E-JETS FAMILY FIRST & SECOND GENERATION

EMBRAER 170/175/190/195/ 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, 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 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:

CLAÙDIO PASSOS SIMÃO - TEN.-CEÚ.-ENG. CHEFE DA DIVISÃO DE HOMOLOGAÇÃO AERONÁUTICA

DATE: 20 FEBRUARY 2004

MMEL-1506

FEBRUARY 20, 2004 REVISION 17 – EFFECTIVE DATE – FEB 17, 2023



ANAC APPROVED MASTER MINIMUM EQUIPMENT LIST (MMEL-1506)

HIGHLIGHTS OF CHANGE

REVISION 17 - FEBRUARY 17, 2023

KEVIOION 17 - 1 EBROAKT 17, 2020			
Page	Change Description		
0.4.0	21-25-06 Ram Air Inlet Door System		
21-3	Changed item title and number installed.		
04.4	21-27-01 Forward Cargo Compartment Fan		
21-4	Removed dry-ice limitation.		
04.5	21-27-03 Forward Cargo Compartment Check Valve		
21-5	Removed dry-ice limitation.		
04.0	21-27-04 Forward Cargo Compartment Shutoff Valve		
21-6	Removed dry-ice limitation.		
23-3	23-23-00 Wireless Gatelink System/Wireless Quick Access Recorder (WQAR)		
	Changed item title to include WQAR.		
00.5	23-30-00 Passenger Address System		
23-5	Included new item (moved from 44-11-00).		
00.04-	23-51-00 Cockpit/Cabin Interphone System		
23-6 to 23-8	Changed item title and updated item to include new subitems seeking clarification.		
00.44	23-52-00 Ramp Service Interphone System		
23-11	Deleted. Moved to 23-51-00.		
	26-12-00 APU Fire/Overheat Detection System		
26-3	Changed item title and updated remarks according to system design.		
	29-12-17 System 3 Electrical Pumps Pressure Attenuator		
29-4	Updated proviso to correctly correspond to the maintenance task.		
	30-11-01 Wing Anti-Ice Valves		
30-2	Updated dispatch conditions to present the less restrictive dispatch condition first, as per MMEL philosophy.		

ANAC APPROVED MASTER MINIMUM EQUIPMENT LIST (MMEL-1506)

HIGHLIGHTS OF CHANGE

REVISION 17 - FEBRUARY 17, 2023

	<u>, </u>				
Page	Change Description				
	30-43-01 Door Sill Heater				
30-13	Removed (M) reference and updated item effectivity to include E2 models.				
	31-31-00 Digital Voice-Data Recorder (DVDR) System				
31-5	Updated proviso to consider the associated DVDR inoperative.				
24.0	31-61-03 Display Unit Advanced Graphics Module (DU AGM)				
31-9	Reincluded item.				
00.0	33-31-02 Cargo Compartment Lights Cages				
33-9	Included new item.				
33-12	33-50-21 Photoluminescent Escape Route Marking System				
to	Updated dispatch conditions of E-Jets to take advantage of				
33-13	E2 dispatch condition.				
34-7 to	34-31-00 Radar Altimeter				
34-8	Included new subitem, Radar Altimeter Filter.				
0.4.45	34-61-00 Flight Management System (FMS)				
34-15 to	Updated proviso to aware operators of the need to use the				
34-21	FMS for the desired route and updated effectivity to reinclude E2 models.				
25.44-	35-20-00 Passenger Oxygen System				
35-4 to 35-5	Included new subitem, Galley Flight Attendant Oxygen Dispensing Units.				
	35-20-02 Passenger Oxygen Box Door Electrical Latches				
35-5 to 35-6	Updated proviso to block the affected seat instead of considering it inoperative. Updated dispatch conditions to present the less restrictive				
	dispatch condition first, as per MMEL philosophy.				



ANAC APPROVED MASTER MINIMUM EQUIPMENT LIST (MMEL-1506)

HIGHLIGHTS OF CHANGE

REVISION 17 - FEBRUARY 17, 2023

Page	Change Description				
	35-20-04 Passenger Cabin Oxygen Mask				
35-7	Updated proviso to block the affected seat instead of considering it inoperative. Updated dispatch conditions to present the less restrictive dispatch condition first, as per MMEL philosophy.				
36-20	36-21-02 Engine Bleed Overheat Detection System				
to 36-21	Included a maintenance procedure that previously was a maintenance note.				
	38-11-14 Cockpit In-Flight Drainage System				
38-5	Updated dispatch conditions to break them down between E1 and E2.				
	38-13-04 Water Tank Quantity Indication Panel				
Updated provisos' terminology from "Water and Water Service Panel" to "Potable Water Service Panel". Updated provisos' terminology from "Water and Water Service Panel". Updated provisos' terminology from "Water and Water Service Panel". Updated provisos' terminology from "Water and Water Service Panel". Updated provisos' terminology from "Water and Water Service Panel". Updated provisos' terminology from "Water and Water Service Panel". Updated provisos' terminology from "Water and Water Service Panel". Updated provisos' terminology from "Water and Water Service Panel". Updated provisos' terminology from "Water and Water Service Panel". Updated provisos' terminology from "Water and Water Service Panel". Updated provisos' terminology from "Water and Water Service Panel". Updated provisos' terminology from "Water Service Panel". Updated provisos from "Water Service Pane					
	44-11-00 Passenger Address System				
44-1	Deleted. Moved to 23-30-00.				
44.4	44-13-00 Cabin Service Interphone System				
44-1	Deleted. Moved to 23-30-00.				
44.4	44-13-01 Flight Attendant Handset				
44-1	Deleted. Moved to 23-30-00.				
44-2 to	44-13-07 Flight Attendant Alerting System (Chime/Light)				
44-5	Included new dispatch conditions for Lineage 1000.				
44-	44-32-00 In-Flight Connectivity System				
44-7	Included MMEL item.				
45-45-01 Central Maintenance Computer (CMC)					
45-1	Updated item to reinclude E2 models.				

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ANAC APPROVED MASTER MINIMUM EQUIPMENT LIST (MMEL-1506)

HIGHLIGHTS OF CHANGE

REVISION 17 - FEBRUARY 17, 2023

	· -
Page	Change Description
	50-22-02 Cargo Baggage Nets
50-1	Updated dispatch conditions to present the less restrictive dispatch condition first, as per MMEL philosophy.
	50-31-00 Cargo Compartment Linings
50-2	Updated dispatch conditions to split them between damaged and missing cargo lining.
50.0	50-61-06 Forward Cargo Door Insulation Blanket
50-3	Deleted MMEL item.
52-10	52-30-20 Forward and Aft Cargo Compartment Door Gas Spring Actuators
	Updated provisos to refer to the "actuator rods" as "drive rods".
50.40	52-30-22 Forward and Aft Cargo Compartment Door Actuator Bellcranks
52-10	Updated provisos to refer to the "actuator rods" as "drive rods".
50.40	52-30-24 Forward and Aft Cargo Compartment Door Actuator Rods
52-10	Updated item title and proviso terminology to refer to "drive rods".
50.44	52-31-28 Forward and Aft Cargo Door Closing Rods
52-11	Updated item title and modified number installed to "-".

CTA APPROVED MASTER MINIMUM EQUIPMENT LIST (MMEL-1506)

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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 JanGary 03, 2005.
	32-1	Deletes item 32-33-01.	Panol.
	44-4	Editorial correction.	
	Cover page	Includes EMBRAER 190 model.	MMEL-1506 Revision 3
3 AUG 26, 05	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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REVISION NUMBER	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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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, 2009

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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 Aeronaulical Product Certification Branch

REVISION 7



ANAC APPROVED MASTER MINIMUM EQUIPMENT LIST (MMEL-1506)

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. Millio Targus



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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 Targuno
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. Allie Tonguna



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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 Aeronaulical Product Certification



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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 ítems 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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		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) 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.
- **12) Excess Items.** Excess items are those instrument and equipment items that have been installed that are redundant to the requirements of the RBHA/RBAC.

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- **13) 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.
- **14) 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.
- **15) Icing Conditions.** An atmospheric environment that may cause ice to form on the aircraft (structural) or in the engine(s) (induction).
- **16) 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).
- 17) Inoperative Components of an Inoperative System. Inoperative instrument and equipment items, which are 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).
- 18) 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.



- 19) 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.
- 20) 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).

21) "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.



- **22) 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.
- 23) 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.



- **24) 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.
- 25) 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.
- **26) 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.
- **27) 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.
- **28) 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.
- 29) (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.



- 30) (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.
- 31) 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 message levels: WARNING, CAUTION, ADVISORY and 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						
Airplan					Revision 14	Page
ERJ 170/ERJ 190			1. Repair category			21-1
Syster Seque				Num	ber installed	
No.				3. I	Number required for dispatch	
04 AID	CONDITIONING				4. Remarks and/or exceptions	8
21 AIR	CONDITIONING	1	1	l	1	
00-00	Environment Control System Synoptic Displays (MFD ECS Page)	С	2	0	(O) MFD Indications not addressed elsewhere in t MMEL may be inoperativ	
00-01	Air Management System (AMS) Channels					
-01	AMSC Channels (EMBRAER 170/175/190/195)	С	2	1	 (M) Except for ER operatione may be inoperative provided: a) AMS control channel in reverted to the operatione, and b) Flight is conducted at below FL 310. 	is ive
-02	AMSC 1 Channels (EMBRAER 190-E2)				Deleted, Revision 14.	I
-03	AMSC 2 Channels (EMBRAER 190-E2)				Deleted, Revision 14.	I
00-02	Air Management System (AMS) Controllers (EMBRAER 190-E2)				Deleted, Revision 14.	I
21-04	Foot Warmer Shutoff Valves	С	2	0		
23-00	Gasper System	D	1	0	NOTE: Any portion of the system that opera normally may be	ates
24-01	Recirculation Fans	С	2	0	(M) May be inoperative provided affected fan is deactivated.	
-01	Recirculation Fan Check Valves	С	2	0	(M) May be inoperative of provided associated fan i deactivated.	

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Airplane ED 1470/ED 1400					Revision 14	Page 21-2				
ERJ 170/ERJ 190			Repa	air c	ategory	21-2				
System & Sequence ITEM No.			2. 1							
				3. Number required for dispatch						
ALD CONDITIONING			4. Remarks and/or exceptions							
21 AIR CONDITIONING										
24-02	Recirculation Air Filters									
-A		С	2	0	May be inoperative or missing provided Recirculation Fans (RECIRC) remain selected off.					
-B		С	2	0	(M) May be inoperative or missing provided associated Recirculation Fan is deactivated.					
24-04	Recirculation System Smoke Detector				Deleted, Revision 13 (Included in item 26-16-00).					
24-06	Recirculation Fans Pushbutton	С	1	0	May be inoperative provided both Recirculation Fans are 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	С	1	0	(M) Except for ER operations, may be inoperative provided:a) Valve is secured open, andb) Air Conditioning Pack 01 is considered inoperative.					
25-03	Emergency Ram Air Check Valve	С	1	0	Except for ER operations may be inoperative open provided Air Conditioning Pack 02 is considered inoperative.					

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Airplane ERJ 170/ERJ 190		,			Revision 17	Page 21-3					
0		Repa	air c	ategory	21-3						
System & Sequence ITEM No.			2. 1	2. Number installed							
				З. Г	Number required for dispatch 4. Remarks and/or exceptions						
21 AIR CONDITIONING											
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)		1	0	(M) May be inoperative provided: a) Both doors are secure open, and b) 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 provided FWD EBAY SMK DET FAIL is not displayed on EICAS.						
26-05	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 FA not displayed on EICAS.						

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Syster		17 0/210 100	1. F			ategory				
Seque	nce	ITEM		2. 1		ber installed Number required for dispatch				
No.						4. Remarks and/or exceptions	5			
21 AIR	CON	DITIONING								
26-08	Ventil	ectronic Bay lation System :AGE 1000)								
-01	Ventil	ation Fan 1	D	1	0	May be inoperative provi IFE is used in-flight only.	ded			
-02	Ventil	ation Fan 2	С	1	0	May be inoperative provi	ded			
-03	Airflo	w Switch	С	1	0	May be inoperative provi	ded			
26-11	Temp	ectronic Bay perature Sensor RAER 190-E2/ E2)	С	1	0	May be inoperative provi- AFT EBAY SMK DET FA not displayed on EICAS.				
27-01		ard Cargo partment Fan	С	1	0	(M) May be inoperative provided:a) Fan is deactivated, arb) Live animals are not carried in the cargo compartment.	nd			

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Airplane ED I 17	0/ERJ 190				Revision 17	Page 21-5				
	U/ERJ 190	1. F	Repa	air c	ategory	21-5				
System & Sequence	ITEM		2. Number installed							
No.				3. 1	Number required for dispatch 4. Remarks and/or exception	•				
21 AIR CONDITIO	UNING				4. Nemarks and/or exception	5				
		1								
27-03 Forward C *** Compartm Valve										
-A		С	1	0	(M) May be inoperative of provided:a) Fan is deactivated, arb) Live animals are not carried in the forward cargo compartment.					
-В		С	1	0	(O) May be inoperative of provided procedures are established and used to ensure the associated compartment remains entering or is verified to contain of empty cargo handling equipment, ballast (ballating be loaded in ULDs), or Fly Away Kits. NOTE: Operator MELs in define which item approved for inclining the Fly Away Kits and which materican be used as ballast.	npty, nly st , and/ nust ns are usion kits,				

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Airplane ERJ 170/ERJ 190				Revision 17 Pag 21-6						
		Repa	air c	ategory	•					
System & Sequence ITEM		_	ber installed							
No.			3. 1	Number required for dispatch 4. Remarks and/or exceptions						
21 AIR CONDITIONING	l			4. Nemarks and/or exceptions						
	1	1	1							
27-04 Forward Cargo *** Compartment Shutoff Valve										
-A	С	1	0	 (M) May be inoperative provided: a) Valve is secured closed, b) Fan is deactivated, and c) Live animals are not carried in the forward cargo compartment. 						
-B	С	1	0	(O) May be inoperative provided procedures are established and used to ensure the associated compartment remains empty, or is verified to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs), and or Fly Away Kits.	,					
				NOTE: Operator MELs must define which items are approved for inclusion in the Fly Away Kits, and which materials can be used as ballast.						
27-09 Aft Baggage Compartment Shutoff Valves (LINEAGE 1000)	С	2	0	(M) May be inoperative provided:a) Both valves are secured closed, andb) Live animals are not carried in the baggage compartment.						

	MASTER MINIMUM EQUIPMENT LIST											
Airplane			Page									
	ERJ 170/ERJ 190	1. F	Repa	21-7								
System					ber installed							
Seque No.				3. Number required for dispatch								
04 415					4. Remarks and/or exception	S						
21 AIR	CONDITIONING	1	1									
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 secur closed, b) Ventilation system is and c) IFE is used in-flight or 	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.	ıred						

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Airplan	e ERJ 170/ERJ 190	,			Revision 14 Page 21-8						
			Rep	air c	eategory	_					
Syster Seque				Num	ber installed						
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions						
21 AIR	CONDITIONING	<u> </u>		l .	4. Remarks and exceptions						
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 secured closed, 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 secured closed, 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 procedures are established and used.						
					NOTE: Any portion of the system that operates normally may be used.						

	MASTER MINIMUM EQUIPMENT LIST										
Airplan		RJ 170/ERJ 19	0			Revision 14	Page 21-9				
Syster		NO TOPERO TO		1. Repair category							
Seque		ITEM		Number installed Number required for dispatch							
No.					J. 1	4. Remarks and/or exception	S				
21 AIR	CON	NDITIONING									
29-02	Grou	Pressure und Connection ck Valves									
-01	170/	RAER 175/190/195/ AGE 1000									
-A			С	2	1	Except for ER operations may be inoperative open provided associated Air Conditioning Pack is considered inoperative.					
-B			С	2	0	Except for ER operations may be inoperative open provided both Air Conditi Packs are considered inoperative.	1				
-C			С	2	0	May be inoperative close	ed.				
-02	EMB 195-	BRAER 190-E2/ E2	C	1	0	May be inoperative close	ed. 				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan					Revision 14	Page 21-10				
	ERJ 170/ERJ 190		1. Repair category							
System					ber installed					
Seque No.				3. I	Number required for dispatch					
04 415	CONDITIONING				4. Remarks and/or exception	S				
21 AIF	CONDITIONING	1	1	1	<u> </u>					
31-01	Cabin Pressure Control System (CPCS) Controller Channels									
-01	System Faults					- 1				
-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 Cauti EICAS message provide Outflow Valve is conside inoperative.	i on d				
-D	EMBRAER 190-E2/ 195-E2	С	-	-	(O) Except for ER operations with PRESN MAN FAIL Caution EICAS message provide a) PRESN AUTO FAIL anot displayed on the EICAS, b) Extended overwater for is prohibited, and c) Dump function of the Outflow Valve is tested before each flight.	on d: T or are light				

	MASTER MINIMUM EQUIPMENT LIST									
Airplane		J 170/ERJ 190				Revision 14	Page 21-11			
Cuatan		.5 170/LIX5 190		1. Repair category						
Syster Seque		ITEM		2. 1		ber installed				
No.					3. I	Number required for dispatch 4. Remarks and/or exception	s			
21 AIR	CONI	DITIONING		•		•				
31-02	Outflo	w Valve								
-01		RAER 75/190/195/ 2/195-E2	С	1	0	 (O) Except for ER operating may be inoperative provious. a) Outflow Valve Indication MFD operates nor b) Outflow Valve is verification open before each flight c) Extended overwater for is prohibited, and d) Flight is conducted in unpressurized configuration. 	ded: ion mally, ied ht, light			
-02	EMBF 170/1	RAER 75/190/195	С	1	0	 (M)(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is remote by Extended overwater for is prohibited, and c) Flight is conducted in unpressurized configuration. (Continued) 	light			

	MASTER MINIMUM EQUIPMENT LIST										
Airplan					Revision 14	Page					
	ERJ 170/ERJ 190		21								
Syster		1. [1. Repair category 2. Number installed								
Seque No.					Number required for dispatch						
NO.	•				4. Remarks and/or exception	s					
21 AIR	CONDITIONING										
31-02	Outflow Valve (Continued)										
-03	LINEAGE 1000										
-A		С	1	0	 (O) Except for ER operation may be inoperative provious) a) Outflow Valve Indication MFD operates nor b) Outflow Valve is verification before each flight open before each flight is prohibited, d) Auxiliary Fuel System considered inoperative and e) Flight is conducted in unpressurized configuration. 	ded: ion mally, ied ht, light n is re,					
-B		С	1	0	 (O) Except for ER operating may be inoperative provious) a) Outflow Valve is remote the is prohibited, b) Extended overwater for is prohibited, c) Auxiliary Fuel System considered inoperative and d) Flight is conducted in unpressurized configuration. 	ded: oved, light n is re,					
31-05	Outflow Valve Indication on MFD	С	2	0	3						

MASTER MINIMUM EQUIPMENT LIST										
Airplane	ERJ 170/ERJ 190				Revision 14	Page 21-13				
		1. F	21-13							
System & Sequence			I. Repair category 2. Number installed							
No.	TIEW.			3. 1	Number required for dispatch 4. Remarks and/or exception					
21 AIR C	ONDITIONING				4. Kemarks and/or exception	5				
	abin Rate of Climb dication on EICAS									
-A		С	1	0	May be inoperative provi Automatic Mode on both channels operates norma					
-B		С	1	0	Except for ER operations may be inoperative provi Outflow Valve is conside inoperative.	ded				
Pr	abin Differential essure Indication EICAS									
-A		С	1	0	 (O) May be inoperative provided: a) Cabin Altitude Indicat operates normally, and b) A table is available to convert Cabin Altitude Cabin Differential Pressure. 	nd				
-B		C	1	0	Except for ER operations may be inoperative provi Outflow Valve is conside inoperative.	ded				

	MASTER MINIMUM EQUIPMENT LIST										
Airplane					Revision 14	Page					
	ERJ 170/ERJ 190	1. F	Rena	air c	ategory	21-14					
System			2. 1								
Seque No.				3. 1	Number required for dispatch						
04 415	CONDITIONING				4. Remarks and/or exceptions	<u> </u>					
21 AIR	CONDITIONING				1						
31-11	Cabin Altitude Indication on EICAS										
-A		С	1	0	 (O) May be inoperative provided: a) Cabin Differential Presential Pres	ntial					
-B		С	1	0	Except for ER operations may be inoperative provide 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 provid 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 provid Outflow Valve is consider inoperative.	ded					
32-04	Negative Pressure Relief Valve	С	1	0	Except for ER operations may be inoperative provid Outflow Valve is consider inoperative.	ded					
	Safety Valve Indication on MFD	С	2	0							
41-00	Heated Floor Panel System (EMBRAER 170/175/190/195/ LINEAGE 1000)	D	1	0	(M) May be inoperative provided system is deactivated.						

	MASTER MINIMUM EQUIPMENT LIST										
Airplan					Revision 14	Page 21-15					
	ERJ 170/ERJ 190		1. Repair category								
Syster			2. Number installed								
Seque No.				3. 1	Number required for dispatch						
04 415	CONDITIONING				4. Remarks and/or exception	S					
21 AIR	CONDITIONING	1			<u> </u>						
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 reselected off, b) Flight is conducted at below FL 310, and c) Both Ram Air Inlet Doare considered inope 	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 rerselected off, and b) Flight is conducted at below FL 310. (Continued)	mains					

MASTER MINIMUM EQUIPMENT LIST								
Airplan					Revision 14	Page		
	ERJ 170/ERJ 190		Ren	air c	ategory	21-16		
Syster					ber installed			
Seque No.				3. 1	Number required for dispatch			
					4. Remarks and/or exception	S		
21 AIR	CONDITIONING	1	1	1	<u> </u>			
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 operating may be inoperative provious. a) Both Air Conditioning Packs remain selectes. b) Flight is conducted in unpressurized configuration, and c) Both Ram Air Inlet Doare considered inoperation. 	ded: d off, an		
-В	Airplanes without Ram Air Inlet Doors Installed	С	2	0	 (O) Except for ER operating may be inoperative provia. Both Air Conditioning Packs remain selecte and. b) Flight is conducted in unpressurized configuration. 	ded: d off,		
-03	EMBRAER 190 PR/ LINEAGE 1000							
-A	Airplanes with Ram Air Inlet Doors Installed	С	2	0	 (O) Except for ER operating may be inoperative provious. a) Both Air Conditioning Packs remain selected. b) Flight is conducted in unpressurized configuration. c) Both Ram Air Inlet Do are considered inoperand. d) The Auxiliary Fuel systis considered inoperation. (Continued) 	ded: d off, an oors rative, stem		

MASTER MINIMUM EQUIPMENT LIST									
Airplane	e ERJ 170/ERJ 190				Revision 16	Page 21-17			
			Repa	air c	ategory	21-17			
Syster Seque			2. Number installed						
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions	<u> </u>			
21 AIR	CONDITIONING				Tromano anazor exceptione	<u>-</u>			
51-00	Air Conditioning Packs (Continued)								
-03	EMBRAER 190 PR/ LINEAGE 1000 (Continued)								
-B	Airplanes without Ram Air Inlet Doors Installed	С	2	0	 (O) Except for ER operat may be inoperative provided a) Both Air Conditioning Packs remain selected b) Flight is conducted in unpressurized configuration, and c) The Auxiliary Fuel systic sconsidered inoperation. 	ded: d off, an			
-04	EMBRAER 190-E2/ 195-E2								
-A		A	2	1	 (O) One may be inoperated provided: a) Associated Air Conditioning Pack remarks selected off, b) Wing Anti-Ice System operative, c) Flight is conducted at below FL 310, and d) Repairs are made with 10 flight days. 	nains is or			

MASTER MINIMUM EQUIPMENT LIST								
Airplane ERJ 170/ERJ 19	90			Revision 16	Page 21-18			
System &				ategory	21 10			
Sequence ITEM		2. 1		nber installed Number required for dispatch				
No.			•	4. Remarks and/or exception	S			
21 AIR CONDITIONING		1	1					
51-00 Air Conditioning Packs (Continued)								
-04 EMBRAER 190-E2 195-E2 (Continued)	/							
-B	A	2	0	(O) Both may be inoperal provided: a) Both Air Conditioning Packs remain selected by Wing Anti-Ice System operative, c) Flight is conducted in unpressurized configuration, and d) Repairs are made with 10 flight days.	ed off, n is an			

MASTER MINIMUM EQUIPMENT LIST								
Airplane ED 1470/ED 1400				Revision 14	Page 21-19			
ERJ 170/ERJ 190	1. F	1. Repair category						
System & Sequence ITEM		2. Number installed						
No.			3. 1	Number required for dispatch				
21 AIR CONDITIONING				4. Remarks and/or exception	S			
21 AIR CONDITIONING		1						
51-01 Pack Flow Control Valves								
-A	С	2	1	 (M) Except for ER operatione 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) May be inoperative provided: a) Affected valves are secured closed, and b) Both Air Conditioning Packs are considered inoperative. 				

MASTER MINIMUM EQUIPMENT LIST										
Airplane					Revision 14	Page 21-20				
	ERJ 170/ERJ 190		1. Repair category							
Systen Seque			2. Number installed							
No.				3. 1	Number required for dispatch					
24 AID	CONDITIONING		ш		4. Remarks and/or exceptions	5				
ZIAIR	CONDITIONING			$\overline{}$						
51-02	Flow Sensing Venturis									
-A		С	2	1	Except for ER operations may be inoperative provious associated Air Conditioni Pack is considered inoperative.	ded				
-В		С	2	0	Except for ER operations may be inoperative provious both Air Conditioning Pagare considered inoperative	ded cks				
51-08	Water Spray Nozzles					ļ				
-A		С	2	1	Except for ER operations may be inoperative provious associated Air Conditioni Pack is not used.	ded				
-B		С	2	0	(M) May be inoperative provided affected Spray Nozzle is removed.					
-C		С	2	0	May be inoperative provious both Air Conditioning Pagare not used.					
51-23	Pack 1 (2) Pushbutton Illumination	С	2	0	(O) May be inoperative provided associated pushbutton is verified operative.					

MASTER MINIMUM EQUIPMENT LIST								
Airplane					Revision 14	Page 21-21		
	ERJ 170/ERJ 190	1. F	Repa	air c	ategory	21-21		
Syster Seque			2. 1					
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions	•		
21 AIR	CONDITIONING				4. Nemarks and/or exceptions	<u> </u>		
		1						
60-00	Temperature Control							
-01	Cockpit Temperature "SET" Indication on MFD ECS Page	С	2	0	May be inoperative provide Cockpit Temperature "ACTUAL" Indication on ECS Page operates norm	MFD		
-02	Cockpit Temperature "ACTUAL" Indication on MFD ECS Page	С	2	0	May be inoperative proving Cockpit Temperature "SE Indication on MFD ECS Forerates normally.	ET"		
-03	Passenger Cabin Zone Temperature "SET" Indication on MFD ECS Page	С	4	0	May be inoperative proving Passenger Cabin Temperature "ACTUAL" Indication on MFD ECS Foperates normally.			
-04	Passenger Cabin Zone Temperature "ACTUAL" Indication on MFD ECS Page	С	4	0	May be inoperative proving Passenger Cabin Temperature "SET" Indiction MFD ECS Page operations and ally.	ation		
61-00	Cockpit Temperature Control on Air Conditioning/ Pneumatic Panel							
-A		С	1	0	May be inoperative proving Cockpit Temperature "SE Indication on MFD ECS Fis acceptable by the flight crew.	ET" Page		
-B		С	1	0	Except for ER operations may be inoperative provided in Conditioning Pack 01 not used.	ded		

MASTER MINIMUM EQUIPMENT LIST									
Airplane	ERJ 170/ERJ 190				Revision 14	Page 21-22			
Syster	n &	1. F	Repa	air c	ategory ber installed				
Seque			2. 1						
No.				3. I	Number required for dispatch 4. Remarks and/or exceptions	<u> </u>			
21 AIR	CONDITIONING	I				<u>-</u>			
61-01	Cockpit Zone Temperature Sensor								
-A		С	1	0	May be inoperative provide Cockpit Temperature "SE Indication on MFD ECS Forerates normally.	ET"			
-B		С	1	0	Except for ER operations may be inoperative provided in Conditioning Pack 01 not used.	ded			
62-00	Passenger Cabin Zone Temperature Control								
-01	On Air Conditioning/ Pneumatic Panel								
-A		С	1	0	May be inoperative provious) a) PAX/CABIN knob on the AIR COND/PNEUMAP Panel is set to ATTNE position, and b) Temperature Control on the FAP is used to control the Passenger Cabin Zone Temperative	the TIC) knob			
-B		С	1	0	May be inoperative provided the Cabin Temperature "SET Indication on MFD ECS Fis considered inoperative	- _" Page			
					NOTE: This failure mode recognized when "SET" indication i dashed.	the			
					(Continued)				

MASTER MINIMUM EQUIPMENT LIST								
Airplane					Revision 14	Page		
	ERJ 170/ERJ 190		Repa	air c	ategory	21-23		
Syster Seque				lum	ber installed			
No.				3. 1	Number required for dispatch	•		
21 AID	CONDITIONING				4. Remarks and/or exception	5		
ZIAIN	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 I flight crew.	ECS		
-D		С	1	0	Except for ER operations may be inoperative provi Air Conditioning Pack 02 not used.	ded		
-02	On Flight Attendant Panel/CMS							
-A		С	-	0	May be inoperative provi Temperature Control kno the AIR COND/PNEUMA Panel is used.	b on		
-B		С	-	0	Except for ER operations may be inoperative provi Air Conditioning Pack 02 not used.	ded		

	MASTER MINIMUM EQUIPMENT LIST									
Airplane	ERJ 170/ERJ 190				Revision 16	Page 21-24				
Syston	n 2	1. F			ategory					
Syster Seque			2. 1		nber installed					
No.				3. 1	Number required for dispatch					
24 AID	CONDITIONING	Ш			4. Remarks and/or exceptions	5				
Z1 AIR	CONDITIONING			'	<u> </u>					
62-01	Passenger Cabin Zone Temperature Sensor									
-A		С	-	0	May be inoperative provided Passenger Cabin Zone Temperature "SET" indiction MFD ECS Page operations and approximately.	ation				
-B		С	-	0	Except for ER operations may be inoperative provid 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.	t				
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.	6				
-02	EMBRAER 190-E2/ 195-E2									
-A		С	3	0	May be inoperative provious Trim Air Pressure Regulativalve is operative.					
-B		С	3	0	May be inoperative provious Trim Air Pressure Regulativalve 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.					

