

TRANSPORT CANADA MMEL SUPPLEMENT

TO

TEXTRON AVIATION BE-1900D MASTER MINIMUM EQUIPMENT LIST

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National Aircraft Certification
for Minister of Transport

July 10, 2019 Revision: 09





TEXTRON AVIATION BE-1900D

PAGE: I REVISION: 09 JULY 10, 2019

List of Effective Pages

Title Page			
List of Effective Pages	1	Revision 09	July 10, 2019
List of Emosity of agos	II	Revision 09	July 10, 2019
Log of Revisions	 III	Revision 09	July 10, 2019
Reasons for Changes	IV	Revision 09	July 10, 2019
	V	Revision 09	July 10, 2019
Introduction	VI	Revision 09	July 10, 2019
Pages	21-1	Revision 09	July 10, 2019
C	21-2	Revision 09	July 10, 2019
	22-1	Revision 09	July 10, 2019
	22-2	Revision 09	July 10, 2019
	23-1	Revision 09	July 10, 2019
	23-2	Revision 09	July 10, 2019
	23-3	Revision 09	July 10, 2019
	24-1	Revision 09	July 10, 2019
	25-1	Revision 09	July 10, 2019
	25-2	Revision 09	July 10, 2019
	25-3	Revision 09	July 10, 2019
	25-4	Revision 09	July 10, 2019
	25-5	Revision 09	July 10, 2019
	25-6	Revision 09	July 10, 2019
	26-1	Revision 09	July 10, 2019
	26-2	Revision 09	July 10, 2019
	26-3	Revision 09	July 10, 2019
	27-1	Revision 09	July 10, 2019
	30-1	Revision 09	July 10, 2019
	31-1	Revision 09	July 10, 2019
	33-1	Revision 09	July 10, 2019
	34-1	Revision 09	July 10, 2019

REVISION: 09 JULY 10, 2019

PAGE: II

TEXTRON AVIATION BE-1900D

List of Effective Pages (cont'd)

Pages	34-2	Revision 09	July 10, 2019
	34-3	Revision 09	July 10, 2019
	34-4	Revision 09	July 10, 2019
	34-5	Revision 09	July 10, 2019
	34-6	Revision 09	July 10, 2019
	34-7	Revision 09	July 10, 2019
	34-8	Revision 09	July 10, 2019
	35-1	Revision 09	July 10, 2019
	35-2	Revision 09	July 10, 2019
	35-3	Revision 09	July 10, 2019
	38-1	Revision 09	July 10, 2019
	38-2	Revision 09	July 10, 2019

PAGE: III REVISION: 09 JULY 10, 2019

TEXTRON AVIATION BE-1900D

Log of Revisions

Revision No.	Date	Page Number	Initials
Original	May 10, 1996	I, II, III, IV, V, VI, 24-1, 25-1, 27-1, 30-1, 31-1, 32-1, 33-1, 34-1, 35-1, 52-1	
01	Aug. 08, 1997	I, II, III, IV, V, 34-1, 35-1	
02	Jan. 15, 1999	I, II, III, IV, V, 27-1, 32-1	
03	Nov. 15, 2001	All	
04	May 08, 2003	I, II, III, IV, V, VI, 22-1,23-2, 23-3,25-1, 25-3, 25-4, 25-5, 26-1, 26-2, 26-3, 26-4, 27-1, 30-2, 33-1, 34-1, 34-2, 34-3, 34-4, 34-5, 34-6, 35-1, 35-2, 35-3, 35-4, 38-1	
05	Nov. 10, 2004	I, II, III, IV, V, 21-1, 23-1, 23-2, 25-4, 26-1, 33-1, 33-2, 38-1	
06	July 16, 2014	I, II, III, IV, V, VI,VII, VIII, 21-1 to 21-4, 22-1, 22-2, 23-1, 23-2, 23-3, 25-1 to 25-6, 26-1 to 26-4, 27-1, 30-1, 31-1, 33-1, 33-2, 34-1 to 34-10, 35-1, 35-2, 38-1, 38-2, 52-1	
07	Nov. 30, 2017	I, II, III, IV, V, VI, 21-1, 21-2, 22-1, 23-2, 23-3, 24-1, 25-1, 26-2, 27-1, 30-1, 31-1, 32-1, 33-1, 34-1, 34-2, 34-4, 34-10, 35-1, 35-2, 35-3	
08	Jun. 18, 2018	I, II, III, IV, V, 22-1, 22-2, 34-1	
09	July 10, 2019	All	

PAGE: IV REVISION: 09 JULY 10, 2019

TEXTRON AVIATION BE-1900D

Reasons for Changes

General	1. Alignment with BE-1900/1900C TCS Revision 4.
	Editorial changes (without revision marks) to match item numbering as per FAA MMEL.
	3. All pages have been re-dated, however, only items that contain technical changes are highlighted with revision marks.
22-01	Revised first relief of sub-item -01 as per GB item 22-10-2.
23-01	Revised Repair Interval Category of -01 as per GB item 23-30-1 (not required by regulations relief case). Deleted sub-item -01, second relief.
23-04	Deleted second relief.
23-09	Removed from TCS. Previously deleted in TCS Revision 7.
25-02	Revised as per GB item 25-60-1.
25-04	Deleted Note 1 under sub-item -01 and Note under sub-item -02 as they don't apply to the BE-1900D.
25-05	Reformatted to include relief for AED and EMK (as per TC MMEL Global Change 6). Revised title of -03 as well as -03-01. Previous item 25-5 (FAK) has been moved to subitem -03.
25-07	Revised dispatch conditions of first relief as per GB item 25-60-5.
25-10	Revised to indicate "No change from FAA MMEL".
25-14	Deleted. Refer to FAA MMEL.
25-25	Deleted.
25-26	Deleted.
25-27	Deleted.
26-04	Revised first relief to indicate "No change from FAA MMEL".
27-02	Deleted. Refer to FAA MMEL.
27-09	Deleted.
31-03	Editorial changes.
32-07	Removed from TCS. Previously deleted in TCS Revision 7.
33-02	Added second relief as per GB item 33-10-1.
33-03	New item. First relief is cat D as per GB item 33-40-1.
33-08	New item. First relief is cat D as per GB item 33-40-1.
33-16	Deleted.
33-17	Deleted.
33-18	Deleted. Refer to FAA MMEL item 25-18.
34-04	Revised Number Installed/Number Required of third relief as per FAA MMEL. Revised dispatch conditions of third relief to indicate "No change from FAA MMEL".

