E-JETS FAMILY

FIRST & SECOND GENERATION

EMBRAER 170/175/190/195/ 190 FREIGHTER/E190-E2/E195-E2/ LINEAGE 1000

CTA MASTER MINIMUM EQUIPMENT LIST

EMBRAER S.A.

THIS DOCUMENT IS APPLICABLE TO THE FOLLOWING AIRPLANE MODELS: ERJ 170-100 STD/LR/SE/SU, ERJ 170-200 STD/LR/SU, ERJ 190-100 STD/LR/ECJ/IGW/SR/FREIGHTER, ERJ 190-200 STD/LR/IGW, ERJ 190-300 AND ERJ 190-400.

NOTE: THE ERJ 170-100, ERJ 170-200, ERJ 190-100, ERJ 190-200, ERJ 190-300, ERJ 190-400 AND ERJ 190-100 ECJ MODELS HAVE THE COMMERCIAL DESIGNATION OF EMBRAER 170, EMBRAER 175, EMBRAER 190, EMBRAER 190 FREIGHTER, EMBRAER 195, E190-E2, E195-E2 AND LINEAGE 1000, RESPECTIVELY. THE ERJ 190-100 IGW HAS THE COMMERCIAL DESIGNATION OF EMBRAER 190 AR OR EMBRAER 190 PR. THE ERJ 190-200 IGW HAS THE COMMERCIAL DESIGNATION OF EMBRAER 195 AR.

CTA APPROVAL:

CLAUDIO PASSOS SIMÃO - TEN.-CEL.-ENG. CHEFE DA DIVISÃO DE HOMOLOGAÇÃO AERONÁUTICA

DATE: 20 FEBRUARY 2004

MMEL-1506

FEBRUARY 20, 2004 REVISION 18 – JUL 18, 2024



ANAC APPROVED MASTER MINIMUM EQUIPMENT LIST (MMEL-1506)

HIGHLIGHTS OF CHANGE

REVISION 18 – JULY 18, 2024

REVISION 10 -JULY 10, 2024					
Page	Change Description				
	DEFINITIONS				
0-INTR	Included a new definition to clarify MMEL items effectivity.				
	GENERAL				
ALL	Included "EMBRAER 190 FREIGHTER" effectivity in several items also applicable to freighter configuration.				
	Included effectivity in several items to remove the freighter applicability.				
04.4	21-22-04 Main Deck Isolation Valve				
21-1	Included new item for the EMBRAER 190 FREIGHTER.				
21-3	21-25-01 Emergency Ram Air Valve				
to 21-5	Changed E-Jets dispatch condition identification. Included new reliefs for the EMBRAER 190 FREIGHTER.				
	21-26-15 Electronic Bay Shutoff Valve				
21-7	Included new item for the EMBRAER 190 FREIGHTER.				
0.4.0	21-26-16 Electronic Bay Bypass Shutoff Valve				
21-8	Included new item for the EMBRAER 190 FREIGHTER.				
04.40	21-41-00 Heated Floor Panel System				
21-18	Removed item. Included as NEF item.				
04.00	21-51-00 Air Conditioning Packs				
21-20 to 21-23	Changed E-Jets dispatch condition identification. Included new reliefs for the EMBRAER 190 FREIGHTER. Included ER operation restriction for E-Jets E2.				
04.04	21-51-01 Pack Flow Control Valves				
21-24	Included ER operation restriction.				
24.05	21-51-08 Water Spray Nozzles				
21-25	Included ER operation restriction.				



ANAC APPROVED MASTER MINIMUM EQUIPMENT LIST (MMEL-1506)

HIGHLIGHTS OF CHANGE

REVISION 18 – JULY 18, 2024

NEVIOION 10 -30E1 10, 2024				
Page	Change Description			
22-2 to 22-6	22-11-01 Guidance Panels Included new items of the guidance panel for dispatch and updated items numbers.			
22-7	22-11-04 Autopilot Disconnect (AP DISC) Buttons Updated non-flying pilot terminology to pilot monitoring.			
23-6	23-30-10 Cabin Announcement System Included new item for the EMBRAER 190 FREIGHTER.			
23-7 and 23-9	23-51-00 Cockpit/Cabin Interphone System Changed E-Jets dispatch conditions identification. Included new reliefs for the EMBRAER 190 FREIGHTER.			
23-12	23-51-12 Digital Audio Panel (DAP) Included new item.			
24-2 to 24-3	24-21-01 Engine Driven Generator (IDG, GCU, GLC) Updated dispatch condition to split them between aircrafts with and without extended operations, due to FL limitation. Included ER operation restriction for E-Jets E2.			
24-8	24-61-02 Secondary Power Distribution Assembly Included ER operation restriction for E-Jets E2.			
25-5	25-12-15 Sun Visors Removed item.			
25-5	25-12-17 Direct Vision Window Sunshades Removed item.			
25-14 to 25-18	25-21-20 Flight Attendant Seat Assembly (Single or Dual Position) Changed order of the non-passenger-carrying dispatch condition. Included new relief for the EMBRAER 190 FREIGHTER.			



ANAC APPROVED MASTER MINIMUM EQUIPMENT LIST (MMEL-1506)

HIGHLIGHTS OF CHANGE

REVISION 18 – JULY 18, 2024

NEVISION 10 -30E1 10, 2024					
Page	Change Description				
25-19 to 25-20	25-25-00 Flight Attendant Panels (FAP) Changed E-Jets E2 dispatch conditions identification. Included new relief for the EMBRAER 190 FREIGHTER.				
25-29 to 25-30	25-64-00 Autonomous Distress Tracking (ADT) System Included new item.				
26-1	26-00-05 Cargo Compartment Smoke Detection and Fire Protection System Included ER operation restriction in MMEL item -01-A and				
	included another EICAS message as dispatchable in item -01-B.				
26-3 to	26-13-00 Main Deck Cargo Compartment Smoke Detection System				
26-4	Included new item for the EMBRAER 190 FREIGHTER.				
	26-14-00 Lavatory Smoke Detection System				
26-5	Changed E-Jets dispatch condition identification. Included new relief for the EMBRAER 190 FREIGHTER.				
26-6	26-14-01 Lavatory Smoke Test Switches on Flight Attendant Panel				
20-0	Changed E-Jets dispatch condition identification. Included new relief for the EMBRAER 190 FREIGHTER.				
26-11	26-25-00 Lavatory Fire Extinguishing System				
to 26-12	Changed E-Jets dispatch conditions identification. Included new relief for the EMBRAER 190 FREIGHTER.				
27-6 to	27-50-00 Flap System				
27-7	Included ER operation restriction for E-Jets E2.				



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HIGHLIGHTS OF CHANGE

REVISION 18 -JULY 18, 2024

Page	Change Description				
27-10 to 27-11	27-80-00 Slat System Included ER operation restriction for E-Jets E2.				
28-1	28-00-05 Fuel Control System Included ER operation restriction for E-Jets E2.				
28-4	28-22-07 APU Fuel Shutoff Valve Included ER operation restriction.				
28-10	28-25-01 AC Center Fuel Transfer Pump Included ER operation restriction for E-Jets E2.				
28-10	28-25-03 AC Center Fuel Transfer Pump Pressure Switch Included ER operation restriction for E-Jets E2.				
28-11	28-41-00 Fuel Quantity Indicating Updated proviso related to Fuel Low Lever Sensor.				
29-5	29-12-18 System 3 Accumulator Pressure Indicators Editorial correction.				
30-1	30-00-01 Ice Protection Control Panel Included ER operation restriction.				
30-1	30-11-00 Wing Anti-Ice System Included ER operation restriction.				
30-2	30-11-01 Wing Anti-Ice Valves Included ER operation restriction.				
30-6 to 30-8	30-11-09 Wing Anti-Ice Overheat Detection System Included ER operation restriction for E-Jets E2.				
30-10	30-21-01 Engine Anti-Ice Valves Included ER operation restriction for E-Jets E2.				



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HIGHLIGHTS OF CHANGE

REVISION 18 – JULY 18, 2024

Page	Change Description			
-	Change Description			
00.44	30-71-00 Potable Water Heating System			
30-14	Included new item.			
00.40	30-71-50 Freeze Protection Kit (FPK)			
30-18	Removed E190-E2 and E195-E2 from item applicability.			
20.40	30-81-00 Ice Detector System			
30-19	Included ER operation restriction.			
00.4	33-10-10 Main Deck Cargo Door Lights			
33-1	Included new item for the EMBRAER 190 FREIGHTER.			
	33-12-01 Multi Channel Dimmer			
33-2	Updated dispatch conditions for clarification.			
22.4	33-21-00 Cabin Interior Illumination System			
and	Changed E-Jets dispatch conditions identification. Included (O) reference on dispatch condition -01-A. Included new relief for the EMBRAER 190 FREIGHTER.			
00.0	33-23-00 Passenger Signs / Ordinance Sign			
33.0	Changed item title. Changed E-Jets dispatch conditions identification. Included new relief for the EMBRAER 190 FREIGHTER.			
	33-28-00 Lavatory Lights System			
	Changed number installed to better accommodate the EMBRAER 190 FREIGHTER.			
00.40	33-44-00 Wing Inspection Lights			
33-12	Updated dispatch conditions to avoid overlap between them.			
22.42	33-47-00 Strobe Lights			
33-13	Updated subitem title.			
33-13	33-50-01 Emergency Lighting Power Unit (ELPU)			
33-13	Included new item.			

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HIGHLIGHTS OF CHANGE

REVISION 18 – JULY 18, 2024

Page	Change Description			
	33-50-14 Exit Indicator Signs Included new item.			
33-14				
00.44	33-50-15 Exit Identifier Signs			
33-14	Included new item.			
00.44	33-50-17 Exit Marking Signs			
33-14	Included new item.			
22.44	33-50-19 Exit Locator Signs			
33-14	Included new item.			
	33-50-30 Exit Markings			
33-17	Removed item. Included in items 33-50-14, 33-50-15, 33-50-17 and 33-50-19.			
04.0	34-15-03 Total Air Temperature Sensors			
34-2	Included ER operation restriction.			
24.40	34-41-05 Steep Approach Mode			
34-12	Included new subitem.			
0.5.0	35-21-03 "MASKS DEPLOY" Knob on Passenger Oxygen Panel			
35-8	Changed proviso to include the EMBRAER 190 FREIGHTER.			
35-9 to 35-10	35-23-00 Supernumerary Oxygen System Included new item for the EMBRAER 190 FREIGHTER.			
35-10	35-23-02 Supernumerary Oxygen Box Door Electrical Latches			
	Included new item for the EMBRAER 190 FREIGHTER.			
05.44	35-23-03 Supernumerary Oxygen Box Deploy Tool			
35-11	Included new item for the EMBRAER 190 FREIGHTER.			



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HIGHLIGHTS OF CHANGE

REVISION 18 – JULY 18, 2024

Page	Page Change Description					
raye	Change Description					
35-11 to 35-12	35-30-01 Portable Oxygen Cylinder and Masks Changed E-Jets dispatch condition identification. Included new relief for the EMBRAER 190 FREIGHTER.					
36-8 to 36-10	36-00-00 Engine Bleed Systems Included ER operation restriction for E-Jets E2.					
36-13	36-10-01 Cross Bleed Valve Included ER operation restriction for E-Jets E2.					
36-14 to 36-15	36-11-01 High State Bleed Valves Included ER operation restriction for E-Jets E2.					
36-16 to 36-17	36-11-03 Engine Bleed Valves Included ER operation restriction for E-Jets E2.					
36-18	36-11-09 Fan Air Valves Included ER operation restriction for E-Jets E2.					
36-19	36-12-01 APU Bleed Valve Included ER operation restriction.					
36-23 to 36-25	36-21-02 Engine Bleed Overheat Detection System (OSD) Included ER operation restriction.					
36-26 to 36-27	36-21-03 APU Overheat Detection System (ODS) Included ER operation restriction.					
38-2	38-00-06 Water and Waste Status Panel Included new item for the EMBRAER 190 FREIGHTER.					

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ANAC APPROVED MASTER MINIMUM EQUIPMENT LIST (MMEL-1506)

HIGHLIGHTS OF CHANGE

REVISION 18 – JULY 18, 2024

REVISION 16 -JULY 16, 2024					
Page	Change Description				
	44-12-01 Passenger Cabin/Galley Speakers				
44-1	Changed E-Jets dispatch conditions identification. Included new reliefs for the EMBRAER 190 FREIGHTER.				
	44-12-02 Lavatory Speakers				
44-1	Changed E-Jets dispatch conditions identification. Included new reliefs for the EMBRAER 190 FREIGHTER.				
44-5	44-14-09 Main Deck Horn				
44-5	Included new item for the EMBRAER 190 FREIGHTER.				
40.4	49-16-04 APU Air Inlet Door System				
49-1	Included ER operation restriction.				
49-1	49-71-00 APU RPM Indication on EICAS				
49-1	Included ER operation restriction.				
49-1	49-72-00 APU EGT Indication on EICAS				
49-1	Included ER operation restriction.				
50-3	50-33-00 Main Deck Cargo Compartment Linings				
50-3	Included new item for the EMBRAER 190 FREIGHTER.				
50-3	50-33-16 Main Deck Cargo Door Net				
50-3	Included new item for the EMBRAER 190 FREIGHTER.				
52-1	52-00-00 Passenger and Service Doors				
to 52-5	Changed E-Jets dispatch conditions identification. Included new reliefs for the EMBRAER 190 FREIGHTER.				
50.0	52-00-30 Passenger and Service Doors Emergency Opening Assisting System				
52-6	Changed E-Jets dispatch condition identification. Included new reliefs for the EMBRAER 190 FREIGHTER.				
EQ 12	52-34-00 Main Deck Cargo Door				
52-13	Included new item for the EMBRAER 190 FREIGHTER.				

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HIGHLIGHTS OF CHANGE

REVISION 18 – JULY 18, 2024

Page	Change Description			
73-1	73-21-01 Engine Full Authority Digital Electronic Control (FADEC)			
to 73-2	Updated provisos to comply with Embraer philosophy. Included ER operation restriction for E-Jets E2.			
	73-21-17 T2 Sensor Heater			
73-2	Included ER operation restriction for EMBRAER 170/175 models.			
70.0	73-21-21 P2T2 Heater			
73-2	Included ER operation restriction for E-Jets E2.			
75.4	75-26-02 Engine Buffer Air System			
75-1	Included ER operation restriction for E-Jets E2.			
77.4	77-31-00 Engine Vibration Indication on EICAS			
77-1	Included ER operation restriction for E-Jets E2.			
70.4	79-21-00 Oil Supply System			
79-1	Included ER operation restriction for E-Jets E2.			
	80-10-05 Engine Start/Stop Switch Cover			
80-1	Changed repair category and updated item to include the optional marks.			



CTA APPROVED MASTER MINIMUM EQUIPMENT LIST (MMEL-1506)

LOG OF REVISIONS

REVISION NUMBER AND DATE	REVISED PAGES	DESCRIPTION OF REVISION	CTA APPROVAL
1 NOV 25, 04	21-1, 24-1, 27-2, 29-1, 29-3, 31-4, 32-1 to 32-3, 34-3 to 34-10, 44-2 to 44-4 and 45-1	Items included and general updating.	MMEL-1506 Revision 1 approved by CTA on November 25, 2004.
	Cover page	Includes EMBRAER 175 model.	
2 JAN 03, 05	0-INTR page 5	Deletes reference to EMB-135/145 airplanes.	MMEL-1506 Revision 2 approved by CTA on Jan/Gary 03, 2005.
	32-1	Deletes item 32-33-01.	Parol.
	44-4	Editorial correction.	
3 AUG 26, 05	Cover page	Includes EMBRAER 190 model.	MMEL-1506 Revision 3
	21-1 to 80-1	Items included and general updating. Revised header to include ERJ 190 model applicability.	approved by CTA on August 26, 2005.

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LOG OF REVISIONS

REVISION NUMBER AND DATE	REVISED PAGES	DESCRIPTION OF REVISION	ANAC APPROVAL
4 JUL 10, 06	Cover page, 21-1 to 21-16, 22-1, 22-3, 22-4, 23-1 to 23-5, 24-1, 25-5 to 25-14, 26-2, 26-3, 27-2, 28-1, 29-1 to 29-3, 29-5, 30-1 to 30-5, 31-1 to 31-9, 32-1 to 32-3, 33-1 to 33-5, 34-1 to 34-12, 35-3, 36-2, 36-6, 36-7, 38-4, 44-5, 50-1, 52-2, 52-3, 52-8, 52-9, 74-1 and 79-1	Include EMBRAER 195 model. Items included and general updating.	MMEL-1506 Revision 4 approved by ANAC on July 10, 2006.
5 OCT 31, 07	0-INTR pages 1 to 9, 21-1 to 21-3, 21-7 to 21-17, 22-1 to 22-5, 23-1 to 23-6, 24-1, 25-12 to 25-16, 26-1 to 26-4, 27-1, 27-2	General improvements. General items updated due to the Primus EPIC LOAD 19.3. Added "except for ER operations" to items restricted for ETOPS.	MMEL-1506 Revision 5 approved by ANAC on October 31, 2007.

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LOG OF REVISIONS

REVISION NUMBER AND DATE	REVISED PAGES	DESCRIPTION OF REVISION	ANAC APPROVAL
5 OCT 31, 07	28-1, 28-2, 28-4, 29-5, 30-2 to 30-6, 31-6 to 31-8, 32-3, 34-2, 34-7, 34-8, 35-2, 35-3, 36-1 to 36-8, 45-1, 49-1, 74-1 and 79-1	General improvements. General items updated due to the Primus EPIC LOAD 19.3. Added "except for ER operations" to items restricted for ETOPS.	MMEL-1506 Revision 5 approved by ANAC on October 31, 2007.
6 APR 29, 09	Cover page; 0-INTR, pages 1, 2, 5 to 10; 21-1 to 21-3, 21-7 to 21-21, 22-1, 23-4, 23-6; 24-2, 24-3, 25-1 to 25-21, 26-1 to 26-11, 27-1 to 27-3, 28-1 to 28-5, 29-5, 33-1 to 33-5; 34-1, 34-4, 35-3, 35-4, 36-2, 36-4, 36-6, 38-1, 38-2, 44-1 to 44-5, 46-1, 50-1, 52-2 to 52-9.	Include the EMBRAER 190 ECJ (LINEAGE 1000) model. General improvements.	MMEL-1506 Revision 6 approved by ANAC on April 29, 2005

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MASTER MINIMUM EQUIPMENT LIST

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7 JUL 26, 11	Cover page; 0-INTR pages 1, 2, 5, 7 to 10; 21-5 to 21-16, 21-18, 21-19; 23-2, 23-4 to 23-6; 24-1 to 24-3; 25-5, 25-12 to 25-15, 25-17; 26-1 to 26-4, 26-11; 27-1 to 27-3; 28-1, 28-2, 28-5; 29-1, 29-5; 30-5, 30-6; 31-7; 33-1, 33-4; 34-3 to 34-8, 34-11 to 34-13; 35-2; 36-1 to 36-8; 38-1; 44-1, 44-4 to 44-6; 46-1; 49-1; 50-1, 50-2; 52-5 to 52-10; 73-1; 79-1; 80-1.	Included Items and general updating. Included EMBRAER 190 PR model.	MMEL-1506 Revision 7 approved by ANAC on July 26, 2011. Nelson Eisaku Nagamine General Manager - Acting Aeronautical Product Certification Branch

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REVISION NUMBER AND DATE	REVISED PAGES	DESCRIPTION OF REVISION	ANAC APPROVAL
8 AUG 17, 11	Cover page.	Included EMBRAER 190 SR model.	MMEL-1506 Revision 8 approved by ANAC on August 17, 2011.
9 JUN 13, 14	Cover page; 0-TOC page 1 0-INTR pages 1 to 8; 21-3, 21-4, 21-7 to 21-22; 23-1, 23-3, 23-5, 23-6; 24-2, 24-3; 25-1, 25-10, 25-14, 25-17, 25-18, 25-22; 27-1 to 27-3; 28-2 to 28-4; 29-5; 30-1 to 30-3, 30-5; 31-5 to 31-8 32-2, 32-3; 33-4, 33-5;	Update of MMEL definitions. Included Items and general updating. Editorial corrections.	MMEL-1506 Revision 9 approved by ANAC on June 13 rd , 2014. Allie Targue



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REVISION NUMBER AND DATE	REVISED PAGES	DESCRIPTION OF REVISION	ANAC APPROVAL
9 JUN 13, 14	34-3 to 34-14; 35-1; 36-1 to 36-10; 38-1; 44-3, 44-6, 44-7; 52-4, 52-8; 78-1, 78-2.	Update of MMEL definitions. Included Items and general updating. Editorial corrections.	MMEL-1506 Revision 9 approved by ANAC on June 13 rd , 2014. Millio Targus
10 SEP 30, 14	79-1, 79-2	Added new dispatch condition to item 79-33-01 (Low Oil Pressure Switch).	MMEL-1506 Revision 10 approved by ANAC on September 30th, 2014. Abilio Tongunw



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REVISION NUMBER AND DATE	REVISED PAGES	ΔΝΔ			
11 SEP 04, 15	4; 21-21; 25-7 to 25-9, 25- 12 to 25-25; 26-2; 27-1; 28-1; 29-5; 30-3; 31-5; 32-1 to 32-3; 33-1 to 33-8; 34-4, 34-5; 35-1; 36-3; 46-1, 46-2; 50-1, 50-2; 52-4 to 52- 11; 79-1, 79-2	Update of MMEL definitions. Added items and general updating. Editorial corrections.	MMEL-1506 Revision 11 approved by ANAC on September 4th, 2015.		
12 OCT 28, 16	25-15; 26-2	Remark was updated.	MMEL-1506 Revision 12 approved by ANAC on October 28, 2016. Mario Igawa General Manager Aeronautical Product Certification		



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REVISION NUMBER AND DATE	REVISED PAGES	DESCRIPTION OF REVISION	ANAC APPROVAL
13 AUG 30, 18	ALL	Updated the MMEL layout, header and dispatch conditions identifications. Added MMEL items and general updates. Included items for EMBRAER 190-E2.	883/2018/GCPR/GGCP/ SAR-ANAC
14 SEP 09, 19	ALL	Included items for EMBRAER 195-E2 and general updates.	981/2019/GCPR/GGCP/ SAR-ANAC
15 APR 28, 20	27- 5	Updated item 27-43-02 (Pitch Trim Switches)	315/2020/GCPR/GGCP/ SAR-ANAC



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REVISION NUMBER AND DATE	REVISED PAGES	DESCRIPTION OF REVISION	ANAC APPROVAL
16 NOV 19, 21	21-3; 21-17 to 21-18; 21-24; 22-1; 23-4; 24-2; 25-13 to 25-17; 25-21; 25-30; 27-6 to 27-7; 27-10 to 27-11; 28-9; 29-2; 30-6 to 30-8; 30-10; 30-14 to; 30-15; 30-17; 31-5; 31-7 to 31-9; 34-5; 34-8; 34-11; 34-13; 34-15 to 34-20; 36-8 to 36-10; 36-13; 36-15; 36-17 to 36-19; 36-23 to 36-25; 36-27; 38-3 to 38-10; 44-2; 45-1; 45-3; 52-7 to 52-8; 52-11 to 52-14; 73-3; 79-3 to 79-5	Added MMEL items and general updates.	1137/2021/GTPR/GCPP/ SAR-ANAC



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REVISION NUMBER AND DATE	REVISED PAGES	DESCRIPTION OF REVISION	ANAC APPROVAL
17 FEB 17, 23	21-3 to 21-6; 23-3; 23-5 to 23-8; 23-11; 26-3; 29-4; 30-2; 30-13; 31-5; 31-9; 33-9; 33-12 to 33 13; 34-7 to 34-8; 34-15 to 34-21; 35-4 to 35-7; 36-20 to 36-21; 38-5 to 38-6; 44-1 to 44-5; 44-7; 45-1; 50-1 to 50-3; 52-10 to 52-11	Added MMEL items and general updates.	160/2023/GTPR/GCPP/ SAR-ANAC
18 JUL 18, 24	ALL	Included items for EMBRAER 190 FREIGHTER, included "except for ER operations" to items restricted for ETOPS, and general updates.	826/2024/GTPR/GCPP/ SAR-ANAC



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		APR 29, 2009
REVISION	7	JUL 26, 2011
		AUG 17, 2011
REVISION	9	JUN 13, 2014
REVISION	10	SEP 30, 2014
		SEP 04, 2015
REVISION	12	OCT 28, 2016
		AUG 30, 2018
		SEP 09, 2019
REVISION	15	APR 28, 2020
REVISION	16	NOV 19, 2021
		FEB 17, 2023
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^{*} Asterisk indicates pages revised, added or deleted by the current revision.

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MASTER MINIMUM EQUIPMENT LIST

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DEFINITIONS

- Administrative Control Item (ACI). An ACI is listed by the aircraft operator in the MEL for tracking and informational purposes. As an example, ACI may be used to track ETOPS accomplishment of required APU cold-soak, or in-flight verification starts. An ACI may be added to an aircraft operator's MEL by approval of the POI provided no relief is granted, or provided conditions and limitations are contained in an approved document (e.g., Structural Repair Manual (SRM) or Airworthiness Directive (AD)). If relief other than that granted by an approved document is sought for an ACI, a request must be submitted to the Administrator. If the request results in review and approval by the FOEB, the item becomes an MMEL item rather than an ACI.
- 2) ATA System Page. The ATA system page is divided into four (4) columns and contains: item and repair category; number installed; number required for dispatch; and remarks or exceptions. Standard ATA categories are used. Items are numbered sequentially.
 - a) Item. This column depicts the equipment, system, component, or function listed in the "Item" column.
 - b) Repair Category. See definition #23.
 - c) Number Installed. This column depicts the number (quantity) of instrument and equipment items normally installed in the aircraft. This number represents the aircraft configuration considered in developing this MMEL. Should the number be a variable (e.g., fleet configuration differences, cockpit lighting items, cabin lighting items, cargo restraint components) a number is not required and the "-" symbol is used.
 - d) Number Required for Dispatch. This column depicts the minimum number (quantity) of instrument and equipment items required for operation provided the conditions specified in the "Remarks or Exceptions" column are met. Where the MMEL shows a variable number required for dispatch, the MEL must reflect the actual number required for dispatch or an alternate means of configuration control approved by the Administrator.



- e) Remarks or Exceptions. This column may include a statement(s) either prohibiting or permitting operation with a specific number of instrument and equipment items inoperative, provisos (conditions and limitations) for such operation, and appropriate notes.
- f) Provisos. Provisos are indicated by a number or a lower case letter in "Remarks or Exceptions". Provisos are conditions or limitations that must be complied with for operation with the listed instrument or equipment item inoperative.
- g) Notes. Notes provide additional information for crewmember or maintenance consideration. Notes are used to identify applicable material, which is intended to assist with compliance, but do not relieve the aircraft operator of the responsibility for compliance with all applicable requirements. Additional notes may be amended, deleted, or added to the MEL by the aircraft operator, as appropriate. Notes are not a part of the provisos.
- h) Vertical Bar (change bar). A vertical bar indicates a change, addition, or deletion in the adjacent text for the current revision of that page only. All change bars applicable to the previous revision of the MMEL are removed prior to the release of the next revision.
- 3) Airplane Flight Manual (AFM), Rotorcraft Flight Manual (RFM). The CTA/ANAC approved AFM/RFM is the document approved by the responsible ANAC Aircraft Certification Office (ACO) during type certification. The approved flight manual for the specific aircraft is listed on the applicable Type Certificate Data Sheet (TCDS). The approved flight manual is the source document for operational limitations and performance parameters for an aircraft. The term "approved flight manual" can apply to either an AFM or an RFM. ANAC requires an approved flight manual for aircraft type certification.
- 4) As Required by local regulations. When the MMEL states, "As Required by Local Regulations" the listed instrument or equipment item is subject to certain provisions (restrictive or permissive) expressed in RBHA/RBAC operating rules. The number of items required by RBHA/RBAC must be operative. When the listed item is not required by RBHA/RBAC, it may be inoperative for the time specified by repair category.



- 5) "Regulamentos Brasileiros de Homologação Aeronáutica" (RBHA)/ "Regulamento Brasileiro de Aviação Civil" (RBAC) means the applicable requirement for the certified airplane.
- 6) Considered Inoperative. The phrase, "Considered Inoperative", as used in the provisos, means that an instrument and equipment item must be treated for dispatch, taxi and flight purposes as though it were inoperative. The item will not be used or operated until the original deferred item is repaired. Additional actions include: documenting the item on the dispatch release (if applicable), placarding, and complying with all remarks, exceptions, and related MMEL provisions, including any (M) and (O) procedures and observing the repair category.
- 7) Dash (-). Indicates a variable number (quantity) of the instrument and equipment items may be installed or required for dispatch. This is common when a fleet MEL is used since aircraft of the same make and model may have differing numbers of specific instrument and/or equipment items installed.
- 8) Day of Discovery. This is the calendar day an equipment/instrument malfunction was recorded in the aircraft maintenance record/logbook. This day is excluded from the calendar days or flight days specified in the MMEL for the repair interval of an inoperative instrument and/or equipment item. This provision is applicable to all MMEL items; i.e., categories A, B, C, and D.
- 9) Deactivated and/or Secured. When the MMEL refers to an instrument and/or equipment item as deactivated and/or secured, the specified component must be put into an acceptable condition for safe flight. An acceptable method of deactivating and/or securing will be established by the aircraft operator.
- **10) Deleted.** "Deleted" in the remarks column after a sequence item indicates that the item was previously listed but is now required to be operative if installed in the aircraft.



- 11) Effectivity. Some MMEL items apply only to some models of the E-Jets and/or E-Jets E2. These items are identified by the respective airplane model. For instance, EMBRAER 190/195 means that all 190 models except LINEAGE 1000 and 190 FREIGHTER and all EMBRAER 195 models are included in the applicability. Similarly, EMBRAER 190 FREIGHTER applies only to EMBRAER 190 Post-Mod. SB 190-25-0270. If no applicability identifies an item, it means that the item applies to all E-Jets models and all E-Jets E2 models.
- 12) Extended Range Operations (ER). ER refers to extended range operations (ETOPS) of an airplane with operational approval to conduct ETOPS in accordance with the applicable regulations.
- **13) Excess Items.** Excess items are those instrument and equipment items that have been installed that are redundant to the requirements of the RBHA/RBAC.
- **14) Flight Day.** A flight day is a 24 hour period (from midnight to midnight) either universal coordinated time (UTC) or local time, as established by the aircraft operator, during which at least one flight is initiated for the affected aircraft.
- **15) Heavy Maintenance Visit (HMV).** HMV is a maintenance check or airworthiness maintenance program inspection where the aircraft is scheduled to be out of service for 4 or more days.
- **16) Icing Conditions.** An atmospheric environment that may cause ice to form on the aircraft (structural) or in the engine(s) (induction).
- **17) Inoperative.** A system and/or component malfunction to the extent that it does not accomplish its intended purpose and/or is not consistently functioning normally within its approved operating limit(s) and/or tolerance(s).
- 18) Inoperative Components of an Inoperative System. equipment Inoperative instrument and items. components of a system that is inoperative, are usually considered components directly associated with and having no other function than to support that system (warning/caution systems associated with the inoperative system must be operative unless relief is specifically authorized per the MMEL).



- 19) Is Not Used. The phrase "Is Not Used" in the provisos, remarks or exceptions for an MMEL instrument or equipment item may specify that another item in the MMEL "is not used". In such cases, crewmembers must not activate, actuate, or otherwise utilize that item under normal operations. It is not necessary for aircraft operators to accomplish the (M) procedure(s) associated with the item. However, operational requirements must be complied with, and an additional placard must be affixed, to the extent practical, adjacent to the control or indicator for the item that is not used. This informs crewmembers that an instrument or equipment item is not to be used under normal operations.
- 20) Nonessential Equipment and Furnishings (NEF). NEFs are those items installed on the aircraft as part of the original type certification (TC), STC, engineering order, or other form of alteration that have no effect on the safe operation of flight and would not be required by the applicable certification rules or operational rules. They are those items that, if inoperative, damaged, or missing, have no effect on the aircraft's ability to be operated safely under all operational conditions. NEF items are not instrument and equipment items already identified in the MEL or CDL of the applicable aircraft. They do not include instrument and equipment items that are functionally required to meet the certification rule or for compliance with any operational rule.

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21) Operative. An operative system and/or component will accomplish its intended purpose and is consistently functioning normally within its design operating limit(s) and tolerance(s). When an MMEL item specifies that an item of equipment must be operative, it does not mean that its operational status must be verified; it's to be considered operative unless reported or known to be malfunctioning. When an MMEL item specifies that an item of equipment must be verified operative, it means that it must be checked and confirmed operative at the interval(s) specified for that MMEL item. When an MMEL item specifies that an item of equipment must be verified but no interval is specified, verification is required only at the time of deferral.

Other terminology sometimes used interchangeably with "operative" within the MMEL is "operates normally", "fully operative", and "considered operative". The aircraft operator's MEL may incorporate standardized terminology of the aircraft operator's choice to specify that an item of equipment must be operative, provided the aircraft operator's MEL definitions indicate that the selected "operative" terminology means that the required item of equipment will accomplish its intended purpose and is consistently functioning normally within its design operating limit(s) and tolerance(s).

- **22) "Passenger Convenience Items"** means those items related to passenger convenience, comfort or entertainment such as, but not limited to, galley equipment, movie equipment, ash trays, stereo equipment, overhead reading lamps, etc.
- 23) Placarding. Each inoperative instrument or equipment item must be placarded to inform and remind the crewmembers and maintenance personnel of the item condition. To the extent practical, placards should be located adjacent to the control or indicator for the item affected; however, unless otherwise specified (i.e. AFM), placard wording and location will be determined by the aircraft operator.



- **24)** Repair Category. All users of an MEL approved under RBHA/RBAC 91, 121, 129 and 135 must effect repairs of inoperative instrument and equipment items, deferred in accordance with the MEL, at or prior to the repair times established by the following letter designators.
 - a) Repair Category A. This category item must be repaired within the time interval specified in the "Remarks or Exceptions" column of the aircraft operator's approved MEL. For time intervals specified in "calendar days" or "flight days", the day the malfunction was recorded in the aircraft maintenance record/logbook is excluded. For all other time intervals (i.e., flights, flight legs, cycles, hors, etc.), repair tracking begins at the point when the malfunction is deferred in accordance with the operator's approved MEL.
 - b) Repair Category B. This category item must be repaired within 3 consecutive calendar days (72 hours) excluding the day the malfunction was recorded in the aircraft maintenance record/logbook. For example, if it were recorded at 10 a.m. on January 26th, the 3 day interval would begin at midnight the 26th and end at midnight the 29th.
 - c) Repair Category C. This category item must be repaired within 10 consecutive calendar days (240 hours) excluding the day the malfunction was recorded in the aircraft maintenance record/logbook. For example, if it were recorded at 10 a.m. on January 26th, the 10 day interval would begin at midnight the 26th and end at midnight February 5th.
 - d) Repair Category D. This category item must be repaired within 120 consecutive calendar days (2880 hours) excluding the day the malfunction was recorded in the aircraft maintenance record/logbook.

- 25) Takeoff. Takeoff is the act of beginning a flight in which an aircraft is accelerated from a state of rest to that of flight. For the purposes of MEL relief, this translates to the point at which the pilot physically begins to apply power to initiate the takeoff from the runway or takeoff surface.
- 26) Triple Asterisk (***). Indicates an item which is not required by regulation but which may have been installed on some models of aircraft covered by this MMEL. This item may be included on the aircraft operator's MEL after the approving office has determined that the item has been installed on one or more of the aircraft operator's aircraft. The symbol, however, must not be carried forward into the aircraft operator's MEL. It should be noted that neither this policy nor the use of this symbol provides authority to install or remove an item from an aircraft.
- **27) Visible Moisture.** An atmospheric environment containing water, in any form, that can be seen in natural or artificial light; for example, clouds, fog, rain, sleet, hail, or snow.
- **28)** Visual Flight Rules (VFR). VFR is as defined in 14 CFR Part 91. This precludes a pilot from filing an Instrument Flight Rules (IFR) flight plan.
- **29) Visual Meteorological Conditions (VMC).** VMC means the atmospheric environment is such that would allow a flight to proceed under the visual flight rules applicable to the flight. This does not preclude operating under Instrument Flight Rules.
- 30) (M). This symbol indicates a requirement for a specific maintenance procedure which must be accomplished prior to operation with the listed item inoperative. Normally, these procedures are accomplished by maintenance personnel; however, other personnel may be qualified and authorized to perform certain functions. Procedures requiring specialized knowledge or skill, or requiring the use of tools or test equipment, should be accomplished by maintenance personnel. The satisfactory accomplishment of all maintenance procedures, regardless of who performs them, is the responsibility of the aircraft operator. Appropriate procedures are required to be produced as part of the aircraft operator's manual or MEL.

- 31) (O). This symbol indicates a requirement for a specific operations procedure which must be accomplished in planning for and/or operating with the listed item inoperative. Normally, these procedures are accomplished by the flightcrew; however, other personnel may be qualified and authorized to perform certain functions. The satisfactory accomplishment of all procedures, regardless of who performs them, is the responsibility of the aircraft operator. Appropriate procedures are required to be produced as a part of the aircraft operator's manual or MEL.
- **32) Electronic Fault Alerting System.** New generation aircraft display system fault indications to the flight crew by use of computerized display systems. Aircraft manufacturers incorporate individual design philosophies when determining the data that is represented. The following are customized definitions (specific to each manufacturer) to help determine the level of messages affecting the aircraft's dispatch status.

The E-Jets family is equipped with an Engine Indicating and Crew Alerting System (EICAS) that provides four different levels: WARNING. CAUTION. **ADVISORY** message STATUS messages. Failures that effect dispatchability are presented to the flight crew at one of these levels. Other failures may be presented only to the maintenance personnel on the Multi Function Display (MFD) maintenance pages or through the download of the Central Maintenance Computer (CMC). System conditions that result only in a maintenance level message, i.e. no correlation with a higher level EICAS message, do not affect dispatch and do not require action other than as addressed within an aircraft operator's standard maintenance program.



PREAMBLE

The Airworthiness Regulations require that all equipment installed on an airplane in compliance with the Airworthiness Standards and the Operating Rules must be operative. However, the Rules also permit the publication of a Minimum Equipment List (MEL) where compliance with certain equipment requirements is not necessary in the interests of safety under all operating conditions. Experience has shown that with the various levels of redundancy designed into aircraft, operation of every system or installed component may not be necessary when the remaining operative equipment can provide an acceptable level of safety. A Master Minimum Equipment List (MMEL) is developed by the manufacturer and approved by the CTA/ANAC to improve aircraft utilization and thereby provide more convenient and economic air transportation for the public. The CTA/ANAC approved MMEL includes those items of equipment related to airworthiness and operating regulations and other items of equipment which the Administrator finds may be inoperative and yet maintain an acceptable level of safety by appropriate conditions and limitations; it does not contain obviously required items such as wings, flaps, and rudders. The MMEL is the basis for development of individual operator MELs which take into consideration the operator's particular aircraft equipment configuration and operational conditions. Operator MELs, for administrative control, may include items not contained in the MMEL; however, relief for administrative control items must be approved by the Administrator. An operator's MEL may differ in format from the MMEL, but cannot be less restrictive than the MMEL. The individual operator's MEL, when approved and authorized, permits operation of the aircraft with inoperative equipment.

Equipment not required by the operation being conducted and equipment in excess of RBHA/RBAC requirements are included in the MEL with appropriate conditions and limitations. The MEL must not deviate from the Aircraft Flight Manual Limitations, Emergency Procedures or with Airworthiness Directives. It is important to remember that all equipment related to the airworthiness and the operating regulations of the aircraft not listed on the MMEL must be operative.



Suitable conditions and limitations in the form of placards, maintenance procedures, crew operating procedures and other restrictions as necessary are specified in the MEL to ensure that an acceptable level of safety is maintained.

The MEL is intended to permit operation with inoperative items of equipment for a period of time until repairs can be accomplished. It is important that repairs be accomplished at the earliest opportunity. In order to maintain an acceptable level of safety and reliability the MMEL establishes limitations on the duration of and conditions for operation with inoperative equipment. The MEL provides for release of the aircraft for flight with inoperative equipment. When an item of equipment is discovered to be inoperative, it is reported by making an entry in the Aircraft Maintenance Record/Logbook as prescribed by RBHA/RBAC. The item is then either repaired or may be deferred per the MEL or other approved means acceptable to the Administrator prior to further operation. MEL conditions and limitations, do not relieve the operator from determining that the aircraft is in condition for safe operation with items of equipment inoperative. When these requirements are met, an Airworthiness Release, Aircraft Maintenance Record/Logbook entry, or other approved documentation is issued as prescribed by RBHA/RBAC. Such documentation is required prior to operation with any item of equipment inoperative.

Operators are responsible for exercising the necessary operational control to ensure that an acceptable level of safety is maintained. When operating with multiple inoperative items, the interrelationships between those items and the effect on aircraft operation and crew workload will be considered. Operators are to establish a controlled and sound repair program including the parts, personnel, facilities, procedures, and schedules to ensure timely repair.

WHEN USING THE MEL, COMPLIANCE WITH THE STATED INTENT OF THE PREAMBLE, DEFINITIONS, AND THE CONDITIONS AND LIMITATIONS SPECIFIED IN THE MEL IS REQUIRED.

MASTER MINIMUM EQUIPMENT LIST						
				Page 21-1		
			Repa	air c	ategory	
Syster					ber installed	
Seque No.				3. 1	Number required for dispatch	
					4. Remarks and/or exceptions	s
21 AIF	CONDITIONING	1	1	ı	1	
00-00	Environment Control System Synoptic Displays (MFD ECS Page)	С	2	0	(O) MFD Indications not addressed elsewhere in MMEL may be inoperativ	
)0-01	Air Management System (AMS) Channels					
-01	AMSC Channels (EMBRAER 170/175/190/195/ 190 FREIGHTER)	С	2	1	 (M) Except for ER operatione may be inoperative provided: a) AMS control channel reverted to the operatione, and b) Flight is conducted at below FL 310. 	is ive
21-04	Foot Warmer Shutoff Valves	С	2	0		
22-04	Main Deck Isolation Valve (EMBRAER 190 FREIGHTER)	С	3	2	 (M)(O) May be inoperative provided: a) Affected valve is secur closed, b) Electronic Bay Shutof Valve is operative, c) Remaining Main Deck Isolation Valves are verified operative beforeach flight, and d) Air Conditioning Pack considered inoperative 	ired
23-00	Gasper System	D	1	0	NOTE: Any portion of the system that opera normally may be	e ates

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	ERJ 170/ERJ 190)			Revision 18	Page 21-2					
			Rep	air c	ategory						
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No.				3. I	Number required for dispatch						
					4. Remarks and/or exception	<u>.S</u>					
21 AIF	CONDITIONING	1	1	1							
24-01	Recirculation Fans (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)	С	2	0	(M) May be inoperative provided affected fan is deactivated.						
-01	Recirculation Fan Check Valves	С	2	0	(M) May be inoperative or provided associated fan deactivated.						
24-02	Recirculation Air Filters (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)										
-A		С	2	0	May be inoperative or m provided Recirculation F (RECIRC) remain select	ans					
-B		С	2	0	(M) May be inoperative of missing provided associal Recirculation Fan is deactivated.						

