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Federal Aviation Administration
Washington, DC

Master Minimum Equipment List (MMEL)

Revision: 6
Date: 05/24/2022

Leonardo S.p.A.
A119, AW119 MKII
(TCDS H7EU)

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AIRCRAFT:
A119, AW119 MKII

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71	Powerplant	71-1	6	05/24/2022

NOTE: This MMEL also incorporates relief for part 91 operations.

LOG OF REVISIONS

REV NO.	DATE	PAGE NO.
Original	10/10/2002	Original.
1	10/25/2002	Highlights of Change, Definitions, 22-1, 29-1, 32-1, 65-1
1a	12/01/2004	Highlights of Change, Definitions, 33-2, 34-1
1b	05/03/2007	Highlights of Change, Definitions, 25-2
2	10/27/2013	Conversion to Joint Aircraft System/Component (JASC) Coding, Incorporation of Global Change (GC) Policy Letters.
3	03/24/2014	Incorporation of additional Global Change (GC) Policy Letters.
4	08/14/2015	Added Page VII titled “Incorporated Policy Letters”. Added Sections 64 and 71 to incorporate STC’s for additional relief. Other minor editing as noted by change bars in the right hand column.
4a	07/01/2016	Removed Page VII titled “Incorporated Policy Letters”. Revised REMARKS OR EXCEPTIONS for item 3300-02. Other minor editing as noted by change bars in the right hand column. Revised formatting for compliance to Section 508 of the Rehabilitation Act of 1973.
4b	11/08/2019	Cover Page, Table of Contents and Control Page, Log of Revisions, Highlights of Change, Definitions and Preamble, Guidelines for (M) and (O) Procedures, 23-1 thru 3, 24-1, 25-1, 25-4, 26-1, 28-1, 30-1, 31-1, 33-2 thru 33-3, 34-1, 34-3 thru 13.
5	09/18/2020	Cover page, Table of Contents and Control Page, Log of Revisions, Highlights of Change, Guidelines for (M) and (O) Procedures, 21-1, 22-1, 23-1, 23-3, 25-2 thru 3, 27-1, 30-1, 31-1, 32-1, 33-1, 33-3 thru 4, 34-1 thru 4, 34-6, 34-8 thru 9, 35-1, 45-1, 52-1, 64-1, 67-1, 71-1.
6	05/24/2022	Cover page, Table of Contents and Control Page, Log of Revisions, Highlights of Change, Guidelines for (M) and (O) Procedures, 21-1, 22-1, 23-1 thru 6, 24-1, 25-1 thru 4, 26-1, 31-1 thru 2, 33-1 thru 6, 34-1 thru 4, 34-6 thru 11, 45-1, 71-1.

This Master Minimum Equipment List (MMEL) has been reformatted in compliance with the Federal Aviation Administration, Joint Aircraft System/Component (JASC) Code Table, and Definitions are available for download or viewing at:

Joint Aircraft System/Component (JASC) Code Table and Definitions.

This replaces the former Airline Transport Association (ATA) coding used in previous documents. JASC Coding is a four digit number format, and as the title suggests, it contains a System Code and a Component Code. The first two digits are the System Code, which is similar to ATA Coding for their first two numbers. The last two digits in the JASC Code are the Component Code, which defines the specific component. The item number is a sequential number given for additional Components with the same JASC Code.

Example: JASC Code 2410, where Code 24 represents the “Electrical Power” system, and Component Code 10 represents the “Alternator Generator Drive” system.

The following changes are the Highlights of Changes for **Revision 6**. It is the result of a public Flight Operations Evaluation Board (FOEB) meeting held on 12/14/2021.

PAGE NO.	JASC ITEM	EXPLANATION OF CHANGE
General	--	Minor editorial corrections and formatting changes were made throughout the document, indicated with change bars. These editorial corrections may be adopted in Minimum Equipment Lists (MEL) at the operator’s discretion.
--	NOTE ALL PAGES	FAA MMEL validated against AW119 MMEL, Revision A, approved by EASA on 12/15/2015.
Throughout	--	Removed various policy letter references in the sequence numbers.
21-1	2100-02	Added relief for Air Conditioning Mode.
23-1	2300-08	Added relief for Satellite Phone/Tracker III System (STC SR04231NY).
23-1	2300-09	Added relief for TDFM Mission Radio (STC SR04231NY).
23-1	2300-10	Added relief for External 600 Watt Loud Hailer System (STC SR04231NY).
23-2	2300-11	Added relief for Satellite Phone/Tracker III System (STC SR03280NY).
23-3 thru 4	2312-03	Added relief for GDR-16XX COM/NAV Radio, VHF Communication Systems function (STC SR02520AK) IAW PL-095.
23-4	2350-02	Added Repair Category and proviso.
23-5	2370-01	Revised proviso for CVR Installed for an Operator other than a Holder.

HIGHLIGHTS OF CHANGE

PAGE NO.	JASC ITEM	EXPLANATION OF CHANGE
23-5 thru 6	2370-02	Added relief for Cockpit Voice Recorder (CVR) with Flight Data Recorder (FDR) (STC ST09333NY-R) IAW PL-029. Added within 3 flight-days.
24-1	2422-01	Added words “One may” to proviso.
24-1	2435-01	Added relief for Auxiliary Generator (STC SR02520AK).
25-2	2520-07	Added relief for FLIR 380HDc Camera System (STC SR04231NY).
25-2	2520-08	Added relief for ARS-700C Mapping Computer System (STC SR04231NY).
25-2	2520-09	Added relief for Microwave Video Downlink System (STC SR04231NY).
26-1	2622-01	Updated per PL-132.
31-1	3130-01	Removed FDR recording parameters required by 14 CFR.
31-2	3130-02	Added relief for Flight Data Recorder (FDR) Installed for a Holder of an Air Carrier or Commercial Operator Certificate (STC ST09333NY-R) IAW PL-087.
33-2	3300-03	Added relief for NVG Operation For Aircraft Fitted With Genesys Aerosystems IDU-680P Display System (STC SR04441NY) IAW PL-127.
33-2	3300-04	Added relief for NVG Operation (STC SR04231NY) IAW PL-127.
33-3	3300-05	Added relief for NVG Configuration (STC SR03280NY) IAW PL-127.
33-5	3340-12	Revised proviso and added relief for the Precise Flight Pulse Unit (STC SR01651NY).
33-6	3340-13	Added relief for Spectrolab SX16 Searchlight (STC SR02239NY).
33-6	3340-14	Added relief for Trakka A800 Searchlight (STC SR04230NY).
34-1	3412-02	Added relief for Outside Air Temperature Probe (Genesys) (STC SR02520AK).
34-1	3420-02	Added relief for Air Data Computer (ADC) (STC SR02520AK).
34-2	3421-02	Added relief for Electronic Flight Display Standby Indicator EFD-750 (STC SR02520AK) IAW PL-111.
34-2	3431-01	Added relief for GDR-16XX COM/NAV Radio, VOR/LOC/GS function (STC SR02520AK) IAW PL-095.