PAGE: V REVISION: 09 JULY 10, 2019

TEXTRON AVIATION BE-1900D

Reasons for Changes (cont'd)

34-05	Revised -01 as per GB item 34-50-1. Revised title of -02 and reformatted. Deleted -03 and -04.
34-07	Reformatted. Revised second relief.
34-10	Deleted. Refer to FAA MMEL.
34-12	Deleted. Refer to FAA MMEL.
34-13	Removed from TCS. Previously deleted in TCS Revision 7.
34-19	Class A TAWS: Revised Number Installed of -01 as per FAA MMEL. Revised Repair Interval Category of -01 e), first relief, as per FAA MMEL. Revised Repair Interval Category (cat B) of -02 and -03 (second relief) as those functions are now required by regulations. Added first relief to -03 as per FAA MMEL. Class B TAWS: Revised Number Installed of -01 as per FAA MMEL. Revised Repair Interval Category (cat B) of -02 as that function is now required by regulations. Class C TAWS: Revised as per GB item 34-40-2. Added relief for TAWS Class A or B not required by regulations.
34-29	Removed from TCS. Previously deleted in TCS Revision 7.
34-30	Removed from TCS. Previously deleted in TCS Revision 7.
35-01	Deleted former provisos b) and d) in sub-item -01.
35-03	New item with Repair Interval Category as per GB item 35-20-2.
38-02	Revised second relief as per GB item 38-30-1: deleted (O) and Note 1.

TEXTRON AVIATION BE-1900D

PAGE: VI REVISION: 09 JULY 10, 2019

Introduction

This Transport Canada MMEL Supplement constitutes a mandatory change to the FAA Approved MMEL for the Textron Aviation Model BE-1900D aircraft.

This MMEL Supplement must be used in conjunction with the FAA Approved MMEL (Revision 5b dated 11/15/2017 or later applicable revision).

The information contained herein supersedes the existing FAA MMEL only for those items listed herein. For items not contained in this Supplement, consult the FAA Approved MMEL.

Operating and/or maintenance procedures referred to in this Supplement are the same as those supporting the FAA MMEL unless otherwise indicated. Procedures required by the Transport Canada MMEL Supplement and not indicated in the FAA Approved MMEL must be provided by the operator.

The FAA MMEL has entries where the "Remarks or Exceptions" column states makes reference to applicable FARs. Unless such an entry is superseded by an item in this Supplement, all references should be made to the applicable Canadian regulations.

This MMEL Supplement uses the standard four column format as referenced in the Transport Canada MMEL/MEL Policy and Procedures Manual (TP 9155E). The same definitions and symbols as the FAA MMEL are also used. Items which have no MMEL relief (i.e. relief withdrawn) are not categorized.

Comments and inquiries should be directed to:

Transport Canada Chief, Flight Test - AARDC National Aircraft Certification

Aircraft: TEXTRON AVIATION BE-1900D				Revis	ion No	o. 09 Page:	
				Date:	July 1	0, 2019 21-1	
Syste	m &	1.	2.	Numb	er Insta	alled	
Seque	ence			3.	Number Required for Dispatch		
Numb	ers				4.	Remarks or Exceptions	
			1				
21	AIR CONDITIONING						
-05	CABIN ALT HI Annunciator System	С	1	0	(O)	May be inoperative provided flight is conducted at or below 10,000 feet MSL.	
-07	Differential Pressure/Cabin Altitude Indicator						
	-01 Differential Pressure	С	1	0	(O)	May be inoperative provided:	
	Indication					The cabin altitude indication is operative, and	
						 A chart is provided to convert cabin altitude indication to cabin differentia pressure. 	
		D	1	0	(O)	May be inoperative provided flight is conducted in an unpressurized configuration at or below 10,000 feet MS with the dump valve in the open position.	
	-02 Cabin Altitude Indication	С	1	0	(O)	May be inoperative provided:	
						a) The differential pressure indication is operative, and	
						 A chart is provided to convert differential pressure indication to cabin altitude. 	
		D	1	0	(O)	May be inoperative provided flight is conducted in an unpressurized configuration at or below 10,000 feet MS with the dump valve in the open position.	