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	ERJ 170/ERJ 190)			Revision 18	Page 21-3					
			Rena	air c	ategory	21-0					
System					ber installed						
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110.					4. Remarks and/or exception	s					
21 AIR	CONDITIONING	1	1		1						
24-06	Recirculation Fans Pushbutton (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)	С	1	0	May be inoperative provi both Recirculation Fans considered inoperative.						
-01	Recirculation Fan Pushbutton Illumination	С	1	0	(O) May be inoperative provided associated pushbutton is verified operative.						
25-01	Emergency Ram Air Valve										
-01	EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000	С	1	0	(M) Except for ER opera may be inoperative provi a) Valve is secured operative b) Air Conditioning Pack considered inoperative (Continued)	ded: n, and : 01 is					

System & Sequence No. ITEM 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 21 AIR CONDITIONING 25-01 Emergency Ram Air Valve (Continued) -02 EMBRAER 190 FREIGHTER -A C 2 1 (M) Except for ER operations RH valve may be inoperative provided: a) Valve is secured closed, b) LH Emergency Ram Air Valve is verified operative before each flight, and c) Both Air Conditioning Packs are operative. -B C 2 0 (M) Except for ER operations both valves may be inoperative provided: a) RH Emergency Ram Air Valve is secured closed, b) LH Emergency Ram Air Valve is secured closed, b) LH Emergency Ram Air Valve is secured closed, b) LH Emergency Ram Air Valve is secured closed, b) LH Emergency Ram Air Valve is secured open, c) Air Conditioning Pack 01 considered inoperative, and d) Procedures are established and used to ensure the Main Deck Cargo compartment remains empty or is verified to contain only empty cargo handling equipment, ballast (ballas may be loaded in ULDs), and/or Fly Away Kits.		MASTER MINIMUM EQUIPMENT LIST										
System & Sequence No. ITEM 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 21 AIR CONDITIONING 25-01 Emergency Ram Air Valve (Continued) -02 EMBRAER 190 FREIGHTER -A C Z 1 (M) Except for ER operations RH valve may be inoperative provided: a) Valve is secured closed, b) LH Emergency Ram Air Valve is verified operative before each flight, and c) Both Air Conditioning Packs are operative. -B C Z 0 (M) Except for ER operations both valves may be inoperative provided: a) RH Emergency Ram Air Valve is secured closed, b) LH Emergency Ram Air Valve is secured closed, b) LH Emergency Ram Air Valve is secured closed, b) LH Emergency Ram Air Valve is secured closed, b) LH Conditioning Pack 01 considered inoperative, and d) Procedures are established and used to ensure the Main Deck Cargo compartment remains empty or is verified to contain only empty cargo handling equipment, ballast (ballas may be loaded in ULDs), and/or Fly Away Kits.	Airplane		0			Revision 18	Page 21-4					
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Syster Seque				Num	ber installed						
No.				3. 1	Number required for dispatch						
24 AID	CONDITIONING				4. Remarks and/or exceptions	5					
Z1 AIR	CONDITIONING	1									
25-01	Emergency Ram Air Valve (Continued)					 					
-02	EMBRAER 190 FREIGHTER (Continued)										
-B	(Continued)				NOTE: Operator MELs n define which item approved for inclu in the Fly Away K and which materi can be used as ballast.	is are usion (its,					
25-03	Emergency Ram Air Check Valve (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)	С	1	0	Except for ER operations may be inoperative open provided Air Conditioning Pack 02 is considered inoperative.						
25-06	Ram Air Inlet Door System (EMBRAER 170/175 Post-Mod. SB 170-53-0107 and EMBRAER 190/195 Post-Mod. SB 190-53-0070)	С	1	0	(M) May be inoperative provided:a) Both doors are secure open, anda) Both actuators are deactivated.	ed					
26-01	Forward Electronic Bay Compartment Fan (EMBRAER 190-E2/ 195-E2)	С	2	1	(M) May be inoperative provided operative Fan is verified powered by ESS BUS.						
26-02	Forward Electronic Bay Temperature Sensor (EMBRAER 190-E2/ 195-E2)	С	1	0	May be inoperative proving FWD EBAY SMK DET For not displayed on EICAS.	ded AIL is					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 21-6					
0			Rep	air c	category	21-0					
Syster Seque				Num	nber installed						
No.				3. I	Number required for dispatch 4. Remarks and/or exception	•					
21 AIF	RCONDITIONING	I		<u> </u>	14. Remarks and/or exception						
	Middle Electronic Bay Compartment Fan (EMBRAER 190-E2/ 195-E2)	С	2	1	(M) May be inoperative provided operative Fan is verified powered by ESS BUS.						
26-06	Middle Electronic Bay Temperature Sensor (EMBRAER 190-E2/ 195-E2)	С	1	0	May be inoperative provi CTR EBAY SMK DET For not displayed on EICAS.	AIL is					
26-08	Aft Electronic Bay Ventilation System (LINEAGE 1000)										
-01	Ventilation Fan 1	Fan 1 D 1 0 May be inoperative provid IFE is used in-flight only.									
-02	Ventilation Fan 2	С	1	0	May be inoperative provi	ided					
-03	Airflow Switch	С	1	0	May be inoperative provi	ided					
26-11	Aft Electronic Bay Temperature Sensor (EMBRAER 190-E2/ 195-E2)	С	1	0	May be inoperative provi AFT EBAY SMK DET FA not displayed on EICAS.	AIL is					

MASTER MINIMUM EQUIPMENT LIST									
Airplane ERJ 170/ERJ 1	90			Revision 18	Page 21-7				
System & Sequence ITEM No.			Num	ategory ber installed lumber required for dispatch 4. Remarks and/or exception					
21 AIR CONDITIONING				4. Remarks and/or exception	is				
26-15 Electronic Bay Shutoff Valve (EMBRAER 190 FREIGHTER)	С	1	0	(M) May be inoperative provided: a) Valve is secured clos and b) Procedures are established and used ensure the Main Dec Cargo compartment remains empty or is verified to contain on empty cargo handling equipment, ballast (b may be loaded in UL and/or Fly Away Kits NOTE: Operator MELs is define which iter approved for inc in the Fly Away I and which mater can be used as ballast.	I to				

	MASTER MINIMUM EQUIPMENT LIST									
Airplane	e ERJ 170/ERJ	100				Revision 18	Page 21-8			
			Re	pai	ir c	ategory	21-0			
Syster Seque No.	nce ITEM		Number installed Number required for dispatch Remarks and/or exceptions							
21 AIR	CONDITIONING									
26-16	Electronic Bay Bypass Shutoff Valve (EMBRAER 190 FREIGHTER	(3)	1		0	(M) May be inoperative provided: a) Valve is secured clos and b) Procedures are established and used ensure the Main Deck Cargo compartment remains empty or is verified to contain onl empty cargo handling equipment, ballast (bamay be loaded in ULI and/or Fly Away Kits.	to ((y allast			
						NOTE: Operator MELs in define which item approved for incl in the Fly Away k and which materi can be used as ballast.	ns are usion (its,			
27-01 ***	Forward Cargo Compartment Fa (EMBRAER 170/175/190/195, 190-E2/195-E2/ LINEAGE 1000)				0	(M) May be inoperative provided:a) Fan is deactivated, areb) Live animals are not carried in the cargo compartment.	nd 			

	MASTER MINIMUM EQUIPMENT LIST										
Airplane					Revision 18	Page					
	ERJ 170/ERJ 190		2an	air c	ategory	21-9					
Syster		ļ ··· ·		ber installed							
Seque No.					lumber required for dispatch						
					4. Remarks and/or exceptions	S					
21 AIR	CONDITIONING			1							
27-03 ***	Forward Cargo Compartment Check Valve (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)										
-A		С	1	0	(M) May be inoperative of provided:a) Fan is deactivated, areb) Live animals are not carried in the forward cargo compartment.						
-B		С	1	0	(O) May be inoperative of provided procedures are established and used to ensure the associated compartment remains enfor is verified to contain of empty cargo handling equipment, ballast (ballating be loaded in ULDs), or Fly Away Kits.	npty, nly st					
					NOTE: Operator MELs n define which item approved for inclu in the Fly Away K and which materi can be used as ballast.	is are usion (its,					

	MASTER MINIMUM EQUIPMENT LIST										
Airplane		70/ED I 400				Revision 18	Page				
	ERJI	70/ERJ 190	1 F	Rena	air c	ategory	21-10				
System			• •			ber installed					
Sequei No.		ITEM				Number required for dispatch					
140.						4. Remarks and/or exception	S				
21 AIR	CONDITI	ONING		1							
27-04	Forward C Compartn Shutoff Va (EMBRAE 170/175/1 190-E2/19 LINEAGE	nent alve ER 90/195/ 95-E2/									
-A			С	1	0	(M) May be inoperative provided:a) Valve is secured closeb) Fan is deactivated, arc) Live animals are not carried in the forward cargo compartment.					
-В			С	1	0	(O) May be inoperative provided procedures are established and used to ensure the associated compartment remains en or is verified to contain o empty cargo handling equipment, ballast (balla may be loaded in ULDs), or Fly Away Kits.	npty, nly st				
						NOTE: Operator MELs n define which item approved for incli in the Fly Away k and which materi can be used as ballast.	ns are usion (its,				
27-09	Aft Bagga Compartn Shutoff Va (LINEAGE	nent alves	С	2	0	 (M) May be inoperative provided: a) Both valves are secur closed, and b) Live animals are not carried in the baggag compartment. 					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	ERJ 170/ERJ 190				Revision 18	Page 21-11					
	ERJ 1/U/ERJ 190		Ren	air c	ategory	21-11					
Syster					ber installed						
Seque No.				3. 1	Number required for dispatch						
					4. Remarks and/or exception	S					
21 AIF	CONDITIONING				<u> </u>						
28-02 ***	In-Flight Entertainment System (IFE) (EMBRAER 170/175/190/195/ LINEAGE 1000)										
-01	Ventilation Fan	D	1	0	(M)(O) May be inoperative provided:a) Ventilation system is andb) IFE is used in-flight or	reset,					
-02	Airflow Switch	D	1	0	(M)(O) May be inoperative provided:a) Ventilation system is andb) IFE is used in-flight or	reset,					
28-03	In-Flight Entertainment System (IFE) Ground-Shutoff- Valve (EMBRAER 170/175/190/195/ LINEAGE 1000)	D	1	0	 (M)(O) May be inoperative provided: a) Affected valve is secural closed, b) Ventilation system is and c) IFE is used in-flight or 	ıred reset,					
28-04	In-Flight Entertainment System (IFE) Vent- Shutoff-Valve (EMBRAER 170/175/190/195/ LINEAGE 1000)	D	1	0	(M) May be inoperative provided:a) Affected valve is secuclosed, andb) IFE is deactivated.	ured					

	MASTER MI	NIN	<u> 1U</u> N	<u> 1</u> Е	QUIPMENT LIST	
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 21-12
			Rena	air c	ategory	21-12
Syster					ber installed	
Seque No.				3. I	Number required for dispatch	
					4. Remarks and/or exception	S
21 AIF	RCONDITIONING	1	1		T	
28-08	Chiller Ventilation System (EMBRAER 170/175/190/195/ LINEAGE 1000)					
-01	Ventilation Fan	D	1	0	(M) May be inoperative provided:a) Ventilation-fan is deactivated, andb) Chiller is deactivated.	
-02	Airflow Switch	D	1	0	(M) May be inoperative provided:a) Ventilation-fan is deactivated, andb) Chiller is deactivated.	
28-09	Chiller Ground- Shutoff-Valve (EMBRAER 170/175/190/195/ LINEAGE 1000)	D	1	0	(M) May be inoperative provided:a) Affected valve is secuclosed, andb) Chiller is deactivated.	
28-10 ***	Chiller Vent- Shutoff-Valve (EMBRAER 170/175/190/195/ LINEAGE 1000)	D	1	0	(M) May be inoperative provided:a) Affected valve is secuclosed, andb) Chiller is deactivated.	
28-12	Chiller Maintenance Panel (EMBRAER 170/175/190/195/ LINEAGE 1000)	D	1	0	(M) May be inoperative provided alternate proce are established and used	
					NOTE: Any portion of the system that oper normally may be	ates
l		1		1		

	MASTER MINIMUM EQUIPMENT LIST											
Airplan		I 170/ERJ 19	^			Revision 18	Page 21-13					
Syster		, 170/LIC 13				ategory	21-10					
Seque	nce	ITEM		2. 1		ber installed lumber required for dispatch						
No.					•	4. Remarks and/or exception	s					
21 AIF	COND	ITIONING										
29-02	Low Pr Ground Check	d Connection										
-01	190 FR	AER 5/190/195/ REIGHTER/ GE 1000										
-A			С	2	1	Except for ER operations may be inoperative open provided associated Air Conditioning Pack is considered inoperative.						
-В			С	2	0	Except for ER operations may be inoperative open provided both Air Conditi Packs are considered inoperative.						
-C			С	2	0	May be inoperative close	ed.					
-02	EMBRA 195-E2	AER 190-E2/	С	1		May be inoperative close						

	MASTER MINIMUM EQUIPMENT LIST											
Airplan					Revision 18	Page						
	ERJ 170/ERJ 190		Ran	air c	rategory	21-14						
Syster		'''	1. Repair category 2. Number installed									
Seque No.					Number required for dispatch							
110.	•				4. Remarks and/or exception	s						
21 AIF	CONDITIONING											
31-01	Cabin Pressure Control System (CPCS) Controller Channels											
-01	System Faults											
-A		С	-	-	May be dispatched with PRESN AUTO FAULT Advisory EICAS messag provided PRESN MAN F Caution message is not displayed on EICAS.							
-B		С	-	-	Except for ER operations may be dispatched with PRESN AUTO FAIL Cau EICAS message provide Outflow Valve is conside inoperative.	ition d						
-C		С	-	-	Except for ER operations may be dispatched with PRESN MAN FAIL Caut EICAS message provide Outflow Valve is conside inoperative.	ion d						
-D	EMBRAER 190-E2/ 195-E2	С	-	-	(O) Except for ER operarmay be dispatched with PRESN MAN FAIL Caut EICAS message provide a) PRESN AUTO FAIL anot displayed on the EICAS, b) Extended overwater fis prohibited, and c) Dump function of the Outflow Valve is tested before each flight.	ion d: T or are						

MASTER MINIMUM EQUIPMENT LIST											
Airplane	e ERJ 170/ERJ 19	0			Revision 18	Page 21-15					
Syster		_			ategory	1 - 1 10					
Seque			2. 1		ber installed lumber required for dispatch						
No.				3. 1	4. Remarks and/or exception	s					
21 AIR	CONDITIONING										
31-02	Outflow Valve										
-01	EMBRAER 170/175/190/195/ 190 FREIGHTER/ 190-E2/195-E2	С	1	0	 (O) Except for ER operarmay be inoperative provided a) Outflow Valve Indication MFD operates nor b) Outflow Valve is veriff open before each flight open before each flight is prohibited, and d) Flight is conducted in unpressurized configuration. 	ded: ion mally, ied ht, light					
-02	EMBRAER 170/175/190/195/ 190 FREIGHTER/	С	1	0	 (M)(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is remote is prohibited, and c) Flight is conducted in unpressurized configuration. (Continued) 	light					

MASTER MINIMUM EQUIPMENT LIST											
Airplane	ERJ 170/ERJ 190)			Revision 18	Page 21-16					
Syster	n l	1. I	1. Repair category								
Seque			2. 1		ber installed						
No.				3. 1	lumber required for dispatch						
					4. Remarks and/or exception	<u> </u>					
21 AIR	CONDITIONING	1									
31-02	Outflow Valve (Continued)										
-03	LINEAGE 1000										
-A		С	1	0	 (O) Except for ER operat may be inoperative provious) a) Outflow Valve Indication MFD operates nor b) Outflow Valve is verifiopen before each flight c) Extended overwater for is prohibited, d) Auxiliary Fuel System considered inoperative and e) Flight is conducted in unpressurized configuration. 	ded: ion mally, ed nt, light is e,					
-B		С	1	0	 (O) Except for ER operat may be inoperative provi a) Outflow Valve is remote by Extended overwater for is prohibited, c) Auxiliary Fuel System considered inoperative and d) Flight is conducted in unpressurized configuration. 	ded: oved, light is e,					
1-05	Outflow Valve Indication on MFD	С	2	0							

	MASTER MINIMUM EQUIPMENT LIST												
Airplan					Revision 18	Page							
	ERJ 170/ERJ 190		Don	oir c	noto a on /	21-17							
Syster		1.1	Repair category 2. Number installed										
Seque No.			3. Number required for dispatch										
NO.	•				4. Remarks and/or exception	s							
21 AIF	CONDITIONING												
31-07	Cabin Rate of Climb Indication on EICAS												
-A		С	1	0	May be inoperative provi Automatic Mode on both channels operates norm								
-B		С	1	0	Except for ER operations may be inoperative provioutflow Valve is considerinoperative.	ded							
31-09	Cabin Differential Pressure Indication on EICAS												
-A		С	1	0	 (O) May be inoperative provided: a) Cabin Altitude Indicat operates normally, ar b) A table is available to convert Cabin Altitude Cabin Differential Pressure. 	nd							
-B		С	1		Except for ER operations may be inoperative provi Outflow Valve is conside inoperative.	ded							

MASTER MINIMUM EQUIPMENT LIST											
Airplan	e ERJ 170/ERJ 190	1			Revision 18	Page 21-18					
			1. Repair category								
Syster Seque			2. Number installed								
No				3. I	Number required for dispatch 4. Remarks and/or exceptions	•					
21 AIF	R CONDITIONING	<u> </u>	l .	l .	4. Nemarks and/or exceptions						
31-11	Cabin Altitude Indication on EICAS										
-A		С	1	0	 (O) May be inoperative provided: a) Cabin Differential President Indication operates normally, and b) A table is available to convert Cabin Different Pressure to Cabin Altir 	ntial					
-В		С	1	0	Except for ER operations may be inoperative provid Outflow Valve is consider inoperative.	ded					
31-13	Landing Field Elevation (LFE) Indication on EICAS	С	1	0	Except for ER operations may be inoperative provic Outflow Valve is consider inoperative.	ded					
32-01	Positive Pressure Relief Valve (Including Static Port and Tubing)	С	1	0	Except for ER operations may be inoperative provic Outflow Valve is consider inoperative.	ded					
32-04	Negative Pressure Relief Valve	С	1	0	Except for ER operations may be inoperative provic Outflow Valve is consider inoperative.	ded					
32-14	Safety Valve Indication on MFD	С	2	0							
41-00	Heated Floor Panel System (EMBRAER 170/175/190/195/ LINEAGE 1000)				Deleted, Revision 18.	I					

	MASTER MINIMUM EQUIPMENT LIST											
Airplan	ERJ 170/ERJ 190)			Revision 18	Page 21-19						
Custon		_	Repa	air c	ategory	<u>, </u>						
Syster Seque			2. 1		ber installed							
No.				3. 1	Number required for dispatch							
					4. Remarks and/or exception	<u>s</u>						
21 AIF	CONDITIONING	1	1	1								
51-00	Air Conditioning Packs											
-01	EMBRAER 170/175/190/195/ LINEAGE 1000											
-A	Airplanes with Ram Air Inlet Doors Installed	С	2	1	 (O) Except for ER operatione may be inoperative provided: a) Associated Air Conditioning Pack rer selected off, b) Flight is conducted at below FL 310, and c) Both Ram Air Inlet Do are considered inoperative 	mains or oors						
-B	Airplanes without Ram Air Inlet Doors Installed	С	2	1	(O) Except for ER operatione may be inoperative provided: a) Associated Air Conditioning Pack rer selected off, and b) Flight is conducted at below FL 310. (Continued)	mains						

	MASTER MINIMUM EQUIPMENT LIST												
Airplan					Revision 18	Page							
	ERJ 170/ERJ 190		Ren	air c	ategory	21-20							
Syster		•••	2. Number installed										
Seque No.				3. I	Number required for dispatch	,							
					4. Remarks and/or exception	s							
21 AIF	CONDITIONING	1	ı	1	1								
51-00	Air Conditioning Packs (Continued)												
-02	EMBRAER 170/175/190/195												
-A	Airplanes with Ram Air Inlet Doors Installed	С	2	0	(O) Except for ER operation may be inoperative provious) a) Both Air Conditioning Packs remain selected in unpressurized configuration, and c) Both Ram Air Inlet Do are considered inoperation.	ided: ed off, an oors							
-B	Airplanes without Ram Air Inlet Doors Installed	С	2	0	 (O) Except for ER operating the inoperative provious and Both Air Conditioning Packs remain selected and b) Flight is conducted in unpressurized configuration. 	ided: ed off,							
-03	EMBRAER 190 FREIGHTER												
-A		С	2	1	(O) Except for ER operatione may be inoperative provided: a) Associated Air Conditioning Pack reliselected off, and b) Flight is conducted at below FL 310. (Continued)	i mains							

MASTER MINIMUM EQUIPMENT LIST										
Airplan		170/ERJ 190				Revision 18	Page 21-21			
Syster		170/210 100				ategory				
Seque	nce	ITEM		2. 1		ber installed lumber required for dispatch				
No.						4. Remarks and/or exception	s			
21 AIF	CONDI	TIONING	1	ı	ı					
51-00	Air Con- Packs (Continu	ued)								
-03		EIGHTER								
-B			С	2	0	(O) Except for ER operation may be inoperative provious) a) Both Air Conditioning Packs remain selected b) Flight is conducted in unpressurized configuration, and c) Procedures are established and used ensure the Main Decl Cargo compartment remains empty or is verified to contain onlempty cargo handling equipment, ballast (be may be loaded in ULI and/or Fly Away Kits. NOTE: Operator MELs redefine which item approved for incling the Fly Away Frank and which materican be used as ballast. (Continued)	ded:			

	MASTER MINIMUM EQUIPMENT LIST											
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 21-22						
		_	Rena	air c	ategory	21-22						
Syster Seque				Num	ber installed							
Seque No.				3. 1	Number required for dispatch							
04 415	CONDITIONING		<u> </u>		4. Remarks and/or exception	S						
21 AIF	CONDITIONING	1		1								
51-00	Air Conditioning Packs (Continued)											
-04	EMBRAER 190 PR/ LINEAGE 1000					I						
-A	Airplanes with Ram Air Inlet Doors Installed	С	2	0	 (O) Except for ER operat may be inoperative provious) a) Both Air Conditioning Packs remain selecte b) Flight is conducted in unpressurized configuration, c) Both Ram Air Inlet Do are considered inoperand d) The Auxiliary Fuel systis considered inopera 	ded: d off, an oors rative,						
-B	Airplanes without Ram Air Inlet Doors Installed	С	2	0	(O) Except for ER operating may be inoperative provia) Both Air Conditioning Packs remain selectes b) Flight is conducted in unpressurized configuration, and c) The Auxiliary Fuel systis considered inoperation (Continued)	ded: d off, an stem						

Airplan	9	WAS I ER W	114114	101	<u> </u>	QUIPMENT LIST Revision 18	Page
, iii piaii		170/ERJ 190)			Troviolon 10	21-23
Cueter	0		1. Repair ca			ategory	
Syster Seque		ITEM		2. 1		ber installed	
No.					3. 1	Number required for dispatch	
						4. Remarks and/or exception	s
21 AIF	CONDI	TIONING	1	1	1		
51-00	Air Cond Packs (Continu						
-05	EMBRA 195-E2	ER 190-E2/					
-A			A	2	1	 (O) Except for ER operatione may be inoperative provided: a) Associated Air Conditioning Pack reselected off, b) Wing Anti-Ice System operative, c) Flight is conducted at below FL 310, and d) Repairs are made wit 10 flight days. 	mains ı is
-B			A	2	0	 (O) Except for ER operations both may be inoperative provided: a) Both Air Conditioning Packs remain selecte b) Wing Anti-Ice System operative, c) Flight is conducted in unpressurized configuration, and d) Repairs are made with 10 flight days. 	ed off, i is an

MASTER MINIMUM EQUIPMENT LIST										
Airplane ERJ 170/ERJ 190				Revision 18	Page 21-24					
	1. F	Repa	21-24							
System & Seguence ITEM		2. 1								
No.			3. 1	lumber required for dispatch						
24 AIR CONDITIONING				4. Remarks and/or exception	<u>s</u>					
21 AIR CONDITIONING		1								
51-01 Pack Flow Control Valves										
-A	С	2	1	 (M) Except for ER operar one may be inoperative provided: a) Affected valve is secuclosed, and b) Associated Air Conditioning Pack is considered inoperative 	ıred					
-B	С	2	1	 (O) Except for ER operating may be inoperative provious. a) Affected valve is verificated. b) Flow Control Valve indication on MFD operates normally, and c) Associated Air Conditioning Pack is considered inoperative. 	ded: ied					
-C	С	2	0	 (M) Except for ER operarmay be inoperative provious) a) Affected valves are secured closed, and b) Both Air Conditioning Packs are considered inoperative. 	ded:					

	MASTER MINIMUM EQUIPMENT LIST											
Ī	Airplan	ERJ 170/ERJ 190	1			Revision 18	Page 21-25					
-				Repa	air c	ategory	21-25					
	Syster Seque				Num	ber installed						
	Seque No.				3. 1	Number required for dispatch						
ŀ						4. Remarks and/or exception	S					
Ļ	21 AIF	CONDITIONING	1	1	1	I						
	51-02	Flow Sensing Venturis										
	-A		С	2	1	Except for ER operations may be inoperative provi associated Air Condition Pack is considered inoperative.	ded					
	-B		С	2	0	Except for ER operations may be inoperative provi both Air Conditioning Parare considered inoperative	ded cks					
	51-08	Water Spray Nozzles										
	-A		С	2	1	Except for ER operations may be inoperative provi associated Air Condition Pack is not used.	ded					
	-B		С	2	0	(M) May be inoperative provided affected Spray Nozzle is removed.						
	-C		С	2	0	Except for ER operations may be inoperative provi both Air Conditioning Parare not used.	ded					
	51-23	Pack 1 (2) Pushbutton Illumination	С	2	0	(O) May be inoperative provided associated pushbutton is verified operative.						

	MASTER MINIMUM EQUIPMENT LIST							
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 21-26		
		1. I	Repa	air c	ategory	21-20		
Syster Seque				Num	ber installed			
No.				3. I	Number required for dispatch			
24 AIE	CONDITIONING	<u> </u>		<u> </u>	4. Remarks and/or exception	5		
Z1 AIF	CONDITIONING	l	l	l				
	Temperature Control							
-01	Cockpit Temperature "SET" Indication on MFD ECS Page	С	2	0	May be inoperative provi Cockpit Temperature "ACTUAL" Indication on ECS Page operates norr	MFD		
-02	Cockpit Temperature "ACTUAL" Indication on MFD ECS Page	С	2	0	May be inoperative provi Cockpit Temperature "SE Indication on MFD ECS I operates normally.	ΞT"		
-03	Passenger Cabin Zone Temperature "SET" Indication on MFD ECS Page	С	4	0	May be inoperative provi Passenger Cabin Temperature "ACTUAL" Indication on MFD ECS I operates normally.			
-04	Passenger Cabin Zone Temperature "ACTUAL" Indication on MFD ECS Page	С	4	0	May be inoperative provi Passenger Cabin Temperature "SET" Indic on MFD ECS Page opera normally.	ation		
61-00	Cockpit Temperature Control on Air Conditioning/ Pneumatic Panel							
-A		С	1	0	May be inoperative provi Cockpit Temperature "SE Indication on MFD ECS I is acceptable by the fligh crew.	ET" Page		
-B		С	1	0	Except for ER operations may be inoperative provi Air Conditioning Pack 01 not used.	ded		

		NIN	1UN	ΙE	QUIPMENT LIST
Airpland	e ERJ 170/ERJ 190)			Revision 18 Page 21-27
Syster	n &	1. I			ategory
Seque			2. 1		ber installed Number required for dispatch
No.				J. I	4. Remarks and/or exceptions
21 AIF	CONDITIONING				•
61-01	Cockpit Zone Temperature Sensor				
-A		С	1	0	May be inoperative provided Cockpit Temperature "SET" Indication on MFD ECS Page operates normally.
-B		С	1	0	Except for ER operations, may be inoperative provided Air Conditioning Pack 01 is not used.
62-00	Passenger Cabin Zone Temperature Control				
-01	On Air Conditioning/ Pneumatic Panel				
-A		С	1	0	May be inoperative provided: a) PAX/CABIN knob on the AIR COND/PNEUMATIC Panel is set to ATTND position, and b) Temperature Control knob on the FAP is used to control the Passenger-Cabin Zone Temperature.
-B		С	1	0	May be inoperative provided Cabin Temperature "SET" Indication on MFD ECS Page is considered inoperative.
					NOTE: This failure mode is recognized when the "SET" indication is dashed.
					(Continued)

	MASTER MI	NIN	1UN	ΛE	QUIPMENT LIST	
Airplane					Revision 18	Page
	ERJ 170/ERJ 190		-			21-28
Syster		1.1			ategory ber installed	
Seque No.					Number required for dispatch	
NO.	·				4. Remarks and/or exception	s
21 AIR	CONDITIONING					
62-00	Passenger Cabin Zone Temperature Control (Continued)					
-01	On Air Conditioning/ Pneumatic Panel (Continued)					
-C		С	1	0	May be inoperative provi "SET" Indication on MFD Page is in a range of temperature acceptable flight crew.	ECS
-D		С	1	0	Except for ER operations may be inoperative provi Air Conditioning Pack 02 not used.	ided
-02	On Flight Attendant Panel/CMS					
-A		С	-	0	May be inoperative provi Temperature Control kno the AIR COND/PNEUMA Panel is used.	ob on
-B		С	-		Except for ER operations may be inoperative provi Air Conditioning Pack 02 not used.	ided

	MASTER MI	NIN	1UN	ΛE	QUIPMENT LIST	
Airplane	ERJ 170/ERJ 190				Revision 18	Page 21-29
•			Repa	air c	ategory	
Syster Seque				Num	ber installed	
No.				3. I	Number required for dispatch	
			<u> </u>		4. Remarks and/or exception	S
21 AIR	CONDITIONING	1	1	l	1	
62-01	Passenger Cabin Zone Temperature Sensor					
-A		С	-	0	May be inoperative provi Passenger Cabin Zone Temperature "SET" indic on MFD ECS Page oper- normally.	ation
-В		С	-	0	Except for ER operations may be inoperative provi Air Conditioning Pack 02 not used.	ded
62-03	Trim Air Pressure Regulating Valve (EMBRAER 190-E2/ 195-E2)	С	1	0	(M) May be inoperative provided valve is secured closed.	d
62-05 ***	Trim Air Valves					
-01	EMBRAER 170/175/190/195/ LINEAGE 1000	С	2	0	(M) May be inoperative provided affected valve is secured closed.	S
-02	EMBRAER 190-E2/ 195-E2					
-A		С	3	0	May be inoperative provi Trim Air Pressure Regula Valve is operative.	
-В		С	3	0	May be inoperative provi Trim Air Pressure Regula Valve is considered inoperative.	
72-00 ***	Air Cleaner System (EMBRAER 190-E2/ 195-E2)	D	2	0	(M) May be inoperative provided associated Air Cleaner Shutoff Valve is deactivated closed.	
l		1	1	ı	1	

Airplan					QUIPMENT LIST Revision 18	Page
Allpian	ERJ 170/ERJ 1	90			TREVISION 10	22-1
Syster	n &	1.			ategory	
Seque			2. I		ber installed	
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions	<u> </u>
22 AU	TO FLIGHT CONTE	ROL S	SYS	TE		
	Autopilot System	В	1	0	May be dispatched with A FAIL Caution EICAS mes provided procedures do n require its use.	sage
-01	System Faults (EMBRAER 190-E2 195-E2)	2/ A	-	-	 (O) May be dispatched with AP FAULT Advisory EICA message provided: a) Both AP DISC buttons verified to operate normally, and b) Repairs are made with 10 calendar-days. 	AS are
					NOTE: If one AP DISC b is inoperative, refe MMEL item 22-11 Autopilot Disconn (AP DISC) Button	er to -04 ect
10-00	Autopilot Channels (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	A	2	1	 (M) May be dispatched w AP FAULT Advisory EICA message provided: a) Both AP/TRIM DISC buttons are verified to operate normally, and b) Repairs are made with 10 calendar-days. 	4S
10-01	Autoland 1 (Airplanes with Autoland capability) C	1	0	May be inoperative provio operations do not require use.	
10-02	Autoland 2 (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	1	0	May be inoperative provio operations do not require use.	
10-12	Mach Trim Channe (EMBRAER 190/195/ 190 FREIGHTER/ LINEAGE 1000)	els B	2	1		

	MASTER MINIMUM EQUIPMENT LIST							
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 22-2		
Cueter			Repa	air c	ategory	1		
Syster Seque			2. 1		ber installed			
No.				3. I	Number required for dispatch 4. Remarks and/or exceptions			
22 411	TO FLIGHT CONTRO		ve	TE		3		
22 AU	TO FLIGHT CONTRO	L	13	<u> </u>	IVI			
10-14	Yaw Damper Channels (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	В	2	1		I		
10-16	Flight Director Channels	В	2	1	One may be inoperative provided operations do n require its use.	ot		
10-20	Takeoff/Go-Around (TO/GA) Buttons	С	2	1	(O) One may be inoperated provided:a) Approach minimums of not require its use, andb) Alternate procedures established and used	do nd are		
11-01	Guidance Panel (GP)							
-01	GP Channels							
-A	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	С	2	1	 (O) Except for ER operatione may be inoperative provided: a) Associated side TO/G and AP/FD TCS butto are considered inoperand b) Alternate procedures established and used 	A ons rative, are		
-B	EMBRAER 190-E2/ 195-E2	С	2	1	 (O) One may be inoperated provided: a) Associated side TO/C and AP DISC buttons considered inoperative and, b) Alternate procedures established and used (Continued) 	GA are e, are		

	MASTER MINIMUM EQUIPMENT LIST									
Airplan					Revision 18	Page				
	ERJ 170/ERJ 190		Rena	air c	ategory	22-3				
Syster					ber installed					
Seque No.				3. 1	Number required for dispatch					
00.411	TO EL 1011T CONTRO				4. Remarks and/or exceptions	}				
22 AU	TO FLIGHT CONTRO	LS	YS	IE	M					
11-01	Guidance Panel (GP) (Continued)									
-02	Flight Director (FD) Buttons	С	2	0						
-03	Autopilot Button									
-A	AP Button (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	В	1	0	May be inoperative provious operations do not require use.					
-В	AUTOPILOT Button (EMBRAER 190-E2/ 195-E2)	В	1	0	May be inoperative provious operations do not require use.					
-04	Source (SRC) Button	С	1	0		1				
-05	Airspeed to Mach (PUSH IAS-MACH) Change Button	С	1	0		I				
-06	Lateral Navigation Mode Button					1				
-A	NAV Button (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	1	0	May be inoperative provious operations do not require use.					
-B	LNAV Button (EMBRAER 190-E2/ 195-E2)	С	1	0	May be inoperative provious operations do not require use. (Continued)					

	MASTER MINIMUM EQUIPMENT LIST									
Airplan					Revision 18	Page				
	ERJ 170/ERJ 190	1 6	2en:	air c	ategory	22-4				
Syster					ber installed					
Seque No.				3. 1	Number required for dispatch					
					4. Remarks and/or exceptions	<u> </u>				
22 AU	TO FLIGHT CONTRO	L S	YS	TE	M					
11-01	Guidance Panel (GP) (Continued)									
-07	Heading (HDG) Mode Button	С	1	0	(O) May be inoperative provided alternate procedure established and used					
-08	Approach Mode Button					1				
-A	APP Button (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	1	0	May be inoperative provious operations do not require use.					
-В	APPR Button (EMBRAER 190-E2/ 195-E2)	С	1	0	May be inoperative provious operations do not require use.					
-09	Bank Limiter (BANK) Button	С	1	0	(O) May be inoperative provided alternate procedure established and used					
-10	Heading Selector (HDG SEL) Knob	С	1	0	(O) May be inoperative provided alternate procedure established and used					
-11	Heading Synchronization (PUSH SYNC) Button	С	1	0		I				
-12	Flight Level Change (FLCH) Mode Button	С	1	0	May be inoperative provious operations do not require use.					
-13	Vertical Navigation (VNAV) Mode Button	С	1	0	May be inoperative proviouse. (Continued)					

	MASTER MI	NIN	1UN	ΙE	QUIPMENT LIST	
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 22-5
_			Repa	air c	ategory	22-5
Syster Seque			2. 1	Num	ber installed	
No.				3. 1	Number required for dispatch	
00 411	TO FLICHT CONTRO				4. Remarks and/or exceptions	S
22 AU	TO FLIGHT CONTRO	<u>L 3</u>	15	IE	IVI	
11-01	Guidance Panel (GP) (Continued)					
-14	Altitude Hold (ALT) Mode Button	С	1	0	May be inoperative provious operations do not require use.	
-15	Feet to Meter (PUSH FT-M) Change Button	С	1	0	May be inoperative provious operations do not require use.	
-16	Flight Path Angle (FPA) Mode Button	С	1	0	May be inoperative provious operations do not require use.	
-17	Flight Path Angle Selector (FPA SEL) Knob (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	1	0	May be inoperative proviouse.	
-18	Vertical Speed (VS) Mode Button	С	1	0	May be inoperative provious operations do not require use. (Continued)	

	MASTER MI	NIN	1UN	ΛE	QUIPMENT LIST	
Airplan					Revision 18	Page
	ERJ 170/ERJ 190	4 6	2an	oir o	noto gony	22-6
Syster		1. [ategory iber installed	
Seque No.					Number required for dispatch	
					4. Remarks and/or exception	s
22 AU	TO FLIGHT CONTRO	L S	YS	TE	M	
11-01	Guidance Panel (GP) (Continued)					
-19	Selector Thumb Wheel					
-A	Vertical Speed (VS DN/UP) Selector Thumb Wheel (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	1	0	May be inoperative provi operations do not require use.	
-B	Vertical Speed and Flight Path Angle (VS/FPA DN/UP) Selector Thumb Wheel (EMBRAER 190-E2/ 195-E2)	С	1	0	May be inoperative provi operations do not require use.	
-20	Autothrottle (A/T) Button	В	1	0	May be inoperative provi Autothrottle Channels are considered inoperative.	
-21	CRS Controller Knob	С	2	1	May be inoperative provi operations do not require use.	
-22	Course Synchronization (PUSH DIR) Button	С	2	1	May be inoperative provi operations do not require use.	
11-03	Autopilot/Flight Director Touch Control Steering (AP/FD TCS) Buttons	С	2	0		

IVIASTERIVII	MIIA	IUI	<u>/ E</u>	QUIPMENT LIST	
				Revision 18	Page 22-7
	1. F	Repa	air c	ategory	22-1
			Num	ber installed	
			3. 1		
TO FLIGHT CONTRO	ıs	2	TF		5
			<u> </u>	ivi	
Autopilot Disconnect (AP DISC) Buttons (EMBRAER 190-E2/ 195-E2)					
	С	2	1	One may be inoperative the pilot monitoring side provided: a) Autopilot is not used to 1500 ft AGL, and b) Approach minimums of not require the use of autopilot.	l pelow do
	В	2	0	May be inoperative provi autopilot is not used.	ded
Autothrottle Channels					
	С	2	1		
	В	2	0	May be inoperative provi AT is not used.	ded
Autothrottle Disconnect Buttons					
	С	2	1		
	В	2	0	May be inoperative provi both Autothrottle Channe are considered inoperative	els
Electronic Thrust Trim System (ETTS)	В	1	0	May be inoperative provi both Autothrottle Channe are considered inoperative	els
	ERJ 170/ERJ 190 m & ITEM TO FLIGHT CONTRO Autopilot Disconnect (AP DISC) Buttons (EMBRAER 190-E2/195-E2) Autothrottle Channels Autothrottle Disconnect Buttons	ERJ 170/ERJ 190 m & ITEM TO FLIGHT CONTROL S Autopilot Disconnect (AP DISC) Buttons (EMBRAER 190-E2/195-E2) C Autothrottle Channels C Autothrottle Disconnect Buttons C B Electronic Thrust B 1. If the series of the	ERJ 170/ERJ 190 m & ITEM TO FLIGHT CONTROL SYS Autopilot Disconnect (AP DISC) Buttons (EMBRAER 190-E2/195-E2) C 2 Autothrottle Channels C 2 Autothrottle Disconnect Buttons C 2 B 2 Electronic Thrust B 1	R	ERJ 170/ERJ 190 m & ITEM 1. Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exception TO FLIGHT CONTROL SYSTEM Autopilot Disconnect (AP DISC) Buttons (EMBRAER 190-E2/195-E2) C 2 1 One may be inoperative the pilot monitoring side provided: a) Autopilot is not used in 1500 ft AGL, and b) Approach minimums not require the use of autopilot. B 2 0 May be inoperative proving autopilot is not used. Autothrottle Channels C 2 1 B 2 0 May be inoperative proving AT is not used. Autothrottle Disconnect Buttons C 2 1 B 2 0 May be inoperative proving AT is not used. Electronic Thrust Trim System (ETTS) B 1 0 May be inoperative proving both Autothrottle Channels

·		MASTER MI	NIN	1UN	ΙE	QUIPMENT LIST	
Sequence No. 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 11-00 High Frequency *** (HF) Communication System -A -B C - 1 (O) May be inoperative while conducting operations that require two Long Range Communication Systems (LRCS) provided: a) Aircraft SATVOICE system operates normally, b) SATVOICE services are available as a LRCS over the intended route of flight C) The ICAO Flight Plan is updated (as required) to notify ATC of the communications equipment status of the aircraft, and d) Alternate procedures are	Airplane	ERJ 170/ERJ 190)			Revision 18	Page 23-1
11-00 High Frequency *** (HF) Communication System -A -B C - 1 (O) May be inoperative while conducting operations that require two Long Range Communication Systems (LRCS) provided: a) Aircraft SATVOICE system operates normally, b) SATVOICE services are available as a LRCS over the intended route of flight c) The ICAO Flight Plan is updated (as required) to notify ATC of the communications equipment status of the aircraft, and d) Alternate procedures are	Sequence		1. I		Num	ber installed lumber required for dispatch	s
-A -A -B -B -B -B -B -B -B -B	23 COMM	MUNICATIONS				•	
required by local regulations may be inoperative. C - 1 (O) May be inoperative while conducting operations that require two Long Range Communication Systems (LRCS) provided: a) Aircraft SATVOICE system operates normally, b) SATVOICE services are available as a LRCS over the intended route of flight c) The ICAO Flight Plan is updated (as required) to notify ATC of the communications equipment status of the aircraft, and d) Alternate procedures are	*** (H	HF) Communication					
conducting operations that require two Long Range Communication Systems (LRCS) provided: a) Aircraft SATVOICE syster operates normally, b) SATVOICE services are available as a LRCS over the intended route of flight c) The ICAO Flight Plan is updated (as required) to notify ATC of the communications equipment status of the aircraft, and d) Alternate procedures are	-A		D	-	-	required by local regulati	ons
	-B		С		1	conducting operations the require two Long Range Communication Systems (LRCS) provided: a) Aircraft SATVOICE systems operates normally, b) SATVOICE services a available as a LRCS of the intended route of c) The ICAO Flight Plan updated (as required) notify ATC of the communications equipment status of the aircraft, and d) Alternate procedures	at ystem are over flight, is to ne are

MASTER MINIMUM EQUIPMENT LIST										
Airplane				Revision 18	Page					
ERJ 170/ERJ 19		Don	air c	estogory	23-2					
System &	' ' '	1. Repair category 2. Number installed								
Sequence ITEM				Number required for dispatch						
No.				4. Remarks and/or exception	s					
23 COMMUNICATIONS										
12-00 Very High Frequency (VHF) Communication System										
-A	D	-	-	Any in excess of those required by local regulationary be inoperative provious) VHF 1 operates normand b) Procedures do not reits use.	ided: nally,					
-B	С	-	1	 (O) Any in excess of one be inoperative provided: a) VHF 1 operates norm b) Operations are conduunder VFR over route navigated by reference visual landmarks, c) Applicable airspace requirements for the intended flight route a complied with, and d) Alternate procedures established and used applicable. 	nally, ucted es ce to are					
-C	С	-	2	(O) Any in excess of two be inoperative provided alternate procedures are established and used, if applicable.	-					

MASTER MINIMUM EQUIPMENT LIST									
Airplane					Revision 18	Page			
	ERJ 170/ERJ 190		Ren	air c	ategory	23-3			
Syster Seque					ber installed				
No.				3. I	Number required for dispatch				
		<u> </u>			4. Remarks and/or exceptions	}			
23 CO	MMUNICATIONS	1	ı	ı	1				
15-00	Satellite Communication System (SATCOM)								
-A		С	-	0	(O) May be inoperative provided alternate procedure established and used				
-В		D	-	0	May be inoperative provious procedures do not require use.				
21-00	Selective Call System (SELCAL)								
-A		С	-	0	(O) May be inoperative provided alternate procedure established and used				
-B		D	-	0	May be inoperative provious procedures do not require use.				
23-00	Wireless Gatelink System/Wireless Quick Access Recorder (WQAR) (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	D	1	0	(M) May be inoperative provided alternate procedure established and used				
24-00	Communication Management Function (CMF)								
-A		С	-	0	(O) May be inoperative provided alternate procedure established and used				
-B		D	-	0	May be inoperative proviouse.				

	MASTER MINIMUM EQUIPMENT LIST										
Airplane ED L470/ED L400						Revision 18	Page				
	ERJ 170/ERJ 190					ategory	23-4				
Syste		ITEM		2. 1	Num	ber installed					
Seque No		ITEM			3. 1	Number required for dispatch					
						4. Remarks and/or exceptions	<u>s</u>				
23 CO	MM	UNICATIONS		ı	ı	T					
24-01	Pri	nter									
-A			С	1	0	(O) May be inoperative provided alternate procedure established and used					
-B			D	1	0	May be inoperative proviprocedures do not requiruse.					
25-00	Da Co Sy (FA	ntroller Pilot talink mmunication stem ANS 2-CPDLC/ N-CPDLC)									
-A			С	-	0	(O) May be inoperative provided alternate procedure established and used					
-В			D	-	0	May be inoperative provi- procedures do not requir- use.					

	MASTER M	ININ	/UN	ΙE	QUIPMENT LIST	
Airplan	e ERJ 170/ERJ 190	1				Page 23-5
		_	Rep	air c	ategory	23-5
Syster Seque No.	nce ITEM			Num	ber installed Number required for dispatch 4. Remarks and/or exceptions	
23 CO	MMUNICATIONS				4. Remarks and/or exceptions	
	Passenger Address System					
-A	EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000	С	1	0	 (O) May be inoperative provided: a) PA not required by local regulations, and b) Alternate, normal and emergency procedures and/or operating restrictions are establishand used. 	;,
					NOTE: Any station function that operate normal may be used.	
-B	EMBRAER 170/175/190/195/ 190-E2/195-E2	В	1	0	 (O) May be inoperative provided: a) Alternate, normal and emergency procedures and/or operating restrictions are establis and used, and b) Flight attendant alerting system (chime or light) operates normally. 	hed
					NOTE: Any station functio that operate normal may be used.	

	MASTER MINIMUM EQUIPMENT LIST										
Airplan		`			Revision 18	Page					
	ERJ 170/ERJ 190	_	Ren	air c	ategory	23-6					
Syster			2.	Num	ber installed						
Seque No					Number required for dispatch						
					4. Remarks and/or exception	s					
23 CO	MMUNICATIONS	1	,	1	1						
30-10	Cabin Announcement System (EMBRAER 190 FREIGHTER)					 					
-A		С	1	0	(O) May be inoperative provided alternate proce are established and used						
-В		D	1	0	May be inoperative provi procedures do not requir use.						
51-00	Cockpit/Cabin Interphone System										
-A		D	-	-	Any in excess of those required may be inopera provided procedures do require their use.						
-B		С	-	-	(O) Any in excess of thos required may be inopera provided alternate proce are established and used (Continued)	tive dures					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 23-7					
Syster	n l	1. I	1. Repair category								
Seque			2. 1		ber installed						
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions						
23 CO	MMUNICATIONS		l		4. Nemarks and/or exceptions	•					
		1									
51-00	Cockpit/Cabin Interphone System (Continued)										
-01	Flight Deck to Cabin, Cabin to Flight Deck Functions										
-A	EMBRAER 170/175/190/195/ 190-E2/195-E2	В	-	-	 (O) May be inoperative provided: a) An adequate number interphone terminals, accessible by each required cabin crew from its assigned area or from the nearest assigned are operative, and b) Alternate procedures established and used, c) Flight deck call chime operates normally. 	om om area are , and					
-В	EMBRAER 190 FREIGHTER	С	1	0	(O) May be inoperative provided alternate procedure established and used						
		D	1	0	May be inoperative proviouse.						
-C	LINEAGE 1000	D	-	-	(O) May be inoperative provided operating rules not require its use.	do l					
					NOTE: Any station funct that operate norm may be used.						
					(Continued)						

	MASTER MI	NIN	1UN	ΙE	QUIPMENT LIST	
Airplan	e ERJ 170/ERJ 190				Revision 18	Page
			Rena	air c	ategory	23-8
Syster Seque				ber installed		
Seque No.				3. 1	Number required for dispatch	
00.00	MMUNICATIONS				4. Remarks and/or exception	<u> </u>
23 CO	MMUNICATIONS	1	1	1		
51-00	Cockpit/Cabin Interphone System (Continued)					
-02	Cabin to Cabin Functions (EMBRAER 170/175/190/195/ 190-E2/195-E2)	В	-	0	(O) May be inoperative provided alternate procedure established and used	
					NOTE: Any station functi that operate norn may be used.	
-03	Flight Deck to Ground, Ground to Flight Deck Functions					
-A		С	-	0	(O) May be inoperative provided alternate procedure established and used	
					NOTE: Any portion of sy which operates normally may be	
-B		D	-	0	May be inoperative provi procedures do not requir use.	
					NOTE: Any portion of sy which operates normally may be	
					(Continued)	

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190				Revision 18	Page					
			Repa	air c	category	23-9					
Syster Seque					nber installed						
No				3. I	Number required for dispatch						
22.00					4. Remarks and/or exceptions	5					
23 CO	MMUNICATIONS	1	1	1	<u> </u>						
51-00	Cockpit/Cabin Interphone System (Continued)										
-04	Flight Attendant Handset										
-A	EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000	С	-	-	(O) May be inoperative a non-required cabin crew						
-B	EMBRAER 170/175/190/195/ 190-E2/195-E2	С	-	-	 (O) May be inoperative provided: a) An adequate number interphone terminals, accessible by each required cabin crew fr its assigned area or fr the nearest assigned are operative, and b) Operative handsets a located at operative crew seats, and c) Alternate procedures established and used. 	om om area re abin are					
-C	EMBRAER 190 FREIGHTER	С	1	0	(O) May be inoperative provided alternate procedure established and used						
		D	1	0	May be inoperative proviouse.						
-D	LINEAGE 1000	D	_	-	Any in excess of those required by local regulation may be inoperative.	ons					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ	100		Revision 18	Page						
	ERJ 1/U/ERJ		Ran	air c	ategory	23-10					
Syste		'''			nber installed						
Seque No					Number required for dispatch						
NO	•				4. Remarks and/or exception						
23 CO	MMUNICATIONS	<u> </u>									
51-01	Cockpit Alerting System (Chime/Light)										
-01	Flight Deck Call Lights (CAB/EME on Digital Audio Panels	ER) B	6	0	May be inoperative prov a) Flight deck call chime operates normally, as b) Flight deck call chime differentiates betwee normal and emergen calls.	e nd e n					
51-02	Cockpit Speakers		2	0	May be inoperative prov a) Procedures do not re its use, and b) Associated Headset earphones or headph are installed and ope normally.	quire					

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ER	.1 190			Revision 18	Page 23-11				
			Repa	air c	ategory	12011				
Syster Seque				Num	ber installed					
No.				3. 1	Number required for dispatch					
					4. Remarks and/or exception	S				
23 CO	MMUNICATION	<u>S</u>	1	1						
51-03	Push To Talk (P Switches	TT)								
-01	PTT MIC Switch Glareshield Pan									
-A		С	2	0	 (O) May be inoperative provided: a) Associated PTT/HOT Switch on Yoke opera normally, and b) Affected switch is ver failed open (nontransmitting position). 	ates				
-B		С	2	0	 (M) May be inoperative provided: a) Associated PTT/HOT Switch on Yoke opera normally, and b) Affected switch is deactivated. 					
-02	PTT/HOT MIC Switches on Yol	ke								
-A		С	2	0	 (O) May be inoperative provided: a) Associated PTT MIC Switch on Glareshield Panel operates normal and b) Affected switch is ver failed open (nontransmitting position). 	ally, ified				
-В		С	2	0	(M) May be inoperative provided: a) Associated PTT MIC Switch on Glareshield Panel operates normal and b) Affected switch is deactivated.					