HIGHLIGHTS OF CHANGE

PAGE NO.	JASC ITEM	EXPLANATION OF CHANGE
34-3	3434-02	Added relief for GDR-16XX COM/NAV Radio, Marker Beacon Receiver function (STC SR02520AK) IAW PL-095.
34-6	3446-01	Added relief for Garmin GDL69AH XM Satellite Weather (STC SR04231NY).
34-6	3446-02	Added relief for Garmin GDL69AH XM Satellite Weather (STC SR03280NY).
34-6	3451-01	Added “(M)” relief to Distance Measuring Equipment (DME) proviso.
34-6	3451-02	Added relief for TACAN+ System TCR-2634 (STC SR02520AK) IAW PL-003.
34-7 thru 8	3452-03	Changed repair category per PL-105. Revised JASC code from 3452-02.
34-9	3455-02	Added relief for ADF (Automatic Direction Finder) Receiver System RA-3502-2 (STC SR02520AK).
34-10	3457-03	Added relief for Integrated Display Units IDU-680 (EFIS System) (STC SR02520AK).
34-11	3457-04	Added relief for Mission Display (STC SR04231NY).
45-1	4500-04	Added relief for Family Health and Usage Monitoring System HUMS (STC ST09333NY-R).
71-1	7160-01	Added relief for subcomponents Bypass Assembly and Filter Maintenance Aid.

DEFINITIONS

The Definitions must be inserted here in each Minimum Equipment List (MEL) from the current FAA MMEL Policy Letter PL 25.

The 14 CFR Regulatory requirements applicable to specific MMEL chapters can be found in PL 25, Appendix A. Regulatory requirements must be incorporated into specific MEL relief by the MEL user in accordance with the kinds of operations being conducted by the user.

PREAMBLE

The applicable preamble must be inserted here in each Minimum Equipment List (MEL) from current FAA MMEL Policy Letter PL 34, MMEL AND MEL PREAMBLE, or FAA MMEL Policy Letter PL 36, 14 CFR Part 91 MEL APPROVAL.

Current Policy Letters may be found on the Flight Standards Dynamic Regulatory Systems (DRS) Web site located at https://drs.faa.gov/

The FOEB has identified a need for certain procedures to provide an adequate level of safety while providing relief for some items. These procedures must be established by the operator and may be based on the aircraft manufacturer's recommended procedures, Supplemental Type Certificate modifier's recommended procedures, or equivalent operator procedures. When recommended procedures are published, the operator should comply with these procedures. If recommended procedures are not published, the following guidelines delineate the aspects to be considered by the operator in the development of required procedures:

SEQUENCE NO.	PROCEDURE
2100-01 Environmental Control System	(M) Procedure for maintenance to ensure system is deactivated and secured.
2100-02 Cabin Air Conditioning System (STC SR00463DE) 1)	(M) Select the A/C and Blower Switch to the OFF position and PULL out the 60A circuit breaker on the overhead circuit breaker Panel. Remove the compressor belt. (M)(O) Remove the compressor belt and select the A/C and Blower Switch to only the BLOWER or OFF positions.
2140-01 Heater	(M) Procedure for maintenance to ensure system is deactivated and secured.
2300-08 Satellite Phone / Tracker III System (STC SR04231NY)	(M) PULL the SKY CONN circuit breaker on the overhead circuit breaker panel.
2300-09 TDFM Mission Radio (STC SR04231NY)	(O) Procedure for crew to ensure alternate are established and used.
2300-10 External 600 Watt Loud Hailer System (STC SR04231NY)	(M) PULL the EXT PA circuit breaker on the overhead circuit breaker panel.
2300-11 Satellite Phone / Tracker III System (STC SR03280NY)	(M) PULL the SKY CONN circuit breaker on the overhead circuit breaker panel.

SEQUENCE NO.	PROCEDURE
2310-01 High Frequency (HF) Communications System	(O) Procedure for crew to ensure when conducting operations that require two LRCS provided: SATVOICE services are available as an LRCS over the intended route of flight, the ICAO flight plan is updated (as required) to notify ATC of the communications equipment status of the aircraft, and alternate procedures are established and used.
2340-01 Passenger Address System (PA)	(O) Procedure for crew to ensure alternate are established and used.
2340-02 Cabin Speaker	(O) Procedure for crew to ensure alternate normal and emergency procedures and/or operating restrictions are established and utilized; appropriate oral briefing is given to passengers, and no passengers are carried.
2435-01 Auxiliary Generator (STC SR02520AK)	(M) PULL both AUX GEN circuit breakers on the overhead circuit breaker panel. Set the AUX GEN BUS TIE Switch and AUX GEN OFF/ON/RESET Switch to OFF. Remove the drive belt if it is damaged or broken.
2500-01 Nonessential Equipment Furnishings (NEF) Items	(M) and/or (O) Procedures, if required, must be available to the flightcrew and included in the operator's appropriate document.
2520-01 Passenger Seats b) Seat Belt/Air Bags Not Required by 14 CFR	(M) Procedure for maintenance to ensure system is disconnected and seat belt operates normally.
2520-02 Medical System (STC SR01525NY) (A119 Only)	(M) Procedure for maintenance to ensure system is deactivated and secured.
2520-03 EMS ITS Deck (STC SR02894CH)	(M) and/or (O) Procedures may be required.
2520-04 Stretcher (STC SR01865LA) (A119 Only)	(M) and/or (O) Procedures may be required.

GUIDELINES FOR (M) AND (O) PROCEDURES

SEQUENCE NO.	PROCEDURE
2520-05 Air Ambulance Conversion (STC SR02257CH) (A119 Only)	(M) and/or (O) Procedures may be required.
2520-06 SWE-400 FLIR Camera	(M) Check TCU in stowed position and PULL out the CAMERA breaker on the overhead circuit breaker panel, secure the system by locking the deactivated circuit breaker and collar and/or record accordingly.
2520-07 FLIR 380HDc Camera System (STC SR04231NY)	(M) Move the FLIR switch on the overhead panel to the OFF position. PULL the FLIR circuit breaker on the overhead circuit breaker panel.
2520-08 ARS-700C Mapping Computer System (STC SR04231NY)	(M) PULL the MAP COMP circuit breaker on the overhead circuit breaker panel.
2520-9 Microwave Video Downlink System (STC SR04231NY)	(M) PULL the VIDEO DNLINK circuit breaker on the overhead circuit breaker panel.
2550-01 Special/Mission Equipment	(M) Procedure for maintenance to ensure system is deactivated and secured.
2550-02 Cargo Hook System	(M) PULL out the CARGO HOOK breaker on the overhead circuit breaker panel, secure the system by locking the deactivated circuit breaker and collar and/or record accordingly. (O) Stow the Hook according to RFM procedure.
2550-03 Rescue Hoist System	(M) PULL out the HOIST CTL - CABLE CUT 1 - HOIST PWR - CABLE CUT 1 - HEC ICS breakers on the overhead circuit breaker panel, secure the system by locking the deactivated circuit breakers and collar and/or record accordingly. (O) Select the Rescue Hoist ON/OFF Control Switch to OFF.
2550-04 Safety Hook	(M) PULL out the SAFETY HOOK breaker on the overhead circuit breaker panel, secure the system by locking the deactivated circuit breaker and collar and/or record accordingly. (O) Remove the item and secure the baggage compartment.