Aircra	ıft:			Revisi	on No. 09	Page:	
TEXT	TEXTRON AVIATION BE-1900D			Date:	21-2		
Syste	m &	1.	2.	Number Installed			
Seque	ence			3.	Number Required for Dispatch		
Numb	ers				4. Remarks or Exceptions		
21	AIR CONDITIONING						
-08	Outflow/Safety Valves	С	2	0	(M)(O) May be inoperative pro	vided:	
					a) Flight is conducted unpressurized con- below 10,000 feet	iguration at or	
					b) One valve is remove the open position,		
					c) Extended overwate prohibited.	er operations are	
-09	Pressurization System	С	1	0	(M)(O) May be inoperative pro	vided:	
					a) Flight is conducted unpressurized con below 10,000 feet	iguration at or	
					b) One Outflow/Safet or secured in the o		
					c) Extended overwate prohibited.	er operations are	
	Sub-items -01 to -04				No change from FAA N	1MEL	

Aircraft:			Revis	ion No. 09	Page:	
TEXT	RON AVIATION BE-1900D			Date:	July 10, 2019	22-1
Syste	m &	1.	2.	Num	per Installed	
Sequ	ence			3.	Number Required for Dispatch	1
Numb	pers				4. Remarks or Exceptions	
22	AUTO FLIGHT					
-01 ***	Autopilot System	С	-	0	No change from FAA M	IMEL
	-01 Autopilot Disconnect Functions (Quick Release Controls)	С	2	1	One may be inoperative a) The autopilot is not feet AGL, b) Approach minimum use of the autopilot, c) The pilot flying has disconnect.	used below 1,500 s do not require the and
		В	2	0	Both may be inoperative autopilot is not used.	e provided the
-02	Yaw Damper / Rudder Boost System	С	1	0	No change from FAA M	IMEL.
	Sub-items -01 to -04				No change from FAA M	IMEL.
	-05 Yaw Damper Coupled Annunciator (STC SA16-85)	С	2	1	Co-pilot's annunciator r provided aircraft is oper	
		С	2	0	Both annunciators may provided yaw damper is	

Aircr	aft:			Revis	sion N	o. 09 Page:	Page:
TEXT	TRON AVIATION BE-1900D			Date:	July '	10, 2019 22-2	
Syste	em &	1.	2.	Num	ber Ins	stalled	
Sequ	ence			3.	Num	ber Required for Dispatch	
Numl	pers				4.	Remarks or Exceptions	
22	AUTO FLIGHT						
-05	Autopilot Disconnect Aural Warning	В	1	0		May be inoperative provided the auto is considered inoperative and not use	
		В	1	0	(O)	 May be inoperative provided: a) Both AP OFF lights are verified to operate normally before each departure, and b) The autopilot is not used below in approach altitude. 	
-06	"AP OFF" Light	С	2	1	(O)	One may be inoperative provided au alert is verified to operate normally beach departure.	
		В	2	0		Both may be inoperative provided the autopilot is not used.	е

Aircraft:				Revis	ion No	o. 09	Page:
TEXTRON AVIATION BE-1900D				Date: July 10, 2019			23-1
Syste	m &	1.	2.	Num	ber Ins	talled	
Seque	ence			3.	Num	ber Required for Dispatch	
Numb	ers				4.	Remarks or Exceptions	
23	COMMUNICATIONS						
-01 ***	Passenger Address System						
	-01 Passenger Configuration	С	1	0	(O)	May be inoperative pro	vided:
						a) Alternate procedure and used, and	es are established
						b) Required standard given to passenger that will ensure the audible to each pas	s using a means briefings are
	-02 Cargo Configuration	D	1	0		May be inoperative pro members are in the cod	
-02 ***	Recorded Passenger Briefing Unit						
	-01 Passenger Configuration	С	1	0	(O)	May be inoperative pro procedures are establis	
	-02 Cargo Configuration	D	1	0		May be inoperative pro members are in the coo	
-04	Communications Equipment (VHF, UHF)	D	-	2		Any in excess of those regulations and not powergency bus may be	vered by an

Aircra	aft:			Revis	ion No. 09	Page:
TEXT	RON AVIATION BE-1900D			Date:	July 10, 2019	23-2
Syste	m &	1.	2.	Num	per Installed	
Seque	ence			3.	Number Required for Dispato	h
Numb	ers				4. Remarks or Exceptions	3
23	COMMUNICATIONS					
-05	Flight Deck Speakers	С	2	0	May be inoperative pr	ovided:
					a) Procedures are no use,	t dependent on their
					b) Headsets are insta each person on fli	
					d) A spare headset n available for crew	
-20	Audio Control Panels		-	-	Must be operative for o deck duty including an the observer's seat in	y person occupying
	-01 Observer Seat Panel	В	1	0	May be inoperative ex by a person in an offic	
		D	1	0	May be inoperative pro required to be availabl capacity for extended	e in an official

Aircra	aft:			Revis	ion No. 09	Page:
TEXT	RON AVIATION BE-1900D			Date:	July 10, 2019	23-3
Syste	m &	1.	2.	Num	per Installed	
Seque	ence			3.	Number Required for Dispatc	h
Numb	ers				4. Remarks or Exceptions	3
23	COMMUNICATIONS					
-21	Boom Sets (Microphones and Headsets)					
	-01 Headset Function	С	-	-	Headset function may any boom set provided is installed, operative a	l alternate headset
	-02 Mike Function					
	a) CVR required to record boom microphones	Α	-	0	One or more may be in a) Crew members on and headsets open	duty hand mikes
					b) Flight data recorde and	er operates normally,
					c) Repairs are made days.	within three flight
	b) CVR not required to record boom microphones	D	-	0	One or more may be in crew members on duty headsets operate norn	hand mikes and

Aircra	aft:			R	evision No. 09	Page:
TEXT	RON AVIATION BE-1900D			D	ate: July 10, 2019	24-1
Syste	m &	1.	2.	Nur	nber Installed	
Seque	ence			3.	Number Required for Dispatch	1
Numb	Numbers				4. Remarks or Exceptions	
24	ELECTRICAL POWER					
-04	Inverters	В	2	1	One may be inoperativ provided both L and R Systems operate norm	AC Bus Annunciator
	-01 Inverters with G950 Avionics with STC SA02309SE Only				No change from FAA N	1MEL