MASTER MINIMUM EQUIPMENT LIST										
e ED I 170/ED I 100				Revision 18	Page 23-12					
		Rena	air c	ategory	23-12					
			Num	ber installed						
ince inclivi			3. 1							
		<u> </u>		4. Remarks and/or exceptions	<u> </u>					
MMUNICATIONS	I	ı	ı	<u> </u>						
Flight Deck Headsets/ Headphones	D	-	-	Any in excess of those required by local regulationary be inoperative.	ons					
Headset Boom Microphones	Α	-	0	a) Associated hand microphone is installe and operates normally and	ed y,					
Headset Earphones/ Headphones	С	-	1							
Active Noise Cancelling/ Reduction Function	D	-	0	May be inoperative provinormal audio function of headset is operative.	ded					
Cockpit Hand Microphones										
	С	-	0							
	D	-	0		ons					
Digital Audio Panel (DAP)	С	3	2	each required crew mem the cockpit has access to	ber in o an					
SATCOM Cockpit Phone (LINEAGE 1000)	D	-	0	(O) May be inoperative provided the system is inhibited.						
	ERJ 170/ERJ 190 M & ITEM DIMMUNICATIONS Flight Deck Headsets/ Headphones Headset Boom Microphones Headset Earphones/ Headphones Active Noise Cancelling/ Reduction Function Cockpit Hand Microphones Digital Audio Panel (DAP) SATCOM Cockpit Phone	re ERJ 170/ERJ 190 m & ITEM DIMMUNICATIONS Flight Deck Headsets/ Headphones Headset Boom Microphones Headset Earphones/ C Cancelling/ Reduction Function Cockpit Hand Microphones C D Digital Audio Panel (DAP) SATCOM Cockpit Phone	re ERJ 170/ERJ 190 The Sence ITEM DIMMUNICATIONS Flight Deck Headsets/ Headphones Headset Boom Microphones Active Noise Cancelling/ Reduction Function Cockpit Hand Microphones C - Digital Audio Panel (DAP) SATCOM Cockpit Phone I Repri 2. II 2. II 2. II 2. II 2. II 3. II 4. II 5. II 6. II 7. II 8. II 8. II 9. I	Repair of 2.1 Num 3.1	Revision 18 Revision 18 Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 4. Remarks and/or exce					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	ERJ 170/ERJ 190				Revision 18	Page 24-1					
			Rep	air c	category	21					
Syster Seque				Num	nber installed						
No.				3. I	Number required for dispatch						
					4. Remarks and/or exception	S					
24 ELI	ECTRICAL POWER	1	1	1	I						
00-00	Electrical Synoptic Displays (MFD Electrical Page)	С	2	0	(O) MFD Indications not addressed elsewhere in MMEL may be inoperativ						
00-01	IDG Disconnect LED (Overhead Panel)	С	2	0							
00-05	Batteries 1 and 2 Voltage Indication on MFD Status Page										
-A		С	4	2	One indication per batter may be inoperative.	у					
-B		C	4		(M) May be inoperative provided: a) Battery voltage indicates is available on MFD Electrical Page, and b) Affected battery voltage checked on MFD Electrical Page during each power.	ge is ctrical					

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Airplan					Revision 18	Page					
	ERJ 170/ERJ 190		Rep	air c	category	24-2					
Syster Seque					nber installed						
Seque No.				3. Number required for dispatch							
		<u> </u>			4. Remarks and/or exception	s					
24 ELI	ECTRICAL POWER	1	1		<u> </u>						
21-01	Engine Driven Generator (IDG, GCU, GLC)										
-01	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000					 					
-A	Airplanes not certified for Extended Operations	Α	2	1	 (O) One may be inoperal provided: a) APU generator operal normally and is used throughout the flight, b) Affected IDG is disconnected and renselected OFF, c) Flight is conducted at below FL 330, and d) Repairs are made with flight days. 	tes 					
-B	Airplanes certified for Extended Operations	A	2	1	 (O) Except for ER operatione may be inoperative provided: a) APU generator operation normally and is used throughout the flight, b) Affected IDG is disconnected and renselected OFF, c) Flight is conducted at below FL 370, and d) Repairs are made with flight days. (Continued) 	tes					

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Airplan					Revision 18	Page						
	ERJ 170/ERJ 190		Ren	air c	ategory	24-3						
Syster Seque			2. Number installed									
Seque No.				3. 1	Number required for dispatch							
					4. Remarks and/or exception	S						
24 ELI	ECTRICAL POWER	1	1	1	I							
21-01	Engine Driven Generator (IDG, GCU, GLC) (Continued)											
-02	EMBRAER 190-E2/ 195-E2	В	2	1	 (O) Except for ER operatione may be inoperative provided: a) APU generator operation normally and is used throughout the flight, b) Affected IDG is disconnected and renselected OFF, and c) Flight is conducted at below FL 390. 	į tes nains						
22-01	APU Generator System (APU GEN, AGCU, ALC)	С	1	0	Except for ER operations may be inoperative provi APU generator remains selected off.							
24-00	Static Inverter (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	1	0	(O) May be inoperative provided the APU general operates normally and is on takeoff and landing.							
36-10	Batteries 1 and 2 Temperature Sensors	С	4	2	One sensor per battery no be inoperative provided a least one temperature indication of associated battery on Electrical Sync Display (MFD Electrical Fis verified to operate non before each flight.	optic Page)						

	MASTER MINIMUM EQUIPMENT LIST											
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	ERJ 170/ERJ 190		Ren	air c	ategory	24-4						
Syster Seque					ber installed							
No.				3. 1	Number required for dispatch							
04 51 1	TOTRICAL BOWER		<u> </u>		4. Remarks and/or exception	<u>s</u>						
24 ELI	ECTRICAL POWER	1	1	1								
41-00	DC External Power System	D	1	0								
-01	DC GPU AVAIL Pushbutton Light on DC GPU Panel	D	1	0	(O) May be inoperative provided alternate procedure established and used							
-02	DC GPU IN USE Pushbutton Light on DC GPU Panel	D	1	0	(O) May be inoperative provided alternate procedure established and used							
42-00	AC External Power System											
-A	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	С	1	0	(M) May be inoperative provided the system is deactivated.	I						
-B	EMBRAER 190-E2/ 195-E2	С	1	0								
-01	AC GPU AVAIL Pushbutton Lights on Overhead Panel	С	1	0	(O) May be inoperative provided alternate procedure established and used							
-02	AC GPU IN USE Pushbutton Lights on Overhead Panel	С	1	0	(O) May be inoperative provided alternate proceare established and used							
-03	AC GPU AVAIL Light on Galley AC GPU Panel	С	1	0	(O) May be inoperative provided alternate procedure established and used							
-04	AC GPU IN USE Light on Galley AC GPU Panel	С	1	0	(O) May be inoperative provided alternate procedure established and used							
-05	AC GPU AVAIL Light on GPU Panel	С	1	0	(O) May be inoperative provided alternate procedure established and used							
					(Continued)							

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Airplan	e ERJ 170/ERJ 190				Revision 18	Page 24-5				
			Repa	air c	ategory	24-5				
Syster Seque				Number installed						
No.				3. 1	3. Number required for dispatch					
24 EL I	ECTRICAL DOWER		<u> </u>	<u> </u>	4. Remarks and/or exception	<u>s</u>				
Z4 ELI	ECTRICAL POWER									
42-00	AC External Power System (Continued)									
-06	AC GPU IN USE Light on GPU Panel	С	1	0	(O) May be inoperative provided alternate procedare established and used					
-07	External AC Power Receptacle Shield	С	1	0	(M) May be cracked or damaged provided rema shield prevents misaligne GPU connection.					
42-01	External Power Module (EMBRAER 190-E2/ 195-E2)									
-01	Airplanes without DC External Power System installed									
-A		С	1	0	May be inoperative provi AC External Power Syste considered inoperative.					
-B		С	1	0	 (M) May be inoperative provided: a) External Power Moduremoved, and b) AC External Power Sisconsidered inoperation (Continued) 	ystem				

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/E	R.I 190	Revision 18								
_			Re	pai	r ca	ategory	24-6				
Syster Seque					per installed	-					
Seque No.		IVI		3		umber required for dispatch					
						4. Remarks and/or exceptions	<u> </u>				
24 ELI	ECTRICAL PO	WER			- 1						
42-01	External Pow Module (EMBRAER 1 195-E2) (Continued)										
-02	Airplanes with External Pow System instal	er									
-A		C	1	1 (May be inoperative provious) AC External Power System is considered inoperation b) DC External Power System is considered inoperative. 	/stem				
-B		C				 (M) May be inoperative provided: a) External Power Modu removed, b) AC External Power Sy is considered inoperation c) DC External Power System is considered inoperative. 	/stem				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan		RJ 170/ERJ 190				Revision 18	Page 24-7			
		.KS 170/EKS 190		Repa	air c	ategory	24-1			
Syster Seque		ITEM			Num	ber installed				
No		III EIWI			3. 1	Number required for dispatch				
04.51		NOAL DOWED		<u> </u>		4. Remarks and/or exception	S			
24 EL	ECIF	RICAL POWER	1	ı	ı	<u> </u>				
52-01		uit Breaker itoring System	В	1	0	 (M) May be inoperative provided: a) If a thermal Circuit Brais affected, its monitor verified to be inoperated to be inoperated to be inoperated to operate not or deferred according the applicable MMEL entry, and c) A visual inspection of affected Circuit Break performed prior to the flight of each day. 	r is tive, ith rmally to the ter is			
52-03	Ente Syst Shu (EM 170/	ertainment tem (IFE) Auto tdown Function BRAER 175/190/195/ EAGE 1000)	С	1		(O) May be inoperative provided IFE Button is ve operative before each flig				

	MASTER MINIMUM EQUIPMENT LIST											
Airplan					Revision 18	Page						
	ERJ 170/ERJ 190		2an	air c	eatenory	24-8						
Syster			1. Repair category 2. Number installed									
Seque No.				3. 1	Number required for dispatch							
					4. Remarks and/or exception	S						
24 ELI	ECTRICAL POWER	1										
54-00 ***	Electrical Outlets											
-01	Cockpit AC Electrical Outlet											
-A		С	-	0	(O) May be inoperative provided alternate proce are established and used							
-B		D	-	0	May be inoperative provious operations do not require use.							
-02	Avionics Compartment Electrical Outlet	D	-	0								
-03	Galley/Wardrobe Electrical Outlet	D	-	0								
-04	Aft Baggage Compartment Electrical Outlet (LINEAGE 1000)	D	-	0								
-05	Cabin AC Electrical Outlets	D	-	0								
61-02	Secondary Power Distribution Assembly (EMBRAER 190-E2/ 195-E2)											
-01	System Faults	В	-	-	Except for ER operations may be dispatched with FAULT Advisory EICAS message displayed.							

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				Revision 18	Page 25-1				
		Repa	l epair category						
			Num	ber installed					
			3. 1						
UIPMENT/FURNISHIN	IGS	3		4. Remarks and/or exceptions	<u> </u>				
				NA I i					
Indicator	C	1	U	missing.					
Cockpit Convenience Item(s) (except for operators with NEF Program approved)	D	-	0	Cockpit convenience item expressed in this MMEL at those items related to crewmember convenience comfort such as, but not limited to: cup holders, ashtrays, footrests, etc. It addressed elsewhere in the document shall not be included.	are e or tems				
Chart Holder									
	С	-	2	May be inoperative or mi- provided one is available each pilot station.					
	D	-	0	May be inoperative or mi- provided operations do n require its use.					
Pilot Seats									
Vertical Power Seat Adjustment Systems									
	C	2	0	 (M) May be inoperative provided: a) Affected system is deactivated, and b) Vertical manual seat adjustment system operates normally. (Continued) 					
	ERJ 170/ERJ 190 M & NOTE OF THE MINITY OF T	ERJ 170/ERJ 190 m & ITEM UIPMENT/FURNISHINGS Eye Position Indicator Cockpit Convenience Item(s) (except for operators with NEF Program approved) Chart Holder Chart Holder Chart Holder Chart Holder Chart Holder Chart Holder	ERJ 170/ERJ 190 m & nce ITEM UIPMENT/FURNISHINGS Eye Position Indicator Cockpit Convenience Item(s) (except for operators with NEF Program approved) Chart Holder C Pilot Seats Vertical Power Seat Adjustment Systems	ERJ 170/ERJ 190 m & ITEM ITE	Revision 18 Revision 18 R				

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	ERJ 170/ERJ 190	1 1	Ran:	air c	ategory	25-2					
System		•••		Number installed							
Seque No.				3. 1							
			<u> </u>		4. Remarks and/or exceptions	5					
25 EQ	UIPMENT/FURNISHIN	IGS	3	ı	<u> </u>						
11-01	Pilot Seats (Continued)										
-01	Vertical Power Seat Adjustment Systems (Continued)										
-B		С	2	0	May be inoperative provided a) Affected seat has failed a position that permits normal pilot visibility, b) Full flight control movement is available and c) Seat is acceptable to affected crewmember	ed in					
-02	Vertical Manual Seat Adjustment Systems										
-A		С	2	0	May be inoperative provious vertical power seat adjust system operates normally	tment					
-B		С	2	0	 May be inoperative provious a) Affected seat has failed a position that permits normal pilot visibility, b) Full flight control movement is available and c) Seat is acceptable to affected crewmember 	ed in					
-03	Longitudinal Seat Adjustment Systems (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	2	0	May be inoperative provious backup system operates normally. (Continued)	ded 					

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Airplan	ERJ 170/ERJ 190				Revision 18	Page 25-3						
Syster	n &	1. I			ategory							
Seque			2. 1		ber installed Number required for dispatch							
No.				•								
25 FQ	UIPMENT/FURNISHIN	1G:	3		4. Remarks and/or exceptions	3						
			<u> </u>									
11-01	Pilot Seats (Continued)											
-04	Lateral Seat Adjustment Systems (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	2	0	May be inoperative provibackup system operates normally.	ded	I					
-05	Lumbar Supports Adjustments	С	2	0	May be inoperative proviseat is acceptable to affe crewmember.							
-06	Armrests	С	4	0	 (M) May be inoperative provided: a) Affected armrest is stored in the retracted position and b) Seat is acceptable to affected crewmember 	on,						
-07	Recline Functions	С	2	0	May be inoperative proviseat is acceptable to the affected crewmember.	ded						
-08	Headrests Adjustments	С	2	0	May be inoperative provi- seat is acceptable to the affected crewmember.	ded						
-09	Thigh Supports Adjustments	С	4	0	May be inoperative proviseat is acceptable to the affected crewmember.	ded						

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	ERJ 170/ERJ 190				Revision 18	Page 25-4					
		1. F	Repa	air c	ategory	25-4					
System				Num							
Sequend No.	ce ITEM			3. 1	Number required for dispatch						
			<u> </u>		4. Remarks and/or exception	s					
25 EQU	IIPMENT/FURNISHIN	1G	3	ı	<u> </u>						
(Observer Seat (Including Associated Equipment)	Α	1	0	May be ineperative provi	dod:					
-A		A		0	May be inoperative provi a) A passenger seat in the passenger cabin is meavailable to an inspect for the performance of official duties, and b) Repairs are made with two flight days.	he ade ctor of					
-B		Α	1	0	 May be inoperative provi a) Required minimum sa equipment (safety bel oxygen) is available, b) Seat is acceptable to inspector for the performance of official duties, and c) Repairs are made wit two flight days. 	afety It and the					
					NOTE 1: These provised intended to provide for occupancy the above sea an inspector with an inspector of the minimum sequipment (oxing and safety be functional and inspector determines the conditions to be acceptable.	rovide v of at by when safety kygen It) is I the					
					(Continued)						

MASTER MINIMUM EQUIPMENT LIST										
				Revision 1	8	Page 25-5				
		Repa	air c	ategory		I				
			Num	ber installed						
			3. I	Number requ	ired for dispatch					
•				4. Remarks	and/or exception	s				
UIPMENT/FURNISHI	NG:	<u> </u>	1	1						
Observer Seat (Including Associated Equipment) (Continued)										
(Continued)				NOTE 2:	The pilot-in- command will determine if the minimum safe equipment is functional for persons author to occupy the observer seat	ne ety other orized				
Sun Visors				Deleted, F	Revision 18.					
Direct Vision Window Sunshades				Deleted, F	Revision 18.	I				
Crew Baggage Stowage Straps in the Cockpit	D	-	0	provided of	crew baggage i					
	ERJ 170/ERJ 190 M & NITEM UIPMENT/FURNISHIN Observer Seat (Including Associated Equipment) (Continued) (Continued) Continued) Sun Visors Direct Vision Window Sunshades Crew Baggage Stowage Straps in	ERJ 170/ERJ 190 m &	ERJ 170/ERJ 190 m &	ERJ 170/ERJ 190 m &	Revision 1 The second state of the second sta	Revision 18 Revision 18 R				

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Airplane ERJ 170/ERJ 190				Revision 18	Page
	1 F	?en:	air c	ategory	25-6
System &				ber installed	
Sequence ITEM No.				Number required for dispatch	
NO.				4. Remarks and/or exception	s
25 EQUIPMENT/FURNISHIN	GS	3			
20-02 Overhead Storage Bin(s)/Cabin and Galley Storage Compartments/ Closets -A	С			(M) May be inoperative provided: a) Procedures are established to secure affected bin, comparts or closet in the closed position, b) Affected bin, compart or closet is prominent placarded DO NOT Uc) Any emergency equiplocated in affected compartment is consistent inoperative, and d) Affected bin, compart or closet is not used for storage of any items except for those permanently affixed. NOTE: For overhead bin no partitions are installed, the entitioverhead bin is considered inoperative.	ment ly SE, oment dered ment or

MASTER MINIMUM EQUIPMENT LIST										
Airplane	1.470/ED 1.400				Revision 18	Page				
EK	J 170/ERJ 190		Pan:	air c	ategory	25-7				
System &		' ' '			ber installed					
Sequence No.	ITEM				Number required for dispatch					
110.					4. Remarks and/or exception	s				
25 EQUIPME	NT/FURNISHI	NG	<u>S</u>							
Galley Comp Closet (Conti	/Cabin and r Storage artments/									
-B		С			 (M)(O) May be inoperative provided: a) For non-retractable deaffected door is removed. b) For retractable doors, affected door is removed in the retractive fully open) position, c) Affected bin, compart or closet is not used if storage of any items, except those permand affixed, d) Affected bin, compart or closet is prominent placarded "DO NOT to the procedures are established and used alert crewmembers at passengers of inoperabins, compartments of closets, and f) Passengers are briefed that affected bin, compartment or closed not used. (Continued) 	oors, ved, ved acted ment or ently ment ly JSE", to nd ative or				

	MASTER MI	<u> </u>	<u> 1U</u> N	ΙE			
Airplane	e ERJ 170/ERJ 190				Revision 1	18	Page 25-8
Cuatan	0	1. I	Repa	air c	ategory		
Syster Seque			2. 1		ber installed		
No.				3. 1		ired for dispatch	
					4. Remarks	and/or exception	S
25 EQ	UIPMENT/FURNISHIN	NG:	<u>S</u>	1	1		
20-02	Overhead Storage Bin(s)/Cabin and Galley Storage Compartments/ Closets (Continued)						
-B	(Continued)				NOTE 1:	For overhead if no partitions installed, the coverhead bin considered inoperative.	are entire
					NOTE 2:	Any emergence equipment local in the affected compartment closet (permanently affixed) is available for use.	eated I bin, or
-01 ***	Storage Compartment Key Locks	D	-	0	unlocked	pe inoperative in position provide be secured by	ed
20-03	Cabin/Galley Storage Latches (Dual Latch Installations)	С	-	-		per compartme operative.	ent
20-05	"Fasten Seat Belt While Seated" Signs or Placards (EMBRAER 170/175/190/195/ 190-E2/195-E2 LINEAGE 1000)	С	-	-	may be ille provided a placard is	ore signs or pla egible or missir a legible sign or readable from passenger sea	ng r each

	MAS	TER MIN	IIM	IUN	ΙE	QUIPMENT LIST	
Airplan		D 1 400				Revision 18	Page
	ERJ 170/E		1 6	?an:	air c	ategory	25-9
Syste			· · ·			ber installed	
Seque No		VI			3. 1	Number required for dispatch	
						4. Remarks and/or exception	<u>s</u>
25 EQ	UIPMENT/FUF	RNISHIN	GS	5		<u> </u>	
20-07	Passenger Convenience Item(s)	/ NEF				NOTE: Operators are to select either Passenger Convenience Iter NEF (Non- Esser Equipment and Furnishings) in the MELs.	ntial
-01	Passenger Convenience		D		0	Passenger convenience item(s), as expressed in MMEL, are those related passenger convenience, comfort, or entertainmen such as, but not limited to galley equipment, movie equipment, ash trays, ste equipment, overhead realamps. Items addressed elsewhere in this docume shall not be included. (M (O) procedures may be required and included in air carrier's appropriate document. NOTE: Exterior lavatory ashtrays are not considered convenience item (Continued)	to t o, ereo ading ent) and the

	MASTER MINIMUM EQUIPMENT LIST											
Airplan					Revision 18	Page						
	ERJ 170/ERJ 190		2an	air c	ategory	25-10						
Syster		'- '	2. 1	Num	ber installed							
Seque No.					Number required for dispatch							
110.					4. Remarks and/or exception	s						
25 EQ	<u> UIPMENT/FURNISHI</u>	NG	3	ı	<u> </u>							
20-07	Passenger Convenience / NEF Item(s) (Continued)											
-02	Non-Essential Equipment & Furnishings (NEF)		-	0	May be inoperative, dam or missing provided that item(s) is deferred in accordance with the operator's NEF deferral program. The NEF progr procedures, and process are outlined in the operation (insert name) Manual. (NO) procedures, if require must be available to the crew and included in the operator's appropriate document.	am, ees tors 1) and						
					NOTE: Exterior lavatory ashtrays are not considered NEF items.	door						
21-10	Passenger Seat(s) (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)	D	-	-	 (M) May be inoperative provided: a) Seat does not block a Emergency Exit, b) Seat does not restrict passenger from accesthe main aircraft aisle c) The affected seat(s) a blocked and placarde "DO NOT OCCUPY". (Continued) 	any ss to , and are						

	MASTER MINIMUM EQUIPMENT LIST												
Airplane	ERJ 170/ERJ 190				Revision 18 Page 25-11								
_			Repa	air c	ategory		20-11						
Systen Seque				Num	ber installed								
No.				3. 1		ired for dispatch							
					4. Remarks	and/or exceptions	s						
25 EQ	UIPMENT/FURNISHIN	IGS	<u>S</u>	I	1								
21-10	Passenger Seat(s) (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000) (Continued)				NOTE 1:	A seat with an inoperative se belt is conside inoperative.	at						
					NOTE 2:	Inoperative se do not affect the required number Flight Attenda	he per of						
-01	Recline Mechanism				NOTE 3:	Affected seat(may include the seat(s) behind and/or adjaced outboard seat	ne I nt						
-01	Recline Mechanism												
-A		D	-	-	seat occu	ne inoperative a pied provided s on the full uprigh	eat is						
-В		D	-	-	occupied	operative and s provided seat b ble in full uprig	ack						
					(Continue	d)							

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			Ren	air c	ategory	25-12						
Syster Seque				Num	ber installed							
No.				3. I	Number required for dispatch							
					4. Remarks and/or exception	S						
25 EQ	UIPMENT/FURNISHI	NG	<u>S</u>	l	<u> </u>							
21-10	Passenger Seat(s) (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000) (Continued)											
-02	Underseat Baggage Restraining Bars	С	-	-	 (O) May be inoperative provided: a) Baggage is not stowe under seat with inoperestraining bar, b) Associated seat is placarded "DO NOT STOW BAGGAGE UNDER THIS SEAT" c) Procedures are established to alert C Crew of inoperative restraining bar. 	rative , and						
-03	Armrests											
-A	Armrest with Recline Mechanism	D	-	-	 (M) May be inoperative of missing and seat occupie provided: a) Armrest does not block Emergency Exit, b) Armrest does not rest any passenger from access to the main air aisle, and c) If armrest is missing, is secured in the full upright position. 	ed ck an trict rcraft						

	MASTER MI	NIN	1UN	ΙE	QUIPMENT LIST		
Airplane	e ERJ 170/ERJ 190)			Revision 18	Page 25-13	
			Repa	air c	ategory	20-10	_
System					ber installed		
Seque No.				3. I	Number required for dispatch		
					4. Remarks and/or exception	s	
25 EQ	<u> UIPMENT/FURNISHII</u>	NG	<u> </u>	1	Ī		
21-10	Passenger Seat(s) (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000) (Continued)						
-03	Armrests (Continued)						
-B	Armrest without Recline Mechanism	D	-	-	May be inoperative or mi and seat occupied provic a) Armrest does not bloc Emergency Exit, and b) Armrest does not rest any passenger from access to the main air aisle.	ded: ck an trict	
-04	Seat Translation Mechanism (LINEAGE 1000)	С	-	0	(M) May be inoperative provided seat is positioned and secured in the appropriate position for Takeoff and Landing.		
-05 ***	Headrest Adjustments	D	-	-	May be inoperative and soccupied provided headr remains in the stowed position.		

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Airplan					Revision 18	Page							
	ERJ 170/ERJ 190		Dan	oir o	ategory	25-14							
Syster			2. I	Num	iber installed								
Seque No.					Number required for dispatch								
140	•				4. Remarks and/or exceptions	s							
25 EQ	UIPMENT/FURNISHI	NG:	3										
21-20	Flight Attendant Seat Assembly (Single or Dual Position)												
-01	Required Flight Attendant Seats (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)					 							
-A		В			 (M)(O) One seat position assembly may be inoperative. a) Affected seat position assembly is not occup by Flight attendant(s) displaced by inoperative seat(s) occupies either adjacent flight attendant seat or the passenger which is most accessing the inoperative seat(s) as to most effectively perform assigned duting the company of the published and used published in crewment manuals, d) Folding type seat stown automatically or is seen in the retracted position and e) Passenger seat assigned to flight attendant is placarded "FOR FLIG ATTENDANT ONLY". (Continued) 	or pied, ive er an ant seat ble to), so ses, are as anber evs cured on, ned							

	MASTER M	NIN	1UN	ΙE	QUIPMEN	T LIST	
Airplane					Revision '	18	Page
	ERJ 170/ERJ 190		Ren	air c	ategory		25-15
Syster Seque				Num	ber installed		
No.				3. 1		ired for dispatch	
25 50	HIDMENT/ELIDNICHH	NO		<u> </u>	4. Remarks	and/or exception	<u>s</u>
25 EQ	UIPMENT/FURNISHI	NG:	<u> </u>				
21-20	Flight Attendant Seat Assembly (Single or Dual Position) (Continued)						
-01	Required Flight Attendant Seats (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000) (Continued)						
-A	(Continued)				NOTE 1:	An automatic folding seat the will not stow automatically considered inoperative.	
					NOTE 2:	A seat positio an inoperative missing restra system is considered inoperative.	e or
					(Continue	ed)	

		MASIER	<u> IVIIIVII</u> V	IUI	<u>/I E</u>	QUIPMEN	II LIST	
Airplan		I 170/ERJ 1	۵۸			Revision	18	Page
	ERJ	11/U/ERJ 1		Ren	air c	ategory		25-16
Syster Seque		ITEM	' ' '			ber installed	d	
No.		II LIW			3. 1		uired for dispatch	
25 EO	IIIDMEN	NT/FURNISI				4. Remarks	and/or exception	ns
<u> </u>	OIFWILI	11/1 UKNISI	illivo.	<u>,</u> 				
21-20	Seat As							
-01	Attenda (EMBR 170/17 190-E2	5/190/195/ 2/195-E2/ GE 1000)						
-A	(Contin	ued)				NOTE 3:	Individual operators, who operating wit inoperative s will consider locations and combinations seats to ensure that the proxito exits and distribution requirements applicable locations a met.	h eats, the discording the discordin
						NOTE 4:	If one side of dual seat assis inoperative flight attenda displaced to adjacent sea adjacent sea operate norm	sembly a and a ant is the t, the t must
						(Continue	ed)	

	IN I IN	IUN	/	QUIPMENT LIST	
D I 470/ED I 400				Revision 18	Page
ERJ 170/ERJ 190	_	2an	air c	ategory	25-17
ITEM			Num	ber installed	
			3. 1	Number required for dispatch 4. Remarks and/or exception	<u> </u>
MENT/FURNISHII	NG			4. Nemarks and/or exception	3
nt Attendant t Assembly gle or Dual ition) ntinued) juired Flight ndant Seats	NGS				
/175/190/195/ -E2/195-E2/ EAGE 1000) ntinued)					
	C	-	0	 (M)(O) May be missing of inoperative provided: a) No passengers are can be a maximum of 19 per are carried as authority by local regulations for non-passenger-carryity operations, c) Inoperative folding types seat stows automatical is secured in the retrations, and d) Alternate procedures established and used (Continued) 	arried, sons zed or ng oe ally or acted

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	ERJ 170/ERJ 190	1			Revision 1	8	Page 25-18				
			Repa	air c	ategory		25-10				
Syster Seque				2. Number installed							
Seque No.				3. Number required for dispatch							
					4. Remarks	and/or exception	S				
25 EQ	<u> UIPMENT/FURNISHI</u>	NG:	<u>S</u>	I	1						
21-20	Flight Attendant Seat Assembly (Single or Dual Position) (Continued)										
-02	Excess Flight Attendant Seats (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)	С	-	-	provided: a) Affecte assem and b) Folding automa	e inoperative ed seat position bly is not occup g type seat stov atically or is secretracted position	oied, 				
					NOTE 1:	An automatic folding seat th will not stow automatically considered inoperative.					
					NOTE 2:	A seat position an inoperative missing restration considered inoperative.	e or				
-03	EMBRAER 190 FREIGHTER	D	1	0	seat is not	operative provi t occupied.	ded				

	MASTER MINIMUM EQUIPMENT LIST										
Airplan					Revision 18	Page					
	ERJ 170/ERJ 190		Pan:	air c	ategory	25-19					
Syster					Number installed						
Seque No.				3. Number required for dispatch							
					4. Remarks and/or exception	s					
25 EQ	<u> UIPMENT/FURNISHIN</u>	1G	<u>} </u>	1	<u> </u>						
22-04	Passenger Service Unit (PSU) Test/Reset Function (EMBRAER 170/175/190/195/ 190-E2/195-E2)	С	2	0	(O) May be inoperative provided alternate proceare established and used						
23-16	Powered Window Shades (LINEAGE 1000)	D	-	0	(M) May be inoperative provided the system is deactivated.						
25-00	Flight Attendant Panels (FAP)										
-01	Forward FAP										
-A	EMBRAER 170/175/190/195	В	1	0	 (O) May be inoperative provided: a) Aft FAP is operative, b) Passenger Service U (PSU) Test/Reset Furities considered inoperation c) Lavatory Smoke Test Switches are considered inoperative, and d) Alternate procedures established and used 	nction tive, red are					
					NOTE: Any function on t FAP which opera normally may be	ites					
-B	EMBRAER 190 FREIGHTER	С	1	0	May be inoperative provi alternate procedures are established and used to illuminate the FWD entra area and FWD galley are	 ince					
					(Continued)						

	MASTER MINIMUM EQUIPMENT LIST										
Airplan					Revision 18	Page					
	ERJ 170/ERJ 190		Ren	air c	ategory	25-20					
Syster				Num	ber installed						
Seque No.				3. Number required for dispatch							
27.50					4. Remarks and/or exception	S					
25 EQ	UIPMENT/FURNISHI	NG:	<u>5</u>		1						
25-00	Flight Attendant Panels (FAP) (Continued)										
-01	Forward FAP (Continued)										
-C	EMBRAER 190-E2/ 195-E2	С	1	0	(O) May be inoperative provided alternate procedure established and used						
					NOTE: Any function on t FAP which opera normally may be	ites					
-02	Aft FAP										
-A	EMBRAER 170/175/190/195	В	1	0	 (O) May be inoperative provided: a) Forward FAP is opera and b) Water & Waste Syste Indications are considinoperative, and c) Alternate procedures established and used 	m lered are					
					NOTE: Any function on t FAP which opera normally may be	ites					
-B	EMBRAER 190-E2/ 195-E2	С	1	0	(O) May be inoperative provided: a) Water and Waste Indications on CMS a considered inoperative and b) Alternate procedures established and used NOTE: Any function on t	e, are he					
					FAP which opera normally may be						

MASTER MINIMUM EQUIPMENT LIST									
				Revision 18	Page				
		Ren	air c	ategory	25-21				
	•••								
		3. Number required for dispatch							
				4. Remarks and/or exception	S				
UIPMENT/FURNISHI	NG	3	ı	<u> </u>					
Drop-Down Window on Aft Cabin Divider (EMBRAER 170/175/190/195/ 190-E2/195-E2)	D	-	0	(M) May be inoperative provided Drop-Down Wir is removed or secured in down position.					
Galley Waste Receptacles Access Doors/Covers	С	-	-	 (M)(O) May be inoperative provided: a) The container is empty the access is secured prevent waste introduction into the compartment b) Procedures are established to ensure sufficient galley waste receptacles are availate to accommodate all withat may be generate a flight. 	ty and I to oction , and that e able vaste				
Wheelchair Restraint System (EMBRAER 170/175/190/195/ 190-E1/195-E2/ LINEAGE 1000)	D	-	-	Any in excess of those required by local regulati may be inoperative or missing.	ons 				
Exterior Lavatory Door Ashtrays									
Airplanes with more than one exterior lavatory door ashtray installed	A	_	-	One may be missing proit is replaced within 10 calendar days.	vided				
Airplanes with only one exterior lavatory door ashtray installed	A	1	0	May be missing provided replaced within 3 calendarys.					
	ERJ 170/ERJ 190 M & NCE ITEM UIPMENT/FURNISHI Drop-Down Window on Aft Cabin Divider (EMBRAER 170/175/190/195/190-E2/195-E2) Galley Waste Receptacles Access Doors/Covers Wheelchair Restraint System (EMBRAER 170/175/190/195/190-E1/195-E2/LINEAGE 1000) Exterior Lavatory Door Ashtrays Airplanes with more than one exterior lavatory door ashtray installed Airplanes with only one exterior lavatory door ashtray	Wheelchair Restraint System (EMBRAER 170/175/190/195/190-E2/195-E2) Galley Waste Receptacles Access Doors/Covers Wheelchair Restraint System (EMBRAER 170/175/190/195/190-E1/195-E2/LINEAGE 1000) Exterior Lavatory Door Ashtrays Airplanes with more than one exterior lavatory door ashtray installed Airplanes with only one exterior lavatory door ashtray Mare and the serior lavatory door ashtray with only one exterior lavatory door ashtray	Wheelchair Restraint System (EMBRAER 170/175/190/195/190-E2/195-E2) Cors/Covers Wheelchair Restraint System (EMBRAER 170/175/190/195/190-E2/195-E2/LINEAGE 1000) Exterior Lavatory Door Ashtrays Airplanes with more than one exterior lavatory door ashtray installed Airplanes with only one exterior lavatory door ashtray door ashtray	Second S	Revision 18 Revision 18 Revision 19 Revision 19 Revision 18 Revision 19 Revision 19 Revision 18 Revision 18 Revision 19 Revision 19 Revision 19 Revision 18 Revision 19 Revision 19 Revision 18 Revision 19 Revision 19 Revision 18 Revision 19 R				

		MASILIN	141114114	IUI	/I L	QUIPMENT LIST	
Airplan		J 170/ERJ 1	90			Revision 18	Page 25-22
		, 170/LIXO 1		Rena	air c	ategory	20-22
Syste						ber installed	
Seque		ITEM				Number required for dispatch	
No	•					4. Remarks and/or exceptions	3
25 EQ	UIPMEN	NT/FURNISI	HINGS	3			
45-01		ry Waste Irtment Dooi	С	-	-	(M)(O) May be inoperative provided: a) Associated lavatory we container is empty, and b) Associated lavatory entrance door is locked closed and placarded: "INOPERATIVE – DOENTER".	aste d ed NOT
						NOTE: These provisos a not intended to prohibit lavatory u or inspection by crewmembers.	
45-02	Lavator Contain	ry Waste ner	С	-	0	 (M)(O) For each lavatory lavatory waste bin may binoperative or missing provided: a) Crewmembers are briand do not use the law waste receptacle, and b) Associated lavatory disecured closed and placarded: "INOPERA – DO NOT ENTER". 	e efed vatory oor is
						NOTE: These provisos a not intended to prohibit lavatory u or inspections by crewmembers.	
60-00	Crash /	Axe	D	-	-	Any in excess of those required by local regulation may be inoperative or missing.	ons

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	ERJ 170/ERJ 190				Revision 18	Page 25-23					
_		1. I	Repa	air c	ategory	25-25					
Systen Seque			2. Number installed								
No.				3. Number required for dispatch							
					4. Remarks and/or exception	S					
25 EQ	<u> UIPMENT/FURNISHIN</u>	1GS	<u> </u>	1	I						
61-00	Emergency Locator Transmitter (ELT)										
-01 ***	Survival Type ELT (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)	D	-	-	Any in excess of those required by local regulati may be inoperative or missing.	ons 					
-02	Fixed ELTs										
-A		А	-	0	(M) May be inoperative provided:a) System is deactivatedb) Repairs are made wit 90 days.						
-B		Α	-	0	May be missing provided repairs are made within 9 days.						
-C		D	-	-	(M) Any in excess of those required by local regulation may be inoperative proving system is deactivated.	ons					
-D		D	-	-	Any in excess of those required by local regulati may be missing.	ons					

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Airplan					Revision 18	Page		
	ERJ 170/ERJ 190		Pan:	air c	eategory	25-24		
Syster		' '	. Repair category 2. Number installed					
Seque No.				3. 1	Number required for dispatch			
					4. Remarks and/or exception	S		
25 EQ	<u> UIPMENT/FURNISHI</u>	NG	<u> </u>		1			
62-01	Emergency Medical Equipment (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)							
-01 ***	Automatic External Defibrillator (AED) and/or Associated Equipment							
-A		A	-	0	(O) May be incomplete, missing or inoperative provided: a) AED is resealed in a manner that will ident as a unit that cannot mistaken for a fully serviceable unit, and b) Repairs or replaceme are made within 3 flig cycles.	be ents		
-B		D	-		Any in excess of those required by local regulati may be incomplete, miss inoperative. (Continued)			

	MASTER M	ININ	1UN	ΛE	QUIPMENT LIST	
Airplan	ERJ 170/ERJ 190)			Revision 18	Page 25-25
Syster		_			ategory	
Seque			2. 1		ber installed	
No.				3. 1	Number required for dispatch 4. Remarks and/or exception	
25 EQ	UIPMENT/FURNISHI	NG	3			-
62-01	Emergency Medical Equipment (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000) (Continued)					
-02	Emergency Medical Kit (EMK) and/or Associated Equipment					
-A		A	-	0	 (O) May be incomplete, missing or inoperative provided: a) EMK is resealed in a manner that will ident as a unit that cannot be mistaken for a fully serviceable unit, and b) Repairs or replacemeare made within 3 flig cycles. 	nts
-B		D	-	-	Any in excess of those required by local regulati may be incomplete, miss inoperative. (Continued)	

	MASTER M	ININ	1UN	ΙE	QUIPMENT LIST			
Airplan					Revision 18	Page		
	ERJ 170/ERJ 190	_	Ran:	25-26				
Syster		' '	1. Repair category 2. Number installed					
Seque No.				3. 1	Number required for dispatch			
					4. Remarks and/or exceptions	s		
25 EQ	UIPMENT/FURNISHI	NG	<u>S</u>	<u> </u>				
62-01	Emergency Medical Equipment (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000) (Continued)							
-03	First Aid Kit (FAK) and/or Associated Equipment							
-A		Α	-	0	 (O) If more than one is required by local regulationly one of the required laws be incomplete, missinoperative provided: a) FAK is resealed in a manner that will ident as a unit that cannot be mistaken for a fully serviceable unit, and b) Repairs or replaceme are made within 3 flig cycles. 	FAKs ing or ify it be nts		
-B		D	-	-	Any in excess of those required by local regulati may be incomplete, miss inoperative.			

Airplane		IIVIIV	IUN	<u>// C</u>	QUIPMENT LIST Revision 18	Page
•	ERJ 170/ERJ 19	0				25-27
Systen	n &	1. I			ategory	
Seque			2. 1		ber installed	
No.				З. Г	Number required for dispatch 4. Remarks and/or exception	•
25 EO	UIPMENT/FURNISHI	NG			4. Kemarks and/or exception	3
3 EQ	UIFINIEN I/FURNISHI	ING	<u> </u>			
32-03	Megaphones (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)					
-A		D	-	-	Any in excess of those required by local regulati may be inoperative or mi provided: a) Inoperative megapho removed from the passenger cabin, b) Associated placard is removed or obscured c) Required distribution maintained.	issing ne is , and
-B		С	-	0	 (O) May be missing or inoperative provided: a) No passengers are cannot be a maximum of 19 per are carried as authorical by local regulations for non-passenger-carryical operations, and c) Alternate procedures established and used 	rsons zed or ng are
32-05	Pyrotechnic Signal Devices (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)	D	-	-	Any in excess of those required by local regulati may be inoperative or missing.	ons

	MASTER MINIMUM EQUIPMENT LIST										
Airplan					Revision 18	Page					
	ERJ 170/ERJ 190		Ran:	air c	ategory	25-28					
Syster					mber installed						
Seque No.				3. 1	Number required for dispatch						
110.					4. Remarks and/or exception	s					
25 EQ	<u> UIPMENT/FURNISHII</u>	NGS	3		1						
62-07	Flight Deck/ Attendant Flashlight and Holder Assembly										
-01	Flashlight										
-A		С	-	-	May be inoperative or mi provided crewmember assigned to associated shas a flashlight with equivalent characteristics readily available.	eat					
-B		С	-	0	 (O) May be missing or inoperative provided: a) No passengers are cab) A maximum of 19 per are carried as authoriby local regulations for non-passenger-carryioperations, and c) Alternate procedures established and used 	rsons zed or ng are					
-02	Holder Assembly	С	-	-	May be inoperative or mi provided associated flasl is stowed and its battery charged by alternate me	hlight					
62-09 ***	Overwing Emergency Exit Doors Lifeline (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)	D	-	0	May be inoperative or mi provided airplane is not operated on extended overwater flights.	ssing					

	MASTER MINIMUM EQUIPMENT LIST									
Airplane	e ERJ 170/ERJ 190				Revision 18	Page 25-29				
			Rep	air c	ategory	25-29				
Syster Seque			2. Number installed							
No.				3. I	Number required for dispatch					
0	UDMENT/FUDMOUM				4. Remarks and/or exception	S				
25 EQ	UIPMENT/FURNISHIN	NG:	<u>5</u>	ı						
64-00	Autonomous Distress Tracking (ADT) System (EMBRAER 190-E2/ 195-E2)									
-01	System Faults					- 1				
-A		A	-	-	(O) May be dispatched w DISTRESS FAULT Advis EICAS message provide a) ELT-DT is verified to operate normally, and b) Repairs are made wit 90 consecutive calendays.	sory d:				
-B		A	-	-	 (M)(O) May be dispatched with DISTRESS FAIL. Advisory EICAS message provided: a) ELT-DT is verified to operate normally each flight day, b) ADT Module is deactivated, and c) Repairs are made with 90 consecutive calend days. 	e h h hin				
-C		A	-	-	(M) May be dispatched with DISTRESS FAIL Advisor EICAS message provide a) ELT-DT is deactivated and b) Repairs are made with 90 consecutive calendays. (Continued)	ry d: d, hin				

		MASTER M	ININ	/UN	ΙE	QUIPMENT LIST	
Airplan		170/ERJ 19	n			Revision 18	Page 25-30
01		ITUIENS 19		Rep	air c	ategory	25-30
Syster Seque		ITEM			Num	ber installed	
No					3. 1	Number required for dispate 4. Remarks and/or excepti	
25 EQ	UIPMEN	IT/FURNISH	NG	S	l		
	Autono Distress (ADT) S	mous s Tracking System AER 190-E2/)					
-01	System (Contin						
-D			A			 (M) May be dispatched DISTRESS FAIL Advis EICAS message provious) ELT-DT is removed the aircraft, b) Placard stating "EL installed" is placed of the pilot, and c) Repairs are made to 90 consecutive cale days. 	sory ded: from T not in view vithin

		MASTER N	IININ	1UN	ΙE	QUIPMENT LIST	
Airplan		450/50 1.40	_			Revision 18	Page
	ERJ	170/ERJ 19	_	200	-l	nata a a m	25-31
Syste			1.1			ategory ber installed	
Seque No		ITEM				Number required for dispatch	
NO	•					4. Remarks and/or exception	
25 EQ	UIPMEN	T/FURNISH	ING	3			
65-00 -A	Emerge Evacua System EMBRA	tion Slides	С	_	1	(M)(O) May be missing o	or l
-A	170/175 190-E2/	6/190/195/ /195-E2/ GE 1000				inoperative provided: a) No passengers are c b) A maximum of 19 per are carried as author by local regulations for non-passenger-carry operations, c) Each person has unobstructed access their seat to an operative exit, either regular or emergency, d) Inoperative exits are conspicuously identification inoperative, e) Any Emergency Exit and floor proximity liguity associated only with inoperative exits are covered to obscure the sign and lights, f) Safety briefing includ location of the inoper exit(s) and instruction to use the inoperative exit(s), and g) Alternate procedures established and used (Continued)	arried, rsons ized or ing from ative ied as sign yhts the es the ative are

_					QUIPMENT LIST	Dawa I
е	ERJ 170/ERJ 190				Revision 18	Page 25-32
0			Repa	air c	ategory	
	ITFM		2. 1			
				3. 1		
	MENT/FURNIOUS				4. Remarks and/or exception	S
UIP	MEN I/FURNISHIN	NG:	<u> </u>	1	<u> </u>	
Ev:	acuation Slides stem					
		Α	4	3	missing provided: a) Associated door is considered inoperativ Refer to item 52-00-0 Passenger and Service Doors, and	e. 0 ce
		A	6	5	missing provided: a) Associated door is considered inoperativ Refer to item 52-00-0 Passenger and Service Doors or item 52-21-0 Overwing Emergency Door, and b) Repairs are made with five flights. NOTE: For EMBRAER 195-E2, if the Overwing Emergency Evacuation Slide System is inoperations and the consider both Overwing Emergency Emerge	e. 0 ce 00 Exit hin ency ative,
	EW EV 170	ERJ 170/ERJ 190 m & ence ITEM	ERJ 170/ERJ 190 m & ITEM DUIPMENT/FURNISHINGS Emergency Evacuation Slides System (Continued) EMBRAER 170/175/190/195 EMBRAER 190-E2/ A	ERJ 170/ERJ 190 m & ITEM DUIPMENT/FURNISHINGS Emergency Evacuation Slides System (Continued) EMBRAER 170/175/190/195 EMBRAER 190-E2/ A 6	ERJ 170/ERJ 190 m &	ERJ 170/ERJ 190 m & ance ITEM 1. Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exception 2. Remarks and/or exception 3. Number required for dispatch 4. Remarks and/or exception 5. Continued 6. Continued 7. Continued 8. Cone may be inoperative missing provided: 9. Associated door is considered inoperative Refer to item 52-00-0 Passenger and Service Doors, and 9. Repairs are made with five flights. EMBRAER 190-E2/ 195-E2 A 6 5 One may be inoperative missing provided: 9. Associated door is considered inoperative Refer to item 52-00-0 Passenger and Service Doors or item 52-21-0 Overwing Emergency Door, and 9. Repairs are made with five flights. NOTE: For EMBRAER 195-E2, if the Overwing Emergency Evacuation Slide System is inoperation consider both Overwing Emergency Evacuation Slide System is inoperation since the consider both Overwing Emergency Evacuation Slide System is inoperation since the consider both Overwing Emergency Evacuation Slide System is inoperation since the consider both Overwing Emergency Evacuation Slide System is inoperation since the consider both Overwing Emergency Evacuation Slide System is inoperation since the consider both Overwing Emergency Evacuation Slide System is inoperation since the consider both Overwing Emergency Evacuation Slide System is inoperation since the consider both Overwing Emergency Evacuation Slide System is inoperation since the consider both Overwing Emergency Evacuation Slide System is inoperation since the consider both Overwing Emergency Evacuation Slide System is inoperation since the consider both Overwing Emergency Evacuation Slide System is inoperation since the consider both Overwing Emergency Evacuation Slide System is inoperation since the consider both Overwing Emergency Evacuation Slide System is inoperation since the considered inoperative missing provided:

		MASIERI	VIINIIV	IUI	/I E	QUIPMENT LIST	
Airplan		J 170/ERJ 19	20			Revision 18	Page 25-33
	LI.	J I/O/ERJ IS		2an	air c	ategory	25-33
Syster			' ' '			ber installed	
Seque		ITEM				lumber required for dispatch	
No.	•					4. Remarks and/or exceptions	S
25 EQ	UIPME	NT/FURNISH	lings	3			
66-00	Life Ja	ckets	D	-	-	 (M)(O) Any in excess of required may be inoperated or missing provided: a) Required distribution maintained, b) Inoperative life jacket its installed location a placarded inoperative c) Inoperative life jackets secured out of sight, and Procedures are established and used alert crewmembers of inoperative or missing equipment. 	and re s are and to
66-01 ***	190-E2						
-A			C	-	-	 (M)(O) Any in excess of trequired for the intended may be inoperative or mifor extended overwater fl provided: a) Required distribution maintained, b) Inoperative life raft an installed location are placarded inoperative c) When practical, the inoperative life raft is secured out of sight, and d) Procedures are established and used alert crew members of inoperative or missing equipment. (Continued) 	flight ssing ights is d its , and to f

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	ERJ 170/ERJ 190	`			Revision 18	Page 25-34					
	ENJ 170/ENJ 190		Ren	air c	ategory	25-34					
Syster		l		2. Number installed							
Seque No.					Number required for dispatch						
110.					4. Remarks and/or exception	s					
25 EQ	UIPMENT/FURNISHI	NGS	3	ı							
66-01	Life Raft (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000) (Continued)										
-B		D	-	-	 (O) May be inoperative of missing provided: a) Extended overwater for are not conducted, and b) Procedures are established and used alert crew members of inoperative or missing equipment. 	lights nd to of					
68-00	Low Frequency Underwater Locator Beacon (LF-ULB)	D	1	0	May be inoperative or mi provided airplane is not operated on extended overwater flights.	ssing					

Airplan	e	IVIASTERIVII	INIIN	IUN	/I C	QUIPMENT LIST Revision 18	Page
p		J 170/ERJ 190)				26-1
Syster	n 8		1. I			ategory	•
Segue		ITEM		2. 1		ber installed	
No					3. 1	Number required for dispatch 4. Remarks and/or exception	
26 EID	E DDO:	TECTION	<u> </u>	<u> </u>		4. Remarks and/or exception	>
20 FIN	EFRU	TECTION	1		1		
00-05	Smoke	Compartment Detection e Protection					
-01	System	n Faults					
-A	-		С	-	-	Except for ER operations may be dispatched with of FIRE PROT FAULT Adviced EICAS message provide animals are not carried in forward cargo compartments.	CRG sory d live n the
-B			С	-	-	(O) May be dispatched with CRG FWD (AFT) FIRE STAIL Caution EICAS meror CRG FIRE PROT FAU Advisory EICAS messag provided procedures are established and used to ensure the associated catcompartment remains eror is verified to contain of empty cargo handling equipment, ballast (balla may be loaded in ULDs), or Fly Away Kits.	SYS ssage JLT e argo npty, nly
						NOTE: Operator MELs no define which item approved for incling in the Fly Away kand which materican be used as ballast.	ns are usion (its,

Airplan	e	MASTER N				Revision 18	Page		
•		170/ERJ 19	0				26-2		
Syste	n &		1. I	1. Repair category					
Seque		ITEM		2. 1		ber installed			
No					3. 1	Number required for dispatch 4. Remarks and/or exceptions	<u> </u>		
26 EIE	E DDOT	ECTION				4. Nemarks and/or exceptions	<u> </u>		
20111	LIKOI	LOTION		l	l				
10-01	Detection	y Smoke on System GE 1000)							
-01	Fwd an Lavator	d Mid Cabin y							
-A			С	-	-	(M)(O) May be inoperative provided:			
						 a) Lavatory waste recep is empty, and b) Lavatory door is locked closed and placarded "INOPERATIVE - DOENTER". 	ed		
-B			С	-	-	May be inoperative proving a) Lavatory waste compartment fire extinguisher is operational and b) Operating rules do no require a smoke determine the province of the province	ive, t		
-02	VIP Cal	bin Lavatory	С	-	-	 (M)(O) May be inoperative provided: a) Lavatory waste receps is empty, and b) Lavatory door is locked closed and placarded "INOPERATIVE - DOENTER". 	tacle ed		
						NOTE: These provisos a not intended to prohibit lavatory to or inspections by crewmembers.	ıse		

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 1	90			Revision 18	Page 26-3					
Custon			1. Repair category								
Syster Seque			2. Number installed								
No.			Number required for dispatch Remarks and/or exceptions								
26 FIR	E PROTECTION				4. Remarks and/or exception	<u> </u>					
	Mid Cabin (IFE) Rack Smoke Detection System (LINEAGE 1000)	С	_	0	(M) May be inoperative provided: a) The IFE System is deactivated, and b) The SATCOM System deactivated.	n is					
12-00	APU Fire/Overheat Detection System	С	1	0	Except for ER operations may be inoperative provided APU is not used.						
13-00	Main Deck Cargo Compartment Smoke Detection System (EMBRAER 190 FREIGHTER) System Faults										
-A		C	-		Except for ER operations may be dispatched with CRG MAIN SMKDET FA Advisory EICAS messag provided CRG MAIN SMKDET FAIL Caution EICAS message is not displayed. (Continued)	ULT					

	MAST	ER MINI	ΙUΝ	ИE	QUIPMENT LIST	
Airplan	e ERJ 170/EF	2.1.190			Revision 18	Page 26-4
			Ren	air c	ategory	20-4
Syster					ber installed	
Seque No.				3. I	Number required for dispatch	
					4. Remarks and/or exception	18
26 FIR	E PROTECTIO	N	1	1		
13-00	Main Deck Car Compartment Smoke Detecti System (EMBRAER 190 FREIGHTE (Continued)	on				
-01	System Faults (Continued)					
-B		С	-	-	(O) May be dispatched of CRG MAIN SMKDET FAC Caution EICAS message provided procedures are established and used to ensure the Main Deck Compartment remains error is verified to contain dempty cargo handling equipment, ballast (ballat may be loaded in ULDs) and/or Fly Away Kits.	AIL ee eargo mpty, only ast
					NOTE: Operator MELs in define which iter approved for incident in the Fly Away I and which materican be used as ballast.	ns are lusion Kits,

	MASTER	MINI	M	UN	<u>1</u> E	QUIPMENT LIST	
Airplane	e ERJ 170/ERJ 1	IQN					Page 26-5
			. R	epa	air c	ategory	20-5
Syster Seque					lum	ber installed	
No.					3. 1	lumber required for dispatch	
						4. Remarks and/or exceptions	
26 FIR	E PROTECTION	1	1				
14-00	Lavatory Smoke Detection System						
-A	EMBRAER 170/175/190/195/ 190-E2/195-E2			1		 (M)(O) For each lavatory, the Lavatory Smoke Detection System may be inoperative provided: a) Lavatory waste receptatis empty, b) Lavatory door is locked closed and placarded "INOPERATIVE - DO NENTER", and c) Lavatory is used only be crewmembers. NOTE: These provisos are 	n e acle I NOT
						not intended to prohibit lavatory us or inspections by crewmembers.	
-B	EMBRAER 190 FREIGHTER			1	0	May be inoperative.	