GUIDELINES FOR (M) AND (O) PROCEDURES

SEQUENCE NO.	PROCEDURE
2562-01 Emergency Locator Transmitter (ELT) Fixed ELTs	(M) Procedure for maintenance to ensure system is deactivated, and repairs are made within 90 days. (M) Procedure for maintenance to ensure system is deactivated. (M) Procedure for maintenance to ensure remote ELT Switch is deactivated, and ELT switch is placed in the ARMED mode.
2822-03 Transfer Pump	(O) Procedure for crew to ensure flight is not predicated on its use, and quantity of fuel is verified prior to flight.
3320-01 Passenger Notice System (Passenger Lighted Information Sign)	(O) Procedure for crew to ensure alternate procedures are established and used to notify cabin occupants.
3340-08 LED Tail Rotor Floodlights (STC SH4676SW)	(M) and/or (O) procedures may be required.
3340-09 SX-5 Searchlight (STC SR01344NY)	(M) and/or (O) procedures may be required.
3340-10 Super Night Scanner Searchlight (STC SR01651NY)	(M) and/or (O) procedures may be required.
3340-12 Super Night Scanner Searchlight (STC SR01651NY) Precise Flight Pulse Unit	(M) Ensure the searchlight is in the stowed position and deactivated. PULL the CTR and PWR circuit breakers on the overhead circuit breaker panel. (M) Move the PULSE LT control switch to OFF on the overhead switch panel.

SEQUENCE NO.	PROCEDURE
3340-13 Spectrolab SX16 Searchlight (STC SR02239NY) SLAved Searchlight System (SLASS)	(M) Ensure the searchlight is in the stowed position and deactivated. PULL the SUN LT ON/OFF circuit breaker on the overhead circuit breaker panel. (M) Move the SLAVE switch to off and disconnect the SLASS Remote Control.
3340-14 Trakka A800 Searchlight (STC SR04230NY)	(M) Ensure the searchlight is in the stowed position and move the TRAKKA switch on the overhead panel to the OFF position. PULL the TRAKKA circuit breaker on the overhead circuit breaker panel.
3412-02 Outside Air Temperature Probe (Genesys) (STC SR02520AK)	(O) Set the ADU knob on the Reconfiguration Panel (RCP) to the ADU side that is not failed.
3420-02 Air Data Computer (ADC) (STC SR02520AK)	(O) Set the ADU knob on the Reconfiguration Panel (RCP) to the ADU side that is not failed. PULL the associated ADC circuit breaker on the overhead circuit breaker panel.
3421-02 (PL-111) Electronic Flight Display Standby Indicator EFD-750 (STC SR02520AK)	(M) PULL the STBY IND circuit breaker on the overhead circuit breaker panel.
3444-01 Radar (Radio) Altimeter System Other than Air Carrier	(O) Procedure for crew to ensure night operation is not performed with NVGs, night off airport landings or landings at un-improved areas not conducted, for VFR flight at night, the pilot must evaluate terrain and obstacles along the route and fly at such an altitude so as to ensure all terrain and obstacles along the route of flight are cleared vertically by no less than 500 ft., VFR Flight at night is not conducted without adequate visual surface light reference, RFM procedures are followed, and the crew is aware of potential degraded AP performance on ILS GS or LPV vertical guidance. (M) Procedure for maintenance to ensure affected system is deactivated. (O) Procedure for crew to ensure night operation is not performed with NVGs, crew is aware of potential degraded AP performance on ILS GS or LPV vertical, and RFM procedures are followed. (M) Procedure for maintenance to ensure affected system is deactivated.

SEQUENCE NO.	PROCEDURE
3445-01 (PL-32) Traffic Alert and Collision Avoidance System (TCAS I)	(M) Procedure for maintenance to ensure system is deactivated and secured. (O) Procedure for crew to ensure enroute or approach procedures do not require its use.
Traffic Alert and Collision Avoidance System (TCAS II)	(M) Procedure for maintenance to ensure system is deactivated and secured. (O) Procedure for crew to ensure enroute or approach procedures do not require its use.
2) Resolution Advisory (RA) Display System(s)	(M) Procedure for maintenance to ensure system is deactivated and secured. (O) Procedure for crew to ensure TA only mode is selected by the crew, and enroute or approach procedures do not require its use.
3) Traffic Alert Display System(s)	(O) Procedure for crew to ensure enroute or approach procedures do not require its use.
3446-01 Garmin GDL69AH XM Satellite Weather (STC SR04231NY)	(M) PULL the GDL WX circuit breaker on the overhead circuit breaker panel.
3446-02 Garmin GDL69AH XM Satellite Weather (STC SR03280NY)	(M) PULL the GDL WX circuit breaker on the overhead circuit breaker panel.
3451-01 Distance Measuring Equipment (DME)	(M) PULL the DME circuit breaker on the overhead circuit breaker panel.

SEQUENCE NO.	PROCEDURE
3452-03 (PL-105) Automatic Dependent Surveillance-Broadcast (ADS-B) System	(O) Procedure for crew to ensure alternate procedures are established and used.
ADS-B Out Extended Squitter Transmissions	(O) Procedure for crew to ensure alternate procedures are established and used, and authorization is obtained from ATC facilities having jurisdiction over planned route of flight.
ADS-B Out UAT Transmissions	(O) Procedure for crew to ensure enroute operations do not require its use, and authorization is obtained from ATC facilities having jurisdiction over planned route of flight.
ADS-B In Transmissions	(O) Procedure for crew to ensure alternate procedures are established and used.
3457-01 Garmin G1000H Primary Flight Display (PFD) (STC SR03280NY) (AW119 MKII Only)	(O) Procedure for crew to ensure flight is conducted during VFR, other than night conditions (VFR Over-the-top excluded, and the Multifunction Display (MFD) is in composite mode and functional.
3457-02 Garmin G1000H Multifunctional Display (MFD) (STC SR03280NY) (AW119 MKII Only)	(O) Procedure for crew to ensure flight is conducted during VFR, other than night conditions (VFR Over-the-top excluded), and the Primary Flight Display (PFD) is in composite mode and functional.
3457-03 Integrated Display Units IDU-680 (EFIS System) (STC SR02520AK)	(M) PULL the two circuit breakers on the overhead circuit breaker panel associated with the inoperative display unit(s).
Pilot PFD	(O) Procedure for crew to ensure flight is conducted during VFR, other than night conditions (VFR Over-the-top excluded, and the Multifunction Display (MFD) is in Essential mode and functional.
Pilot MFD	(O) Procedure for crew to ensure flight is conducted during VFR, other than night conditions (VFR Over-the-top excluded, and the Multifunction Display (PFD) is in Essential mode and functional.