Aircr	aft:			Revis	ion No	o. 09 Page:
TEXT	RON AVIATION BE-1900D			Date:	July 1	10, 2019 25-1
Syste	m &	1.	2.	Num	ber Ins	stalled
Sequ	ence			3.	Num	ber Required for Dispatch
Numb	pers				4.	Remarks or Exceptions
25.	EQUIPMENT/ FURNISHINGS					
-01	Passenger Seat(s)	D	-	_		No change from FAA MMEL
	-01 Recline Mechanism	D	-	-	(M)	May be inoperative and seat occupied provided seat is secured in the full upright position.
		С	-	-		No change from FAA MMEL
	-02 Underseat Baggage Restraining Bars					No change from FAA MMEL
	-03 Armrest					No change from FAA MMEL
	-04 Forward Observer Seat	В	1	0	(M)	May be inoperative except when required by a person in an official capacity provide the seat is removed, stowed, or secured the retracted position.
		D	1	0	(M)	May be inoperative provided:
						 The seat is not required to be occupi in an official capacity for extended periods of time, and
						 The seat is removed, stowed, or secured in the retracted position.

Aircra	aft:			Revis	sion No	o. 09	Page:
TEXT	RON AVIATION BE-1900D		Date: July 10, 2019				25-2
Syste	m &	1.	2.	Num	ber Ins	talled	
Seque	ence			3.	Num	ber Required for Dispat	ch
Numb	Numbers				4.	Remarks or Exceptio	ns
25.	EQUIPMENT/ FURNISHINGS						
-02	Emergency Locator Transmitter (ELT) System						
	-01 Survival Type ELTs	D	-	-		Any in excess of the regulations may be missing.	
	-02 Fixed ELTs	A			(M)	indicating the d removed, and b) Repair or repla	provided: ayed in the flight deck ate ELT has been cement is made within all prescribed by

1.	2.	Date: July 10, 2019 Number Installed	25-3
1.	2.	Number Installed	
Sequence		3. Number Required for Di	spatch
		4. Remarks or Exce	ptions
		NOTES: 1. Operators at Passenger Contentiation procedures, (NEF) only. 0 Passenger converges expressed in this to passenger converges equipment trays, stereo equipment trays, stereo equipment trays, stereo equipment (M) and (O) procedured in the NOTES: 1. Galley equipment NOTES: 1. Galley equipment such as latch serviceable contentiation on the used for "INOPERATI" 2. Movie equipment with stowed. 3. Audio or audiequipment with serviceable contentiations.	ptions re to select either convenience Items or sential Equipment and in their MELs. rs with NEF defect and control refer to sub-item -02 enience items as MMEL are those related venience, comfort or ich as, but not limited to , movie equipment, ash ipment, and overhead ems addressed elsewhere shall not be included. redures may be required he MEL. ment restraining devices es, etc. must be or the compartment must or storage and placarded VE - DO NOT USE". hent individual screens, if ust be capable of being
			NOTES: 1. Operators at Passenger Content Passen

Aircraft:					ion N	o. 09	Page:		
TEXT	RON AVIATION BE-1900D			Date: July 10, 2019			25-4		
Syste	m &	1.	2.	Num	Number Installed				
Seque	ence			3.	Num	ber Required for Dispatch			
Numb	Numbers				4.	Remarks or Exceptions			
25.	EQUIPMENT/ FURNISHINGS								
-04	Passenger Convenience/NEF Items (cont'd)								
	-02 Non-Essential *** Equipment and Furnishings (NEF)		-	0		May be inoperative, dama provided that the item(s) accordance with the oper rectification and control p NEF policies are outlined Maintenance Control Mar procedures, if required, m to the flight crew and incluoperator's appropriate do	is deferred in ator's defect rocedures. The in the operator's hual. (M) and (O) hust be available uded in the		
-05	Emergency Medical Equipment								
	-01 Automatic External *** Defibrillator (AED) and/or Associated Equipment	D	-	0	(O)	May be incomplete, missinoperative provided pro- established and used to members of incomplete, inoperative units.	cedures are alert crew		
	-02 Emergency Medical Kit *** (EMK) and/or Associated Equipment	D	-	-	(O)	Any kit or items contained excess of those required may be incomplete or multiple procedures are establishalert crew members of nultiple incomplete kits.	d by regulations issing provided ned and used to		

Aircr	aft:			Revis	ion No	o. 09 Page:		
TEXT	RON AVIATION BE-1900D			Date:	July 1	10, 2019 25-5		
System & 1.			2.	Num	Number Installed			
Sequ	ence			3.	Num	ber Required for Dispatch		
Numb	pers				4.	Remarks or Exceptions		
25. -05	EQUIPMENT/ FURNISHINGS Emergency Medical							
-00	Equipment (cont'd)							
	-03 First Aid Kit (FAK) and/or Associated Equipment	D	-	-	(O)	Any kit or items contained in the kit in excess of those required by regulations may be incomplete or missing provided: a) Required distribution is maintained,		
						and		
						 b) Procedures are established and used to alert crew members of missing or incomplete kits. 		
	-01 First Aid Kit Seal (Required First Aid Kits)	Α	-	-	(O)	The seal affixed on the exterior of any required first aid kit may be missing or broken for three flight days provided:		
						 The first aid kit is fully equipped or the kit has a maximum of one missing item, 		
						b) The kit includes a list of its contents,		
						 c) An inventory is taken on the contents of the kit prior to departure, and 		
						 d) Procedures are established and used to alert crew members of: 		
						1) The missing or broken seal, and		
						The need to perform an inventory under proviso c).		