	MASTER MINIMUM EQUIPMENT LIST											
Airpland	ERJ 170/ERJ 19	0			Revision 18	Page 26-6						
0			Rep	air c	ategory	1						
Syster Seque			2. I		ber installed							
No.				3. I	Number required for dispatch							
					4. Remarks and/or exception	<u>s</u>						
26 FIR	E PROTECTION	1	1	1	<u> </u>							
14-01	Lavatory Smoke Test Switches on Flight Attendant Panel					 						
-A	EMBRAER 170/175/190/195	С	-	0	(O) May be inoperative provided Lavatory Smok Detector is tested once a flight day.							
-B	EMBRAER 190 FREIGHTER	D	1	0	May be inoperative.							
16-00	Recirculation Bay Smoke Detector System											
-A	EMBRAER 170/175/190/195/ 190 FREIGHTER	B	1	0	(O) Except for ER operating may be inoperative or miprovided: a) Recirculation Fans (RECIRC) remain selentification off, b) Both Air Conditioning Packs are operating normally, and c) Live animals are not carried in the forward cargo compartment. (Continued)	issing ected						

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	ERJ 170/ERJ 190)			Revision 18	Page 26-7					
Syster Seque No.	nce ITEM	1. 1		Num	ategory ber installed Number required for dispatch						
26 FIR	E PROTECTION				4. Remarks and/or exceptions	<u>s</u>					
	Recirculation Bay Smoke Detector System (Continued)										
-B	EMBRAER 170/175	В	1	0	 (M)(O) May be inoperative missing provided: a) Recirculation Fans (RECIRC) remain selection off, b) One Air Conditioning is operating normally, c) Live animals are not carried in the forward cargo compartment, at Both Engine ITT margare verified to be with limits. 	ected Pack and gins					
-C	EMBRAER 190/195/ 190 FREIGHTER	В	1	0	 (O) Except for ER operat may be inoperative or mi provided: a) Recirculation Fans (RECIRC) remain sele off, b) One Air Conditioning is operating normally, c) Live animals are not carried in the forward cargo compartment. 	ssing ected Pack					

	MASTER MI	NIN	1UN	ΛE	QUIPMENT LIST	_
Airplan					Revision 18	Page
	ERJ 170/ERJ 190		2an	air c	ategory	26-8
Syste		1. 1			nber installed	
Seque No					Number required for dispatch	
	•				4. Remarks and/or exception	s
26 FIR	E PROTECTION				1	
16-01	Electronic Bay Backup Smoke Detector (EMBRAER 190-E2/ 195-E2)	С	1	0		
16-05	Forward Electronic Bay Smoke Detector (EMBRAER 190-E2/ 195-E2)	С	1	0	May be inoperative provi FWD EBAY SMK DET F. not displayed on EICAS.	
16-07	Middle Electronic Bay Smoke Detector (EMBRAER 190-E2/ 195-E2)	С	1	0	May be inoperative provi CTR EBAY SMK DET FA not displayed on EICAS.	
16-09	Aft Electronic Bay Smoke Detector (EMBRAER 190-E2/ 195-E2)	С	1	0	May be inoperative provi AFT EBAY SMK DET FA not displayed on EICAS.	ded AIL is
18-01 ***	In-Flight Entertainment System (IFE) Smoke Detector (EMBRAER 170/175/190/195)	D	1	0	(M) May be inoperative provided IFE is deactivat	ed.
22-00	APU Fire Extinguishing System	С	1		Except for ER operations may be inoperative provi APU is not used.	

	MASTER MINIMUM EQUIPMENT LIST							
Airplan	e ERJ 170/ERJ 190	_			Revision 18	Page 26-9		
System					ategory			
Syster Seque			Number installed Number required for dispatch					
No.				3. 1	4. Remarks and/or exceptions	 S		
26 FIR	E PROTECTION							
22-09	APU Fire Extinguishing Button Illumination							
-A		С	1	0	Except for ER operations may be inoperative provid APU is not used.			
-B	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	С	1	0	(O) May be inoperative provided APU FIRE Warn EICAS Message, Master Warning lights, APU EME STOP Button Illumination Aural Warning are verifie operate normally.	ER n and		
-C	EMBRAER 190-E2/ 195-E2	C	1	0	(O) May be inoperative provided APU EMER STOBUTTON and engine 1 fire handle illuminations are verified to operate normal			

Airplon		IIIVIII	IUI	/ [QUIPMENT LIST Revision 18	Dogo
Airplan	, ERJ 170/ERJ 19	0			Revision 16	Page 26-10
		_	Repa	air c	ategory	
Syster Seque				Num	ber installed	
No.				3. 1	lumber required for dispatch	
					4. Remarks and/or exception	S
26 FIR	E PROTECTION	1	1	ı		
23-13	Cargo Compartmen Fire Extinguishing Buttons Illumination					
-01	Forward Cargo Compartment Fire Extinguishing Button Illumination	C	1	0	(O) May be inoperative provided procedures are established and used to ensure the associated compartment remains en or is verified to contain or empty cargo handling equipment, ballast (ballat may be loaded in ULDs), /or Fly Away Kits.	nly
					NOTE: Operator MELs n define which item approved for incluin the Fly Away K and which materican be used as ballast.	ns are usion (its,
-02	Aft Cargo/ Baggage Compartment Fire Extinguishing Buttor Illumination		1	0	(O) May be inoperative provided procedures are established and used to ensure the associated compartment remains en or is verified to contain of empty cargo handling equipment, ballast (ballat may be loaded in ULDs), for Fly Away Kits.	npty, nly st
					NOTE: Operator MELs n define which item approved for inclu- in the Fly Away K and which materi can be used as ballast.	ns are usion (its,

	MASTER MINIMUM EQUIPMENT LIST								
Airplan	e ERJ 170/ERJ 190	`			Revision 18	Page 26-11			
	ERJ 1/0/ERJ 190	_	Rena	air c	<u> </u>	26-11			
Syster Seque				Num	ber installed				
Seque No.				3. 1	lumber required for dispatch				
					4. Remarks and/or exception	S			
26 FIR	E PROTECTION	ı	1	1					
	Portable Fire Extinguishers	D	-	1	Any in excess of those required by local regulation may be inoperative or miprovided: a) The inoperative fire extinguisher is tagged inoperative, removed the installed location, placed out of sight so cannot be mistaken for functional unit, and b) Required distribution maintained.	issing d from and it or a			
25-00	Lavatory Fire Extinguishing System EMBRAER								
	170/175/190/195/ 190-E2/195-E2					j I			
-A		С	-	0	For each lavatory, the Lavatory Fire Extinguish System may be inoperat provided Lavatory Smok Detection System operat normally. (Continued)	ive e			

System & Sequence No. 1. Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 3. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 4. Remarks and/or exceptions 2. Number required for dispatch 3. Number required for d		MASTER N	<u> IININ</u>	<u>IUN</u>	<u> 1</u> E	QUIPMENT LIST	
System & Sequence No. 26 FIRE PROTECTION 25-00 Lavatory Fire Extinguishing System (Continued) -01 EMBRAER 170/175/190/195/190-E2/195-E2 (Continued) -B C - 0 (M)(O) For each lavatory, the Lavatory Fire Extinguishing System may be inoperative provided: a) Lavatory waste receptacle is empty, b) Lavatory door is locked closed and placarded, "INOPERATIVE - DO NOENTER", and c) Lavatory is used only by crewmembers. NOTE: These provisos are not intended to prohibit lavatory use or inspections by	Airplane		n			Revision 18	Page
Sequence No. 26 FIRE PROTECTION 25-00 Lavatory Fire Extinguishing System (Continued) -01 EMBRAER 170/175/190/195/190-E2/195-E2 (Continued) -B C - 0 (M)(O) For each lavatory, the Lavatory Fire Extinguishing System may be inoperative provided: a) Lavatory waste receptacle is empty, b) Lavatory door is locked closed and placarded, "INOPERATIVE - DO NOENTER", and c) Lavatory is used only by crewmembers. NOTE: These provisos are not intended to prohibit lavatory use or inspections by				Repa	air c	ategory	20-12
No. 26 FIRE PROTECTION 25-00 Lavatory Fire Extinguishing System (Continued) -01 EMBRAER 170/175/190/195/190-E2/195-E2 (Continued) -B C - 0 (M)(O) For each lavatory, the Lavatory Fire Extinguishing System may be inoperative provided: a) Lavatory waste receptacle is empty, b) Lavatory door is locked closed and placarded, "INOPERATIVE - DO NOENTER", and c) Lavatory is used only by crewmembers. NOTE: These provisos are not intended to prohibit lavatory use or inspections by				2. 1	Num	ber installed	
25-00 Lavatory Fire Extinguishing System (Continued) -01 EMBRAER 170/175/190/195/190-E2/195-E2 (Continued) -B C - 0 (M)(O) For each lavatory, the Lavatory Fire Extinguishing System may be inoperative provided: a) Lavatory waste receptacle is empty, b) Lavatory door is locked closed and placarded, "INOPERATIVE - DO NOENTER", and c) Lavatory is used only by crewmembers. NOTE: These provisos are not intended to prohibit lavatory use or inspections by					3. 1	lumber required for dispatch	
25-00 Lavatory Fire Extinguishing System (Continued) -01 EMBRAER 170/175/190/195/190-E2/195-E2 (Continued) -B C - 0 (M)(O) For each lavatory, the Lavatory Fire Extinguishing System may be inoperative provided: a) Lavatory waste receptacle is empty, b) Lavatory door is locked closed and placarded, "INOPERATIVE - DO NOENTER", and c) Lavatory is used only by crewmembers. NOTE: These provisos are not intended to prohibit lavatory use or inspections by	26 EID	E DROTECTION				4. Remarks and/or exceptions	5
Extinguishing System (Continued) -01 EMBRAER 170/175/190/195/ 190-E2/195-E2 (Continued) -B C - 0 (M)(O) For each lavatory, the Lavatory Fire Extinguishing System may be inoperative provided: a) Lavatory waste receptacle is empty, b) Lavatory door is locked closed and placarded, "INOPERATIVE - DO NO ENTER", and c) Lavatory is used only by crewmembers. NOTE: These provisos are not intended to prohibit lavatory use or inspections by	20 FIR	EPROTECTION	1				
-01 EMBRAER 170/175/190/195/ 190-E2/195-E2 (Continued) C - 0 (M)(O) For each lavatory, the Lavatory Fire Extinguishing System may be inoperative provided: a) Lavatory waste receptacle is empty, b) Lavatory door is locked closed and placarded, "INOPERATIVE - DO NOTENTER", and c) Lavatory is used only by crewmembers. NOTE: These provisos are not intended to prohibit lavatory use or inspections by	25-00	Extinguishing					ı
170/175/190/195/ 190-E2/195-E2 (Continued) C - 0 (M)(O) For each lavatory, the Lavatory Fire Extinguishing System may be inoperative provided: a) Lavatory waste receptacle is empty, b) Lavatory door is locked closed and placarded, "INOPERATIVE - DO NOENTER", and c) Lavatory is used only by crewmembers. NOTE: These provisos are not intended to prohibit lavatory use or inspections by		(Continued)					I
Lavatory Fire Extinguishing System may be inoperative provided: a) Lavatory waste receptacle is empty, b) Lavatory door is locked closed and placarded, "INOPERATIVE - DO NO ENTER", and c) Lavatory is used only by crewmembers. NOTE: These provisos are not intended to prohibit lavatory use or inspections by	-01	170/175/190/195/ 190-E2/195-E2					
	-B		С		0	Lavatory Fire Extinguishin System may be inoperating provided: a) Lavatory waste recept is empty, b) Lavatory door is locked closed and placarded, "INOPERATIVE - DOENTER", and c) Lavatory is used only crewmembers. NOTE: These provisos a not intended to	ng vve tacle d NOT by
						or inspections by	
-02 EMBRAER D 1 0 May be inoperative.	-02		D	1	0	May be inoperative.	

	MASTER MINIMUM EQUIPMENT LIST							
Airplan	e ERJ 170/ERJ 19	1			Revision 18	Page 26-13		
	EKJ I/U/EKJ 19		Ren	air c	ategory	26-13		
Syster					ber installed			
Seque No.				3. I	Number required for dispatch			
					4. Remarks and/or exception	s		
26 FIR	E PROTECTION	1	1	1	<u> </u>			
27-01	Lavatory Fire Extinguishing System (LINEAGE 1000)							
-01	Fwd and Mid Cabin Lavatory							
-A		С	-	-	 (M)(O) May be inoperative provided: a) Lavatory waste receps is empty, and b) Lavatory door is locked closed and placarded "INOPERATIVE - DOENTER". 	etacle ed I		
-B		С	_	-	 (M)(O) For each lavatory lavatory fire extinguishing system may be inoperating provided: a) Lavatory smoke detections and b) Operating rules do not require a fire extinguis system. 	g ve ction nally,		
-02	VIP Cabin Lavatory	С	-	-	 (M)(O) May be inoperative provided: a) Lavatory waste receps is empty, and, b) Lavatory door is locked closed and placarded "INOPERATIVE - DOENTER". NOTE: These provisos and intended to prohibit lavatory or inspections by crewmembers. 	etacle ed l NOT are		

	MASTER MINIMUM EQUIPMENT LIST								
Airplan	e ERJ 170/ERJ 190	1			Revision 18	Page 27-1			
Syster					ategory	£1-1			
Seque	nce ITEM		2. 1		ber installed lumber required for dispatch				
No.				U	4. Remarks and/or exceptions				
27 FLI	GHT CONTROLS		1	1					
00-00	Flight Controls System								
-01	System Faults								
-A	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000 (Post-Mod. Load 25.3, 25.4 and on)	Α	-	-	May be dispatched with FLT CTRL FAULT Adviso EICAS message provided repairs are made within 48 hours.				
03-01	Flight Controls Panel								
-01	Flight Control Mode Pushbuttons Illumination								
-A	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	С	3	0	 (O) May be inoperative provided: a) The associated button verified operative, and b) ELEVATOR FAULT, RUDDER FAULT or SPOILER FAULT Cau EICAS message is not displayed on EICAS. 	tion			
-B	EMBRAER 190-E2/ 195-E2	С	1	0	 (O) May be inoperative provided: a) The associated button verified operative, and b) FLT CTRL N-MODE F. Warning EICAS messaris not displayed on EIC (Continued) 	AIL age			

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Airplane	e ERJ 170/ERJ 190				Revision 18	Page 27-2			
		1. Repair ca			ategory	21-2			
Syster Seque			2. 1	Num	ber installed				
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions	•			
27 FLI	GHT CONTROLS	l			4. Remarks and/or exceptions	•			
	Flight Controls Panel (Continued)								
-02	Stick Shaker System Cutout Pushbutton Illumination	С	2	0	 (O) May be inoperative provided: a) The associated button verified operative, and b) SHAKER 1 (2) FAIL Advisory EICAS mess is not displayed on Elfo 	l age			
03-04	Pitch Trim System Channel Cutout Pushbutton Illumination (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	2	0	(M) May be inoperative provided the pitch trim channels are verified operative.	1			
1-01	Breakout-Increase Device (BOID) System (EMBRAER 190-E2/ 195-E2)								
-01	Control Wheel BOID								
-A		С	2	1	 (M) One may be inoperated provided: a) The opposite control with BOID is verified operated before each flight, and by Affected control wheely verified free to move. 	vheel itive			
-B		В	2	0	May be inoperative provious autopilot is not used. (Continued)	ded			

MASTER MINIMUM EQUIPMENT LIST								
	,			Revision 18	Page 27-3			
		Repa	air c	ategory	21-3			
			Num	ber installed				
			3. I					
				4. Remarks and/or exception	<u>s</u>			
GHT CONTROLS	1	1	l	1				
Breakout-Increase Device (BOID) System (EMBRAER 190-E2/ 195-E2) (Continued)								
Control Column BOID								
	С	2	1	 (M) One may be inoperated provided: a) The opposite control column BOID is verified operative before each flight, and b) Affected control column verified free to move. 	ed 1			
	В	2	0	May be inoperative provi autopilot is not used.	ded			
BOID Module								
	С	2	1	(M) One may be inoperated provided the opposite Countrel Wheel BOID and Control Column BOID are verified operative before each flig	ontrol l d			
	В	2	0	May be inoperative provi autopilot is not used.	ded			
ROLL CONTROL DISC Advisory EICAS Message (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	В	1	0	 (O) May be inoperative provided: a) Both control wheels a verified to be connect before each flight, and b) Autopilot is considere inoperative. 	ted d			
	BERJ 170/ERJ 190 M & NITEM ITEM IGHT CONTROLS Breakout-Increase Device (BOID) System (EMBRAER 190-E2/ 195-E2) (Continued) Control Column BOID BOID Module ROLL CONTROL DISC Advisory EICAS Message (EMBRAER 170/175/190/195/ 190 FREIGHTER/	Breakout-Increase Device (BOID) System (EMBRAER 190-E2/195-E2) (Continued) Control Column BOID BOID Module C ROLL CONTROL B ROLL CONTROL DISC Advisory EICAS Message (EMBRAER 170/175/190/195/ 190 FREIGHTER/	Breakout-Increase Device (BOID) System (EMBRAER 190-E2/195-E2) (Continued) Control Column BOID C 2 BOID Module C 2 ROLL CONTROL B 3 ROLL CONTROL B 4 ROLL CONTROL B 4 ROLL CONTROL B 5 ROLL CONTROL B 5 ROLL CONTROL B 4 ROLL CONTROL B 5 ROLL CONTROL B 5 ROLL CONTROL B 1 ROLL CONTROLL B 1 ROLL CONTROL B 1 ROLL CONTROL B 1 ROLL CONTROL B 1 RO	RERJ 170/ERJ 190	Revision 18 Revision 18 Revision 18 Revision 18 Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exception 4. Remarks and/or exception 4. Remarks and/or exception 4. Remarks and/or exception 5. Number required for dispatch 4. Remarks and/or exception 4. Remarks and/or exception 5. Number required for dispatch 4. Remarks and/or exception 5. Number required for dispatch 5. Nu			

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Airplan	e ERJ 170/ERJ 190		Revision 18						
Syster		1. I			ategory				
Seque	nce ITEM		2. 1		ber installed Number required for dispatch				
No.		4. Remarks and/or exceptions							
27 FLI	GHT CONTROLS								
14-01	Roll Trim Position Indication on EICAS (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	1	0	(O) May be inoperative provided ailerons are veri centered before each flight				
14-02	Aileron Trim System (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	1	0	(M) May be inoperative provided aileron trim actu is deactivated at neutral position.	ator 			
					NOTE: Roll Trim position indication on EICA will be inoperative	AS			
23-03	Rudder Pedal Adjustment System								
-A		С	2	0	May be inoperative provide Rudder Pedals' position is acceptable to the affected flight crewmember.	s			
-В		С	2	0	(M) May be inoperative provided Rudder Pedals in be adjusted to suit individual pilot requirements.				
24-01	Yaw Trim Position Indication on EICAS (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	1	0	(O) May be inoperative provided Rudder is verific centered before each flight				
31-06	PITCH CONTROL DISC Advisory EICAS Message (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	В	1	0	 (O) May be inoperative provided: a) Both control columns a verified to be connected before each flight, and b) Autopilot is considered inoperative. 	ed I			

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Airplan		1			Revision 18	Page 27-5			
	ERJ 170/ERJ 190		1. Repair category						
Syster Seque			2. Number installed						
No.				3. I	Number required for dispatch				
07 51 1	OUT CONTROL O				4. Remarks and/or exception	S			
2/ FLI	GHT CONTROLS		ī	1	<u> </u>				
33-06	Tail Strike Avoidance (EMBRAER 190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	1	0	(O) May be inoperative provided tail strike avoida procedures are establish and used.				
36-01	Stick Shakers	В	2	1	(O) One may be inoperated provided Stall Warning System is verified to openormally before each flig	rate			
41-01	Pitch Trim Position Indication on EICAS	В	1	0	 (M)(O) May be inoperative provided: a) Horizontal stabilizer is positioned using the markings on tail cone b) Horizontal stabilizer position is not change until after takeoff, and c) Alternate procedures established and used 	s , ed I are			
43-02	Pitch Trim Switches								
-01	Pitch Trim Switches on Yoke	С	2	1	(O) May be inoperative provided affected switch verified inactive before earlight.				
-02	Backup Trim Switch on the Control Pedestal	С	1	0	 (O) May be inoperative provided: a) Both Pitch Trim Switc on Yokes are operatir normally, and b) Affected switch is veri inactive before each f 	ng ified			

	MASTER MINIMUM EQUIPMENT LIST								
Airplan					Revision 18	Page			
	ERJ 170/ERJ 190		Ren	air c	ategory	27-6			
Syster					ber installed				
Seque No.				3. 1	Number required for dispatch				
	'				4. Remarks and/or exception	s			
27 FLI	GHT CONTROLS		1		1				
50-00	Flap System (EMBRAER 190-E2/ 195-E2)								
-01	System Faults								
-A		В	-	-	 (O) Except for ER operating may be dispatched with I LO RATE Advisory EICA message provided: a) APU generator is operative, b) Both Engine Driven Generators are operative, c) Both FSCU - Slat are operative, and d) There are no obstacle the Net Takeoff Flight above Level Off Height 	FLAP S ative, es in t Path			
					NOTE: Flaps will operate half extension an retraction rates.				
-B		В	-	-	 (O) Except for ER operating may be dispatched with I LO RATE Advisory EICA message provided: a) FSCU F1 is verified operative, b) Both FSCU - Slat are operative, and c) There are no obstacle the Net Takeoff Flight above Level Off Height 	FLAP S es in t Path			
					NOTE: Flaps will operate half extension an retraction rates.				
					(Continued)				

	MASTER MINIMUM EQUIPMENT LIST										
Airplan		470/ED 40				Revision 18	Page				
	EKJ	170/ERJ 19		Pan:	air c	ategory	27-7				
Syste			'''			ber installed					
Seque No		ITEM				Number required for dispatch					
	-					4. Remarks and/or exception	s				
27 FL	IGHT CC	ONTROLS		ı	ı						
50-00	Flap Sy (EMBR 195-E2 (Contin	AER 190-E2)	/								
-01	System (Contin										
-C			B	-	_	Except for ER operations may be dispatched with FAULT Advisory EICAS message provided SLAT FAULT, FLAP LO RATE SLAT LO RATE Advisory EICAS messages are no displayed.	FLAP and /				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan					Revision 18	Page				
	ERJ 170/ERJ 190		Ren	air c	ategory	27-8				
Syster					ber installed					
Seque No.				3. 1	Number required for dispatch					
					4. Remarks and/or exception	s				
27 FLI	GHT CONTROLS									
53-00	Slat/Flap Electrical System (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)					I				
-01	System Faults									
-A		В	-	-	(O) May be dispatched with FLAP LO RATE Advisory EICAS message provide a) APU generator is operative, b) Both Engine Driven Generators are operator as operative, and d) There are no obstacle the Net Takeoff Flight above Level Off Height	tive, re es in Path				
					NOTE: Flaps will operate half extension an retraction rates.					
-B		В	-	-	 (O) May be dispatched we FLAP LO RATE Advisory EICAS message provide a) Flap Channel 01 is veroperative, b) Both Slat Channels are operative, and c) There are no obstacled the Net Takeoff Flight above Level Off Height 	/ d: erified re es in : Path				
					NOTE: Flaps will operate half extension an retraction rates.					
					(Continued)					

MASTER MINIMUM EQUIPMENT LIST								
Airplane		170/ERJ 190)			Revision 18	Page 27-9	
Systen		170/210 100				ategory		
Seque	nce	ITEM		2. 1		ber installed Number required for dispatch		
No.					J. 1	4. Remarks and/or exception	S	
27 FLI	GHT CO	NTROLS						
53-00	System (EMBR/170/175) 190 FRE	5/190/195/ EIGHTER/ GE 1000)					I	
-01	System (Continu							
-C			В	-		 (O) May be dispatched with SLAT LO RATE Advisory EICAS message provide a) APU generator is operative, b) Both Engine Driven Generators are operative, c) Both Flap Channels at operative, and d) There are no obstacled the Net Takeoff Flight above Level Off Height 	tive, re es in	
						NOTE: Slats will operate half extension an retraction rates.		
-D			В	-	-	 (O) May be dispatched w SLAT LO RATE Advisory EICAS message provide a) Slat Channel 02 is ve operative, b) Both Flap Channels a operative, and c) There are no obstacle the Net Takeoff Flight above Level Off Heigl 	/ d: rified re es in Path	
						NOTE: Slats will operate half extension an retraction rates.		

Airplan						QUIPMENT LIST	
, τιι ριαιι		170/ERJ 19	'n				ige -10
	ENJ	170/ERJ 18		2an	air c	rategory	-10
Syste			'''			ber installed	
Seque No		ITEM				Number required for dispatch	
NO	•					4. Remarks and/or exceptions	
27 FLI	GHT CO	NTROLS					
80-00	Slat Sys (EMBRA 195-E2)	AER 190-E2	2/				
-01	System	Faults					
-A			В	-	-	 (O) Except for ER operation may be dispatched with SLA LO RATE Advisory EICAS message provided: a) APU generator is operative, b) Both Engine Driven Generators are operative c) Both FSCU - Flap are operative, and d) There are no obstacles in the Net Takeoff Flight Paabove Level Off Height. 	AT ÷,
						NOTE: Slats will operate at half extension and retraction rates.	
-B			В	-	-	 (O) Except for ER operation may be dispatched with SLA LO RATE Advisory EICAS message provided: a) FSCU S1 is verified operative, b) Both FSCU - Flap are operative, and c) There are no obstacles in the Net Takeoff Flight Paabove Level Off Height. 	AT n
						NOTE: Slats will operate at half extension and retraction rates.	

MASTER MINIMUM EQUIPMENT LIST										
Airplan	e EDI	470/ED 40	^			Revision 18	Page			
		170/ERJ 19		Rena	air c	ategory	27-11			
Syster Seque		ITEM		2. 1	Num	ber installed				
No		I I EIVI			3. 1	lumber required for dispatch	1			
07 FL	CUT CO	NTDOLC		<u> </u>		4. Remarks and/or exception	ns			
2/ FLI	GHI CO	NTROLS		1						
80-00	Slat Sys (EMBRA 195-E2) (Continu	AER 190-E2	/							
-01	System (Continu									
-C			B	_		Except for ER operation may be dispatched with FAULT Advisory EICAS message provided FLA FAULT, FLAP LO RATI SLAT LO RATE Adviso EICAS messages are n displayed.	SLAT S P E and ry			

9 (00-05 F (1	ce ITEM	1. F		Num	Revision 18 ategory ber installed lumber required for dispatch 4. Remarks and/or exceptions (O) MFD Indications not	Page 28-1
Sequence No. 28 FUE! 00-00 F ()0-05 F ()	L Fuel System Synoptic Displays (MFD Fuel Page) Fuel Control System (EMBRAER 190-E2/		2. 1	3. I	ber installed Number required for dispatch 4. Remarks and/or exceptions	3
Sequence No. 28 FUE! 00-00 F ()0-05 F ()	L Fuel System Synoptic Displays (MFD Fuel Page) Fuel Control System (EMBRAER 190-E2/	С		3. 1	Number required for dispatch 4. Remarks and/or exceptions)
28 FUE 00-00 F 5 (00-05 F	Fuel System Synoptic Displays (MFD Fuel Page) Fuel Control System (EMBRAER 190-E2/	С	2		4. Remarks and/or exceptions	5
00-00 F (00-05 F (Fuel System Synoptic Displays (MFD Fuel Page) Fuel Control System (EMBRAER 190-E2/	С	2	0		
9 (00-05 F (1	Synoptic Displays (MFD Fuel Page) Fuel Control System (EMBRAER 190-E2/ 195-E2)	С	2	0	(O) MED Indications not	
(1	(EMBRAER 190-E2/ 195-E2)				addressed elsewhere in t MMEL may be inoperative	
-01 \$	System Faults					
		A			 (O) Except for ER operation may be dispatched with FCONTROL FAULT Advisor EICAS message provided a) Both Engine Fuel Filter Differential Pressure Sensors are operative b) Both FUEL FEED 1 (2) FAULT Advisory EICA messages are not displayed with engine running, c) Wing fuel quantity indications on EICAS MFD are available and monitored throughout flight, d) Loss of fuel quantity indication accuracy is taken into account for planning, and e) Repairs are made with three flight days. 	FUEL ory d: er s, ex and d are

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190			Revision 18	Page 28-2						
			Rena	air c	ategory	20-2					
Syster		•••	2. 1	Num	nber installed						
Seque No.					Number required for dispatch						
NO.					4. Remarks and/or exception	S					
28 FUI	EL										
11-02	Fuel Tanks Drain/Dump Valves (EMBRAER 190-E2/ 195-E2)										
-01	Drain Function										
-A		С	4	3	 (M) One center tank valve may be inoperative provious) a) Affected valve is chected for no leaks, and b) No water is found at opposite center tank drainage point before flight day. 	ded: cked					
-В		С	4	2	 (M) One or both center to valves may be inoperative provided: a) Affected valves are checked for no leaks, b) Center Fuel Transfer System is considered inoperative. 	e and					
-02	Dump Function	D	4	0	(M) May be inoperative provided the affected val checked for no leakage.	ve is					
11-05	Drain Valves (EMBRAER 170/175)										
-A		С	4	3	(M) One may be inopera provided there is no evid of leakage.						
-В		В	4	2	(M) One Inner Drain Valvone side and one Outer I Valve on the opposite side may be inoperative providence is no evidence of leakage.	Drain de					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 28-3					
			Rep	air c	ategory						
Syster Seque				Num	ber installed						
No.				3. I	Number required for dispatch						
					4. Remarks and/or exceptions						
28 FU	EL	1		1							
13-00	Auxiliary Fuel System (EMBRAER 190 PR/ LINEAGE 1000)	С	1	0	 (M)(O) May be inoperative provided: a) Both auxiliary tanks are empty, b) Fuel Transfer Mode is selected OFF, and, c) Isolation pushbutton is pushed in. 	е					
14-03	Fwd and Aft Auxiliary Tank Vent Shutoff Valve (EMBRAER 190 PR/ LINEAGE 1000)	С	2	0	(M) May be inoperative if affected valves are verifie open during refueling and closed after refueling panelsosed.	are					
21-05	AC Wing Fuel Pump Pressure Switch										
-A		С	2	0	(M) One or both may be inoperative provided associated pump is verifie operate normally before e flight.						
-B		С	2	0	(O) One or both may be inoperative provided associated pump is verific operate normally before e flight.						
21-16	Crossfeed Override Function (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	1	0	Except for ER operations, may be inoperative.	!					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan		RJ 170/ERJ 190				Revision 18	Page 28-4				
Syster	n &		1. I			ategory					
Seque		ITEM		2. 1		ber installed					
No	•				3. 1	Number required for dispatch 4. Remarks and/or exception	e				
28 FU	FI					4. Nemarks and/or exception	<u> </u>				
22-01		ump	С	1	0	(M) Except for ER operations be inoperative provious) DC Pump is deactived b) DC Pump remains selected OFF, and c) AC Power is available	ded: ted,				
	Valve		С	1	0	(M) Except for ER operating the inoperative provious a) APU is not used, andb) Valve is deactivated closed.					
-01	Posit	ion Indication									
-A			С	1	0	(M) Except for ER operating may be inoperative provious)a) APU is used only on ground, andb) APU Fuel Shutoff Valverified closed after Ashutdown.	ded: ve is				
-B			С	1	0	Except for ER operations may be inoperative provi APU is not used.					
22-08	(EME 170/1 190 F	Fuel Feed Line BRAER 175/190/195/ FREIGHTER/ AGE 1000)	С	1	0	 (M) Except for ER operating the inoperative provious at the provious APU fuel feed line is drained, b) APU fuel SOV is secur closed, and, c) APU is not used. 	ded:				

	MASTER MINIMUM EQUIPMENT LIST										
Airplan					Revision 18	Page					
	ERJ 170/ERJ 190		Dan	oir c	ategory	28-5					
Syster		1. 1	2. I	Num	ber installed						
Seque No.					Number required for dispatch						
					4. Remarks and/or exception	S					
28 FU	EL				1						
23-00	Pressure Refueling/Defueling System										
-01	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000					I					
-A		С	1	0	(M) May be inoperative provided aircraft is refuel gravity.	ed by					
-B	Automatic Mode	С	1	0	(M) May be inoperative provided aircraft is refuel pressure manual mode of gravity.						
-02	EMBRAER 190-E2/ 195-E2										
-A		С	1	0	(M) May be inoperative provided aircraft is refuel gravity.	ed by					
					NOTE: Center tank cann refueled by gravit						
-B		С	1	0	(M) May be inoperative provided:a) Refueling shutoff valvare operated manuall andb) Aircraft is refueled by pressure.						
-C	Automatic Mode	С	1	0	(M) May be inoperative provided aircraft is refuel pressure manual mode of gravity. NOTE: Center tank cannot be inoperative.	or by					
					refueled by gravi						

	MASTER MINIMUM EQUIPMENT LIST											
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 28-6						
			Repa	air c	ategory							
Syster					ber installed							
Seque No.				3. 1	Number required for dispatch							
140	-				4. Remarks and/or exception	S						
28 FU	EL		1									
23-01	Refueling/Defueling Control Panel (EMBRAER 190-E2/ 195-E2)											
-01	Tanks Fuel Quantity Indication	С	1	0	(M) May be inoperative provided aircraft is refuel pressure manual mode of gravity.	or by						
					NOTE: Center tank cann refueled by gravi							
-02	Selected Fuel Quantity Indication	С	1	0	(M) May be inoperative provided aircraft is refuel pressure manual mode of gravity.							
					NOTE: Center tank cann refueled by gravi							
-03	RH/LH/Center Tank Refueling Shutoff Valve Closed Indication Light	С	3	0	May be inoperative provi no failure is indicated by light and by panel display to each refueling.	FAIL						
-04	Defuel Valve Open Indication Light	D	1	0	(M) May be inoperative provided valve position is visually checked closed a defueling operations.							

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 28-7					
			Repa	air c	ategory						
Syster Seque				Num	ber installed						
No.				3. 1	Number required for dispatch						
					4. Remarks and/or exception	<u>s</u>					
28 FUI	<u>EL</u>	1	1	1	<u> </u>						
23-02	Refueling Shutoff Valves (EMBRAER 190-E2/ 195-E2)										
-A		С	3	0	(M) May be inoperative provided:a) Aircraft is refueled by gravity, andb) Shutoff valves are deactivated closed af refueling.						
					NOTE: Center tank cann refueled by gravi						
-B		С	3	0	 (M) May be inoperative provided: a) Refueling shutoff valvare operated manuall b) Aircraft is refueled by pressure, and c) Shutoff valves are deactivated closed af refueling. 	y,					
23-09	Fuel Quantity Indication on Refueling Panel (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	1	0	(M) May be inoperative provided aircraft is refuel pressure manual mode of gravity.						
23-13	Pressure Refueling/ Defueling Adapter Cap	D	1	0	 (M) May be inoperative of missing provided: a) Refueling receptacle visually checked for contamination before refueling, and b) No leakage can be detected after refueling completed. 	is each					

	MASTER MINIMUM EQUIPMENT LIST										
Airplane		D I 170/ED I 100				Revision 18	Page				
		RJ 170/ERJ 190		Ran:	air c	ategory	28-8				
System						ber installed					
Seque No.		ITEM				Number required for dispatch					
NO.	i					4. Remarks and/or exceptions	S				
28 FUI	EL										
23-21	Defu Valv	ueling Shutoff re	С	1	0	(M) May be inoperative provided shutoff valve is deactivated closed.					
-01	Posi	ition Indication	С	1	0	(M) May be dispatched w DEFUEL SOV OPEN Advisory EICAS messag provided shutoff valve is deactivated closed except defueling.	е				
23-27	Refu Valv Indic the I (EM 170/ 190	LH Tank ueling Shutoff re Closed cation Light on Refueling Panel BRAER refueling Panel HT5/190/195/ FREIGHTER/ EAGE 1000)	С	2	0	(M) May be inoperative provided valve is confirm closed prior to each refue					
23-29	Valv Indic the I (EM 170/ 190	ueling Shutoff re Open cation Light on Refueling Panel BRAER /175/190/195/ FREIGHTER/ EAGE 1000)	С	1	0	(M) May be inoperative provided shutoff valve is verified closed and then each subsequent defueli					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 19	0			Revision 18 Pag	_					
0			Rep	air c	ategory	-3					
Syster Seque			2. 1		ber installed						
No				3. 1	Number required for dispatch 4. Remarks and/or exceptions						
28 FU	EL	ı									
25-00	Center Fuel Transfe System (EMBRAER 190-E2 195-E2)										
-A		С	1	0	 (M)(O) May be inoperative provided: a) System is deactivated, b) Center fuel quantity indication is operative, c) Wing tanks are refueled by pressure manual mode or by gravity, and d) Aircraft center of gravity is calculated by alternate means. 	-					
					NOTE: Center tank fuel is unavailable. See AFM for Maximum Usable Fuel Quantity.						
-B		С	1	0	 (M)(O) May be inoperative provided: a) System is deactivated, b) Center tank is fully drained, c) Wing tanks are refueled be pressure manual mode or by gravity, and d) Aircraft center of gravity is calculated by alternate means. NOTE: See AFM for Maximum Usable Fundaments 	3					

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Airplan	e ERJ 170/ERJ 190	1			Revision 18 Page 28-10							
			Repa	ategory								
Syster Seque			2. Number installed									
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions							
28 FU	 FI				4. Remarks and/or exceptions							
	AC Center Fuel Transfer Pump (EMBRAER 190-E2/ 195-E2)											
-A		С	2	0	One or both may be inoperative provided Center Fuel Transfer System is considered inoperative.							
-B		С	2	1	 (M)(O) Except for ER operations, one may be inoperative provided: a) Affected AC Center Fuel Transfer Pump is deactivated, and b) Automatic Fuel Transfer is verified operative before first flight of each flight day. 							
25-03	AC Center Fuel Transfer Pump Pressure Switch (EMBRAER 190-E2/ 195-E2)											
-A		С	2	0	One or both may be inoperative provided Center Fuel Transfer System is considered inoperative.							
-B		С	2	1	 (M)(O) Except for ER operations, one may be inoperative provided: a) Affected AC Center Fuel Transfer Pump is deactivated, and b) Automatic Fuel Transfer is verified operative before first flight of each flight day. 							

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Airplane					Revision 18	Page					
	ERJ 170/ERJ 190		Pan:	air c	ategory	28-11	_				
Systen			2. 1	Num	lumber installed						
Sequei No.					3. Number required for dispatch						
					4. Remarks and/or exceptions	<u>s</u>	_				
28 FUI	<u>EL</u>	1	1	1	I		_				
25-04	Center Fuel Transfer Valve (EMBRAER 190-E2/ 195-E2)	С	1	0	 (M) May be inoperative provided: a) Center Fuel Transfer System is considered inoperative, and b) Center Fuel Transfer is deactivated closed. 	Valve					
41-00	Fuel Quantity Indicating										
-01	Wing Fuel Quantity Indication on EICAS and MFD (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	A	6	3	 (M)(O) Except for ER operations, indications for wing tank may be inoperative. a) Fuel quantity in associatank is verified by an alternate means, b) Fuel flow and fuel use indications are availal and are monitored throughout flight, c) Associated Fuel Low Sensor is operative, and d) Repairs are made with three flight days. 	ative ciated ed ble, Level					
-02	Center Fuel Quantity Indication on EICAS and MFD (EMBRAER 190-E2/ 195-E2)	С	3	0	May be inoperative provi Center Fuel Transfer Sys is considered inoperative	stem					

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	e ERJ 170/ERJ 190)			Revision 18	Page 28-12					
Systen	n &	1. I			ategory						
Seque			2. 1		ber installed						
No.				3. r	Number required for dispatch 4. Remarks and/or exception	<u> </u>					
28 FUI	ΞL				4. Remarks and/or exception	3					
41-02	Tank High Level Sensors (EMBRAER 190-E2/ 195-E2)	С	4	0	May be inoperative provi the Pressure Refueling/ Defueling System is considered inoperative.	ded					
42-00	Magnetic Level Indicators (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	D	6	0	May be inoperative provi Fuel Quantity Indication of EICAS and MFD operate normally.	on					
43-00	Fuel Temperature Indicating System (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	1	0	 (O) May be inoperative provided: a) Total Air Temperature (TAT) is used as an indication of fuel temperature, and b) Total Air Temperature (TAT) is equal to or all -37°C. 	 -					
14-01	Fuel Low Level Sensor (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)					I					
-A		С	2	1	(O) One may be inoperated provided associated fuel quantity indications on E and MFD are available a are monitored throughout flight.	ICAS nd					
-B		С	2	0	(O) Both may be inopera provided fuel quantity indications on EICAS and MFD are available on bo sides and are monitored throughout flight.	d					

Airplan					Revision 18	Page
	ERJ 170/ERJ 190					29-1
Syster	n &	1. 1	_		ategory	
Seque	nce ITEM		2. 1		ber installed Number required for dispatch	
No.				J. 1	4. Remarks and/or exceptions	<u> </u>
29 HY	DRAULIC POWER	-	l			_
	Hydraulic System	С	_	0	(O) MFD Indications not	
	Synoptic Displays				addressed elsewhere in t	he
	(MFD Hydraulics				MMEL may be inoperativ	e.
	Page)				, ,	
11-01	Engine Driven					
0.4	Pumps (EDP)					
-01	Depressurization Function					
-A		С	2	1	May be inoperative on El	OP 1
					provided:	
					a) Both Starter Control	
					Valves (SCV) operate	
					normally,	_
					b) Engine Bleed System	
					operates normally, an	
					 c) Crossbleed Valve open normally. 	erates
					NOTE: See AFM for Eng	
					Airstart – Assiste	d
					(Engine Airstart	
					Envelope).	
-B		С	2	1	May be inoperative on El	DP 2
					provided:	
					a) Both Starter Control	
					Valves (SCV) operate	
					normally,	1
					 b) Engine Bleed System operates normally, an 	
					c) Crossbleed Valve ope	
					normally.	iaics
					NOTE: See AFM for Eng	
					Airstart – Assiste	d
					(Engine Airstart	
					Envelope).	
					(Continued)	
		1	1	1		

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Airplan	e ERJ 170/ERJ 19	90			Revision 18	Page 29-2				
Cuete			Repa	air c	ategory					
Syster Seque			2. 1		ber installed					
No				3. 1	Number required for dispatch 4. Remarks and/or exceptions	•				
29 HY	DRAULIC POWER			l	4. Remarks and/or exceptions	<u> </u>				
	Engine Driven Pumps (EDP) (Continued)									
-01	Depressurization Function (Continued)									
-C		С	2	1	One may be inoperative provided: a) Both Starter Control Valves (SCV) operate normally, b) APU Pneumatic Bleed System operates normand c) Crossbleed Valve open normally.	d nally,				
					NOTE: See AFM for Eng Airstart – Assiste (Engine Airstart Envelope).					
-02	ENG PUMP SHUTOFF Pushbutton Illumination on Hydraulic Control Panel	С	2	0	(O) May be inoperative provided associated ENC PUMP SHUTOFF pushbis verified operative.					

	MASTER M	ININ	<u> 1UN</u>	ΛE	QUIPMENT LIST		
Airplane	e ERJ 170/ERJ 190				Revision 18	Page 29-3	
Syster	n &	1. I		air category			
Seque			2. 1		ber installed Number required for dispatch		
No.				J. 1	4. Remarks and/or exceptions	S	
29 HY	DRAULIC POWER						
11-03	Power Transfer Unit (PTU)						
-01	Automatic Activation Function	A	1	0	(O) May be inoperative provided:a) PTU is selected ON be takeoff and landing, ab) Repairs are made with flight days.	nd	
					NOTE: The HYD PTU NO AUTO Advisory EICAS message displayed.		
1-04	Systems 1 and 2 Filter Manifold Differential Pressure Indicators (DPIs)	A	6	4	One per system may be inoperative provided reparrence made within 3 flight d		
1-06	Systems 1 and 2 Case Drain Differential Pressure Indicators	A	2	0	May be inoperative provious repairs are made within 3 flight days.		
1-10	Systems 1 and 2 Reservoirs Relief Bleed Valves	В	2	0	 (M) Bleed function may be inoperative provided: a) Affected valve is verification for no evidence of lead and b) Associated reservoir quantity is verified one each flight day. 	ied kage,	
1-21	Systems 1 and 2 Electrical Pumps Shock Mounts (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	8	6	One shock mount per pu may be damaged.	mp 	

	MASTER MI	<u>N</u> IN	<u> 1UN</u>	<u>I</u> E	QUIPMENT LIST	
Airplan	ERJ 170/ERJ 190				Revision 18	Page 29-4
Cueter			Repa	air c	ategory	1
Syster Seque			2. 1		ber installed	
No.				3. I	Number required for dispatch	
29 HY	DRAULIC POWER		l	l	4. Remarks and/or exception	<u>s</u>
11-30	Systems 1 and 2 Accumulator Pressure Indicators	С	2	0	(M) May be inoperative provided affected accum pre-charge pressure is veadequate once each flightay.	erified
12-01	System 3 Electrical Pumps	С	2	1	Pump 3B may be inopera provided it remains select OFF.	ative :ted
12-02	System 3 Filter Manifold Differential Pressure Indicators (DPIs)	Α	2	1	One may be inoperative provided repairs are mad within 3 flight days.	de
12-04	System 3 Case Drain Differential Pressure Indicators	Α	1	0	May be inoperative provi repairs are made within 3 flight days.	
12-07	System 3 Reservoir Relief Bleed Valve	В	1	0	 (M) Bleed function may be inoperative provided: a) Affected valve is veriffor no evidence of lead and b) Associated reservoir quantity is verified one each flight day. 	ïed Ikage,
12-11	System 3 Electrical Pumps Shock Mounts (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	8	6	One shock mount per pu may be damaged.	mp
12-17	System 3 Electrical Pumps Pressure Attenuator (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	1	0	(M) May be inoperative provided the pressure attenuator is removed.	I

	MASTER MINIMUM EQUIPMENT LIST										
Airplane					Revision 18	Page					
	ERJ 170/ERJ 190		Ren	air c	ategory	29-5					
System					nber installed						
Seque No.				3. 1	Number required for dispatch						
					4. Remarks and/or exception	S					
29 HY	DRAULIC POWER	1	1	ı	T						
12-18	System 3 Accumulator Pressure Indicator	С	1	0	(M) May be inoperative provided affected accum pre-charge pressure is veadequate once each flight day.	erified					
13-00	Systems 1, 2 and 3 Ground Service Connections	С	9	0	 (M) May be inoperative of provided: a) Affected connection is verified for no evidence leakage, and b) Associated Reservoir quantity is verified on each flight day. 	s ce of					
31-01	Systems 1, 2 and 3 Pressure Indication on MFD	C	6	0	May be inoperative provi HYD 1 (2) (3) LO PRESS Caution message is not displayed on EICAS.						