GUIDELINES FOR (M) AND (O) PROCEDURES

SEQUENCE NO.	PROCEDURE
3457-04 Mission Display (STC SR04231NY)	(M) PULL the Mission Bus CKPT DSPLY circuit breaker on the overhead circuit breaker panel.
3461-01 Navigational Database (PL-98)	(O) Procedure for crew to ensure It is not used in a primary navigation system required by 14 CFR, alternate procedures are developed and used, and the ICAO flight plan is updated (as required) to notify ATC of the navigational equipment status of the aircraft.
3500-02 LOX System (STC SR01124NY-D) (A119 Only)	(M) Procedure for maintenance to ensure system is deactivated and secured.
3500-03 LOX System (STC SR02454LA) (AW119 MKII Only)	(M) Procedure for maintenance to ensure system is deactivated and secured.
3520-01 HAA (Helicopter Air Ambulance) Oxygen System	(M) Procedure for maintenance to ensure system is deactivated and secured.
4500-02 Flight Data Monitoring System (STC SR03055CH) (A119 MKII Only)	(M) and/or (O) procedures may be required.
4500-03 Engine Monitoring System (ADAS)	(M) Procedure for maintenance to ensure system is deactivated and secured.
5210-01 Cockpit/Cabin DC External PWR Door Alert System	(O) Procedure for crew to ensure the affected door is verified closed and latched before each flight.
5230-01 Baggage DC External PWR Door Alert System	(O) Procedure for crew to ensure the affected door is verified closed and latched before each flight.

SEQUENCE NO.	PROCEDURE
5270-01 External Power Door Caution Light	(O) Procedure for crew to ensure the affected door is verified closed and latched prior to flight.
5270-02 Door Caution System	(O) Procedure for crew to ensure the affected door is verified closed and latched prior to flight.
5270-03 Baggage Door Caution System	(O) Procedure for crew to ensure the affected door is verified closed and latched prior to flight.
6321-01 Rotor Brake System	(M) Procedure for maintenance to ensure rotor brake warning light is not illuminated, rotor brake assembly is in the released condition, and the system is deactivated and secured.
6400-01 Tail Rotor Pedal Lockout Kit (STC SR02258SE)	(M) Procedure for maintenance to ensure system is deactivated and secured.
6400-02 Pedal Extension Kit (STC SR02265NY)	(M) Procedure for maintenance to ensure system is deactivated and secured.
6400-03 Tail Rotor Pedal Lockout Kit (STC SR01844AT) (A119 Only)	(M) Procedure for maintenance to ensure system is deactivated and secured.
7100-01 Heli-Preheat System (STC SR03201CH)	(M) Procedure for maintenance to ensure system is deactivated and secured.
7160-01 Inlet Barrier Filter (IBF) System (STC SR02338CH) Bypass Assembly Filter Maintenance Aid	 (M) PULL the IBF circuit breaker on the overhead circuit breaker panel. (M) Perform function checks to ensure Cockpit Indicator Switch, differential pressure switch, and the Bypass Assembly are operative.

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

21. Air Conditioning

Sequence No.	Item	1	2	3	4	Change Bar
2100-01 ***	Environmental Control System	C	-	0	(M) May be inoperative provided: a) Heater air is not required for defrosting/defogging, and b) System is deactivated and secured.	
2100-02 ***	Cabin Air Conditioning System (STC SR00463DE)	C	-	0	(M) May be inoperative provided the system is deactivated and secured.	
1)	Air Conditioning Mode	C	-	0	(M)(O) May be inoperative provided: a) The compressor belt is removed, and b) The A/C and Blower Switch is kept in the OFF or BLOWER positions.	|
2140-01 ***	Heater	C	-	0	(M) May be inoperative provided: a) Heater air is not required for defrosting/defogging, and b) System is deactivated and secured.	

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TABLE KEY

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4. REMARKS OR EXCEPTIONS

22. Autoflight

Sequence No.	Item	1	2	3	4	Change Bar
2200-01	Non-Transport Category Aircraft	C	-	0	May be inoperative provided operations do not require its use.	|
2210-01	Vertical Gyro	B	2	1	One may be inoperative for VFR flight. NOTE: Flight shall be conducted according to RFM “Failure of One Helipilot Procedure”.	
2210-02	SAS	B	2	1	One may be inoperative for VFR flight. NOTE: Flight shall be conducted according to RFM “Failure of One Helipilot Procedure”.	
2210-03 ***	Attitude Hold	C	-	0	May be inoperative for VFR.	

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TABLE KEY

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4. REMARKS OR EXCEPTIONS

23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
2300-01 ***	Communications Systems (FM)	D	-	0	May be inoperative.	
2300-02	Crew Intercom System (ICS)	B	2	1	One may be inoperative for VFR.	
2300-03	Passenger Intercom System (Garmin 1000H only)	C	1	0	May be inoperative.	
2300-04 ***	Hoist Operator ICS	C	-	0	May be inoperative provided hoist operator is not required.	
2300-05	Headset/Helmet (Cockpit)	C	-	-	Any in excess to those required for each crewmember, may be inoperative or missing. NOTE: A spare headset/helmet shall be operative for single pilot operations.	
2300-06	Headset/Helmet (Cabin Crew)	C	-	0	May be inoperative if not required for the intended operation.	
2300-07	Passenger Headsets	D	-	0	(O) May be inoperative or missing provided an alternate procedure is established.	
2300-08 ***	Satellite Phone/ Tracker III System (STC SR04231NY)	D	-	0	May be inoperative if not required for the intended operation.	|
2300-09 ***	TDFM Mission Radio (STC SR04231NY)	D	1	0	(O) May be inoperative provided it is not required for the intended operation.	|
		D	1	0	(O) May be inoperative provided alternate procedures are established and used.	|
2300-10 ***	External 600 Watt Loud Hailer System (STC SR04231NY)	D	1	0	(M) May be inoperative provided the system is deactivated and secured.	|

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
2300-11 ***	Satellite Phone/ Tracker III System (STC SR03280NY)	D	-	0	May be inoperative if not required for the intended operation.	|
2310-01 ***	High Frequency Communications System (HF)	D	-	-	Any in excess of those required by 14 CFR may be inoperative.	|
		C	-	1	(O) May be inoperative while conducting operations that require two LRCS provided: a) Aircraft SATVOICE system operates normally, b) SATVOICE services are available as an LRCS over the intended route of flight, c) The ICAO flight plan is updated (as required) to notify ATC of the communications equipment status of the aircraft, and d) Alternate procedures are established and used.	
2311-01 ***	Communications Systems(UHF)	D	-	-	Any in excess of those required by 14 CFR may be inoperative provided it is not powered by the emergency AC bus, emergency DC bus, battery bus, battery direct bus, or the DC transfer bus and not required for emergency procedures.	|