MASTER MINIMUM EQUIPMENT LIST								
Airplan					Revision 16	Page 22-1		
	ERJ 170/ERJ 190		1. Repair category					
Syster Seque			2. Number installed					
No				3. I	Number required for dispatch			
00 411	TO ELIQUE CONTRO				4. Remarks and/or exception	S		
22 AU	TO FLIGHT CONTRO	LS	1		IVI 			
00-00	Autopilot System	В	1	0	May be dispatched with A FAIL Caution EICAS mes provided procedures do require its use.	ssage		
-01	System Faults (EMBRAER 190-E2/ 195-E2)	Α	-	-	 (O) May be dispatched water AP FAULT Advisory EIC. message provided: a) Both AP DISC buttons verified to operate normally, and b) Repairs are made with 10 calendar-days. 	AS s are		
					NOTE: If one AP DISC to is inoperative, ref MMEL item 22-1: Autopilot Disconr (AP DISC) Buttor	fer to 1-04 nect		
10-00	Autopilot Channels (EMBRAER 170/175/190/195/ LINEAGE 1000)	А	2	1	 (M) May be dispatched w AP FAULT Advisory EIC message provided: a) Both AP/TRIM DISC buttons are verified to operate normally, and b) Repairs are made wit 10 calendar-days. 	AS O I		
10-01	Autoland 1 (Airplanes with Autoland capability)	С	1	0	May be inoperative provi operations do not require use.			
10-02 ***	Autoland 2 (EMBRAER 170/175/190/195/ LINEAGE 1000)	С	1	0	May be inoperative provi operations do not require use.			
10-12	Mach Trim Channels (EMBRAER 190/195/ LINEAGE 1000)	В	2	1				

MASTER MINIMUM EQUIPMENT LIST									
Airplane	e ERJ 170/ERJ 190		Revision 14 P						
			1. Repair category						
Syster Seque				Num	ber installed				
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions				
33 VII.	TO FLIGHT CONTRO		ve	TE		<u> </u>			
					IVI				
10-14	Yaw Damper Channels (EMBRAER 170/175/190/195/ LINEAGE 1000)	В	2	1					
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 on not require its use, antibolic Alternate procedures established and used.	do d are			
11-01	Guidance Panel (GP)								
-01	GP Channels								
-A	EMBRAER 170/175/190/195/ 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. 	GA ons rative, are			
-B	EMBRAER 190-E2/ 195-E2	С	2	1	 (O) One may be inoperated provided: a) Associated side TO/G and AP DISC buttons considered inoperative and, b) Alternate procedures established and used. (Continued) 	GA are e, are			

MASTER MINIMUM EQUIPMENT LIST									
Airplane	ERJ 170/ERJ 190				Revision 14	Page 22-3			
2 1		_	₹ера	air c	ategory	ZZ-3			
Systen Seque				Num	ber installed				
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions	•			
22 ΔU	TO FLIGHT CONTRO	I S							
			-	<u> </u>					
11-01	Guidance Panel (GP) (Continued)								
-02	Flight Director (FD) Buttons	С	2	0		ļ			
-03	Autopilot Button								
-A	AP Button (EMBRAER 170/175/190/195/ LINEAGE 1000)	В	1	0	May be inoperative provious operations do not require use.				
-B	AUTOPILOT Button (EMBRAER 190-E2/ 195-E2)	В	1	0	May be inoperative provious operations do not require use.				
-04	Yaw Damper (YD) Button (EMBRAER 170/175/190/195/ LINEAGE 1000)				Deleted, Revision 13.				
-05	Source (SRC) Button	С	1	0		ļ			
-06	Airspeed to Mach (PUSH IAS-MACH) Change Button	С	1	0					
-07	Lateral Navigation Mode Button								
-A	NAV Button (EMBRAER 170/175/190/195/ LINEAGE 1000)	С	1	0	May be inoperative proviouse.				
-B	LNAV Button (EMBRAER 190-E2/ 195-E2)	С	1	0	May be inoperative proviouse. (Continued)				

MASTER MINIMUM EQUIPMENT LIST										
Airplane	ERJ 170/ERJ 190				Revision 14	Page 22-4				
Cueten		1. F			ategory					
Systen Seque			2. 1	lum	ber installed					
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions	•				
22 411	TO FLIGHT CONTRO		VC	TE	•	<u> </u>				
22 AU	TO FLIGHT CONTRO	LJ	13	-						
11-01	Guidance Panel (GP) (Continued)									
-08	Heading (HDG) Mode Button	С	1	0	(O) May be inoperative provided alternate procedure established and used					
-09	Approach Mode Button									
-A	APP Button (EMBRAER 170/175/190/195/ LINEAGE 1000)	С	1	0	May be inoperative provious operations do not require use.					
-B	APPR Button (EMBRAER 190-E2/ 195-E2)	С	1	0	May be inoperative provious operations do not require use.					
-10	Bank Limiter (BANK) Button	С	1	0	(O) May be inoperative provided alternate procedure established and used					
-11	Heading Selector (HDG SEL) Knob	С	1	0	(O) May be inoperative provided alternate procedure established and used					
-12	Heading Synchronization (PUSH SYNC) Button	С	1	0						
-13	Flight Level Change (FLCH) Mode Button	С	1	0	May be inoperative provious operations do not require use.					
-14	Vertical Navigation (VNAV) Mode Button	С	1	0	May be inoperative provious operations do not require use.					
-15	Altitude Hold (ALT) Mode Button	С	1	0	May be inoperative provious operations do not require use. (Continued)					

MASTER MINIMUM EQUIPMENT LIST										
Airplane					Revision 14	Page 22-5				
	ERJ 170/ERJ 190		Repa	air c	ategory	22-5				
Syster Seque				Num	ber installed					
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions					
22 AII	TO FLIGHT CONTRO									
ZZ AU	TO FLIGHT CONTING	LS	13	<u> </u>	<u> V </u>					
11-01	Guidance Panel (GP) (Continued)									
-16	Feet to Meter (PUSH FT-M) Change Button	С	1	0	May be inoperative provious operations do not require use.					
-17	Flight Path Angle (FPA) Mode Button	С	1	0	May be inoperative provious operations do not require use.					
-18	Flight Path Angle Selector (FPA SEL) Knob (EMBRAER 170/175/190/195/ LINEAGE 1000)	С	1	0	May be inoperative proviouse.					
-19	Vertical Speed (VS) Mode Button	С	1	0	May be inoperative proviouse.					
-20	Selector Thumb Wheel									
-A	Vertical Speed (VS DN/UP) Selector Thumb Wheel (EMBRAER 170/175/190/195/ LINEAGE 1000)	С	1	0	May be inoperative proviouse.					
-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 proviouse.					
					(Continued)					

MASTER MINIMUM EQUIPMENT LIST										
Airplane					Revision 14	Page				
	ERJ 170/ERJ 190		Repa	air c	 ategory	22-6				
Syster Seque			_	lum	ber installed					
No.				3. 1	Number required for dispatch					
22 411	TO FLICHT CONTRO		VC	TE	4. Remarks and/or exceptions	5				
22 AU	TO FLIGHT CONTRO	LS	13	IE	VI					
11-01	Guidance Panel (GP) (Continued)									
-21	Autothrottle (A/T) Button	В	1	0	May be inoperative provious Autothrottle Channels are considered inoperative.					
11-02	Autopilot/Trim Disconnect (AP/TRIM DISC) Buttons (EMBRAER 170/175/190/195/ LINEAGE 1000)				Deleted, Revision 13.					
11-03	Autopilot/Flight Director Touch Control Steering (AP/FD TCS) Buttons	С	2	0						
11-04	Autopilot Disconnect (AP DISC) Buttons (EMBRAER 190-E2/ 195-E2)									
-A		С	2	1	One may be inoperative of the non-flying pilot's side provided: a) Autopilot is not used be 1500 ft AGL, and b) Approach minimums of not require the use of autopilot.	elow do				
-B		В	2	0	May be inoperative provious autopilot is not used.	ded				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190)			Revision 14	Page 22-7				
Syster					eategory					
Seque No.	nce ITEM		2. [ber installed Number required for dispatch					
					4. Remarks and/or exception	S				
22 AU	TO FLIGHT CONTRO)LS	YS	IE	M 					
30-00	Autothrottle Channels									
-A		С	2	1						
-B		В	2	0	May be inoperative provi AT is not used.	ded				
30-12	Autothrottle Disconnect Buttons									
-A		С	2	1						
-B		В	2	0	May be inoperative provi both Autothrottle Channe are considered inoperati	els				
30-15	Electronic Thrust Trim System (ETTS)	В	1	0	May be inoperative provi both Autothrottle Channe are considered inoperation	els				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan		70/ERJ 190				Revision 14	Page 23-1			
Syste		70/EKJ 190				ategory	23-1			
Seque	nce	ITEM		2. 1		ber installed Number required for dispatch				
No	•					4. Remarks and/or exceptions	5			
23 CO	MMUNICA	TIONS	<u> </u>	ı	1					
11-00	High Freq (HF) Com System	uency munication								
-A			D	-	-	Any in excess of those required by local regulation may be inoperative.	ons			
-B			C		1	(O) May be inoperative we conducting operations the require two Long Range Communication Systems (LRCS) provided: a) Aircraft SATVOICE syoperates normally, b) SATVOICE services a available as a LRCS of the intended route of the intended route of the communications equipment status of the aircraft, and d) Alternate procedures established and used.	eat vstem are over flight, is to			

MASTER MINIMUM EQUIPMENT LIST									
Airplane					Revision 14	Page			
	ERJ 170/ERJ 190		Rena	air c	ategory	23-2			
System Sequer			2. Number installed						
No.	ice IIEW			3. 1	Number required for dispatch				
22.00					4. Remarks and/or exceptions	5			
23 COI	MMUNICATIONS	l	1						
12-00	Very High Frequency (VHF) Communication System								
-A		D	-	1	Any in excess of those required by local regulation may be inoperative proving a) VHF 1 operates normand b) Procedures do not recits use.	ded: ally,			
-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 referency visual landmarks, c) Applicable airspace requirements for the intended flight route a complied with, and d) Alternate procedures established and used applicable. 	ally, cted s e to re			
-C		С	-	2	(O) Any in excess of two, be inoperative provided alternate procedures are established and used, if applicable.	may			

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190)			Revision 17	Page 23-3					
Cueter			Repa	air c	category	20-0					
Syster Seque			2. 1		ber installed						
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions	<u> </u>					
23 CO	MMUNICATIONS			l	Tricinance analor exceptions	-					
	Satellite Communication System (SATCOM)										
-A		С	-	0	(O) May be inoperative provided alternate procedure established and used						
-B		D	-	0	May be inoperative provided procedures do not require its 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 proviouse.						
23-00	Wireless Gatelink System/Wireless Quick Access Recorder (WQAR) (EMBRAER 170/175/190/195/ 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 proced are established and used						
-B		D	-	0	May be inoperative proviouse.						

	MASTER MINIMUM EQUIPMENT LIST									
Airplane		70/ED I 100				Revision 17	Page 23-4			
		70/ERJ 190	1. F	1. Repair category						
Syster Seque		ITEM	ì	2. 1	lum	ber installed				
No.		I I LIVI			3. N	Number required for dispatch				
23 CO	MMUNICA	TIONS				4. Remarks and/or exceptions	<u> </u>			
23 00	IVIIVIOIVICA	TIONS								
24-01	Printer									
-A			С	1	0	(O) May be inoperative provided alternate proced are established and used				
-B			D	1	0	May be inoperative provide procedures do not require use.				
25-00	Controller Datalink Communi System (FANS 2-0 ATN-CPD	cation								
-A			С	1	0	(O) May be inoperative provided alternate proced are established and used				
-B			D		0	May be inoperative provide procedures do not require use.				

	MASTER MINIMUM EQUIPMENT LIST								
Airplan	e ERJ 170/ERJ 19	^			Revision 17	Page			
			Repa	air c	ategory	23-5			
Syster Seque				Num	ber installed				
No.				3. 1	Number required for dispatch				
20.00	MANULLU A TIONO				4. Remarks and/or exceptions	3			
23 CO	MMUNICATIONS	1	ı	I	<u> </u>				
30-00	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 loc regulations, and b) Alternate, normal and emergency procedure and/or operating restrictions are establiand used. 	s, 			
					NOTE: Any station function that operate norm 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 procedure and/or operating restrictions are establi and used, and b) Flight attendant alertin system (chime or light operates normally. NOTE: Any station function that operate normally be used. 	shed 			

MASTER MINIMUM EQUIPMENT LIST									
Airplane	e ERJ 170/ERJ 190				Revision 17	Page 23-6			
Cueten		1. F	Repa	air c	ategory	200			
Syster Seque			2. N		ber installed				
No.	ı			3. r	Number required for dispatch 4. Remarks and/or exceptions	 S			
23 CO	MMUNICATIONS								
51-00	Cockpit/Cabin Interphone System								
-A		D	-	-	Any in excess of those required may be inoperat provided procedures do require their use.				
-B		С	-	-	(O) Any in excess of thos required may be inoperat provided alternate procedure established and used	tive dures			
-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 frits assigned area or fr the nearest assigned are operative, and b) Alternate procedures established and used, c) Flight deck call chime operates normally. 	om om area are and			
-B	LINEAGE 1000	D			(O) May be inoperative provided operating rules not require its use. NOTE: Any station function that operate norm may be used. (Continued)	ion(s)			

	MASTER MINIMUM EQUIPMENT LIST									
Airplane	e ERJ 170/ERJ 190				Revision 17	Page 23-7				
	_		1. Repair category							
Syster Seque				lum	ber installed					
No.				3. N	Number required for dispatch 4. Remarks and/or exceptions	•				
23 CO	MMUNICATIONS	l .			4. Remarks and/or exceptions	<u> </u>				
51-00	Cockpit/Cabin Interphone System (Continued)									
-02	Cabin to Cabin Functions (EMBRAER 170/175/190/195/ 190-E2/195-E2)	В	1	0	(O) May be inoperative provided alternate procedure established and used					
		NOTE: Any station function(s) that operate normally may be used.								
-03	Flight Deck to Ground, Ground to Flight Deck Functions									
-A		С	1	0	(O) May be inoperative provided alternate procedure established and used					
					NOTE: Any portion of sy which operates normally may be	İ				
-B		D	1	0	May be inoperative provi- procedures do not requir- use.					
					NOTE: Any portion of sy which operates normally may be	İ				
					(Continued)					

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190	,			Revision 17	Page 23-8				
			Repa	23-0						
Syster Seque				Num	ber installed					
No.				3. 1	Number required for dispatch 4. Remarks and/or exception	•				
23 CO	MMUNICATIONS	<u> </u>			4. Nemarks and/or exception	3				
			1							
51-00	Cockpit/Cabin Interphone System (Continued)					 				
-04	Flight Attendant Handset	С	-	-	(O) May be inoperative a non-required cabin crew					
-A	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 fi its assigned area or fi the nearest assigned are operative, and b) Operative handsets a located at operative crew seats, and c) Alternate procedures established and used 	rom rom area re abin are				
-B	LINEAGE 1000	D	-		Any in excess of those required by local regulati may be inoperative.	ons				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan		RJ 170/ERJ 190				Revision 17	Page 23-9			
Syster						ategory	1 200 1			
Seque	nce	ITEM		2. 1		ber installed Number required for dispatch				
No	•					4. Remarks and/or exceptions	s			
23 CO	MMU	NICATIONS	1							
51-01	Syst	kpit Alerting em me/Light)								
-01	Ligh	nt Deck Call ts (CAB/EMER) Digital Audio els	В	6	0	 May be inoperative provious a) Flight deck call chime operates normally, an b) Flight deck call chime differentiates between normal and emergencialls. 	d n			
51-02	Cocl	kpit Speakers	С	2	0	May be inoperative provia a) Procedures do not recits use, and b) Associated Headset earphones or headphare installed and oper normally.	quire ones			

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190				Revision 17	Page 23-10	١			
			Repa	air c	ategory	23-10				
Syster Seque				Num	ber installed					
No.				3. 1	Number required for dispatch 4. Remarks and/or exception					
23 CO	MMUNICATIONS	<u> </u>			4. Remarks and/or exceptions	<u> </u>				
		1	l							
51-03	Push To Talk (PTT) Switches									
-01	PTT MIC Switch on Glareshield Panel									
-A		С	2	0	 (O) May be inoperative provided: a) Associated PTT/HOT Switch on Yoke opera normally, and b) Affected switch is verifailed open (nontransmitting position). 	ites				
-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 Yoke									
-A		С	2	0	 (O) May be inoperative provided: a) Associated PTT MIC Switch on Glareshield Panel operates normal and b) Affected switch is verifailed open (nontransmitting position). 	ally,				
-B		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										
Airplan	e ERJ 170/ERJ 190					age 8-11					
System		1. F			ategory	,-11					
Syster Seque			2. 1		ber installed Number required for dispatch						
No.				3. r	4. Remarks and/or exceptions						
23 CO	MMUNICATIONS				•						
51-08	Flight Deck Headsets/ Headphones	D	-	-	Any in excess of those required by local regulations may be inoperative.	5					
-01	Headset Boom Microphones	Α	ı	0	May be inoperative provided a) Associated hand microphone is installed and operates normally, and b) Repairs are made within three flight days.						
-02	Headset Earphones/ Headphones	С	1	1	May be inoperative provided associated flight deck speak operates normally.						
-03	Active Noise Cancelling/ Reduction Function	D	ı	0	May be inoperative provided normal audio function of headset is operative.	d					
51-11	Cockpit Hand Microphones										
-A		С	1	0	May be inoperative or missi provided associated boom microphones operate normally.	ng					
-B		D	1	0	Any in excess of those required by local regulations may be inoperative.	5					
52-00	Ramp Service Interphone System				Deleted. Revision 17 (Included in item 23-51-00).						
54-03	SATCOM Cockpit Phone (LINEAGE 1000)	D	ı	0	(O) May be inoperative provided the system is inhibited.						

	MASTER MINIMUM EQUIPMENT LIST									
Airplan		\			Revision 14	Page				
	ERJ 170/ERJ 190		Rep	air c	ategory	24-1				
Syster Seque			2. Number installed							
No				3. I	Number required for dispatch					
24 51	TOTRICAL DOWER			<u> </u>	4. Remarks and/or exception	<u>s</u>				
24 EL	ECTRICAL POWER	1	l	1						
00-00	Electrical Synoptic Displays (MFD Electrical Page)	С	2	0	(O) MFD Indications not addressed elsewhere in MMEL may be inoperative					
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		С	4	0	 (M) May be inoperative provided: a) Battery voltage indica is available on MFD Electrical Page, and b) Affected battery voltage checked on MFD Electrical Page during each power. 	ge is ctrical				
21-01	Engine Driven Generator (IDG, GCU, GLC) EMBRAER 170/175/190/195/ LINEAGE 1000	Α	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 remiselected OFF, c) Flight is conducted at below FL 330, and d) Repairs are made with flight days. (Continued)	tes nains or				

MASTER MINIMUM EQUIPMENT LIST									
Airplan		RJ 170/ERJ 190				Revision 16	Page		
		KJ 1/0/EKJ 190		Rena	air c	ategory	24-2		
Syster		ITEM				ber installed			
Sequence ITEM No.				3. 1	Number required for dispatch				
04 51		NOAL DOWED				4. Remarks and/or exception	S		
24 EL	ECTE	RICAL POWER	1	I		<u> </u>			
21-01	Gen (IDC	ine Driven erator S, GCU, GLC) ntinued)							
-B	EMI 195	BRAER 190-E2/ -E2	В	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, and c) Flight is conducted at below FL 390. 	tes nains		
22-01	Syst	J Generator tem (APU GEN, CU, ALC)	С	1	0	Except for ER operations may be inoperative provided APU generator remains selected off.			
24-00	(EM 170	ic Inverter BRAER /175/190/195/ EAGE 1000)	С	1	0	(O) May be inoperative provided the APU generates normally and is on takeoff and landing.			
36-10	Tem	eries 1 and 2 nperature sors	С	4	2	One sensor per battery reperior be inoperative provided a least one temperature indication of associated battery on Electrical Syn Display (MFD Electrical is verified to operate nor before each flight.	optic Page)		

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Airplane	ERJ 170/ERJ 190				Revision 14	Page 24-3					
0			Зера	air c	ategory	24-3					
Syster Seque			2. 1		ber installed						
No.				З. Г	Number required for dispatch 4. Remarks and/or exceptions	<u> </u>					
24 ELE	ECTRICAL POWER										
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/ LINEAGE 1000	С	1	0	(M) May be inoperative provided the system is deactivated.						
-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 procedure 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)						

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190				Revision 14	Page 24-4				
0			Repa	air c	ategory	24-4				
Syster Seque				lum	ber installed					
No.				3. Г	Number required for dispatch 4. Remarks and/or exception	s				
24 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 procedure established and used					
-07	External AC Power Receptacle Shield	С	1	0	(M) May be cracked or damaged provided rema shield prevents misaligned GPU connection.	ining ed				
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 Sis considered inoperation (Continued) 	ystem				

	MASTER MINIMUM EQUIPMENT LIST									
Airplane	e ERJ 170/ERJ 190				l l	age 4-5				
0			1. Repair category							
Syster Seque				Num	ber installed					
No.	•			ა. 1	Number required for dispatch 4. Remarks and/or exceptions					
24 ELI	ECTRICAL POWER									
42-01	External Power Module (EMBRAER 190-E2/ 195-E2) (Continued)									
-02	Airplanes with DC External Power System installed					 				
-A		С	1	0	 May be inoperative provided a) AC External Power System is considered inoperative and b) DC External Power System is considered inoperative. 	em İ				
-B		C	1	0	 (M) May be inoperative provided: a) External Power Module is removed, b) AC External Power System is considered inoperative and c) DC External Power System is considered inoperative. 	i em				

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Airplane	e ERJ 170/ERJ 190				Revision 14	Page 24-6				
		_	Repa	air c	ategory	24-0				
Syster Seque				lum	ber installed					
No.				3. 1	Number required for dispatch 4. Remarks and/or exception					
24 FI F	ECTRICAL POWER				4. Nemarks and/or exception	3				
52-01	Circuit Breaker Monitoring System	В	1	0	 (M) May be inoperative provided: a) If a thermal Circuit Bris affected, its monito verified to be inoperated by System associated with the Circuit Breaker is verified to operate no 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	In-Flight Entertainment System (IFE) Auto Shutdown Function (EMBRAER 170/175/190/195/ LINEAGE 1000)	C	1	0	(O) May be inoperative provided IFE Button is veo operative before each flight					

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				Revision 14	Page 24-7					
		Repa	air c	ategory	24-1					
			3. 1							
ECTRICAL DOWER				4. Kemarks and/or exception	5					
Electrical Outlets										
Cockpit AC Electrical Outlet										
	С	1	0							
	D	1	0							
Avionics Compartment Electrical Outlet	D	1	0							
Galley/Wardrobe Electrical Outlet	D	-	0							
Aft Baggage Compartment Electrical Outlet (LINEAGE 1000)	D	1	0							
Cabin AC Electrical Outlets	D	-	0							
Secondary Power Distribution Assembly (EMBRAER 190-E2/ 195-E2)										
System Faults	В	1	-	May be dispatched with S FAULT Advisory EICAS message displayed.	SPDA					
	ERJ 170/ERJ 190 M & ITEM ECTRICAL POWER Electrical Outlets Cockpit AC Electrical Outlet Avionics Compartment Electrical Outlet Galley/Wardrobe Electrical Outlet Aft Baggage Compartment Electrical Outlet (LINEAGE 1000) Cabin AC Electrical Outlets Secondary Power Distribution Assembly (EMBRAER 190-E2/ 195-E2)	ERJ 170/ERJ 190 m & ITEM ECTRICAL POWER Electrical Outlets Cockpit AC Electrical Outlet Compartment Electrical Outlet Galley/Wardrobe Electrical Outlet Aft Baggage Compartment Electrical Outlet Aft Baggage Compartment Electrical Outlet (LINEAGE 1000) Cabin AC Electrical Outlets Secondary Power Distribution Assembly (EMBRAER 190-E2/ 195-E2)	ECTRICAL POWER Electrical Outlets Cockpit AC Electrical Outlet Compartment Electrical Outlet Galley/Wardrobe Electrical Outlet Aft Baggage Compartment Electrical Outlet Aft Baggage Compartment Electrical Outlet (LINEAGE 1000) Cabin AC Electrical Outlets Secondary Power Distribution Assembly (EMBRAER 190-E2/ 195-E2)	ERJ 170/ERJ 190 m & ITEM 2. Num 3. I ECTRICAL POWER Electrical Outlets Cockpit AC Electrical Outlet C - 0 Avionics Compartment Electrical Outlet Galley/Wardrobe Electrical Outlet Aft Baggage Compartment Electrical Outlet Aft Baggage Compartment Electrical Outlet (LINEAGE 1000) Cabin AC Electrical Outlets Secondary Power Distribution Assembly (EMBRAER 190-E2/ 195-E2)	Revision 14 Revision 14 Revision 14 Revision 14 Revision 14 Revision 14 Revision 14 Revision 14 Revision 14 Revision 14 Remarks and/or exception Revision 14 Remarks and/or exce					

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Airplane	e ERJ 170/ERJ 190				Revision 14	Page 25-1					
_			Repa	air c	ategory	20-1					
Syster Seque				lum	ber installed						
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions	•					
25 FQ	UIPMENT/FURNISHII	NG:	3		4. Remarks and/or exceptions	<u> </u>					
10-05	Eye Position Indicator	С	1	0	May be inoperative or missing.						
10-07	Cockpit Convenience Item(s) (except for operators with NEF Program approved)	D	-	0	Cockpit convenience item expressed in this MMEL 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					
10-09	Chart Holder										
-A		С	-	2	May be inoperative or mi provided one is available each pilot station.						
-B		D	-	0	May be inoperative or mi provided operations do n require its use.						
11-01	Pilot Seats										
-01 -A	Vertical Power Seat Adjustment Systems	С	2	0	(M) May be inoperative						
					provided: a) Affected system is deactivated, and b) Vertical manual seat adjustment system operates normally. (Continued)						

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Airplane					Revision 14	Page				
	ERJ 170/ERJ 190	1 6	25-2 1. Repair category							
System			2. Number installed							
Seque No.				3. 1	Number required for dispatch					
05 50	UDMENT/FUDNICUIA	100	-		4. Remarks and/or exceptions	S				
25 EQ	UIPMENT/FURNISHIN	NG:	<u> </u>							
11-01	Pilot Seats (Continued)									
-01	Vertical Power Seat Adjustment Systems (Continued)									
-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				
-02	Vertical Manual Seat Adjustment Systems									
-A		С	2	0	May be inoperative provious vertical power seat adjus 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/ LINEAGE 1000)	С	2	0	May be inoperative provious backup system operates normally. (Continued)	ded				

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Airplan	e ERJ 170/ERJ 190				Revision 14	Page 25-3						
Syster Seque	n &			Num	ategory ber installed							
No.				3. [Number required for dispatch 4. Remarks and/or exception	s						
25 EQ	UIPMENT/FURNISHII	NGS	3									
11-01	Pilot Seats (Continued)											
-04	Lateral Seat Adjustment Systems (EMBRAER 170/175/190/195/ LINEAGE 1000)	С	2	0	May be inoperative provi backup system operates normally.	ded						
-05	Lumbar Supports Adjustments	С	2	0	May be inoperative provi seat is acceptable to affe crewmember.							
-06	Armrests	С	4	0	(M) May be inoperative provided:a) Affected armrest is stinction in the retracted position andb) Seat is acceptable to affected crewmember	on,						
-07	Recline Functions	С	2	0	May be inoperative provi seat 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 provi seat is acceptable to the affected crewmember.	ded						

MASTER MINIMUM EQUIPMENT LIST									
Airplane ED 1470/ED 1400				Revision 14	Page				
ERJ 170/ERJ 190		Ren	air c	ategory	25-4				
System & Seguence ITEM				ber installed					
Sequence ITEM No.			3. I	Number required for dispatch					
		<u> </u>		4. Remarks and/or exception	S				
25 EQUIPMENT/FURNISHII	NG:	<u> </u>	1	<u> </u>					
11-02 Observer Seat (Including Associated Equipment)									
-A	A	1	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 f				
-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 officia duties, and c) Repairs are made wit two flight days.	afety t and the				
				NOTE 1: These provisor intended to profor occupancy the above sea an inspector with the minimum equipment (or and safety be functional and inspector determines the conditions to be acceptable. (Continued)	ovide of of at by when safety kygen lt) is I the				

	MASTER MINIMUM EQUIPMENT LIST										
Airplan					Revision 14	Page 25-5					
	ERJ 170/ERJ 190		Repa	air c	ategory	25-5					
Syster Seque				Num	ber installed						
No.				3. 1	Number required for dispatch						
25 EO	IIIDMENT/ELIDNICHII		•		4. Remarks and/or exception	15					
23 EQ	UIPMENT/FURNISHII	NG3	<u> </u>	1							
11-02	Observer Seat (Including Associated Equipment) (Continued)										
-B	(Continued)				NOTE 2: The pilot-in- command will determine if t minimum safe equipment is functional for persons auth to occupy the observer sea	he ety other orized					
12-15	Sun Visors	С	2	0	May be inoperative or m provided there are no vis restrictions to affected crewmember.						
12-17	Direct Vision Window Sunshades	С	2	0	May be inoperative or m provided there are no vis restrictions to affected crewmember.						
13-03	Crew Baggage Stowage Straps in the Cockpit	D		0	May be inoperative or m provided crew baggage stowed in an alternate location.						

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 19	n			Revision 14	Page 25-6				
Syster Seque No	n & nce ITEM			Num	category sber installed Number required for dispatch 4. Remarks and/or exception	•				
25 EQ	UIPMENT/FURNISH	NGS	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. c) Any emergency equipocated in affected compartment is consitinoperative, 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	ERJ 170/ERJ	190			Revision 14	Page 25-7					
Syster Seque No.	n & nce ITEM			Num	ategory ber installed Number required for dispatch 4. Remarks and/or exception						
25 EQ	UIPMENT/FURNIS	SHINGS	3			<u>,=</u>					
	Overhead Storage Bin(s)/Cabin and Galley Storage Compartments/ Closets (Continued)										
-B		C			 (M)(O) May be inoperative provided: a) For non-retractable desificated door is remoted by For retractable doors affected door is remoted in the retractive (fully open) position, c) Affected bin, comparted or closet is not used featured in the storage of any items, except those permanted affixed, d) Affected bin, comparted or closet is prominent placarded "DO NOT to the procedures are established and used alert crewmembers at passengers of inoperbins, compartments of closets, and f) Passengers are briefee that affected bin, compartment or close not used. (Continued) 	oors, ved, ved acted ment or ently "ment tly USE", to nd ative or					

	MASTER MINIMUM EQUIPMENT LIST											
Airplane	e ERJ 170/ERJ 190				Revision 1	14	Page 25-8					
			Repa	air c	ategory		25-0					
Syster Seque				Num	ber installed							
Seque No.				3. 1		ired for dispatch						
					4. Remarks	and/or exceptions	S					
25 EQ	UIPMENT/FURNISHII	NGS	3	ı	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 is considered inoperative.	are entire					
					NOTE 2:	Any emergence equipment local in the affected compartment closet (permanently affixed) is available for use.	ated bin, or					
-01 ***	Storage Compartment Key Locks	D	-	0	unlocked	e inoperative ir position provide be secured by	ed					
20-03	Cabin/Galley Storage Latches (Dual Latch Installations)	С	-	-	One latch may be in	per compartme operative.	ent					
20-05	"Fasten Seat Belt While Seated" Signs or Placards	С	-	-	may be ille provided a placard is	ore signs or pla egible or missir a legible sign or readable from passenger seat	ng each					

	MASTER MINIMUM EQUIPMENT LIST									
Airplan		470/ED 1400				Revision 14	Page			
	EKJ	170/ERJ 190		2en:	air c	ategory	25-9			
Syster		17514				ber installed				
Seque No.		ITEM				Number required for dispatch				
	•					4. Remarks and/or exception	s			
25 EQ	UIPMEN	IT/FURNISHIN	NG:	3	_					
20-07	Passen Conven Item(s)	ger ience / NEF				NOTE: Operators are to select either Passenger Convenience Iter NEF (Non- Esser Equipment and Furnishings) in th MELs.	ntial			
-01	Passen Conven	ger ience Item(s)	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 14	Page 25-10				
	ERJ 170/ERJ 190		Rep	air c	ategory	25-10				
Syster Seque				Num	ber installed					
No				3. 1	Number required for dispatch					
05 50	LUDMENT/EUDAUGUU	100			4. Remarks and/or exception	S				
25 EQ	UIPMENT/FURNISHII	NG	<u> </u>	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 ed, flight				
					NOTE: Exterior lavatory ashtrays are not considered NEF items.	door				
21-10	Passenger Seat(s)	D	-	-	 (M) May be inoperative provided: a) Seat does not block a Emergency Exit, b) Seat does not restrict passenger from accethe 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										
Airplan		70/ERJ 190				Revision 1	4	Page 25-11			
Cuetes		70/ER3 130	1. F	Repa	air c	ategory		25-11			
Syster Seque		ITEM		2. 1		ber installed					
No.					3. Г		ired for dispatch and/or exceptions	s			
25 EQ	UIPMENT/	FURNISHIN	IGS	3							
21-10	Passenge (Continue					NOTE 1:	A seat with an inoperative se belt is consider inoperative.	at			
						NOTE 2:	Inoperative se do not affect the required number Flight Attenda	he oer of			
						NOTE 3:	Affected seat(may include the seat(s) behind and/or adjaced outboard seat	ne d nt			
-01	Recline M	lechanism									
-A			D	1	1	seat occup	e inoperative a pied provided s the full uprigh	eat is			
-B			D	1	-	occupied	operative and sorovided seat be be in full upriged)	ack			

	MASTER MINIMUM EQUIPMENT LIST										
Airplan					Revision 14	Page					
	ERJ 170/ERJ 190		Rep	air c	ategory	25-12					
Syster Seque			2. 1	Num	ber installed						
No.				3. 1	Number required for dispatch						
					4. Remarks and/or exception	S					
25 EQ	UIPMENT/FURNISHII	NG:	<u>5</u>	ı							
21-10	Passenger Seat(s) (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 Corew of inoperative restraining bar. 	rative , and					
-03	Armrests										
-A	Armrest with Recline Mechanism	D	-	-	 (M) May be inoperative of missing and seat occupied provided: a) Armrest does not blood 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 crict rcraft seat					
-B	Armrest without Recline Mechanism	D	-	-	May be inoperative or mi and seat occupied provid a) Armrest does not block Emergency Exit, and b) Armrest does not rest any passenger from access to the main ai aisle. (Continued)	ded: ck an rict					

	MASTER MINIMUM EQUIPMENT LIST										
Airplane		RJ 170/ERJ 190				Revision 16	Page 25-13				
0		17 0/ERO 130	1. F	Repa	air c	ategory	20-10				
Syster Seque		ITEM		2. N		ber installed					
No.					З. Г	Number required for dispatch 4. Remarks and/or exception	 S				
25 EQ	UIPME	ENT/FURNISHIN	IGS	3			-				
21-10		enger Seat(s) inued)									
-04	Mech	Translation anism EAGE 1000)	С	-	0	(M) May be inoperative provided seat is positione and secured in the appropriate position for T Takeoff and Landing.					
-05 ***	Head Adjus	rest stments	D	-	-	May be inoperative and soccupied provided headr remains in the stowed position.					
21-20	Seat		С		0	 (M)(O) May be missing of inoperative provided: a) No passengers are cased as authorized as autho	arried, sons zed or ng oe ally or octed are				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan					Revision 16	Page				
	ERJ 170/ERJ 190	_	Rep	air d	category	25-14				
System					nber installed					
Seque No.				3.	Number required for dispatch					
			<u> </u>		4. Remarks and/or exception	S				
25 EQ	UIPMENT/FURNISHII	NG	<u>S</u>	1	<u> </u>					
21-20	Flight Attendant Seat Assembly (Single or Dual Position)									
	(Continued)					1				
-01	Required Flight Attendant Seats	В			(M)(O) One seat position assembly may be inoperated. a) Affected seat position assembly is not occup in assembly is not occup. The provided: b) Flight attendant(s) displaced by inoperated seat(s) occupies either adjacent flight attendant seat or the passenger which is most access the inoperative seat(s) as to most effectively perform assigned duticed as to most effectively perform assigned as to most effectively perfo	or pied, ive er an ant seat sible to), so ses, are as anber evs cured on, ned				

	MASTER MINIMUM EQUIPMENT LIST								
Airplan	e ERJ 170/ERJ 190				Revision 1	16	Page 25-15		
Syster					ategory	1			
Seque No.	nce ITEM		2. 1		ber installed Number requ	ired for dispatch			
					4. Remarks	and/or exception	s		
25 EQ	UIPMENT/FURNISHII	NGS	<u>S</u>	1	<u> </u>				
21-20	Flight Attendant Seat Assembly (Single or Dual Position)								
	(Continued)						1		
-01	Required Flight Attendant Seats (Continued)				NOTE 1:	An automatic folding seat th will not stow automatically considered inoperative.			
					NOTE 2:	A seat position an inoperative missing restrative system is considered inoperative.	or		
					(Continue	d)			

	MASTER MINIMUM EQUIPMENT LIST								
Airplan		70/ERJ 190				Revision 1	16	Page 25-16	
0		70/210 130	1. 1	Rep	air c	ategory		20-10	
Syster Seque		ITEM		2. 1		ber installed			
No.					3. 1		ired for dispatch and/or exception		
25 EQ	UIPMENT	/FURNISHIN	NG:	S					
21-20	Flight Atte Seat Asse (Single or Position)	embly							
	(Continue	ed)						I	
-01	Required Attendant (Continue	Seats				NOTE 3:	Individual operators, who perating with inoperative sewill consider to locations and combinations seats to ensure that the proximation to exits and distribution requirements applicable locations are met.	of the	
						NOTE 4:	If one side of dual seat asso is inoperative flight attendar displaced to the adjacent seat adjacent seat operate normand)	embly and a nt is he , the must	

	MASTER MINIMUM EQUIPMENT LIST									
Airplan					Revision 1	16	Page			
	ERJ 170/ERJ 190		Ren	air c	ategory		25-17			
Syster					ber installed	I				
Seque No.				3. I		ired for dispatch				
0					4. Remarks	and/or exception	S			
25 EQ	UIPMENT/FURNISHII	NG:	<u> </u>	ı						
21-20	Flight Attendant Seat Assembly (Single or Dual Position)									
	(Continued)						1			
-02	Excess Flight Attendant Seats	С	-	-	provided: a) Affecte assem and b) Folding automa	ee inoperative ed seat position bly is not occup g type seat stov atically or is see retracted positio	oied, ws cured			
					NOTE 1:	An automatic folding seat th will not stow automatically considered inoperative.				
					NOTE 2:	A seat position an inoperative missing restractonsidered inoperative.	or			

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Airplane	e ERJ 170/ERJ 190				Revision 14	Page 25-18				
_			Repa	air c	ategory	23-10				
Syster Seque				Num	ber installed					
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions	•				
25 FQ	UIPMENT/FURNISHIN	NG:	3		4. Remarks and/or exceptions	<u> </u>				
					(0) 14 1 1 1 1					
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 procedure 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 Ur (PSU) Test/Reset Fur is considered inoperation in Considered inoperative, and d) Alternate procedures established and used. NOTE: Any function on the FAP which operation in the procedure in the p	nction tive, red are ne tes				
-B	EMBRAER 190-E2/ 195-E2	С	1	0	normally may be (O) May be inoperative provided alternate procedure established and used NOTE: Any function on the FAP which operation normally may be (Continued)	ldures I. ne tes				

MASTER MINIMUM EQUIPMENT LIST									
					Page 25-19				
			Num	ber installed					
			3. 1						
UIPMENT/FURNISHIN	NGS	3		4. Remarks and/or exceptions					
Panels (FAP) (Continued)									
Aft FAP									
EMBRAER 170/175/190/195	В	1	0	 (O) May be inoperative provided: a) Forward FAP is operating and b) Water & Waste System Indications are consided inoperative, and c) Alternate procedures are established and used. 	red				
				NOTE: Any function on the FAP which operate normally may be use	es				
EMBRAER 190-E2/ 195-E2	С	1	0	 (O) May be inoperative provided: a) Water and Waste Indications on CMS are considered inoperative, and b) Alternate procedures and established and used 	•				
				NOTE: Any function on the FAP which operate normally may be use	es				
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 Wind is removed or secured in the down position.					
	ERJ 170/ERJ 190 m & ITEM ITEM UIPMENT/FURNISHII Flight Attendant Panels (FAP) (Continued) Aft FAP EMBRAER 170/175/190/195 EMBRAER 190-E2/ 195-E2 Drop-Down Window on Aft Cabin Divider (EMBRAER 170/175/190/195/	ERJ 170/ERJ 190 m & ITEM ITEM UIPMENT/FURNISHINGS Flight Attendant Panels (FAP) (Continued) Aft FAP EMBRAER 170/175/190/195 Drop-Down Window on Aft Cabin Divider (EMBRAER 170/175/190/195/	ERJ 170/ERJ 190 m & ITEM	ERJ 170/ERJ 190 m & ITEM	Revision 14 Revision 14				

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Syster					ategory	10 10 1			
Seque	nce ITEM		2. N	-	ber installed Number required for dispatch				
No.					4. Remarks and/or exception	S			
25 EQ	UIPMENT/FURNISHII	NG:	3						
30-03	Galley Waste Receptacles Access Doors/Covers	С		-	 (M)(O) May be inoperative provided: a) The container is empty the access is secured prevent waste introducing into the compartment b) Procedures are established to ensure sufficient galley waste receptacles are availated to accommodate all with that may be generated a flight. 	ty and I to oction , and that e able vaste			
34-03	Wheelchair Restraint System	D	1	1	Any in excess of those required by local regulati may be inoperative or missing.	ons			
40-03	Exterior Lavatory Door Ashtrays								
-01	Airplanes with more than one exterior lavatory door ashtray installed	Α	1	-	One may be missing pro it is replaced within 10 calendar days.	vided			
-02	Airplanes with only one exterior lavatory door ashtray installed	A	1	0	May be missing provided replaced within 3 calendarys.				