		ININ	/UN	<i>Ι</i> Ε	QUIPMENT LIST	·			
Airplan	e ERJ 170/ERJ 19()			Revision 18	Page 29-6			
0			Repa	air c	ategory	1 -0 0 1			
Syster Seque			2. Number installed						
No				3. 1	Number required for dispatch 4. Remarks and/or exception				
20 HV	DRAULIC POWER				4. Remarks and/or exception	S			
			1	l					
31-07	Alternating Current Motor Pump (ACMP) Pressure Switch								
-01	ACMP 1B and ACMP 2B Pressure Switch	С	2	0	 (O) May be inoperative provided: a) Associated ACMP is verified operative beforeach flight, and b) Hydraulic Page on Miloperates normally. 				
-02	ACMP 3B Pressure Switch								
-A		С	1	0	 (O) May be inoperative provided: a) ACMP 3B is verified operative before each flight, and b) Hydraulic Page on Ml operates normally. 				
-B		С	1	0	May be inoperative provi ACMP 3B is considered inoperative.	ded			
32-00	Systems 1 and 3 Quantity Indication on MFD	С	4	0	(M) May be inoperative provided quantity is verif associated Reservoir Qu Indicator once each fligh	antity			

	MASTER MINIMUM EQUIPMENT LIST											
Airplane	ERJ 170/ERJ 190)			Revision 18	Page 29-7						
			Rep	air c	ategory							
System					ber installed							
Sequen	ce ITEM				Number required for dispatch							
No.					4. Remarks and/or exception	s						
HYD	RAULIC POWER		ı	l								
	System 2 Reservoir Quantity Indication on MFD	C	2	0	(M)(O) May be inoperative provided: a) Quantity is verified adequate on Reservor Quantity Indicator one each flight day, b) Takeoffs are accomply with PTU turned on, and complished with Electric Hydraulic Pump 2 turnon.	ir 2 ce lished and s are ectric						

	MASTER MI	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 30-1						
	EKJ 1/0/EKJ 190		Ran:	air c	ategory	30-1						
Syster					ber installed							
Seque No.					Number required for dispatch							
NO.	•				4. Remarks and/or exception	s						
30 ICE	AND RAIN PROTEC	TIC	N		-							
00-00	Anti-Ice System Synoptic Displays (MFD Anti-Ice Page)	С	2	0	(O) MFD Indications not addressed elsewhere in MMEL may be inoperative							
00-01	Ice Protection Control Panel											
-01	Windshield Heating Pushbuttons	С	2	1	Except for ER operations may be inoperative provi associated windshield he system is considered inoperative.	ded						
-02	WING Pushbutton	С	1	0	Except for ER operations may be inoperative provi Wing Anti-Ice System is considered inoperative.							
-03	TEST Knob	С	1	0								
11-00	Wing Anti-Ice System											
-01	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	С	1	0	Except for ER operations may be inoperative provi a) Airplane is not operat known or forecast icir conditions, and b) Landings are not conducted with OAT below -40°C (-40°F).	ded: ed in						
-02	EMBRAER 190-E2/ 195-E2	С	1	0	Except for ER operations may be inoperative provi a) Airplane is not operat known or forecast icir conditions, and b) Both Flow Control Va are operative.	ded: ed in ng						

MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190				Revision 18 Pag 30	-			
			Repa	air c	ategory	- <u>-</u>			
Syster Seque				Num	ber installed				
No.				3. N	Number required for dispatch 4. Remarks and/or exceptions				
30 ICE	AND RAIN PROTEC	TIC	N		Tromano anazor exceptione				
11-01	Wing Anti-Ice Valves	С	2	0	 (M) Except for ER operations may be inoperative provided a) Affected valve is secured closed, and b) Wing Anti-Ice system is considered inoperative. 	: [
-01	Position Indication								
-A	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	С	2	0	(O) May be inoperative provided Wing Anti-Ice Valve are verified to operate normally before each flight.	es 			
					NOTE: During Wing Anti-Ice Valve test, the A-I WING NO DISPATC Caution EICAS message must not be displayed.	Н			
-B		С	2	0	Except for ER operations, may be inoperative provided affected Wing Anti-Ice Valve is considered inoperative.				
1-09	Wing Anti-Ice Overheat Detection System								
-01		С	2	1	Except for ER operations, or may be inoperative provided associated Wing Anti-Ice Valve is considered inoperative. (Continued)				

	MASTER MI	NIN	1UI	ΙE	QUIPMEN	T LIST	
Airplan	e ERJ 170/ERJ 190				Revision 1	18	Page
			Rep	air c	ategory		30-3
Syster					ber installed	1	
Seque No.					Number requ	ired for dispatch	
					4. Remarks	and/or exceptions	S
30 ICE	AND RAIN PROTEC	TIC	N		1		
11-09	Wing Anti-Ice Overheat Detection System (Continued)						
-02	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000						I
-A		С	2	1	Wing Antimay be in a) Cross closed start, b) Engine consid c) APU P System inoperad) Live ar carried cargo/	ot for ER operated local System 1 (operative provided Valve reading to the Electric System ered inoperative in the considered ative, and animals are not in the baggage artment.	ODS ded: mains gine 1 is e,
					NOTE 1:	See AFM for Engine Airstar Windmilling (Engine Airsta Envelope).	
					NOTE 2:	For Engine Ble System inoper dispatch, do no consider Cros Bleed Valve operating norm	rative ot s
					(Continue	d)	

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	e ERJ 170/ERJ 190	Revision 18 Pag									
			Repa	air c	ategory	30-4					
Syster Seque				Num	ber installed						
No.				3. 1	Number required for dispatch	_					
20 105	AND DAIN DOOTED	TIC			4. Remarks and/or exception	<u>s</u>					
30 10	AND RAIN PROTEC	IIC	IN	l							
11-09	Wing Anti-Ice Overheat Detection System (Continued)										
-02	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000 (Continued)					I					
-B		С	2	1	 (O) Except for ER operative Wing Anti-Ice System 2 (may be inoperative provious) a) Cross Bleed Valve reclosed, except for engstart, and b) Engine Bleed System considered inoperative 	ODS ded: mains gine 1 2 is					
					NOTE 1: See AFM for Engine Airsta Windmilling (Engine Airsta Envelope).						
					NOTE 2: For Engine BI System inope dispatch, do r consider Cros Bleed Valve operating nor	rative not ss					
					(Continued)						

	MASTER MI	NIN	1UN	ΙE	QUIPMENT LIST		
Airplane	e ERJ 170/ERJ 190				Revision 18	Page	
_			Repa	air c	ategory	30-5	
Syster Seque				Num	ber installed		
No.				3. 1	Number required for dispatch		
20 105	AND RAIN PROTEC	TIC	\ NI		4. Remarks and/or exceptions	5	
30 ICE	AND KAIN PROTEC		/INI 				
11-09	Wing Anti-Ice Overheat Detection System (Continued)						
-02	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000 (Continued)						
-C		С	2	0	Except for ER operations both may be inoperative provided: a) Both Engine Bleed Systems are consider inoperative, and b) APU Pneumatic Bleed System is considered inoperative. NOTE: See AFM for Eng Airstart – Windmi (Engine Airstart Envelope). (Continued)	ed d	

	MASTER M	NIN	1UN	ΙE	QUIPMENT LIST	
Airplan					Revision 18	Page
	ERJ 170/ERJ 190	_	Ran	air c	 category	30-6
Syster		'''	_		ber installed	
Seque No.				3. I	Number required for dispatch	
			<u> </u>		4. Remarks and/or exception	S
30 ICE	AND RAIN PROTEC	TIC	N	1	<u> </u>	
-03	Wing Anti-Ice Overheat Detection System (Continued) EMBRAER 190-E2/					
-A	195-E2	Α	2	1	(O) Except for ER operativing Anti-Ice System 1 (may be inoperative provia) Cross Bleed Valve reclosed, except for enstart, b) Engine Bleed System considered inoperative; c) APU Pneumatic Blee System is considered inoperative, d) Live animals are not carried in the cargo/baggage compartment, and e) Repairs are made with	ODS ded: mains gine 1 1 is re, d
					10 flight days. NOTE 1: See AFM for Engine Airsta Windmilling (Engine Airsta Envelope). NOTE 2: For Engine BI System inope dispatch, do r consider Cros Bleed Valve operating norm. (Continued)	eed rative not es

	MASTER	MINII	NUI	ИE	QUIPMEN	T LIST	
Airplane					Revision 1	18	Page
	ERJ 170/ERJ 1		Don	air c	ategory		30-7
Systen		'			ber installed		
Sequei No.					Number requ	ired for dispatch	
110.					4. Remarks	and/or exception	s
30 ICE	AND RAIN PROTI	ECTIO	NC				
11-09	Wing Anti-Ice Overheat Detection System (Continued)	ו					
-03	EMBRAER 190-E2 195-E2 (Continued)	2/					
-B		A	2.	1	Wing Anti may be in a) Cross closed start, b) Engine consid and c) Repair	Engine Airsta Windmilling (Engine Airsta Envelope). For Engine Bl System inope dispatch, do r consider Cros Bleed Valve operating nor	ODS ided: mains gine 1 2 is ve, thin rt – art leed brative not ss

	MASTER M	NIN	/UN	ΙE	QUIPMEN	T LIST	
Airplane					Revision 1	18	Page
	ERJ 170/ERJ 190		-	-!	-4		30-8
Systen		1.1			ategory ber installed	1	
Seque			2. 1			ired for dispatch	
No.					4. Remarks	and/or exception	s
30 ICE	AND RAIN PROTEC	TIC	N				
11-09	Wing Anti-Ice Overheat Detection System (Continued)						
-03	EMBRAER 190-E2/ 195-E2 (Continued)						
· γ		A	2	0	both may provided: a) Both E System inopers b) APU P System inopers c) Repair	Pineumatic Bleed is considered ative, and its are made with days. See AFM for Engine Airstar Windmilling (Engine Airstar Envelope).	red d hin rt - art eed rative not s

		NIN	1UN	ΙE	QUIPMENT LIST		
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 30-9	
Syster					ategory		
Seque			2. 1		ber installed		
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions		
30 ICE	AND RAIN PROTEC	TIC	N				
21-00	Engine Anti-Ice System (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	2	1	Except for ER operations, may be inoperative provid airplane is not operated in known or forecast icing conditions.	ed	1
21-01	Engine Anti-Ice Valves						
-A	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	С	2	1	 (M) Except for ER operation may be inoperative provided a) Affected valve is secural closed, and b) Airplane is not operated known or forecast icing conditions. 	led: ed ed in	1
-B	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	C	2	0	 (M)(O) May be inoperative provided: a) Affected valve is secur open, and b) Appropriate performan penalties are applied. (Continued) 	ed	1

MASTER N	MININ	1UN	ИΕ	QUIPMENT LIST	
	0			Revision 18	Page
ERJ 1/U/ERJ 18		Ren	air c	ategory	30-10
			Num	ber installed	
			3. I		
				4. Remarks and/or exceptions	}
AND RAIN PROTE	CTIC	N	ı	<u> </u>	
Engine Anti-Ice Valves (Continued)					
EMBRAER 190-E2/ 195-E2	С	2	0	 (M)(O) Except for ER operations, Pressure Regulation Modules may inoperative provided: a) Affected Pressure Regulation Module is secured open, b) Associated Shutoff Module is verified operative, and is verified operative, and compared the conditions. 	odule ind d in
195-E2, Post-Mod.		2	0	(M)(O) Except for ER operations, Pressure Regulation Modules may inoperative provided: a) Affected Pressure Regulation Module is secured open, b) Associated Shutoff Modules is verified operative, at a comparison of the compariso	odule ind
	ERJ 170/ERJ 19 m & ITEM E AND RAIN PROTE Engine Anti-Ice Valves (Continued) EMBRAER 190-E2/ 195-E2 EMBRAER 190-E2/	ERJ 170/ERJ 190 m & ITEM E AND RAIN PROTECTION Engine Anti-Ice Valves (Continued) EMBRAER 190-E2/ 195-E2 EMBRAER 190-E2/ C	ERJ 170/ERJ 190 m & ITEM 1. Rep 2. I E AND RAIN PROTECTION Engine Anti-Ice Valves (Continued) EMBRAER 190-E2/ 195-E2 EMBRAER 190-E2/ 195-E2, Post-Mod.	ERJ 170/ERJ 190 m & ITEM	## BRAER 190-E2/ 195-E2, Post-Mod. EMBRAER 190-E2/ 195-E2, Post-Mod. ENGINE FADEC 9.6 ENGINE FADEC 9.6 TEM 1. Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 4. Remarks and/or exceptions 4. Remarks and/or exceptions 5. Number required for dispatch 4. Remarks and/or exceptions 5. Number required for dispatch 4. Remarks and/or exceptions 5. Number required for dispatch 4. Remarks and/or exceptions 5. Number required for dispatch 4. Remarks and/or exceptions 5. Number required for dispatch 4. Remarks and/or exceptions 5. Number required for dispatch 4. Remarks and/or exceptions 5. Number required for dispatch 4. Remarks and/or exceptions 5. Number required for dispatch 4. Remarks and/or exceptions 5. Number required for dispatch 4. Remarks and/or exceptions 5. Number required for dispatch 4. Remarks and/or exceptions 5. Number required for dispatch 4. Remarks and/or exceptions 5. Number required for dispatch 4. Remarks and/or exceptions 5. Number required for dispatch 4. Remarks and/or exceptions 5. Number required for dispatch 4. Remarks and/or exceptions 5. Number required for dispatch 4. Remarks and/or exceptions 5. Number required for dispatch 4. Remarks and/or exceptions 5. Number required for dispatch 4. Remarks and/or exceptions 5. Number required for dispatch 5. Number r

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•		170/ERJ 190	_				30-11
Syster	n &		1. I			ategory	
Seque		ITEM		2. 1		ber installed	
No					3. I	Number required for dispatch 4. Remarks and/or exception	•
30 ICE	ANDRA	IN PROTEC	TIC	M		4. Nemarks and/or exception	3
	Engine A Valves (Continue	ed)					
-01	(EMBRA 170/175/	(190/195/ EIGHTER/					
-A			С	2	1	 (M)(O) Except for ER operations, position indice may be inoperative provious) Affected valve is secur closed, b) Airplane is not operate known or forecast icin conditions, and c) Appropriate performate penalties are applied. 	ded: ured ed in ng nce
-B			С	2	0	 (M)(O) May be inoperative provided: a) Associated valve is secured open, and b) Appropriate performate penalties are applied 	
-C			С	2	0	 (O) May be inoperative provided: a) Associated Engine Ard Valve is verified to openormally before each and b) Appropriate performation penalties are applied. 	erate flight, nce

		INIIN	IUI	<u> </u>	QUIPMENT LIST	
Airplane	e ERJ 170/ERJ 190	,			Revision 18	Page 30-12
			Repa	air c	ategory	30-12
Syster Seque					ber installed	
No.				3. 1	Number required for dispatch	
					4. Remarks and/or exceptions	i
30 ICE	AND RAIN PROTEC	IIC	N			
31-00	Air Data Smart Probes ADSP Heater Controllers (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	В	8	4	One heater controller per ADSP may be inoperative	
31-02	Air Data Smart Probes ADSP Sense Line Heater (EMBRAER 190-E2/ 195-E2)	В	4	3	One sense line heater of one sense line heater of one ADSP may be inoperative	
33-00	Total Air Temperature (TAT) Heaters					
-A		В	2	1	 (O) May be inoperative provided: a) Autopilot and Autothro are not coupled to the affected Air Data Syste and b) TAT indications are displayed normally. 	
-B		В	2	0	 (O) Except for ER operation may be inoperative provided a) TAT indications are displayed normally, b) Airplane is not operated visible moisture or in known or forecast icing conditions, c) Autopilot is considered inoperative, and d) Autothrottle is considered inoperative. 	ded: ed in

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Syster				Number installed						
Seque No.					3. Number required for dispatch					
	•		4. Remarks and/or exceptions							
30 ICE	AND RAIN PROTEC	TIC	N		1					
41-00	Windshield Wiper System	С	2	0	May be inoperative provious) a) Airplane is not operated precipitation within 5 nautical miles of the a of takeoff or intended landing, and b) Operations do not require their use.	ed in irport				
-01	Low Speed Mode	С	2	0	May be inoperative provious associated High Speed Noperates normally.					
-02	High Speed Mode	С	2	0	May be inoperative provious associated Low Speed Moperates normally.					
-03	Timer Mode	С	2	0						
-04	Parking Mode	С	2	0	(M) May be inoperative provided blades can be positioned providing an acceptable field of vision flight crew.	to				
42-00	Windshield Heating System	С	2	1	Except for ER operations may be inoperative provious airplane is not operated in known or forecast icing conditions.	ded				
43-01	Door Sill Heater (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)	D	-	0	May be inoperative.					

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Airplane ERJ 170/ERJ 190				Revision 18	Page 30-14				
System & Sequence ITEM No.	1. I		Num	ategory ber installed lumber required for dispatch 4. Remarks and/or exception	s				
30 ICE AND RAIN PROTEC	TIC	N							
71-00 Potable Water Heating System (EMBRAER 190-E2/ 195-E2)									
-A	С	-		 (M) Individual componen may be inoperative provi a) Potable Water Heatin System is tested operational once each flight day, and b) Potable Water System drained when parking below water freezing conditions. 	ded: g n n is				
				NOTE 1: Any portion of system which operates norm may be used.					
				NOTE 2: Water System be serviced an used.	•				
-В	С	1	0	(M) May be inoperative provided:a) Potable Water System drained and not used;b) Procedures are established and used ensure that the Potab Water System is not serviced.	and to				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan		ERJ 170/ERJ 19	n			Revision 1	18	Page 30-15		
		<u> </u>		Rep	air c	ategory		00 10		
Syster Seque		ITEM		2. Number installed						
No.					Number required for dispatch Remarks and/or exceptions					
20 105		ID DAIN DDOTE) OTIC			4. Remarks	and/or exceptions	5		
30 ICE	: AN	D RAIN PROTE	<u> </u>	אנ <u>י</u>	1	1				
71-02	Dra	in Mast Heater	С	-	0	provided: a) Water associ lavator b) Proced establi ensure galley used.	supply to the ated galley and ry is secured of dures are shed and used that the associank drain is no	l f, and to iated t		
71-03	Dra	ain Port Heater				dr	ainage system e inhibited.			
						(0) 14				
-01 ***	170 190	BRAER 0/175/190/195/ 0 FREIGHTER/ IEAGE 1000	D	1	0	provided tand galley	ne inoperative the forward lavant in a sink drain are the pround if OAT is C (32°F).	not		
						NOTE 1:	The forward lavatory and g sinks may be on ground if C greater than the limit above.	used OAT is		
						NOTE 2:	Potable water inflight drainag system will be inhibited if OA below 5 °C (4	ge T is		
						(Continue	d)			

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	ERJ 170/ERJ 190		Dan	air c	ategory	30-16
Syster		١			nber installed	
Seque No.					Number required for dispatch	
					4. Remarks and/or exception	s
30 ICE	AND RAIN PROTEC	TIC	N	1	1	
71-03	Drain Port Heater (Continued)					
-02	EMBRAER 190-E2/ 195-E2	С	1	0	May be inoperative provi Potable Water System is drained on ground when is below 0 °C (32 °F).	not
					NOTE: Potable water inf drainage system be inhibited if OA below 5 °C (41 °F	will T is
71-04	Potable Water Fill/Drain Nipple Heater (EMBRAER 190-E2/ 195-E2)					
-A		С	1	0	(M) May be inoperative provided alternate proceare established and used	
-В		D	1	0	May be inoperative provi operations do not require use.	

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Airplan					Revision 18	Page
	ERJ 170/ERJ 190		2en:	air c	ategory	30-17
Syster					ber installed	
Seque No.				3. 1	Number required for dispatch	
					4. Remarks and/or exception	s
30 ICE	AND RAIN PROTEC	TIC	N	1		
71-09	Lavatory Thermostat Unit (EMBRAER 190-E2/ 195-E2)					
-01	Water Temperature Control Function	С	-	0	(M) May be inoperative provided Water Heater is deactivated.	;
-02	Faucet timer function					
-A		С	-	0	(M)(O) May be inoperative provided:a) Associated Thermost. Unit is deactivated, at b) Alternate procedures established and used	at nd are
-B		C	_	0	(M) May be inoperative provided: a) Associated manual shalve is deactivated closed, and b) Associated lavatory docked and placarded "INOPERATIVE - DOENTER".	loor is

	MASTER MINIMUM EQUIPMENT LIST									
Airplan					Revision 18	Page				
	ERJ 170/ERJ 190	_	?en:	air c	ategory	30-18				
Syster			Repair category Number installed							
Seque No.					lumber required for dispatch					
140.					4. Remarks and/or exceptions	s				
30 ICE	AND RAIN PROTEC	TIC	N	1						
71-11	Fill/Drain Valve Heater (EMBRAER 190-E2/ 195-E2)	С	1	0	May be inoperative provi Fill/Drain Valve is consid inoperative.					
71-50 ***	Freeze Protection Kit (FPK) (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)					 				
-A		С	-	-	 (M) Individual componen may be inoperative provi a) FPK is tested operation once each flight day, b) Potable Water System drained when parking below water freezing conditions. 	ded: onal and n is				
					NOTE 1: Any portion of system which operates norm may be used.					
					NOTE 2: Water System be serviced an used.					
-B		С	1	0	 (M) May be inoperative provided: a) Potable Water System drained and not used. b) Procedures are established and used ensure that the Potab Water System is not serviced. 	, and to				

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Airplane	ERJ 170/ERJ 190				Revision 18	Page 30-19					
	LIG 170/LIG 190	_	Repa	air c	ategory	30-19					
System & Sequence	ITEM		2. 1	Num	ber installed						
No.				3. 1	Number required for dispatch 4. Remarks and/or exception	•					
30 ICE AL	ND RAIN PROTEC	TIC)N		4. Nemarks and/or exception	<u> </u>					
		<u> </u>									
81-00 Ice	Detector System										
-A		С	2	0	Except for ER operations May be inoperative provi airplane is not operated known or forecast icing conditions.	ided					
-B		С	2	0	(O) May be inoperative provided: a) Ice Protection MODE is tested before each and b) Engine and Wing Ant Systems are operated manually.	flight, i-Ice					

	MASTER MINIMUM EQUIPMENT LIST									
Airplan				Revision 18	Page					
	ERJ 170/ERJ 190	1 1	2an	air c	rategory	31-1				
Syster			1. Repair category 2. Number installed							
Seque No.			3. Number required for dispatch							
					4. Remarks and/or exceptions					
31 INC	ICATING/RECORDIN	G S	SYS	STE	EMS					
00-00	Status Synoptic Displays (MFD Status Page)	С	2	0	(O) MFD Indications not addressed elsewhere in the MMEL may be inoperative					
21-00	Clock System									
-01	Time Function on Digital Clock (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	1	0	May be inoperative provid at least one Time Function MFD Status Page operate normally.	n on				
-02	Time Function on MFD Status Page									
-A		С	2	1		-				
-B	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	A	2	0	May be inoperative provid a) Time Function on Digit Clock operates normal b) At least one Cockpit Vo Recorder (CVR) functio operates normally, and c) Repairs are made with flight days.	al ly, oice on I				

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Airplane	eRJ 170/ERJ 190)			Revision 18	Page 31-2				
Syster Seque	n &			Num	ategory ber installed	0.2				
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions					
31 IND	ICATING/RECORDIN	IG S	SYS	STE						
22-00	Chronometer System									
-01	Chronometer Function on Digital Clock (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	1	0	May be inoperative provid at least one Chronometer Function on PFD operates normally.					
-02	Elapsed Time Function on Digital Clock (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	1	0		I				
-03	Chronometer Function on PFD									
-A		С	2	1						
-B	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	С	2	0	May be inoperative provid Chronometer Function on Digital Clock operates normally.	ed 				

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Airplan	e ERJ 170/ERJ	400			Revision 18	Page 31-3				
			Repa	air c	ategory	31-3				
Syster Seque			2. 1	Num	ber installed					
No				3. 1	Number required for dispatch					
					4. Remarks and/or exception	S				
31 INE	DICATING/RECOR	DING	SYS	STE	:MS					
31-00	Digital Voice-Data Recorder (DVDR) System									
-01	Cockpit Voice Recorder (CVR) Function									
-A		С	2	1						
-B		A	2	0	May be inoperative provi a) At least one Flight Da Recorder (FDR) funct operates normally, an b) Repairs are made wit three flight days. (Continued)	ita tion id				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190)			Revision 18	Page 31-4				
Syster	n &	1. I			ategory					
Seque			2. I		ber installed					
No.				3. 1	Number required for dispatch 4. Remarks and/or exception	<u> </u>				
31 INC	ICATING/RECORDII	NG S	SYS	STE		<u> </u>				
	Digital Voice-Data Recorder (DVDR) System (Continued)									
-02	Flight Data Recorder (FDR) Function									
-A		С	2	1						
-B		A	2	0	May be inoperative provi a) At least one Cockpit \ Recorder (CVR) funct operates normally, b) Airplane is not dispate from a designated air as listed in the operat MEL unless: 1-The FDR failure occ after pushback but pr takeoff, or 2-The FDR repair was attempted but was no successful. c) In those cases where repair is attempted bu successful, the aircra may be dispatched or flight or series of fligh until the next designa airport where repair in be accomplished prio dispatch, and d) Repairs are made wit three flight days. (Continued)	Voice tion ched port cor's curs ior to state the ted nust r to				

A i ma la m		NIN	1UN	ΛE	QUIPMENT LIST	Dana			
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 31-5			
Syster			Repa	air c	ategory				
Seque			2. 1		ber installed				
No.				3. r	Number required for dispatch 4. Remarks and/or exceptions	s			
31 INC	ICATING/RECORDIN	IG S							
31-00	Digital Voice-Data Recorder (DVDR) System (Continued)								
-02	Flight Data Recorder (FDR) Function (Continued)								
-C	DFDR Recording Parameters required by local regulations	A	-	-	Up to three recording parameters may be inoperative provided: a) At least one Cockpit \(\text{Recorder (CVR) funct operates normally, an b)} \) Repairs are made with 20 calendar days.	ion d			
-D	DFDR Recording Parameters not required by local regulations	Α	-	-	May be inoperative provious repairs are made prior to completion of the next he maintenance visit.	the			
-03 ***	CVR Independent Power Supply								
-A		С	-	0					
-B		D	_	1					
-04	Underwater Locator Beacon (ULB)	С	2	1	May be inoperative provious associated Flight Data Recorder (FDR) Function Cockpit Voice Recorder (CVR) Function are considered inoperative.				
32-00	Quick Access Recorder (QAR)	D	1	0					
41-03	Aircraft Personality Module (APM)	С	4	2					

	MASTER MI	NIN	1UN	ΛE	QUIPMENT LIST	
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 31-6
System			Repa	air c	ategory	
Syster Seque			2. 1		ber installed	
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions	
31 INF	DICATING/RECORDIN	IG S	SYS	:TF		
			<u> </u>	<u> </u>		
41-08	Modular Avionic Unit (MAU) Fans					
-01	MAU 1 Fans					
-A	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	С	4	3		I
-B	EMBRAER 190-E2/ 195-E2	С	3	2		
-02	MAU 2 Fans	С	3	2		
-03	MAU 3 Fans (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	3	2		I
41-30	Configuration Monitor System (CMS)	С	2	1		
51-00	Aural Warning System					
-01	Channels	С	2	1	May be inoperative provice all Master Warning/ Cauting Pushbuttons/ Annunciator are operative.	on
51-01	Takeoff Configuration (T/O CONFIG) Button	С	1	0	(O) May be inoperative provided Takeoff Configuration Warning is verified to operate normal before each flight.	lly

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	ERJ 170/ERJ 190				Revision 18	Page 31-7					
Syster	n &	1. I			ategory						
Seque	nce ITEM		2. 1	Number installed 3. Number required for dispatch							
No.					4. Remarks and/or exception	S					
31 IND	ICATING/RECORDIN	IG S	SYS	STE	MS						
52-01	Master Warning/Caution Pushbuttons/ Annunciators										
-01	Warning Lights	С	2	1							
-02	Warning Alarm Cancel Function	С	2	1							
-03	Caution Lights	С	2	1							
-04	Caution Alarm Cancel Function	С	2	1							
60-00 ***	Electronic Checklist (ECL)										
-A		С	-	0	(O) May be inoperative provided alternate procedure established and used						
-B		D	-	0	May be inoperative provi procedures do not requir use.						
61-00	Synthetic Vision System (SVS)	С	2	0	(O) May be inoperative provided system is verific deactivated.	∍d					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	ERJ 170/ERJ 190				Revision 18	Page 31-8					
_		1. I	Repa	air c	ategory	31-0					
Syster Seque				2. Number installed							
No.				3. Number required for dispatch							
04 INIE	NOATING/DECORDIN		22/6	\	4. Remarks and/or exception	<u>s</u>					
31 INL	ICATING/RECORDIN	G :	5 Y 3		:IVIS						
61-01	Display Units (DU)										
-A	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	A	5	4	 (M)(O) RH MFD or RH PLH PFD may be inoperated. a) Associated display undeactivated, b) All CCD buttons, known and touch pad operated normally on the associated, c) Displays MFD MODE Knobs are verified to operate normally, d) IESS operates normal and e) Repairs are made with flight days. 	tive nit is bs e ciated					
-B	EMBRAER 190-E2/ 195-E2	A	4	3	 (O) LH MFD or RH MFD be inoperative provided: a) All CCD buttons, known and touch pad operations normally on the associate, b) DISPLAYS MODE known are verified to operate normally, c) IESS operates normal and d) Repairs are made with flight days. 	os e ciated obs e					
61-02	Reversionary Panel (ADS/IRS) Pushbutton Illumination	С	4	0	(O) May be inoperative provided associated pushbutton is verified operative.						

	MASTER MINIMUM EQUIPMENT LIST										
Airplar					Revision 18	Page					
	ERJ 170/ERJ 190		200	-i	and a service	31-9					
Syste		1. 1	2. I	air category Number installed							
Sequ					Number required for dispatch						
			4. Remarks and/or exceptions								
31 IN	DICATING/RECORDIN	IG :	SYS	STE	MS						
61-03	Display Unit Advanced Graphics Module (DU AGM) (EMBRAER 190-E2 and 195-E2, Post- Mod. Load 9.0)	Α	4	3	 (O) LH MFD AGM or RH AGM may be inoperative provided: a) Affected AGM is deactivated, b) Associated DU is considered inoperativ and c) Repairs are made wit flight days. 	e,					
61-04	EICAS Declutter Override (EICAS FULL) Button	D	1	0							
61-10	Display Controller Panels										
-01	Horizontal Situation Indicator (HSI) Mode Selector Buttons										
-A		С	2	0							
-B		D	2	1							
-02	Weather Radar (WX) Buttons	D	2	0							
-03	FMS Source Selector Buttons	С	2	0	May be inoperative provi procedures do not requir their use. (Continued)						

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Airplan					Revision 18	Page					
	ERJ 170/ERJ 190		Ran	air c	ategory	31-10					
Syste		'''		Num	ber installed						
Seque			3. Number required for dispatch								
			4. Remarks and/or exceptions								
31 INI	DICATING/RECORDIN	IG :	SYS	STE	MS						
61-10	Display Controller Panels (Continued)										
-04	RA/BARO Selector Knobs	С	2	0	May be inoperative provi the setting required for the intended approach is available.						
-05	Decision Height/Minimum Descent Altitude (MINIMUMS) Selector Knobs										
-A		С	2	1	May be inoperative provi approach minimums do require their use.						
-В		A	2	0	 (O) May be inoperative provided: a) EGPWS is considere inoperative, b) Operations do not redits use, and c) Repairs are made wit two flight days. (Continued) 	quire					

<u></u>	MASTER MI	NIN	<u>IUN</u>	<u> 1</u> E	QUIPMENT LIST	
Airplan	ERJ 170/ERJ 190				Revision 18	Page 31-11
			Repa	air c	ategory	31-11
Syster Seque			2. 1	Num	ber installed	
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions	
31 INF	DICATING/RECORDIN	IG S	SYS	:TF		•
61-10	Display Controller Panels (Continued)					
-06	Navigation Source Selector Buttons					
-A	V/L Source Selector Buttons (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	2	0	May be inoperative proving procedures do not require their use.	
-B	NAV Source Selector Buttons (EMBRAER 190-E2/ 195-E2)	С	2	0	May be inoperative proving procedures do not require their use.	
-07	Preview (PREV) Buttons	D	2	0		
-08	Flight Path Reference (FPR) Buttons	С	2	0		
-09	ADF/VOR/FMS Bearings (Circle/Diamond) Selector Buttons	С	4	-	May be inoperative provious procedures do not require their use.	
-10	Standard Barometric Pressure (PUSH STD) Buttons	D	2	0		
-11	IN/hPa Selector Knobs	С	2	0	May be inoperative provi- required units for the inte flights are available.	

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Airplan					Revision 18	Page					
	ERJ 1/0/ERJ 190		Ran:	air c	rategory	31-12					
			2. Number installed								
				3. 1							
						S					
31 INC	DICATING/RECORDII	NG S	SYS	STE	MS						
62-01	Cursor Control Device (CCD)										
-01	Display Selection Buttons										
-A		В	6	5	be inoperative provided a remaining CCD buttons,	all					
-B	EMBRAER 190-E2/ 195-E2	В	6	4	inoperative provided butt associated with the same	Э					
-02	Enter Buttons	В	4	3	buttons, knobs and touch	n pad					
-03	Inner Tuning Knob	В	2	1	buttons, knobs and touch	n pad					
-04	Touch Pad	В	2	1							
	System Seque No. 31 INE 62-01 -01 -A -B -02	System & Sequence ITEM No. 31 INDICATING/RECORDII 62-01 Cursor Control Device (CCD) -01 Display Selection Buttons -A -B EMBRAER 190-E2/195-E2 -02 Enter Buttons	System & Sequence ITEM No. 31 INDICATING/RECORDING Sequence CCCD) -01 Display Selection Buttons -A B -B EMBRAER 190-E2/ 195-E2 -02 Enter Buttons B -03 Inner Tuning Knob B	System & Sequence ITEM No.	System & Sequence ITEM 1. Repair of 2. Num 3. I	Revision 18 Revision 18 Revision 18					

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	_			Rep	air c	ategory	<u> </u>				
Syster Seque					Num	ber installed					
No		; II LIVI			3. 1	Number required for dispatch					
						4. Remarks and/or exceptions					
32 LA	ND	ING GEAR		1	1	<u> </u>					
00-00	R	-BRK TO/HI/MED/LO dication on EICAS	С	1	0	May be inoperative provide Autobrake System is considered inoperative.	ed				
33-01	С	anding Gear ontrol Lever Lock olenoid	В	1	0	 (O) May be inoperative provided: a) EICAS message LG Wo SYS FAIL is not display and b) The downlock release button is verified to ope normally. 	ed,				
41-01	(E	heel Tie Bolts MBRAER 190-E2/ 95-E2)	A	92	91	 (M) One bolt may be damaged or missing provides a) Affected wheel is check for broken parts or damage, and replaced is broken parts or damage found, b) For a main landing gear wheel, associated brake checked for broken parts or damage, and is replaced if broken parts damage is found, c) After each landing, affected wheel is inspector additional broken or missing tie bolts, and d) Affected wheel is replace within ten flights. 	ed if e is r e is ts or				

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Airplan	e ERJ 170/E	ED I 100				Revision 18	Page 32-2				
	LIX3 17 0/L		1 R	?en:	air c	ategory	32-2				
Syste			Ī			ber installed		_			
Seque No		:IVI			3. 1	Number required for dispatch					
	•					4. Remarks and/or exceptions	<u> </u>				
32 LA	NDING GEAR										
41-02	Autobrake Sy	/stem									
-01 ***	EMBRAER 170/175/190/ 190 FREIGH LINEAGE 10	TER/						l			
-A			С	1	0	 (M)(O) May be inoperative provided: a) Autobrake Control Kn selected OFF and deactivated, b) Brake Temperature Sensors and Indication operate normally, and c) Alternate procedures established and used 	ob is ins l are				
-B		[D	1	0	(M) May be inoperative provided:a) Autobrake Control Mois removed, andb) Procedures do not redits use.					
-02	EMBRAER 195-E2	90-E2/	С	1	0	 (O) May be inoperative provided: a) Autobrake Control Kn selected OFF, b) Brake Temperature Sensors and Indicatio operate normally, and c) Alternate procedures established and used 	ns l are				
44-17	Emergency/F Brake Accum Pressure Transducers	-	С	2	0	(M) May be inoperative provided associated accumulator charge is ve within limits once each fli day.					

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Syster		'			nber installed						
Seque No.					Number required for dispatch						
140.	•				4. Remarks and/or exception	S					
32 LA	NDING GEAR		1	1	1						
44-30	Emergency/ Parking Brake Accumulators Pressure Indication on MFD	С	4	0	(M) May be inoperative provided associated accumulator charge is ve within limits once each fl day.						
47-01	Brake Temperature Sensors										
-A		С	4	3	(O) One may be inopera provided Landing Gear remains extended for seminutes after takeoff.						
					NOTE: In case of engine failure after V1, r the landing gear.	etract					
-B		С	4	0	 (O) May be inoperative provided: a) Landing Gear remain extended for seven minutes after takeoff, b) Brake cooling time according to AFM Qu Turn Around Weight limitations is complied 	and ick d with.					
					NOTE: In case of engine failure after V1, r the landing gear.	etract					

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			Ren	air c	ategory	32-4					
Syster					nber installed						
Seque No.					Number required for dispatch						
					4. Remarks and/or exception	s					
32 LA	NDING GEAR	1	1	1	T						
47-15	Brake Temperature Indication on MFD										
-A		С	8	6	(O) One indication per M may be inoperative provi Landing Gear remains extended for seven minu after takeoff.	ded					
					NOTE: In case of engine failure after V1, ro the landing gear.						
-B		С	8	0	 (O) May be inoperative provided: a) Landing Gear remains extended for seven minutes after takeoff, b) Brake cooling time according to AFM Qu Turn Around Weight limitations is complied 	and ick					
					NOTE: In case of engine failure after V1, ro the landing gear.						
49-11	Brake Assembly Wear Indicator										
-A		Α	8	7	One may be inoperative missing provided repairs made within 30 calendar	are					
-B		С	8	4	One per brake assembly be inoperative or missing						
49-13	Nose Wheel Spinbrakes	С	2	0	(M) May be missing or removed.						
49-15 ***	Tire Pressure Indicators	D	-	0							

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		_	Rep	air c	ategory	32-3				
Syster				2. Number installed						
Seque No.				3. 1	Number required for dispatch					
					4. Remarks and/or exception	S				
32 LA	NDING GEAR									
53-03	Rudder Pedals Nose Wheel Steering System	C	2	0	May be inoperative provi Handwheel Nose Wheel Steering System operate normally.					
53-07	Nose Wheel Steering Disengage Switches									
-01	Steering Disengage Switches on Yoke (EMBRAER 190-E2/ 195-E2)	С	2	1						
-02	External Steering Disengage Switch									
-A		С	1	0	 (O) May be inoperative provided: a) Affected switch is veri in ENGAGE position, b) Disengage Switch on is pressed before tow the airplane, and c) Parking brake and ste status are verified bef towing the airplane. 	yoke ing eering				
-B		С	1	0	 (M)(O) May be inoperative provided: a) Affected switch is deactivated, b) Disengage Switch on is pressed before tower the airplane, and c) Parking brake and steed status are verified before towing the airplane. 	yoke ing eering				

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Syster		'			nber installed	
Seque No.					Number required for dispatch	
110.					4. Remarks and/or exception	s
32 LAI	NDING GEAR			•		
61-00	Landing Gear Indication System					
-01	System Faults (EMBRAER 190-E2/ 195-E2)	С	-	-	May be dispatched with LG SHORT DISPATCH Advisory EICAS Messag	e.
61-11	195-E2) Towing Indication Lights	С	2		Advisory EICAS Messag (O) May be inoperative provided parking brake a steering status are verific before towing the airplan	ınd ed

m & ence SHTS Cockp Deck/F	Flight artment a ment Ligh	and	1. F		Num	Revision 18 ategory ber installed Number required for dispatch 4. Remarks and/or exceptions	Page 33-1
Cockp Deck/F Compa	it/Flight Flight artment a nent Ligh				Num	ber installed Number required for dispatch	3
Cockp Deck/F Compa	it/Flight Flight artment a nent Ligh			2. 1		Number required for dispatch	3
Cockp Deck/f Compa Instrur	Flight artment a ment Ligh				3. 1		5
Cockp Deck/f Compa Instrur	Flight artment a ment Ligh					4. Remarks and/or exceptions	•
Cockp Deck/f Compa Instrur	Flight artment a ment Ligh		C				
Deck/F Compa Instrur	Flight artment a ment Ligh		C				
			\sim				
				-	0	May be inoperative provious operations are not conduat night.	
			С		_	 c) Lighting configuration intensity is acceptable the flight crew, and d) Flight Deck emergence 	ect n eyes, and e to
						switch lights and/ annunciations/ indications are	or
Door L (EMBF	ights RAER		С	4	0		
	Door L (EMBF	Door Lights (EMBRAER		Door Lights (EMBRAER	Door Lights (EMBRAER	Door Lights (EMBRAER	flight crewmembers' e c) Lighting configuration intensity is acceptable the flight crew, and d) Flight Deck emergence lights operate normally NOTE: Individual button/ switch lights and/ annunciations/ indications are excluded from this relief. Main Deck Cargo Door Lights (EMBRAER flight crewmembers' e c) Lighting configuration intensity is acceptable the flight crewmembers' e c) Lighting configuration intensity is acceptable the flight crewmembers' e c) Lighting configuration intensity is acceptable the flight crewmembers' e c) Lighting configuration intensity is acceptable the flight crew, and d) Flight Deck emergence lights operate normally switch lights and/ annunciations/ indications are excluded from this relief. (M) May be inoperative provided alternate process are established and used

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_			Repa	air c	ategory	33-2							
Syster Seque				Num	ber installed								
No				3. 1	Number required for dispatch								
22 1 10	NITO				4. Remarks and/or exception	<u>s</u>							
33 LIG	піз	I	l	l									
12-01	Multi Channel Dimmer												
-01	01 Cockpit Lights OFF/BRT Knob		3	0	May be inoperative provi lighting configuration and intensity is acceptable to flight crew.	i							
-02	Glareshield Lights Knob												
-A	CHART OFF/BRT Knob	С	2	0	May be inoperative provi lighting configuration and intensity is acceptable to flight crew.	ı j							
-В	FLOOD/STORM OFF/BRT Knob	С	2	0	May be inoperative provilighting configuration and intensity is acceptable to flight crew.	ı j							
-C	STBY/CLK DIM/BRT Knob (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	1	0	May be inoperative provilighting configuration and intensity is acceptable to flight crew.	ı j							
-D	COMPASS DIM/BRT Knob (EMBRAER 190-E2/ 195-E2)	С	1	0	May be inoperative provilighting configuration and intensity is acceptable to flight crew. (Continued)	ı j							

	MASTER M	ININ	/UN	ΙE	QUIPMENT LIST	
Airplan	ERJ 170/ERJ 190)			Revision 18	Page 33-3
Cuatas					ategory	Į.
Syster Seque			2. 1	ber installed		
No				3. 1	Number required for dispatch	
00 1 10	LITO			<u> </u>	4. Remarks and/or exception	<u>s</u>
33 LIG			1	1		
12-01	Multi Channel Dimmer (Continued)					
-03	Display Units DIM/BRT Knob					
-A	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	В	5	4	One of LH PFD, RH MFD RH PFD DIM/BRT knobs be inoperative.	
-B	EMBRAER 190-E2/ 195-E2	В	4	3	One of LH MFD or RH M DIM/BRT knobs may be inoperative.	FD
-04	Annunciators Test Button	В	1	0		

Systen Sequer No. 33 LIG 21-00	n & nce SHTS	ITEM	_		air c	ategory	33-4
Sequer No. 33 LIG 21-00	HTS	ITEM	1.1		air c	ategory	
Sequer No. 33 LIG 21-00	HTS	ITEM			11	<u> </u>	
33 LIG 21-00	HTS			۷. ۱		ber installed	
21-00		22 LICUTO			J. I	Number required for dispatch 4. Remarks and/or exceptions	
21-00					<u> </u>	4. Remarks and/or exceptions	<u>, </u>
	O = l= :		ı	l			
-01		Interior nation System					
	EMBF 170/1	RAER 75/190/195					
-A			С			 (O) May be inoperative provided: a) No more than 10 perc of the ceiling lights are inoperative, b) No more than two adjaceiling lights in the longitudinal or lateral direction are inoperative. c) At least one light oper normally in the forward entrance area, aft entrarea, and forward gall area, d) Remaining operative I in the forward entrance area, forward galley a aft entrance area, and ceiling area operate in BRIGHT setting, e) Adequate cabin illumination remains for flight attendants to per their assigned duties, f) Cabin emergency ligh operate normally. (Continued) 	ve, ates d rance ey ights e rea, l or rform

A implem		VIAO I LIX IVII	IAIIA	IUI	/	QUIPMENT LIST	Domi	
Airplan		70/ERJ 190)			Revision 18	Page 33-5	
_		70/210 100		Repa	air c	ategory		
Syster		ITEM				ber installed		
Seque No.		I I EIVI			3. 1	Number required for dispatch		
						4. Remarks and/or exception	S	
33 LIG	HTS		,					
21-00	Cabin Int Illumination (Continue	on System						
-01	EMBRAE 170/175/ (Continue	190/195						
-B			C			 (O) May be inoperative provided: a) No more than 10 percof the ceiling lights are inoperative, b) No more than two adjaceiling lights in the longitudinal or lateral direction are inoperation. c) Photoluminescent Est Route Marking System charged 30 minutes of flight day before the fifflight of each day, d) Remaining operative ceiling lights operate BRIGHT setting, e) Adequate cabin illumination remains for flight attendants to pertheir assigned duties, f) Cabin emergency light operate normally. (Continued) 	e acent ive, cape n is each rst in or erform	

	MASTER MINIMUM EQUIPMENT LIST												
Airplan	e ERJ 170/ERJ 19	0			Revision 18	Page 33-6							
Syston	m P	1.			ategory	•							
Syster Seque			2. I		ber installed								
No				3. 1	Number required for dispatch								
20.1.10	NUTO.				4. Remarks and/or exception	S							
33 LIG	9H15	1	1	ı	T								
21-00	Cabin Interior Illumination System (Continued)												
-02	EMBRAER 190 FREIGHTER	С	15	0	(M) May be inoperative provided alternate proceare established and used illuminate the Main Deck Cargo compartment.	d to j							
-03	LINEAGE 1000	С	-	-	Individual lights may be inoperative provided: a) No more than 10 perconference of the ceiling lights an inoperative, b) No more than two adjusting lights in the longitudinal or lateral direction are inoperation and c) Cabin emergency light operate normally.	e acent ive,							
-04	EMBRAER 190-E2/ 195-E2	С	-	_	May be inoperative provi a) No more than one cel light is inoperative pe ceiling light panel, b) Ceiling light panels w inoperative lights are separated by at least ceiling light panels wi lights operative, c) Adequate cabin illumination remains f flight attendants to pe their assigned duties, d) Cabin emergency ligh operate normally.	illing r ith two th all or erform and							

	MASTER MINIMUM EQUIPMENT LIST											
Airplan	e ERJ 170/ERJ 19	20	Revision 18 Page 33-7									
			Ren	air c	ategory	33-1						
Syster		' ' '			ber installed							
Seque No.					Number required for dispatch							
					4. Remarks and/or exception	s						
33 LIG	HTS		1	1	1							
21-01	Interior Emergency Lights (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)	С	-	0	 (O) May be missing or inoperative provided: a) No passengers are cab) A maximum of 19 per are carried as authoriby local regulations for non-passenger-carryi operations, and c) Alternate procedures established and used 	rsons zed or ng are						
21-10	Cabin Sidewall Lights (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)	C			May be inoperative provi sufficient lighting is availated for flight attendants to per their assigned duties.	able						

				-	QUIPMENT LIST	_
e FRI	170/ER I 1	٩n			Revision 18	Page 33-8
	170/LIX3 I		2an	air c		
		'''				
	ITEM			3. 1	Number required for dispatch	
•				•		s
HTS						
	0:					
(EMBR. 170/175 190-E2	ĂER 5/190/195/ /195-E2/					
		С	-	-	flight attendant seat or lavatory may be occupied from which a "No Smoking/Fasten Seat Be Return to Seat" sign is no readily legible and that se	d elt/ ot eat or
		C	-		Belt/Return to Seat" sign may be inoperative and the affected passenger seat (flight attendant seat(s) or lavatory(ies) may be occuprovided: a) The passenger addressystem operates normand can be clearly heathroughout the cabin during flight, and b) The passenger addressystem is used to not flight attendant and	s he s), upied ss nally ard ss
	Passen Ordinar Passen (EMBR. 170/175	n & nce ITEM	Passenger Signs/ Ordinance Sign Passenger Signs (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000) C	n & ITEM 2. IT	1. Repair of 2. Num 3. N	1. Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exception 3. Number required for dispatch 4. Remarks and/or exception 4. Remarks and/or exception 5. C (M)(O) No passenger set flight attendant seat or lavatory may be occupied from which a "No Smoking/Fasten Seat Be Return to Seat" sign is not readily legible and that so lavatory must be blocked placarded "DO NOT OCCUPY". C (O) "No Smoking/Fasten Belt/Return to Seat" sign may be inoperative and the affected passenger seat (flight attendant seat(s) or lavatory(ies) may be occupied flight attendant seat(s) or lavatory(ies) may be occupied flight attendant seat (s) or lavatory(ies) may be occupied and the seat of lavatory(ies) may be occupied flight attendant seat (s) or lavatory(ies) may be occupied flight, and b) The passenger addressystem is used to not flight attendant and passengers when seat or not flight

	MASTER MI	NIN	1UN	ΙE	QUIPMENT LIST			
Airpland	ERJ 170/ERJ 190			Revision 18	Page 33-9			
Syster	n &	1. F	Repair category					
Seque			2. 1		ber installed			
No.				З. Г	Number required for dispatch 4. Remarks and/or exceptions	:		
33 LIG	HTS	1			4. Remarks unarer exceptions	<u>'</u>		
	Passenger Signs/ Ordinance Sign (Continued)							
-01	Passenger Signs (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000) (Continued)					 		
-C		С	-	-	May be inoperative provio passengers are not carrie			
-02	Ordinance Sign (EMBRAER 190 FREIGHTER)	С	1	0	(O) May be inoperative provided alternate proced are established and used notify the supernumerary when associated sign is pON or OFF.	to j		
23-03	Lavatory Occupied Signs (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)	D	-	0		 		
23-09	Cockpit Sterile Light (EMBRAER 170/175/190/195/ 190-E2/195-E2)	С	2	0	(O) May be inoperative provided alternate proced are established and used			
26-00	Courtesy Lights System	С	1	0	May be inoperative provious sufficient light is available stairs region.			