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
2312-01 ***	Communication System (VHF)	D	-	-	Any in excess of those required by 14 CFR may be inoperative provided it is not powered by the emergency AC bus, emergency DC bus, battery bus, battery direct bus, or the DC transfer bus and not required for emergency procedures.	|
1)	VHF Communication Control Panels					
a)	Frequency Transfer Light	C	-	0		
b)	Frequency Transfer Switch	C	-	0		
c)	Frequency Selector Knob	C	-	2		
d)	Frequency Indication	C	-	2		
2312-02	VHF Radio	-	-	-	Any in excess of those required by 14 CFR may be inoperative excluding Garmin G1000H.	
2312-03	GDR-16XX COM/NAV Radio (STC SR02520AK)					|
1)	VHF Communication Systems	D	2	1	One may be inoperative for VFR operations provided: a) It is not powered by the Emergency AC Bus, Emergency DC Bus, Battery Bus, Battery Direct Bus, or the DC Transfer Bus, b) Not required for emergency procedures, c) Primary and Auxiliary Generators must both be operative.	|

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
2312-03	GDR-16XX COM/NAV Radio (STC SR02520AK) (Cont'd)	D	2	1	Any in excess of those required by 14 CFR may be inoperative provided: a) It is not powered by the emergency AC Bus, emergency DC Bus, Battery Bus, Battery Direct Bus, or the DC Transfer Bus, b) Not required for emergency procedures, c) Primary Generator is operative, and d) Auxiliary Generator is operative.	|
2340-01 ***	Passenger Address System (PA)	C	-	0	(O) May be inoperative provided alternate procedures are established and used.	|
		D	-	0	May be inoperative provided procedure do not require its use.	
2340-02 ***	Passenger Speaker Amplifier	C	-	0	(O) May be inoperative provided alternate normal/emergency procedures and/or operating restrictions are established and utilized.	
		D	-	0	May be inoperative for non-passenger carrying operations.	
2350-01 ***	Co-Pilot Audio Control Panel	D	1	0	May be inoperative provided single pilot operations conducted.	
2350-02 ***	Cabin Audio Control Panel	D	-	-	(O) May be inoperative provided alternate normal/emergency procedures and/or operating restrictions are established and utilized. May be inoperative for non-passenger carrying operations.	|

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
2370-01 ***	Cockpit Voice Recorder (CVR) with Flight Data Recorder (FDR) Installed	A	1	0	May be inoperative provided: a) Flight data recorder (FDR) operates normally, and b) Repairs are made within 3 flight-days.	|
***	Independent Power Source	C	1	0		
***	Cockpit Voice Recorder (CVR) without Flight Data Recorder (FDR) Installed	A	1	0	May be inoperative provided repairs are made within 3 flight-days.	
***	Independent Power Source	C	1	0		
***	Cockpit Voice Recorder (CVR) Installed for an Operator other than a Holder of an Air Carrier or Commercial Operator Certificate	A	1	0	May be inoperative provided repairs are made within 3 flight-days.	|
***	Independent Power Source	C	1	0		
2370-02 ***	Cockpit Voice Recorder (CVR) with Flight Data Recorder (FDR) (STC ST09333NY-R)	A	1	0	May be inoperative provided: a) Flight data recorder (FDR) operates normally, and b) Repairs are made within 3 flight-days.	|
***	Independent Power Source	C	1	0		|
***	Cockpit Voice Recorder (CVR) without Flight Data Recorder (FDR) Installed	A	1	0	May be inoperative provided repairs are made within 3 flight-days.	|
***	Independent Power Source	C	1	0		|

(Continued)

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
2370-02 ***	Cockpit Voice Recorder (CVR) with Flight Data Recorder (FDR) (STC ST09333NY-R) (Cont'd)					
***	Cockpit Voice Recorder (CVR) Installed for an Operator other than a Holder of an Air Carrier or Commercial Operator Certificate	A	1	0	May be inoperative provided repairs are made within 3 flight-days.	|
***	Independent Power Source	C	1	0		|

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

24. Electrical Power

Sequence No.	Item	1	2	3	4	Change Bar
2422-01	Inverters	C	2	1	One may be inoperative for VFR.	|
2435-01	Auxiliary Generator (STC SR02520AK)	B	1	0	(M) If there is no presence of seizure and/or mechanical damage that would further impact the aircraft, the auxiliary generator may be inoperative for day VFR operations provided the system is deactivated and secured.	|

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TABLE KEY
1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
2500-01	Nonessential Equipment Furnishings (NEF) Items	D	-	-	May be inoperative, damaged, or missing provided that the item(s) is deferred in accordance with the NEF deferral program. The NEF program, procedures, and processes are outlined in the operator's manual. (M) and/or (O) Procedures, if required, must be available to the flightcrew and included in the operator's appropriate document.	
2510-01	Crewmember Shoulder Harness	B	-	1	If harness becomes inoperative and is required by 14 CFR, seat must be blocked and placarded.	
2520-01	Passenger Seats	D	-	-		|
1)	Passenger Seats (Includes all Configurations and Locations)				May be inoperative provided: a) Seat does not restrict access to any emergency exit, egress route, or main aisle, and b) The affected seat(s) is/are blocked and placarded "DO NOT OCCUPY". NOTE 1: A seat with an inoperative seat belt or shoulder harness is considered inoperative. NOTE 2: Affected seats(s) may include the seat(s) behind and/or adjacent outboard seats.	
2)	Seat Belt/Air Bag Restraint Systems					
a)	Seat Belt/Air Bags Required by 14 CFR	D	-	-	May be inoperative provided affected seat is blocked and placarded "DO NOT OCCUPY".	
b)	Seat Belt/Air Bags Not Required by 14 CFR	D	-	-	(M) May be inoperative or disconnected provided seat belt operates normally.	