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Airplane	e ERJ 170/ERJ 190	Revision 16				Page 25-21		
		1. F	1. Repair category					
Syster Seque				lum	ber installed			
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions	•		
25 EQ	UIPMENT/FURNISHIN	IGS	3		4. Remarks and/or exceptions	<u> </u>		
	Lavatory Waste Compartment Door	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".	raste nd ed		
					NOTE: These provisos a not intended to prohibit lavatory u or inspection by crewmembers.			
45-02	Lavatory Waste Container	С	-	0	 (M)(O) For each lavatory lavatory waste bin may be inoperative or missing provided: a) Crewmembers are brief and do not use the law waste receptacle, and be associated lavatory descured closed and placarded: "INOPERAL—DO NOT ENTER". 	efed vatory I 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	e ERJ 170/ERJ 190	 I	_	_	Revision 14	Page 25-22			
Syster					eategory	20 22			
Seque	nce ITEM		2. N		hber installed Number required for dispatch				
No.				<u>. </u>	4. Remarks and/or exceptions	S			
25 EQ	UIPMENT/FURNISHIN	NGS	<u>}</u>						
61-00	Emergency Locator Transmitter (ELT)								
-01 ***	Survival Type ELT	D	-	-	Any in excess of those required by local regulation may be inoperative or missing.	ons			
-02	Fixed ELTs								
-A		A	-	0	(M) May be inoperative provided:a) System is deactivatedb) Repairs are made with 90 days.				
-B		Α	-	0	May be missing provided repairs are made within sdays.				
-C		D	-	-	(M) Any in excess of thos required by local regulationary be inoperative proving system is deactivated.	ons			
-D		D	-	-	Any in excess of those required by local regulation may be missing.	ons			

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Airplan					Revision 14	Page		
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Syster			2. 1	Num	ber installed			
Seque No.				3. 1	Number required for dispatch			
					4. Remarks and/or exception	S		
25 EQ	UIPMENT/FURNISHII	NGS	<u> </u>	1	<u> </u>			
62-01	Emergency Medical Equipment							
-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 be mistaken for a fully serviceable unit, and b) Repairs or replaceme are made within 3 flig cycles. 	ents		
-B		D	-	-	Any in excess of those required by local regulati may be incomplete, miss inoperative.			
-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 replaceme are made within 3 flig cycles. (Continued) 	ents		

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			Rep	air c	ategory	23-24			
Syster Seque			_	Num	ber installed				
No.				3. I	Number required for dispatch 4. Remarks and/or exception	<u> </u>			
25 EQ	UIPMENT/FURNISHII	NG:	<u> </u>	l	4. Nomarko anaror exception				
62-01	Emergency Medical Equipment (Continued)								
-02	Emergency Medical Kit (EMK) and/or Associated Equipment (Continued)								
-B		D	-	-	Any in excess of those required by local regulati may be incomplete, miss inoperative.				
-03	First Aid Kit (FAK) and/or Associated Equipment								
-A		A	-	0	(O) If more than one is required by local regulationly one of the required may be incomplete, missinoperative provided: a) FAK 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.	FAKs ing or ify it be			
-В		D	_	_	Any in excess of those required by local regulati may be incomplete, miss inoperative.				
62-02	Flotation Equipment (Crew and Passenger)				Deleted, Revision 13.				

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	ERJ 170/ERJ 190		Repa	air c	ategory	23-23				
Syster Seque				Num	ber installed					
No.				3. 1	Number required for dispatch	_				
05 50	LUDMENT/ELIDNICLU	100	\bigsqcup		4. Remarks and/or exceptions	S				
25 EQ	UIPMENT/FURNISHI	NG)	1						
62-03	Megaphones									
-A		D		-	Any in excess of those required by local regulation may be inoperative or mi provided: a) Inoperative megaphor removed from the passenger cabin, b) Associated placard is removed or obscured con Required distribution maintained.	ssing ne is , and				
-B		С	1	0	 (O) May be missing or inoperative provided: a) No passengers are cabbox b) A maximum of 19 perare carried as authorized by local regulations for non-passenger-carrying operations, and c) Alternate procedures established and used. 	sons zed or ng are				
62-05	Pyrotechnic Signal Devices	D			Any in excess of those required by local regulation may be inoperative or missing.	ons				

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				Revision 14	Page				
ERJ 1/0/ERJ 190		1 Repair category							
	l								
			3. 1						
				4. Remarks and/or exceptions	3				
<u> UIPMENT/FURNISHII</u>	NG:	3	1						
Flight Deck/ Attendant Flashlight and Holder Assembly									
Flashlight									
	С	1	-	May be inoperative or mis provided crewmember assigned to associated so has a flashlight with equivalent characteristics readily available.	eat				
	С		0	 (O) May be missing or inoperative provided: a) No passengers are cate to a maximum of 19 personare carried as authorized by local regulations for non-passenger-carrying operations, and c) Alternate procedures a established and used. 	sons zed r ng are				
Holder Assembly	С	-	1	May be inoperative or mis provided associated flash is stowed and its battery charged by alternate mea	nlight				
Overwing Emergency Exit Doors Lifeline	D		0	May be inoperative or mis provided airplane is not operated on extended overwater flights.	ssing 				
	ERJ 170/ERJ 190 M & ITEM UIPMENT/FURNISHII Flight Deck/ Attendant Flashlight and Holder Assembly Flashlight Holder Assembly Overwing Emergency Exit	ERJ 170/ERJ 190 m & ITEM UIPMENT/FURNISHINGS Flight Deck/ Attendant Flashlight and Holder Assembly Flashlight C Holder Assembly C Overwing Emergency Exit	ERJ 170/ERJ 190 m & ITEM 1. Repair 2. No. TEM SITEM SI	Revision 14 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					

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Airplan		70/ERJ 190				Revision 14	Page 25-27				
_		0/EKJ 190	1. F	Repa	air c	ategory	23-21				
Syster Seque		ITEM			Num	ber installed					
No					3. 1	Number required for dispatch 4. Remarks and/or exception	•				
25 FO	IIIPMENT/	FURNISHIN	166	•		4. Nemarks and/or exception	3				
				<u>,</u> 							
65-00	Emergence Evacuation System										
-A			C		1	 (M)(O) May be missing of inoperative provided: a) No passengers are cannot be provided as authority local regulations for non-passenger-carryity operations, c) Each person has unobstructed accession their seat to an operative exit, either regular or emergency, d) Inoperative exits are conspicuously identification inoperative, e) Any Emergency Exit so and floor proximity light associated only with the inoperative exits are covered to obscure the sign and lights, f) Safety briefing included location of the inoperative exit(s) and instruction to use the inoperative exit(s), and g) Alternate procedures established and used (Continued) 	arried, sons zed or ng from tive ed as sign hts he es the ative s not are				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan					Revision 14	Page				
	ERJ 170/ERJ 190		Repa	air c	ategory	25-28				
Syster					ber installed					
Seque No.				3. 1	Number required for dispatch					
					4. Remarks and/or exceptions	3				
25 EQ	UIPMENT/FURNISHII	NGS	<u> </u>	1	<u> </u>					
65-00	Emergency Evacuation Slides System (Continued)									
-B	EMBRAER 170/175/190/195	Α	4	3	One may be inoperative of missing provided: a) Associated door is considered inoperative Refer to item 52-00-00 Passenger and Service Doors, and b) Repairs are made with five flights.	e. O ce				
-Ç	EMBRAER 190-E2/ 195-E2	A	6	5	One may be inoperative of missing provided: a) Associated door is considered inoperative Refer to item 52-00-00 Passenger and Service Doors or item 52-21-00 Overwing Emergency Door, and b) Repairs are made with five flights. NOTE: For EMBRAER 195-E2, if the Overwing Emergency Evacuation Slide System is inoperative consider both Overwing Emergency Exit Doors of same side inoperative.	e. O se 00 Exit nin ency ative, ency				

MASTER MINIMUM EQUIPMENT LIST									
Airplane ERJ 170/ERJ 190				Revision 14	Page 25-29				
		Rep	air c	ategory	25-29				
System & Sequence ITEM				ber installed					
No.			3. 1	Number required for dispatch					
05 F01 UD14F117/51 ID1101 U1				4. Remarks and/or exception	S				
25 EQUIPMENT/FURNISHIN	NG	<u> </u>	1						
66-00 Life Jackets	D	-	-	 (M)(O) Any in excess of required may be inoperal or missing provided: a) Required distribution maintained, b) Inoperative life jacket its installed location a placarded inoperative c) Inoperative life jacket secured out of sight, and Procedures are established and used alert crewmembers of inoperative or missing equipment. 	tive is and re s, s are and to				
66-01 Life Raft ***									
-A	С	-	-	 (M)(O) Any in excess of required for the intended may be inoperative or mifor extended overwater fiprovided: 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, at the distribution of the inoperative or missing equipment. (Continued) 	flight dissing lights dissing distant distant to of				

	MASTER MINIMUM EQUIPMENT LIST										
Airplan		:D I 470/ED I 400				Revision 16	Page 25-30				
		RJ 170/ERJ 190		Repa	air c	ategory	25-30				
Syster Seque		ITEM		2. 1	Num	ber installed					
No.		II LIW			3. 1	Number required for dispatch 4. Remarks and/or exception					
25 FO	HIPM	IENT/FURNISHIN	1GS			4. Remarks and/or exception	S				
			<u> </u>	<u>,</u> 							
66-01 ***	Life (Cor	Raft ntinued)									
-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. 	ilights nd to of				
68-00	Und	Frequency erwater Locator con (LF-ULB)	D	1	0	May be inoperative or miprovided airplane is not operated on extended overwater flights.	issing 				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190	,			Revision 14	Page 26-1				
			Rep	air c	category	20-1				
Syster Seque					nber installed					
No				3. I	Number required for dispatch					
00 FID		<u> </u>			4. Remarks and/or exception	S				
26 FIR	RE PROTECTION	1	1	1	<u> </u>					
00-05	Cargo Compartment Smoke Detection and Fire Protection System					 				
-01	System Faults					- 1				
-A		С	-	-	May be dispatched with 0 FIRE PROT FAULT Advi EICAS message provide animals are not carried in forward cargo compartm	sory d live n the				
-B		С	-	-	(O) May be dispatched with CRG FWD (AFT) FIRE STAIL Caution EICAS means provided procedures are established and used to ensure the associated cate compartment remains entering or is verified to contain of empty cargo handling equipment, ballast (ballat may be loaded in ULDs), or Fly Away Kits.	SYS ssage argo 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,				

MASTER MINIMUM EQUIPMENT LIST										
Airplan		1.470/ED 1.400				Revision 14	Page 26-2			
	ER	J 170/ERJ 190		Repa	air c	ategory	20-2			
Syster Seque		ITEM			Num	ber installed				
No		I I LIVI			3. 1	Number required for dispatch				
00 FIE	- BBG	TEOTION				4. Remarks and/or exception	S			
26 FIR	E PRO	TECTION	ı	ı	1	<u> </u>				
10-01	Detect	ory Smoke tion System AGE 1000)								
-01	Fwd a Lavato	nd Mid Cabin ory								
-A			С	-	1	 (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			
-B			С	-	-	May be inoperative provi a) Lavatory waste compartment fire extinguisher is operat and b) Operating rules do no require a smoke dete	ive,			
-02	VIP C	abin Lavatory	С	-		(M)(O) May be inoperative provided a) Lavatory waste recept 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.	tacle ed NOT ire			

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	e ERJ 170/ERJ 190				Revision 17	Page 26-3					
0			1. Repair category								
Syster Seque			2. Number installed								
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions						
26 FIR	E PROTECTION				Tromano anazor oxooptione						
10-02	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 provid APU is not used.						
14-00	Lavatory Smoke Detection System (EMBRAER 170/175/190/195/ 190-E2/195-E2)	С			 (M)(O) For each lavatory. Lavatory Smoke Detection 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 and intended to prohibit lavatory to or inspections by crewmembers. 	on ve tacle d NOT by					
14-01	Lavatory Smoke Test Switches on Flight Attendant Panel (EMBRAER 170/175/190/195)	С	-	0	(O) May be inoperative provided Lavatory Smoke Detector is tested once e flight day.						

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190	١			Revision 14	Page 26-4					
0			Rep	air c	category	204					
Syster Seque				Num	ber installed						
No.				3. 1	Number required for dispatch 4. Remarks and/or exception	<u> </u>					
26 FIR	E PROTECTION				Remarks und/or exception	<u> </u>					
15-00	Cargo Compartment Smoke Detection System				Deleted, Revision 14 (Included in item 26-00-0)5).					
16-00	Recirculation Bay Smoke Detector System										
-A	EMBRAER 170/175/190/195	В	1	0	 (O) Except for ER operating may be inoperative or miprovided: a) Recirculation Fans (RECIRC) remain selent off, b) Both Air Conditioning Packs are operating normally, and c) Live animals are not carried in the forward cargo compartment. 	issing ected					
-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, and d) Both Engine ITT many are verified to be with limits. (Continued) 	ected Pack and gins					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190				Revision 14	Page 26-5					
			Repa	air c	 category	20-3					
Syster Seque				Num	ber installed						
No.				3. 1	Number required for dispatch						
00 FID	E BROTESTION				4. Remarks and/or exception	S					
26 FIR	E PROTECTION	1	1	1	<u> </u>						
16-00	Recirculation Bay Smoke Detector System (Continued)										
-C	EMBRAER 190/195	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. 	ected Pack					
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.	AIL is					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190				Revision 14	Page 26-6					
			Repa	ategory	20-0						
Syster Seque				Num	ber installed						
No.			3. Number required for dispatch								
26 EID	E DROTECTION				4. Remarks and/or exceptions	5					
20 FIR	E PROTECTION	l									
18-01 ***	In-Flight Entertainment System (IFE) Smoke Detector (EMBRAER 170/175/190/195)	D	1	0	(M) May be inoperative provided IFE is deactivate	ed.					
22-00	APU Fire Extinguishing System	С	1	0	Except for ER operations may be inoperative providable. APU is not used.						
22-09	APU Fire Extinguishing Button Illumination										
-A	EMBRAER 170/175/190/195/ 190-E2/195-E2 LINEAGE 1000	С	1	0	Except for ER operations may be inoperative providable. APU is not used.						
-B	EMBRAER 170/175/190/195/ LINEAGE 1000	С	1	0	(O) May be inoperative provided APU FIRE Warr 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	С	1	0	(O) May be inoperative provided APU EMER STO Button and engine 1 fire handle illuminations are verified to operate normal	·					
23-00	Cargo Compartment Fire Extinguishing System				Deleted, Revision 14 (Included in item 26-00-0	5).					
23-03	Cargo Compartment Fire Extinguishing Bottle Cartridge (EMBRAER 190-E2)				Deleted, Revision 14 (Included in item 26-00-0	5).					

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	e ERJ 170/ERJ 190				Revision 14	Page 26-7					
			Repa	air c	ategory	20-7					
Syster Seque				Num	ber installed						
No.				3. 1	Number required for dispatch	•					
26 EID	E PROTECTION	<u> </u>	<u> </u>	<u> </u>	4. Remarks and/or exception	5					
20 FIK	EPROTECTION	1									
23-13	Cargo Compartment Fire Extinguishing Buttons Illumination										
-01	Forward Cargo Compartment Fire Extinguishing Button Illumination	С	1	0	(O) May be inoperative provided procedures are established and used to ensure the associated compartment remains er or is verified to contain o empty cargo handling equipment, ballast (balla may be loaded in ULDs), for Fly Away Kits.	npty, nly st					
					NOTE: Operator MELs n define which item approved for incl in the Fly Away k and which materi can be used as ballast.	ns are usion (its,					
-02	Aft Cargo/ Baggage Compartment Fire Extinguishing Button Illumination	С	1	0	(O) May be inoperative provided procedures are established and used to ensure the associated compartment remains er 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,					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan		ERJ 170/ERJ 190				Revision 14	Page 26-8				
01		LIG ITO/LIG 190	1. F	Repa	air c	ategory	20-0				
Syster Seque		ITEM		2. 1		ber installed					
No					З. Г	Number required for dispatch 4. Remarks and/or exception	s				
26 FIR	RE PI	ROTECTION									
24-01	Por	table Fire inguishers	D	-	-	Any in excess of those required by local regulatimay 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.	ssing 				
25-00 -A	Exti Sys (EM 170	ratory Fire inguishing stem MBRAER 0/175/190/195/ 0-E2/195-E2)	С		0	For each lavatory, the Lavatory Fire Extinguishi System may be inoperati provided Lavatory Smoked Detection System operations and the continued (Continued)	ve e				

	MASTER MINIMUM EQUIPMENT LIST									
Airplane	1 170/ED 1 100				Revision 14	Page				
	J 170/ERJ 190	1. F	Repa	air c	ategory	26-9				
System & Sequence	ITEM			lum	ber installed					
No.	I I LIM			3. 1	Number required for dispatch					
ac FIDE BBO	TECTION				4. Remarks and/or exceptions	5				
26 FIRE PRO	TECTION	ı								
Systen (EMBF 170/17 190-E2 (Contir	uishing n RAER 75/190/195/ 2/195-E2)					I				
-B		C		0	(M)(O) For each lavatory Lavatory Fire Extinguishi System may be inoperati 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 and not intended to prohibit lavatory or inspections by crewmembers.	ng ve tacle ed NOT by				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190				Revision 14	Page 26-10				
			Rep	air c	ategory	20-10				
Syster Seque					ber installed					
No				3. I	Number required for dispatch					
00 515		<u> </u>			4. Remarks and/or exception	S				
26 FIR	RE PROTECTION	1	1	ı	1					
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". 	tacle ed				
-B		С	-	-	 (M)(O) For each lavatory lavatory fire extinguishing system may be inoperating provided: a) Lavatory smoke detect system operates normand 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.	tacle ed NOT are				

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190)			Revision 14	Page 27-1					
Cuetan		_	Rep	air c	ategory						
Syster Seque			2. I		ber installed						
No.				3. 1	Number required for dispatch 4. Remarks and/or exception	s					
27 FLI	GHT CONTROLS	1	l	l							
00-00	Flight Controls System										
-01	System Faults										
-A	EMBRAER 170/175/190/195/ LINEAGE 1000 (Post-Mod. Load 25.3, 25.4 and on)	A	-	-	May be dispatched with FLT CTRL FAULT Advise EICAS message provide repairs are made within 48 hours.						
03-01	Flight Controls Panel										
-01	Flight Control Mode Pushbuttons Illumination										
-A	EMBRAER 170/175/190/195/ LINEAGE 1000	С	3	0	 (O) May be inoperative provided: a) The associated buttor verified operative, and b) ELEVATOR FAULT, RUDDER FAULT or SPOILER FAULT Care EICAS message is no displayed on EICAS. 	d ution					
-B	EMBRAER 190-E2/ 195-E2	С	1	0	(O) May be inoperative provided: a) The associated buttor verified operative, and b) FLT CTRL N-MODE I Warning EICAS mess is not displayed on EI (Continued)	d FAIL sage					

	MASTER MINIMUM EQUIPMENT LIST									
Airplane	ERJ 170/ERJ 190				Revision 14	Page 27-2				
			Repa	air c	ategory	21-2				
Syster Seque				lum	ber installed					
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions	2				
27 FLI	GHT CONTROLS	l			4. Remarks analor exceptions	<u>, </u>				
		1								
03-01	Flight Controls Panel (Continued)									
-02	Stick Shaker System Cutout Pushbutton Illumination	С	2	0	 (O) May be inoperative provided: a) The associated buttor verified operative, and b) SHAKER 1 (2) FAIL Advisory EICAS messis not displayed on Ele 	l age				
03-04	Pitch Trim System Channel Cutout Pushbutton Illumination (EMBRAER 170/175/190/195/ LINEAGE 1000)	С	2	0	(M) May be inoperative provided the pitch trim channels are verified operative.					
11-01	Breakout-Increase Device (BOID) System (EMBRAER 190-E2/ 195-E2)									
-01	Control Wheel BOID									
-A		С	2	1	 (M) One may be inoperate provided: a) The opposite control of BOID is verified operate before each flight, and b) Affected control whee verified free to move. 	vheel itive				
-B		В	2	0	May be inoperative provious autopilot is not used. (Continued)	ded				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190				Revision 14	Page 27-3				
			Rep	air c	category	21-3				
Syster Seque				Num	ber installed					
No				3. I	Number required for dispatch 4. Remarks and/or exceptions					
27 FI I	GHT CONTROLS				4. Remarks and/or exceptions					
11-01	Breakout-Increase Device (BOID) System (EMBRAER 190-E2/ 195-E2) (Continued)									
-02	Control Column BOID									
-A		С	2	1	 (M) One may be inoperati provided: a) The opposite control column BOID is verifie operative before each flight, and b) Affected control colum verified free to move. 	d				
-B		В	2	0	May be inoperative provid autopilot is not used.	led				
-03	BOID Module									
-A		С	2	1	(M) One may be inoperati provided the opposite Cor Wheel BOID and Control Column BOID are verified operative before each flight	ntrol				
-В		В	2	0	May be inoperative provid autopilot is not used.	led				
11-12	ROLL CONTROL DISC Advisory EICAS Message (EMBRAER 170/175/190/195/ LINEAGE 1000)	В	1	0	 (O) May be inoperative provided: a) Both control wheels ar verified to be connected before each flight, and b) Autopilot is considered inoperative. 	ed				

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/	/ED 100				Revision 14	Page 27-4				
		LIND 190		Rep	air c	ategory	21-4				
Syster Seque		ЕМ			Num	ber installed					
No.					3. 1	Number required for dispatch 4. Remarks and/or exception	<u> </u>				
27 FLI	GHT CONTR	ROLS				4. Nemarks and/or exception	<u> </u>				
	Roll Trim Po Indication or (EMBRAER 170/175/190 LINEAGE 10	esition n EICAS 0/195/	С	1	0	(O) May be inoperative provided ailerons are ver centered before each flig					
14-02	Aileron Trim (EMBRAER 170/175/190 LINEAGE 10)/195/	С	1	0	(M) May be inoperative provided aileron trim acti is deactivated at neutral position.	uator				
						NOTE: Roll Trim position indication on EICAS will be inoperative.					
23-03	Rudder Ped Adjustment										
-A			С	2	0	May be inoperative provi Rudder Pedals' position acceptable to the affecte flight crewmember.	is				
-В			С	2	0	(M) May be inoperative provided Rudder Pedals be adjusted to suit individual pilot requirements.					
24-01	Yaw Trim Po Indication or (EMBRAER 170/175/190 LINEAGE 10	n EICAS 0/195/	С	1	0	(O) May be inoperative provided Rudder is verificentered before each flig					
31-06	PITCH CON DISC Adviso EICAS Mess (EMBRAER 170/175/190 LINEAGE 10	ory sage 0/195/	В	1	0	 (O) May be inoperative provided: a) Both control columns verified to be connect before each flight, and b) Autopilot is considere inoperative. 	ed d				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190	,	Revision 15							
			Repa	air c	ategory	27-5				
Syster Seque				Num	ber installed					
No.				3. 1	Number required for dispatch 4. Remarks and/or exception	<u> </u>				
27 FLI	GHT CONTROLS	1			4. Remarks and or exception					
33-06	Tail Strike Avoidance (EMBRAER 190/195/ LINEAGE 1000)	С	1	0	(O) May be inoperative provided tail strike avoidal procedures are establish and used.					
36-01	Stick Shakers	В	2	1	(O) One may be inoperary provided Stall Warning System is verified to open normally 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 	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 e flight.					
-02	Backup Trim Switch on the Control Pedestal	С	1	0	 (O) May be inoperative provided: a) Both Pitch Trim Switch on Yokes are operating normally, and b) Affected switch is ver inactive before each for the switch is the switch in the switch	ng ified				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan			Revision 16 Pag							
	ERJ 170/ERJ 190		2an	air c	ategory	27-6				
Syster		•••	_		ber installed					
Seque No.				3. 1	Number required for dispatch					
o= =: :		<u> </u>			4. Remarks and/or exception	S				
27 FLI	GHT CONTROLS	1	1	1	<u> </u>					
50-00	Flap System (EMBRAER 190-E2/ 195-E2)									
-01	System Faults					1				
-A		В	-		 (O) May be dispatched we FLAP LO RATE Advisory EICAS message provide a) APU generator is operative, b) Both Engine Driven Generators are operative, and d) There are no obstacled the Net Takeoff Flight above Level Off Height Above Level Off Height Palf extension an retraction rates. 	/				
-B		В	-		 (O) May be dispatched we FLAP LO RATE Advisory EICAS message provide a) FSCU F1 is verified operative, b) Both FSCU - Slat are operative, and c) There are no obstacled the Net Takeoff Flight above Level Off Height above Level Off Height above Level Off Height extension and retraction rates. (Continued) 	/ d: es in : Path nt.				

MAS Airplane ERJ 170/E System & Sequence ITE	RJ 190		<u>п Е</u>	QUIPMENT LIST Revision 16	Page 27-7		
ERJ 170/E	1.	Rena		Revision 16	_		
		Rena	2				
	м			ategory	•		
		2. N		ber installed			
No.			3. N	lumber required for dispatch			
				4. Remarks and/or exception	S		
27 FLIGHT CONTRO	DLS						
50-00 Flap System (EMBRAER 1 195-E2) (Continued)	90-E2/				 		
-01 System Faults (Continued)	S						
-C	В	-		May be dispatched with I FAULT Advisory EICAS message provided SLAT FAULT, FLAP LO RATE SLAT LO RATE Advisory EICAS messages are no displayed.	and		

MASTER MINIMUM EQUIPMENT LIST									
			Revision 16	Page 27-8					
_	Rep	air c	 category	21-0					
		Num	ber installed						
		3. I							
			4. Remarks and/or exception	<u>s</u>					
I	l	l	<u> </u>						
В	-	-	FLAP LO RATE Advisory EICAS message provide a) APU generator is operative, b) Both Engine Driven Generators are operator c) Both Slat Channels a operative, and d) There are no obstacle the Net Takeoff Flight above Level Off Height NOTE: Flaps will operate	d: d: tive, re es in : Path ht.					
В	-	-	retraction rates. (O) May be dispatched wFLAP LO RATE Advisory EICAS message provide a) Flap Channel 01 is veroperative, b) Both Slat Channels a operative, and c) There are no obstacled the Net Takeoff Flight above Level Off Height	vith / d: erified re es in : Path ht.					
	B	1. Rep. 2. I	1. Repair of 2. Num 3. I	Revision 16 1. Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exception 4. Remarks and/or exception 8					

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	ERJ 170	D/ERJ 190	1 [2an	air c	ategory	27-9		
Syster			1. 1			ategory ber installed			
Seque No.		TEM				Number required for dispatch			
						4. Remarks and/or exception	S		
27 FLI	GHT CONT	ROLS		ı	ı	<u> </u>			
53-00	Slat/Flap El System (EMBRAEF 170/175/19 LINEAGE 1 (Continued	R 0/195/ 1000)							
-01	System Fau (Continued)								
-C			В	-	-	 (O) May be dispatched w SLAT LO RATE Advisory EICAS message provide a) APU generator is operative, b) Both Engine Driven Generators are opera c) Both Flap Channels a operative, and d) There are no obstacle the Net Takeoff Flight above Level Off Height NOTE: Slats will operate half extension an 	tive, re es in Path nt.		
-D			В	-	-	retraction rates. (O) May be dispatched with SLAT LO RATE Advisory EICAS message provide a) Slat Channel 02 is veroperative, b) Both Flap Channels are operative, and c) There are no obstacled the Net Takeoff Flight above Level Off Height NOTE: Slats will operate half extension an retraction rates.	d: d: rified re es in Path nt.		

	MASTER MINIMUM EQUIPMENT LIST									
Airplan		1 400				Page				
	ERJ 170/ERJ		1 6	2 an:	air c	ategory	27-10			
Syster			· · ·			ber installed				
Seque No.						Number required for dispatch				
						4. Remarks and/or exception	S			
27 FLI	GHT CONTROLS	<u> </u>	1							
80-00	Slat System (EMBRAER 190 195-E2)	-E2/								
-01	System Faults						1			
-A			В			 (O) May be dispatched w SLAT LO RATE Advisory EICAS message provide a) APU generator is operative, b) Both Engine Driven Generators are opera c) Both FSCU - Flap are operative, and d) There are no obstacle the Net Takeoff Flight above Level Off Height NOTE: Slats will operate half extension an retraction rates. 	/ d:			
-B			В			 (O) May be dispatched w SLAT LO RATE Advisory EICAS message provide a) FSCU S1 is verified operative, b) Both FSCU - Flap are operative, and c) There are no obstacle the Net Takeoff Flight above Level Off Height NOTE: Slats will operate half extension an retraction rates. (Continued) 	/ d: es in Path nt.			

	MASTER MINIMUM EQUIPMENT LIST									
Airplan		170/ERJ 190				Revision 16	Page 27-11			
		170/EKJ 190	1. F	Repa	air c	ategory	21-11			
Syster Seque		ITEM			Num	ber installed				
No.					3. 1	Number required for dispatch 4. Remarks and/or exception	•			
27 ELI	GHT CON	ITPOLS				4. Remarks and/or exception	5			
80-00	Slat Syst (EMBRA 195-E2) (Continue	ER 190-E2/								
-01	System F (Continue									
Ç	(Continue	eu)	В			May be dispatched with a FAULT Advisory EICAS message provided FLAP FAULT, FLAP LO RATE SLAT LO RATE Advisory EICAS messages are no displayed.	and			

	MASTER MINIMUM EQUIPMENT LIST									
Airplan		3J 170/ERJ 190				Revision 14	Page 28-1			
Syster Seque No.	n & nce	ITEM	1. F		lum	tategory Suber installed Number required for dispatch				
28 FU						4. Remarks and/or exception	S			
00-00	Fuel S Synor (MFD	System otic Displays Fuel Page)	С	2	0	(O) MFD Indications not addressed elsewhere in MMEL may be inoperative				
00-05		Control System RAER 190-E2/ (2)								
-01	Syste	m Faults	4			 (O) May be dispatched we FUEL CONTROL FAULT Advisory EICAS message provided: a) Both Engine Fuel Filth Differential Pressure Sensors are operative b) Both FUEL FEED 1 (in FAULT Advisory EICAT Englayed 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. 	r flight			

	MASTER MINIMUM EQUIPMENT LIST										
Airplane					Revision 14	Page					
	ERJ 170/ERJ 190		2 a n	sir o	etegony	28-2					
Syster		1. 1	Repair category Number installed								
Seque No.					Number required for dispatch						
110.					4. Remarks and/or exceptions	S					
28 FUI	<u>EL</u>		1								
11-02	Fuel Tanks Drain/Dump Valves (EMBRAER 190-E2/ 195-E2)										
-01	Drain Function										
-A		С	4	3	 (M) One center tank valvemay be inoperative provided a) Affected valve is checked for no leaks, and b) No water is found at opposite center tanked drainage point before flight day. 	ded: ·ked					
-B		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					
-02	Dump Function	D	4	0	(M) May be inoperative provided the affected valued the checked for no leakage.	ve is					
11-05	Drain Valves (EMBRAER 170/175)										
-A		С	4	3	(M) One may be inoperate provided there is no evidence of leakage.	ive ence					
-B		В	4	2	(M) One Inner Drain Valvone side and one Outer I Valve on the opposite side may be inoperative provious there is no evidence of leakage.	Orain Ie					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190				Revision 14	Page 28-3					
			Rep	air c	ategory	20-3					
Syster Seque				Num	ber installed						
No				3. I	Number required for dispatch						
20 EII				<u> </u>	4. Remarks and/or exceptions	5					
28 FU	<u>EL</u>		l								
13-00	Auxiliary Fuel System (EMBRAER 190 PR/ LINEAGE 1000)	С	1	0	 (M)(O) May be inoperative provided: a) Both auxiliary tanks arempty, b) Fuel Transfer Mode is selected OFF, and, c) Isolation pushbutton is pushed in. 	re					
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 verifice open during refueling and closed after refueling panclosed.	are					
21-05	AC Wing Fuel Pump Pressure Switch										
-A		С	2	0	(M) One or both may be inoperative provided associated pump is verific operate normally before efflight.						
-B		С	2	0	(O) One or both may be inoperative provided associated pump is verific operate normally before efflight.						
21-10	Wing Scavenge Ejector Pump System (EMBRAER 190-E2)				Deleted, Revision 14 (Included in item 28-00-0	5).					
21-16	Crossfeed Override Function (EMBRAER 170/175/190/195 LINEAGE 1000)	С	1	0	Except for ER operations may be inoperative.	,					

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190				Revision 14	Page 28-4				
			Rep	air c	category	20-4				
Syster Seque				Nun	ber installed					
No.				3. ا	Number required for dispatch					
					4. Remarks and/or exception	S				
28 FUI	<u> </u>	ı .	ı	1	I					
21-33	FUEL AC PUMP 1 (2) FAIL Advisory EICAS Message				Deleted, Revision 13 (Included in item 28-21-0	05).				
22-01	DC Pump	С	1	0	(M) Except for ER operarmay be inoperative proviaa) DC Pump is deactivateb) DC Pump remains selected OFF, andc) AC Power is available	ded: ted,				
22-07	APU Fuel Shutoff Valve	С	1	0	(M) Except for ER opera may be inoperative provia) APU is not used, andb) Valve is deactivated closed.	ded:				
-01	Position Indication									
-A		С	1	0	 (M) Except for ER opera may be inoperative provia) APU is used only on ground, and b) APU Fuel Shutoff Val verified closed after A shutdown. 	ded: ve is				
-В		С	1	0	May be inoperative provi APU is not used.	ded				
22-08	APU Fuel Feed Line (EMBRAER 170/175/190/195/ LINEAGE 1000)	С	1	0	 (M) Except for ER operal may be inoperative provious) a) APU fuel feed line is drained, b) APU fuel SOV is secur closed, and, c) APU is not used. 	ded:				
22-17	APU FUEL SOV CLOSED Status EICAS Message				Deleted, Revision 13 (Included in item 28-22-0	07).				
22-19	APU FUEL SOV FAIL Caution EICAS Message				Deleted, Revision 13 (Included in item 28-22-0	07).				