MASTER MINIMUM EQUIPMENT LIST											
Airplane		170/ERJ 190				Revision 18	Page 33-10				
Syster		1707210 100				ategory	00 10				
Seque	nce	ITEM		2. 1		ber installed lumber required for dispatch					
No.						4. Remarks and/or exceptions	 }				
33 LIG	HTS										
28-00	Lavatory System	Lights									
-A			С	-	0	(O) May be inoperative provided affected lavatory door is locked and placar "INOPERATIVE - DO NO ENTER".	ded	1			
						NOTE: This proviso is no intended to prohib lavatory use or inspections by crewmembers.					
-B			D	1	1	Individual lights may be inoperative provided remaining lights are suffic for lavatory illumination.	pient				
28-07	Engage Switch (EMBRA	SER /190/195/ 195-E2/	С	2	0	(O) May be inoperative provided:a) Lavatory Manual Switch verified operative, andb) Lavatory Manual Switch used to operate the lavatory lights.	ł				
28-09	Lavatory Switch (EMBRA 170/175, 190-E2/ LINEAG	SER /190/195/ 195-E2/	С	2	1						

	MASTER MINIMUM EQUIPMENT LIST												
Airplan	e ERJ 170/ERJ 19	Λ			Revision 18	Page 33-11							
		_	Rep	air c	ategory	33-11							
Syster					ber installed								
Seque No.				3. 1	Number required for dispatch								
			4. Remarks and/or exceptions										
33 LIG	SHTS	1	1	1									
31-00	Forward and Aft Cargo/Baggage Compartment Lights	С	-	0									
31-02	Cargo Compartment Light Cages	t C	-	0	Any number of light cage may be damaged or miss provided the affected light lens is checked not to be cracked or broken after eargo unloading.	sing nt :							
32-00	Service Compartment Lights	С	-	0									
41-00	Landing Lights												
-A	C C	С	3	2	NOTE: For aircraft with L lights installed, th Landing Lights a considered inope when any individ LED light bulbs a inoperative.	ne re erative ual							
-B		С	3	0	May be inoperative provi aircraft is not operated a night.								
					NOTE: For aircraft with I lights installed, the Landing Lights at considered inope when any individ LED light bulbs at inoperative.	ne re erative ual							
42-00	Taxi Lights	С	3	0									

	MASTER M	NIN	1UN	/I E	QUIPMENT LIST	
Airplan	e ERJ 170/ERJ 190	,			Revision 18 Pag	
			Repa	air c	category	
Syster Seque				Num	ber installed	
No.				3. 1	Number required for dispatch	
22 1 10	ПТС		<u> </u>		4. Remarks and/or exceptions	
33 LIG	піз	1	ī	l		
43-00	Navigation Lights					
-01	Aircraft Equipped With Two Navigation Lights System	C	8	4	 (M) Any light may be inoperative provided: a) Navigation light switch in the maintenance panel is set manually, and b) The following minimum configuration is complied with: 1-One green light at the right forward wing tip position, 2-One red light at the left forward wing tip position, and 3-One white light at each aft wing tip position. 	
-02	All Configurations	С	-	0	May be inoperative provided aircraft is not operated at night.	
44-00	Wing Inspection Lights	С	2	0	May be inoperative provided ground de-icing procedures do not require their use.	
45-00	Red Beacon Lights	С	2	0	(O) May be inoperative provided strobe lights operate normally.	· e
46-00	Logo Lights	D	2	0		

	MASTER M	ININ	1UN	ΙE	QUIPMENT LIST	
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 33-13
Syster	n &	1. I	Repair ca			
Seque	nce ITEM		2. 1		ber installed lumber required for dispatch	
No.				J. 1	4. Remarks and/or exceptions	S
33 LIG	HTS					
47-00	Strobe Lights					
-A	Airplanes with LED Red Beacon Lights	В	4	0	 (O) May be inoperative provided: a) Both Red Beacon are operative and turned throughout the flight, b) Navigation lights are operative and turned throughout the flight, c) Aircraft is not operate night. 	ON ON and
-B	Airplanes with LED Red Beacon certified as anti- collision lights	С	4	0	May be inoperative provi- both Red Beacon operations and ally.	
-C	Airplanes with Xenon Red Beacon Lights	С	4	0	(M) May be inoperative provided RED BCN switch the Cockpit Maintenance Panel is set to "BRT".	
50-01	Emergency Lighting Power Unit (ELPU) (EMBRAER 190-E2/ 195-E2)	В	6	5	ELPU AFT 1 may be inoperative provided: a) Photoluminescent Est Route Marking Syster operative, b) Forward and OWE Extocator Signs are operative, and c) Aircraft is not operate night.	n is kit

MASTER MINIMUM EQUIPMENT LIST										
Airplane	VED 1400				Revision 18	Page				
	D/ERJ 190	1. F	Repa	air c	ategory	33-14				
System & I'	TEM				ber installed					
No.	TEM			3. 1	Number required for dispatch					
					4. Remarks and/or exception	S				
33 LIGHTS		1	1	1						
50-14 Exit Indicat	or Signs	В	-	ı	 May be inoperative provi a) Photoluminescent Es Route Marking Syster operative, and b) All Exit Identifier Sign Exit Marking Signs are Exit Locator Signs are operative. 	cape m is s,				
50-15 Exit Identifi	er Signs	Α	1	-	One may be inoperative provided: a) Associated exit is considered inoperative and b) Repairs are made wit five flights.	į				
					NOTE: If any twin overwexits are served I single sign, both should be considinoperative.	by a exits				
50-17 Exit Markin	g Signs	В	-	1	May be inoperative provi a) Photoluminescent Es Route Marking Syster operative, and b) All Exit Indicator Sign Exit Identifier Signs a Exit Locator Signs are operative.	cape m is s, nd				
50-19 Exit Locato	r Signs	В	-	-	May be inoperative provi a) Photoluminescent Es- Route Marking Syster operative, and b) All Exit Indicator Sign Exit Identifier Signs a Exit Marking Signs ar operative.	cape m is s, nd				

Airplan		J 170/ERJ 19	0			Revision 18	Page 33-15
Syste	m & ence	ITEM			Num	ategory sber installed Number required for dispatch	100 10
No						4. Remarks and/or exception	s
33 LIC	HTS		1	ı	1	Ī	
50-21 -01	Escape	uminescent e Route g System	С			Up to 10 percent of all	
01		5/190/195				Photoluminescent Escap Route Marking sections be inoperative or missing	may
-02		AER 5/190/195/ 2/195-E2					
-A			C		-	May be inoperative or miprovided: a) All strips marking inclor or right angle intersed including cross aisles overwing exits, are operative, b) The sections of inope or missing strips have maximum length of 0. (10 inches), c) Two sections of inoperative or missing strips are separated be least 2.0 m (78.74 incompany) and d) Along each aisle axis strips within one meter strips marking angled intersections are operatived.	ined ctions, and rative a 25 m ches), all er of

	MASTER MINIMUM EQUIPMENT LIST										
Airpla	ane	ED 470/ED 400			Revision 18						
		ERJ 170/ERJ 190		1. Repair category							
Sys						nber installed					
Seq	uend No.	ce ITEM				Number required for dispatch					
						4. Remarks and/or exception	s				
33 L	IGH	ITS									
50-2	E	Photoluminescent Escape Route Marking System Continued)									
-02		EMBRAER 170/175/190/195/ 190-E2/195-E2 Continued)									
-B			С			(O) May be missing or inoperative provided: a) No passengers are cab) A maximum of 19 per are carried as authority by local regulations for non-passenger-carryity operations, and c) Alternate procedures established and used	rsons zed or ng are				

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	ERJ 170/ERJ 190)			Revision 18	Page 33-17					
			Repa	air c	ategory						
Syster					ber installed						
Seque No.				3. I	Number required for dispatch						
110.	1				4. Remarks and/or exception	s					
33 LIG	HTS	1	1	1	1						
50-25	External Overwing Emergency Lights										
-01	EMBRAER 190/195/ 190-E2/195-E2/ LINEAGE 1000	В	-	0	May be inoperative provi aircraft is not operated at night.						
-02	EMBRAER 190/195/ 190-E2/195-E2										
-A		Α	-	-	One or more lights on on side only may be inopera provided: a) Associated Overwing Emergency Exit Door considered inoperativ and a) Repairs are made wit five flights.	ative is e,					
-B		С	-	0	 (O) May be missing or inoperative provided: a) No passengers are cab) A maximum of 19 per are carried as authoriby local regulations for non-passenger-carryioperations, and c) Alternate procedures established and used 	sons zed or ng are					
50-29	External Exit Door Emergency Lights (EMBRAER 190-E2/ 195-E2)	В	4	0	May be inoperative provi aircraft is not operated at night.						
50-30	Exit Markings				Deleted, Revision 18 (Included in items 33-50- 33-50-15, 33-50-17 and 33-50-19).	14,					

	MASTER MINIMUM EQUIPMENT LIST											
Airplan	e ERJ 170/ERJ 190				Revision 18	Page						
			Repa	air c	ategory	34-1						
Syster				2. Number installed								
Seque No.				3. I	Number required for dispatch							
04.014		<u> </u>			4. Remarks and/or exceptions	8						
34 NA	VIGATIONS	1	ı	ı	1							
11-00	Integrated Electronic Standby System (IESS)											
-01	Standby Attitude Indication											
-A		С	1	0	May be inoperative provious not required by local regulations.	ded						
-B		В	1	0	May be inoperative provious) a) Operations are condustin Day VMC only, and b) Operations are not conducted into known forecast over-the-top conditions.	cted						
-02	STD Baro Button	С	1	0	May be inoperative provious BARO knob on the IESS operates normally.	ded						
-03	Brightness Buttons	С	2	0	May be inoperative provious brightness level is accept to the crew.							
-04	CAGE Button											
-A		В	1	0	(O) May be inoperative provided IESS is reinitiali before each flight.	zed						
-B		В	1	0	May be inoperative provious IESS attitude indication is considered inoperative.							
-05	VMO/MMO Barber Pole	С	1	0	May be inoperative provide VMO Flag is displayed.	ded						

	MASTER MINIMUM EQUIPMENT LIST										
Airplan		170/ERJ 190)			Revision 18	Page 34-2				
Cuata	O		1. I	Repa	air c	ategory					
Syster Seque		ITEM		2. 1		ber installed					
No		<u></u>			3. 1	lumber required for dispatch					
						4. Remarks and/or exception	S				
34 NA	VIGATIO	NS		I	1						
15-03	Total Air Tempera Sensors	iture (TAT)									
-A			В	2	1	 (O) May be inoperative provided: a) Autopilot and Autothroare not coupled to the affected Air Data Systand b) TAT Heater associate with operative TAT series operative. 	e tem, ed				
-B			В	2	1	(O) Except for ER operating may be inoperative provious). Autopilot and Autothmare not coupled to the affected Air Data Systand. b) Airplane is not operativisible moisture or in known or forecast icir conditions.	ded: ottle e tem, ed in				

	MASTER MI	NIN	1UN	ΙE	QUIPMENT LIST			
Airplan	e ERJ 170/ERJ 190	Revision 18 Page 34-3						
			Repa	air c	ategory	34-3		
Syster Seque				Num	ber installed			
No.				3. 1	Number required for dispatch			
24 NIA	VICATIONS				4. Remarks and/or exceptions	;		
<u>34 NA</u>	VIGATIONS	T						
15-07	Static Air Temperature (SAT) Indications							
-01 EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000		С	6	0		I		
-02	EMBRAER 190-E2/ 195-E2							
-A	MFD Status Page SAT Indications	С	2	0	May be inoperative provio MFD Map/Plan Display S indications are operative.	AT		
-B	MFD Map/ Plan Display SAT Indications	С	2	0	May be inoperative provio MFD Status Page SAT indications are operative.			
-C	SAT Indications on MCDU Air Data Menu	С	2	0				
15-09	True Airspeed (TAS) Indications on MFD	С	4	0				

	MASTER MINIMUM EQUIPMENT LIST										
Airplane		70/ERJ 190)			Revision 18	Page 34-4				
				Repa	air c	ategory					
Systen		ITEM		2. Number installed							
Sequer No.		I I EIVI			3. 1	Number required for dispatch					
						4. Remarks and/or exception	S				
34 NA	VIGATION	IS	1	1	ı						
23-00	Standby I Compass										
-A			В	1	0	May be inoperative provi aircraft is operated with I Independent Navigation Capability and under Pos Radar Control by ATC or enroute phase of flight.	Dual sitive				
-B			С	1		May be inoperative provi a) Aircraft is operated w Dual Independent Navigation Capability b) Two GPS operate normally.	ith				

	MASTER M	ININ	1UN	ΛE	QUIPMENT LIST	
Airplan	ERJ 170/ERJ 190	1			Revision 18	Page 34-5
			Repa	air c	ategory	34-3
Syster Seque				Num	ber installed	
No.				3. 1	Number required for dispatch	
					4. Remarks and/or exceptions	S
34 NA	VIGATIONS	1	<u> </u>	1		
25-00 ***	Head Up Guidance System (HGS) (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)					I
-A		С	2	1	(O) May be inoperative provided alternate proced are established and used	
-B		D	-	0	May be inoperative provious operating procedures do require its use.	
-01	LVTO mode	D	-	0	May be inoperative provious operations do not require use.	
					NOTE: Any mode which operates normally may be used.	у
-02	HUD A3 mode	D	-	0	May be inoperative provious operations do not require use.	
					NOTE: Any mode which operates normally may be used.	y
					(Continued)	

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	ERJ 170/ERJ 190	_	Revision 18 Page 34-6								
			Repa	air c	ategory 34-	0					
Syster			2. 1	Num	ber installed						
Seque No.				3. 1	Number required for dispatch						
					4. Remarks and/or exceptions						
34 NA	VIGATIONS		1	1							
25-00	Head Up Guidance System (HGS) (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000) (Continued)										
-03	Release Lever										
-A		С	2	1	 (M)(O) May be inoperative provided: a) The associated HGS Combiner is removed, and b) Alternate procedures are established and used. 	d					
-B		D	-	0	 (M) May be inoperative provided: a) The associated HGS Combiner is removed, and b) Operations do not require its use. 						

	MASTER M	ININ	1UN	ΙE	QUIPMENT LIST	_
Airplane	e ERJ 170/ERJ 190				Revision 18	Page
	EKJ 1/0/EKJ 190		Rena	air c	<u> </u> ategory	34-7
Systen Seque				Num	ber installed	
No.				3. 1	lumber required for dispatch	
					4. Remarks and/or exception	<u>s</u>
34 NA	VIGATIONS	1	1	1		
27-00 ***	Enhanced Flight Vision System (EFVS) (LINEAGE 1000)	D	1	0	 (M) May be inoperative provided: a) System is deactivated b) Approach minimums operating procedures not require its use, and c) Associated Head Up Guidance System is considered inoperative 	or do id
31-00	Radar Altimeter System					
-A	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	С	2	1	(M)(O) May be inoperative provided:a) System is deactivatedb) Approach minimums operating procedures not require its use.	d, and or
-B	EMBRAER 170/175/190/195/ 190 FREIGHTER	Α	-	0	 (M)(O) May be inoperative provided: a) System is deactivated by Approach minimums of operating procedures not require its use, c) Ground Proximity Was System (GPWS) Model 1-4, Model 5, Advisory Callouts and Windshed Model are considered inoperative, d) Traffic Alert and Collist Avoidance System (Tis considered inoperation and e) Repairs are made with two flight days. (Continued) 	d, or do rning es / ear sion CAS)

	MASTER MI	NIN	1UN	/I E	QUIPMENT LIST	
Airplan	e ERJ 170/ERJ 190)			Revision 18	Page 34-8
Syster Seque No.	n & nce ITEM			Num	ategory ber installed lumber required for dispatch	
31 NA	VIGATIONS				4. Remarks and/or exceptions	
	Radar Altimeter System (Continued)					
-C	LINEAGE 1000	A	_	0	 (M)(O) May be inoperative provided: a) System is deactivated, b) Approach minimums of operating procedures of not require its use, c) Ground Proximity Warrs System (GPWS) Mode 1-4, Mode 5, Advisory Callouts and Windshead Mode are considered inoperative, d) Traffic Alert and Collisis Avoidance System (To is considered inoperatie) e) The Internal Door Warrs System is considered inoperative, f) The SATCOM Cockpit Phone is inhibited befortakeoff and landing, and g) Repairs are made with two flight days. 	rido ning es ar ion CAS) ive, ning
-01 ***	Radar Altimeter Filter (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)					I
-A		С	2	1	May be inoperative provid affected Radar Altimeter is considered inoperative. (Continued)	

	MASTER MI	NIN	1UN	ΙE	QUIPMENT LIST		
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 34-9	
_			Repa	air c	ategory	04-0	
Syster Seque					ber installed		
No				3. I	Number required for dispatch		
					4. Remarks and/or exceptions	<u>s</u>	
34 NA	VIGATIONS	1	1	1			
31-00	Radar Altimeter System (Continued)						
-01 ***	Radar Altimeter Filter (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000) (Continued)						1
-B		Α	-	0	May be inoperative proving a) Affected Radar Altimetric considered inoperative and b) Repairs are made with two flight days.	eter is e,	
32-00	Very High Frequency Navigation Systems (VHF NAV)						
-01	VOR Systems	С	2	-	Any in excess of those required by local regulation may be inoperative.	ons	
-02	ILS Systems	С	2	-	Any in excess of those required by local regulation may be inoperative.	ons	
-03	Marker Beacon Systems	С	2	-	May be inoperative provi approach minimums do r require its use.		
32-01	GBAS Landing Systems (GLS) (EMBRAER 190-E2/ 195-E2)	С	2	0	May be inoperative proving approach minimums do require its use.		

	MASTER MI	NIN	1UN	/I E	QUIPMENT LIST	
Airplane					Revision 18	Page
	ERJ 170/ERJ 190	1 1	Ren	air c	ategory	34-10
System					ber installed	
Seque No.				3. 1	Number required for dispatch	
					4. Remarks and/or exception	S
34 NA	VIGATIONS	ı	ı	ı	1	
41-00	Enhanced Ground Proximity Warning System (EGPWS)					
-01	Ground Proximity Warning System (GPWS)	Α	1	0	(O) May be inoperative provided:a) Alternate procedures established and usedb) Repairs are made wit two flight days.	, and
-A	Modes 1-4	Α	4	0	(O) May be inoperative provided:a) Alternate procedures established and usedb) Repairs are made wit two flight days.	, and
-В	Test Mode	Α	1	0	May be inoperative provi a) GPWS is considered inoperative, and b) Repairs are made wit two flight days.	
-C	Glideslope Deviation (Mode 5)	С	-	1		
		В	-	0		
-D	Advisory Callouts	В	-	0	(O) May be inoperative provided alternate procedure established and used	
		С	-	0	 (O) May be inoperative provided: a) Advisory callouts are required by local regulations, and b) Alternate procedures established and used (Continued) 	are

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			Rep	air c	ategory	34-11
Syster Seque				Num	ber installed	
Seque No.				3. 1	Number required for dispatch	
					4. Remarks and/or exception	S
34 NA	VIGATIONS	1		1	ı	
41-00	Enhanced Ground Proximity Warning System (EGPWS) (Continued)					
-E	Windshear Warning and Flight Guidance System (Windshear Mode)	В	1	0	(O) May be inoperative provided alternate proce are established and used	
					NOTE: Operator's altern procedures shou include reviewing windshear avoids and windshear recovery procedu	ild 3 ance
		С	1	0	 (O) May be inoperative provided: a) Alternate procedures established and used b) Windshear Detection Avoidance System (Predictive) operates normally. 	l, and
-02	Terrain System – Forward Looking Terrain Avoidance (FLTA) and Terrain Clearance Floor (TCF) Functions	В	1	0	(O) May be inoperative provided alternate proce are established and used	
-03 ***	Runway Awareness & Advisory System (RAAS)	С	1	0		

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Airplan		<u> </u>			Revision 18	Page				
	ERJ 170/ERJ 190	_	Ren	air c	ategory	34-12				
Syster				epair category 2. Number installed						
Seque No.				3. I	Number required for dispatch					
					4. Remarks and/or exception	S				
34 NA	VIGATIONS	1	1		T					
41-05 ***	Steep Approach Mode (Airplanes with Steep Approach capability)	D	1	0	May be inoperative proviouse.					
-01	Steep Approach Button Illumination	С	1	0	(O) May be inoperative provided Steep Approach Mode is verified operative					
42-00	Weather Radar System	С	-	-	Any in excess of those required by local regulati may be inoperative.	ions				
-01	Stabilization Function	В	1	0	(M) May be inoperative provided: a) Antenna sweep is vere parallel to aircraft horizontal plane, and b) Antenna tilt is operate manually.					

	MASTER M	<u>ININ</u>	<u>//U</u> N	<u> 1</u> Е	QUIPMENT LIST	
Airplan	e ERJ 170/ERJ 190	`			Revision 18	Page 34-14
	EKJ 1/0/EKJ 190	_	Ren	air c	ategory	34-14
Syster					ber installed	
Seque No.				3. I	Number required for dispatch	
	•				4. Remarks and/or exception	s
34 NA	VIGATIONS		1		<u> </u>	
43-00	Traffic Alert and Collision Avoidance System II (TCAS II)					
-A		В	-	0	 (M) May be inoperative provided: a) System is deactivated secured, and b) Enroute or approach procedures do not recits use. 	
-B		С	-	0	 (M)(O) May be inoperative provided: a) Not required by local regulations, b) System is deactivated secured, and c) Enroute or approach procedures do not requits use. 	d and
-01	Resolution Advisory (RA) Display System(s)					
-A		С	2	1	May be inoperative on pi monitoring side.	lot
-B		С	-	0	 (O) May be inoperative provided: a) Traffic Alert (TA) visu display and audio fun are operative, b) TA only mode is select by the crew, and c) Enroute or approach procedures do not recits use. (Continued) 	ctions

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	ERJ 170/ERJ 190		Don	air c	ategory	34-15
Syster		' ' '			nber installed	
Seque No.					Number required for dispatch	
NO.	· · · · · · · · · · · · · · · · · · ·				4. Remarks and/or exception	s
34 NA	VIGATIONS					
43-00	Traffic Alert and Collision Avoidance System II (TCAS II) (Continued)					
-02	Traffic Alert Display System(s)	С	-	0	 (O) May be inoperative provided: a) RA visual display and audio functions are operative, and b) Enroute or approach procedures do not recits use. 	
-03	Audio Functions	В	1	0	May be inoperative provi enroute or approach procedures do not requir of TCAS.	
43-10	ADS-B In Transmissions (EMBRAER 190-E2/ 195-E2)					
-A		С	-	0	(O) May be inoperative provided alternate procedure established and used	
-В		D	-	0	May be inoperative provi procedures do not requir use.	
44-00	Lightning Sensor System (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	D	-	0		1
51-00	Distance Measuring Equipment (DME) Systems	D	2	-	Any in excess of those required by local regulati may be inoperative.	ons

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Airplan					Revision 18	Page
	ERJ 170/ERJ 190					34-16
Syster	n &	1. 1			ategory iber installed	
Seque			2. 1		Number required for dispatch	
No.	•				4. Remarks and/or exceptions	S
34 NA	VIGATIONS					
52-00	ATC Transponder and Automatic Altitude Reporting System					
-A		В	2	0	 May be inoperative provided a) Operations do not requits use, and b) Prior to flight, approvation obtained from ATC facilities having jurisdictive over the planned routeflight. 	uire al is iction
-В		D	-	1	Any in excess of those required by local regulation may be inoperative.	ons
-01 ***	Elementary and Enhanced Downlink Aircraft Reportable Parameters not Required by local regulations	A	-	0	May be inoperative provious) a) Operations do not requits use, and b) Repairs are made price completion of the next heavy maintenance view.	uire or to t
-02 ***	ADS-B Out Squitter Transmissions	С	-	0	May be inoperative provious operations do not require use.	
53-00	Automatic Direction Finder (ADF) System	D	-	-	Any in excess of those required by local regulation may be inoperative.	ons

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· piani		170/ERJ 190					34-17
01				Repa	air c	ategory	
Syster Seque		ITEM			Num	ber installed	
No.		II LIVI			3. 1	lumber required for dispatch	
						4. Remarks and/or exception	s
34 NA	VIGATION	ONS	1	1	1		
56-00		Positioning (GPS)					
-A			С	1	0	(O) May be inoperative provided:a) Procedures do not recits use,b) RAAS is considered inoperative, andc) Clock is set manually.	
-B			D	2	1	May be inoperative provi operations do not require use.	
61-00	System (EMBR 170/17: 190 FR LINEAG 190-E2	Management n (FMS) AER 5/190/195/ EIGHTER/ GE 1000/ n and 195-E2, od. Load 9.0)					
-A			С	ı	-	(O) May be inoperative provided:a) It is not required by regulations, andb) Alternate procedures established and used	
-B			D	2	1	May be inoperative provi procedures do not requir use. (Continued)	

	MAS I ER	<u>K MIMIN</u> III	<u>/IU</u> I	<u> </u>	QUIPMENT LIST	
Airplan		100				ige
	ERJ 1/U/ERJ		Ren	air c	ategory 34	-18
		''			nber installed	
					Number required for dispatch	
	restern & equence No. NAVIGATIONS -00 Flight Management System (FMS) (EMBRAER 170/175/190/195/190 FREIGHTER/LINEAGE 1000/190-E2 and 195-E2 Post-Mod. Load 9.0 (Continued) O1 Navigation Databases				4. Remarks and/or exceptions	
34 NA	VIGATIONS			1	1	
61-00	System (FMS) (EMBRAER 170/175/190/195 190 FREIGHTER LINEAGE 1000/ 190-E2 and 195- Post-Mod. Load 9	/ &/ E2,				
-01						
-A		C	-	0	 (O) One or more may be inoperative for the intended flight route where conventional (non-RNAV/RNP) navigation is sufficient, provided: a) Current Aeronautical information (e.g. charts) available for the entire route and for the aerodromes to be used, b) Navigation database information is disregarde and c) Radio navigation aids, which are required to be flown for departure, arriv and approach procedure are manually tuned and identified. 	d,
					NOTE: Databases which is/are out of date is/are considered inoperative.	

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			1. Repair category						
Syster Seque				Num	ber installed				
No.				3. 1	lumber required for dispatch				
04 114	VIO A TIONO		<u> </u>		4. Remarks and/or exceptions	3			
34 NA	VIGATIONS	1	1	ı					
61-00	Flight Management System (FMS) (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000/ 190-E2 and 195-E2, Post-Mod. Load 9.0) (Continued)					I			
-01	Navigation Databases (Continued)								
-B		C	-	1	 (O) Any in excess of one be inoperative provided: a) The operative database must be up to date for routes, departures, ar and approach procede that require the use of navigation Database of RNAV/RNP, b) The operative database available and used by flight crew member(s) responsible for navigation and c) Radio navigation aids which are required to flown for departure, and approach proceder are manually tuned are identified. NOTE: Databases which is/are out of date is/are considered inoperative. (Continued) 	se rival, ures for se is the ation, be crival ures			

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Airplane	ERJ 170/ERJ 19	0			Revision 18	Page 34-20			
Syster					ategory				
Seque			2.		ber installed				
No.				3. I	Number required for dispatch				
34 NA	VIGATIONS				4. Remarks and/or exceptions				
	Flight Management System (FMS) (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000/ 190-E2 and 195-E2, Post-Mod. Load 9.0 (Continued) Navigation Databases (Continued)		-	0	(O) One or more may be of date provided: a) Area Navigation (RNAV/RNP) departur	l			
					arrival and approach procedures are checked not to depend on the camended in the current database cycle, b) Before each flight, current database cycle, b) Before each flight, current database cycle, aeronautical information used to verify the data Navigation Fixes, the coordinates, frequenci status (as applicable) a suitability of Navigation Facilities required for the intended flight route, (Continued)	ed lata nt rent on is base es, and			

Airplan Syster Segue	ERJ 170/ERJ 1				R	evision 18	Page
							34-21
	m &	- 11.	Rep	air c	ateç	iorv	34-21
				Num	ıber	installed	
No				3. I		ber required for dispate	
24 NIA	VICATIONIC		<u> </u>		4. F	Remarks and/or exception	ons
34 NA	VIGATIONS	1	1				
61-00	Flight Management System (FMS) (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000/ 190-E2 and 195-E2 Post-Mod. Load 9.0 (Continued)	2,					
-01	Navigation Databases (Continued)						
-C	(Continued)				d)	Radio navigation ai which are required flown for departure, and approach proce and which have been amended in the cur database cycle, are manually tuned and identified, and Repairs are made with 10 calendar days.	to be arrival edures en rent

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Airplan	ERJ 170/ERJ 190)			Revision 18	Page 34-22				
Curatas			1. Repair category							
Syster Seque			2. 1		ber installed					
No				3. 1	Number required for dispatch 4. Remarks and/or exception					
34 NA	VIGATIONS				4. Remarks and/or exception	15				
	Flight Management System (FMS) (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000/ 190-E2 and 195-E2, Post-Mod. Load 9.0) (Continued) Navigation Databases (Continued)	A		0	(O) One or more may be of date provided: a) Conventional (Non-RNAV/RNP) departu arrival and approach procedures, when available, or ANSP assistance are used alternative to RNAV/I procedures which habeen amended in the current database cycle) Before each flight, cuaeronautical informat used to verify the dat Navigation Fixes, the coordinates, frequent status (as applicable suitability of Navigation Facilities required for intended flight route, (Continued)	e out re, as an RNP ve ele, arrent tion is abase cies, and on				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 19	n			Revision 18	Page 34-23				
	EKJ I/U/EKJ IS		Ran	air c	ategory	34-23				
Syster		1			ber installed					
Seque No.					Number required for dispatch					
NO.					4. Remarks and/or exception					
34 NA	VIGATIONS									
61-00	Flight Management System (FMS) (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000/ 190-E2 and 195-E2, Post-Mod. Load 9.0) (Continued)									
-01	Navigation Databases (Continued)									
-D	(Continued)				 c) Radio navigation aids which are required to flown for departure, a and approach proced and which have been amended in the curre database cycle, are manually tuned and identified, and d) Repairs are made with 10 calendar days. 	be irrival ures int				
					NOTE: Databases which is/are out of date is/are considered inoperative.	!				

MASTER MINIMUM EQUIPMENT LIST									
Airplane	ED 1.470/ED 1.400				Revision 18	Page			
	ERJ 170/ERJ 190		2an	oir o	ategory	34-24			
System &		1. 1			ber installed				
Sequence	ITEM		2. 1		Number required for dispatch				
No.				•	4. Remarks and/or exceptions	s			
34 NAVIG	ATIONS					-			
Dis	Iltifunction Control splay Unit CDU)	В	2	1	(O) MCDU 01 may be inoperative provided: a) VHF COMM 01 and 00 operate normally, b) VHF NAV 01 and 02 operate normally, c) All CCD buttons, known and touch pad operate normally on both side d) All Display Units opernormally, and e) Approach minimums of operating procedures not require its use.	os e s, ate or			

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Airplan						Revision 18	Page			
	Er	RJ 170/ERJ 190		Ran	air c	ategory	35-1			
Syster		1754		2. I	Number installed					
Seque No.		ITEM			3. I	Number required for dispatch				
						4. Remarks and/or exception	s			
35 OX	YGEN		1	1	1	T				
10-08		Oxygen der Charging	С	1	0	 (M) May be inoperative provided: a) There is no evidence leakage, and b) Crew Oxygen Cylinderemoved for refilling or replaced by a full one necessary. 	er is or is			
11-01	Press	ure Gauge								
-01		Oxygen cure Indication ED	C	2	0	 (M)(O) May be inoperative provided: a) Crew Oxygen Pressure checked within limits before each flight, b) Crew Oxygen masks verified operative before each flight, c) Air Management System (AMSC) controller (AMSC) channels operate nor d) Cabin Pressure Controller (AMSC) channels operate nor e) Both Air Conditioning Packs operate normal packs operate norm	are ore tem mally, rol roller mally, de ne itude L,			

ERJ 170/ERJ 190 n & nce ITEM				Revision 18	Page
n &				l	35-2
		Repa	air c	ategory	-
		2. 1	Num	ber installed	
			3. 1	Number required for dispatch 4. Remarks and/or exceptions	•
YGEN]			4. Remarks and/or exceptions	5
Pressure Gauge (Continued)					
Crew Oxygen Pressure Indication on Pressure Gauge Outside Airplane	С	1	0	May be inoperative provided in Crew Oxygen Pressure Indication on MFD operation on mally.	
Oxygen Cylinder Pressure Relief Disc (Green Disc)	С	-	0	May be inoperative or missing.	
Oxygen Cylinder Bay Temperature Sensor	С	1	0		
	(Continued) Crew Oxygen Pressure Indication on Pressure Gauge Outside Airplane Oxygen Cylinder Pressure Relief Disc (Green Disc) Oxygen Cylinder Bay Temperature	(Continued) Crew Oxygen Pressure Indication on Pressure Gauge Outside Airplane Oxygen Cylinder Pressure Relief Disc (Green Disc) Oxygen Cylinder Bay Temperature	(Continued) Crew Oxygen Pressure Indication on Pressure Gauge Outside Airplane Oxygen Cylinder Pressure Relief Disc (Green Disc) Oxygen Cylinder Bay Temperature C 1	(Continued) Crew Oxygen Pressure Indication on Pressure Gauge Outside Airplane Oxygen Cylinder Pressure Relief Disc (Green Disc) Oxygen Cylinder Bay Temperature C 1 0	Crew Oxygen Pressure Indication on Pressure Gauge Outside Airplane Oxygen Cylinder Pressure Relief Disc (Green Disc) Oxygen Cylinder Bay Temperature C 1 0 May be inoperative proving Crew Oxygen Pressure Indication on MFD operation normally. May be inoperative or missing.

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ERJ 170/ERJ 190		Ran:	ategory	35-3					
System &	' ' '	2. 1	Num	ber installed					
Sequence ITEM No.			3. 1	Number required for dispatch					
-				4. Remarks and/or exception	s				
35 OXYGEN		1							
20-00 Passenger Oxygen System (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)					 				
-A	В	1	0	 (O) May be inoperative provided: a) Flight is not conducte over an area where the Minimum Enroute Altitics above 14000 ft MS. b) Both Air Conditioning Packs operate normation Cabin Pressure Contrology System (CPCS) contrology contrology	ne tude L, lly, rol roller mally, or nders led mbers				
-B	В	1	0	May be inoperative provi flight is conducted at or be 10000 ft MSL. (Continued)					

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Airplan	e ERJ 170/ERJ 190	1		Page 35-4						
	EKJ 1/0/EKJ 190		Ren	air c	category	35-4				
Syster			2. Number installed							
Seque				3. 1	Number required for dispatch					
				<u> </u>	4. Remarks and/or exceptions	S				
35 OX	YGEN	1	1		I					
20-00	Passenger Oxygen System (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000) (Continued)									
-01	Automatic Deployment System									
-A		С	1	0	 (M) May be inoperative provided: a) The manual deployment from the flight crew compartment is verified operative, and b) Flight is conducted at below FL 300. 	ed				
-В		В	1	0	May be inoperative proving Passenger Oxygen System considered inoperative.					
-02	Passenger Oxygen Dispensing Unit									
-A		С	-	0	(M) Individual modules me be inoperative with no fligural altitude restriction provide affected seats are placar and blocked to prevent occupancy.	ght ed				
-B		В	_	0	Individual modules may be inoperative provided Passenger Oxygen System considered inoperative.					
-03	Flight Attendant Oxygen Dispensing Unit	В	-	-	May be inoperative provi associated flight attendar seat is considered inoper	nt				
					(Continued)					

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			Repa	air c	ategory	33-3				
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Sequei No.				3. I	Number required for dispatch					
					4. Remarks and/or exception	s				
35 OX	YGEN		1		<u> </u>					
20-00	Passenger Oxygen System (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000) (Continued)					 				
-04	Flight Attendant Oxygen Dispensing Unit in Galley	B	-	-	 (O) May be inoperative provided: a) Oxygen dispensing unand masks at the adjating flight attendant station operative, b) Number of occupants the galley area and adjacent flight attendation is limited to the number of oxygen material operative in the regional flight phases, and c) Procedures are established and used alert crewmembers of inoperative oxygen dispensing units. 	acent n are of ant e asks n, in				
0-02	Passenger Oxygen Box Door Electrical Latches (EMBRAER 170/175/190/195/ 190-E2/195-E2)									
-A		D	-	-	(M) Individual modules me inoperative provided affected seats are placar and blocked to prevent occupancy. (Continued)	-				

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			Repa	33-0						
Syster			Repair category 2. Number installed							
Seque No.				3. 1	Number required for dispatch					
					4. Remarks and/or exception	s				
35 OX	YGEN	1	1	ı						
20-02	Passenger Oxygen Box Door Electrical Latches (EMBRAER 170/175/190/195/ 190-E2/195-E2) (Continued)									
-B		С	-	-	 (M)(O) Automatic openin feature of the door latch(may be inoperative provia) Associated Passenge Oxygen Dispensing Loperates normally, b) Flight is conducted at below FL 300, and c) Passenger(s) occupy the associated seat(s (are) briefed on oxygemask procedure. 	es) ded: er Jnit or ing) is				
20-03	Passenger Oxygen Box Deploy Tool (EMBRAER 170/175/190/195/ 190-E2/195-E2)	D	-	0	(O) May be missing prov an alternative tool is avai					

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Syster			'			ber installed	
Seque No.		ITEM				Number required for dispatch	
140.						4. Remarks and/or exception	ns
ОХ	YGEN						
-04	Oxyge (EMBF 170/17 190-E2	nger Cabin In Mask RAER 75/190/195/ 2/195-E2/ IGE 1000)					
Ą			D	-	0	(M) Individual masks ma inoperative or missing provided affected seats placarded and blocked to prevent occupancy.	are
В			С	-	_	 (M) Individual masks mainoperative or missing provided: a) At least one oxygen is available for each b) The total number of oxygen masks exceed number of seats by a 10 percent, c) The supernumerary are uniformly distributhroughout the cabin d) Inoperative masks are removed from the air 	mask seat, ed the at least units uted , and

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			Rep	air c	ategory	000
Syster Seque				Num	ber installed	
No.				3. I	Number required for dispatch	
25 OV	VOEN			<u> </u>	4. Remarks and/or exception	5
35 OX	IGEN	1	l	l	<u> </u>	
20-09	Lavatory Oxygen System (EMBRAER 170/175/190/195/ 190 FREIGHTER/ 190-E2/195-E2)					I
-A		С	-	0	(O) May be inoperative provided lavatory door is locked and placarded "INOPERATIVE – DO NO ENTER".	
					NOTE: This proviso is no intended to precli lavatory inspection by a crewmembe	ude ons
-B		С	-	0	May be inoperative provi flight is conducted at or b FL 250.	
21-02	Altitude Pressure Switch (EMBRAER 190-E2/ 195-E2)	С	1	0		
21-03	"MASKS DEPLOY" Knob on Passenger Oxygen Panel	В	1	0	May be inoperative provi Passenger Cabin Oxyge System or Supernumera Oxygen System is considinoperative.	n ry
21-04	Passenger Oxygen Masks Deployed ON Indication Light	С	1	0		

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0		1. I	Repa	air c	ategory	,
	ITEM			Num	ber installed	
	11 = 101			3. 1		
					4. Remarks and/or exception	S
YGEN			ı	1		
Oxyger (EMBR	n System AER					
		С	1	0	 a) Portable Oxygen Cyli and Masks are availa and 	nder ble,
		С	1	0		
		С	1	0	a) Procedures are established and used ensure the Main Decl Cargo compartment remains empty, or is verified to contain onl empty cargo handling equipment, ballast (be may be loaded in ULI and/or Fly Away Kits.	to y l allast Ds),
					define which iten approved for incl in the Fly Away k	ns are usion (its,
	m & ence YGEN Supern Oxyger (EMBR	e ERJ 170/ERJ 19 m & ence ITEM	ERJ 170/ERJ 190 m & ITEM TYGEN Supernumerary Oxygen System (EMBRAER 190 FREIGHTER) C	ERJ 170/ERJ 190 m & ITEM CYGEN Supernumerary Oxygen System (EMBRAER 190 FREIGHTER) C 1 C 1	ERJ 170/ERJ 190 m & 1. Repair of 2. Num 3. No. Supernumerary Oxygen System (EMBRAER 190 FREIGHTER) C 1 0	TITEM 1. Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exception 4. Remarks and/or exception 5. Number required for dispatch 4. Remarks and/or exception 5. Number required for dispatch 4. Remarks and/or exception 5. Number required for dispatch 5. N

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	•				4. Remarks and/or exception	s							
35 OX	YGEN		,	1									
23-00	Supernumerary Oxygen System (EMBRAER 190 FREIGHTER) (Continued)					 							
-01	Automatic Deployment Systen	С	1	0	 (M) May be inoperative provided: a) The manual deployment from the flight crew compartment is verific operative, and b) Flight is conducted at below FL 300. 	 ed							
-02	Supernumerary Oxygen Dispensing Unit	С	1	0	May be inoperative provi a) Portable Oxygen Cyli and Masks are availa and b) Flight is conducted at below FL 250.	nder ble, 							
-03	Oxygen Dispensing Unit in Galley	С	1	0	May be inoperative provi a) Portable Oxygen Cyli and Masks are availa and b) Flight is conducted at below FL 250.	nder ble, 							
23-02	Supernumerary Oxygen Box Door Electrical Latches (EMBRAER 190 FREIGHTER)	С	-	-	(M)(O) Automatic openin feature of the door latch(may be inoperative provi a) Associated Dispensin Unit operates normall b) Flight is conducted at below FL 300, and c) Supernumerary is brie on oxygen mask procedure.	es) ded: g y, or							

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_) 1/U/ERJ 1		Rep	air c	ategory	35-11	_
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Seque		I I EIVI			3. 1	Number required for dispatch		
						4. Remarks and/or exception	15	_
35 OX	YGEN			1	1	<u> </u>		_
23-03	Oxyger Tool (EMBR	numerary n Box Deploy AER REIGHTER)	y D	-	0	(O) May be missing provaa) An alternative tool is available, andb) Supernumerary is broon oxygen mask procedure.	j J	
30-01		le Oxygen er and Masks	3					
-01	190-E2	AER 5/190/195/ 2/195-E2/ GE 1000	D	-	-	 (M) Any in excess of the required by local regulat may be inoperative prova) Required distribution serviceable cylinders maintained througho aircraft, and b) Cylinders not properly serviced are replaced serviced or removed next available maintenance facility. (Continued) 	ions ided: of s is ut y	

	MASTER MI	NIIV	IUN		QUIPMENT LIST	-		
e EF					Revision 18	Page 35-12		
		1. F	Repa					
	ITEM			Num	ber installed			
	I I CIVI			3. 1				
•					4. Remarks and/or exception	s		
YGEN		1						
Cylind	der and Masks							
		С	1	0	May be inoperative provi the supernumerary seat occupied.			
		С	1	0	May be inoperative proviprocedures are establish and used to ensure the Mack Cargo compartmer remains empty, or is verito contain only empty call handling equipment, ball (ballast may be loaded in ULDs), and/or Fly Away	ed Main nt fied rgo ast n		
					NOTE: Operator MELs in define which item approved for inclining the Fly Away k and which materican be used as ballast.	ns are usion (its,		
	ment (PBE)	D	-	-	Any in excess of those required by local regulati may be inoperative or missing.	ons		
	YGEN Portal Cylino (Conti EMBF 190 F	Protective Breathing Equipment (PBE)	Protective Breathing Equipment (PBE) ERJ 170/ERJ 190 1. F 1. F	Protective Breathing Equipment (PBE) TEM TEM TEM TEM TEM TEM TEM T	Protective Breathing Equipment (PBE) TEM TEM TEM TEM TEM TEM TEM T	TEM 1. Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exception 4. Remarks and/or exception 5. Number required for dispatch 4. Remarks and/or exception 5. Number required for dispatch 4. Remarks and/or exception 5. Number required for dispatch 4. Remarks and/or exception 5. Number required for dispatch 5. Number required provided for dispatch 5. Number required		

		MASTER MI	NIN	1UN	ΙE	QUIPMENT LIST	
Airplan		RJ 170/ERJ 190				Revision 18	Page 36-1
Syster		to Troreito 150			air c		
Seque		ITEM		2. 1		ber installed lumber required for dispatch	
No.					J. 1	4. Remarks and/or exception	S
36 PN	EUMA	TIC					
00-00	Engir Syste	ne Bleed ems					
-01	170/1 190 F 190-E	RAER 75/190/195/ FREIGHTER/ E2/195-E2/ AGE 1000	С	2	1	 (O) Except for ER operation one may be inoperative provided: a) Associated engine ble remains selected off, b) Cross Bleed Valve operates normally, and c) Flight is conducted at below FL 310. 	eed l
						NOTE: See AFM for Eng Airstart – Windm (Engine Airstart Envelope).	
-02	170/1 190 F	RAER 75/190/195/ REIGHTER/ AGE 1000					1
-A	Forward Comp Ventile or with Shute	ines without ard Cargo partment lation Installed h Cargo off Valve (P/N 497-2)	С	2	1	 (O) Except for ER operatione may be inoperative provided: a) Associated engine ble remains selected off, b) Wing Anti-Ice System considered inoperative c) If Bleed 1 is affected, animals are not carried the cargo/baggage compartment, and d) Flight is conducted at below FL 310. 	eed is re, live ed in
						NOTE: See AFM for Eng Airstart – Windm (Engine Airstart Envelope). (Continued)	
						(

	MASTER MI	NIN	/UI	ΙE	QUIPMENT LIST	
Airplan	ERJ 170/ERJ 190				Revision 18	Page 36-2
			Rep	air c	ategory	30-2
Syster Seque			2. I	Num	ber installed	
No.				3. 1	Number required for dispatch	
26 DNI	ELIMATIC			<u> </u>	4. Remarks and/or exceptions	5
36 PIN	EUMATIC	ī	1			
00-00	Engine Bleed Systems (Continued)					
-02	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000 (Continued)					1
-B	Airplanes with Cargo Shutoff Valve (P/N 1001497-1)	С	2	1	(O) Except for ER operatione may be inoperative provided: a) Associated engine ble remains selected off, b) Wing Anti-Ice System considered inoperative. c) If Bleed 1 is affected, forward cargo/aft bags shutoff valve are considered inoperative and d) Flight is conducted at below FL 310. NOTE: See AFM for Eng Airstart — Windmi (Engine Airstart Envelope). (Continued)	eed is e, the gage e, or

Sy (C -02 EM 17 19 LII	e ITEM	1. F		lum	Revision 18 Page 36 ategory ber installed lumber required for dispatch 4. Remarks and/or exceptions	-
36 PNEU 00-00 Er Sy (C -02 EN 17 19 LII	IMATIC Ingine Bleed ystems Continued) MBRAER 70/175/190/195/ 90 FREIGHTER/ NEAGE 1000	1. F		lum	ategory ber installed lumber required for dispatch	
36 PNEU 00-00 Er Sy (C -02 EN 17 19 LII	IMATIC Ingine Bleed systems Continued) MBRAER 70/175/190/195/ 90 FREIGHTER/ NEAGE 1000			lum	ber installed lumber required for dispatch	
No. 36 PNEU 00-00 Er Sy (C -02 EN 17 19 LII (C	IMATIC Ingine Bleed ystems Continued) MBRAER 70/175/190/195/ 90 FREIGHTER/ NEAGE 1000			3. N		
00-00 Er Sy (C -02 EN 17 19 LII (C	ngine Bleed ystems Continued) MBRAER 70/175/190/195/ 90 FREIGHTER/ NEAGE 1000				4. Remarks and/or exceptions	
00-00 Er Sy (C -02 EN 17 19 LII (C	ngine Bleed ystems Continued) MBRAER 70/175/190/195/ 90 FREIGHTER/ NEAGE 1000					
-02 EM 17 19 LII (C	MBRAER 70/175/190/195/ 90 FREIGHTER/ NEAGE 1000					
-C						I
		С	2	0	 (O) Except for ER operations may be inoperative provided a) Both engine bleeds remanded selected off, b) APU Pneumatic Bleed System operates normally considered at or below FL 150, and d) Wing Anti-Ice System is considered inoperative. NOTE: See AFM for Engine Airstart – Windmilling (Engine Airstart Envelope). (Continued) 	: in y,

Airplan					/I C	QUIPMENT LIST	
		J 170/ERJ 19	0			Revision 18	Page 36-4
Cuete				Rep	air c	ategory	
Syste Seque		ITEM		2. I		ber installed	
No					3. 1	Number required for dispatch 4. Remarks and/or exception	•
36 DN	EUMAT	ıc			l .	4. Remarks and/or exception	<u> </u>
	Engine System (Contir	Bleed					
-03		AER 5/190/195/ REIGHTER/					
-A	Forwar Compa Ventila or with	f Valve (P/N	C	2	0	(O) Except for ER operation may be inoperative provious) a) Both engine bleeds reselected off, b) Live animals are not carried in the cargo compartment, c) Flight is conducted in unpressurized configuration, and d) Wing Anti-Ice System considered inoperativ NOTE: See AFM for Enganistrat – Windmin (Engine Airstart Envelope). (Continued)	ded: emain an is e. gine

	MASTER MI	NIN	1UN	ΛE	QUIPMENT LIST		
	J 170/ERJ 190)			Revision 18	Page 36-5	
m &		1.					
	ITEM		2. 1				
).				J. 1		<u> </u>	
EUMAT	IC .				F		
Systen (Contir	ns nued)						
170/17 190 FF	5/190/195/ REIGHTER/						
Airplan Shutof	es with Cargo f Valve (P/N	С	2	0	may be inoperative providual Both engine bleeds reselected off, b) The forward cargo compartment shutoff vis considered inoperation. c) Flight is conducted in unpressurized configuration, and d) Wing Anti-Ice System considered inoperative. NOTE: See AFM for Eng	ded: main valve tive, an is e.	
	Engine System (Contir EMBRA 170/17 190 FF (Contir Airplan Shutoff	ERJ 170/ERJ 190 m & ITEM ince I	ERJ 170/ERJ 190 m & ITEM IEUMATIC Engine Bleed Systems (Continued) EMBRAER 170/175/190/195/ 190 FREIGHTER/ (Continued) Airplanes with Cargo Shutoff Valve (P/N	ERJ 170/ERJ 190 m & ITEM D. IEUMATIC Engine Bleed Systems (Continued) EMBRAER 170/175/190/195/ 190 FREIGHTER/ (Continued) Airplanes with Cargo Shutoff Valve (P/N	ERJ 170/ERJ 190 m & ITEM 1. Repair of 2. Num 3. I EUMATIC Engine Bleed Systems (Continued) EMBRAER 170/175/190/195/ 190 FREIGHTER/ (Continued) Airplanes with Cargo Shutoff Valve (P/N	Revision 18 Revision 18	Revision 18 Page 36-5 m & ITEM 1. Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions IEUMATIC Engine Bleed Systems (Continued) EMBRAER 170/175/190/195/190 FREIGHTER/ (Continued) Airplanes with Cargo Shutoff Valve (P/N 1001497-1) Airplanes with Cargo Compartment shutoff valve is considered inoperative, c) Flight is conducted in an unpressurized configuration, and d) Wing Anti-Ice System is considered inoperative. NOTE: See AFM for Engine Airstart — Windmilling (Engine Airstart — Windmilling (Engine Airstart