Aircra	ft:			Revis	ion No.	09	Page:		
TEXT	RON AVIATION BE-1900D			Date:	July 10	25-6			
Syster	n &	1.	2.	Numb	Number Installed				
Seque	ence			3.	Numbe	er Required for Dispatch			
Numbers					4.	Remarks or Exceptions			
25.	EQUIPMENT/ FURNISHINGS								
-07	Flashlight/Flashlight Assembly								
	-01 Flashlights	С	-	0	(O)	May be inoperative or missing each inoperative or missing flashlight is replaced with a equivalent characteristics re	flight attendant flashlight of		
	-02 Holders	С	-	0	(M)(O)	May be inoperative or missi alternate stowage provision			
-10	Crew Seat Adjustments	В	-	0		No change from FAA MMEI	_		
-14	Crew Rudder Pedal Adjustment					Deleted in Revision 9 Refer to FAA MMEL			
-25	Lavatory NO SMOKING Placards		-	-		Deleted in Revision 9			
-26	Exterior Lavatory Door Ashtray					Deleted in Revision 9			
-27	Crew Member Shoulder Harness					Deleted in Revision 9			

Aircraft:				Revisi	on No.	09	Page:		
TEXT	RON AVIATION BE-1900D			Date: July 10, 2019			26-1		
Syste	m &	1.	2.	Number Installed					
Seque	Sequence			3.	Numbe	r Required for Dispatch			
Numb	Numbers				4.	Remarks or Exceptions	3		
26	FIRE PROTECTION								
-01	Portable Fire Extinguishers	D	-	-	(M)(O)	Any in excess of those regulations may be ino provided:			
							m the passenger and/or class E at that is accessible during flight, and its add INOPERATIVE, m the installed but of sight and the ad its installed		
						b) Required distribution the passenger compact and each class compartment that it crew members during the compact of the compa	npartment, the flight ss E cargo s accessible to		
						c) Procedures are est to alert crew membrorrable fire exting	ers of missing		

Aircra	aft:			Revis	ion No.	09 Page:
TEXT	RON AVIATION BE-1900D			Date:	July 10	2019 26-2
Syste	m &	1.	2.	Numb	er Instal	led
Seque	ence			3.	Numbe	er Required for Dispatch
Numb	ers				4.	Remarks or Exceptions
26	FIRE PROTECTION					
-04 ***	Lavatory Smoke Detection System	С	-	0		No change from FAA MMEL
		D	-	0		Any in excess of that required by regulations may be inoperative.
	-01 Cargo Configuration	С	_	0	(O)	May be inoperative provided:
						a) Crew members have been briefed that the lavatory smoke detection system is inoperative, and
						b) In-flight service waste bags are not stored in the lavatory.
						NOTE:
						The above-mentioned provisos are not intended to preclude crew member lavatory inspections, which must be detailed in the (O) procedures.
		D	_	0	(M)(O)	May be inoperative provided:
						a) Crew members have been briefed that the lavatory smoke detection system is inoperative,
						b) The lavatory is placarded, INOPERATIVE – DO NOT ENTER, and
						c) In-flight service waste bags are not stored in the lavatory.
						NOTE:
						The above mentioned provisos are not intended to preclude crew member lavatory inspections which must be detailed in the (O) procedures.

Aircr	aft:			Revis	ion No. 09	Page:		
TEXT	RON AVIATION BE-1900D			Date: July 10, 2019 26-				
Syste	m &	1.	2.	Number Installed				
Sequ	ence			3.	oatch			
Numb	pers				4. Remarks or Excep	otions		
26 -05 ***	FIRE PROTECTION Cargo Compartment Fire Detection System	C	-	0	No change from F NOTE: Unit Load Devices in the associated c no cargo is carried For ballast purpose of glass fibre or ke			

Aircr	aft:		Revision No. 09	Page:
TEXT	RON AVIATION BE-1900D		Date: July 10, 2019	27-1
Syste	m & 1.	2.	Number Installed	
Sequ	ence		3. Number Required for Dispa	tch
Numb	pers		4. Remarks or Exception	ns
27	FLIGHT CONTROLS			
-02	Flap System		Deleted in Revision Refer to FAA MMEL	
			THE STATE OF THE S	
-09	Control Wheel Trim Switches		Deleted in Revision	9
			_1	

Aircra	aft:			Re	vision	No. 09	Page:
TEXT	RON AVIATION BE-1900D			Date: July 10, 2019			30-1
Syste	m &	1.	2.	Num	ber Ins	stalled	
Seque	ence			3.	Num	ber Required for Dispatch	1
Numb	Numbers				4.	Remarks or Exceptions	
30	ICE AND RAIN PROTECTION						
-02	Engine Inertial Ice Vane Actuator Motors	С	4	2	(O)	One actuator motor on inoperative provided a operated in visible moi	rcraft is not
		С	4	2	(O)	No change from FAA M	IMEL
		С	4	0	(M)	No change from FAA M	IMEL.
-03	Alternate Static Air Source Heater	С	1	0		Except where enroute its use, may be inoperated in known conducted in known conditions.	ative provided flight
-13	Pitot Heater	В	2	1		Except where enroute its use, one may be income a) Flight is conducted b) Flight is not condumoisture, and c) Flight is not condumoisture, and condumoisture is not condumoisture.	operative provided: d in day VMC, ucted in visible ucted in known or