	MASTER MINIMUM EQUIPMENT LIST										
Airplane					Revision 14	Page					
	ERJ 170/ERJ 190		2 a n	air c	estogony	28-5					
Syster		1. [Repair category Number installed								
Seque No.			3. Number required for dispatch								
NO.					4. Remarks and/or exceptions	3					
28 FUI	EL										
23-00	Pressure Refueling/Defueling System										
-01	EMBRAER 170/175/190/195/ LINEAGE 1000										
-A		С	1	0	(M) May be inoperative provided aircraft is refuel gravity.	ed by					
-В	Automatic Mode	С	1	0	(M) May be inoperative provided aircraft is refuel pressure manual mode o 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						
-В		С	1	0	(M) May be inoperative provided: a) Refueling shutoff valvare operated manually and						
					b) Aircraft is refueled by pressure.						
-C	Automatic Mode	С	1	0	(M) May be inoperative provided aircraft is refuel pressure manual mode o gravity.						
					NOTE: Center tank cann- refueled by gravit	0.00					

	MASTER MINIMUM EQUIPMENT LIST										
Airplane					Revision 14	Page					
	ERJ 170/ERJ 190		Repa	air c	ategory	28-6					
Syster Seque					ber installed						
No.				3. 1	Number required for dispatch						
00 FIII	- 1				4. Remarks and/or exception	S					
28 FUI	=L	1		I	<u> </u>						
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.						
					NOTE: Center tank cann refueled by gravit						
-02	Selected Fuel Quantity Indication	С	1	0	(M) May be inoperative provided aircraft is refuel pressure manual mode o gravity.						
					NOTE: Center tank cann refueled by gravit						
-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					Revision 14	Page					
	ERJ 170/ERJ 190		2en:	air c	ategory	28-7					
Syster		l	2. Number installed								
Seque No.			3. Number required for dispatch								
					4. Remarks and/or exception	S					
28 FU	<u>EL</u>				1						
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 afrefueling.	ter					
					NOTE: Center tank cann refueled by gravit						
-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 after refueling. 	y,					
23-09	Fuel Quantity Indication on Refueling Panel (EMBRAER 170/175/190/195/ 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										
Airplan	е				Revision 14	Page 28-8	-				
	ERJ 170/ERJ 19		1. Repair category				-				
Syster Seque		'''		Num	ber installed						
No				3. 1	Number required for dispatch						
28 FU	 EI		<u> </u>		4. Remarks and/or exception	5					
23-21	Defueling Shutoff Valve	С	1	0	(M) May be inoperative provided shutoff valve is deactivated closed.						
-01	Position Indication	С	1	0	(M) May be dispatched w DEFUEL SOV OPEN Advisory EICAS messag provided shutoff valve is deactivated closed excep defueling.	е					
23-27	RH/LH Tank Refueling Shutoff Valve Closed Indication Light on the Refueling Panel (EMBRAER 170/175/190/195/ LINEAGE 1000)	С	2	0	(M) May be inoperative provided valve is confirm closed prior to each refue						
23-29	Defueling Shutoff Valve Open Indication Light on the Refueling Panel (EMBRAER 170/175/190/195/ LINEAGE 1000)	С	1	0	(M) May be inoperative provided shutoff valve is verified closed and then each subsequent defueli						
23-31	DEFUEL SOV OPEN Advisory EICAS Message				Deleted, Revision 13 (Included in item 28-23-2	21).					

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	e ERJ 170/ERJ 190				Revision 16	Page					
			Repa	air c	ategory	28-9					
Systen Sequer					ber installed						
No.	ICE ITEM			3. 1	Number required for dispatch						
20 EU	-,	<u> </u>			4. Remarks and/or exception	S					
28 FUE	<u>:L</u>	l I	ı	I							
25-00	Center Fuel Transfer System (EMBRAER 190-E2/ 195-E2)										
-A		С	1	0	 (M)(O) May be inoperative provided: a) System is deactivated by Center fuel quantity indication is operative c) Wing tanks are refuel pressure manual mode by gravity, and d) Aircraft center of grave calculated by alternation means. NOTE: Center tank fuel in unavailable. See for Maximum Usa Fuel Quantity. 	d, ed by de or rity is e					
-B		С	1	0	 (M)(O) May be inoperative provided: a) System is deactivated by Center tank is fully drained, c) Wing tanks are refuel pressure manual mode by gravity, and d) Aircraft center of grave calculated by alternative means. NOTE: See AFM for Maximum Usable Quantity. 	d, ed by de or ity is e					

	MASTER MINIMUM EQUIPMENT LIST										
Airplane					Revision 14	Page 28-10					
	ERJ 170/ERJ 190		1. Repair category								
Syster		1. 1	2. Number installed								
Seque No.				3. 1	Number required for dispatch						
					4. Remarks and/or exceptions	3					
28 FUI	EL	ı	1	ı	<u> </u>						
25-01	AC Center Fuel Transfer Pump (EMBRAER 190-E2/ 195-E2)										
-A		С	2	0	One or both may be inoperative provided Cen Fuel Transfer System is considered inoperative.	ter					
-B		С	2	1	 (M)(O) One may be inoperative provided: a) Affected AC Center For Transfer Pump is deactivated, and b) Automatic Fuel Transformer verified operative befor first flight of each flight day. 	er is					
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 Cen Fuel Transfer System is considered inoperative.	ter					
-B		С	2	1	 (M)(O) One may be inoperative provided: a) Affected AC Center For Transfer Pump is deactivated, and b) Automatic Fuel Transfor verified operative befor first flight of each flight day. 	er is					

MASTER MINIMUM EQUIPMENT LIST										
Airplane	9				Revision 14	Page				
ERJ 170/ERJ 190					28-11					
Syster	n &	1			category					
Seque			2.		hber installed					
No.				3. 1	Number required for dispatch 4. Remarks and/or exception					
00 5111					4. Remarks and/or exception	3				
28 FUI 25-04	Center Fuel Tra Valve (EMBRAER 190		C 1	0	(M) May be inoperative provided: a) Center Fuel Transfer					
	195-E2)	J-L2/			System is considered inoperative, and b) Center Fuel Transfer is deactivated closed.	Valve				
41-00	Fuel Quantity Indicating									
-01	Wing Fuel Quar Indication on El- and MFD (EMBRAER 170/175/190/19 LINEAGE 1000)	CAS 5/	A	3	 (M)(O) Except for ER operations, indications for wing tank may be inoper provided: 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 1 (2 LEVEL Warning EICA message is operative d) Repairs are made with three flight days. 	ative ciated ed ble, 2) LO				
-02	Center Fuel Qualindication on Eleand MFD (EMBRAER 1901)	CAS	C 3	3 0	May be inoperative provi Center Fuel Transfer Sys is considered inoperative	stem				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan		J 170/ERJ 190					age 3-12			
		J 170/ERJ 190		Repa	ategory)-1Z				
Syster Seque		ITEM			2. Number installed					
No.					3. 1	Number required for dispatch 4. Remarks and/or exceptions				
28 FUI	FI					4. Nemarks and/or exceptions				
	Tank I Senso	RAER 190-E2/	С	4	0	May be inoperative provided the Pressure Refueling/ Defueling System is considered inoperative.	d			
41-03	Mana (Comp	Quantity and gement uter (FQMC) RAER 190-E2)				Deleted, Revision 14 (Included in item 28-00-05).				
42-00	Indica (EMBI 170/17		D	6	0	May be inoperative provided Fuel Quantity Indication on EICAS and MFD operates normally.	d			
43-00	Indica (EMBI 170/17	emperature ting System RAER 75/190/195/ GE 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 above -37°C. 	 /e			
44-00	LEVE	1 (2) LO _ Warning 6 Message				Deleted, Revision 13 (Included in item 28-44-01).				

	MASTER MINIMUM EQUIPMENT LIST									
Airplane		70/ED 1400				Revision 14	Page 28-13			
	EKJ 1/	'0/ERJ 190	1. F	Rena	air c	 ategory	28-13			
Systen Seque		ITEM		2. 1	lum	ber installed				
No.		I I CIVI			3. 1	Number required for dispatch				
00 5111						4. Remarks and/or exception	S			
28 FUE	<u>-L</u>		1	1						
44-01	Fuel Low I Sensor (EMBRAE 170/175/19 LINEAGE	R 90/195/								
-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.	i ICAS nd			
-B			O	2	0	(O) Both may be inopera provided fuel quantity indications on EICAS and MFD are available on bosides and are monitored throughout flight.	j d j			

	MASTER MINIMUM EQUIPMENT LIST										
Airplan					Revision 14	Page					
	ERJ 170/ERJ 190		Ran	air c	ategory	29-1					
Syster		'''	2. I								
Seque No.				3. I	Number required for dispatch						
					4. Remarks and/or exception	S					
29 HY	DRAULIC POWER	1	1	1	<u> </u>						
00-00	Hydraulic System Synoptic Displays (MFD Hydraulics Page)	С	-	0	(O) MFD Indications not addressed elsewhere in MMEL may be inoperative						
11-01	Engine Driven Pumps (EDP)										
-01	Depressurization Function										
-A		С	2	1	May be inoperative on E provided: a) Both Starter Control Valves (SCV) operate normally, b) Engine Bleed System operates normally, and c) Crossbleed Valve open normally.	e 1 2 nd					
					NOTE: See AFM for Eng Airstart – Assiste (Engine Airstart Envelope).						
-B		С	2	1	May be inoperative on E provided: a) Both Starter Control Valves (SCV) operate normally, b) Engine Bleed System operates normally, an c) Crossbleed Valve open normally.	e 11 nd erates					
					NOTE: See AFM for Eng Airstart – Assiste (Engine Airstart Envelope). (Continued)	,					

	MASTER MINIMUM EQUIPMENT LIST								
Airplan		170/ERJ 190		Revision 16			Page 29-2		
		170/EKJ 190	1. F	1. Repair category					
Syster Seque		ITEM		2. Number installed					
No.					З. Г	Number required for dispatch 4. Remarks and/or exception	s		
29 HY	DRAULIC	POWER							
11-01	Engine [Pumps ((Continu	EDP)							
-01	Depress Function (Continu								
-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. NOTE: See AFM for Engance Airstart – Assiste	d nally, erates iine		
-02	ENG PU SHUTOI Pushbut Illuminat Hydrauli Panel	F ton	С	2	0	(Engine Airstart Envelope).	3		

MASTER MINIMUM EQUIPMENT LIST										
Airplane					Revision 14	Page				
	ERJ 170/ERJ 190		Repa	air c	ategory	29-3				
Systen Seque			2. Number installed							
No.				3. 1	Number required for dispatch					
00 111/					4. Remarks and/or exceptions	<u>s</u>				
29 H Y I	DRAULIC POWER		1	1	<u> </u>					
11-03	Power Transfer Unit (PTU)									
-01	Automatic Activation Function	Α	1	0	(O) May be inoperative provided:a) PTU is selected ON b takeoff and landing, ab) Repairs are made with flight days.	nd				
					NOTE: The HYD PTU NO AUTO Advisory EICAS message displayed.					
11-04	Systems 1 and 2 Filter Manifold Differential Pressure Indicators (DPIs)	Α	6	4	One per system may be inoperative provided repare made within 3 flight of					
11-06	Systems 1 and 2 Case Drain Differential Pressure Indicators	Α	2	0	May be inoperative proving repairs are made within 3 flight days.					
11-10	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 least and b) Associated reservoir quantity is verified one each flight day. 	ied kage,				
11-21	Systems 1 and 2 Electrical Pumps Shock Mounts (EMBRAER 170/175/190/195/ LINEAGE 1000)	С	8	6	One shock mount per pu may be damaged.	mp				

MASTER MINIMUM EQUIPMENT LIST										
Airplane	ERJ 170/ERJ 190				Revision 17	Page 29-4				
Cueten		_	Repa	air c	ategory	20 4				
Syster Seque			2. 1		ber installed					
No.				З. Г	Number required for dispatch 4. Remarks and/or exceptions					
29 HY	DRAULIC POWER					-				
	Systems 1 and 2 Accumulator Pressure Indicators	С	2	0	(M) May be inoperative provided affected accumpre-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.					
12-02	System 3 Filter Manifold Differential Pressure Indicators (DPIs)	Α	2	1	One may be inoperative provided repairs are made within 3 flight days.					
12-04	System 3 Case Drain Differential Pressure Indicators	Α	1	0	May be inoperative provided 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 verified for no evidence of lead and b) Associated reservoir quantity is verified one each flight day. 	ied kage,				
12-11	System 3 Electrical Pumps Shock Mounts (EMBRAER 170/175/190/195 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/ LINEAGE 1000)	С	1	0	(M) May be inoperative provided the pressure attenuator is removed.					

	MASTER MINIMUM EQUIPMENT LIST								
Airplan		RJ 170/ERJ 190	_ \			Revision 14	Page 29-5		
Syster		NO ITOPLINO 130		1. Repair category					
Seque	nce	ITEM		2. N		ber installed Number required for dispatch			
No.					4. Remarks and/or exception	S			
29 HY	DRAL	JLIC POWER							
12-18	Accu	em 3 Imulator sure Indicators	С	1	0	(M) May be inoperative provided affected accum pre-charge pressure is v adequate once each flight day.	erified		
13-00	Grou	ems 1, 2 and 3 and Service nections	С	9	0	 (M) May be inoperative of provided: a) Affected connection is verified for no evident leakage, and b) Associated Reservoir quantity is verified on each flight day. 	s ce of		
31-01		ems 1, 2 and 3 sure Indication IFD	С	6	0	May be inoperative proving HYD 1 (2) (3) LO PRESS Caution message is not displayed on EICAS.			

	MASTER MINIMUM EQUIPMENT LIST										
Airplan					Revision 14	Page 29-6					
	ERJ 170/ERJ 190		Repa	air c	ategory	29-0					
Syster Seque			2. Number installed								
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions	•					
20 HV	DRAULIC POWER				4. Kemarks and/or exceptions	•					
29 1111	DINAULIC FOWLK	1		l							
31-07	Alternating Current Motor Pump (ACMP) Pressure Switch					1					
-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 MF operates normally. 						
-02	ACMP 3B Pressure Switch										
-A		С	1	0	(O) May be inoperative provided:a) ACMP 3B is verified operative before each flight, andb) Hydraulic Page on MF operates normally.						
-B		С	1	0	May be inoperative provide 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 verifi associated Reservoir Qu Indicator once each flight	antity					

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Airplan		ERJ 170/ERJ 190				Revision 14	Page 29-7			
Syste		ERO 170/ERO 130	1. F	1. Repair category						
Seque	nce	ITEM		2. 1		ber installed Number required for dispatch		_		
No	•				•	4. Remarks and/or exception	S			
29 HY	DR/	AULIC POWER			1					
32-01	Qu	stem 2 Reservoir nantity Indication MFD	С	2	0	 (M)(O) May be inoperative provided: a) Quantity is verified adequate on Reservor Quantity Indicator on each flight day, b) Takeoffs are accomply with PTU turned on, accomplished with Electron. c) Takeoffs and landings accomplished with Electron. 	ir 2 ce lished and s are ectric			
33-01	Te	stems 1, 2 and 3 mperature dication on MFD				Deleted, Revision 14.		_		

MASTER MINIMUM EQUIPMENT LIST										
Airplane	e ERJ 170/ERJ 190				Revision 14	Page 30-1				
Cueteu		1. F	Repa	air c	ategory	00 1				
Syster Seque			2. 1		ber installed					
No.				3. г	Number required for dispatch 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	May be inoperative provi associated windshield he system is considered inoperative.					
-02	WING Pushbutton	С	1	0	May be inoperative provi Wing Anti-Ice System is considered inoperative.	ded				
-03	TEST Knob	С	1	0						
11-00	Wing Anti-Ice System									
-01	EMBRAER 170/175/190/195/ LINEAGE 1000	С	1	0	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).	ed in				
-02	EMBRAER 190-E2/ 195-E2	С	1	0	May be inoperative provi a) Airplane is not operat known or forecast icir conditions, and b) Both Flow Control Va are operative.	ed in ng				

	MASTER MINIMUM EQUIPMENT LIST								
Airplane		`	Revision 17			Page 30-2			
	ERJ 170/ERJ 190		1. Repair category						
Systen Seque			2. Number installed						
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions	S			
30 ICE	AND RAIN PROTEC	TIC	N		•				
11-01	Wing Anti-Ice Valves	С	2	0	(M) May be inoperative provided:a) Affected valve is secuclosed, andb) Wing Anti-Ice system considered inoperative	is			
-01	Position Indication								
-A	EMBRAER 170/175/190/195/ LINEAGE 1000	С	2	0	(O) May be inoperative provided Wing Anti-Ice V are verified to operate normally before each flight	j			
					NOTE: During Wing Anti- Valve test, the A- WING NO DISPA Caution EICAS message must no displayed.	I ATCH 			
-В	EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000	С	2	0	May be inoperative provious affected Wing Anti-Ice Valis considered inoperative	alve			
11-09	Wing Anti-Ice Overheat Detection System								
-01	EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000	С	2	1	Except for ER operations may be inoperative provious associated Wing Anti-Ice Valve is considered inoperative.	ded			
					(Continued)				

	MASTER MI	NIN	1UN	MASTER MINIMUM EQUIPMENT LIST									
Airplan					Revision 14	Page							
	ERJ 170/ERJ 190		Zani	noto do riv	30-3								
Syster		1. 1	1. Repair category 2. Number installed										
Seque No.					Number required 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)												
-02	EMBRAER 170/175/190/195 LINEAGE 1000												
-A		С	2	1	(O) Except for ER operativity (C) Except for ER operative provides) Cross Bleed Valve reclosed, except for engite start, (E) Engine Bleed System considered inoperative, and (E) Live animals are not carried in the cargo/baggage compartment. NOTE 1: See AFM for Engine Airsta Windmilling (Engine Airsta Windmilling (Engine Airsta Envelope). NOTE 2: For Engine Bl System inoped dispatch, do reconsider Cross Bleed Valve operating nor (Continued)	ODS ded: mains gine 1 is e, d rt - art eed rative not es							

	MASTER MINIMUM EQUIPMENT LIST								
Airplan					Revision 1	14	Page 30-4		
	ERJ 170/ERJ 190	_	Rep	air c	ategory		30-4		
Syster Seque				Num	nber installed				
No.				3. I		ired for dispatch			
00.105					4. Remarks	and/or exception	<u> </u>		
30 ICE	AND RAIN PROTEC	HC	N	ı	ı				
11-09	Wing Anti-Ice Overheat Detection System (Continued)								
-02	EMBRAER 170/175/190/195 LINEAGE 1000 (Continued)								
-В		С	2	1	Wing Antimay be in a) Cross closed start, ab) Engine	ot for ER operated to ER operative proving Bleed Valve released to ER operative proving the ER operative Bleed System of ER operative ER operation ER operative E	ODS ded: mains gine 2 is		
					NOTE 1:	See AFM for Engine Airstan Windmilling (Engine Airsta Envelope).			
					NOTE 2:	For Engine Bl System inope dispatch, do n consider Cros Bleed Valve operating norr	rative ot s		
					(Continue	d)			

	MASTER MINIMUM EQUIPMENT LIST									
Airplan		70/ED I 400				Revision 14	Page			
		70/ERJ 190		Repa	air c	ategory	30-5			
Syster Seque		ITEM			lum	ber installed				
No.		I I LIVI			3. 1	Number required for dispatch				
00 105	ANDDA	N DDOTEO				4. Remarks and/or exceptions	<u>s</u>			
30 ICE	AND RAI	N PROTEC	HC	N						
11-09	Wing Anti Overheat System (Continue	Detection								
-02	EMBRAE 170/175/1 LINEAGE (Continue	190/195 : 1000								
-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)	red d			

	MASTER MINIMUM EQUIPMENT LIST											
Airplan					Revision '	16	Page					
	ERJ 170/ERJ 190		Ran	air (rategory		30-6					
Syster			Repair category 2. Number installed									
Seque				3.		ired for dispatch						
		<u> </u>			4. Remarks	and/or exception	S					
30 ICE	AND RAIN PROTEC	TIC	N		1							
11-09	Wing Anti-Ice Overheat Detection System (Continued)											
-03	EMBRAER 190-E2/ 195-E2											
-A		A	2	1	ODS may provided: a) Cross closed start, b) Engine consid c) APU P Syster inoper. d) Live ar carried cargo/compa	nimals are not	mains gine 1 is e, d					
					NOTE 2:	Engine Airstal Windmilling (Engine Airsta Envelope).	art 					
					(Continue	For Engine BI System inope dispatch, do n consider Cros Bleed Valve operating nom	rative ot s					

	MASTER MINIMUM EQUIPMENT LIST											
Airplan	e ERJ 170/ERJ 190)			Revision 1	16	Page 30-7					
Cuete			Rep	air c	ategory		30-7					
Syster Seque			2. I		ber installed							
No	•			3. 1		ired for dispatch and/or exception	s					
30 ICE	AND RAIN PROTEC	TIC	N	ı								
	Wing Anti-Ice Overheat Detection System (Continued)											
-03	EMBRAER 190-E2/ 195-E2 (Continued)											
-B		Α	2	1	ODS may provided: a) Cross closed start, b) Engine consid and c) Repair	Anti-Ice Systen be inoperative Bleed Valve red, except for engage Bleed System ered inoperatives are made with days. See AFM for Engine Airstal Windmilling (Engine Airstal Envelope).	mains gine 2 is e, hin					
					NOTE 2:	For Engine BI System inope dispatch, do n consider Cros Bleed Valve operating nom	rative lot s					

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 19	0			Revision 1	16	Page 30-8			
Syster		_	1. Repair category							
Seque	nce ITEM		2.		nber installed Number regu	l ired for dispatch				
No	•			0		and/or exception	s			
30 ICE	AND RAIN PROTEC	CTIC	N							
11-09	Wing Anti-Ice Overheat Detection System (Continued)									
-03	EMBRAER 190-E2/ 195-E2 (Continued)									
-C		A	2	0	provided: a) Both E Systen inopera b) APU P Systen inopera c) Repair	neumatic Bleed in is considered ative, and is are made with thint days.	red d hin rt –			
					NOTE 2:	For Engine BI System inope dispatch, do r consider Cros Bleed Valve operating nor	rative ot s			

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190				Revision 16	Page 30-9				
			Rep	air c	ategory	30-3				
Syster Seque				Num	ber installed					
No.				3. I	Number required for dispatch					
30 ICE	AND RAIN PROTEC	TIC	N		4. Remarks and/or exception	S				
30 101	AND KAIN FROILS	<u> </u>	/1 N	1						
11-11	A-I WING VLV OPEN Status EICAS Message				Deleted, Revision 13. (Included in item 30-11-0	01)				
11-13	A-I WING NO DISPATCH Caution EICAS Message				Deleted, Revision 13. (Included in item 30-11-0	01)				
21-00	Engine Anti-Ice System (EMBRAER 170/175/190/195/ LINEAGE 1000)	С	2	1	Except for ER operations may be inoperative provi airplane is not operated i known or forecast icing conditions.	ded				
21-01	Engine Anti-Ice Valves									
-A	EMBRAER 170/175/190/195/ LINEAGE 1000	С	2	1	 (M) Except for ER operarmay be inoperative provious) a) Affected valve is secur closed, and b) Airplane is not operative known or forecast icir conditions. 	ded: ired ed in				
-B	EMBRAER 170/175/190/195/ LINEAGE 1000	С	2	0	(M)(O) May be inoperative provided: a) Affected valve is secutopen, and b) Appropriate performat penalties are applied. (Continued)	ıred nce				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan		RJ 170/ERJ 190				Revision 16	Page			
		:KJ 1/0/EKJ 190		Repa	air c	ategory	30-10			
Syster Seque		ITEM			Num	ber installed				
No.					3. 1	Number required for dispatch 4. Remarks and/or exception	6			
30 ICE AND RAIN PROTE				N		4. Nemarks and/or exception	3			
21-01	Valv	ine Anti-Ice res ntinued)								
-C	EME 195	BRAER 190-E2/ ·E2	С	2	0	 (M)(O) Pressure Regulat Modules may be inoperal provided: a) Affected Pressure Regulation Module is secured open, b) Associated Shutoff Mis verified operative, at a common or forecast icin conditions. 	tive odule and d in			
-D	195	BRAER 190-E2/ ·E2, Post-Mod. GINE FADEC 9.6	C	2	0	 (M)(O) Pressure Regulat Modules may be inopera provided: a) Affected Pressure Regulation Module is secured open, b) Associated Shutoff Mis verified operative, at Affected engine ITT margins are verified to within limits. (Continued) 	tive 			

	MASTER MINIMUM EQUIPMENT LIST										
Airplane					Revision 14	Page 30-11					
	ERJ 170/ERJ 190	1 6	1. Repair category								
Syster			2. Number installed								
Seque No.			3. Number required for dispatch								
					4. Remarks and/or exceptions	<u>s</u>					
30 ICE	AND RAIN PROTEC	TIC	N		<u> </u>						
21-01	Engine Anti-Ice Valves (Continued)										
-01	Position Indication (EMBRAER 170/175/190/195/ LINEAGE 1000)										
-A		С	2	1	 (M)(O) Except for ER operations, position indic may be inoperative provided a) Affected valve is securally closed, b) Airplane is not operate known or forecast icin conditions, and c) Appropriate performan penalties are applied. 	ded: ired ed in ig					
-B		С	2	0	(M)(O) May be inoperative provided:a) Associated valve is secured open, andb) Appropriate performant penalties are applied						
-C		С	2	0	 (O) May be inoperative provided: a) Associated Engine Ar Valve is verified to openormally before each and b) Appropriate performal penalties are applied. 	erate flight,					
21-09	A-I ENG 1 (2) VLV OPEN Status EICAS Message				Deleted, Revision 13. (Included in item 30-21-0	1)					

	MASTER MINIMUM EQUIPMENT LIST									
Airplane					Revision 14	Page 30-12				
_	ERJ 170/ERJ 190		1. Repair category							
Syster Seque			2. Number installed							
No.			3. Number required for dispatch							
20 ICE	AND RAIN PROTEC		NA I		4. Remarks and/or exceptions	>				
30 ICE	AND RAIN PROTEC	I	אי	1						
31-00	Air Data Smart Probes ADSP Heater Controllers (EMBRAER 170/175/190/195/ 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 ADSP may be inoperative					
33-00	Total Air Temperature (TAT) Heaters									
-A		В	2	1	 (O) May be inoperative provided: a) Autopilot and Autothroare not coupled to the affected Air Data Syst and b) TAT indications are displayed normally. 	!				
-B		В	2	0	 (O) Except for ER operating may be inoperative provided a) TAT indications are displayed normally, b) Airplane is not operated visible moisture or in known or forecast icinic conditions, c) Autopilot is considered inoperative, and d) Autothrottle is considered inoperative. 	ded: ed in g d				

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	e ERJ 170/ERJ 190				Revision 17	Page 30-13					
Systen Seque No.	n & nce ITEM			lum	ategory ber installed lumber required for dispatch 4. Remarks and/or exceptions						
30 ICE	AND RAIN PROTEC	TIO	N								
41-00	Windshield Wiper System	С	2	0	May be inoperative provious a) Airplane is not operate precipitation within 5 nautical miles of the a of takeoff or intended landing, and b) Operations do not requipe their use.	ed in irport					
-01	Low Speed Mode	С	2	0	May be inoperative provious associated High Speed Moperates 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	D		0	May be inoperative.						

	MASTER MINIMUM EQUIPMENT LIST										
Airplane		ERJ 170/ERJ 190				Revision 1	16	Page 30-14			
0		LIKO ITO/LIKO 100		Rep	air c	ategory		00 14			
Syster Seque		ITEM		2. I		ber installed					
No.					3. 1		ired for dispatch and/or exception	s			
30 ICE	AN	ID RAIN PROTEC	TIC	N	l		<u></u>	<u>-</u>			
71-02	Dra	ain Mast Heater	С	-	0	provided: a) Water associal lavator b) Proced establia ensure galley used.	supply to the ated galley and by is secured of dures are shed and used that the associatink drain is no otable water inf	I f, and to siated it			
						dra	ainage system inhibited.				
71-03	Dra	ain Port Heater						1			
-01 ***	170	IBRAER 0/175/190/195/ IEAGE 1000	D	1	0	provided t and galley	e inoperative he forward lava sink drain are round 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 o Tis			
						(Continue	d)				

	MASTER MINIMUM EQUIPMENT LIST									
Airplane	e ERJ 170/ERJ 190				Revision 16	Page				
		1. F	Repa	air c	ategory	30-15				
Syster Seque				lum	ber installed					
No.				3. 1	Number required for dispatch					
20 ICE	AND RAIN PROTEC	TIC	NI.		4. Remarks and/or exception	5				
30 10 0	AND RAIN PROTEC	l	אוי							
71-03	Drain Port Heater (Continued)									
-02	EMBRAER 190-E2/ 195-E2	С	1	0	May be inoperative proving Potable Water System is drained on ground when is below 0 °C (32 °F).	not				
					NOTE: Potable water influence of the 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 procedure established and used					
-B		D	1	0	May be inoperative provious operations do not require use.					

		NIN	IUN	ΙE	QUIPMENT LIST	•			
Airplane	e ERJ 170/ERJ 190				Revision 16	Page 30-16			
			Repa	air c	ategory	30-16			
Systen Seque			2. 1	Num	ber installed				
No.				3. 1	Number required for dispatch 4. Remarks and/or exception				
30 ICE	AND RAIN PROTEC	TIC	M		4. Remarks and/or exception	<u>s</u>			
30 ICL	AND NAIN FROILS	C	/1 4						
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, and b) Alternate procedures established and used	at nd are			
-B		С	_	0	(M) May be inoperative provided: a) Associated manual sl valve is deactivated closed, and b) Associated lavatory d locked and placarded "INOPERATIVE - DOENTER".	loor is			

	MASTER MINIMUM EQUIPMENT LIST								
Airplan	e ERJ 170/ERJ 190	,			Revision 1	16	Page 30-17		
Cuetan		_	Rep	air c	ategory		30-17		
Syster Seque				Num	nber installed				
No.	•			3. 1		ired for dispatch and/or exception	s		
30 ICE	AND RAIN PROTEC	TIC	N			<u></u>			
71-11	Fill/Drain Valve Heater (EMBRAER 190-E2/ 195-E2)	С	1	0		operative provi Valve is consid e.			
71-50 ***	Freeze Protection Kit (FPK)								
-A		С	-	-	may be in a) FPK is once e b) Potable drained	dual componen operative provi tested operation ach flight day, e Water Systerd when parking water freezing ons.	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	provided: a) Potable drained b) Proced establi ensure	shed and used that the Potab System is not	, and to		

MASTER MINIMUM EQUIPMENT LIST									
Airplane	ERJ 170/ERJ 190				Revision 16	Page 30-18			
	LIG 170/ERJ 190	1. F	Repa	air c	ategory	30-10			
System & Sequence	ITEM			lum	ber installed				
No.	II LIW			3. 1	Number required for dispatch				
20 ICE AR	ND RAIN PROTEC	TIO	NI.		4. Remarks and/or exception	S			
30 ICE AI	ND RAIN PROTEC	110	'IN						
81-00 Ice	e Detector System								
-A		С	2	0	May be inoperative provi airplane is not operated i known or forecast icing conditions.				
-В		C	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	e ERJ 170/ERJ 190				Revision 14	Page 31-1			
			Rep	air c	ategory	31-1			
Syster Seque			2. I		ber installed				
No.				ა. ו	Number required for dispatch 4. Remarks and/or exceptions	s			
31 IND	OICATING/RECORDIN	IG S	SYS	STE	•				
00-00	Status Synoptic Displays (MFD Status Page)	С	2	0	(O) MFD Indications not addressed elsewhere in t MMEL may be inoperativ	-			
16-01	REMOTE CB TRIP Advisory EICAS message				Deleted, Revision 13 (Included in item 24-52-0	1).			
21-00	Clock System								
-01	Time Function on Digital Clock (EMBRAER 170/175/190/195/ LINEAGE 1000)	С	1	0	May be inoperative provious tleast one Time Function MFD Status Page operations normally.	on on			
-02	Time Function on MFD Status Page								
-A	EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000	С	2	1		I			
-B	EMBRAER 170/175/190/195/ LINEAGE 1000	A	2	0	May be inoperative provious) a) Time Function on Dig Clock operates normal b) At least one Cockpit \(\text{Recorder (CVR) funct operates normally, an c)} \) c) Repairs are made with flight days.	ital ally, /oice :ion d			

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190)			Revision 14	Page 31-2				
Syster					ategory	I .				
Seque	nce ITEM		2. 1		ber installed Number required for dispatch					
No					4. Remarks and/or exception	S				
31 INE	ICATING/RECORDIN	IG :	SYS	STE	MS					
22-00	Chronometer System									
-01	Chronometer Function on Digital Clock (EMBRAER 170/175/190/195/ LINEAGE 1000)	С	1	0	May be inoperative provi at least one Chronomete Function on PFD operate normally.	er				
-02	Elapsed Time Function on Digital Clock (EMBRAER 170/175/190/195/ LINEAGE 1000)	С	1	0						
-03	Chronometer Function on PFD									
-A	EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000	С	2	1		I				
-B	EMBRAER 170/175/190/195/ LINEAGE 1000	С	2	0	May be inoperative provi Chronometer Function o Digital Clock operates normally.					