Airplan							
	ER.	J 170/ERJ 19	0			Revision 18	Page 36-6
_		7 17 07 21 10		Repa	air c	ategory	00 0 1
Syste Seque		ITEM				ber installed	
No		I I EIVI			3. 1	Number required for dispatch	
						4. Remarks and/or exceptions	S
36 PN	EUMAT	IC .	1	1	1		
	Engine System (Contin	ns nued)	,				
-04		AER 190 PR/ GE 1000					
-A		es with Carg f Valve (P/N 97-2)	o C	2	0	(O) Except for ER operat may be inoperative provious) a) Both engine bleeds reselected off, b) Live animals are not carried in the aft bagg compartment, c) Flight is conducted in unpressurized configuration, d) Wing Anti-Ice System considered inoperative and e) The Auxiliary Fuel systis considered inoperative and e) The Auxiliary Fuel systis considered inoperative and (Engine Airstart – Windmin (Engine Airstart Envelope). (Continued)	ded: emain lage an is e, stem tive. line

00-00 E S ((-04 E L ((1. [3. ľ	Revision 18 Pag 36- 36- 36- 36- 36- 36- 36- 36- 36- 36-	7
36 PNEI 00-00 E 5 (-04 E L () -B A	& ITEM UMATIC Engine Bleed Systems (Continued) EMBRAER 190 PR/ LINEAGE 1000 (Continued) Airplanes with Cargo Shutoff Valve (P/N	1. [2. 1	3. ľ	Number required for dispatch 4. Remarks and/or exceptions (O) Except for ER operations	,
36 PNEI 00-00 E 5 (-04 E L () -B A	UMATIC Engine Bleed Systems (Continued) EMBRAER 190 PR/ LINEAGE 1000 (Continued) Airplanes with Cargo Shutoff Valve (P/N	С		3. 1	Number required for dispatch 4. Remarks and/or exceptions (O) Except for ER operations	,
36 PNE 00-00 E S ((-04 E L ((-B A	Engine Bleed Systems (Continued) EMBRAER 190 PR/ LINEAGE 1000 (Continued) Airplanes with Cargo Shutoff Valve (P/N	С	2		4. Remarks and/or exceptions (O) Except for ER operations	,
00-00 E S ((-04 E L ((Engine Bleed Systems (Continued) EMBRAER 190 PR/ LINEAGE 1000 (Continued) Airplanes with Cargo Shutoff Valve (P/N	С	2	0	(O) Except for ER operations	,
00-00 E S ((-04 E L ((Engine Bleed Systems (Continued) EMBRAER 190 PR/ LINEAGE 1000 (Continued) Airplanes with Cargo Shutoff Valve (P/N	С	2	0		,
L (-B A	LINEAGE 1000 (Continued) Airplanes with Cargo Shutoff Valve (P/N	С	2	0		,
S	Shutoff Valve (P/N	С	2	0		,
					 a) Both engine bleeds remain selected off, b) The aft baggage compartment shutoff valves are considered inoperative, c) Flight is conducted in an unpressurized configuration, d) Wing Anti-Ice System is considered inoperative, and e) The Auxiliary Fuel system is considered inoperative. NOTE: See AFM for Engine Airstart – Windmilling (Engine Airstart Envelope). 	n

	MASTER MINIMUM EQUIPMENT LIST											
Airplan		0/ED 400				Revision 18 Pag						
	ERJ 17	0/ERJ 190		2an	air c	ategory 36	-0					
Syster						ber installed						
Seque No.		ITEM				lumber required for dispatch						
110.						4. Remarks and/or exceptions						
36 PN	EUMATIC				•							
00-00	Engine Ble Systems (Continued											
-05	EMBRAEF 195-E2	R 190-E2/										
-A			A	2	1	 (O) Except for ER operations may be inoperative provided a) Associated engine bleed remains selected off, b) Wing Anti-Ice System is considered inoperative, c) Flight is conducted at or below FL 310, and d) Repairs are made within 10 flight days. NOTE: See AFM for Engine Airstart – Windmilling (Engine Airstart Envelope). 						
-B			С	2	0	 (O) Except for ER operations may be inoperative provided a) Both engine bleeds rema selected off, b) Crossbleed valve operate normally, c) APU Pneumatic Bleed System operates normally d) Flight is conducted at or below FL 150, and e) Wing Anti-Ice System is 	: in :s					
						considered inoperative. NOTE: See AFM for Engine Airstart – Windmilling (Engine Airstart Envelope).	I					
						NOTE: See AFM for Engine Airstart – Windmilling (Engine Airstart	J					

	ľ	MASTER M	ININ	1UI	ΛE	QUIPMENT LIST	_	
Airplan		170/ED 140	^			Revision 18	Page	
	EKJ 1	170/ERJ 19	_	Ren	air c	ategory	36-9	
Syster Seque		ITEM	1		Num	ber installed		
No.		I I LIVI			3. 1	Number required for dispatch		
26 DN	ELIMATIC	<u> </u>				4. Remarks and/or exception	S	
	EUMATIC Engine B Systems (Continue	leed						
-05	EMBRAE 195-E2 (Continue	ER 190-E2/ ed)						
-C			A	2	0	 (O) Except for ER operation may be inoperative provious). Both engine bleeds reselected off, b) APU Pneumatic Bleed System operates normon considered inoperative and engine and eng	ded: emain d mally, or is e, hin	

A ! !		MASTER N	/IININ	/IUN	/I E	QUIPMENT LIST	l n-
Airplan		J 170/ERJ 19	0			Revision 18	Page 36-10
		J I/O/LING IS		Rep	air c	ategory	30-10
Syste		ITEM		2. I	Num	ber installed	
Seque No		I I EIVI			3. 1	Number required for dispatch	
						4. Remarks and/or exception	S
<u> 6 PN</u>	EUMAT	TC				•	
00-00	Engine Systen (Contir	ns					
-05	EMBR 195-E2 (Contir						
-D			A	2	0	 (O) Except for ER operating be inoperative provious) Both engine bleeds reselected off, b) Flight is conducted in unpressurized configuration, c) Wing Anti-Ice System considered inoperative and d) Repairs are made with 10 flight days. NOTE: See AFM for Engalistant – Windm (Engine Airstart Envelope). 	ded: emain an is e, hin

	MASTER MINIMUM EQUIPMENT LIST											
Airplan	e ERJ 170/ERJ 190	1			Revision 18	Page 36-11						
01			Repa	air c	ategory	30-11						
Syster Seque			2. 1		ber installed							
No.	•			3. I	Number required for dispatch 4. Remarks and/or exception	 S						
36 PN	EUMATIC				•							
00-01	Bleed Air Manifold Pressure Indication on MFD											
-01	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	С	4	0	(O) May be inoperative provided alternate procedare established and used							
-02	EMBRAER 190-E2/ 195-E2	С	4	0								
10-01	Cross Bleed Valve											
-01	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000					1						
-A		С	1	0	(M)(O) Except for ER operations, may be inoperative provided valverified closed and rema closed except for ground engine starting.	ins						
					NOTE: See AFM for Eng Airstart – Windmi (Engine Airstart Envelope).							
					(Continued)							
		1										

	MAST	ER MINII	ΜU	ΜE	QUIPMEN	T LIST	
Airplan		D 1 400			Revision 1	18	Page
	ERJ 170/EF		Ror	nair (ategory		36-12
Syster					ber installed	1	
Seque No.		l			Number requ	ired for dispatch	
	· 				4. Remarks	and/or exceptions	s
36 PN	EUMATIC				1		
10-01	Cross Bleed Va (Continued)	alve					
-01	EMBRAER 170/175/190/19 190 FREIGHTI LINEAGE 1000 (Continued)	ER/					I
-B		С	1	0	may be in a) Both E Systen inopera b) APU P	ot for ER operat operative provi ingine Bleed ns are consider ative, and Pneumatic Bleed n is considered ative.	ded: red d
					NOTE 1:	See AFM for Engine Airstar Windmilling (Engine Airsta Envelope).	
					NOTE 2:	APU Pneuma Bleed System be used for er starting.	may
					(Continue	d)	

	MASTER MINIMUM EQUIPMENT LIST											
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 36-13						
_			Repa	ategory	30-13							
Syster Seque			2. 1									
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions							
26 DN	EUMATIC	I			4. Remarks and/or exceptions	<u> </u>						
				1								
10-01	Cross Bleed Valve (Continued)											
-02	EMBRAER 190-E2/ 195-E2											
-A		С	1	0	(M)(O) Except for ER operations, may be inoperative provided valve deactivated closed and remains closed except for ground engine starting.							
					NOTE: See AFM for Engi Airstart – Windmil (Engine Airstart Envelope).							
-B		Α	1	0	 (O) Except for ER operation may be inoperative provided a) Both Engine Bleed Systems are considered inoperative, b) APU Pneumatic Bleed System is considered inoperative, and c) Repairs are made with 10 flight days. 	ed						
					NOTE 1: See AFM for Engine Airstart Windmilling (Engine Airstar Envelope).							
					NOTE 2: APU Pneumati Bleed System be used for en- starting.	may						

Airplan		^				ge
	ERJ 170/ERJ 19					-14
Syster	n &	1. 1			ategory	
Seque			2. 1		ber installed	
No.				J. I	Number required for dispatch 4. Remarks and/or exceptions	
36 DN	EUMATIC		<u> </u>		4. Nemarks and/or exceptions	
11-01	High Stage Bleed Valves					
-01	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	С	2	0	 (M) Except for ER operation may be inoperative provided a) Affected High Stage Blee Valve is secured closed, and b) Associated Engine Bleed System is considered inoperative. 	l: ed
					NOTE: See AFM for Engine Airstart – Windmillin (Engine Airstart Envelope).	
-02	EMBRAER 190-E2/ 195-E2					
-A		С	2	1	 (M) Except for ER operation one may be inoperative provided: a) Cross Bleed Valve is operative, b) Affected High Stage Bleet Valve is secured closed, and c) Associated Engine Bleet System is considered inoperative. 	ed
					NOTE: See AFM for Engine Airstart – Windmilling (Engine Airstart Envelope).	
					(Continued)	

		MIASILIX	MILLEIN			QUIPMENT LIST	_
Airplan		170/ERJ 19	20			Revision 18	Page
	ERJ	1/U/ERJ 1		Ran	air c	ategory	36-15
Syste		1754	•••	2. 1	Num	ber installed	
Seque No		ITEM			3. 1	Number required for dispatch	
						4. Remarks and/or exception	s
36 PN	EUMATI	С		1	1		
11-01	High St Valves (Contin	age Bleed ued)					
-02	EMBRA 195-E2 (Contin		'				
-B			A	2	0	 (M) Except for ER opera may be inoperative provious) Affected High Stage in Valve is secured closed. b) Associated Engine Bly System is considered inoperative. c) Wing Anti-Ice System considered inoperative and d) Repairs are made with 10 flight days. NOTE: See AFM for Engine Airstart – Windm (Engine Airstart Envelope). 	ded: Bleed ed, eed is e, hin

A ! !	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 19()				Page 6-16					
			Repa	air c	ategory	0-10					
Syster					ber installed						
Seque No.				3. 1	lumber required for dispatch						
					4. Remarks and/or exceptions						
36 PN	EUMATIC	1	1	1							
11-03	Engine Bleed Valves										
-01	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	С	2	0	 (M) Except for ER operation may be inoperative provided a) Affected Engine Bleed Valve is secured closed and b) Associated Engine Bleed System is considered inoperative. 	ed: I,					
					NOTE: See AFM for Engin Airstart – Windmillin (Engine Airstart Envelope).						
-02	EMBRAER 190-E2/ 195-E2										
-A		С	2	1	 (M) Except for ER operation one may be inoperative provided: a) Cross Bleed Valve is operative, b) Affected Engine Bleed Valve is secured closed and c) Associated Engine Bleed System is considered inoperative. 	Ι,					
					NOTE: See AFM for Engin Airstart – Windmillin (Engine Airstart Envelope).						
					(Continued)						

		MASTER M	NIN	1UN	/I E	QUIPMENT LIST	
Airplan		170/ERJ 190				Revision 18	Page 36-17
		170/213 190		Ren	air c	ategory	30-17
Syster						ber installed	
Seque No.		ITEM				Number required for dispatch	
NO.						4. Remarks and/or exception	s
36 PN	EUMATIO	C			_		
11-03	Engine E	Bleed Valves ied)					
-02	EMBRA 195-E2 (Continu	ER 190-E2/					
-B	(Commic	ieu)	A	2	0	 (M) Except for ER operating be inoperative provious) Affected Engine Bleed Valve is secured closed. b) Associated Engine Bleed System is considered inoperative, c) Wing Anti-Ice System considered inoperative and d) Repairs are made with 10 flight days. NOTE: See AFM for Enganistant – Windmin (Engine Airstart – Windmin (Engine Airstart Envelope). 	ded: d ed, eed is ee, hin

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	ERJ 170/ERJ 19	0			Revision 18	Page 36-18					
System	•	1. I	Repa	ategory							
System Sequence			2. 1		ber installed						
No.				3. 1	Number required for dispatch						
					4. Remarks and/or exception	S					
36 PNE	UMATIC	1	1		<u> </u>						
(Fan Air Valves EMBRAER 190-E2/ I95-E2)	,									
-A		С	2	1	 (M) Except for ER operatione may be inoperative provided: a) Cross Bleed Valve is operative, b) Affected Fan Air Valve secured closed, and c) Associated Engine Bl System is considered inoperative. 	e is eed					
					NOTE: See AFM for Eng Airstart – Windmi (Engine Airstart Envelope).	•					
-B		A	2	0	 (M) Except for ER operating may be inoperative provious) a) Affected Fan Air Valve secured closed, b) Associated Engine BI System is considered inoperative, c) Wing Anti-Ice System considered inoperative and d) Repairs are made with 10 flight days. NOTE: See AFM for Engine Airstart – Windmin (Engine Airstart Envelope). 	ded: e is eed is e, hin					

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190					age 6-19				
			Repa	air c	ategory	0-13				
Syster Seque				Num	ber installed					
No.				3. 1	Number required for dispatch					
26 DNI	EUMATIC				4. Remarks and/or exceptions					
30 FIN	EUNATIC	1	l	l						
11-12	Fan Air Inlet Doors (EMBRAER 170/175) (Applicable to Pre- Mod. SB 170-36- 0008 or Post-Mod SB 170-54-0010)	С	2	0	(M) (O) May be inoperative provided:a) Affected door is secured open, andb) Appropriate performance penalties are applied.	d				
12-00	APU Pneumatic Bleed System	С	1	0	Except for ER operations, may be inoperative provide APU Bleed remains selected off.					
12-01	APU Bleed Valve									
-A		С	1	0	Except for ER operations, may be inoperative provide APU is considered inoperative.	 ed				
-B		С	1	0	 (O) Except for ER operation may be inoperative provided a) APU Bleed remains selected OFF, b) Valve is verified failed closed, c) APU may be used only ground, and d) Engine Bleed Systems anot used with APU running. 	ed: on				
-C	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	С	1	0	(M) Except for ER operationmay be inoperative providea) Valve is secured closed andb) APU Bleed remains selected off.	ed:				
12-02	APU Bleed Check Valve	С	1	0	Except for ER operations, may be inoperative provide APU Bleed remains selecte off.					

Airplan	е					QUIPMENT LIST Revision 18	Page
		RJ 170/ERJ 190)				36-20
Syster	n &		1. I			ategory	
Seque		ITEM		2. 1		ber installed	
No.					3. 1	Number required for dispatch	
						4. Remarks and/or exception	S
36 PN	EUMA	TIC	ī	1	1	<u> </u>	
13-01	Grou	Pressure nd Connection k Valve	С	1	0	May be inoperative close provided APU Pneumation Bleed System operates	
						normally.	
21-02	Overl	ne Bleed neat Detection rm (ODS)					
-01	170/1 190 F	RAER 75/190/195/ REIGHTER/ AGE 1000					
-A			С	2	1	 (M)(O) Except for ER operations, Engine Bleed System 1 ODS may be inoperative provided: a) Associated Engine Bl System is considered inoperative, b) Cross Bleed valve rer closed except for eng start, c) APU Pneumatic Bleed System is considered inoperative, and d) Wing Anti-Ice System considered inoperative NOTE: See AFM for Eng Airstart – Windmin (Engine Airstart Envelope). 	eed mains ine d is e. gine
						(Continued)	

		MASIERIV	IIINIIN	IUI	ΛE	QUIPMENT LIST	
Airplan		170/ERJ 19	0				age 6-21
			_	Rep	air c	ategory	
Syster Seque		ITEM			Num	ber installed	
No		II LIVI			3. I	Number required for dispatch	
						4. Remarks and/or exceptions	
36 PN	EUMAT	IC	1	1	1		
21-02		at Detection (ODS)					
-01	190 FR	5/190/195/ EIGHTER/ GE 1000					I
-B			С	2	1	(M)(O) Except for ER operations, Engine Bleed System 2 ODS may be inoperative provided: a) Associated Engine Blee System is considered inoperative, b) Cross Bleed valve remarclosed except for engine start, and c) Wing Anti-Ice System is considered inoperative. NOTE: See AFM for Engine Airstart – Windmillir (Engine Airstart Envelope). (Continued)	ins e

	MASTER MI	NIN	1UN	ΙE	QUIPMENT LIST		
Airplane	ERJ 170/ERJ 190				Revision 18	Page 36-22	
			Rep	air c	ategory	30-22	
Syster Seque			2. 1	Num	ber installed		
Seque No.				3. 1	Number required for dispatch		
					4. Remarks and/or exception	S	
36 PN	EUMATIC			1	<u> </u>		
21-02	Engine Bleed Overheat Detection System (ODS) (Continued)						
-01	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000 (Continued)						1
-C		С	2	0	 (O) Except for ER operat may be inoperative provi a) Both Engine Bleed Systems are consider inoperative, and b) APU Pneumatic Bleed System is considered inoperative. 	ded: red d	
					NOTE: See AFM for Eng Airstart – Windmi (Engine Airstart Envelope).		
					(Continued)		

Airplan					<u>'' </u>	QUIPMENT LIST	
		170/ERJ 19	۰.			Revision 18	Page 36-23
	LINU	170/LIX5 18		2an	air c	ategory	30-23
Syste			'''			ber installed	
Seque		ITEM				Number required for dispatch	
No	•					4. Remarks and/or exceptions	;
36 PN	EUMATION	C					
21-02	Engine I Overhea System (Continu	at Detection (ODS)					
-02	EMBRA 195-E2	ER 190-E2/					
-A			A	2	1	 (O) Except for ER operation Engine Bleed System 1 Comay be inoperative provided a) Engine Bleed System considered inoperative b) Cross Bleed Valve renclosed except for enginstart, c) APU Pneumatic Bleed System is considered inoperative, d) Wing Anti-Ice System considered inoperative and e) Repairs are made with 10 flight days. NOTE: See AFM for Eng Airstart – Windmill (Engine Airstart Envelope). (Continued) 	DDS ded: 1 is e, nains ne I is e,

Airplan		MASTER MINIMUM EQUIPMENT LIST										
				Revision 18								
	ERJ 170/ERJ 19		Dan:	air c	estogory	36-24						
Syste		'	Repair category Number installed									
Seque					Number required for dispatch							
					4. Remarks and/or exception	s						
36 PN	EUMATIC		1									
21-02 -02	Engine Bleed Overheat Detection System (ODS) (Continued) EMBRAER 190-E2/											
-02	195-E2 (Continued)											
-B		A	2	1	(O) Except for ER operations and the start, considered inoperative and do Repairs are made with 10 flight days. NOTE: See AFM for Engairstart Envelope). (Continued)	DDS ded: 2 is e, mains ine is e, hin						

	MASTER MINIMUM EQUIPMENT LIST										
Airplan			Revision 18 Pag								
	ERJ 170/ERJ 190		1. Repair category								
Syster		1.1	2 I	air c	ategory Iber installed						
Seque No.					Number required for dispatch						
NO					4. Remarks and/or exception	s					
36 PN	EUMATIC										
21-02 -02	Engine Bleed Overheat Detection System (ODS) (Continued) EMBRAER 190-E2/ 195-E2 (Continued)										
-C		A	2	0	(O) Except for ER operation both may be inoperative provided: a) Both Engine Bleed Systems are consider inoperative, b) APU Pneumatic Bleet System is considered inoperative, and c) Repairs are made wit 10 flight days. NOTE: See AFM for Enganistart – Windman (Engine Airstart Envelope).	red d hin gine					

		MASIERIV	HIMIIN	IUI	/	QUIPMENT LIST	
Airplar		J 170/ERJ 19	0			Revision 18	Page 36-26
Syste						ategory	ч
Seque		ITEM		2. I		ber installed	
No					3. 1	Number required for dispatch 4. Remarks and/or exception	
36 PN	IEUMAT	ic.				4. Remarks and/or exception	15
21-03	APU O Detecti (ODS)	verheat on System					
-01	190 FF	AER 5/190/195/ REIGHTER/ GE 1000	C	1	0	 (O) Except for ER opera APU ODS may be inoperovided: a) Engine Bleed System considered inoperative. b) Cross Bleed Valve reclosed except for engistart. c) APU Pneumatic Blee System is considered inoperative, and d) Wing Anti-Ice System considered inoperativ. NOTE: See AFM for Engine Airstart – Windm (Engine Airstart Envelope). (Continued) 	rative n 1 is ve, mains gine d l n is ve.

Revision 18 Page 36-27		IININ	/IUN	/I E	-	,
Sequence No. 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 36 PNEUMATIC 21-03 APU Overheat Detection System (ODS) (Continued) -02 EMBRAER 190-E2/ 195-E2 A 1 0 (O) Except for ER operations, APU ODS may be inoperative provided: a) Engine Bleed System 1 is considered inoperative, b) Cross Bleed Valve remains closed except for engine start, c) APU Pneumatic Bleed System is considered inoperative, d) Wing Anti-Ice System is considered inoperative, and e) Repairs are made within		0			Revision 18	_
Sequence No. 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 36 PNEUMATIC 21-03 APU Overheat Detection System (ODS) (Continued) -02 EMBRAER 190-E2/ 195-E2 A 1 0 (O) Except for ER operations, APU ODS may be inoperative provided: a) Engine Bleed System 1 is considered inoperative, b) Cross Bleed Valve remains closed except for engine start, c) APU Pneumatic Bleed System is considered inoperative, d) Wing Anti-Ice System is considered inoperative, and e) Repairs are made within			Rep	air c	ategory	1
3. Number required for dispatch 4. Remarks and/or exceptions 3. Number required for dispatch 4. Remarks and/or exceptions 3. Number required for dispatch 4. Remarks and/or exceptions 4. Remarks and/or exceptions						
36 PNEUMATIC 21-03 APU Overheat Detection System (ODS) (Continued) -02 EMBRAER 190-E2/ 195-E2 A 1 0 (O) Except for ER operations, APU ODS may be inoperative provided: a) Engine Bleed System 1 is considered inoperative, b) Cross Bleed Valve remains closed except for engine start, c) APU Pneumatic Bleed System is considered inoperative, d) Wing Anti-Ice System is considered inoperative, and e) Repairs are made within	ice IIEM					
21-03 APU Overheat Detection System (ODS) (Continued) -02 EMBRAER 190-E2/ 195-E2 A 1 0 (O) Except for ER operations, APU ODS may be inoperative provided: a) Engine Bleed System 1 is considered inoperative, b) Cross Bleed Valve remains closed except for engine start, c) APU Pneumatic Bleed System is considered inoperative, d) Wing Anti-Ice System is considered inoperative, and e) Repairs are made within						
Detection System (ODS) (Continued) -02 EMBRAER 190-E2/ 195-E2 A 1 0 (O) Except for ER operations, APU ODS may be inoperative provided: a) Engine Bleed System 1 is considered inoperative, b) Cross Bleed Valve remains closed except for engine start, c) APU Pneumatic Bleed System is considered inoperative, d) Wing Anti-Ice System is considered inoperative, and e) Repairs are made within	EUMATIC	,				
a) Engine Bleed System 1 is considered inoperative, b) Cross Bleed Valve remains closed except for engine start, c) APU Pneumatic Bleed System is considered inoperative, d) Wing Anti-Ice System is considered inoperative, and e) Repairs are made within	Detection System (ODS) (Continued) EMBRAER 190-E2/	А	1	0	APU ODS may be inope	
					 a) Engine Bleed System considered inoperative. b) Cross Bleed Valve reclosed except for engistart, c) APU Pneumatic Blee System is considered inoperative, d) Wing Anti-Ice System considered inoperative and e) Repairs are made wire 	ve, emains gine d d i is
	1	ERJ 170/ERJ 19 ARE ITEM EUMATIC APU Overheat Detection System (ODS) (Continued) EMBRAER 190-E2/	ERJ 170/ERJ 190 1.1 EUMATIC APU Overheat Detection System (ODS) (Continued) EMBRAER 190-E2/ A	ERJ 170/ERJ 190 1. Repaire ITEM 1. Repaire 2. I EUMATIC APU Overheat Detection System (ODS) (Continued) EMBRAER 190-E2/ A 1	ERJ 170/ERJ 190 1. Repair of 2. Num 3. I EUMATIC APU Overheat Detection System (ODS) (Continued) EMBRAER 190-E2/ A 1 0	ITEM 1. Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exception EUMATIC APU Overheat Detection System (ODS) (Continued) EMBRAER 190-E2/ 195-E2 A 1 0 (O) Except for ER opera APU ODS may be inope provided: a) Engine Bleed System considered inoperativ b) Cross Bleed Valve re closed except for eng start, c) APU Pneumatic Blee System is considered inoperative, d) Wing Anti-Ice System considered inoperativ and e) Repairs are made with

MASTER MINIMUM EQUIPMENT LIST									
				Revision 18	Page 38-1				
		Repa	air c	ategory	30-1				
			Num	ber installed					
			3. 1						
TED AND WASTE				4. Remarks and/or exception	<u>s</u>				
TER AND WASIE	1		1						
Water & Waste System Indications on Flight Attendant Panel (EMBRAER 170/175/190/195)	D	11	0						
Water & Waste Indications on CMS (EMBRAER 190-E2/ 195-E2)									
Potable Water Indications									
	С	-	0						
	D	-	0						
Waste Tank Indications									
	С	-	0						
	D	-	0						
				(Continued)					
	ERJ 170/ERJ 190 M & ITEM ATER AND WASTE Water & Waste System Indications on Flight Attendant Panel (EMBRAER 170/175/190/195) Water & Waste Indications on CMS (EMBRAER 190-E2/ 195-E2) Potable Water Indications Waste Tank	ERJ 170/ERJ 190 m & ITEM ATER AND WASTE Water & Waste System Indications on Flight Attendant Panel (EMBRAER 170/175/190/195) Water & Waste Indications on CMS (EMBRAER 190-E2/ 195-E2) Potable Water Indications C Waste Tank Indications C	re ERJ 170/ERJ 190 m & ITEM TER AND WASTE Water & Waste System Indications on Flight Attendant Panel (EMBRAER 170/175/190/195) Water & Waste Indications on CMS (EMBRAER 190-E2/195-E2) Potable Water Indications C - Waste Tank Indications C -	TER AND WASTE Water & Waste System Indications on Flight Attendant Panel (EMBRAER 170/175/190/195) Water & Waste Indications on CMS (EMBRAER 190-E2/ 195-E2) Potable Water Indications C - 0 Waste Tank Indications C - 0	Revision 18 Revision 18 R				

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Airplan					Revision 18	Page				
	ERJ 170/ERJ 190		Rena	air c	category	38-2				
Syster Seque					nber installed					
Seque No.				3. I	Number required for dispatch					
					4. Remarks and/or exception	S				
38 WA	TER AND WASTE		1		<u> </u>					
00-03	Water & Waste Indications on CMS (EMBRAER 190-E2/ 195-E2) (Continued)									
-03	Lavatory Gray Water Interface Valve Indications									
-A		С	-	0	(M) May be inoperative provided associated valv verified operative.	e is				
-B		С	-	0	May be inoperative provi associated valve is considered inoperative.	ded				
-04	Galley Gray Water Interface Valve Indications									
-A		С	-	0	(M) May be inoperative provided associated valv verified operative.	e is				
-B		С	-	0	May be inoperative provi associated valve is considered inoperative.	ded				
00-06	Water and Waste Status Panel (EMBRAER 190 FREIGHTER)					 				
-01	FAULT Indication Lights	D	3	0	(M) May be inoperative provided alternate proceare established and used					
-02	WATER TANK Indication Light	D	1	0	(M) May be inoperative provided alternate proceare established and used					
-03	SVC TANK Indication Light	D	1	0	(M) May be inoperative provided alternate proce are established and used					

	MASTER MINIMUM EQUIPMENT LIST									
Airplane	ERJ 170/ERJ 190	Revision 18								
System	R	1. I			ategory					
Sequen			2. 1		ber installed					
No.				3. r	Number required for dispatch 4. Remarks and/or exceptions	<u> </u>				
38 WAT	TER AND WASTE	1	I		4. Remarks analor exceptions	<u> </u>				
	Potable Water System									
-A		С	-	-	 (M) Individual componen may be inoperative providual Associated componer are deactivated or iso and b) Associated system components are verificant to have leaks. 	ded: nts lated,				
					NOTE: Any portion of sys which operates normally may be					
-B		С	-	-	(M) May be inoperative provided:a) System is drained, anb) Procedures are established to ensure system is not serviced	that				
	Lavatory Infrared Sensors (LINEAGE 1000)	С	-	0	(M) May be inoperative provided associated lava door(s) is(are) secured cand placarded "INOPERATIVE – DO NOENTER".	losed				

MASTER MINIMUM EQUIPMENT LIST									
Airplane	ERJ 170/ERJ 190				Revision 18	Page 38-4			
Custon		1. I	Repa	air c	ategory				
Systen Sequer			2. 1		ber installed				
No.				3. 1	Number required for dispatch				
38 WA	TER AND WASTE				4. Remarks and/or exception	5			
							_		
11-04	Fill/Drain Valve								
-A		С	1	0	(M) May be inoperative				
					provided:				
					a) Valve is verified in clo	sed			
					position,	_			
					b) Valve is verified not to have leaks, and)			
					c) Alternate procedures	are			
					established and used				
-B		С	1	0	May be inoperative provi	ded			
					Potable Water System is				
					considered inoperative.				
11-05	Fill/Drain Switch	С	1	0	(M) May be inoperative				
					provided alternate proced				
					are established and used	1.			
11-06	Fill/Drain Nipple								
-01	Fill/Drain Nipple Cap	С	1	0	(M) May be inoperative of				
					missing provided Fill/Dra				
					Nipple is verified not to h	ave			
					leaks.				
11-07	Lavatory Faucet	С	-	0	(M) May be inoperative				
	(EMBRAER				provided affected lavator	У			
	170/175/190/195/				faucet is deactivated.		ı		
44.00	190 FREIGHTER)		,	_	(NA) NA l		ı		
11-09	Fwd Drain Valve	С	1	0	(M) May be inoperative				
					provided: a) Valve is secured on c	locad			
					position, and	ioseu			
					b) Alternate procedures	are			
					established and used				
					drain the Potable Wat	er			
					System lines.				
					NOTE: Potable water inf				
					drainage system	will			
					be inoperative.				
		1		1					

	MASTER MI	NIN	1UN	ΛE	QUIPMENT LIST	
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 38-5
01			Repa	air c	ategory	
Syster Seque			2. 1	Num	ber installed	
No				3. 1	Number required for dispatch	
00 10/0					4. Remarks and/or exceptions	i
38 WA	ATER AND WASTE		ı	ı	1	
11-14	Cockpit Inflight Drainage System					
-A	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	D	1	0	(M) May be inoperative provided:a) Aft Drain Valve is deactivated, andb) Alternate procedures a established and used.	
-B	EMBRAER 190-E2/ 195-E2	D	1	0	(M) May be inoperative provided:a) In-Flight Drain Valve is deactivated, andb) Alternate procedures a established and used.	are
11-18 ***	UV Water Treatment Module (EMBRAER 190-E2/ 195-E2)	D	1	0		
11-19 ***	UV Solenoid Valve (EMBRAER 190-E2/ 195-E2)	D	1	0	(M) May be inoperative provided valve is secured open position.	l in
13-04	Water Tank Quantity Indication Panel					
-01	EMBRAER 170/175/190/195/ 190 FREIGTHER/ LINEAGE 1000					I
-A	"FULL" Indication	С	1	0	(M) May be inoperative provided alternate proced are established and used	
-В	"DRAIN" Indication	С	1	0	May be inoperative provious water level sensor operations normally. (Continued)	

	MASTER MI	NIN	/UN	ΙE	QUIPMENT LIST			
Airplan					Revision 18	Page		
	ERJ 170/ERJ 190		Ran	air c	eatenory	38-6		
Syster			Repair category Number installed					
Seque No.				3. I	Number required for dispatch			
00 11/4					4. Remarks and/or exceptions	<u>s</u>		
38 WA	TER AND WASTE	1	ı	1	<u> </u>			
13-04	Water Tank Quantity Indication Panel (Continued)							
-02	EMBRAER 190-E2/ 195-E2							
-A	Water Quantity Indication LEDs	С	5	0	(M) May be inoperative provided alternate procedure established and used			
-B	"READY" Indication	С	1	0	May be inoperative proving "WAIT" indication on Pota Water Service Panel open normally.	able		
-C	"WAIT" Indication	С	1	0	May be inoperative provious "READY" indication on Potable Water Service Properates normally.			
31-01	Gray Water Holding Unit	D	-	0	(M) May be inoperative provided Gray Water Dra Valve is secured in open position.			

MASTER MINIMUM EQUIPMENT LIST											
Airplane	ERJ 170/ERJ 19)			Revision 18	Page 38-7					
		_	Ren	ategory							
Syster		1									
Seque	nce ITEM		٤. ١		Imber installed						
No.				J. 1	Number required for dispatch						
20 11/4			<u> </u>	<u> </u>	4. Remarks and/or exception	5					
38 WA	TER AND WASTE	1	1	1	<u> </u>						
31-04	Auto Drain Valve										
-A		С	-	0	 (M) May be inoperative provided: a) Valve is secured close b) Water supply to affect galley/lavatory sink is deactivated, and c) Affected galley/lavators sink is not used. 	ted					
-B		С	-	0	(M) May be inoperative provided:a) Manual shutoff valve deactivated, andb) Affected galley/lavato not used.						
31-09	Gray Water Interface Valve (EMBRAER 190-E2/ 195-E2)										
-A		С	-	0	 (M) May be inoperative provided: a) Valve is secured close b) Water supply to affect galley/lavatory sink is deactivated, and c) Affected galley/lavators sink is not used. 	ted					
-B		С	-	0	(M) May be inoperative provided:a) Manual shutoff valve deactivated, andb) Affected galley/lavato not used.						

MASTER MINIMUM EQUIPMENT LIST										
Airplane	ERJ 170/ERJ	190			Revision 18	Page 38-8				
0		1.1	Rep	ategory						
System &					ber installed					
Sequence No.	I I EIVI			3. 1	Number required for dispatch					
					4. Remarks and/or exception	s				
38 WATE	R AND WAST	E		1						
	acuum Waste /stem (VWS)									
-A		С	-	-	 (M) Individual component may be inoperative provious) a) Associated component are deactivated or isotand b) Associated system components are verificant to have leaks. 	ded: nts lated,				
					NOTE: Any portion of sy which operates normally may be					
-B		С	-	-	 (M) May be inoperative provided: a) Associated componer are deactivated or isoto prevent leaks, and b) Associated lavatory door(s) is(are) secure closed and placarded "INOPERATIVE – DOENTER". 	lated d				
					NOTE: These provisos a not intended to prohibit inspectio crewmembers. (Continued)					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 19			Revision 18	Page 38-9						
Syster	n &	1. I			ategory						
Seque			2. 1		ber installed Number required for dispatch						
No.				3. I	4. Remarks and/or exception	<u> </u>					
38 WA	TER AND WASTE	I			Tromano anaror exception						
32-00	Vacuum Waste System (VWS) (Continued)										
-C		D	-	-	 (M) Associated lavatory system may be inoperati provided: a) Water supply to affect lavatory is deactivated and b) Affected lavatory doon is(are) secured closed placarded "INOPERA – DO NOT ENTER". 	ted d, r(s) d and					
					NOTE: These provisos a not intended to prohibit inspectio crewmembers.						
32-03	Flush Switch (EMBRAER 190-E2, 195-E2)	C	-	0	May be inoperative provi associated vacuum wast system is not used.						
-01 ***	Touchless Activation Function	D D	-	0							

MASTER MINIMUM EQUIPMENT LIST										
Airplan		70/ERJ 190)			Revision 18	Page 38-10			
0	0		1. I	Rep	air c	ategory				
Syster Seque		ITEM			Num	ber installed				
No.					3. I	Number required for dispatch				
						4. Remarks and/or exception	S			
38 WA	TER AND	WASTE	1	1	1					
32-09	Vacuum	Generator								
-A			A	1	0	May be inoperative power on (running) continuously provided repairs are mad within one flight day.	y			
-B			С	1	0	(M) May be inoperative provided: a) Vacuum Generator is deactivated, and b) Associated lavatory door(s) is(are) secured closed and placarded "INOPERATIVE – DO NOTENTER".				
						NOTE: These provisos a not intended to prohibit inspection crewmembers.				
-C			С	1	0	 (M)(O) May be inoperative provided: a) Vacuum Generator is deactivated, and b) Procedures are established and used only allow use of the lavatory at or above FL 180. 				
34-01	(EMBRAI 170/175/	190/195/ IGHTER/	С	-	0	(M) May be inoperative provided associated lava door(s) is(are) secured cand placarded "INOPERATIVE – DO NOENTER". NOTE: These provisos a not intended to prohibit inspection crewmembers.	losed OT are			

	MASTER MINIMUM EQUIPMENT LIST											
Airplan	e ERJ 170/ERJ 190	n			Revision 18	Page 44-1						
			Repa	air c	category	77-1						
Syster Seque				Num	nber installed							
No				3. I	Number required for dispatch							
					4. Remarks and/or exception	S						
44 CA	BIN SYSTEMS	1	ı	1	<u> </u>							
12-01	Passenger Cabin/ Galley Speakers											
-01	EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000											
-A		С	-	-	(M) Individual speakers r be inoperative provided a seat from which a passed cannot clearly hear a passenger address announcement is blocked placarded "DO NOT OCCUPY".	any nger						
-B		С	-	-	May be inoperative provi Passenger Address Syst considered inoperative.							
-02	EMBRAER 190 FREIGHTER	С	2	0	(O) May be inoperative provided alternate procedure established and used							
12-02	Lavatory Speakers					-						
-01	EMBRAER 170/175/190/195/ 190-E2/195-E2	С	-	0	(O) May be inoperative provided alternate procedure established and used							
-02	EMBRAER 190 FREIGHTER											
-A		С	1	0	(O) May be inoperative provided alternate procedure established and used							
-B		D	1	0	May be inoperative provi procedures do not requir use.							

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190)			8	Page 44-2					
Syster	n &	1.	Rep								
Seque			2. I		ber installed						
No.				3. 1	ired for dispatch and/or exceptions	•					
44 CA	BIN SYSTEMS			l	4. Nemarks	and/or exception	3				
13-07	Flight Attendant Alerting System (Chime/Light)										
-01	Flight Attendant Call Lights (Rainbow Lights)										
-A	EMBRAER 170/175/190/195/ 190-E2/195-E2	В	-	0	provided: a) PA sys normal b) Alterna contac	e inoperative stem operates lly, and ate procedures ting flight atten- cablished and u	dants				
					NOTE 1:	Passenger to Attendant Call System is considered No Essential Equipment an Furnishing (NI Passenger Convenience	on- d EF)/				
					NOTE 2:	system function that operates normally may used.	on(s)				
					(Continue	d)					

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Airplan		2 1 400				Revision 1	18	Page
	ERJ 170/EF		1. F	Rena	air c	ategory		44-3
Syster Seque						ber installed	İ	
No					3. 1	Number requ	ired for dispatch	
44.04	DIN OVOTEMO					4. Remarks	and/or exception	S
44 CA	BIN SYSTEMS	1	- 1		ı	1		
13-07	Flight Attendar Alerting Syster (Chime/Light) (Continued)							
-01	Flight Attendar Lights (Rainbo Lights) (Continued)							
-B	LINEAGE 1000		С	-	0	provided a for contact	e inoperative alternate proce ting flight atten ished and used	idants
		1	D	-	0		operative provi es do not requir	
						NOTE 1:	Passenger to Attendant Cal System is considered No Essential Equipment an Furnishing (N Passenger Convenience	II on- nd EF)/
						NOTE 2:	Any visual ale system function that operates normally may used.	on(s)
						(Continue	d)	

	MASTER M	IININ	/UN	ИE	QUIPMEN [®]	T LIST	
Airplan		^			Revision 1	18	Page
	ERJ 170/ERJ 19		Ren	air c	ategory		44-4
Syster		•••			ber installed	I	
Seque No.				3. I		ired for dispatch	
44.04					4. Remarks	and/or exception	S
44 CA	BIN SYSTEMS		1	1	ı		
13-07	Flight Attendant Alerting System (Chime/Light) (Continued)						
-02	Flight Attendant Chime						
-A	EMBRAER 170/175/190/195/ 190-E2/195-E2	В	-	0	provided: a) PA sys normal b) Alterna contac	te inoperative stem operates lly, and ate procedures ting flight attentablished and u	dants
					NOTE 1:	Passenger to Attendant Cal System is considered No Essential Equipment an Furnishing (No Passenger Convenience	on- id EF)/
					NOTE 2:	Any audio ale system function that operates normally may used.	on(s)
					(Continue	d)	

	MASTER MINIMUM EQUIPMENT LIST											
Airplan		Revision 18 Pa										
	ERJ 170/ERJ 190		Rena	air c	ategory		44-5					
Syster					ber installed	i						
Seque No.					lumber requ	ired for dispatch						
140			4. Remarks and/or exceptions									
44 CA	BIN SYSTEMS		•									
13-07	Flight Attendant Alerting System (Chime/Light) (Continued)											
-02	Flight Attendant Chime (Continued)											
-B	LINEAGE 1000				provided a for contact	e inoperative alternate proced ting flight atten ished and used	dants					
			May be inoperative provided procedures do not require it use.									
					NOTE 1:	Passenger to Attendant Call System is considered No Essential Equipment an Furnishing (NI Passenger Convenience	on- d EF)/					
					NOTE 2:	Any audio aler system function that operates normally may used.	on(s)					
14-09	Main Deck Horn (EMBRAER 190 FREIGHTER)	С	1	0		operative provi erary seat is no						

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 44-6				
			Repa	air c	ategory	1470				
Syster Seque			2. 1							
No.				3. Number required for dispatch						
			<u> </u>	<u> </u>	4. Remarks and/or exception	<u>s</u>				
44 CA	BIN SYSTEMS	1	1	1	<u> </u>					
15-00	Cabin Management System (EMBRAER 190-E2/ 195-E2)									
-A		С	1	0	(M)(O) May be inoperative provided:a) Alternate procedures established and usedb) System is turned OFF	are , and				
					NOTE: Any portion of the system that opera normally may be	ates				
-B		D	1	0	May be inoperative provi procedures do not requir use.					
15-01	Input-Output Distribution Node (IODN) (EMBRAER 190-E2/ 195-E2)	С	2	0	One or both may be inoperative.					
					NOTE: With one IODN inoperative, the sidewall lights or ceiling lights open in standard mode					
20-01	In-Flight Entertainment System (IFE) Maintenance Panels (EMBRAER 170/175/190/195)	D	2	0	(M) May be inoperative provided alternate procedure established and used					
	170/170/190/190/				NOTE: Any portion of the system that opera normally may be	ates				

MASTER MINIMUM EQUIPMENT LIST									
Airplan					Revision 18	Page 44-7			
	ERJ 170/ERJ 190		1. Repair category						
Syster			2. Number installed						
Seque No.			3. Number required for dispatch						
					4. Remarks and/or exception	s			
44 CA	BIN SYSTEMS	1	1	1	1				
20-03	In-Flight Entertainment System (IFE) Reset Switch on IFE Flight Attendant Control Panel (EMBRAER 170/175/190/195)	D	1	0	(M) May be inoperative provided alternate procedure established and used				
26-00	Wireless In-Flight Entertainment System (IFE) (EMBRAER 190-E2/ 195-E2)								
-A		С	-	0	(O) May be inoperative provided alternate procedure established and used				
					NOTE: Any portion of the system that oper- normally may be	ates			
-B		D	-	0	May be inoperative provi procedures do not requir use.				
					NOTE: Any portion of the system that opera normally may be	ates			
32-00	In-Flight Connectivity System (EMBRAER 190-E2/ 195-E2)	D	1	0	May be inoperative provi procedures do not requir use.				
32-08	In-Flight Entertainment Connectivity System Reset Switch (EMBRAER 170/175/190/195/ LINEAGE 1000)	D	1	0	(O) May be inoperative provided alternate procedure established and used				

MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190	١			Revision 18	Page 44-8			
			Repa	air c	ategory	44-0			
Syster					ber installed				
Seque No.					Number required for dispatch				
					4. Remarks and/or exceptions	S			
44 CA	BIN SYSTEMS								
51-00 ***	Cabin Surveillance System (CSS) (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)					 			
-A		Α	1	0	(O) May be inoperative provided:a) Alternate procedures established and usedb) Repairs are made with three flight days.	, and			
-B		С	1	0	(O) May be inoperative provided:a) A peephole is installed operates normally, andb) Alternate procedures established and used	d are			
-C		D	1	0	(M) May be inoperative provided:a) System is deactivatedb) Procedures do not redits use.				
-01	Video Cameras								
-A		С	3	0	(O) May be inoperative provided:a) A peephole is installed operates normally, andb) Alternate procedures established and used	d are			
-B		D	3	0	May be inoperative provious not required by local regulations.	ded it			
					NOTE: Any portion of the system that opera normally may be	ates			

MASTER MINIMUM EQUIPMENT LIST									
Airplan	ERJ 170/ERJ 190		Revision 18 P						
Syster	n &	1. I		ategory ber installed					
Seque			2. I		Number required for dispatch				
No					4. Remarks and/or exceptions	s			
45 CE	NTRAL MAINTENAN	CE	SY	STE	EM				
45-01	Central Maintenance Computer (CMC) (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000/ 190-E2 and 195-E2, Post-Mod. Load 9.0)	С	1	0	May be inoperative provious procedures do not require use.				
45-02	Wireless Data LAN Management Unit (DLMU-W) (EMBRAER 190-E2/ 195-E2)								
-A		С	1	0	(M) May be inoperative provided alternate procedure established and used				
-B		D	1	0	May be inoperative provious procedures do not require use.				
45-03 ***	Data-Loader Management Unit (DMU) (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)					1			
-A		С	1	0	(M) May be inoperative provided alternate proced are established and used				
-B		D	1	0	May be inoperative provious procedures do not require use.				

	MASTER MINIMUM EQUIPMENT LIST									
Airplane	ERJ 170/ERJ 190				Revision 18	Page 45-2				
Systen	n 9	1. I	Repair category							
Seque			2. 1		ber installed					
No.				3. Number required for dispatch						
					4. Remarks and/or exception	<u>s</u>				
45 CEI	NTRAL MAINTENAN	CE I	SY	STI	EM 					
45-04	Database (DB) Module (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)					I				
-A		С	1	0	(M) May be inoperative provided alternate procedure established and used					
-B		D	1	0	May be inoperative provi procedures do not requir use.					
45-05	Local Area Network (LAN) (EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000)	С	1	0	May be inoperative provi procedures do not requir use.					
					NOTE: Loading, installing restoring softward application or database will not available to the maintenance personnel.	e				
45-06 ***	Wireless Server Unit (WSU) (EMBRAER 190-E2/ 195-E2)									
-A		С	1	0	(M) May be inoperative provided alternate procedure established and used					
-B		D	1	0	May be inoperative provi procedures do not requir use.					
		l	l	l	I					

MASTER MINIMUM EQUIPMENT LIST									
Airplane	ERJ 170/ERJ 1	90			Revision 18	Page 45-3			
			Repa	air c	ategory	1 .00			
Syster					ber installed				
Seque No.				3. 1	Number required for dispatch				
					4. Remarks and/or exception	ıs			
45 CE	NTRAL MAINTENA	NCE	SY	STI	EM				
45-11 ***	ADG-400 (EMBRAER 170/175/190-E2/ 195-E2)								
-A		С	1	0	(M) May be inoperative provided alternate proce are established and use				
-B		D	1		are established and used May be inoperative prov procedures do not require use.	d. ided			

	MASTER MINIMUM EQUIPMENT LIST									
Airplan					Revision 18	Page				
	ERJ 170/ERJ 190				<u> </u>	46-1				
Syster	m &	1. I			ategory ber installed					
Seque			2. 1		Number required for dispatch					
No				• • •	4. Remarks and/or exception	s				
46 INF	ORMATION SYSTEM	1								
	Electronic Flight Bag Systems (EFBs)									
-A	, , ,	С	-	0	(O) May be inoperative of missing provided alternal procedures are establish and used where operating procedures are depended upon the use of the affect EFB.	te ied ig int				
					NOTE: Any EFB function which operates normally may be					
-В		D	-	0	May be inoperative provi procedures do not requir use.					
-01	Data Connectivity									
-A		С	-	-	(O) May be inoperative provided alternate proceare established and used					
-B		D	-	0	May be inoperative provi procedures do not requir use.					