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TABLE KEY

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2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
2520-02 ***	Medical System (STC SR01525NY) (A119 Only)	C	-	0	May be inoperative, damaged, or missing. (M) and/or (O) procedures may be required.	
2520-03 ***	EMS ITS Deck (STC SR02894CH)	C	-	0	May be inoperative, damaged, or missing. (M) and/or (O) procedures may be required.	
2520-04 ***	Stretcher (STC SR01865LA) (A119 Only)	C	-	0	May be inoperative, damaged, or missing. (M) and/or (O) procedures may be required.	
2520-05 ***	Air Ambulance Conversion (STC SR02257CH) (A119 Only)	C	-	0	May be inoperative, damaged, or missing. (M) and/or (O) procedures may be required.	
2520-06 ***	SWE-400 FLIR Camera	D	1	0	(M) May be inoperative provided: a) Not required for the intended mission, and b) Turret Camera Unit is stowed and system is deactivated.	
2520-07 ***	FLIR 380HDc Camera System (STC SR04231NY)	D	1	0	(M) May be inoperative provided it is not required for the intended operation, and the system is deactivated and secured.	|
2520-08 ***	ARS-700C Mapping Computer System (STC SR04231NY)	D	1	0	(M) May be inoperative provided the system is deactivated and secured.	|
2520-09 ***	Microwave Video Downlink System (STC SR04231NY)	D	1	0	(M) May be inoperative provided the system is deactivated and secured.	|

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TABLE KEY

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2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
2550-01 ***	Special/Mission Equipment (Loud-Speaker)	C	-	0	(M) May be inoperative provided system is deactivated and secured.	
2550-02 ***	Cargo Hook System	C	-	0	(M)(O) May be inoperative provided: a) Not required for the intended mission and stowed, and b) Secured and deactivated.	
2550-03 ***	Rescue Hoist System	C	-	0	(M)(O) May be inoperative provided system is not required for the intended mission and is secured and deactivated.	
2550-04 ***	Safety Hook	C	1	0	(M)(O) May be inoperative provided: a) Not required for the intended operations, b) Item is deactivated and secured, and c) RFM limitations for Cargo Hook operations are followed.	
2560-02 ***	First Aid Kit (FAK) and/or Associated Equipment	D	-	-	Any in excess of those required by 14 CFR may be incomplete, missing, or inoperative.	|
	Emergency Medical Kit (EMK) and/or Associated Equipment	D	-	-	Any in excess to those required by 14 CFR may be incomplete, missing, or inoperative.	
2561-01 ***	Emergency Flotation Equipment	C	-	0	As required by 14 CFR.	

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TABLE KEY

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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
2562-01	Emergency Locator Transmitter (ELT)					|
***	Survival Type ELT	D	-	-	Any in excess of those required by 14 CFR may be inoperative or missing.	
***	Fixed ELTs	A	-	0	(M) May be inoperative provided: a) System is deactivated, and b) Repairs are made within 90 days.	
		A	-	0	May be missing provided: a) Repairs are made within 90 days, and b) Placard stating "ELT not installed" is placed in view of the pilot.	
		D	-	-	(M) Any in excess of those required by 14 CFR may be inoperative provided system is deactivated.	
		D	-	-	Any in excess of those required by 14 CFR may be missing.	
***	Remote ELT Switch	D	-	0	(M) May be inoperative provided: a) Remote ELT switch is deactivated, and b) ELT switch is placed in the ARMED mode.	
***	ELT Indicator Light	D	-	0		
***	ELT Aural Alarm	D	-	0		

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

26. Fire Protection

Sequence No.	Item	1	2	3	4	Change Bar
2622-01 ***	Portable Fire Extinguisher	D	-	-	Any in excess of those required by 14 CFR may be inoperative or missing provided: a) Inoperative fire extinguisher remains in a certified location until removed from the aircraft at the next suitable maintenance facility, b) Location placarding is removed or obscured, and c) Required distribution is maintained. NOTE: Inoperative fire extinguishers, removed from a certified location or removed from the aircraft, are subject to 49 CFR dangerous goods regulations.	|
***	Tamper Seals or Tags	C	-	-	(O) May be inoperative, damaged, or missing provided proper installation and servicing is verified at each preflight.	|

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

28. Fuel

Sequence No.	Item	1	2	3	4	Change Bar
2822-01	Airframe Fuel Boost Pump	B	2	1	One may be inoperative for VFR provided: a) Both fuel boost pump caution systems are operative, and b) RFM Limitations are complied with.	
2822-02	Fuel Boost Pump Caution System	C	2	1	One may be inoperative provided: a) Both fuel boost pumps are operative, and b) Fuel pressure indication is operative.	
2822-03	Transfer Pump	B	1	0	(O) May be inoperative provided: a) Flight is not predicated on its use, b) Quantity of fuel is verified prior to flight, and c) Verify operation of the low fuel caution system.	
2841-02 ***	Extended Range (ER) Fuel Tank Indicating System	C	-	0	May be inoperative provided: a) Flight is not predicated on its use, and b) Quantity (weight) of fuel in ER tank is verified prior to flight.	

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

30. Ice and Rain Protection

Sequence No.	Item	1	2	3	4	Change Bar
3030-01	Pitot Tube Heat System	C	-	0	May be inoperative for VFR other than night operations provided operations are not conducted in visible moisture, or in known or forecast rain conditions.	
3040-01 ***	Windshield Wiper System	C	1	0	May be inoperative.	

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

31. Instruments

Sequence No.	Item	1	2	3	4	Change Bar
3120-01	Clock	C	-	0	As required by 14 CFR.	
3120-02 ***	Elapsed Timer	C	-	0	May be inoperative for VFR provided clock (Item 3120-01) or an alternate time source is operative.	
3120-03 ***	Hour Meter	C	-	0	As required by 14 CFR.	
3130-01 ***	Flight Data Recorder (FDR) Installed for a Holder of an Air Carrier or Commercial Operator Certificate	C	-	-	Any in excess of those required by 14 CFR may be inoperative.	|
	Includes FDR function of Combined Voice and Flight Data Recorder (CVFDR)	A	-	0	May be inoperative provided: a) Cockpit Voice Recorder (CVR) operations normally, and b) Repairs are made within 3 flight-days.	|
	Flight Data Recorder (FDR) Installed for an Operator Other than a Holder of an Air Carrier or Commercial Operator Certificate	C	-	1	Any in excess of those required by 14 CFR may be inoperative.	|

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

31. Instruments

Sequence No.	Item	1	2	3	4	Change Bar
3130-02 ***	Flight Data Recorder (FDR) Installed for a Holder of an Air Carrier or Commercial Operator Certificate (STC ST09333NY-R)	C	-	-	Any in excess of those required by 14 CFR may be inoperative.	|
	Includes FDR function of Combined Voice and Flight Data Recorder (CVFDR)	A	-	0	May be inoperative provided: a) Cockpit Voice Recorder (CVR) operations normally, and b) Repairs are made within 3 flight-days.	|
	FDR Recording Parameters Required by 14 CFR	A	-	-	Up to three (3) recording parameters may be inoperative provided: a) Cockpit Voice Recorder (CVR) operates normally, and b) Repairs are made within 20 calendar-days.	|
	Flight Data Recorder (FDR) Installed for an Operator Other than a Holder of an Air Carrier or Commercial Operator Certificate	C	-	1	Any in excess of those required by 14 CFR may be inoperative.	|
	FDR Recording Parameters Required by 14 CFR	A	-	0	May be inoperative provided repairs are made within 3 flight-days.	|

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

32. Landing Gear

Sequence No.	Item	1	2	3	4	Change Bar
3212-01 ***	Helicopter Flotation Devices	C	-	0	As required by 14 CFR.	