	MASTER MINIMUM EQUIPMENT LIST									
Airplane		70/ERJ 190				Revision 14	Page 31-3			
System	n &		1. F	Repair category Number installed						
Seque No.		ITEM			3. 1	Number required for dispatch				
31 IND	ICATING/	RECORDIN	G S	SVS	TF	4. Remarks and/or exception	S			
	Digital Voi Recorder System	ce-Data								
-01	Cockpit Vo Recorder Function									
-A			С	2	1					
-A -B			A	2 2	0	May be inoperative provi a) At least one Flight Da Recorder (FDR) funct operates normally, ar b) Repairs are made wit three flight days. (Continued)	ita tion nd			

	MASTER MINIMUM EQUIPMENT LIST								
Airplan	e ERJ 170/ERJ 190)			Revision 14	Page 31-4			
Syster	n &		Repair category Number installed						
Seque No.					Number required for dispatch				
21 INIT	ICATING/RECORDII	16	eve	TE	4. Remarks and/or exception	S			
	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 pri takeoff, or 2-The FDR repair was attempted but was no successful. c) In those cases where repair is attempted bu successful, the aircrai 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 or 's curs ior to state that not fit in a ted in ust r to			

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	e ERJ 170/ERJ 190		Revision 17 Page 31-5								
		1. F	1. Repair category								
Syster Seque			2. Number installed								
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions	•					
31 IND	ICATING/RECORDIN	G S	SYS	TF		•					
31-00	Digital Voice-Data Recorder (DVDR) System (Continued)										
-02	Flight Data Recorder (FDR) Function (Continued)										
-C	DFDR Recording Parameters required by local regulations	Α	1	-	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	ı	ı	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.	j					
32-00	Quick Access Recorder (QAR)	D	1	0							
41-03	Aircraft Personality Module (APM)	С	4	2							

	MASTER MINIMUM EQUIPMENT LIST									
Airplan					Revision 14	Page				
	ERJ 170/ERJ 190		Repa	air c	ategory	31-6				
Syster Seque				lum	ber installed					
No.				3. 1	Number required for dispatch					
21 INIT	DICATING/RECORDIN	L 9	276	TE	4. Remarks and/or exceptions	5				
31 INL	ICATING/RECORDIN	G () i c) [INIO					
41-08	Modular Avionic Unit (MAU) Fans									
-01	MAU 1 Fans									
-A	EMBRAER 170/175/190/195/ LINEAGE 1000	С	4	3						
-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/ LINEAGE 1000)	С	3	2						
41-30	Configuration Monitor System (CMS)	С	2	1						
51-00	Aural Warning System									
-01	Channels	С	2	1	May be inoperative provious all Master Warning/ Caut Pushbuttons/ Annunciate are operative.	ion				
51-01	Takeoff Configuration (T/O CONFIG) Button	С	1	0	(O) May be inoperative provided Takeoff Configuration Warning is verified to operate norma before each flight.	illy				

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Airplan	e ERJ 170/ERJ 190				Revision 16	Page 31-7					
Syster					ategory ber installed						
Seque No.			2. r		Number required for dispatch						
	ICATING/RECORDIN	IG S	SVS	:TF	4. Remarks and/or exceptions	5					
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 proced are established and used						
-B		D	-	0	May be inoperative provious procedures do not require use.						
61-00	Synthetic Vision System (SVS)	С	2	0	(O) May be inoperative provided system is verified deactivated.	ed 					

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Airplane					Revision 16	Page				
	ERJ 170/ERJ 190		1. Repair category							
System		'	2. Number installed							
Sequei No.				3. 1	Number required for dispatch					
		Щ	لب		4. Remarks and/or exception	<u>s</u>				
31 IND	ICATING/RECORDIN	GS	SYS	šΙΕ	:MS					
61-01	Display Units (DU)									
-A	EMBRAER 170/175/190/195/ 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 operate 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. 	it is os 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 or 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				
61-02	Reversionary Panel (ADS/IRS) Pushbutton Illumination	С	4	0	(O) May be inoperative provided associated pushbutton is verified operative.					

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Airplane	ERJ 170/ERJ 190				Revision 17	Page 31-9				
System & Sequence ITEM No.		1. F		lum	ategory ber installed Number required for dispatch 4. Remarks and/or exception					
31 IND	ICATING/RECORDIN	G S	SYS	STE						
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 inoperative 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)					

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	e ERJ 170/ERJ 19	90			Revision 14	Page 31-10					
Syster Seque No.	n & nce ITEM			Num	lategory sher installed Number required for dispatch 4. Remarks and/or exception						
31 IND	ICATING/RECORD	ING S	SYS	STE							
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.						
-B		A	2	0	 (O) May be inoperative provided: a) EGPWS is considered inoperative, b) Operations do not redits use, and c) Repairs are made with two flight days. (Continued) 	quire					

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Airplane					Revision 14	Page 31-11				
	ERJ 170/ERJ 190		Repa	air c	ategory	31-11				
Systen Seque				Num	ber installed					
No.				3. 1	Number required for dispatch					
31 INID	ICATING/RECORDIN				4. Remarks and/or exceptions	5				
31 IND	ICATING/RECORDIN	G) i c) [
61-10	Display Controller Panels (Continued)									
-06	Navigation Source Selector Buttons									
-A	V/L Source Selector Buttons (EMBRAER 170/175/190/195/ LINEAGE 1000)	С	2	0	May be inoperative proving procedures do not require their use.					
-В	NAV Source Selector Buttons (EMBRAER 190-E2/ 195-E2)	С	2	0	May be inoperative provious 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	1	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 proving required units for the intending flights are available.					

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Airplan	e ERJ 170/ERJ 190					Page 31-12						
			Repa	air c	ategory	31-12						
Syster Seque				Num	ber installed							
No.				3. r	Number required for dispatch 4. Remarks and/or exceptions							
31 INC	ICATING/RECORDIN	IG S	SYS	STE	MS							
62-01	Cursor Control Device (CCD)											
-01	Display Selection Buttons											
-A	EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000	В	6	5	One MFD or PFD button me be inoperative provided all remaining CCD buttons, knobs and touch pad operanormally on both sides.							
-B	EMBRAER 190-E2/ 195-E2	В	6	4	MFD buttons may be inoperative provided button associated with the same MFD on opposite CCD are verified operative.							
-02	Enter Buttons	В	4	3	One may be inoperative provided all remaining CCI buttons, knobs and touch poperate normally on both sides.							
-03	Inner Tuning Knob	В	2	1	One may be inoperative provided all remaining CCI buttons, knobs and touch poperate normally on both sides.							
-04	Touch Pad	В	2	1	One may be inoperative provided all remaining CCI buttons and knobs operate normally on both sides.							

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Airplan		/ED 400				Revision 14	Page			
	EKJ 170	/ERJ 190	1. F	Repa	air c	 ategory	32-1			
Syster Seque		ЕМ			Num	ber installed				
No.		CIA1			3. 1	Number required for dispatch				
00 1 4	VIDING OF A					4. Remarks and/or exception	s			
32 LA	NDING GEA	K	1		1					
00-00	A-BRK RTO/HI/ME Indication o		С	1	0	May be inoperative provi Autobrake System is considered inoperative.	ded			
33-01	Landing Ge Control Lev Solenoid		В	1	0	 (O) May be inoperative provided: a) EICAS message LG of SYS FAIL is not displand b) The downlock release button is verified to opnormally. 	ayed, e			
41-01	Wheel Tie E (EMBRAER 195-E2)		A	92	91	 (M) One bolt may be damaged or missing profanal affected wheel is chefor broken parts or damage, and replace broken parts or damage, and replace broken parts or damage wheel, associated brachecked for broken por damage, and is replaced if broken padamage is found, c) After each landing, affected wheel is inspfor additional broken missing tie bolts, and d) Affected wheel is replaced wheel is replaced wheel is replaced wheel is replaced within ten flights. 	cked d if age is ear ake is arts or bected or			

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	e ERJ 170/ERJ 190				Revision 14	Page 32-2					
	EKJ 170/EKJ 190		Repa	air c	ategory	32-2					
Syster					ber installed						
Seque No.				3. 1	Number required for dispatch						
					4. Remarks and/or exceptions	s					
32 LAI	NDING GEAR	1			<u> </u>						
41-02	Autobrake System										
-01 ***	EMBRAER 170/175/190/195/ LINEAGE 1000										
-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 I are					
-B		D	1	0	(M) May be inoperative provided:a) Autobrake Control Mois removed, andb) Procedures do not redits use.						
-02	EMBRAER 190-E2/ 195-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 I are					
44-17	Emergency/Parking Brake Accumulators Pressure Transducers	С	2	0	(M) May be inoperative provided associated accumulator charge is ve within limits once each fli day.						

MASTER MINIMUM EQUIPMENT LIST										
				Revision 14	Page 32-3					
					02 0 1					
		2. 1								
			J. 1		S					
NDING GEAR				•						
Emergency/ Parking Brake Accumulators Pressure Indication on MFD	С	4	0							
Brake Temperature Sensors										
	С	4	3	provided Landing Gear						
	C	4	0	extended for seven minutes after takeoff, b) Brake cooling time according to AFM Qui Turn Around Weight limitations is complied NOTE: In case of engine	and ick I with.					
	ERJ 170/ERJ 190 M & nce ITEM NDING GEAR Emergency/ Parking Brake Accumulators Pressure Indication on MFD Brake Temperature	ERJ 170/ERJ 190 m & ITEM NDING GEAR Emergency/ Parking Brake Accumulators Pressure Indication on MFD Brake Temperature Sensors C	ERJ 170/ERJ 190 m & 1. Reparation 2. Marking Brake Accumulators Pressure Indication on MFD Brake Temperature Sensors C 4	ERJ 170/ERJ 190 m & 1. Repair of 2. Num 3. I NDING GEAR Emergency/ Parking Brake Accumulators Pressure Indication on MFD Brake Temperature Sensors C 4 3	Revision 14 Revision 14 R					

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Airplane					Revision 14	Page					
	ERJ 170/ERJ 190	1. Repair category									
Syster		1. 1	2. Number installed								
Seque No.				3. 1	Number required for dispatch						
140.					4. Remarks and/or exception	s					
32 LAI	NDING GEAR		1	1							
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, rothe 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 Qui Turn Around Weight limitations is complied 	and ick					
					NOTE: In case of engine failure after V1, rethe landing gear.						
49-11	Brake Assembly Wear Indicator										
-A		А	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	1	0							
		l		l							

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_			Repa	air c	ategory	32-3				
Syster Seque				Num	ber installed					
No.				3. I	Number required for dispatch 4. Remarks and/or exceptions					
32 I ΔI	NDING GEAR	l	l .		4. Remarks and/or exceptions					
	Rudder Pedals Nose Wheel Steering System	С	2	0	May be inoperative provide Handwheel Nose Wheel Steering System operates 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 verification in ENGAGE position, b) Disengage Switch on your is pressed before towing the airplane, and c) Parking brake and steed status are verified befortowing the airplane. 	oke ig ering				
-B		С	1	0	 (M)(O) May be inoperative provided: a) Affected switch is deactivated, b) Disengage Switch on y is pressed before towin the airplane, and c) Parking brake and stee status are verified befo towing the airplane. 	oke ig ering				

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•		170/1103 190		Repa	air c	ategory	32-0			
Syster Seque	n & nce	ITEM			Num	ber installed				
No.					3. 1	Number required for dispatch 4. Remarks and/or exceptions	s			
32 LA	NDING G	EAR				The transfer of the property of				
	Landing									
-01	System I (EMBRA 195-E2)	Faults ER 190-E2/	С	-	-	May be dispatched with LG SHORT DISPATCH Advisory EICAS Messag	e.			
61-11			С	2	0		nd ed			

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Airplane		/				Revision 14	Page				
	ERJ 1	70/ERJ 190	_	200	-i		33-1				
Systen			1. [_		ategory ber installed					
Sequer No.	nce	ITEM				Number required for dispatch					
140.						4. Remarks and/or exception	S				
33 LIG	HTS		_		_						
10-00	Cockpit/F Deck/Fligl Compartn Instrumer Systems	ht nent and									
-A			С	-	0	May be inoperative provi operations are not conduat night.					
-B			С			Individual lights may be inoperative provided: a) Remaining lights are sufficient to clearly illuminate all required instruments, controls, other devices for which they are provided, b) Remaining lights are positioned so that dire rays are shielded from flight crewmembers' (c) Lighting configuration intensity is acceptable the flight crew, and (d) Flight Deck emergence lights operate normal NOTE: Individual button switch lights and annunciations/indications are excluded from the relief.	and ch ect n eyes, and e to cy ly.				

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Cueter			₹ера	air c	ategory	33-Z				
Syster Seque			2. 1		ber installed Number required for dispatch					
No.	ı			3. i	4. Remarks and/or exception	 S				
33 LIG	HTS				•					
12-01	Multi Channel Dimmer									
-01	Cockpit Lights OFF/BRT Knob	С	3	0	May be inoperative provilighting configuration and intensity is acceptable to flight crew.	l				
-02	Glareshield Lights DIM/BRT Knob	С	4	0	May be inoperative provilighting configuration and intensity is acceptable to flight crew.	l				
-03	Display Units DIM/BRT Knob									
-A	EMBRAER 170/175/190/195/ 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						

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Syster		ITEM				ber installed					
Seque No.		ITEM			3. 1	Number required for dispatch					
						4. Remarks and/or exception	S				
33 LIG	HTS										
21-00 -01 -A	Cab Illum EME	in Interior nination System BRAER /175/190/195	C			May be inoperative provious) Alto more than 10 percof the ceiling lights are inoperative, b) No more than two adceiling lights in the longitudinal or lateral direction are inoperated. C) At least one light operormally in the forward entrance area, aft entarea, and forward galarea, d) Remaining operative in the forward entrance area, forward galley aft entrance area, and ceiling area operate in BRIGHT setting, e) Adequate cabin illumination remains for flight attendants to pertheir assigned duties, f) Cabin emergency light operate normally. (Continued)	cent re rive, rates rd trance lley lights ce area, d n				

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Syster Seque		ITEM			Num	ber installed					
No.					3. 1	Number required for dispatch 4. Remarks and/or exception	S				
33 LIG	HTS					•					
21-00	Illum	in Interior nination System ntinued)									
-01	170/	BRAER 175/190/195 ntinued)									
-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 inoperated: c) Photoluminescent Es Route Marking System charged 30 minutes of flight day before the falight of each day, d) Remaining operative ceiling lights operate BRIGHT setting, e) Adequate cabin illumination remains falight attendants to pertheir assigned duties, f) Cabin emergency light operate normally. (Continued) 	ive, cape m is each irst in or erform and				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan		D 1470/ED 1400				Revision 14	Page			
		RJ 170/ERJ 190		Repa	air c	ategory	33-5			
Syster Seque		ITEM			lum	ber installed				
No.					3. 1	Number required for dispatch 4. Remarks and/or exceptions				
33 LIG	ште					4. Remarks and/or exceptions				
33 LIG	шз									
21-00	Illun	in Interior nination System ntinued)								
-02	LINE	EAGE 1000	С	-	-	 Individual lights may be inoperative provided: a) No more than 10 perce of the ceiling lights are inoperative, b) No more than two adjaceiling lights in the longitudinal or lateral direction are inoperative and c) Cabin emergency lights operate normally. 	cent e,			
-03	EME 195-	BRAER 190-E2/ -E2	С			 May be inoperative provided. a) No more than one ceiling light is inoperative per ceiling light panel, b) Ceiling light panels with inoperative lights are separated by at least to ceiling light panels with lights operative, c) Adequate cabin illumination remains for flight attendants to perfitheir assigned duties, at additional contents. d) Cabin emergency lights operate normally. 	ng wo a all r form			

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Airplane		470/FD 1 400				Revision 14	Page			
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Syster		1754	'			ber installed				
Seque No.		ITEM			3. 1	Number required for dispatch				
						4. Remarks and/or exceptions	s			
33 LIG	HTS									
21-01	Interior E Lights	Emergency	С		0	 (O) May be missing or inoperative provided: a) No passengers are cabby A maximum of 19 per are carried as authorized by local regulations for non-passenger-carrying operations, and c) Alternate procedures established and used. 	sons zed or ng are			
21-10	11-10 Cabin Sidewall Lights		С	1	1	May be inoperative provious sufficient lighting is availated for flight attendants to petheir assigned duties.	able			
23-00	Passeng	jer Signs								
-A			С			(M)(O) No passenger sea 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 lavatory must be blocked placarded "DO NOT OCCUPY". (Continued)	d elt/ ot eat or			

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			Rena	air o	ategory							
Syster					ber installed							
Seque					Number required for dispatch							
No.	•				4. Remarks and/or exception	S						
33 LIG	HTS											
23-00	Passenger Signs (Continued)											
-B		С			(O) "No Smoking/Fasten Belt/Return to Seat" sign may be inoperative and taffected passenger seat(flight attendant seat(s) or lavatory(ies) may be occ provided: a) The passenger addresystem operates normand can be clearly he throughout the cabin during flight, and b) The passenger addresystem is used to not flight attendant and passengers when seabelts should be faster and when smoking is prohibited.	s he 's), upied ss nally ard ss						
-C		С	-	-	May be inoperative provi passengers are not carrie							
23-03	Lavatory Occupied Signs	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 procedure established and used							
26-00	Courtesy Lights System	С	1	0	May be inoperative provi sufficient light is available stairs region.							

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Airplane	ERJ 170/ERJ 190				Revision 14	Page 33-8					
Syster	n &	1. F			ategory						
Seque			2. N		ber installed						
No.				3. r	Number required for dispatch 4. Remarks and/or exceptions	•					
33 LIG	ште				4. Remarks andror exceptions	<u> </u>					
33 LIG	піз										
28-00	Lavatory Lights System										
-A		С	2	0	(O) May be inoperative provided affected lavator door is locked and placar "INOPERATIVE - DO NO ENTER".	ded					
					NOTE: This proviso is no intended to prohil lavatory use or inspections by crewmembers.						
-В		D	-	-	Individual lights may be inoperative provided remaining lights are sufficed for lavatory illumination.	 cient 					
28-01	Lavatory Dome Light (EMBRAER 170/175/190/195/ LINEAGE 1000)				Deleted, Revision 14 (Included in item 33-28-0	0).					
28-03	Lavatory Fluorescent Lights (EMBRAER 170/175/190/195/ LINEAGE 1000)				Deleted, Revision 14 (Included in item 33-28-0	0).					
	Lavatory Door Latch Engage Micro Switch	С	2	0	(O) May be inoperative provided:a) Lavatory Manual Swit verified operative, andb) Lavatory Manual Swit used to operate the lavatory lights.	t					
28-09	Lavatory Manual Switch	С	2	1							

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			Repa	air c	ategory	33-9						
Syster Seque				lum	ber installed							
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions	s						
33 LIG	HTS											
31-00	Forward and Aft Cargo/Baggage Compartment Lights	С	1	0								
31-02	Cargo Compartment Light Cages	С	1	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		С	3	2	NOTE: For aircraft with L lights installed, th Landing Lights ar considered inope when any individe LED light bulbs a inoperative.	ie ⁻ e rative ual						
-B		С	3	0	May be inoperative provi aircraft is not operated at night.							
					NOTE: For aircraft with L lights installed, th Landing Lights ai considered inope when any individe LED light bulbs a inoperative.	ie ⁻ e rative ual						
42-00	Taxi Lights	С	3	0								

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Airplan	e ERJ 170/ERJ 190				Revision 14	Page 33-10					
			Repa	air c	ategory	33-10					
Syster					ber installed						
Seque No.				3. 1	Number required for dispatch						
					4. Remarks and/or exception	s					
33 LIG	HTS	1									
43-00	Navigation Lights										
-01	Aircraft Equipped With Two Navigation Lights System	С	8	4	 (M) Any light may be inoperative provided: a) Navigation light switch the maintenance paneset manually, and b) The following minimule configuration is compwith: 1-One green light at the right forward wing tip position, 2-One red light at the forward wing tip positiond 3-One white light at eaft wing tip position. 	el is m lied he left ion,					
-02	All Configurations	С	1	0	May be inoperative provi aircraft is not operated at night.						
44-00	Wing Inspection Lights										
-A		С	2	0	May be inoperative provi operations are not condu at any time into known or forecast icing conditions.	ıcted r					
-B		С	2	0	May be inoperative proviground de-icing proceduled not require their use.						
-C		D	2	0	May be inoperative for daylight operations.						
45-00	Red Beacon Lights	С	2	0	(O) May be inoperative provided strobe lights op normally.	erate 					

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Syston		.K3 170/LK3 190				ategory	33-11			
Syster Seque	nce	ITEM		2. 1	-	ber installed Number required for dispatch				
No.					0. 1	4. Remarks and/or exception	S			
33 LIG	HTS		1	1						
46-00	Logo	Lights	D	2	0					
47-00	Stro	be Lights								
-A		anes with LED 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	Red certi	lanes with LED Beacon fied as anti- sion lights	С	4	0	May be inoperative provi both Red Beacon operat normally.				
-C	Halo	lanes with ogen Red con Lights	С	4	0	(M) May be inoperative provided RED BCN switch the Cockpit Maintenance Panel is set to "BRT".				

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Syster		<u> </u>	1. F	Repa	air c	ategory	,			
Seque		ITEM		2. 1		ber installed Number required for dispatch				
No	•				J. 1	4. Remarks and/or exception	S			
33 LIG	HTS									
50-21	Photolumir Escape Ro Marking Sy	oute								
-01	EMBRAER 170/175/19		С	-	-	Up to 10 percent of all Photoluminescent Escap Route Marking sections be inoperative or missing	may			
-02	EMBRAER 170/175/19 190-E2/19	00/195/								
-A			С	-	_	May be inoperative or miprovided: a) All strips marking inclor or right angle intersections aisles overwing exits, are operative, b) The sections of inoperor 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 incompand) d) Along each aisle axis strips within one meters strips marking angled intersections are operative.	ined ctions, and erative e a 25 m ches), , all er of			

MASTER MINIMUM EQUIPMENT LIST									
Airplan		RJ 170/ERJ 190				Revision 17	Page 33-13		
		.NJ 170/ENJ 190		Repa	air c	ategory	33-13		
Syster Seque		ITEM		2. 1	Num	ber installed			
No					3. 1	Number required for dispatch 4. Remarks and/or exception	•		
33 LIG	STH		l			4. Remarks and/or exception	3		
	Pho Esca Marl	toluminescent ape Route king System ntinued)							
-02	170/ 190-	BRAER 175/190/195/ E2/195-E2 ntinued)							
-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		

MASTER MINIMUM EQUIPMENT LIST											
Airplane	e ERJ 170/ERJ 190				Revision 14	Page 33-14					
	_		Repa	air c	ategory	33-14					
Systen Seque				lum	ber installed						
No.				3. 1	Number required for dispatch						
22 1 10	LITO				4. Remarks and/or exceptions	j					
33 LIG	ніэ	I	I								
50-25	External Overwing Emergency Lights										
-01	EMBRAER 190/195/ 190-E2/195-E2/ LINEAGE 1000	В	-	0	May be inoperative provio aircraft is not operated at night.	bek 					
-02	EMBRAER 190/195/ 190-E2/195-E2										
-A		Α	-	-	One or more lights on one side only may be inoperated: a) Associated Overwing Emergency Exit Door considered inoperative and b) Repairs are made with five flights.	tive is e,					
-B		С	-	0	 (O) May be missing or inoperative provided: a) No passengers are ca b) A maximum of 19 pers are carried as authoriz by local regulations for non-passenger-carryir operations, and c) Alternate procedures a established and used. 	sons zed r ng are					
50-29	External Exit Door Emergency Lights (EMBRAER 190-E2/ 195-E2)	В	4	0	May be inoperative provide aircraft is not operated at night.	ded					

	MASTER MINIMUM EQUIPMENT LIST									
Airplane		170/ERJ 190		Revision 14 Page 33-15						
	LINU	170/210 130		2an	air c	eatenory	00 10			
System	&		١. ١	. Repair category 2. Number installed						
Sequen	ce	ITEM		2. 1		Number required for dispate	, h			
No.					J. 1	4. Remarks and/or excepti				
						4. Remarks and/or excepti	UIIS			
33 LIGI	HTS									
50-30	Exit Maı	rkings	A	-	-	One may be inoperative provided: a) Associated exit is considered inoperative and b) Repairs are made with five flights.	tive, vithin			
						NOTE: If any twin ove exits are serve single sign, bot should be consinoperative.	d by a h exits			

	MASTER MINIMUM EQUIPMENT LIST										
Airplan					Revision 14	Page					
	ERJ 170/ERJ 190	1. F	Rena	air c	ategory	34-1					
Syster Seque			2. 1	Num	ber installed						
Seque No.		3. Number required for dispatch									
04 NA	VIO ATIONO				4. Remarks and/or exceptions	<u>s</u>					
34 NA	VIGATIONS	ı	ı	ı							
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 I					
-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 providing 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									
Airplane ERJ 170/E	R.I.190			Revision 14	Page 34-2				
		Repa	air c	ategory	34-2				
System & Sequence ITEM			lum	ber installed					
No.			З. Г	Number required for dispatch 4. Remarks and/or exception	s				
34 NAVIGATIONS	L	1 1							
15-03 Total Air Temperature Sensors	(TAT)								
-A	В	2	1	 (O) May be inoperative provided: a) Autopilot and Autothr are not coupled to the affected Air Data Sys and b) TAT Heater associate with operative TAT se is operative. 	e tem, ed				
-B	В	2	1	 (O) May be inoperative provided: a) Autopilot and Autothr are not coupled to the affected Air Data Sys and b) Airplane is not operat visible moisture or in known or forecast icir conditions. 	e tem, red in				

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	e ERJ 170/ERJ 190				Revision 14	Page 34-3					
System					ategory	040					
Syster Seque			Number installed Number required for dispatch								
No.				J. 1	4. Remarks and/or exceptions	S					
34 NA	VIGATIONS										
15-07	Static Air Temperature (SAT) Indications										
-01	EMBRAER 170/175/190/195/ LINEAGE 1000	С	6	0							
-02	EMBRAER 190-E2/ 195-E2										
-A	MFD Status Page SAT Indications	С	2	0	May be inoperative provious MFD Map/Plan Display Sindications are operative.	AT					
-B	MFD Map/ Plan Display SAT Indications	С	2	0	May be inoperative provious 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		ERJ 170/ERJ 190				Revision 14	Page 34-4			
_		ENJ 170/ENJ 190		Repa	air c	ategory	34-4			
Systen Seque		ITEM			Num	ber installed				
No.		I I LIVI			3. 1	Number required for dispatch				
						4. Remarks and/or exception	S			
34 NA	VIG	ATIONS	1		1					
23-00		ndby Magnetic mpass System								
-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			
-В			С	1	0	enroute phase of flight. May be inoperative provi a) Aircraft is operated w Dual Independent Navigation Capability b) Two GPS operate normally.	ith			

	MASTER MINIMUM EQUIPMENT LIST										
Airplan					Revision 16	Page					
	ERJ 170/ERJ 190		2an	ir c	estogony	34-5					
Syster		1. 1	Repair category Number installed								
Seque No.					Number required for dispatch						
140.					4. Remarks and/or exception	S					
34 NA	VIGATIONS										
25-00 ***	Head Up Guidance System (HGS) (EMBRAER 170/175/190/195/ LINEAGE 1000)										
-A		С	2	1	(O) May be inoperative provided alternate procedure established and used						
-B		D	-	0	May be inoperative provioperating procedures do require its use.						
-01	LVTO mode	D	-	0	May be inoperative provioperations do not require use.						
					NOTE: Any mode which operates normall may be used.	y					
-02	HUD A3 mode	D	1	0	May be inoperative provioperations do not require use.						
					NOTE: Any mode which operates normall may be used.	y					
-03	Release Lever										
-A		С	2	1	(M)(O) May be inoperative provided: a) The associated HGS Combiner is removed b) Alternate procedures established and used	 and are					
-B		D	-	0	(M) May be inoperative provided:a) The associated HGS Combiner is removedb) Operations do not requits use.						

	MASTER MINIMUM EQUIPMENT LIST									
Airplane	ERJ 170/ERJ 190				Revision 16	Page				
			Repa	34-6						
Systen Seque			Repair category Number installed							
No.				3. 1	Number required for dispatch 4. Remarks and/or exception					
34 NA	VIGATIONS				4. Remarks and/or exception	5				
27-00	Enhanced Flight	D	1	0	(M) May be inoperative					
	Vision System (EFVS) (LINEAGE 1000)				provided: a) System is deactivated b) Approach minimums of operating procedures not require its use, and c) Associated Head Up Guidance System is considered inoperativ	or do d				
31-00	Radar Altimeter System									
-A	EMBRAER 170/175/190/195/ LINEAGE 1000	С	2	1	(M)(O) May be inoperative provided:a) System is deactivatedb) Approach minimums of operating procedures not require its use.	l, and or				
-B	EMBRAER 170/175/190/195	A		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) Mod 1-4, Mode 5, Advisory Callouts and Windshed Mode are considered inoperative, d) Traffic Alert and Collist Avoidance System (T is considered inoperation and e) Repairs are made with two flight days. (Continued) 	I, or do rning es / ear sion CAS)				

MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190)			Revision 17	Page 34-7			
			Rep	air c	ategory	34-7			
Syster Seque				Num	ber installed				
No.				3. I	Number required for dispatch 4. Remarks and/or exception	<u> </u>			
34 NA	VIGATIONS	<u> </u>	<u> </u>	<u> </u>	4. Nemarks and/or exception	<u> </u>			
31-00	Radar Altimeter System (Continued)								
-C	LINEAGE 1000	A		0	 (M)(O) May be inoperative provided: a) System is deactivated by Approach minimums 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 inoperative) e) The Internal Door Was System is considered inoperative, f) The SATCOM Cockper Phonel is inhibited before takeoff and landing, and good Repairs are made with two flight days. 	d, or do rning les / ear sion CAS) tive, irning			
-D	EMBRAER 190-E2				Deleted, Revision 14.				
-01 ***	Radar Altimeter Filter (EMBRAER 170/175/190/195/ LINEAGE 1000)								
-A		С	2	1	May be inoperative provi affected Radar Altimeter considered inoperative. (Continued)				

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190				Revision 17	Page 34-8					
_			1. Repair category								
Syster Seque			2. Number installed								
No.				3. 1	Number required for dispatch 4. Remarks and/or exception						
34 NA	VIGATIONS	<u> </u>			4. Kemarks and/or exceptions	5					
31-00	Radar Altimeter System (Continued)										
-01 ***	Radar Altimeter Filter (EMBRAER 170/175/190/195/ LINEAGE 1000) (Continued)										
-B		А	-	0	 May be inoperative provi a) Affected Radar Altime considered inoperativ and b) Repairs are made wit 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 regulati may be inoperative.	ons					
-02	ILS Systems	С	2	-	Any in excess of those required by local regulati 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 provi approach minimums do r require its use.						