Aircra	ift:			Rev	vision No. 09	Page:			
TEXT	RON AVIATION BE-1900D			Dat	Date: July 10, 2019				
Syste	n &	1.	2.	Numb	Number Installed				
Seque	ence			3. Number Required for Dispatch					
Numb	ers				4. Remarks or Exceptions	;			
31	INDICATING/ RECORDING SYSTEMS								
-01	Clock with presentation of seconds	С	-	-	Aircraft clock may be in provided a reliable and timepiece is readily available deck crew members.	I functioning			
-03	Flight Data Recorder (FDR)								
	FDR and CVR required by	Α	1	0	May be inoperative pro	vided:			
	regulations				a) Cockpit Voice Reco	order (CVR) is			
					b) Repairs are made v days.	within three flight			
	FDR only required by regulations	Α	1	0	May be inoperative promade within three fligh				
	FDR not required by regulations	D	1	0					
	-01 Digital FDR Recording Parameters required by	Α	-	-	Up to three digital reco				
	regulations.				a) Cockpit Voice Reco	order is operative,			
					b) Repairs are made v calendar days.	within twenty			
	-02 Digital FDR Recording Parameters not required by regulations.	Α	-	-	May be inoperative promade before the comp heavy maintenance vis	letion of the next			

Aircra	ft:				Revision No. 09	Page:
TEXT	RON AVIATION BE-1900D				Date: July 10, 2019	33-1
Syster	n &	1.	2.	Ν	ımber Installed	
Seque	ence			3.	Number Required for Dispatch	
Numb	ers				4. Remarks or Exceptions	
33	LIGHTS					
-02	Cockpit/Flight Deck/Flight Compartment and Instruments Lighting System	С	-		No change from FAA MM	IEL
msuuments Lighting System	D	-		May be inoperative for da	y operations.	
	-01 Standby Attitude Indicator Internal Illumination	D	1		No change from FAA MM	IEL
	Sub-items -02 through -04				No change from FAA MM	EL
-03	Landing Lights	D	2		No change from FAA MM	EL
		С	2	,	No change from FAA MM	IEL
-08	Taxi Light	D	1		No change from FAA MM	IEL
		С	1		No change from FAA MM	IEL
-16	Emergency Lighting, Internal				Deleted in Revision 9	
-17 ***	Floor Proximity Emergency Escape Path Markings				Deleted in Revision 9	
-18	Fasten Seat Belt and No Smoking Signs				Deleted in Revision 9 Refer to FAA MMEL item	25-18

Aircra	ft:			Re	vision No. 09	Page:			
TEXT	RON AVIATION BE-1900D			Da	te: July 10, 2019	34-1			
Syster	n &	1.	2.	Num	Number Installed				
Seque	ence			3.	Number Required for Dispatch				
Numb	ers				4. Remarks or Exceptions				
34	NAVIGATION								
-01	Vertical Speed Indicators	С	2	1	One may be inoperative NOTE: No change from FA	•			
					NOTE: No change nom 1 A	A WIIVILL.			
-04	Non-Stabilized Magnetic Compass	В	1	0	No change from FAA M	IMEL			
		В	1	0	(O) May be inoperative prov	vided:			
					a) Any combination of (IRU) stabilized con operate normally, a	npass systems			
					b) Aircraft is operated:				
					1) With dual indep capability, and	endent navigation			
					2) Under positive r ATC during the phase, or one o systems is a TS provides track in	enroute flight f the navigation O'd GPS which			
		С	1	0	No change from FAA M	MEL			

Aircraft:				Re	vision	No. 09	Page:
TEXT	RON AVIATION BE-1900D			Da	te: Jul	y 10, 2019	34-2
Syste	m &	1.	2.	Num	ber Ins	talled	
Seque	ence			3.	Num	ber Required for Dispatch	
Numb	ers				4.	Remarks or Exceptions	
34	NAVIGATION						
-05	Navigation Equipment						
	-01 VOR/ILS	С	-	-		Any in excess of those recregulations and not power emergency or standby elements be inoperative.	red by an
	-02 LORAN, RNAV, INS, GPS, Omega/VLF, Doppler, FMS, MLS,	С	-	-	(O)	May be inoperative provide procedures are established	
	TACAN	D	-	-		May be inoperative provice procedures do not require	
						NOTE: GPS & GPS WAAS must for G950 equipped aircraf SA02309SE.	
-07	Marker Beacon	С	-	-	(O)	May be inoperative provide procedures are established	
		D	-	-		May be inoperative provide procedures do not require	
-10	Automatic Direction Finding Equipment (ADF)					Deleted in Revision 9 Refer to FAA MMEL	

Aircraft:			Re	vision No. 09	Page:
RON AVIATION BE-1900D			Da	te: July 10, 2019	34-3
m &	1.	2.	Num	ber Installed	
ence			3.	Number Required for Dispatch	
pers				4. Remarks or Exceptions	
NAVIGATION					
Radio Altimeter					
-01 Necessary for GPWS operation when GPWS is required by regulations	Α	-	0	a) GPWS is consider b) Alternate procedurestablished and user c) Landing minimum on its use, and	red inoperative, res are sed, s are not based
-02 Necessary for GPWS operation when GPWS is not required by regulations	С	-	0	No change from FAA MM	IEL
-03 Not necessary for GPWS	D	-	0		
Flight Director System				Deleted in Revision 9 Refer to FAA MMEL	
	RON AVIATION BE-1900D m & ence bers NAVIGATION Radio Altimeter -01 Necessary for GPWS operation when GPWS is required by regulations -02 Necessary for GPWS operation when GPWS is not required by regulations -03 Not necessary for GPWS	RON AVIATION BE-1900D m & 1. ence bers NAVIGATION Radio Altimeter -01 Necessary for GPWS operation when GPWS is required by regulations C operation when GPWS is not required by regulations -03 Not necessary for GPWS GPWS D D	RON AVIATION BE-1900D m & 1. 2. ence pers NAVIGATION Radio Altimeter -01 Necessary for GPWS operation when GPWS is required by regulations -02 Necessary for GPWS operation when GPWS is not required by regulations -03 Not necessary for GPWS GPWS -03 Not necessary for GPWS GPWS	RON AVIATION BE-1900D m & 1. 2. Num ence bers NAVIGATION Radio Altimeter -01 Necessary for GPWS operation when GPWS is required by regulations C - 0 Operation when GPWS is not required by regulations C - 0 Not necessary for GPWS GPWS D - 0 Operation when GPWS GPWS D - 0 Operation when GPWS D - 0 Operation when GPWS D - 0 Operation when GPWS D - 0 Operation when GPWS	RON AVIATION BE-1900D m & 1. 2. Number Installed 3. Number Required for Dispatch 4. Remarks or Exceptions NAVIGATION Radio Altimeter -01 Necessary for GPWS operation when GPWS is required by regulations -02 Necessary for GPWS operation when GPWS is not required by regulations -03 Not necessary for GPWS GPWS Flight Director System Date: July 10, 2019 Number Installed 3. Number Required for Dispatch 4. Remarks or Exceptions A - 0 May be inoperative provice a) GPWS is consider by Alternate procedure established and used to be a considered and used to considered and used to be a considered and used to be a consider