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

33. Lights

Sequence No.	Item	1	2	3	4	Change Bar
3300-01 ***	NVG Compatible Lighting System	C	-	-	Unaided operation (without NVGs) may be permitted with inoperative NVG supplemental lights; cracked or missing filters; provided the remaining lights are: a) Sufficient to clearly illuminate all required instruments, controls, and other devices for which they are provided, b) Positioned so that direct rays are shielded from flightcrew members' eyes, and c) Lighting configuration and intensity is acceptable to the flightcrew.	|
3300-02 ***	Night Vision Goggle Compatible Lighting System (STC SR01476SE)	C	-	-	Unaided operation (without NVGs) may be permitted with inoperative NVG supplemental lights; cracked or missing filters; provided the remaining lights are: a) Sufficient to clearly illuminate all required instruments, controls, and other devices for which they are provided, b) Positioned so that direct rays are shielded from flightcrew members' eyes, and c) Lighting configuration and intensity is acceptable to the flightcrew.	

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

33. Lights

Sequence No.	Item	1	2	3	4	Change Bar
3300-03 ***	NVG Operation For Aircraft Fitted With Genesys Aerosystems IDU-680P Display System (STC SR04441NY)	C	-	-	Unaided operation (without NVGs) may be permitted with inoperative NVG supplemental lights; cracked or missing filters; provided the remaining lights are: a) Sufficient to clearly illuminate all required instruments, controls, and other devices for which they are provided, b) Positioned so that direct rays are shielded from flightcrew members' eyes, and c) Lighting configuration and intensity is acceptable to the flightcrew, and d) The NVG placard is flipped to say "NVG Operation Not Permitted".	|
3300-04 ***	NVG Operation (STC SR04231NY)	C	-	-	Unaided operation (without NVGs) may be permitted with inoperative NVG supplemental lights; cracked or missing filters; provided the remaining lights are: a) Sufficient to clearly illuminate all required instruments, controls, and other devices for which they are provided, b) Positioned so that direct rays are shielded from flightcrew members' eyes, and c) Lighting configuration and intensity is acceptable to the flightcrew, and d) The NVG placard is flipped to say "NVG Operation Not Permitted".	|

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

33. Lights

Sequence No.	Item	1	2	3	4	Change Bar
3300-05 ***	NVG Configuration (STC SR03280NY)	C	-	-	Unaided operation (without NVGs) may be permitted with inoperative NVG supplemental lights; cracked or missing filters; provided the remaining lights are: a) Sufficient to clearly illuminate all required instruments, controls, and other devices for which they are provided, b) Positioned so that direct rays are shielded from flightcrew members' eyes, and c) Lighting configuration and intensity is acceptable to the flightcrew.	|
3310-01	Cockpit/Flight Deck/ Flight Compartment and Instrument Lighting System	C	-	-	Individual lights may be inoperative provided: a) Remaining lighting system lights are sufficient to clearly illuminate all required instruments, controls, and other devices for which they are provided, b) Remaining lighting system lights are positioned so that direct rays are shielded from flightcrew members' eyes, and c) Lighting configuration and intensity is acceptable to the flightcrew. NOTE 1: Individual button/switch lights and/or annunciations/ indications are excluded from this relief. NOTE 2: Unaided operation (without NVGs) may be permitted with inoperative NVG supplemental lights; cracked or missing filters.	|

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

33. Lights

Sequence No.	Item	1	2	3	4	Change Bar
3310-02	Overhead Map Lights	C	2	1	One may be inoperative.	
		C	2	0	May be inoperative provided operations are not conducted at night.	
3320-01	Passenger Notice System (Passenger Lighted Information Sign)	C	-	-	(O) May be inoperative provided alternate procedures are established and used to notify cabin occupants.	|
3320-02 ***	Cabin Lighting System	C	-	0	(O) Individual lights may be inoperative provided lighting configuration is acceptable to the cabin crew.	
		D	1	0	May be inoperative provided passengers are not carried when operating at night.	
3340-01	Position Light System	C	1	-	Any in excess to those required by 14 CFR may be inoperative.	
3340-02	Anticollision Light System	C	1	-	Any in excess to those required by 14 CFR may be inoperative.	
3340-03	Landing Lights	C	-	-	Any in excess to those required by 14 CFR may be inoperative.	
3340-04	Taxi Lights	C	-	0	May be inoperative provided not required for use.	
3340-05 ***	Strobe Light System	C	-	0	May be inoperative provided not required for use.	
3340-06 ***	External Utility Light(s)	C	-	0	May be inoperative.	
3340-07 ***	Supplemental Lighting System	C	-	0	May be inoperative.	

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

33. Lights

Sequence No.	Item	1	2	3	4	Change Bar
3340-08 ***	Searchlight (if installed)	C	1	0	(O)(M) May be inoperative provided: a) Not required for the intended operation, b) Is stowed, and c) Is deactivated.	
3340-09 ***	Searchlight (Retractable)	C	-	0	May be inoperative for night operations if the landing lights (Item 3340-03) are operational.	
3340-10 ***	LED Tail Rotor Floodlights (STC SH4676SW)	C	-	0	May be inoperative if not required by 14 CFR. (M) and/or (O) procedures may be required.	
3340-11 ***	SX-5 Searchlight (STC SR01344NY)	C	-	0	May be inoperative if not required by 14 CFR. (M) and/or (O) procedures may be required.	
3340-12 ***	Super Night Scanner Searchlight (STC SR01651NY)	C	-	0	May be inoperative if not required by 14 CFR. (M) and/or (O) procedures may be required.	
1) ***	Precise Flight Pulse Unit	D	-	0	May be inoperative if not required for the intended operation.	|

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

33. Lights

Sequence No.	Item	1	2	3	4	Change Bar
3340-13 ***	Spectrolab SX16 Searchlight (STC SR02239NY)	D	-	0	May be inoperative if not required by 14 CFR and the system is deactivated and secured. (M) and/or (O) procedures may be required.	|
1)	Hand Controller (Pendant)	D	1	0	May be inoperative provided the collective controls are operational.	|
2) ***	SLAved Searchlight System (SLASS)	D	-	0	(M) May be inoperative if not required for the intended operation, and the SLASS Remote Control is disconnected.	|
3340-14 ***	Trakka A800 Searchlight (STC SR04230NY)	D	-	0	May be inoperative if not required by 14 CFR and the system is deactivated and secured. (M) and/or (O) procedures may be required.	|
3350-01 ***	Flashlight(s)	C	-	-	Any in excess to those required by 14 CFR may be inoperative or missing.	