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190				Revision 16 Page 34-9	ļ					
			Rep	air c	category	_					
Syster Seque				ber installed							
No				3. I	Number required for dispatch						
24 NA	VIGATIONS				4. Remarks and/or exceptions						
34 NA	VIGATIONS	ī	l	1							
41-00	Enhanced Ground Proximity Warning System (EGPWS)										
-01	Ground Proximity Warning System (GPWS)	А	1	0	(O) May be inoperative provided:a) Alternate procedures are established and used, andb) Repairs are made within two flight days.						
-A	Modes 1-4	А	4	0	(O) May be inoperative provided:a) Alternate procedures are established and used, andb) Repairs are made within two flight days.						
-B	Test Mode	А	1	0	May be inoperative provided: a) GPWS is considered inoperative, and b) Repairs are made within two flight days.						
-C	Glideslope Deviation (Mode 5)	С	-	1							
		В	-	0							
-D	Advisory Callouts	В	-	0	(O) May be inoperative provided alternate procedures are established and used.						
		С	-	0	 (O) May be inoperative provided: a) Advisory callouts are not required by local regulations, and b) Alternate procedures are established and used. (Continued) 						

	MASTER MINIMUM EQUIPMENT LIST										
Airplan					Revision 16	Page					
	ERJ 170/ERJ 190		Rena	air c	ategory	34-10					
Syster					ber installed						
Seque No.				3. 1	Number required for dispatch						
					4. Remarks and/or exception	S					
34 NA	VIGATIONS	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 procedare established and used						
					NOTE: Operator's alternative procedures shou include reviewing windshear avoidation and windshear recovery procedures.	ld J ance					
		С	1	0	 (O) May be inoperative provided: a) Alternate procedures established and used b) Windshear Detection Avoidance System (Predictive) operates normally. 	, and					
-02	Terrain System – Forward Looking Terrain Avoidance (FLTA) and Terrain Clearance Floor (TCF) Functions	В	1	0	(O) May be inoperative provided alternate procedure are established and used						
-03 ***	Runway Awareness & Advisory System (RAAS)	С	1	0							

	MASTER MINIMUM EQUIPMENT LIST										
Airplan					Revision 16	Page					
	ERJ 170/ERJ 190		Rep	air c	ategory	34-11					
Syster Seque				Num	ber installed						
Seque No.				3. I	Number required for dispatch						
-					4. Remarks and/or exception	S					
34 NA	VIGATIONS	1	1	1	ı						
41-05 ***	Steep Approach Mode (Airplanes with Steep Approach capability)	D	1	0	May be inoperative provi operations do not require use.						
42-00	Weather Radar System	С	-	-	Any in excess of those required by local regulati may be inoperative.	ons					
-01	Stabilization Function	В	1	0	 (M) May be inoperative provided: a) Antenna sweep is ver parallel to aircraft horizontal plane, and b) Antenna tilt is operate manually. 						
42-04 ***	Predictive Windshear Function (EMBRAER 190-E2/ 195-E2)										
-A		В	-	0	(O) May be inoperative provided alternate procedure established and used						
					NOTE: Operator's alternative procedures shou include reviewing windshear avoidation and windshear recovery procedures.	ld I ance					
-B		С	_	0	 (O) May be inoperative provided: a) Alternate procedures established and used b) Windshear Warning a Guidance System (Reactive) operates normally. 	, and					

MASTER MINIMUM EQUIPMENT LIST									
Airplan			Page						
	ERJ 170/ERJ 190		2ans	34-12					
Syster		1. 1			ategory ber installed				
Seque No.					Number required for dispatch				
110.					4. Remarks and/or exception	s			
34 NA	VIGATIONS								
43-00	Traffic Alert and Collision Avoidance System II (TCAS II)								
-A		В	1	0	(M) May be inoperative provided:a) System is deactivated secured, andb) 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. 	I 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) visual 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			

MASTER MINIMUM EQUIPMENT LIST										
Airplane	eRJ 170/ERJ 190				Revision 16	Page 34-13				
Syston	n 2	1. F	1. Repair category							
Systen Seque			2. N		ber installed					
No.			ı	3. 1	Number required for dispatch					
24 NA	VIC ATIONS				4. Remarks and/or exceptions	5				
34 NA	VIGATIONS	1	$\overline{}$		<u> </u>					
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 providenroute or approach procedures do not require 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					
-B		D	-	0	May be inoperative provious procedures do not require use.					
44-00	Lightning Sensor System (EMBRAER 170/175/190/195/ LINEAGE 1000)	D	-	0						
51-00	Distance Measuring Equipment (DME) Systems	D	2	-	Any in excess of those required by local regulation may be inoperative.	ons				

MASTER MINIMUM EQUIPMENT LIST										
Airplan					Revision 14	Page				
	ERJ 170/ERJ 190		Rena	ategory	34-14					
Syster			2. 1							
Seque No.				3. 1	Number required for dispatch					
					4. Remarks and/or exception	S				
34 NA	VIGATIONS	1	1							
52-00	ATC Transponder and Automatic Altitude Reporting System									
-A		В	2	0	 May be inoperative provi a) Operations do not recits use, and b) Prior to flight, approva obtained from ATC facilities having jurisd over the planned rout flight. 	quire al is iction				
-B		D	-	1	Any in excess of those required by local regulati may be inoperative.	ons				
-01 ***	Elementary and Enhanced Downlink Aircraft Reportable Parameters not Required by local regulations	А	1	0	 May be inoperative provi a) Operations do not recits use, and b) Repairs are made pricompletion of the nex heavy maintenance v 	quire or to t				
-02 ***	ADS-B Out Squitter Transmissions	С	ı	0	May be inoperative provi operations do not require use.					
53-00	Automatic Direction Finder (ADF) System	D		-	Any in excess of those required by local regulati may be inoperative.	ons				

MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ	190			Revision 17	Page 34-15			
0			Repa	air c	ategory	04-10			
Syster Seque				Num	ber installed				
No.				З. Г	Number required for dispatch 4. Remarks and/or exceptions	s			
34 NA	VIGATIONS	<u> </u>	I		Tromano anaro exception				
	Global Positioning System (GPS)	g							
-A		С	-	0	 (O) May be inoperative provided: a) Procedures do not redits use, b) RAAS is considered inoperative, and c) Clock is set manually. 				
-B		D	2	1	May be inoperative provious operations do not require use.				
61-00	Flight Manageme System (FMS) (EMBRAER 170/175/190/195/ LINEAGE 1000/ 190-E2 and 195-B Post-Mod. Load 9	′ ≣2,							
-A		С	-	-	(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 proving procedures do not require use. (Continued)				

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Airplan	e ERJ 170/ERJ 190	1			Revision 17	Page 34-16			
Syster			1. Repair category						
Seque	nce ITEM		2. Number installed 3. Number required for dispatch						
No				0	4. Remarks and/or exception	S			
34 NA	VIGATIONS								
	Flight Management System (FMS) (EMBRAER 170/175/190/195/ LINEAGE 1000/ 190-E2 and 195-E2, Post-Mod. Load 9.0) (Continued)								
-01	Navigation Databases								
-A		C		0	(O) One or more may be inoperative for the intend flight route where conventional (non-RNAV/RNP) navigation is sufficient, provided: a) Current Aeronautical information (e.g. charavailable for the entire route and for the aerodromes to be used) Navigation database information is disregal and c) Radio navigation aids which are required to flown for departure, a and approach proced are manually tuned an identified. NOTE: Databases which is/are out of date is/are considered inoperative. (Continued)	ts) is ed, rded, be rrival ures and			

MASTER MINIMUM EQUIPMENT LIST								
Airplan		114111	101	VI L	Revision 17 Pag	e		
	ERJ 170/ERJ 190)		34-1				
Syster	n &	1.	1. Repair category					
Seque			2.		nber installed			
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions			
34 NA	VIGATIONS	1			4. Remarks unarer exceptions			
	Flight Management System (FMS) (EMBRAER 170/175/190/195/ LINEAGE 1000/ 190-E2 and 195-E2, Post-Mod. Load 9.0) (Continued) Navigation Databases (Continued)	C		1	(O) Any in excess of one may be inoperative provided: a) The operative database must be up to date for routes, departures, arrival and approach procedures that require the use of navigation Database for RNAV/RNP, b) The operative database is available and used by the flight crew member(s) responsible for navigation and c) Radio navigation aids, which are required to be flown for departure, arriva and approach procedures are manually tuned and identified. NOTE: Databases which is/are out of date is/are considered inoperative.	,		
					(Continued)			

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Airplan	e ERJ 170/ERJ 190				Revision 17	Page 34-18			
		_	1. Repair category						
Syster Seque			2. Number installed						
No.				3. I	Number required for dispatch				
24 NA	VICATIONS			<u> </u>	4. Remarks and/or exception	5			
34 NA	VIGATIONS	1	1	1					
61-00	Flight Management System (FMS) (EMBRAER 170/175/190/195/ LINEAGE 1000/ 190-E2 and 195-E2, Post-Mod. Load 9.0) (Continued)								
-01	Navigation Databases (Continued)								
-C		A		0	 (O) One or more may be of date provided: a) Area Navigation (RNAV/RNP) departure arrival and approach procedures are checked not to depend on the amended in the curred database cycle, b) Before each flight, cure aeronautical informations used to verify the data Navigation Fixes, the coordinates, frequency status (as applicable) suitability of Navigation Facilities required for intended flight route, (Continued) 	re, ked data nt rrent ion is abase kies, and on			

	MASTER MINIMUM EQUIPMENT LIST								
Airplan					Revision 17	Page			
	ERJ 170/ERJ 190		1. Repair category						
Syster Seque				lum	ber installed				
No.			3. Number required for dispatch						
					4. Remarks and/or exception	ıs			
34 NA	VIGATIONS	1	ı		1				
61-00	Flight Management System (FMS) (EMBRAER 170/175/190/195/ LINEAGE 1000/ 190-E2 and 195-E2, Post-Mod. Load 9.0) (Continued)								
-01	Navigation Databases (Continued)								
-C	(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 wit 10 calendar days. (Continued)	be Irrival Iures ent			

	MASTER MINIMUM EQUIPMENT LIST								
Airplan	e ERJ 170/ERJ 190	<u> </u>			Revision 17	Page 34-20			
Syster			1. Repair category						
Seque			2. Number installed						
No.				3. 1	Number required for dispatch 4. Remarks and/or exception	ıs			
34 NA	VIGATIONS		ı						
	Flight Management System (FMS) (EMBRAER 170/175/190/195/ LINEAGE 1000/ 190-E2 and 195-E2, Post-Mod. Load 9.0) (Continued)								
-01	Navigation Databases (Continued)								
-D		A		0	(O) One or more may be of date provided: a) Conventional (Non-RNAV/RNP) departur arrival and approach procedures, when available, or ANSP assistance are used a alternative to RNAV/F procedures which have been amended in the current database cycles. Before each flight, cu aeronautical informati used to verify the data Navigation Fixes, the coordinates, frequency status (as applicable) suitability of Navigatic Facilities required for intended flight route, (Continued)	re, as an RNP ve le, rrent ion is abase cies, and on			

	MASTER MINIMUM EQUIPMENT LIST									
Airplan		,			Revision 17 Page					
	ERJ 170/ERJ 190		1. Repair category							
Syster Seque			2. Number installed							
No.				3. I	Number required for dispatch 4. Remarks and/or exceptions					
34 NA	VIGATIONS	1	<u> </u>		4. Nemarks and/or exceptions					
	Flight Management System (FMS) (EMBRAER 170/175/190/195/ 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 be flown for departure, arrival and approach procedures and which have been amended in the current database cycle, are manually tuned and identified, and d) Repairs are made within 10 calendar days.					
					NOTE: Databases which is/are out of date is/are considered inoperative.					

MASTER MINIMUM EQUIPMENT LIST									
Airplan		D I 470/ED I 400				Revision 17	Page		
		ERJ 170/ERJ 190	1 6	2an	air c	ategory	34-22		
Syster			1. [ber installed			
Seque No.		ITEM				Number required for dispatch			
140.	•					4. Remarks and/or exception	ıs		
34 NA	VIGA	ATIONS	ı	ı	1				
61-02	Disp	tifunction Control play Unit DU)	В	2	1	(O) MCDU 01 may be inoperative provided: a) VHF COMM 01 and 0 operate normally, b) VHF NAV 01 and 02 operate normally, c) All CCD buttons, known and touch pad operate normally on both sided d) All Display Units oper normally, and e) Approach minimums operating procedures not require its use.	bs te es, rate or		

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190	`			Revision 14	Page 35-1				
	ERJ 170/ERJ 190		1. Repair category							
Syster Seque			2. Number installed							
No			3. Number required for dispatch							
25 OV	VCEN				4. Remarks and/or exception	<u>s</u>				
35 OX	IGEN	1	1	l	<u> </u>					
10-08	Crew Oxygen Cylinder Charging Valve	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. 	eris eris				
11-01	Pressure Gauge									
-01	Crew Oxygen Pressure Indication on MFD	С	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 Controller (AMSC) channels operate nor channels operate nor channels operate nor channels operate nor channels operate nor generate n	re is are ore mally, roller mally, lly, mally, d ne tude L,				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 1	190			Revision 14	Page 35-2				
Syster Seque No.	m & nce ITEM			Num	category sher installed Number required for dispatch 4. Remarks and/or exception					
35 OX	YGEN	•			•					
11-01	Pressure Gauge (Continued)									
-02	Crew Oxygen Pressure Indicatio on Pressure Gaug Outside Airplane		1	0	May be inoperative prov Crew Oxygen Pressure Indication on MFD opera normally.					
11-03	Oxygen Cylinder Pressure Relief Di (Green Disc)	sc C	-	0	May be inoperative or missing.					
11-04	Oxygen Cylinder Bay Temperature Sensor	C	1	0						

MASTER MINIMUM EQUIPMENT LIST										
Airplane ED 1470/ED 1	400			Revision 14	Page					
ERJ 170/ERJ		2en:	air c	ategory	35-3					
System & Sequence ITEM				ber installed						
Sequence ITEM No.			3. 1	Number required for dispatch						
				4. Remarks and/or exception	S					
35 OXYGEN	1	ı	ı	<u> </u>						
20-00 Passenger Oxyge System	en									
-A -B	В	1	0	(O) May be inoperative provided: a) Flight is not conducte over an area where the Minimum Enroute Alticis above 14000 ft MS b) Both Air Conditioning Packs operate normal Coabin Pressure Controcystem (CPCS) controchannels operate normal System (CPCS) controchannels operate normal Both Engine Bleed Systems operate normal Flight is conducted at below FL 250, f) Portable Oxygen Cylicand Masks are provided for all cabin crew mer and for a 30 minutes period for 10 percent passengers, and g) Passengers are appropriately briefed. May be inoperative providing the is conducted at or the 10000 ft MSL. (Continued)	ne itude L, illy, rol roller mally, or nders led mbers of the					

MASTER MINIMUM EQUIPMENT LIST										
Airplane	ERJ 170/ERJ 190				Revision 17	Page 35-4				
Syster	n 2	1. F			ategory					
Seque			2. 1		ber installed					
No.				3. 1	Number required for dispatch					
0.5.000					4. Remarks and/or exceptions	5				
35 OX	YGEN	1								
20-00	Passenger Oxygen System (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				
-B		В	1	0	May be inoperative provious Passenger Oxygen Syste considered inoperative.					
-02	Passenger Oxygen Dispensing Unit									
-A		С	1	0	(M) Individual modules me be inoperative with no fligaltitude restriction provide affected seats are placar and blocked to prevent occupancy.	ght ed				
-В		В	1	0	Individual modules may be inoperative provided Passenger Oxygen Syste considered inoperative.					
-03	Flight Attendant Oxygen Dispensing Unit	В	-	-	May be inoperative provious associated flight attendar seat is considered inoper	nt				
					(Continued)	I				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190	`			Revision 17	Page 35-5				
			Rep	air c	ategory	35-5				
Syster Seque				Num	ber installed					
No				3. I	Number required for dispatch					
07.07	VOEN				4. Remarks and/or exception	S				
35 OX	YGEN	1	ı	1	<u> </u>					
20-00	Passenger Oxygen System (Continued)									
-04	Flight Attendant Oxygen Dispensing Unit in Galley	В	-	-	 (O) May be inoperative provided: a) Oxygen dispensing use and masks at the adjacent flight attendant station operative, b) Number of occupants the galley area and adjacent flight attendated station is limited to the number of oxygen material flight phases, and c) Procedures are established and used alert crewmembers of inoperative oxygen dispensing units. 	acent n are n are n are n are n are n ant n asks n n, in n n n n n n n n n				
-A	Passenger Oxygen Box Door Electrical Latches (EMBRAER 170/175/190/195/ 190-E2/195-E2)	D	-	-	(M) Individual modules no be inoperative provided affected seats are placar and blocked to prevent occupancy. (Continued)	İ				

MASTER MINIMUM EQUIPMENT LIST									
Airplane		70/ED 400				Revision 17	Page		
	ERJ 1	70/ERJ 190		2en:	air c	ategory	35-6		
System						ber installed			
Seque No.		ITEM		3. Number required for dispatch					
140.						4. Remarks and/or exception	s		
35 OX	YGEN								
20-02	Passenge Box Door Latches (EMBRAE 170/175/1 190-E2/19 (Continue	Electrical ER 190/195/ 95-E2)							
-B			С	-	-	 (M)(O) Automatic openin feature of the door latch(may be inoperative provide). a) Associated Passenge Oxygen Dispensing Loperates normally, b) Flight is conducted at below FL 300, and c) Passenger(s) occupy the associated seat(search) briefed on oxygen mask procedure. 	es) ded: ler		
20-03	Passenge Box Deple (EMBRAE 170/175/1 190-E2/19	oy Tool ER 190/195/	D	-	0	(O) May be missing provan alternative tool is ava			

MASTER MINIMUM EQUIPMENT LIST										
Airplan		470/ED I 400				Revision 17	Page			
_		170/ERJ 190		Repa	air c	ategory	35-7			
Syster Seque No.	nce	ITEM			Num	ber installed Number required for dispatch 4. Remarks and/or exception	s			
35 OX	YGEN					•				
20-04	Passenç Oxygen	ger Cabin Mask								
-A			D	-	0	(M) Individual masks mainoperative or missing provided affected seats a placarded and blocked to prevent occupancy.	are			
-B			С			 (M) Individual masks mainoperative or missing provided: a) At least one oxygen mis available for each sets by The total number of oxygen masks exceed number of seats by at 10 percent, c) The supernumerary unare uniformly distribut throughout the cabin, d) Inoperative masks are removed from the aircontent of the supernumerary unare uniformly distribut throughout the cabin, d) Inoperative masks are removed from the aircontent of the supernumerary unare uniformly distributed throughout the cabin, 	nask eat, d the t least inits eed and			

	MASTER MINIMUM EQUIPMENT LIST											
Airplane	e ERJ 170/ERJ 190				Revision 17	Page						
	ERJ 1/0/ERJ 190	1 F	Rena	air c	ategory	35-8						
System					ber installed							
Seque No.				3. 1	Number required for dispatch							
					4. Remarks and/or exceptions	S						
35 OX	YGEN			1								
20-09	Lavatory Oxygen System (EMBRAER 170/175/190/195/ 190-E2/195-E2)											
-A		С	1	0	(O) May be inoperative provided lavatory door is locked and placarded "INOPERATIVE – DO NO ENTER".							
					NOTE: This proviso is no intended to preclicate lavatory inspection by a crewmember	ude ons						
-B		С	1	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	(O) May be inoperative provided Passenger Cab Oxygen System is considinoperative.							
21-04	Passenger Oxygen Masks Deployed ON Indication Light	С	1	0								

MASTER MINIMUM EQUIPMENT LIST										
Airplan	Α	IVIAS I EN IVIII	AIIV	IUN	<u>'I L</u>	Revision 17	Page			
All plant		ERJ 170/ERJ 190				TOTISION 17	35-9			
			1. F	Repa	air c	ategory				
Syster Seque		ITEM			lum	ber installed				
Seque No.		I I EIVI			3. 1	Number required for dispatch				
						4. Remarks and/or exception	S			
35 OX	YGE	EN								
30-01		rtable Oxygen linder and Masks	D		-	 (M) Any in excess of thorequired by local regulation may be inoperative provious). Required distribution serviceable cylinders maintained throughous aircraft, and b) Cylinders not properly serviced are replaced serviced or removed next available maintenance facility. 	ions ided: of is ut y			
30-03		otective Breathing uipment (PBE)	D			Any in excess of those required by local regulationary be inoperative or missing.	ons			

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190				Revision 14	Page 36-1				
			Rep	air c	category	30-1				
Syster Seque			_	Num	ber installed					
No.				3. I	Number required for dispatch					
26 DN	EUMATIC	ļ	<u> </u>	<u> </u>	4. Remarks and/or exception	<u> </u>				
30 F N	EUWATIC									
00-00	Engine Bleed Systems									
-01	EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000	С	2	1	 (O) Except for ER operatione 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				
					NOTE: See AFM for Eng Airstart – Windmi (Engine Airstart Envelope).					
-02	EMBRAER 170/175/190/195/ LINEAGE 1000									
-A	Airplanes without Forward Cargo Compartment Ventilation Installed or with Cargo Shutoff Valve (P/N 1001497-2)	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 ee, live ed in				
					NOTE: See AFM for Eng Airstart – Windmi (Engine Airstart Envelope). (Continued)					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan		1470/ED 1400				Revision 14	Page				
	EK	J 170/ERJ 190	1. F	Repa	air c	ategory	36-2				
Syster Seque		ITEM			lum	ber installed					
No.		11 2.01			3. 1	Number required for dispatch 4. Remarks and/or exception	•				
36 DN	EUMA ¹	TIC				4. Nemarks and/or exception	5				
00-00	Engine Syster (Conti										
-02		75/190/195/ AGE 1000									
-B	Airpla	nes with Cargo ff Valve (P/N	C	2	1	(O) Except for ER operatione may be inoperative provided: a) Associated engine ble remains selected off, b) Wing Anti-Ice System considered inoperativ c) If Bleed 1 is affected, forward cargo/aft bag shutoff valve are considered inoperativ 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				

	MASTER MINIMUM EQUIPMENT LIST										
Airplan		RJ 170/ERJ 190				Revision 14	Page 36-3				
Cueta		INO TOOLING 150		Repa	air c	ategory	000				
Syster Seque		ITEM		2. 1		ber installed					
No	•				J. I	Number required for dispatch 4. Remarks and/or exception	s				
36 PN	EUM	ATIC									
00-00	Syst	ne Bleed ems ntinued)									
-02	170/ LINE	BRAER 175/190/195/ EAGE 1000 ntinued)									
-C			С	2	0	(O) Except for ER operat may be inoperative provia) Both engine bleeds reselected off, b) APU Pneumatic Bleed System operates norr c) Flight is conducted at below FL 150, and d) Wing Anti-Ice System considered inoperativ NOTE: See AFM for Eng Airstart – Windmi (Engine Airstart Envelope). (Continued)	ded: emain d mally, or is e.				

	MASTER MINIMUM EQUIPMENT LIST										
Airplan		ERJ 170/ERJ 190				Revision 14	Page 36-4				
0		-113 170/LI13 190	1. F	Repa	air c	ategory	30-4				
Syster Seque		ITEM			lum	ber installed					
No					3. I	Number required for dispatch 4. Remarks and/or exception	s				
36 PN	EUM	ATIC				•					
00-00	Syst	ine Bleed tems ntinued)									
-03		BRAER /175/190/195									
-A	Forv Com Ventor w Shut	planes without ward Cargo inpartment itilation Installed vith Cargo itoff Valve (P/N 1497-2)	O	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 Engalistant Envelope). (Continued)	ded: emain an is e.				

	MASTER MINIMUM EQUIPMENT LIST										
Airplane		170/ERJ 190				Revision 14	Page 36-5				
Syster		170,210 100	1. F			ategory					
Seque	nce	ITEM		2. N		ber installed Number required for dispatch					
No.						4. Remarks and/or exception	s				
36 PN	EUMATIC	;	1								
00-00	Engine E Systems (Continue										
-03	EMBRAE 170/175/ (Continue	190/195									
-B		s with Cargo /alve (P/N -1)	С	2	0	(O) Except for ER operat may be inoperative provia) Both engine bleeds reselected off, b) The forward cargo compartment shutoff is considered inopera. c) Flight is conducted in unpressurized configuration, and d) Wing Anti-Ice System considered inoperativ. NOTE: See AFM for Eng Airstart – Windmit (Engine Airstart Envelope).	ded: emain valve tive, an is e.				

	MASTER MINIMUM EQUIPMENT LIST								
Airplan	Airplane ERJ 170/ERJ 19				_	Revision 14	Page 36-6		
Syster		10 110/110 100	1. I			category	00.5		
Seque	nce	ITEM		2. 1		ber installed Number required for dispatch			
NO.	No.					4. Remarks and/or exception	s		
36 PN	TIC								
00-00	Syste	ne Bleed ems tinued)							
-04		RAER 190 PR/ AGE 1000							
-A	Shute	anes with Cargo off Valve (P/N 497-2)	С	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 aft bagg compartment, c) Flight is conducted in unpressurized configuration, d) Wing Anti-Ice System considered inoperative and e) The Auxiliary Fuel system is considered inoperative and e) The Auxiliary Fuel system considered inoperative in the system of the system o	ded: emain gage an is ee, stem tive. gine		

	MASTER MINIMUM EQUIPMENT LIST									
Airplane		D/ERJ 190				Revision 14	Page 36-7			
Syster		<u> </u>	1. F			ategory	001			
Seque	Sequence ITEM			2. N		ber installed Number required for dispatch				
No.						4. Remarks and/or exception	S			
36 PN	EUMATIC					I				
00-00	Engine Ble Systems (Continued									
-04	EMBRAER LINEAGE 1 (Continued	1000								
-B	Airplanes v Shutoff Val 1001497-1	ve (P/N	O	2	0	(O) Except for ER operat may be inoperative provia) Both engine bleeds reselected off, b) The aft baggage compartment shutoff valves are considered inoperative, c) Flight is conducted in unpressurized configuration, d) Wing Anti-Ice System considered inoperative and e) The Auxiliary Fuel systis considered inoperative and England Airstart – Windmin (Engine Airstart Envelope).	ded: emain an is e, stem tive. jine			

MASTER MINIMUM EQUIPMENT LIST									
Airplane ERJ 170/ERJ 190				Revision 16	Page 36-8				
		Repa	air c	ategory	30-0				
System & Sequence ITEM		2. Number installed							
No.		3. Number required for dispatch							
				4. Remarks and/or exceptions	3				
36 PNEUMATIC	ı .	ı	1						
00-00 Engine Bleed Systems (Continued)									
-05 EMBRAER 190-E2/ 195-E2									
-A	A	2	1	 (O) May be inoperative provided: a) Associated engine ble remains selected off, b) Wing Anti-Ice System considered inoperative c) Flight is conducted at below FL 310, and d) Repairs are made with 10 flight days. NOTE: See AFM for Eng Airstart – Windmin (Engine Airstart Envelope). 	is e, or nin				
-B	С	2	0	 (O) May be inoperative provided: a) Both engine bleeds reselected off, b) Crossbleed valve openormally, c) APU Pneumatic Bleed System operates normed d) Flight is conducted at below FL 150, and e) Wing Anti-Ice System considered inoperative NOTE: See AFM for Eng Airstart – Windming (Engine Airstart Envelope). (Continued) 	rates d nally, or is e. ine				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	Airplane ERJ 170/ERJ 19					Revision 16	Page 36-9			
Cuetos	º		1. I	Rep	air c	ategory				
Syster Seque		ITEM		2. I		ber installed				
No		11 L W			3. I	Number required for dispatch				
	-					4. Remarks and/or exception	S			
36 PN	EUM/	ATIC								
00-00	Syste	ne Bleed ems tinued)								
-05	195-	RAER 190-E2/ E2 tinued)								
-C			A	2	0	(O) May be inoperative provided: a) Both engine bleeds reselected off, b) APU Pneumatic Bleed System operates norm c) Flight is conducted at below FL 150, d) Wing Anti-Ice System considered inoperative and e) Repairs are made with 10 flight days. NOTE: See AFM for Engalization Airstart — Windm (Engine Airstart Envelope). (Continued)	d mally, or is e, hin			

		MASTER MI	NIN	1UN	/I E	QUIPMENT LIST	
Airplan						Revision 16	Page
		ERJ 170/ERJ 190		2an	air c	ategory	36-10
Syster			'- '			iber installed	
Seque No.		ITEM				Number required for dispatch	
NO	•					4. Remarks and/or exceptions	;
36 PN	EUM	ATIC					
00-00	Sys (Co	ine Bleed tems ntinued) BRAER 190-E2/					
-03	195	-E2 ntinued)					
-D			A	2	0	(O) May be inoperative provided: a) Both engine bleeds re selected off, b) Flight is conducted in a unpressurized configuration, c) Wing Anti-Ice System considered inoperative and d) Repairs are made with 10 flight days. NOTE: See AFM for Engine Airstart — Windmil (Engine Airstart Envelope).	an is e, nin

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190)			Revision 16	Page 36-11				
Syster Seque No	m & nce ITEM		Repa	Num	category sper installed Number required for dispatch 4. Remarks and/or exception					
36 PN	EUMATIC									
00-01	Bleed Air Manifold Pressure Indication on MFD									
-01	EMBRAER 170/175/190/195/ LINEAGE 1000	С	4	0	(O) May be inoperative provided alternate proce are established and used					
-02	EMBRAER 190-E2/ 195-E2	С	4	0						
10-01	Cross Bleed Valve									
-01	EMBRAER 170/175/190/195/ LINEAGE 1000									
-A		С	1	0	(M)(O) Except for ER operations, may be inoperative provided valverified closed and remaclosed except for ground engine starting. NOTE: See AFM for Engalistant – Windm (Engine Airstart – Windm (Engine Airstart Envelope). (Continued)	iins I gine				

MASTER MINIMUM EQUIPMENT LIST								
Airplan	470/ED 1400				Revision 1	16	Page	
	EKJ	170/ERJ 190	1 6	2ans	air c	ategory		36-12
Syster			''	2. 1	lum	ber installed	1	
Seque No.		ITEM				Number requ	ired for dispatch	
110.	•		4. Remarks and/or exceptions					
36 PN	EUMATI	С			1			
10-01	Cross E (Continu	Bleed Valve ued)						
-01		5/190/195/ SE 1000						
-B			С	1	0	may be inca) Both E System inopera b) APU P	ot for ER operat operative provious ngine Bleed ns are consider ative, and neumatic Bleed n is considered ative.	ded: ed
						NOTE 1:	See AFM for Engine Airstar Windmilling (Engine Airsta Envelope).	
						NOTE 2:	APU Pneumat Bleed System be used for en starting.	may
						(Continue	d)	

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190	1			Revision 1	16	Page 36-13			
			Rep		36-13					
Syster Seque				Num	ber installed					
No				3. 1		ired for dispatch and/or exception	•			
36 PN	EUMATIC	1	<u> </u>	<u> </u>	4. Itelliaiks	and/or exception	<u> </u>			
10-01	Cross Bleed Valve (Continued)									
-02	EMBRAER 190-E2/ 195-E2									
-A		С	1	0	provided v	ay be inoperativ valve is deactiv d remains close ground engine	ated ed			
					Aiı (E	ee AFM for Eng rstart – Windmi ngine Airstart nvelope).				
-B		Α	1	0	provided: a) Both E Systen inopera b) APU P Systen inopera c) Repair	ngine Bleed ns are consider ative, neumatic Bleed n is considered ative, and s are made wit nt days.	d			
					NOTE 1:	See AFM for Engine Airsta Windmilling (Engine Airsta Envelope).				
					NOTE 2:	APU Pneuma Bleed System be used for er starting.	may			

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Airplan	Airplane ERJ 170/ERJ 19					Revision 16	Page 36-14			
		170/EKJ 190		Repa	air c	ategory	36-14			
Syster Seque		ITEM		2. Number installed						
No		11 = 141			3. 1	Number required for dispatch 4. Remarks and/or exception				
36 DN	EUMATIO					4. Remarks and/or exception	5			
30 F N	LUMAIN	<u> </u>	1							
11-01	High Sta Valves	age Bleed								
-01	EMBRA 170/175 LINEAG	/190/195/	С	2	0	 (M) Except for ER operating may be inoperative provious) a) Affected High Stage E Valve is secured closured b) Associated Engine Bl System is considered inoperative. 	ded: Bleed ed, eed			
-02	EMBRA	ER 190-E2/				NOTE: See AFM for Eng Airstart – Windm (Engine Airstart Envelope).				
-02	195-E2	LIX 190-L2/								
-A			С	2	1	 (M) One may be inoperal provided: a) Cross Bleed Valve is operative, b) Affected High Stage E Valve is secured clos and c) Associated Engine Bl System is considered inoperative. 	Bleed ed, eed			
						NOTE: See AFM for Eng Airstart – Windm (Engine Airstart Envelope). (Continued)				

		MASTER MI	NIN	IUN	1 E	QUIPMENT LIST	
Airplan		ED 1 470/ED 1 400				Revision 16	Page
		ERJ 170/ERJ 190		2an	air c	category	36-15
Syster						nber installed	
Seque		ITEM				Number required for dispatch	
No	•					4. Remarks and/or exception	S
36 PN	EUN	IATIC					
11-01	Val	h Stage Bleed ves ntinued)					
-02	195	BRAER 190-E2/ i-E2 intinued)					
-B			A	2	0	(M) May be inoperative provided: a) Affected High Stage E Valve is secured clos b) Associated Engine BI System is considered inoperative, c) Wing Anti-Ice System considered inoperative and d) Repairs are made wit 10 flight days. NOTE: See AFM for Eng Airstart – Windm (Engine Airstart Envelope).	ed, eed is e, hin

	MASTER MINIMUM EQUIPMENT LIST									
Airplane	e ERJ 170/ERJ 190				Revision 16	Page 36-16				
		1. F	1. Repair category							
Syster Seque			2. Number installed							
No.				3. 1	Number required for dispatch					
36 DNI	EUMATIC	<u> </u>			4. Remarks and/or exceptions	<u> </u>				
30 FIVE	EUWATIC	1								
	Engine Bleed Valves									
-01	EMBRAER 170/175/190/195/ LINEAGE 1000	С	2	0	 (M) Except for ER operating may be inoperative provious) a) Affected Engine Bleed Valve is secured close and b) Associated Engine Bleed System is considered inoperative. 	ded: d ed, eed				
					NOTE: See AFM for Eng Airstart – Windmi (Engine Airstart Envelope).					
-02	EMBRAER 190-E2/ 195-E2									
-A		С	2	1	 (M) One may be inoperated provided: a) Cross Bleed Valve is operative, b) Affected Engine Bleed Valve is secured closed and c) Associated Engine Bleed System is considered inoperative. 	d ed, eed				
					NOTE: See AFM for Eng Airstart – Windmi (Engine Airstart Envelope). (Continued)					

Airplane ERJ 170/ERJ 190											
System & Sequence No. 1TEM 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 36-17 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 36-17 3. Number required for dispatch 4. Remarks and/or exceptions 36-17 3. Number required for dispatch 4. Remarks and/or exceptions 36-17 3. Number required for dispatch 4. Remarks and/or exceptions 36-17 3. Number required for dispatch 3. Number required for dispatch 4. Remarks and/or exceptions 36-17 3. Number required for dispatch 3. Number required for dispatch 4. Remarks and/or exceptions 36-17 3. Number required for dispatch											
Sequence No. 36 PNEUMATIC 11-03 Engine Bleed Valves (Continued) -02 EMBRAER 190-E2/ 195-E2 (Continued) -B A 2 0 (M) May be inoperative provided: a) Affected Engine Bleed Valve is secured closed, b) Associated Engine Bleed System is considered inoperative, c) Wing Anti-Ice System is considered inoperative, and d) Repairs are made within 10 flight days. NOTE: See AFM for Engine Airstart — Windmilling (Engine Airstart Envelope).	Airplan		J 170/ERJ 190				Revision 16	_			
Sequence No. 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 4. Remarks and/or exceptions 4. Remarks and/or exceptions 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 6. Number required for dispatch 7. Number required for dispatch 8. Number required for dispatch 8. Number required for dispatch 9.	Cuatan			1. F	Repa	air c	ategory				
3. Number required for dispatch 4. Remarks and/or exceptions 4. Remarks and/or exceptions 4. Remarks and/or exceptions 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 4. Remarks and/or exceptions 5. Number required for dispatch 4. Remarks and/or exceptions 6. Remarks and/or exceptions 7. Remarks and/or exceptions 8. Remarks and/or exceptions 9. Remarks and/or exception						lum	ber installed				
11-03 Engine Bleed Valves (Continued) -02 EMBRAER 190-E2/ 195-E2 (Continued) -B A 2 0 (M) May be inoperative provided: a) Affected Engine Bleed Valve is secured closed, b) Associated Engine Bleed System is considered inoperative, c) Wing Anti-Ice System is considered inoperative, and d) Repairs are made within 10 flight days. NOTE: See AFM for Engine Airstart – Windmilling (Engine Airstart Envelope).	•					3. 1					
11-03 Engine Bleed Valves (Continued) -02 EMBRAER 190-E2/ 195-E2 (Continued) -B A 2 0 (M) May be inoperative provided: a) Affected Engine Bleed Valve is secured closed, b) Associated Engine Bleed System is considered inoperative, c) Wing Anti-Ice System is considered inoperative, and d) Repairs are made within 10 flight days. NOTE: See AFM for Engine Airstart – Windmilling (Engine Airstart Envelope).	20 DNI		TIO				4. Remarks and/or exception	5			
(Continued) -02 EMBRAER 190-E2/ 195-E2 (Continued) A 2 0 (M) May be inoperative provided: a) Affected Engine Bleed Valve is secured closed, b) Associated Engine Bleed System is considered inoperative, c) Wing Anti-Ice System is considered inoperative, and d) Repairs are made within 10 flight days. NOTE: See AFM for Engine Airstart – Windmilling (Engine Airstart Envelope).	36 PN	EUMA	IIC	1	1						
195-E2 (Continued) -B A 2 0 (M) May be inoperative provided: a) Affected Engine Bleed Valve is secured closed, b) Associated Engine Bleed System is considered inoperative, c) Wing Anti-Ice System is considered inoperative, and d) Repairs are made within 10 flight days. NOTE: See AFM for Engine Airstart — Windmilling (Engine Airstart Envelope).	11-03										
provided: a) Affected Engine Bleed Valve is secured closed, b) Associated Engine Bleed System is considered inoperative, c) Wing Anti-Ice System is considered inoperative, and d) Repairs are made within 10 flight days. NOTE: See AFM for Engine Airstart – Windmilling (Engine Airstart Envelope).	-02	195-E	2								
	-B						provided: a) Affected Engine Bleed Valve is secured close b) Associated Engine Bleed System is considered inoperative, c) Wing Anti-Ice System considered inoperative and d) Repairs are made wit 10 flight days. NOTE: See AFM for Eng Airstart – Windmi (Engine Airstart Envelope).	ed, eed is e, hin			

	MASTER MINIMUM EQUIPMENT LIST									
Airplane		^			Revision 16	Page				
	ERJ 170/ERJ 19		Ren	ategory	36-18					
System		"	1. Repair category 2. Number installed							
Seque No.				3. 1	Number required for dispatch					
00 DNI	FUNATIO				4. Remarks and/or exceptions	}				
36 PNI	EUMATIC	1	1	1						
11-09	Fan Air Valves (EMBRAER 190-E2/ 195-E2)									
-A		С	2	1	 (M) One may be inoperat provided: a) Cross Bleed Valve is operative, b) Affected Fan Air Valve secured closed, and c) Associated Engine Ble System is considered inoperative. 	e is				
					NOTE: See AFM for Engi Airstart – Windmil (Engine Airstart Envelope).					
-B		A	2	0	 (M) May be inoperative provided: a) Affected Fan Air Valve secured closed, b) Associated Engine Ble 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 Reproved the provided that the	eed is e, nin				
					Airstart – Windmil (Engine Airstart Envelope).					