Aircra	aft:			Re	vision	No. 09	Page:
TEXT	RON AVIATION BE-1900D			Da	te: Jul	y 10, 2019	34-4
Syste	m &	1.	2.	Num	ber Ins	stalled	
Seque	ence			3.	Num	ber Required for Dispatch	
Numb	ers				4.	Remarks or Exceptions	
34	NAVIGATION						
-19	Terrain Awareness and Warning System (TAWS) Class A TAWS						
	-01 GPWS	Α	1	0	(O)	May be inoperative provid	ed:
						Alternate procedures and used, and	are established
						b) Repairs are made wit days.	hin three flight
	a) Modes 1 to 4	Α	4	0	(O)	May be inoperative provid a) Alternate procedures and used, and b) Repairs are made wit days.	are established
	b) Test Mode	Α	1	0		May be inoperative provida a) The GPWS is considered and b) Repairs are made with days.	ered inoperative,
	c) Glideslope Deviation (Mode 5)	С	-	1			
		В	-	0		May be inoperative.	
	d) Advisory Callouts (Mode 6)	С	-	0	(O)	May be inoperative provious procedures are established	

Aircra	Aircraft:					vision	9 Pa	ge:	
TEXT	TEXTRON AVIATION BE-1900D				Date: July 10, 2019			2019 34	-5
Syster	n &	1.	2.	N	Number Installed				
Seque	Sequence			3.		Num	ber R	equired for Dispatch	
Numb	ers					4.	Ren	narks or Exceptions	
34	NAVIGATION								
-19	Terrain Awareness and Warning System (TAWS) Class A TAWS (cont'd)								
	-01 GPWS (cont'd)								
	e) Windshear Mode (Reactive) (Mode 7)	В	1		0	(O)	Ma a)	y be inoperative provided: Alternate procedures are estated and used, and	olished
							b)	Takeoffs and landings are not conducted in known or forecas windshear conditions.	t
		С	1		0	(O)	Ma	y be inoperative provided:	
							a)	Alternate procedures are established and used, and	olished
							b)	Windshear Detection and Avoi System (Predictive) operates normally.	dance
	-02 Terrain System – Forward Looking Terrain Avoidance (FLTA) and Premature Descent Alert (PDA) Functions	В	1		0		Ма	y be inoperative.	
	-03 Terrain Displays	С	-		1				
		В	-		0		Ma	y be inoperative.	
	-04 Runway Awareness and Advisory System (RAAS)	С	1		0		Ма	y be inoperative.	

Aircra	Aircraft:			Re	vision	No. 09	Page:	
TEXT	RON AVIATION BE-1900D			Da	te: Jul	y 10, 2019	34-6	
Syste	m &	1.	2.	Num	Number Installed			
Seque	ence			3.	Num	ber Required for Dispatch		
Numb	ers				4.	Remarks or Exceptions		
34	NAVIGATION							
-19	Terrain Awareness and Warning System (TAWS) Class B TAWS							
	-01 GPWS	Α	1	0	(O)	May be inoperative provide	ded:	
						a) Alternate procedures and used, and	are established	
						b) Repairs are made wi days.	thin three flight	
	a) Modes 1 and 3	Α	2	0	(O)	May be inoperative provide a) Alternate procedures and used, and b) Repairs are made wi	are established	
	b) Test Mode	Α	1	0		days. May be inoperative proving a) The GPWS is considered and b) Repairs are made with days.	dered inoperative,	
	c) Modes 2, 4 and 5	С	3	0		May be inoperative		
	d) Advisory Callouts ***	С	-	0	(O)	May be inoperative provi procedures are establish		
	e) Windshear Mode (Reactive) ***	С	1	0	(O)	May be inoperative provi a) Alternate procedure and used, and b) Takeoffs and landing conducted in known windshear condition	s are established gs are not or forecast	

Aircra	ft:			Rev	vision No. 09	Page:
TEXT	RON AVIATION BE-1900D			Dat	e: July 10, 2019	34-7
Syster	n &	1.	2.	Numl	per Installed	
Seque	nce			3.	Number Required for Dispatch	1
Numbe	ers				4. Remarks or Exceptions	
34	NAVIGATION					
-19	Terrain Awareness and Warning System (TAWS) Class B TAWS (cont'd)					
	-02 Terrain System – Forward Looking Terrain Avoidance (FLTA) and Premature Descent Alert (PDA) Functions	В	1	0	May be inoperative.	
	-03 Terrain Displays	С	-	0	May be inoperative.	
	-04 Runway Awareness and Advisory System (RAAS)	С	1	0	May be inoperative.	
-19	Terrain Awareness and Warning System (TAWS) Class C TAWS	С	1	0	(O) May be inoperative proprocedures are established.	shed and used.
-19	Terrain Awareness and Warning System (TAWS) Class A or B TAWS Not Required	С	1	0	NOTE: Any mode that operate used.	s normally may be