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/	ERJ 190				Revision 18	Page 46-2			
Syster	n &		1. F			ategory				
Seque		ΞM		2. 1		ber installed				
No	i				3. r	Number required for dispatch 4. Remarks and/or exception	<u> </u>			
46 INF	ORMATION	SYSTEM				Tromano anazor exception	<u> </u>			
	Electronic FI Systems (EF (Continued)	ight Bag								
-02	Power Conn	ection								
-A			С	-	-	(O) May be inoperative provided alternate procedure established and used				
						NOTE: For EMBRAER 190-E2/195-E2, i USB panel conne is the current pov connection, refer item 46-21-02.	ection ver			
-B			D	-	0	May be inoperative provi procedures do not requir use.				
						(Continued)				

MASTER MINIMUM EQUIPMENT LIST								
Airplan	ERJ 170/ERJ	190			Revision 18	Page 46-3		
Syster	n &	1.			ategory			
Seque	nce ITEM		2.		ber installed Number required for dispatch			
No.				3.1	4. Remarks and/or exception	s		
46 INF	ORMATION SYS	TEM						
21-00	Electronic Flight Systems (EFBs) (Continued)	Bag						
-03	Mounting Device	•						
-A		С	-	0	 (M)(O) May be inoperative provided: a) Associated EFB and hardware is secured leadernate means or removed from the airce and b) Alternate procedures established and used 	by an craft, are		
-B		D	-	0	 (M) May be inoperative provided: a) Associated EFB and hardware is secured I alternate means or removed from the aircand b) Procedures do not reits use. 	craft,		

MASTER MINIMUM EQUIPMENT LIST									
	190			Revision 18	Page				
				air c	ategory				
		Ī							
				3. 1	lumber required for dispatch				
					4. Remarks and/or exceptions	S			
ORMATION SYST	EM	- 1							
	E2/								
	C		1	0					
					system that opera	ates			
)	-	0					
					system that opera	ates			
USB Port									
	C		-	0					
					system that opera	ates			
)	•	0					
					system that opera	ates			
	e ERJ 170/ERJ 6 m & nce ITEM FORMATION SYST USB Panel (EMBRAER 190-E 195-E2)	ERJ 170/ERJ 190 m & ITEM FORMATION SYSTEM USB Panel (EMBRAER 190-E2/195-E2)	ERJ 170/ERJ 190 m & nce ITEM FORMATION SYSTEM USB Panel (EMBRAER 190-E2/195-E2) C D	ERJ 170/ERJ 190 m &	C C C C C C C C C C	Revision 18 Revision 18 R			

MASTER MINIMUM EQUIPMENT LIST									
Airplane	Airplane ERJ 170/ERJ 190				Revision 18	Page 46-5			
	=			1. Repair category					
Systen			2. 1	Num	ber installed				
Sequei No.				3. 1	Number required for dispatch				
					4. Remarks and/or exception	s			
46 INF	ORMATION SYSTEM	1	1	1					
41-00	Prerecorded Passenger Announcement System (EMBRAER 170/175/190/195/ LINEAGE 1000)								
-A		С	1	0	(O) May be inoperative provided alternate procedure established and used				
-B		D	_	0	May be inoperative provi procedures do not requir use.				

	MASTER M	<u>ININ</u>	/UN	<u> 1 Е</u>	QUIPMENT LIST		
Airplan	e ERJ 170/ERJ 190)			Revision 18	Page 49-1	
Syster	n &	1. I			ategory		
Seque			2. I		ber installed		_
No.				3. 1	Number required for dispatch 4. Remarks and/or exception		_
40 AIE	DODNE ALIVII IADV	DO	\A/E	D	4. Remarks and/or exception	<u>></u>	_
49 AIR	BORNE AUXILIARY	PU	VVE	:K			_
00-00	Auxiliary Power Unit (APU)	С	1	0	(M)(O) Except for ER operations, may be inoperative provided:a) APU is deactivated, ab) Procedures are not dependent on its use.		
16-04	APU Air Inlet Door System (EMBRAER 190-E2/ 195-E2)						
-A		С	1	0	(M) Except for ER operating the inoperative provious and APU Air Inlet Door is deactivated closed, at b) APU is considered inoperative.	ded:	
-B		С	1	0	 (M)(O) May be inoperative and APU used provided: a) APU Air Inlet Door is deactivated in open position, and b) Appropriate performat penalties are applied. 	nce	
61-00	APU Master Knob						
-01	Knob Detents	С	2	0	(O) Except for ER operate knob detents may be inoperative provided the is used on-ground only.		
71-00	APU RPM Indication on EICAS	С	1	0	Except for ER operations may be inoperative or da provided APU is conside inoperative.	shed]
72-00	APU EGT Indication on EICAS	С	1	0	Except for ER operations may be inoperative or da provided APU is conside inoperative.	shed	

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190)			Revision 18	Page 50-1				
Syster					ategory					
Seque			2. 1		nber installed					
No.				3. 1	Number required for dispatch 4. Remarks and/or exception					
50 C A	RGO AND ACCESSO)DV	·	7M		<u> </u>	_			
30 CA	NGO AND ACCESSO	<u>/K I</u>		JIVII			_			
22-01	Cargo / Baggage Door Nets									
-A		С	2	0	May be inoperative or mi provided adjacent Cargo are installed and the associated section remainempty.	Nets				
-В		С	2	0	May be inoperative or mi provided associated card compartment remains en	go				
22-02	Cargo / Baggage Nets									
-01	EMBRAER 170/175/190/195/ 190 FREIGHTER/ 190-E2/195-E2	A	-	0	May be inoperative or mi provided: a) Acceptable cargo load limits from Airplane Operations Manual ar observed, and b) Repairs are made prid the completion of the Heavy Maintenance \	ding re or to next	l			
-02		D	-	0	May be inoperative or mi provided associated card baggage compartment remains empty.					

	MASTER M	IININ	<u> 1UN</u>	ΛE	QUIPMENT LIST	
Airplan	e ERJ 170/ERJ 19	0			Revision 18	Page 50-2
Syster	n &	1. I			ategory	
Seque			2. 1		ber installed	
No.				3. 1	lumber required for dispatch 4. Remarks and/or exception	
F0 O A	DOO AND ACCEOU			\ A 4 1		<u>></u>
50 CA	RGO AND ACCESS	URT	C		PARTIMENTS	
31-00	Cargo Compartment Linings	t				
-A		С	-	0	(O) May be damaged provided procedures are established and used to ensure the associated compartment is verified t contain only empty cargo handling equipment, ball (ballast may be loaded in ULDs), and/or Fly Away	o o ast
					NOTE: Operator MELs n define which item approved for incli in the Fly Away k and which materi can be used as ballast.	ns are usion (its,
-B		С	-	0	May be missing provided associated cargo compartment remains en	
32-06	Blow-Out Panels	С	-	0	(O) May be damaged or missing provided procedure established and used ensure the associated compartment remains en or is verified to contain of empty cargo handling equipment, ballast (ballat may be loaded in ULDs), and/or Fly Away Kits.	d to npty, nly st
					NOTE: Operator MELs n define which item approved for inclu- in the Fly Away K and which materi can be used as ballast.	ns are usion (its,

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 50-3				
Cuatan	0	1. I	Repa	air c	ategory					
Syster Seque				Num	ber installed					
No.				3. 1	Number required for dispatch					
	DOO AND ACCESSO	-			4. Remarks and/or exception	S				
50 CA	RGO AND ACCESSO	KY	CC	וואוכ	PARIMENIS					
33-00	Main Deck Cargo Compartment Linings (Sidewall Panels/ Dado Panels/ Ceiling Panels) (EMBRAER 190 FREIGHTER)					 				
-A		С	-	0	(O) May be damaged provided procedures are established and used to ensure the Main Deck Ca Compartment is verified contain only empty cargo handling equipment, balla (ballast may be loaded in ULDs), and/or Fly Away	argo to o ast				
					NOTE: Operator MELs n define which item approved for incluin the Fly Away k and which materican be used as ballast.	ns are usion (its,				
-B		С	-	0	May be missing provided Main Deck Cargo Compartment remains er	į				
33-16	Main Deck Cargo Door Net (EMBRAER 190 FREIGHTER)	С	1	0	(M) May be inoperative or missing provided alternal procedures are establish and used.	te į				

	MASTER MINIMUM EQUIPMENT LIST										
Airplan		170/ERJ 190	0			Revision 18	Page 52-1				
	ORS Passen	Doors		2.	3. I	ategory ber installed Number required for dispatch 4. Remarks and/or exception	s				
-01	EMBRA	ER 170/175	A	4	3	 (M)(O) One may be inoperative provided: a) Remaining main entry doors are fully operated. b) Associated door is not used for passenger loading, c) Emergency exit sign affloor proximity lights related to the associated door must be covered obscure the signs and lights, d) Passengers must be briefed not to use the associated door, e) Passenger number is limited to 19 maximur f) Blocked seating layou and evacuation proced must be developed at approved by local regulations for inclusi the operator's manua g) Repairs are made with one flight day. NOTE 1: Weight and Balance Manimust be revisinecessary to ensure proper loading limits 	ional, it and ited it to it and in in in in in in in ited iterates and in in iterate as it in iterates				
						observed. (Continued)					

		MASTER N	IININ	/UN	ΛE			
Airplan		170/ERJ 19	^			Revision	18	Page
		Ren	air c	ategory		52-2		
Syster	n &	ITEM	•••	2. 1	Num	ber installe	ed	
Seque No.		I I EIVI			3. 1	lumber req	uired for dispato	h
50 DO	000					4. Remark	s and/or exception	ons
52 DO	ORS		1	l I	ı			
00-00	Passeno Service (Continu	Doors						
-01	•	ER 170/175				NOTE 2:	Cabin attended may be statistic the vicinity of door within lareas.	ioned in ^ˈ of each

Airplan	е					QUIPMENT LIST Revision 18	Page
		170/ERJ 19	90				52-3
System	m P		1. F	Rep	air c	ategory	•
Syster Seque		ITEM		2. I		ber installed	
No		11 = 141			3. 1	Number required for dispatch	
						4. Remarks and/or exception	ns
52 DO	ORS		1	1	ı		
00-00	Passen Service (Contin	Doors					
-02	EMBRA	AER 5/190-E2/	A	4	3	 (M)(O) One may be inoperative for a maxim 5 flights provided: a) The number of pass carried and the posit the seats which they occupy is in accorda with the Maximum Passenger Capacity (MPC) table, b) Blocked seating layor and evacuation proof must be developed a included in the operamanual, c) Affected door/exit is and locked, d) The affected door/exit is and locked, d) The affected door/exit is and locked, e) Affected door/exit is marked with a placa prohibit utilization, a applicable, f) All the door/exit mar signs and lights assowith the affected door must be obscured, a applicable, g) Remaining main ent doors are fully opera and h) Passengers must be briefed not to use the associated door. 	engers tion of nance outs edures and ator's closed kit is ger y engers rd to s kings, ociated or/exit is ry ational,

		MASTER I	MININ	NUN	ИE	QUIPMEN	T LIST	
Airplan		170/ERJ 19	90			Revision '	18	Page 52-4
Syste Seque No	m & ence	ITEM			Num	ategory ber installed Number requ 4. Remarks	d lired for dispatch and/or exception	ıs
52 DC	ORS							
00-00	Passen Service (Contin	Doors						
-02	EMBRA 190/199 195-E2 (Contin	5/190-E2/				NOTE 1:	Weight and Balance Man must be revis necessary to ensure prope loading limits observed.	ed as r
						NOTE 2:	Cabin attendamay be station the vicinity of door within blareas.	ned in each
						(Continue	a)	

	MASTER M	ININ	1UN	ΛE	QUIPMENT LIST	
Airplan	ERJ 170/ERJ 19	0			Revision 18	Page 52-5
Syster	n &	1. I			ategory	
Seque			2. 1		ber installed	
No.				3. I	Number required for dispatch 4. Remarks and/or exceptions	
52 DO	ORS	<u> </u>	l .		4. Remarko anaror exception	<u> </u>
00-00	Passenger and Service Doors (Continued)					
-03	EMBRAER 190 FREIGHTER					
-A		A	4	1	 (M)(O) May be inoperative provided: a) Affected door/exit is conditional and locked, b) Affected door/exit is marked with a placard prohibit utilization, as applicable, c) All the door/exit marking signs and lights associated with the affected door must be obscured, as applicable, d) At least the FWD Passenger Door or the FWD Service Door is operational, and e) Repairs are made with flights. 	llosed lings, ciated /exit e fully
-B	Aft Passenger Door and/or Aft Service Door	D	2	0	(M) Aft Passenger Door and/or Aft Service Door r be inoperative provided affected door/exit is close and locked.	•
-C	FWD Passenger Door or FWD Service Door	С	2	1	(O) FWD Passenger Doo FWD Service Door may be inoperative provided supernumerary seat is no occupied.	oe

	MASTER MI	NIN	1UN	ΙE	QUIPMENT LIST	
Airplan	e ERJ 170/ERJ 190			Revision 18	Page 52-6	
		1. 1	Repa	air c	ategory	52-6
Syster Seque			2. 1	Num	ber installed	
Seque No.				3. 1	lumber required for dispatch	
					4. Remarks and/or exceptions	<u> </u>
52 DO	ORS	1	ı	1		
00-30	Passenger and Service Doors Emergency Opening Assisting (EOS) System					l
-01	EMBRAER 170/175/190/195/ 190-E2/195-E2	А	4	3	One may be inoperative of missing for a maximum of flights provided associated door is considered inoperative.	f 5
-02	EMBRAER 190 FREIGHTER					
-A	Aft Passenger Door and/or Aft Service Door	D	2	0	May be inoperative in the Passenger Door and/or A Service Door.	
-B	FWD Passenger Door or FWD Service Door	А	2	1	May be inoperative provide a) Associated door is considered inoperative and b) Repair are made within flights.	e,
-C		С	2	0	May be inoperative in the FWD Passenger Door an FWD Service Door provice supernumerary seat is no occupied.	d/or led
00-31	Aft Baggage Door Emergency Opening System (LINEAGE 1000)	С	1	0		

System & Sequence No. System & Sequence No. 1. Repair category 2. Number installed 3. Number installed 4. Remarks and/or exceptions 52 DOORS 21-00 Overwing Emergency Exit Doors -A EMBRAER 190/195/190-E2 A 2 1 (M)(O) One may be inoperative for a maximum of 5 flights provided: a) The number of passengers carried and the position of the seats which they occupy is in accordance with the Maximum Passenger Capacity (MPC) table, b) Blocked seating layouts and evacuation procedures must be developed and included in the operator's manual, c) Affected exit is closed, locked and placarded inoperative, d) Emergency exit sign and photoluminescent escape route markings related to the associated overwing exit must be covered to obscure the signs and lights, e) Passengers must be briefed not to use affected overwing exit, and f) All passenger and service doors are fully operational. (Continued)	MASTER MINIMUM EQUIPMENT LIST Airplane Revision 18 Page 1										
Sequence No. 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 21-00 Overwing Emergency Exit Doors -A EMBRAER 190/195/190-E2 A 2 1 (M)(O) One may be inoperative for a maximum of 5 flights provided: a) The number of passengers carried and the position of the seats which they occupy is in accordance with the Maximum Passenger Capacity (MPC) table, b) Blocked seating layouts and evacuation procedures must be developed and included in the operator's manual, c) Affected exit is closed, locked and placarded inoperative, d) Emergency exit sign and photoluminescent escape route markings related to the associated overwing exit must be covered to obscure the signs and lights, e) Passenger and service doors are fully operational.	Airplane ERJ 170/ERJ 19	0			Revision 18	Page 52-7					
Sequence No. TEM 2. Number required for dispatch			Rep	air c	ategory	I					
S2 DOORS 21-00 Overwing Emergency Exit Doors -A EMBRAER 190/195/190-E2 A 2 1 (M)(O) One may be inoperative for a maximum of 5 flights provided: a) The number of passengers carried and the position of the seats which they occupy is in accordance with the Maximum Passenger Capacity (MPC) table, b) Blocked seating layouts and evacuation procedures must be developed and included in the operator's manual, c) Affected exit is closed, locked and placarded inoperative, d) Emergency exit sign and photoluminescent escape route markings related to the associated overwing exit must be covered to obscure the signs and lights, e) Passenger smust be briefed not to use affected overwing exit, and f) All passenger and service doors are fully operational.			2. I								
21-00 Overwing Emergency Exit Doors -A EMBRAER 190/195/190-E2 A 2 1 (M)(O) One may be inoperative for a maximum of 5 flights provided: a) The number of passengers carried and the position of the seats which they occupy is in accordance with the Maximum Passenger Capacity (MPC) table, b) Blocked seating layouts and evacuation procedures must be developed and included in the operator's manual, c) Affected exit is closed, locked and placarded inoperative, d) Emergency exit sign and photoluminescent escape route markings related to the associated overwing exit must be covered to obscure the signs and lights, e) Passengers must be briefed not to use affected overwing exit, and f) All passenger and service doors are fully operational.				3. 1							
21-00 Overwing Emergency Exit Doors -A EMBRAER 190/195/190-E2 A 2 1 (M)(O) One may be inoperative for a maximum of 5 flights provided: a) The number of passengers carried and the position of the seats which they occupy is in accordance with the Maximum Passenger Capacity (MPC) table, b) Blocked seating layouts and evacuation procedures must be developed and included in the operator's manual, c) Affected exit is closed, locked and placarded inoperative, d) Emergency exit sign and photoluminescent escape route markings related to the associated overwing exit must be covered to obscure the signs and lights, e) Passengers must be briefed not to use affected overwing exit, and f) All passenger and service doors are fully operational.					4. Remarks and/or exception	<u>s</u>					
Emergency Exit Doors -A EMBRAER 190/195/190-E2 A 2 1 (M)(O) One may be inoperative for a maximum of 5 flights provided: a) The number of passengers carried and the position of the seats which they occupy is in accordance with the Maximum Passenger Capacity (MPC) table, b) Blocked seating layouts and evacuation procedures must be developed and included in the operator's manual, c) Affected exit is closed, locked and placarded inoperative, d) Emergency exit sign and photoluminescent escape route markings related to the associated overwing exit must be covered to obscure the signs and lights, e) Passengers must be briefed not to use affected overwing exit, and f) All passenger and service doors are fully operational.	52 DOORS			ı							
inoperative for a maximum of 5 flights provided: a) The number of passengers carried and the position of the seats which they occupy is in accordance with the Maximum Passenger Capacity (MPC) table, b) Blocked seating layouts and evacuation procedures must be developed and included in the operator's manual, c) Affected exit is closed, locked and placarded inoperative, d) Emergency exit sign and photoluminescent escape route markings related to the associated overwing exit must be covered to obscure the signs and lights, e) Passengers must be briefed not to use affected overwing exit, and f) All passenger and service doors are fully operational.	Emergency Exit										
		A	2	1	inoperative for a maximum 5 flights provided: a) The number of passe carried and the positive the seats which they occupy is in accordant with the Maximum Passenger Capacity (MPC) table, b) Blocked seating layou and evacuation process must be developed at included in the operation manual, c) Affected exit is closed locked and placarded inoperative, d) Emergency exit sign a photoluminescent escroute markings relate the associated overwexit must be covered obscure the signs and lights, e) Passengers must be briefed not to use affective overwing exit, and f) All passenger and se doors are fully operations.	ngers on of ace uts edures ad tor's d, and cape d to ing to d					

		MASTER M	ININ	1UN	ИE	QUIPMENT LIST	
Airplan		170/ERJ 190)			Revision 18	Page 52-8
Syster	n &		1. I			ategory	,
Seque		ITEM		2. I		ber installed	
No.					3. 1	Number required for dispatch	
F2 D0	ODC			<u> </u>		4. Remarks and/or exception	<u>></u>
52 DO	UKS		1	l	1		
21-00 -B	Doors (Continu	ncy Exit	A	4	2	(M)(O) One or both from side may be inoperative maximum of 5 flights provided:	
						a) The number of passe carried and the position the seats which they occupy is in accordar with the Maximum Passenger Capacity (MPC) table, b) Blocked seating layou and evacuation process must be developed an included in the operation manual,	on of ace uts edures and
						c) Affected exit(s) is(are closed, locked and placarded inoperative d) Emergency exit sign a photoluminescent escroute markings relate the associated overw exit(s) must be covere obscure the signs and lights,	e, and cape d to ing ed to
						e) Passengers must be briefed not to use affe overwing exit(s), and f) All passenger and se doors are fully operat	rvice

Airplane ERJ 170/ERJ 190 System & Sequence No. ITEM Sequence No. 1. Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 52 DOORS 21-70 Overwing Emergency Exit Door Flight Lock (EMBRAER 190-E2/195-E2) -A C - 0 (M)(O) May be inoperative unlocked provided: a) All flight locks are deactivated at unlocked position, b) All Overwing Emergency Exit Doors are verified to be capable of being unlatched and opened, and c) A person employed by the operator is designated to be seated in passenger seat nearest the affected Overwing Emergency Exit Door when cabin differential pressure is less than 2.0 psi. (Continued)			IAS I EK IVII	IAIIA	ווטו		QUIPMENT LIST	
Sequence No. TEM 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 4. Remarks and/or exceptions 52 DOORS	Airplane		70/ERJ 190)			Revision 18	_
Sequence No. TEM 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 4. Remarks and/or exceptions 52 DOORS	• •	_		1. I	Repa	air c	ategory	
Sequence No. 3. Number required for dispatch 4. Remarks and/or exceptions 52 DOORS 21-70 Overwing Emergency Exit Door Flight Lock (EMBRAER 190-E2/195-E2) -A C - 0 (M)(O) May be inoperative unlocked provided: a) All flight locks are deactivated at unlocked position, b) All Overwing Emergency Exit Doors are verified to be capable of being unlatched and opened, and c) A person employed by the operator is designated to be seated in passenger seat nearest the affected Overwing Emergency Exit Door when cabin differential pressure is less than 2.0 psi.								
52 DOORS 21-70 Overwing Emergency Exit Door Flight Lock (EMBRAER 190-E2/195-E2) -A C - 0 (M)(O) May be inoperative unlocked provided: a) All flight locks are deactivated at unlocked position, b) All Overwing Emergency Exit Doors are verified to be capable of being unlatched and opened, and c) A person employed by the operator is designated to be seated in passenger seat nearest the affected Overwing Emergency Exit Door when cabin differential pressure is less than 2.0 psi.		ice	IIEM					
21-70 Overwing Emergency Exit Door Flight Lock (EMBRAER 190-E2/ 195-E2) -A C - 0 (M)(O) May be inoperative unlocked provided: a) All flight locks are deactivated at unlocked position, b) All Overwing Emergency Exit Doors are verified to be capable of being unlatched and opened, and c) A person employed by the operator is designated to be seated in passenger seat nearest the affected Overwing Emergency Exit Door when cabin differential pressure is less than 2.0 psi.	NO.							s
Emergency Exit Door Flight Lock (EMBRAER 190-E2/ 195-E2) C - 0 (M)(O) May be inoperative unlocked provided: a) All flight locks are deactivated at unlocked position, b) All Overwing Emergency Exit Doors are verified to be capable of being unlatched and opened, and c) A person employed by the operator is designated to be seated in passenger seat nearest the affected Overwing Emergency Exit Door when cabin differential pressure is less than 2.0 psi.	52 DO	ORS					•	
	21-70	Overwing Emergend Door Fligl (EMBRAE	cy Exit ht Lock	C		0	unlocked provided: a) All flight locks are deactivated at unlock position, b) All Overwing Emerge Exit Doors are verified be capable of being unlatched and opened and c) A person employed be operator is designated be seated in passeng seat nearest the affect Overwing Emergency Door when cabin differential pressure is than 2.0 psi.	ed ncy d to d, y the d to er sted

	MASTER MI	NIN	<u> 1UN</u>	<u> 1 E</u>	QUIPMENT LIST	
Airplane	ED 470/ED 400				Revision 18	Page
	ERJ 170/ERJ 190	4 1	200	-i	and a mark	52-10
System		' - '			ategory iber installed	
Sequenc No.	ce ITEM				Number required for dispatch	
NO.					4. Remarks and/or exception	s
52 DOO	RS					
E [(l 1	Overwing Emergency Exit Door Flight Lock EMBRAER 190-E2/ 195-E2) Continued)					
-B		С	-	0	 (M)(O) May be inoperative unlocked provided: a) The affected flight lock deactivated at unlock position, b) All Overwing Emerge Exit Doors are verified be capable of being unlatched and opened before each flight, and c) A person employed be operator is designated be seated in passeng seat nearest the affect Overwing Emergency Door when cabin differential pressure is than 2.0 psi. 	ck is ed ncy d to d d to eer cted
-C		A	-	-	May be inoperative locked provided associated Over Emergency Exit Door(s) (are) considered inoperative locked inoperative locked provided associated Over Emergency Exit Door(s) (are) considered inoperative locked inoperative locked provided associated Over Emergency Exit Door(s)	erwing is

MASTER MINIMUM EQUIPMENT LIST										
Airplane	1 470/ED 1 400	1			Revision 18	Page				
ER	J 170/ERJ 190		Don	air c	ategory	52-11				
System &		1	2 I	Num	ber installed					
Sequence	ITEM				Number required for dispatch					
No.					4. Remarks and/or exceptions	s				
52 DOORS					•					
	Compartment	С	2	0	(M)(O) May be inoperative provided: a) Associated cargo compartment is empty verified to contain only empty cargo handling equipment, ballast (barnay be loaded in ULE and/or Fly Away Kits, b) Affected cargo door is verified closed, latcher and locked before ear flight. NOTE: Operator MELs in define which item approved for inclusin the Fly Away Kits and which materican be used as ballast.	y or is y allast Os), and s ed, ch nust ns are usion kits,				

		NIN	1UN	ΛE	QUIPMENT LIST	
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 52-12
			Repa	air c	ategory	02 12
Syster Seque				Num	ber installed	
No.				3. 1	Number required for dispatch	
					4. Remarks and/or exception	s
52 DO	ORS	1	1	1	T	
30-20	Forward and Aft Cargo Compartment Door Gas Spring Actuators					
-A		С	4	2	One Gas Spring Actuato door may be inoperative missing provided opposit Actuator Bellcrank and DRod operates normally.	or te
-B		В	4	0	 (M) May be inoperative of missing provided: a) Door is verified capable being held open, and b) Alternate procedures established and used operate the affected of Compartment Door. 	ole of are to
-C		С	4	0	May be inoperative provi affected cargo compartm door is not used.	
30-22	Forward and Aft Cargo Compartment Door Actuator Bellcranks	С	4	2	One Actuator Bellcrank p door may be damaged o missing provided opposit Gas Spring Actuator and Drive Rod operates norm	r te I
30-24	Forward and Aft Cargo Compartment Door Drive Rods	С	4	2	One Drive Rod per door be damaged or missing.	may

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 52-13					
			Repa	air c	ategory	32-13					
Syster Seque			2. Number installed								
No.			3. Number required for dispatch								
50.00	000				4. Remarks and/or exceptions	S					
52 DO	URS	1	ı	ı	<u> </u>						
31-28	Forward or Aft Cargo Door Closing Rods	D	-	0	(M) May be inoperative o missing provided alternat procedures are establish and used.	te					
34-00	Main Deck Cargo Door (MDCD) (EMBRAER 190 FREIGHTER)					 					
-01	Latch/Lock Mechanism										
-A	Electric Mode	С	1	0	(M) May be inoperative provided Manual Mode is used to latch/lock the MD						
-B	Manual Mode		1	0	May be inoperative provide Electric Mode operates normally.	ded 					
-02	Lift/Lower Mechanism										
-A	Electric Mode	С	1	0	(M) May be inoperative provided Manual Mode is used to lift/lower the MD0						
-B	Manual Mode	С	1	0	May be inoperative provide Electric Mode operates normally.	ded 					
-C	Electric and Manual Modes	С	1	0	 (M) May be inoperative provided: a) MDCD is verified clos latched, and locked be each flight, and b) Quick Disconnect Fear is used to lift/lower the MDCD. 	efore ature					

		MASTER MI	NIN	1UN	ΛE	QUIPMENT LIST	_
Airplan		170/ERJ 190	`			Revision 18	Page 52-14
		170/EKJ 190		Ren	air c	ategory	52-14
Syster		ITEM				ber installed	
Seque No.		ITEM			3. 1	Number required for dispatch	
						4. Remarks and/or exception	S
52 DO	ORS		1	1	1		
51-00 ***	Locking (EMBR/ 170/175 190-E2/	System	С	1	0	(O) May be inoperative provided:a) Alternate procedures established and usedb) Cockpit Door Locking System is not required local regulations.	, and
-01	Electror Latch	mechanical	В	1	0	 (M)(O) May be inoperative provided: a) Electromechanical Ladeactivated, and b) Alternate procedures established and used locking and unlocking flight deck door. NOTE: Any function on the provided in the	are for the
						Electromechanics Latch which oper normally may be	al ates
-02	Mechar	nical Handle	С	1	0	May be inoperative provi Electromechanical Latch operates normally.	
						(Continued)	

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190)			Revision 18	Page 52-15					
<u> </u>			Repa	air c	ategory	0 <u>2</u> -10					
Syster Seque			2. Number installed								
No.				3. 1	Number required for dispatch						
52 DO	ODC				4. Remarks and/or exceptions	<u> </u>					
52 DO	UKS		l	1							
51-00 ***	Cockpit Door Locking System (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000) (Continued)										
-03	Cockpit Door Control Panel										
-A	LOCK Pushbutton	В	1	0	May be inoperative provide Electromechanical Latch considered inoperative.						
-B	LOCK Pushbutton Light	В	1	0	(O) May be inoperative provided the LOCK pushbutton is verified to operate normally.						
-C	INHIB Pushbutton	В	1	0	May be inoperative provi Electromechanical Latch considered inoperative.						
-D	INHIB Pushbutton Light	В	1	0	(O) May be inoperative provided the INHIB pushbutton is verified to operate normally.						
-E	UNLOCKED Annunciator ON Light	С	1	0	 (O) May be inoperative provided: a) Door Chime operates normally, and b) The LOCK and INHIB pushbuttons are verifi operate normally. (Continued) 						

	MASTER M	IININ	/UN	ΙE	QUIPMENT LIST	
Airplan		^			Revision 18	Page
	ERJ 170/ERJ 19		Ren	air c	category	52-16
Syster					nber installed	
Seque No.				3. I	Number required for dispatch	
					4. Remarks and/or exception	S
52 DO	ORS				<u> </u>	
51-00	Cockpit Door Locking System (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000) (Continued)					
-04	Flight Attendant Cockpit Door Control Panel					
-A	Emergency Entry Pushbutton	В	1	0	 (M)(O) May be inoperative provided: a) Electromechanical Ladeactivated, b) The cockpit door is secured closed for taleand landing, and c) Alternate procedures established and used secure and to access cockpit during the flighaccordance with the Operator's security points. 	etch is Reoff are to the ht in
-B	Emergency Entry Pushbutton Light				Deleted, Revision 16	
-C	Door Opening Sequence Requested White Light	В	1	0	(O) May be inoperative provided alternate procedure established and used	
-D	Door Opening Sequence Inhibited Red Light	В	1	0	(O) May be inoperative provided alternate procedure established and used	
-E	Door Unlocked Green Light	В	1	0	(O) May be inoperative provided alternate procedure established and used	
					(Continued)	

	MASTER MINIMUM EQUIPMENT LIST											
Airplane	e ERJ 170/ERJ 190				Revision 18	Page						
		Rep	air c	ategory	52-17							
System					ber installed							
Seque No.				3. I	Number required for dispatch							
					4. Remarks and/or exception	S						
52 DO	ORS				1							
51-00 ***	Cockpit Door Locking System (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000) (Continued)											
-05	Door Chime	В	1	0	(O) May be inoperative provided alternate procedure established and used							
-06	Maintenance Lock	D	1	0								
51-01 ***	Cockpit Door Peephole (EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000)											
-A		A	1	0	(O) May be inoperative provided:a) Alternate procedures established and usedb) Repairs are made wit three flight days.	, and						
-B		С	1	0	(O) May be inoperative provided: a) Cabin Surveillance Sy (CSS) is installed and operates normally, and b) Alternate procedures established and used	l ld are						
60-00	Airstair (EMBRAER 170/175/190/195/ LINEAGE 1000)	D	1	0	May be inoperative provi is correctly stowed and lo for flight.							
					NOTE: Any mode that operates normall may be used.	y						

		MASTER N	MININ	1UN	ΛE	QUIPMENT LIST		
Airplan		J 170/ERJ 19	20			Revision 18	Page 52-18	
		7 17 0/ERO 13		Rep	air c	ategory	32-10	
Syster		ITEM				ber installed		_
Seque No.		I I EIVI			3. 1	Number required for dispatch		
						4. Remarks and/or exceptions	S	
2 DO	ORS		1	ı	ı			
	Indication and asset EICAS	Position ion on MFD sociated Messages nger and Doors ors	С	-	0	(M)(O) May be inoperative provided affected door is verified closed, latched a locked before each flight.	nd	1
-01	Indicate (EMBR 170/17		C	4	3	 (M)(O) May be inoperative provided: a) Affected door is verified closed, latched and lobefore each flight, b) Latch mechanism is verified to operate normally, c) Door latch visual indice mechanism is verified inoperative, and d) Both door lock visual indicators on the affect door operate normally NOTE: The DOOR PAX (SERV) FWD (AFOPEN Warning EICAS message be displayed. (Continued) 	ed ocked cators cted /.	

	MASTER M	ININ	1UN	ΙE	QUIPMENT LIST	
Airplan	e ERJ 170/ERJ 190	1				Page 52-19
			Repa	air c	eategory	12-19
Syster Seque			2. 1	Num	ber installed	
Seque No.				3. 1	Number required for dispatch	
50 DO	000				4. Remarks and/or exceptions	
52 DO	URS	1	1	1		
70-01	Passenger and Service Doors Indicators					ı
	(Continued)					ı
-02	Door Locked Visual Indicators (EMBRAER 170/175/190/195/ 190 FREIGHTER)	С	8	4	 (M)(O) One on each door representation be inoperative provided: a) Affected door is verified closed, latched and lock before each flight, b) Door latch visual indicate operates normally, and c) Latch mechanism is verified to operate normally. 	l ked
					NOTE: The DOOR PAX (SERV) FWD (AFT OPEN Warning EICAS message m be displayed.	•
-03	Escape Slide ARMED/ DISARMED Indicators (EMBRAER 170/175/190/195)	С	4	3	 (M)(O) May be inoperative provided: a) Indicator is covered to obscure the ARMED/DISARMED signs b) Girt bar indication is verified to operate normally, and c) Alternate procedures are established and used to indicate to crew Escape Slide status. 	gn, - -
-04	Girt Bar Escape Slide Indicators (EMBRAER 170/175/190/195)	С	4	3	 (M)(O) May be inoperative provided: a) ARMED/DISARMED indication is verified to operate normally, and b) Girt bar is verified to operate normally. 	

	MASTER MINIMUM EQUIPMENT LIST										
Airplan						Revision 18	Page				
	EKJ	170/ERJ 19		Do=	nir -		52-20				
Syster	n &		1.1	Repa	air c	ategory ber installed					
Seque	nce	ITEM		2. 1	3 1	Number required for dispatch					
No.					J. 1	4. Remarks and/or exception	s				
52 DO	ORS		-	l		Tromano anazor exception					
	Internal	Door	С	1	0	(M) May be ineperative					
70-02				'	U	(M) May be inoperative					
		System				provided the internal doo	IS				
	(LINEAG	GE 1000)				are secured open.					

		MASTER MI	NIN	IUN	ΛE	QUIPMENT LIST	
Airplan		170/ERJ 190				Revision 18	Page 71-1
				Repa	air c	ategory	
Syster	n &			2. 1	Num	ber installed	
Seque	nce	ITEM				Number required for dispatch	
No.	i					4. Remarks and/or exceptions	S
71 PO	WERPLA	NT					-
11-02	Fan Cov	vl Latches					
-01	Position	Sensors SER 190-E2/	С	6	0	(M) May be inoperative provided Fan Cowl Latch are verified closed before each flight.	

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 73-1					
_			Repa	air c	ategory	73-1					
Syster Seque				Num	ber installed						
No.				3. 1	Number required for dispatch						
72 EN	GINE FUEL AND COM	ITE			4. Remarks and/or exception	<u>s</u>					
73 LIN		<u> </u>	l l	<u>-</u> 							
21-01	Engine Full Authority Digital Electronic Control (FADEC) System										
-01	System Faults										
-A	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	A	-	-	May be dispatched with ENG 1 (2) SHORT DISPATCH Advisory EIC Message faults provided repairs are made in accordance with times established by the engine manufacturer in the airworthiness section of tengine Manual GEK 112 (EMBRAER 170/175) or 112081 (EMBRAER 190 No Extensions are authoriginal engine manufacturer).	e the 2031 GEK /195).					
-B	EMBRAER 190-E2/ 195-E2	A		-	Except for ER operations may be dispatched with ENG 1 (2) SHORT DISPATCH Advisory EIC Message faults provided repairs are made in accordance with times established by engine manufacturer in the airworthiness section of tengine Manual. No extensions are authorize (Continued)	i CAS					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190				Revision 18	Page 73-2					
Syster			Repa	air c	ategory						
Seque			2. 1		ber installed						
No			Number required for dispatch Remarks and/or exceptions								
73 EN	GINE FUEL AND CO	UTE	201		4. Remarks and/or exceptions	<u> </u>					
73 LIV	GINE I GEL AND COL	<u> </u>	\OL	<u>-</u> 							
21-01	Engine Full Authority Digital Electronic Control (FADEC) System (Continued)										
-01	System Faults (Continued)										
-C	EMBRAER 190-E2/ 195-E2	С	2	1	Except for ER operations may be dispatched with ENG 1 FADEC FAULT Advisory EICAS messag displayed provided ENG FADEC FAULT Advisory EICAS message is not displayed on the EICAS.	 e 2					
-D	EMBRAER 190-E2/ 195-E2	С	2	1	Except for ER operations may be dispatched with ENG 2 FADEC FAULT Advisory EICAS messag displayed provided ENG FADEC FAULT Advisory EICAS message is not displayed on the EICAS.	 e 1					
21-17	T2 Sensor Heater (EMBRAER 170/175)	В	2	1	Except for ER operations may be inoperative provi a) One Ice Detection Syis operative, and b) Airplane is not operation known or forecast icin conditions.	ded: stem ed in					
21-21	P2T2 Heater (EMBRAER 190-E2/ 195-E2)	С	2	1	Except for ER operations may be inoperative provi aircraft is not operated in known or forecast icing conditions.	ded					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan					Revision 18	Page					
	ERJ 170/ERJ 190		Ren	air c	category	73-3					
System					nber installed						
Seque				3. I	Number required for dispatch						
					4. Remarks and/or exception	S					
73 EN	GINE FUEL AND COI	NTF	ROL		<u> </u>						
31-01	Fuel Low-Pressure Switch	С	2	0	(O) May be inoperative provided associated Fue Pump remains selected during the entire flight ex when crossfeed operationare required.	ON cept					
34-21	Engine Fuel Filter Differential Pressure Sensor										
-A	EMBRAER 170/175	С	2	1	(M) One may be inopera provided visual inspectio performed before each fl to ensure that there is no bypass.	n is ight					
-B	EMBRAER 190/195/ 190 FREIGHTER/ LINEAGE 1000	С	2	1	(M) One may be inopera provided associated fuel is changed before the first flight of each flight day.	filter					
-C	EMBRAER 190-E2/ 195-E2	A	2	1	(M) One may be inoperal provided:a) Associated fuel filter in changed within 10.5 Feandb) Repairs are made with 10 flight days.	s FH,					
34-22	Engine Fuel Filter in Impending Bypass Condition (EMBRAER 190-E2/ 195-E2)	Α	2	1	One engine may be dispatched with ENG 1 (FUEL IMP BYPASS Cau EICAS message provide a) Associated filter was changed within the sa day due to a previous impending bypass indication, and b) Repairs are made wit 10.5 FH.	ution d: not ame s fuel					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	ERJ 170/ERJ 190	Revision 18 Pa									
Curatan			Repa	air c	ategory						
Syster Seque			2. 1								
No.				3. 1	Number required for dispatch						
75 EN	OINE AID				4. Remarks and/or exceptions	5					
/5 EN	GINE AIR	1	ı .	1							
24-01	Engine Turbine Active-Clearance- Control (ACC) Air Valve (EMBRAER 190-E2/ 195-E2)										
-01	System Faults	С	2	0	(O) May be dispatched w ENG 1 (2) FUEL FLOW I Advisory EICAS Messag provided appropriate fuel consumption penalties an applied.	INCR e I					
26-02	Engine Buffer Air System (EMBRAER 190-E2/ 195-E2)										
-01	System Faults	A	2	1	 (M) Except for ER operatione may be dispatched for the fone flight with ENG 1 (2) BACV VLV FAIL Caution EICAS Message provides a) Associated Engine Blance System is considered inoperative for the intended flight, b) Aircraft is not operate known or forecast icin conditions, and c) Oil quantity is serviced before the flight. 	d: eed d in					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190	1			Revision 18 Pa	_					
System					ategory	<u> </u>					
Syster Seque			2. I		ber installed						
No				3. I	Number required for dispatch 4. Remarks and/or exceptions						
77 EN	GINE INDICATING	<u> </u>									
31-00	Engine Vibration Indication on EICAS										
-01	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000					I					
-A	HP Vibration Indication on EICAS	С	2	1							
-02	EMBRAER 190-E2/ 195-E2										
-A	Fan Vibration Indication	В	2	1	Except for ER operations, may be inoperative provided a) There are no reports of vibration above the field advisory limits on last flig or engine start-up, b) All vibration indications from opposite engine are operative, and c) Aircraft is not operated in known or forecast icing conditions.	ht					
-B	HP Vibration Indication	С	2	1	May be inoperative provided a) There are no reports of vibration above the field advisory limits on last flig or engine start-up, and b) All vibration indications from opposite engine are operative.	ht					
-C	LP Vibration Indications	С	2	1	May be inoperative provided a) There are no reports of vibration above the field advisory limits on last flig or engine start-up, and b) All vibration indications from opposite engine are operative.	ht					

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Airplane		70/ED 1 400				Revision 18	Page				
	ERJ 1	70/ERJ 190		2ans	air c	ategory	78-1				
System						iber installed					
Sequei No.		ITEM				Number required for dispatch					
140.						4. Remarks and/or exception	s				
78 EXI	HAUST		1	1	1						
30-00	Thrust Re System	verser	С	2	0	 (M)(O) May be inoperative provided: a) Affected thrust reverse locked in the forward position, and b) Appropriate performation penalties are applied. 	er is thrust nce				
-01	System Fa	aults									
-A			С	2	0	(M)(O) May be dispatched with the ENG 1 (2) REV DEPLOYED Warning Elst Message provided: a) Affected thrust revers locked in the forward position, and b) Appropriate performat penalties are applied.	CAS er is thrust				
-B			С	2	0	 (M)(O) May be dispatched with the ENG 1 (2) REV PROT FAULT Caution E Message provided: a) Affected thrust revers locked in the forward position, and b) Appropriate performad penalties are applied. 	ICAS er is thrust				
-C			С	2	0	(M)(O) May be dispatched with the ENG 1 (2) REV Caution EICAS Message provided: a) Affected thrust revers locked in the forward position, and b) Appropriate performat penalties are applied. (Continued)	FAIL e er is thrust nce				

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	e ERJ 170/ERJ 1	90			Revision 18	Page 78-2					
			Repa	air c	ategory	702					
System Sequer				Num	ber installed						
No.	ice II Livi			3. 1	Number required for dispatch						
					4. Remarks and/or exceptions	3					
78 EXH	HAUST	ı		1	1						
	Thrust Reverser System (Continued)										
	System Faults (Continued)										
-D		С	2	0	 (M)(O) May be dispatche with the ENG 1 (2) REV FAIL Caution EICAS Mesprovided: a) Affected thrust reverse locked in the forward position, and b) Appropriate performangenalties are applied. 	TLA ssage er is thrust					
-E		C	2		(M)(O) May be dispatche with the ENG 1(2) REV INHIBIT Status EICAS Message provided: a) Affected thrust reverse locked in the forward is position, and b) Appropriate performal penalties are applied.	er is thrust					

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	e ERJ 170/ERJ 190				Revision 18	Page 79-1					
_			Repa	ategory	79-1						
Syster Seque				Num							
No.				3. Number required for dispatch							
79 OIL					4. Remarks and/or exception	5					
		1	1								
21-00	Oil Supply System										
-01	System Faults (EMBRAER 190-E2/ 195-E2)	С	2	1	 (M) Except for ER opera one may be dispatched one may be dispatched on ENG 1 (2) OIL SEAL FA Caution EICAS Message provided: a) Associated Engine BI System is considered inoperative, and b) Oil quantity is service before first flight of eaflight day. 	with ULT e eed					
31-03	Oil Tank Oil Level Indicator	С	2	0	(M) May be inoperative provided alternate proce are established and used verify oil level when serv is performed.	d to					
31-21	Engine Oil Quantity Sensor	С	2	1	 (M)(O) Except for ER operations, one may be inoperative provided: a) Oil quantity is service before each flight, and b) Oil Pressure Indication available and is monithroughout the flight. 	d n is					

	Revision 18	vision 18				ERJ 170/ERJ 190	Airplane
	egory er installed mber required for dispatch	installed per required for dispatcl	luml 3. N		1. F	nce ITEM	System Sequend No.
xceptions	. Remarks and/or exception	emarks and/or exception			<u> </u>		79 OIL
						Low Oil Pressure Switch	33-01 L
Indication is monit e flight, a L LO PR AS Mess engine	O) One may be inoperal provided: a) Oil Pressure Indication available and is moning throughout the flight, b) ENG 1 (2) OIL LO PF Warning EICAS Messon opposite engine operates normally.	vided: Oil Pressure Indicati available and is mor throughout the flight ENG 1 (2) OIL LO P Warning EICAS Mes on opposite engine		2	С	EMBRAER 170/175/190/195/ LINEAGE 1000, Pre-Mod. Load 21.2	Ĺ
	May be inoperative proviil pressure indication is vailable.	pressure indication is		2	С	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000 Load 25.3 and on, except Load 25.4	! !

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	ERJ 170/ERJ 190)			Revision 18	Page 79-3				
Syster Seque No.	nce ITEM	1. 1	Repa 2. I	Num	ategory ber installed lumber required for dispatch 4. Remarks and/or exception					
79 OIL					4. Remarks and/or exceptions	5				
	Engine Oil Filter Differential Pressure Sensor									
-A	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000	С	2	1	 (M) One may be inoperated provided: a) Associated ENG 1 (2) CHIP DETECTED Maintenance Messag confirmed not present MFD Engine Maintenance Page before each flight and b) Oil filter is inspected for presence of contaminate before the first flight of each flight day. 	e is t on ance ht, or ants				
-B	EMBRAER 190-E2/ 195-E2	С	2	1	 (M) May be inoperative provided: a) Associated ENG 1 (2) CHIP DETECTED Advisory EICAS Messis not displayed beforeach flight, b) Oil Debris Monitoring (ODM) is verified operative, c) Oil filter is changed wone flight day and the before the first flight in every three flight days d) Associated engine is under monitoring for odetection events. 	sage e ithin n n s, and not				

MASTER MINIMUM EQUIPMENT LIST										
Airplane	ERJ 170/ERJ 190		Revision 18 Pa							
Custon			Rep	epair category						
Syster Seque			2. I		lumber installed					
No.				3. I	Number required for dispatch					
					4. Remarks and/or exceptions	<u>s</u>				
79 OIL	•	1	1	1	l					
33-24	Engine Oil Filter in Impending Bypass Condition									
-A	EMBRAER 190-E2/ 195-E2, Pre-Mod. ENGINE FADEC 9.6	A	2	1	 (M) One engine may be dispatched with ENG 1 (2) OIL IMP BYPASS Advisor EICAS message provide a) Oil filter is verified not bypass once each flig day, b) Oil Debris Monitoring (ODM) is verified operative, and c) Repairs are made wit 28 FH. 	ory d: : in :ht				
-B	EMBRAER 190-E2/ 195-E2, Post-Mod. ENGINE FADEC 9.6	A	2	1	(M) One engine may be dispatched with ENG 1 (2 OIL IMP BYPASS Advisor EICAS message provide a) Oil Debris Monitoring (ODM) is verified operative, and b) Repairs are made wit 28 FH.	ory d:				
34-07	ENG 1(2) OIL IMP BYPASS Advisory EICAS Message				Deleted, Revision 13 (Included in item 79-33-2	23).				

MASTER MINIMUM EQUIPMENT LIST											
Airplane ED 1470/ED 1400						Revision 18	Page				
	ER	J 170/ERJ 190		2an	ir c	estogory	79-5				
Syste			'- '	I. Repair category 2. Number installed							
Seque		: ITEM		3. Number required for dispatch							
No	•				•	4. Remarks and/or exception	s				
79 OII	_										
	Monito (EMBI 195-E	,									
-01		ebris Above ndication	A	2	1	One engine may be dispatched with ENG 1 (CHIP DETECTED Advise EICAS Message provide a) ENG 1 OIL IMP BYPA and ENG 2 OIL IMP BYPASS Advisory Elemessages are not displayed, b) There is no recent envibration exceedance c) Repairs are made in accordance with time established by the En Manual.	ory d: ASS CAS gine , and				

MASTER MINIMUM EQUIPMENT LIST												
Airplane ERJ 170/ERJ 190			Revision 18			Page 80-1						
System & Sequence ITEM No.			Repa	tepair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions								
80 STARTING												
10-01	Starter Control Valve (SCV)											
-A	EMBRAER 170/175/190/195/ 190 FREIGHTER/ LINEAGE 1000		2	1	(M)(O) One may be inoperative provided man override procedures are for engine ground start.							
					NOTE: See AFM for Windmilling starts associated engin							
-B	EMBRAER 190-E2/ 195-E2	A	2	1	 (M) One may be inopera provided: a) Manual override procedures are used engine ground start, a b) Repairs are made wit three flight days. 	for and						
					NOTE: See AFM for Windmilling starts associated engin							
0-05 ***	Engine Start/Stop Switch Cover	D	2	0	May be inoperative or missing.	}						