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	e ERJ 170/ERJ 190				Revision 16	Page 36-19					
			Repa	air c	ategory	30-19					
Syster Seque			2. Number installed								
No.				3. I	Number required for dispatch						
26 DNI	ELIMATIC				4. Remarks and/or exceptions	5					
30 PINI	EUMATIC			1							
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 inoperating provided:a) Affected door is secur open, andb) Appropriate performal penalties are applied.	ed					
12-00	APU Pneumatic Bleed System	С	1	0	Except for ER operations may be inoperative provided APU Bleed remains selections.	ded					
12-01	APU Bleed Valve										
-A		С	1	0	May be inoperative providable APU is considered inoperative.	ded 					
-B		С	1	0	 (O) Except for ER operat 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 System not used with APU running. 	ded: y on					
-C	EMBRAER 170/175/190/195/ LINEAGE 1000	С	1	0	(M) Except for ER operation may be inoperative provious.a) Valve is secured close andb) APU Bleed remains selected off.	ded:					

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	ERJ 170/ERJ 190)			Revision 17	Page 36-20				
			Rep	air c	ategory	30-20				
Syster Seque				Num	ber installed					
No.				3. I	Number required for dispatch 4. Remarks and/or exception					
36 PN	EUMATIC		l	l	4. Remarks and/or exception	<u> </u>				
12-02	APU Bleed Check Valve	С	1	0	Except for ER operations may be inoperative provi APU Bleed remains sele off.	ded				
13-01	High Pressure Ground Connection Check Valve	С	1	0	May be inoperative close provided APU Pneumation Bleed System operates normally.					
21-00	BLEED 1(2) LEAK Caution EICAS message				Deleted, Revision 13 (Included in item 36-21-0)2).				
21-02	Engine Bleed Overheat Detection System (ODS)									
-01	EMBRAER 170/175/190/195/ LINEAGE 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 – Windm (Engine Airstart Envelope). (Continued) 	eed mains ine d is ee. gine				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan		170/ERJ 190				Revision 17	Page 36-21			
System		170/2110 100		Repa	air c	ategory	00 2.			
Syster Seque		ITEM		2. 1		ber installed				
No					J. I	Number required for dispatch 4. Remarks and/or exception	 S			
36 PN	EUMATI	С								
21-02	Engine Overhea System (Continu	at Detection (ODS)								
-01	EMBRA 170/175 LINEAG (Continu	5/190/195/ SE 1000								
-B			С	2	1	(M)(O) Except for ER operations, Engine Bleed System 2 ODS may be inoperative provided: a) Associated Engine Bl System is considered inoperative, b) Cross Bleed valve rer closed except for eng start, and c) Wing Anti-Ice System considered inoperative NOTE: See AFM for Eng Airstart — Windm (Engine Airstart Envelope). (Continued)	eed mains ine is e. gine			

	MASTER MINIMUM EQUIPMENT LIST								
Airplan		RJ 170/ERJ 190				Revision 16	Page 36-22		
_		KJ 170/EKJ 190		Repa	air c	ategory	30-22		
Syster Seque		ITEM			lum	ber installed			
No					3. 1	Number required for dispatch 4. Remarks and/or exception	•		
36 PN	FUMA	ATIC	l .			4. Remarks and/or exception	3		
	Engi Over Syste	ne Bleed rheat Detection em (ODS) atinued)							
-01	170/ LINE	BRAER 175/190/195/ EAGE 1000 Itinued)							
-Ç			С	2	0	(O) Except for ER operating may be inoperative provia) Both Engine Bleed Systems are consider inoperative, and b) APU Pneumatic Bleet System is considered inoperative. NOTE: See AFM for Engairstart – Windm (Engine Airstart Envelope). (Continued)	ded: red d J		

	MASTER MINIMUM EQUIPMENT LIST											
Airplan		J 170/ERJ 190		Revision 16 Pag 36-2								
Cuete	0		1. I			ategory						
Syster Seque		ITEM		2. Number installed								
No		112.00			3. I	Number required for dispatch						
						4. Remarks and/or exceptions	3					
36 PN	EUMA	TIC										
	Overh Syste (Conti	e Bleed leat Detection m (ODS) inued)										
-02	EMBF 195-E	RAER 190-E2/ 2										
-A			A	2	1	 (O) Engine Bleed System ODS may be inoperative provided: a) Engine Bleed System considered inoperative b) Cross Bleed Valve rer closed except for enging start, 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 – Windmin (Engine Airstart Envelope). (Continued) 	1 is e, mains ine d is e, nin					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan		J 170/ERJ 190				Revision 16	Page 36-24				
Syster	m 9		1. I	Rep	air c	ategory					
Seque		ITEM		2. Number installed							
No					3. 1	Number required for dispatch					
						4. Remarks and/or exception	S				
36 PN	EUMA	TIC									
21-02	Overh Syste	e Bleed leat Detection m (ODS) nued)									
-02	195-E	RAER 190-E2/ 2 nued)									
-B			A	2	1	(O) Engine Bleed System ODS may be inoperative provided: a) Engine Bleed System considered inoperative b) Cross Bleed Valve re closed except for eng start, 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). (Continued)	2 is e, mains ine is e, hin				

	MASTER MINIMUM EQUIPMENT LIST										
Airplan		J 170/ERJ 190				Revision 16	Page 36-25				
Cuete	0		1. I			ategory					
Syster Seque		ITEM		2. Number installed							
No		II LIVI			3. 1	Number required for dispatch					
						4. Remarks and/or exceptions					
36 PN	EUMA1	TIC									
21-02		eat Detection n (ODS)									
-02	EMBR 195-E2 (Contin										
-C			A	2	0	 (O) Both may be inoperative; 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. NOTE: See AFM for Engine Airstart – Windmill (Engine Airstart Envelope). 	ed nin ne				

		MASTER MI	QUIPMENT LIST					
Airplan		ED 170/ED 100	Revision 16 Page					
		ERJ 170/ERJ 190		Repa	air c	ategory	36-26	
Syster Seque		ITEM		2. Number installed				
No					3. 1	Number required for dispatch 4. Remarks and/or exception	s	
36 PN	EUM	IATIC						
21-03		J Overheat ection System 9S)						
-01	EM 170	BRAER 1/175/190/195/ EAGE 1000	С	1	0	(O) APU ODS may be inoperative provided: a) Engine Bleed System considered inoperative b) Cross Bleed Valve re 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 – Windm (Engine Airstart Envelope). (Continued)	re, mains iine d i is re.	

	MASTER MINIMUM EQUIPMENT LIST										
Airplan						Revision 16	Page				
	ER	J 170/ERJ 190		Dan	oir c	voto a o my	36-27				
Syster			1. 1			ategory ber installed					
Seque		ITEM				Number required for dispatch					
No.	•					4. Remarks and/or exception	ıs				
36 PN	EUMA ¹	ГІС									
	Detection (ODS) (Conti	nued)									
-02	EMBR 195-E	AER 190-E2/ 2	A	1	0	 (O) APU ODS may be inoperative provided: a) Engine Bleed System considered inoperative b) Cross Bleed Valve re closed except for engistart, c) APU Pneumatic Blee System is considered inoperative, d) Wing Anti-Ice System considered inoperative and e) Repairs are made with 10 flight days. NOTE: See AFM for Engineering and 	ve, mains ine d l is ve, thin				
						(Engine Airstart Envelope).					

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190	١			Revision 14	Page 38-1				
Syster					eategory					
Seque			2. I		nber installed Number required for dispatch					
No.	•			3. 1	4. Remarks and/or exceptions	i				
38 WA	TER AND WASTE									
00-02	Water & Waste System Indications on Flight Attendant Panel (EMBRAER 170/175/190/195)	D	11	0	(M) May be inoperative provided alternate proced are established and used.					
00-03	Water & Waste Indications on CMS (EMBRAER 190-E2/ 195-E2)									
-01	Potable Water Indications									
-A		С	-	0	(M) May be inoperative provided alternate proced are established and used.					
-B		D	-	0	May be inoperative provid procedures do not require use.					
-02	Waste Tank Indications									
-A		С	-	0	(M) May be inoperative provided alternate proced are established and used.					
-В		D	-	0	May be inoperative provid procedures do not require use. (Continued)					

	MASTER MINIMUM EQUIPMENT LIST									
Airplan					Revision 14	Page 38-2				
	ERJ 170/ERJ 190		Rep	air c	ategory	30-2				
Syster Seque				Num	ber installed					
No.				3. I	Number required for dispatch 4. Remarks and/or exception	•				
38 W A	TER AND WASTE			<u> </u>	4. Kemarks and/or exception	<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				
-В		С	-	0	May be inoperative provi associated valve is considered inoperative.	ded				

MASTER MINIMUM EQUIPMENT LIST											
Airplane ERJ 170/ERJ 190				Revision 16	Page 38-3						
	1. F	Repa	air c	ategory	30-3						
System & Sequence ITEM			lum	ber installed							
No.			3. 1	Number required for dispatch 4. Remarks and/or exception	s						
38 WATER AND WASTE	l .			Tromano anazor exception	<u>- </u>						
10-00 Potable Water System					1						
-A	С	- (M) Individual components may be inoperative provided: a) Associated components are deactivated or isolated and b) Associated system components are verified not to have leaks. NOTE: Any portion of system			ded: nts lated,						
	NOTE: Any portion of system which operates normally may be used.										
-В	С	1	normally may be used. - (M) May be inoperative provided: a) System is drained, and b) Procedures are established to ensure that system is not serviced.								
11-03 Lavatory Infrared Sensors (LINEAGE 1000)	С		0	(M) May be inoperative provided associated lava door(s) is(are) secured c and placarded "INOPERATIVE – DO NOENTER".	losed						

MASTER MINIMUM EQUIPMENT LIST											
Airplane	ERJ 170/ERJ 190)			Revision 16	Page 38-4					
Systen	n &	1. F			ategory						
Seque			2. 1		ber installed						
No.				З. Г	Number required for dispatch 4. Remarks and/or exceptions						
38 W/V	TER AND WASTE		<u> </u>		4. Remarks and/or exceptions	<u> </u>					
30 117	ILK AND WASIL	1		Ī							
11-04	Fill/Drain Valve					I					
-A		С	1	0	 (M) May be inoperative provided: a) Valve is verified in clo position, b) Valve is verified not to have leaks, and c) Alternate procedures established and used. 	are					
-B		С	1	0	May be inoperative provide Potable Water System is considered inoperative.						
11-05	Fill/Drain Switch	С	1	0	(M) May be inoperative provided alternate procedures are established and used.						
11-06	Fill/Drain Nipple										
-01	Fill/Drain Nipple Cap	С	1	0	(M) May be inoperative o missing provided Fill/Dra Nipple is verified not to h leaks.	in					
11-07	Lavatory Faucet (EMBRAER 170/175/190/195)	С	-	0	(M) May be inoperative provided affected lavator faucet is deactivated.	y					
11-09	Fwd Drain Valve	С	1	0	 (M) May be inoperative provided: a) Valve is secured on c position, and b) Alternate procedures established and used drain the Potable Wat System lines. 	are to					
					NOTE: Potable water infl drainage system be inoperative.	-					

MASTER MINIMUM EQUIPMENT LIST											
Airplane	ERJ 170/ERJ 190				Revision 17	Page 38-5					
Systen	n &	1. F			ategory						
Segue			2. 1		ber installed						
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions	•					
38 WA	TER AND WASTE				4. Remarks and/or exceptions	•					
11-14	Cockpit Inflight Drainage System					l					
-A	EMBRAER 170/175/190/195/ LINEAGE 1000	D	1	0	(M) May be inoperative provided:a) Aft Drain Valve is deactivated, andb) Alternate procedures established and used.						
-B	EMBRAER 190-E2/ 195-E2	D	1	0	s 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.	d in					
13-04	Water Tank Quantity Indication Panel										
-01	EMBRAER 170/175/190/195/ LINEAGE 1000										
-A	"FULL" Indication	С	1	0	(M) May be inoperative provided alternate proced are established and used						
-B	"DRAIN" Indication	С	1	0							

	MASTER MINIMUM EQUIPMENT LIST											
Airplan	e ERJ 170/ERJ 190				Revision 17	Page 38-6						
_			Repa	air c	ategory	30-0						
Syster Seque				lum	ber installed							
No.				3. 1	Number required for dispatch 4. Remarks and/or exception	•						
38 WA	TER AND WASTE				4. Remarks and/or exception	3						
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 procedures are established and used.							
-В	"READY" Indication	С	1	0	May be inoperative provided "WAIT" indication on Potable Water Service Panel operates normally.							
-C	"WAIT" Indication	С	1	0	May be inoperative provided "READY" indication on Potable Water Service Panel operates 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					Revision 16	Page						
	ERJ 170/ERJ 190	4 6	200	.i	ata a a m	38-7						
Syster		1. 1	. Repair category 2. Number installed									
Seque			3. Number required for dispatch									
No.				4. Remarks and/or exceptions								
38 WA	TER AND WASTE											
31-04	Auto Drain Valve					1						
-A		С	1	0	(M) May be inoperative provided:a) Valve is secured closeb) Water supply to affect galley/lavatory sink is							
					deactivated, and c) Affected galley/lavato sink is not used.	ry						
-B		С	1	- 0 (M) May be inoperative provided: a) Manual shutoff valve is deactivated, and b) Affected galley/lavatory in not used.								
31-09	Gray Water Interface Valve (EMBRAER 190-E2/ 195-E2)											
-A		С	ı	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 in deactivated, andb) Affected galley/lavato not used.							

MASTER MINIMUM EQUIPMENT LIST											
Airplane ERJ 170/ERJ 190				Revision 16	Page 38-8						
	1. F	Repa	air c	ategory	30-0						
System & Sequence ITEM			lum	ber installed							
No.			3. 1	Number required for dispatch 4. Remarks and/or exceptions							
38 WATER AND WASTE				4. Remarks unarer exceptions	<u>-</u>						
32-00 Vacuum Waste System (VWS)											
-A	С	-		 (M) Individual component may be inoperative provided a) Associated component are deactivated or isoland b) Associated system components are verificated to have leaks. 	ded: nts lated,						
				NOTE: Any portion of sys which operates normally may be							
-B			-	 (M) May be inoperative provided: a) Associated component are deactivated or isolate to prevent leaks, and b) Associated lavatory door(s) is(are) secured closed and placarded "INOPERATIVE – DOENTER". 	lated d						
				NOTE: These provisos at not intended to prohibit inspection crewmembers. (Continued)							

	MASTER MINIMUM EQUIPMENT LIST											
Airplan	e ERJ 170/ERJ 190				Revision 16	Page						
	ERJ 1/0/ERJ 190		Repa	air c	ategory	38-9						
Syster Seque				Num	ber installed							
No.				3. 1	Number required for dispatch							
38 14/ 4	TER AND WASTE				4. Remarks and/or exception	5						
30 VV	TER AND WASTE											
32-00	Vacuum Waste System (VWS) (Continued)											
-C		D	-	-	 (M) Associated lavatory system may be inoperation provided: a) Water supply to affect lavatory is deactivated and b) Affected lavatory door 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.	İ						
32-03	Flush Switch (EMBRAER 190-E2/ 195-E2)	С	-	0	May be inoperative provi associated vacuum wast system is not used.							
-01 ***	Touchless Activation Function	D		0								

MASTER MINIMUM EQUIPMENT LIST										
Airplan		ED 1470/ED 1400				Revision 16	Page			
		ERJ 170/ERJ 190		Repa	air c	ategory	38-10			
Syste Seque		ITEM		_		ber installed				
No		I I EIVI			3. 1	Number required for dispatch				
20 \\//	\TEE	AND WASTE	<u> </u>			4. Remarks and/or exception	<u>s</u>			
30 VV	41Er	R AND WASTE	1	1	1					
32-09	Vac	cuum Generator								
-A			Α	1	0	May be inoperative powered on (running) continuously provided repairs are made within one flight day.				
-B			С	(M) May be inoperative provided: a) Vacuum Generator is deactivated, and b) Associated lavatory door(s) is(are) secured closed and placarded "INOPERATIVE – DO NOT ENTER". NOTE: These provisos are						
					NOTE: These provisos are not intended to prohibit inspections 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	(EN 170	or Drain System MBRAER 0/175/190/195/ EAGE 1000)	С	-	0	(M) May be inoperative provided associated lava door(s) is(are) secured c and placarded "INOPERATIVE – DO NOENTER". NOTE: These provisos a not intended to prohibit inspectio crewmembers.	OT Ire			

	MASTER MINIMUM EQUIPMENT LIST											
Airplan		RJ 170/ERJ 190				Revision 17	Page 44-1					
0		IND THOPLING 150		Repa	air c	ategory	44-1					
Syster Seque		ITEM		2. 1		ber installed						
No.					3. 1	Number required for dispatch 4. Remarks and/or exception	•					
44 CA	BIN S	SYSTEMS				n romano anaror exception	<u> </u>					
11-00	Pass Syst	senger Address em				Deleted. Revision 17 (Included in item 23-30-0	00).					
12-01		senger Cabin/ ey Speakers										
-A			С	-	-	- (M) Individual speakers may be inoperative provided any seat from which a passenger cannot clearly hear a passenger address announcement is blocked and placarded "DO NOT OCCUPY".						
-B			С	-	-	May be inoperative provided Passenger Address System is considered inoperative.						
12-02	(EMI 170/	tory Speakers BRAER 175/190/195/ E2/195-E2)	С	-	0	(O) May be inoperative provided alternate proceare established and used						
13-00	Inter (EMI 170/	n Service phone System BRAER 175/190/195/ E2/195-E2)				Deleted. Revision 17 (Included in item 23-51-0	00).					
13-01	Fligh Hand	it Attendant dset				Deleted. Revision 17 (Included in item 23-51-0	00).					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan		ERJ 170/ERJ 190				Revision 1	17	Page			
		EKJ 170/EKJ 190		Rep	air c	ategory		44-2			
Syste Seque		ITEM		2. 1	Num	ber installed					
No		I I CIVI			3. 1		ired for dispatch				
44.04	D	0)/075140				4. Remarks	and/or exception	S			
44 CA	RIN	SYSTEMS	1			T					
13-07	Aler	ht Attendant ting System ime/Light)									
-01		ht Attendant Call nts (Rainbow nts)									
-A	170	BRAER /175/190/195/ -E2/195-E2	В	_	0	provided: a) PA sys normal b) Alterna contac	Attendant Cal System is considered No Essential Equipment an Furnishing (NI Passenger Convenience Any visual ale system function that operates normally may used.	dants sed. I on- d EF) / Item. rting on(s)			

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190				Revision 1	17	Page 44-3				
			Repa	air c	ategory		44-3				
Syster Seque			_	Num	ber installed						
No.				3. 1		ired for dispatch					
44.04	BIN SYSTEMS				4. Remarks	and/or exception	5				
44 CA	DIN 3131LW3	l	1	1	1						
13-07	Flight Attendant Alerting System (Chime/Light)						 				
	(Continued)						İ				
-01	Flight Attendant Call Lights (Rainbow Lights) (Continued)										
-В	LINEAGE 1000	С	-	0	(O) May be inoperative provided alternate procedures for contacting flight attendants are established and used.						
		D	-	0	May be inoperative provided procedures do not require its use.						
					NOTE 1:	Passenger to Attendant Cal System is considered No Essential Equipment an Furnishing (NI Passenger Convenience	on- 				
					NOTE 2:	Any visual ale system function that operates normally may used.	on(s) 				
					(Continue	d)					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan		170/ERJ 190				Revision 1	17	Page 44-4			
•		170/EKJ 190		Repa	air c	ategory		44-4			
Syster Seque		ITEM			Num	ber installed					
No					3. 1		ired for dispatch and/or exception				
44 CA	BIN SYS	STEMS	1	ı		4. Romano	unaror exception				
13-07	Alerting (Chime	· ,									
	(Contin	•									
-02	Flight A Chime	ttendant									
-A		AER 5/190/195/ /195-E2	В	-	0	provided: a) PA sys normal b) Alterna contac are est NOTE 1:	Attendant Cal System is considered No Essential Equipment an Furnishing (NI Passenger Convenience	dants ised. I on- id EF) / Item.			
						NOTE 2:	system function that operates normally may used.	on(s)			

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	е	/ERJ 190				Revision 1		Page 44-5		
		72110 100	1. Repair category							
Syster Seque		ЕМ			lum	ber installed				
No.					3. 1		ired for dispatch			
44.04	DIN OVOTER	10				4. Remarks	and/or exception	<u>s</u>		
44 CA	BIN SYSTEM	/15		1 1						
13-07	Flight Attend Alerting Sys (Chime/Ligh	tem								
	(Continued)							į		
-02	Flight Attend Chime (Continued)									
-В	LINEAGE 1	000				provided a for contact	e inoperative alternate proced ting flight atten ished and used	dants İ		
							operative provi s do not requir			
						NOTE 1:	Passenger to Attendant Cal System is considered No Essential Equipment an Furnishing (Ni Passenger Convenience	ion- 		
						NOTE 2:	Any audio ale system function that operates normally may used.	on(s) 		

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190				Revision 17	Page 44-6				
			1. Repair category							
Syster Seque				Num	ber installed					
No.				3. I	Number required for dispatch					
					4. Remarks and/or exception	s				
44 CA	BIN SYSTEMS	1	1	1	Ī					
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 open 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 ope in standard mode	rate				
20-01	In-Flight Entertainment System (IFE) Maintenance Panels (EMBRAER	D	2	0	(M) May be inoperative provided alternate proce are established and used					
	170/175/190/195)				NOTE: Any portion of the system that oper normally may be	ates				

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190				Revision 17	Page 44-7				
			Rep	air c	ategory	44-7				
Syster Seque				Num	ber installed					
No.				3. I	Number required for dispatch					
44.04	BIN SYSTEMS		<u> </u>	<u> </u>	4. Remarks and/or exception	<u>s</u>				
44 CA	DIN 3131EW3	1	1	1	<u> </u>					
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 proceare 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 proceare established and used					
					NOTE: Any portion of the system that open normally may be	ates				
-B		D	-	0	May be inoperative provi procedures do not requir use.					
					NOTE: Any portion of the system that open 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 proce are established and used					

	MASTER MINIMUM EQUIPMENT LIST									
Airplane	ERJ 170/ERJ 190		Revision 17 Pa							
		1. F	1. Repair category							
Syster Seque			2. Number installed							
No.				3. 1	Number required for dispatch	_				
44.04	DIN SVSTEMS	<u> </u>			4. Remarks and/or exceptions	5				
44 CA	BIN SYSTEMS	1	1							
51-00 ***	Cabin Surveillance System (CSS)									
-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	e ERJ 170/ERJ 190				Revision 17	Page 45-1				
Syster					ategory	40-1				
Seque	nce ITEM		2. Number installed 3. Number required for dispatch							
No.				J. 1	4. Remarks and/or exception	s				
45 CE	NTRAL MAINTENAN	CE	SY	STE	EM					
45-01	Central Maintenance Computer (CMC) (EMBRAER 170/175/190/195/ LINEAGE 1000/ 190-E2 and 195-E2, Post-Mod. Load 9.0)	С	1	0	May be inoperative provi procedures do not requir 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 procedare established and used					
-B		D	1	0	May be inoperative provi procedures do not requir use.					
45-03 ***	Data-Loader Management Unit (DMU) (EMBRAER 170/175/190/195/ LINEAGE 1000)									
-A		С	1	0	(M) May be inoperative provided alternate procedare established and used					
-B		D	1	0	May be inoperative provi procedures do not requir use.					

MASTER MINIMUM EQUIPMENT LIST									
				Revision 14	Page 45-2				
		Repa	air c	ategory	.0 _				
nce ITEM		2. 1							
•			3. 1	4. Remarks and/or exceptions	3				
NTRAL MAINTENAN	CE	SY	STE	EM					
Database (DB) Module (EMBRAER 170/175/190/195/ LINEAGE 1000)									
	С	1	0	(M) May be inoperative provided alternate procedure established and used					
	D	1	0	May be inoperative provious procedures do not require use.					
Local Area Network (LAN) (EMBRAER 170/175/190/195/ LINEAGE 1000)	С	1	0	May be inoperative provious procedures do not require use.					
				NOTE: Loading, installing restoring software application or database will not available to the maintenance personnel.	9				
Wireless Server Unit (WSU) (EMBRAER 190-E2/ 195-E2)									
	С	1	0	(M) May be inoperative provided alternate procedure established and used					
	D	1	0	May be inoperative provious procedures do not require use.					
	ERJ 170/ERJ 190 M & STEM TEM TRAL MAINTENANG Database (DB) Module (EMBRAER 170/175/190/195/ LINEAGE 1000) Local Area Network (LAN) (EMBRAER 170/175/190/195/ LINEAGE 1000) Wireless Server Unit (WSU) (EMBRAER 190-E2/	ERJ 170/ERJ 190 m & ITEM NTRAL MAINTENANCE Database (DB) Module (EMBRAER 170/175/190/195/ LINEAGE 1000) C Local Area Network (LAN) (EMBRAER 170/175/190/195/ LINEAGE 1000) Wireless Server Unit (WSU) (EMBRAER 190-E2/ 195-E2) C	September Sept	RERJ 170/ERJ 190	Revision 14 Revision 14 1. Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions NTRAL MAINTENANCE SYSTEM Database (DB) Module (EMBRAER 170/175/190/195/ LINEAGE 1000) C 1 0 (M) May be inoperative provided alternate procedures do not require use. Local Area Network (LAN) (EMBRAER 170/175/190/195/ LINEAGE 1000) NOTE: Loading, installing restoring software application or database will not available to the maintenance personnel. Wireless Server Unit (WSU) (EMBRAER 190-E2/195-E2) C 1 0 (M) May be inoperative provided alternate procedures do not require use.				

	MASTER MINIMUM EQUIPMENT LIST										
Airplane		170/FD 1 400				Revision 16	Page 45-3				
	ERJ 1	170/ERJ 190	1 6	1. Repair category							
Syster Seque	n &	ITEM		2. Number installed							
No.		IIEW			3. 1	Number required for dispatch					
45 CEI	NTDAL M	IAINTENANG	`E	ev		4. Remarks and/or exception	S				
45 CE	NIKALIV	AINIENAN) <u></u>	31.	316	= IVI 					
45-11 ***	ADG-400 (EMBRA 170/175/ 195-E2)	ER									
-A			С	1	0	(M) May be inoperative provided alternate procedare established and used					
-B			D	1	0	May be inoperative provi procedures do not requir use.					

	MASTER MINIMUM EQUIPMENT LIST									
Airplane	e ERJ 170/ERJ 190	Revision 14 Pa								
Custor		1. F	1. Repair category							
Syster Seque				lum	ber installed					
No.				3. 1	Number required for dispatch	_				
46 INE	ODMATION SYSTEM				4. Remarks and/or exceptions	•				
40 INF	ORMATION SYSTEM	l I	1							
21-00	Electronic Flight Bag Systems (EFBs)									
-A		С	ı	0	(O) May be inoperative o missing provided alternat procedures are establish and used where operatin procedures are depende upon the use of the affect EFB.	te ed g nt				
					NOTE: Any EFB function which operates normally may be	į				
-B		D	-	0	May be inoperative provious procedures do not require use.					
-01	Data Connectivity									
-A		С	-	1	(O) May be inoperative provided alternate procedure established and used					
-B		D	-	0	May be inoperative provi procedures do not requir use.					

	MASTER MINIMUM EQUIPMENT LIST								
Airplan	e ERJ 170/	ED I 100		Page 46-2					
_		EKJ 190	1. F	1. Repair category					
Syster Seque		EM		2. 1	Num	ber installed			
No.					3. 1	Number required for dispatch 4. Remarks and/or exception	•		
46 INF	ORMATION	SYSTEM				4. Remarks and/or exception	3		
21-00	Electronic FI Systems (EF (Continued)								
-02	Power Conn	ection							
-A			С	1	-	(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		0/ERJ 190					Page 46-3		
Syster		<u> </u>	1. Repair category						
Seque		ITEM		2. N		ber installed lumber required for dispatch			
No.	ı				J. I	4. Remarks and/or exception	S		
46 INF	ORMATIO	N SYSTEM							
21-00	Electronic Systems (I (Continued	EFBs)							
-03	Mounting [Device							
-A			С		0	 (M)(O) May be inoperative provided: a) Associated EFB and hardware is secured leasternate 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 laternate means or removed from the aircand b) Procedures do not reits use. 	craft,		

Airplane ERJ 170/ERJ 190 System & Sequence No. ITEM No. Revision 14 1. Repair category 2. Number installed 3. Number required for dis 4. Remarks and/or exc	Page 46-4
System & 1. Repair category Sequence ITEM 2. Number installed 3. Number required for dis	
Sequence ITEM No. 2. Number installed 3. Number required for dis	
No. 3. Number required for dis	
ii Komarko anaroi oko	
46 INFORMATION SYSTEM	<u> </u>
21-02 USB Panel *** (EMBRAER 190-E2/ 195-E2)	
-A C - 0 (O) May be inoperal provided alternate pare established and	orocedures
NOTE: Any portion system that normally ma	operates
-B D - 0 May be inoperative procedures do not use.	•
NOTE: Any portion system that normally ma	operates
-01 USB Port	
-A C - 0 (O) May be inoperal provided alternate pare established and	orocedures
NOTE: Any portion system that normally ma	operates
-B D - 0 May be inoperative procedures do not use.	•
NOTE: Any portion system that normally ma	operates

MASTER MINIMUM EQUIPMENT LIST									
1 100	Revision 14 Page 46-5								
	Rep	air c	ategory	46-5					
	2. 1								
		3. 1		_					
CTENA			4. Remarks and/or exception	S					
O I EIVI	1	1							
С	1	0	(O) May be inoperative provided alternate proce are established and used						
		0	May be inoperative provi procedures do not requir use.						
	STEM 5/	1. Rep. 2. I	1. Repair c 2. Num 3. N STEM C 1 0	1. Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exception STEM C 1 0 (O) May be inoperative provided alternate proce are established and used D - 0 May be inoperative proviprocedures do not require					

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	е	70/ERJ 190				Revision 14	Page 47-1			
	LING	70/EIX0 130		2 an	air c	ategory	·			
Syster	n &		1. [ber installed				
Seque	nce	ITEM		2. 1		Number required for dispatch				
No					J. I	4. Remarks and/or exception	<u> </u>			
						4. Remarks and/or exception	3			
47 INE	RT GAS	SYSTEM								
00-00	Fuel Tan System (EMBRAI 195-E2)	ER 190-E2/	A	1	0	(M) May be dispatched inoperative provided: a) FTIS Dispatch Valve secured closed, b) APS PRSOV is secur closed, and c) Repairs are made wit 10 flight days.	ed			

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	e ERJ 170/ERJ 190					Page 49-1					
			Repa	air c	category	43-1					
Syster Seque				Num	ber installed						
No.				3. I	Number required for dispatch 4. Remarks and/or exceptions						
49 AIR	RBORNE AUXILIARY	PΩ	WE	· R	4. Kemarks and/or exceptions						
		1			l						
00-00	Auxiliary Power Unit (APU)	С	1	0	(M)(O) Except for ER operations, may be inoperative provided:a) APU is deactivated, anb) Procedures are not dependent on its use.	d					
16-04	APU Air Inlet Door										
	System (EMBRAER 190-E2/ 195-E2)										
-A		С	1	0	(M) May be inoperative provided:a) APU Air Inlet Door is deactivated closed, andb) APU is considered inoperative.	d					
-В		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 performance penalties are applied. 						
61-00	APU Master Knob										
-01	Knob Detents	С	2	0	(O) Except for ER operation knob detents may be inoperative provided the A is used on-ground only.						
71-00	APU RPM Indication on EICAS	С	1	0	May be inoperative or das provided APU is considere inoperative.						
72-00	APU EGT Indication on EICAS	С	1	0	May be inoperative or das provided APU is considere inoperative.						

	MASTER MINIMUM EQUIPMENT LIST									
Airplane	e ERJ 170/ERJ 190				Revision 17	Page 50-1				
O to		1. F	Repa	air c	ategory	30-1				
Systen Seque			2. Number installed							
No.				3. r	Number required for dispatch 4. Remarks and/or exceptions	s				
50 CA	RGO AND ACCESSO	RY	CC	MI						
22-01	Cargo / Baggage Door Nets									
-A		С	2	0	May be inoperative or mi provided adjacent Cargo are installed and the associated section remai empty.	Nets				
-B		С	2	0	May be inoperative or mi provided associated carg compartment remains en	jo				
22-02	Cargo / Baggage Nets									
-01	EMBRAER 170/175/190/195/ 190-E2/195-E2	Α		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 V	ding				
-02	EMBRAER 170/175/190/195/ 190-E2/195-E2/ LINEAGE 1000	D		0	May be inoperative or mi provided associated carg baggage compartment remains empty.					