Aircra	aft:			Re	vision	No. 09	Page:
TEXT	RON AVIATION BE-1900D			Da	te: Jul	ly 10, 2019	34-8
Syste	m &	1.	2.	Num	ber Ins	stalled	
Seque	ence			3.	Num	ber Required for Dispatch	
Numb	ers				4.	Remarks or Exceptions	
34	NAVIGATION						
-24 ***	Navigation Databases						
	-01 Flight Management System	С	-	-	(O)	 May be out of currency periods a) Current Aeronautical to verify Navigation Feriods b) Procedures are estable to verify status and services b) Navigation Facilities route of flight, c) Approach Navigation manually tuned and interest associated system. 	Charts are used Fixes prior to blished and used uitability of used to define Radios are dentified, and
	-02 Navigation Management System	С	-	-	(O)	 May be out of currency p a) Current Aeronautical to verify Navigation F dispatch, b) Procedures are estal to verify status and s Navigation Facilities route of flight, c) Approach Navigation manually tuned and i d) Approaches are not of associated system. 	Charts are used Fixes prior to blished and used uitability of used to define Radios are dentified, and

Aircra	aft:			Revis	ion No	o. 09	Page:
TEXT	RON AVIATION BE-1900D			Date:	July 1	35-1	
Syste	m &	1.	2.	Numb	er Insta	alled	
Seque	ence			3.	Numb	per Required for Dispatch	1
Numb	ers				4.	Remarks or Exceptions	S
35	OXYGEN						
-01	Passenger Oxygen System						
	-01 Entire System	В	1	0	(O)	May be inoperative pr	ovided:
						a) Minimum enroute exceed 13,000 fee	
						b) Pressurization sys normally,	tem operates
						c) Portable oxygen u for all crew membe passengers; for ha (supplemental oxy	ers and 10% of the alf an hour
						d) Passengers are ap	opropriately briefed.
	-02 Cargo Configuration	D	1	0		May be inoperative pro	ovided:
						Portable oxygen be to all crew member the flight deck, and	rs required to be off
							go area to alert of a crew members are
		D	1	0		May be inoperative promembers are on the fl	

Aircra	aft:			Revisi	on No. 09	Page:
TEXT	RON AVIATION BE-1900D			Date:	July 10, 2019	35-2
Syste	m &	1.	2.	Numbe	er Installed	
Seque	ence			3.	Number Required for Dispat	ch
Numb	ers				4. Remarks or Exception	ns
35	OXYGEN					
-03	Passenger Oxygen Mask	D	-	0	No change from FAA	MMEL
-04	Protective Breathing Equipment (PBE)	D	-	-	(M)(O) Any in excess of tho regulations may be i missing provided:	-
					a) Required distribu units is maintaine aircraft,	
					passenger cabin placarded INOPE removed from the secured out of sig	removed from the and its location is ERATIVE, or it is a installed location, ght and the ing equipment unit ocation are
					c) Procedures are e to alert crew mer or missing equip	mbers of inoperative
-05	Oxygen Cylinder Gauges	В	2	0	(O)(M) May be inoperative p	provided:
	(Copilot's Subpanel)				a) Oxygen pressure reading before ea	e is checked by direct ach flight, and
					b) Oxygen system i operate normally	

Aircraft: TEXTRON AVIATION BE-1900D				Revision No. 09 Date: July 10, 2019			Page: 35-3
Sequence				3.	Number Required for Dispatch		
Numbers				4. Remarks or Exception		<u> </u>	
35	OXYGEN						
-06	Portable Oxygen Dispensing Units (Bottle and Mask)	D	-	-	(M)(O)	Any in excess of those regulations may be ino missing provided	
						 Required distribution units is maintained aircraft, 	
						b) The inoperative por dispensing unit is re passenger cabin ar placarded INOPER removed from the in secured out of sigh oxygen dispensing installed location ar INOPERATIVE, and	emoved from the and its location is ATIVE, or it is a stalled location, t and the portable unit and its re placarded
						c) Procedures are est to alert crew memb or missing equipme	ers of inoperative

Aircraft:			R	evision No. 09	Page:			
TEXTRON AVIATION BE-1900D				D	ate: July 10, 2019	38-1		
System & 1.		1.	2.	Nui	Number Installed			
Sequence				3.	Number Required for Dispatch			
Numbers					4. Remarks or Exceptions			
38	WATER/WASTE							
-01 ***	Potable Water Systems	С	-	-	No change from FAA MM	EL		
		С	_	0	(M)(O) May be inoperative provide	led:		
					a) System is drained and ensure no leakage, ar			
					b) Procedures are estable deactivate applicable components to prever servicing.	system		
					NOTES:			
					The (O) procedure and means for water proving members as well as advise of system statichanges.	rision for crew the need to		
					Aviation Occupational (AOH&S) requirement addressed.			

Aircraft:				Revision No. 09			Page:
TEXTRON AVIATION BE-1900D				Date: July 10, 2019			38-2
System & 1.		2.	Num	ber Ins			
Sequence				3.	3. Number Required for Dispatch		
Numbers					4.	Remarks or Exceptions	3
38	WATER/WASTE						
-02 ***	Lavatory Waste System	С	-	-		No change from FAA N	MMEL
		С	1	0	(M)	May be inoperative pro	ovided:
						 a) Waste is drained a inspected for leaka 	
						b) Procedures are est deactivate system	
						c) Lavatory door is loo placarded INOPER ENTER.	
						NOTE:	
						Aviation Occupational (AOH&S) requirements addressed.	