			Revision 17	Page 50-2		
1. F	1. Repair category					
	2. Number installed					
		3. N				
				5		
KY	CC	JIVII	PARTMENTS			
С	1	0	contain only empty cargo handling equipment, balla (ballast may be loaded in	o ast n		
			define which item approved for inclu in the Fly Away K	ns are usion (its,		
С	1	0	associated cargo	·		
С		0	are established and used ensure the associated compartment remains en or is verified to contain or empty cargo handling equipment, ballast (ballas may be loaded in ULDs), and/or Fly Away Kits. NOTE: Operator MELs mapproved for incluing the Fly Away Kits and which materi	npty, nly st nust ns are usion cits,		
	C	2. N ORY CC C -	2. Num 3. N DRY COMI C - 0	2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions ORY COMPARTMENTS C - 0 (O) May be damaged provided procedures are established and used to ensure the associated compartment is verified to contain only empty cargo handling equipment, balla (ballast may be loaded in ULDs), and/or Fly Away INOTE: Operator MELs mapproved for incluin the Fly Away Kand which materican be used as ballast. C - 0 May be missing provided associated cargo compartment remains en or is verified to contain on empty cargo handling equipment, ballast (ballast may be loaded in ULDs), may be loaded in ULDs), and ballast (ballast may be loaded in ULDs), and ballast (ballast may be loaded in ULDs), and ballast (ballast may be loaded in ULDs), and ballast (ballast may be loaded in ULDs), and ballast (ballast may be loaded in ULDs), and ballast ballast (ballast may be loaded in ULDs), and ballast ballast (ballast may be loaded in ULDs), and ballast ballast (ballast may be loaded in ULDs), and ballast ballast (ballast may be loaded in ULDs), and ballast balla		

System & Sequence No. ITEM 1. Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 50 CARGO AND ACCESSORY COMPARTMENTS 51-06 Forward Cargo Door Insulation Blankets (EMBRAER 190-E2/195-E2) Deleted, Revision 17. Deleted, Revision 17. Deleted Revision 17. Deleted Revision 17. Deleted Revision 17. Deleted Revision 17. Deleted Revision 17. Deleted Revision 17. Deleted Revision 17. Deleted Revision 17. Deleted Revision 17. Deleted Revision 17. Deleted Revi	MASTER MINIMUM EQUIPMENT LIST										
System & Sequence No. 1. Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 50 CARGO AND ACCESSORY COMPARTMENTS 61-06 Forward Cargo Door Insulation Blankets (EMBRAER 190-E2/											
Sequence No. 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 50 CARGO AND ACCESSORY COMPARTMENTS 61-06 Forward Cargo Door Insulation Blankets (EMBRAER 190-E2/											
No. 3. Number required for dispatch 4. Remarks and/or exceptions 50 CARGO AND ACCESSORY COMPARTMENTS 61-06 Forward Cargo Door Insulation Blankets (EMBRAER 190-E2/		2. Number installed									
50 CARGO AND ACCESSORY COMPARTMENTS 61-06 Forward Cargo Door Insulation Blankets (EMBRAER 190-E2/											
61-06 Forward Cargo Door Insulation Blankets (EMBRAER 190-E2/	50 04 000 4 10 400 500		ions								
Insulation Blankets (EMBRAER 190-E2/	50 CARGO AND ACCESSO	DRY COMPARIMENTS									
	61-06 Forward Cargo Door Insulation Blankets (EMBRAER 190-E2/										

Revision 14 Page 52-1			MASTER MI	NIN	1UN	ΙE	QUIPMENT LIST	
System & Sequence No. 1TEM Sequence No. 1. Repair category 2. Number installed 3. Number required for dispatch [4. Remarks and/or exceptions] 52 DOORS 00-00 Passenger and Service Doors -A EMBRAER 170/175 A 4 3 (M)(O) One may be inoperative provided: a) Remaining main entry doors are fully operational, b) Associated door is not used for passenger loading, c) Emergency exit sign and floor proximity lights related to the associated door must be covered to obscure the signs and lights, d) Passengers must be briefed not to use the associated door, e) Passenger number is limited to 19 maximum, f) Blocked seating layouts and evacuation procedures must be developed and approved by local regulations for inclusion in the operator's manual, and g) Repairs are made within one flight day. NOTE 1: Weight and Balance Manifest must be revised as necessary to ensure proper loading limits are observed.	Airplan		470/ED 400				Revision 14	
O0-00 Passenger and Service Doors -A EMBRAER 170/175 A 4 3 (M)(O) One may be inoperative provided: a) Remaining main entry doors are fully operational, b) Associated door is not used for passenger loading, c) Emergency exit sign and floor proximity lights related to the associated door must be covered to obscure the signs and lights, d) Passengers must be briefed not to use the associated door, e) Passenger number is limited to 19 maximum, f) Blocked seating layouts and evacuation procedures must be developed and approved by local regulations for inclusion in the operator's manual, and g) Repairs are made within one flight day. NOTE 1: Weight and Balance Manifest must be revised as necessary to ensure proper loading limits are observed.	Seque	n & nce				Num	nber installed Number required for dispatch	1
Service Doors -A EMBRAER 170/175 A 4 3 (M)(O) One may be inoperative provided: a) Remaining main entry doors are fully operational, b) Associated door is not used for passenger loading, c) Emergency exit sign and floor proximity lights related to the associated door must be covered to obscure the signs and lights, d) Passengers must be briefed not to use the associated door, e) Passenger number is limited to 19 maximum, f) Blocked seating layouts and evacuation procedures must be developed and approved by local regulations for inclusion in the operator's manual, and g) Repairs are made within one flight day. NOTE 1: Weight and Balance Manifest must be revised as necessary to ensure proper loading limits are observed.	52 DO	ORS						
	00-00	Passen Service	Doors	A	4	3	(M)(O) One may be inoperative provided: a) Remaining main ent doors are fully operated by Associated door is not used for passenger loading, c) Emergency exit sign floor proximity lights related to the associated door must be covered obscure the signs are lights, d) Passengers must be briefed not to use the associated door, e) Passenger number is limited to 19 maximust be developed and evacuation procomust be developed and evacuation procomust be developed and evacuations for inclusing the operator's manual g) Repairs are made wone flight day. NOTE 1: Weight and Balance Marmust be revising ensure propositional similar observed.	ry tional, ot and ated d to ad se sum, outs edures and sion in al, and ithin

Airplane ERJ 170/ERJ 190 System & Sequence No. ITEM No. 1. Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 52 DOORS 00-00 Passenger and Service Doors (Continued) -A EMBRAER 170/175 (Continued) NOTE 2: Cabin attendants may be stationed in the vicinity of each door within blocked areas.	MASTER MINIMUM EQUIPMENT LIST									
System & Sequence No. 1. Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 52 DOORS 00-00 Passenger and Service Doors (Continued) -A EMBRAER 170/175 (Continued) NOTE 2: Cabin attendants may be stationed in the vicinity of each door within blocked										
Sequence No. 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 52 DOORS 00-00 Passenger and Service Doors (Continued) -A EMBRAER 170/175 (Continued) NOTE 2: Cabin attendants may be stationed in the vicinity of each door within blocked										
3. Number required for dispatch 4. Remarks and/or exceptions 52 DOORS 00-00 Passenger and Service Doors (Continued) -A EMBRAER 170/175 (Continued) NOTE 2: Cabin attendants may be stationed in the vicinity of each door within blocked										
52 DOORS 00-00 Passenger and Service Doors (Continued) -A EMBRAER 170/175 (Continued) NOTE 2: Cabin attendants may be stationed in the vicinity of each door within blocked										
00-00 Passenger and Service Doors (Continued) -A EMBRAER 170/175 (Continued) NOTE 2: Cabin attendants may be stationed in the vicinity of each door within blocked										
Service Doors (Continued) -A EMBRAER 170/175 (Continued) NOTE 2: Cabin attendants may be stationed in the vicinity of each door within blocked										
(Continued) may be stationed in the vicinity of each door within blocked										

	MASTER MINIMUM EQUIPMENT LIST									
Airplan		170/ED 1400				Revision 14	Page			
	ERJ 1	170/ERJ 190		2an	air c	ategory	52-3			
Syste		ITEM				ber installed				
Seque No		ITEM			3. 1	Number required for dispatch				
						4. Remarks and/or exception	S			
52 DO	ORS		1	1	1	T				
00-00	Passeng Service I (Continue	Doors								
-B	EMBRAE 190/195/ 195-E2		A	4	3	 (M)(O) One may be inoperative for a maximum 5 flights provided: a) The number of passe carried and the position the seats which they occupy is in accordant with the Maximum Passenger Capacity (MPC) table, b) Blocked seating layour and evacuation process must be developed an included in the operation manual, c) Affected door/exit is considered and locked, d) The affected door/exit is marked with a placard prohibit utilization, as applicable, f) All the door/exit mark signs and lights associated doors are fully operational and h) Passengers must be briefed not to use the associated door. (Continued) 	ngers on of once uts edures and cor's elosed to ingers elosed el			

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190	1			Revision 1	14	Page 52-4			
01			1. Repair category							
Syster Seque			2. I		ber installed					
No.				3. 1		ired for dispatch and/or exceptions	s			
52 DO	ORS	<u> </u>	<u> </u>	<u> </u>	4. Remarks	аналог схосрион				
00-00	Passenger and Service Doors (Continued)									
-В	EMBRAER 190/195/190-E2/ 195-E2 (Continued)				NOTE 1:	Weight and Balance Manif must be revise necessary to ensure proper loading limits a observed.	ed as			
					NOTE 2:	Cabin attenda may be station the vicinity of door within blo areas.	ned in each			
00-30	Passenger and Service Doors Emergency Opening Assisting System (EMBRAER 170/175/190/195/ 190-E2/195-E2)	A	4	3	missing fo		of 5			
00-31	Aft Baggage Door Emergency Opening System (LINEAGE 1000)	С	1	0						

	MASTER MINIMUM EQUIPMENT LIST									
Airplan		:D 470/ED 400				Revision 14	Page			
		RJ 170/ERJ 190		Repa	air c	ategory	52-5			
Syster Seque		ITEM				ber installed				
No		II EW			3. 1	Number required for dispatch				
E2 DO	ODS					4. Remarks and/or exception	8			
52 DO	UKS		ı	l						
21-00		rwing ergency Exit rs								
-A		BRAER (195/190-E2	A	2	1	 (M)(O) One may be inoperative for a maximum 5 flights provided: a) The number of passed carried and the positive the seats which they occupy is in accordant with the Maximum Passenger Capacity (MPC) table, b) Blocked seating layour and evacuation proced must be developed a included in the operation manual, c) Affected exit is closed locked and placarded inoperative, d) Emergency exit signed photoluminescent escroute markings related the associated overwexit must be covered obscure the signs and lights, e) Passengers must be briefed not to use affeoverwing exit, and f) All passenger and sedoors are fully operation. (Continued) 	engers on of the cape d to enger cape d to ing to d rvice			

	MASTER MINIMUM EQUIPMENT LIST									
Airplan		J 170/ERJ 190				Revision 14	Page 52-6			
Syste		3 170/ER3 190				category	32-0			
Seque		ITEM		2. I		nber installed Number required for dispatch				
No	•				3. 1	4. Remarks and/or exception	·S			
52 DO	ORS									
	Doors (Conti	gency Exit nued)			2	(M)(Q) One or both from	one I			
-B	EMBR	AER 195-E2	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 positithe seats which they occupy is in accordar with the Maximum Passenger Capacity (MPC) table, b) Blocked seating layou and evacuation proce must be developed a included in the operarmanual, c) Affected exit(s) is(are closed, locked and placarded inoperatived) Emergency exit sign photoluminescent escroute markings relate the associated overwexit(s) must be covernobscure the signs and lights, e) Passengers must be briefed not to use affeoverwing exit(s), and f) All passenger and sedoors are fully operated 	for a			

	MASTER MINIMUM EQUIPMENT LIST								
Airplane	ED 1470/ED 140/	<u> </u>			Revision 16	Page			
	ERJ 170/ERJ 19		Rena	air c	ategory	52-7			
System of Sequence				Num	ber installed				
No.	e IIEW			3. 1	Number required for dispatch				
50 DOO					4. Remarks and/or exception	S			
52 DOO	KS	1	l	1					
E [(1	Overwing Emergency Exit Door Flight Lock EMBRAER 190-E2/ 195-E2)	1							
-A		С		0	 (M)(O) May be inoperative 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 opener 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. (Continued) 	ed ncy d to d, y the d to er cted			

MASTER MINIMUM EQUIPMENT LIST									
Airplane	ED 1 470/ED 1 400		Page						
	ERJ 170/ERJ 190	1 6	2an	ategory	52-8				
System &		1. [ber installed				
Sequence No.	ITEM		3. Number required for dispatch						
NO.					4. Remarks and/or exceptions	3			
52 DOORS	<u>S</u>								
Doo (EN 195	erwing nergency Exit or Flight Lock MBRAER 190-E2/ 5-E2) ontinued)								
-B		O		0	 (M)(O) May be inoperative unlocked provided: a) The affected flight lock deactivated at unlocked position, b) All Overwing Emerger Exit Doors are verified be capable of being unlatched and opened before each flight, and c) A person employed by operator is designated be seated in passenge seat nearest the affect Overwing Emergency Door when cabin differential pressure is than 2.0 psi. 	k is ed ncy I to d d y the d to er ted Exit			
-C		A	-	-	May be inoperative lockerovided associated Over Emergency Exit Door(s) is (are) considered inoperational considered inoperations.	rwing is			

	MASTER MINIMUM EQUIPMENT LIST									
Airplan			Revision 16 Pa							
	EF	RJ 170/ERJ 190			52-9					
Syster	m &		1. 1	Repair category 2. Number installed						
Seque		ITEM		2. 1		Number required for dispatch				
No	•					4. Remarks and/or exception				
52 DO	ORS									
30-00	Cargo	o Compartment	С	2	0	(M)(O) May be inoperative provided: a) Associated cargo compartment is emptous verified to contain on empty cargo handling equipment, ballast (because and/or Fly Away Kits, because because and locked before earlight. NOTE: Operator MELs in the define which item approved for inclination in the Fly Away is and which materican be used as ballast.	y or is ly allast Ds), and s ed, ch must ns are usion Kits,			

	MASTER MINIMUM EQUIPMENT LIST									
Airplan	e ERJ 170/ERJ 190				Revision 17	Page 52-10				
Syster	n 8	1. F	1. Repair category							
Seque			2. 1		ber installed					
No.				3. r	Number required for dispatch 4. Remarks and/or exceptions	<u> </u>				
52 DO	ORS									
30-20	Forward and Aft Cargo Compartment Door Gas Spring Actuators									
-A		С	4	2	One Gas Spring Actuator door may be inoperative or missing provided opposite Actuator Bellcrank and Drack operates normally.	or e				
-B		В	4	0	 (M) May be inoperative or missing provided: a) Door is verified capable being held open, and b) Alternate procedures a established and used operate the affected Compartment Door. 	le of are to				
-C		С	4	0	May be inoperative provice affected cargo compartments door is not used.					
30-22	Forward and Aft Cargo Compartment Door Actuator Bellcranks	С	4	2	One Actuator Bellcrank po door may be damaged or missing provided opposite Gas Spring Actuator and Drive Rod operates norm	Э				
30-24	Forward and Aft Cargo Compartment Door Drive Rods	С	4	2	One Drive Rod per door r be damaged or missing.	nay 				
31-20	Fwd (Aft) Cargo Door Green Indicators				Deleted, Revision 13.					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190				Revision 17	Page 52-11					
0			Repa	air c	ategory	32-11					
Syster Seque				lum	ber installed						
No.				3. r	Number required for dispatch 4. Remarks and/or exceptions	3					
52 DO	ORS										
31-28	Forward or Aft Cargo Door Closing Rods	D	ı	0	(M) May be inoperative o missing provided alternat procedures are establishe and used.	e					
51-00 ***	Cockpit Door Locking System	С	1	0	 (O) May be inoperative provided: a) Alternate procedures established and used, b) Cockpit Door Locking System is not required local regulations. 	and					
-01	Electromechanical Latch	В	1	0	 (M)(O) May be inoperative provided: a) Electromechanical Landeactivated, and b) Alternate procedures established and used locking and unlocking flight deck door. 	tch is are for					
-02	Mechanical Handle	С	1	0	NOTE: Any function on the Electromechanical Latch which operation or mally may be May be inoperative provided.	al ates used.					
02	Wednamed Handle		ľ	0	Electromechanical Latch operates normally.	acu					
					(Continued)						

MASTER MINIMUM EQUIPMENT LIST										
Airplane		RJ 170/ERJ 190				Revision 16	Page 52-12			
		X3 170/EX3 190		1. Repair category						
Systen Seque		ITEM			Num	ber installed				
No.					3. 1	Number required for dispatch 4. Remarks and/or exception				
52 DO	ORS		!			Tromano anazor exception	<u>-</u>			
51-00 ***	Locki	pit Door ing System tinued)								
-03		pit Door rol Panel					I			
-A	LOC	Compare the second sec	В	1	0	May be inoperative provi Electromechanical Latch considered inoperative.				
-В	LOCI Light	≺ Pushbutton	В	1	0	(O) May be inoperative provided the LOCK pushbutton is verified to operate normally.				
-C	INHIE	3 Pushbutton	В	1	0	May be inoperative provi Electromechanical Latch considered inoperative.				
-D	INHIE Light	3 Pushbutton	В	1	0	(O) May be inoperative provided the INHIB pushbutton is verified to operate normally.				
-E		OCKED nciator ON	С	1	0	 (O) May be inoperative provided: a) Door Chime operates normally, and b) The LOCK and INHIB pushbuttons are verificoperate normally. (Continued) 				

MASTER MINIMUM EQUIPMENT LIST										
Airplane					Revision 16	Page				
	ERJ 170/ERJ 190	1. F	Repa	52-13						
Syster Seque			2. Number installed							
No.				3. 1	Number required for dispatch					
52 DO	OPS	<u> </u>			4. Remarks and/or exceptions	•				
32 DO	ONS	1								
51-00 ***	Cockpit Door Locking System (Continued)									
-04	Flight Attendant Cockpit Door Control Panel									
-A	Emergency Entry Pushbutton	В	1	0	 (M)(O) May be inoperative provided: a) Electromechanical Late deactivated, b) The cockpit door is secured closed for take and landing, and c) Alternate procedures a established and used secure and to access cockpit during the flight accordance with the Operator's security po 	eoff are to the nt 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 proced are established and used					
-D	Door Opening Sequence Inhibited Red Light	В	1	0	(O) May be inoperative provided alternate proced are 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										
Airplan	e ERJ 170/ERJ 190				Revision 16	Page 52-14					
			Rep	air c	 category	52-14					
Syster Seque				Num	nber installed						
No.				3. I	Number required for dispatch						
F2 D0	OBS	<u> </u>			4. Remarks and/or exception	<u>s</u>					
52 DO	UKS	l I	l	l							
51-00 ***	Cockpit Door Locking System (Continued)										
-05	Door Chime	В	1	0	(O) May be inoperative provided alternate procedure established and used						
-06	Maintenance Lock	D	1	0		1					
51-01 ***	Cockpit Door Peephole										
-A		A	1	0	(O) May be inoperative provided: a) Alternate procedures established and used b) 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 id 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.	у					
70-00	Doors Position Indication on MFD and associated EICAS Messages	С	-	0	(M)(O) May be inoperative provided affected door is verified closed, latched a locked before each flight	ind					
				1							

	MASTER MINIMUM EQUIPMENT LIST								
Airplan		RJ 170/ERJ 190				Revision 16	Page 52-15		
• •		NJ 170/ENJ 190		Repa	32-13				
Syste Seque		ITEM			lum	ber installed			
No					3. 1	Number required for dispatch 4. Remarks and/or exception	s		
52 DC	ORS					4. Remarks and or exception	<u> </u>		
70-01	Serv Indic (EME	senger and ice Doors ators BRAER 175/190/195)							
-01		Latch Visual	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 indicates 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 I cted y.		

MASTER MINIMUM EQUIPMENT LIST										
Airplan				Page						
	<u> </u>	RJ 170/ERJ 190		200	ato a o m /	52-16				
Syste			1. 1	Repair category Number installed						
Seque		ITEM		2. 1	3. 1	Number required for dispatch				
No	•			4. Remarks and/or exceptions						
52 DO	ORS									
70-01	Serv Indic (EMI 170/	senger and ice Doors ators BRAER 175/190/195) tinued)								
-02		Locked Visual ators	С	8	4	 (M)(O) One on each doo be inoperative provided: a) Affected door is verific closed, latched and lobefore each flight, b) Door latch visual indic operates normally, and c) Latch mechanism is verified to operate normally. NOTE: The DOOR PAX (SERV) FWD (AFOPEN Warning EICAS message be displayed. 	ed ocked cator d			
-03	ARM DISA	ape Slide IED/ ARMED ators	С	4	3	(M)(O) May be inoperative provided: a) Indicator is covered to obscure the ARMED/DISARMED: b) Girt bar indication is verified to operate normally, and c) Alternate procedures established and used indicate to crew Esca Slide status. (Continued)	sign, are to			

	MASTER MINIMUM EQUIPMENT LIST									
Airplan		RJ 170/ERJ 190				Revision 16	Page 52-17			
<u> </u>		170/EIX3 130		Repa	air c	ategory	32-17			
Syster Seque		ITEM			lum	ber installed				
No.					3. [Number required for dispatch 4. Remarks and/or exception	s			
52 DO	ORS						_			
	Pass Servi Indica (EME 170/	enger and ce Doors ators BRAER 175/190/195) tinued)								
-04		Bar Escape Indicators	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. 	0			
70-02	Warr	nal Door ning System EAGE 1000)	С	1	0	(M) May be inoperative provided the internal doc are secured open.	ors			

	MASTER MINIMUM EQUIPMENT LIST										
Airplan		470/ED 400				Revision 14	Page				
	ERJ	170/ERJ 190		2 on:	air c	ategory	71-1				
Syster	n &		1. [. Repair category 2. Number installed							
Seque No.		ITEM				Number required for dispatch					
						4. Remarks and/or exception	S				
71 PO	WERPLA	NT									
11-02	Fan Cov	vl Latches									
-01	Position	Sensors ER 190-E2/	С	6		(M) May be inoperative provided Fan Cowl Latch are verified closed before each flight.					

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Airplan	e ERJ 170/ERJ 190	ı			Revision 14	Page 73-1					
Cueta			Rep	air c	ategory	70 1					
Syste Seque			2. I		ber installed						
No				3. 1	Number required for dispatch 4. Remarks and/or exception	s					
73 EN	GINE FUEL AND CO	NTF	ROL	_							
21-01	Engine Full Authority Digital Electronic Control (FADEC) System										
-01	System Faults										
-A	EMBRAER 170/175/190/195/ 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 enginemanufacturer in the airworthiness section of Engine Manual GEK 112 (EMBRAER 170/175) or 112081 (EMBRAER 190 No Extensions are authorized authorized to the ENGLOW CONTRACT CONT	e the 2031 GEK /195).					
-B	EMBRAER 190-E2/ 195-E2	A	-	-	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 Engine Manual. No extensions are authorize	the					
-C	EMBRAER 190-E2/ 195-E2	С	2	1	May be dispatched with ENG 1 FADEC FAULT E message displayed prov ENG 2 FADEC FAULT is displayed on the EICAS. (Continued)	ided s not					

	MASTER MINIMUM EQUIPMENT LIST											
Airplan	e ERJ 170/ERJ 190				Revision 14	Page 73-2						
			Rep	air c	ategory	73-2						
Syster Seque			2. I		ber installed							
No				3. I	Number required for dispatch 4. Remarks and/or exception	<u> </u>	_					
73 EN	GINE FUEL AND COM	NTF	ROL		Tricina no anaror exception	<u>-</u>	_					
21-01	Engine Full Authority Digital Electronic Control (FADEC) System (Continued)											
-01	System Faults (Continued)											
-D	EMBRAER 190-E2/ 195-E2	С	2	1	May be dispatched with ENG 2 FADEC FAULT E message displayed provi ENG 1 FADEC FAULT is displayed on the EICAS.	ided						
21-15	ENG 1(2) FUEL IMP BYPASS Caution EICAS Message				Deleted, Revision 13 (Included in item 73-34-2	<u>?</u> 1).						
21-17	T2 Sensor Heater (EMBRAER 170/175)	В	2	1	May be inoperative provi a) One Ice Detection Sy is operative, and b) Airplane is not operat known or forecast icir conditions.	stem ed in						
21-21	P2T2 Heater (EMBRAER 190-E2/ 195-E2)	С	2	1	One may be inoperative provided aircraft is not operated in known or for icing conditions.	ecast						
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 operatio are required.	ON cept						
31-07	ENG 1(2) FUEL LO PRESS Caution EICAS Message				Deleted, Revision 13 (Included in item 73-31-0)1).						

	MASTER MINIMUM EQUIPMENT LIST										
Airplan		70/ERJ 190				Revision 16	Page 73-3				
_		70/ERJ 190		Repa	air c	ategory	13-3				
Syster Seque		ITEM			Num	ber installed					
No.					3. 1	Number required for dispatch 4. Remarks and/or exception	•				
73 EN	GINE FUE	L AND COM	NTF	ROL		Tromano anazor exception	<u> </u>				
34-21	Engine For Differential Sensor	uel Filter al Pressure									
-A	EMBRAE	R 170/175	С	2	1	(M) One may be inoperated provided visual inspection performed before each fluorensure that there is not bypass.	n is ight				
-B	EMBRAE LINEAGE	R 190/195/ E 1000	С	2	1	(M) One may be inoperated provided associated fuel is changed before the first flight of each flight day.	filter				
-C	EMBRAE 195-E2	R 190-E2/	Α	2	1	 (M) One may be inoperate provided: a) Associated fuel filter in changed within 10.5 Found b) Repairs are made with 10 flight days. 	s FH,				
34-22	Impendin Condition	uel Filter in g Bypass i ER 190-E2/	A	2	1	One engine may be dispatched with ENG 1 (2) FUEL IMP BYPASS Cau EICAS message provide a) Associated filter was a changed within the saday due to a previous impending bypass indication, and b) Repairs are made with 10.5 FH.	tion d: not ime fuel				

MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190)			Revision 14	Page 75-1				
Syster Seque No.	n & nce ITEM			Num	ategory ber installed Number required for dispatch 4. Remarks and/or exceptions	-				
75 EN	GINE AIR	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 Message provided appropriate fuel consumption penalties ar applied.	NCR e				
26-02	Engine Buffer Air System (EMBRAER 190-E2/ 195-E2)									
-01	System Faults	Α	2	1	 (M) One may be dispatch for one flight with ENG 1 BACV VLV FAIL Caution EICAS Message provided a) Associated Engine Ble System is considered inoperative for the intended flight, b) Aircraft is not operated known or forecast icin conditions, and c) Oil quantity is serviced before the flight. 	(2) d: eed d in g				

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Airplane	ERJ 170/ERJ 190)			Revision 14	Page 77-1					
System					category						
Syster Seque			2. 1		nber installed						
No.				3. 1	Number required for dispatch 4. Remarks and/or exceptions						
77 EN	GINE INDICATING	1	l	l	4. Nemarks and/or exceptions	<u>'</u>					
31-00	Engine Vibration Indication on EICAS										
-01	EMBRAER 170/175/190/195/ LINEAGE 1000										
-A	HP Vibration Indication on EICAS	С	2	1							
-02	EMBRAER 190-E2/ 195-E2										
-A	Fan Vibration Indication	В	2	1	May be inoperative provided a) There are no reports of vibration above the file advisory limits on last or engine start-up, b) All vibration indications from opposite engine a operative, and c) Aircraft is not operated known or forecast icing conditions.	of Id flight s are					
-В	HP Vibration Indication	С	2	1	May be inoperative provida) There are no reports of vibration above the file advisory limits on last or engine start-up, and b) All vibration indications from opposite engine a operative.	of Id flight d s					
-C	LP Vibration Indications	С	2	1	May be inoperative provida) There are no reports of vibration above the file advisory limits on last or engine start-up, and b) All vibration indications from opposite engine a operative.	of Id flight d s					

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Airplane		00			Revision 14	Page				
	ERJ 170/ERJ 1		Rena	air c	ategory	78-1				
Systen Sequer				lum	ber installed					
No.	ice II Livi			3. 1	Number required for dispatch					
70 EVI	LALIOT				4. Remarks and/or exception	S				
/8 EXI	HAUST	1			<u> </u>					
	Thrust Reverser System	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 Faults									
-A		C	2	0	 (M)(O) May be dispatched with the ENG 1 (2) REV DEPLOYED Warning El Message provided: a) Affected thrust revers locked in the forward position, and b) Appropriate performation penalties are applied. 	CAS er is thrust nce				
-B		С	2	0	 (M)(O) May be dispatched with the ENG 1 (2) REV PROT FAULT Caution Endessage provided: a) Affected thrust revers locked in the forward position, and b) Appropriate performat penalties are applied. 	ICAS er is thrust nce				
-C		C	2	0	(M)(O) May be dispatche with the ENG 1 (2) REV Caution EICAS Message provided: a) Affected thrust revers locked in the forward position, and b) Appropriate performa penalties are applied. (Continued)	FAIL er is thrust nce				

	MASTER MINIMUM EQUIPMENT LIST										
Airplan					Revision 14	Page					
	ERJ 170/ERJ 190		Don	air c	ategory	78-2					
Syster		'			nber installed						
Seque					Number required for dispatch						
No.	i				4. Remarks and/or exception	s					
78 EX	HAUST										
30-00	Thrust Reverser System (Continued)										
-01	System Faults (Continued)										
-D		С	2	0	 (M)(O) May be dispatched with the ENG 1 (2) REV FAIL Caution EICAS Mest provided: a) Affected thrust revers locked in the forward position, and b) Appropriate performat penalties are applied. 	TLA ssage er is thrust nce					
-E		С	2	0	 (M)(O) May be dispatched with the ENG 1(2) REV INHIBIT Status EICAS Message provided: a) Affected thrust revers locked in the forward position, and b) Appropriate performation penalties are applied. 	er is thrust nce					
34-04	ENG 1 (2) REV DEPLOYED Warning EICAS Message				Deleted, Revision 13 (Included in item 78-30-0	00).					
34-06	ENG 1 (2) REV PROT FAULT Caution EICAS Message				Deleted, Revision 13 (Included in item 78-30-0	00).					
34-08	ENG 1 (2) REV FAIL Caution EICAS Message				Deleted, Revision 13 (Included in item 78-30-0	00).					
34-10	ENG 1 (2) REV TLA FAIL Caution EICAS Message				Deleted, Revision 13 (Included in item 78-30-0	00).					

System & Sequence No. ITEM 1. Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 34-12 ENG 1 (2) REV INHIBIT Status EICAS Message	MASTER MINIMUM EQUIPMENT LIST										
System & Sequence No. 1. Repair category 2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 78 EXHAUST 34-12 ENG 1 (2) REV Deleted, Revision 13 (Included in item 78-30-00).					Revision 14						
2. Number installed 3. Number required for dispatch 4. Remarks and/or exceptions 78 EXHAUST 34-12 ENG 1 (2) REV INHIBIT Status 2. Number installed 4. Remarks and/or exceptions Deleted, Revision 13 (Included in item 78-30-00).	ERJ 170/ERJ 190	1 D	lono	ir o	atagary	78-3					
3. Number required for dispatch 4. Remarks and/or exceptions 78 EXHAUST 34-12 ENG 1 (2) REV Deleted, Revision 13 (Included in item 78-30-00).	System &	1. K	2. N	lum	her installed						
78 EXHAUST 34-12 ENG 1 (2) REV Deleted, Revision 13 (Included in item 78-30-00).				3. N	lumber required for dispatch						
34-12 ENG 1 (2) REV Deleted, Revision 13 (Included in item 78-30-00).	NO.				4. Remarks and/or exception	ıs					
INHIBIT Status (Included in item 78-30-00).	78 EXHAUST										
	34-12 ENG 1 (2) REV INHIBIT Status				Deleted, Revision 13 (Included in item 78-30-						

	MASTER MINIMUM EQUIPMENT LIST										
Airplane	e ERJ 170/ERJ 190				Revision 14	Page 79-1					
			Repa	air c		7 3-1					
Systen Seque				lum	ber installed						
No.				3. 1	Number required for dispatch						
70 011					4. Remarks and/or exceptions	<u> </u>					
79 OIL	•										
21-00	Oil Supply System										
-01	System Faults (EMBRAER 190-E2/ 195-E2)	С	2	1	 (M) One may be dispatch with ENG 1 (2) OIL SEAL FAULT Caution EICAS Message provided: a) Associated Engine Ble System is considered inoperative, and b) Oil quantity is serviced before first flight of earlight day. 	eed					
31-00	Oil Quantity Indication on MFD				Deleted, Revision 13 (Included in item 79-31-2	1).					
31-03	Oil Tank Oil Level Indicator	С	2	0	(M) May be inoperative provided alternate proced are established and used verify oil level when servi is performed.	l to					
31-07	ENG 1(2) OIL LO LEVEL Caution EICAS Message				Deleted, Revision 13 (Included in item 79-31-2	1).					
31-21	Engine Oil Quantity Sensor	С	2	1	 (M)(O) Except for ER operations, one may be inoperative provided: a) Oil quantity is serviced before each flight, and b) Oil Pressure Indication available and is monit throughout the flight. 	d n is					

MASTER MINIMUM EQUIPMENT LIST									
Airplane		RJ 170/ERJ 190				Revision 14	Page 79-2		
Systen		110/110 190				ategory			
Seque		ITEM		2. 1		ber installed Number required for dispatch			
No.	ı				J. 1	4. Remarks and/or exception	s		
79 OIL									
33-01	Low Swite	Oil Pressure ch							
-A	170/ LINE	RAER 175/190/195/ RAGE 1000, Mod. Load 21.2	С	2	1	 (O) One may be inoperated provided: a) Oil Pressure Indication available and is monited throughout the flight, and being the ENG 1 (2) OIL LO PR Warning EICAS Messon opposite engine operates normally. 	n is tored and ESS		
-B	170/ LINE Load	RAER 175/190/195/ RAGE 1000 I 25.3 and on, pt Load 25.4	С	2	0	May be inoperative provi oil pressure indication is available.	ded		
33-09	PRE EIC	1 (2) OIL LO SS Warning AS Message -Mod. Load)				Deleted, Revision 13 (Included in item 79-33-0	01).		

	MASTER MINIMUM EQUIPMENT LIST										
Airplan	e ERJ 170/ERJ 190	,			Revision 16	Page 79-3					
			Rep	air c	 category	19-3					
Syster Seque				Num	ber installed						
No.				3. I	Number required for dispatch						
70.011		<u> </u>	<u> </u>	<u> </u>	4. Remarks and/or exception	S					
79 OIL		1	1	1	<u> </u>						
33-23	Engine Oil Filter Differential Pressure Sensor										
-A	EMBRAER 170/175/190/195/ LINEAGE 1000	С	2	1	 (M) One may be inoperal provided: a) Associated ENG 1 (2 CHIP DETECTED Maintenance Messag confirmed not presen MFD Engine Mainten Page before each flig and b) Oil filter is inspected the presence of contamination before the first flight ceach flight day. 	e is t on ance ht, for nants					
-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 detection events. 	sage re vithin ren n s, and not					

	MASTER MINIMUM EQUIPMENT LIST										
Airplan		RJ 170/ERJ 190				Revision 16	Page 79-4				
		.NJ 170/ENJ 190		Repa	air c	ategory	13-4				
Syster Seque		ITEM			Num	ber installed					
No.					3. 1	Number required for dispatch 4. Remarks and/or exception	s				
79 OIL											
33-24	Imp	ine Oil Filter in ending Bypass dition									
-A	195-	BRAER 190-E2/ E2, Pre-Mod. GINE FADEC 9.6	A	2	1	 (M) One engine may be dispatched with ENG 1 (3 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 				
-В	195-	BRAER 190-E2/ ·E2, Post-Mod. GINE 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	BYF	6 1(2) OIL IMP PASS Advisory AS Message				Deleted, Revision 13 (Included in item 79-33-2	23).				

MASTER MINIMUM EQUIPMENT LIST										
Airplan		ED I 170/ED I 100				Revision 16	Page			
		ERJ 170/ERJ 190	1. F	Repa	air c	ategory	79-5			
Syster Seque		ITEM			lum	ber installed				
No.					3. 1	Number required for dispatch 4. Remarks and/or exception				
79 OIL						4. Remarks and/or exception	3			
35-21	Eng Mor (EM 195	nine Oil-Debris nitoring System IBRAER 190-E2/ -E2)								
-01		Debris Above it Indication	A	2	1	One engine may be dispatched with ENG 1 (CHIP DETECTED Advis EICAS Message provide a) ENG 1 OIL IMP BYPA and ENG 2 OIL IMP BYPASS Advisory Elimessages 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 ED 1470/ED 1400		D I 100				Revision 14	Page 80-1
ERJ 170/ERJ 190				Repa	air c	ategory	80-1
System & Sequence ITEM No.			2. Number installed				
		•			3. N	lumber required for dispatch 4. Remarks and/or exceptions	
80 ST		4. Nemarks and/or exceptions				3	
80 STARTING							
10-01	Starter Contro Valve (SCV)	ol					
-A	-A EMBRAER 170/175/190/195/ LINEAGE 1000		С	2	1	(M)(O) One may be inoperative provided mar override procedures are for engine ground start.	
						NOTE: See AFM for Windmilling starts associated engine	
-B	EMBRAER 19 195-E2	90-E2/	Α	2	1	 (M) One may be inoperate provided: a) Manual override procedures are used to engine ground start, at b) Repairs are made with three flight days. 	for and
						NOTE: See AFM for Windmilling starts associated engine	
10-05	Engine Start/S Switch Cover	Stop	С	2	0	May be inoperative or missing.	