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
3411-01	Altimeter	B	-	1	Co-pilot's may be inoperative for single pilot VFR.	
3412-01	OAT/Free Air Temperature	B	1	0	May be inoperative provided: a) Not required by 14 CFR, and b) Another air temperature indication is available that is convertible to OAT.	
3412-02	Outside Air Temperature Probe (Genesys) (STC SR02520AK)	B	2	1	(O) May be inoperative for VFR operations provided: a) Not required by 14 CFR, and b) The ADC associated with the operative probe is used during flight, and c) The Electronic Flight Display Standby Indicator EFD-750 and M803 Clock are operative.	|
3413-01	Instantaneous Vertical Speed Indicator (IVSI) or Vertical Speed Indicator (VSI)	B	-	-	Co-pilot's may be inoperative for single pilot operations.	
3414-01	Airspeed Indicator	B	-	1	Co-pilot's may be inoperative for single pilot VFR.	
3420-01	Attitude Direction Indicator (ADI) or Electronic Attitude Direction Indicator (EADI)	B	2	1	Co-pilot's may be inoperative for single pilot VFR.	
3420-02	Air Data Computer (ADC) (STC SR02520AK)	B	2	1	(O) One may be inoperative for VFR operations provided: a) The operating ADC is selected using the Reconfiguration Panel, and b) The Electronic Flight Display Standby Indicator EFD-750 is operative.	|
3421-01 ***	Standby Attitude Indicator	C	1	0	As required by 14 CFR.	

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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
3421-02	Electronic Flight Display Standby Indicator EFD-750 (STC SR02520AK)	C	1	0	(M) May be inoperative for VFR operations provided: a) Not required by FAR. b) All other systems that display attitude, altitude, airspeed, and heading are operative.	|
		B	1	0	(M) May be inoperative for VFR operations provided: a) Operations are conducted in Day VMC only, and b) Operations are not conducted into known or forecast over-the-top conditions. c) All other systems that display attitude, altitude, airspeed, and heading are operative.	|
3422-01	Horizontal Situation Indicator (HSI) or Electronic Horizontal Situation Indicator (EHSI)	B	2	1	Co-pilot's may be inoperative for single pilot VFR.	
3423-01	Magnetic Direction Indicator	C	2	0	As required by 14 CFR.	
3424-02	Slip-Skid Indicator	C	2	0	As required by 14 CFR.	
3425-01 ***	Flight Director	C	-	0	May be inoperative provided operations do not require its use.	
3431-01	GDR-16XX COM/NAV Radio (STC SR02520AK)					|
1)	VOR/LOC/GS	C	2	0	As required by 14 CFR.	|
3432-01 ***	Navigation Systems (ILS)	C	-	0	As required by 14 CFR.	
3434-01 ***	Marker Beacon	D	-	0	May be inoperative if approach not predicated on its use.	

AIRCRAFT:
A119, AW119 MKII

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
3434-02	GDR-16XX COM/NAV Radio (STC SR02520AK)					|
1)	Marker Beacon Receiver	D	1	0	May be inoperative for VFR operations.	|
3442-01 ***	Weather Radar System	C	-	0	As required by 14 CFR.	
3444-01	Radar (Radio) Altimeter System 14 CFR Part 135 Operations	C	-	0	(O)(M) May be inoperative for VFR provided: a) Affected system is deactivated, b) Night operation is not performed with NVGs, c) Night off airport landings or landings at un-improved areas not conducted, d) For VFR flight at night, the pilot must evaluate terrain and obstacles along the route and fly at such an altitude so as to ensure all terrain and obstacles along the route of flight are cleared vertically by no less than 500 ft., e) VFR Flight at night is not conducted without adequate visual surface light reference, f) Crew is aware of potential degraded Autopilot performance on ILS, glideslope, or LPV, and g) Category A operations which require the use of the radar (radio) altimeter are not performed.	|

(Continued)

AIRCRAFT:
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TABLE KEY
1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
3444-01	Radar (Radio) Altimeter System (Cont'd)					|
	Other than 14 CFR Part 135 Operations	D	-	0	(O)(M) May be inoperative provided: a) Affected system is deactivated, b) Night operation is not performed with NVGs, c) Crew is aware of potential degraded AP performance on ILS GS or LPV vertical, d) RFM procedures are followed, and e) Operations do not require its use.	
3444-03 ***	Helicopter Terrain Awareness and Warning System (HTAWS)	C	-	0	As required by 14 CFR.	
***	Other than Helicopter Air Ambulance (HAA) Operations	D	-	0	May be inoperative provided operations do not require its use.	
3445-01 ***	Traffic Alert and Collision Avoidance System (TCAS I)	B	-	0	(M)(O) May be inoperative provided: a) System is deactivated and secured, and b) Enroute or approach procedures do not require its use.	|
		C	-	0	(M)(O) May be inoperative provided: a) Not required by 14 CFR, b) System is deactivated and secured, and c) Enroute or approach procedures do not require its use.	

(Continued)

AIRCRAFT:
A119, AW119 MKII

TABLE KEY
1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
3445-01 ***	Traffic Alert and Collision Avoidance System (TCAS I) (Cont'd)					
	Traffic Alert and Collision Avoidance System (TCAS II)	B	-	0	(M)(O) May be inoperative provided: a) System is deactivated and secured, and b) Enroute or approach procedures do not require its use.	
		C	-	0	(M)(O) May be inoperative provided: a) Not required by 14 CFR, b) System is deactivated and secured, and c) Enroute or approach procedures do not require its use.	
1)	Combined Traffic Alert (TA) and Resolution Advisory (RA) Dual Display System(s)	C	2	1	May be inoperative on the non-flying pilot side provided: a) TA and RA visual display is operative on flying pilot side, and b) TA and RA audio function is operative on flying pilot side.	
2)	Resolution Advisory (RA) Display System(s)	C	2	1	May be inoperative on the non-flying pilot side.	
		C	-	0	(O) May be inoperative provided: a) Traffic Alert (TA) visual display and audio functions are operative, b) TA only mode is selected by the crew, and c) Enroute or approach procedures do not require its use.	

(Continued)

AIRCRAFT:
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TABLE KEY
1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
3445-01 ***	Traffic Alert and Collision Avoidance System (TCAS II) (Cont'd)					
3)	Traffic Alert Display System(s)	C	-	0	(O) May be inoperative provided: a) RA visual display and audio functions are operative, and b) Enroute or approach procedures do not require its use.	
4)	Audio Functions	B	1	0	May be inoperative provided enroute or approach procedures do not require use of TCAS.	
5)	Airspace Selection Function	C	-	0		
3446-01 ***	Garmin GDL69AH XM Satellite Weather (STC SR04231NY)	D	1	0	(M) May be inoperative.	|
3446-02 ***	Garmin GDL69AH XM Satellite Weather (STC SR03280NY)	D	1	0	(M) May be inoperative.	|
3451-01 ***	Distance Measuring Equipment (DME)	D	-	-	(M) Any in excess of those required by 14 CFR may be inoperative.	|
3451-02 ***	TACAN+ System TCR-2634 (STC SR02520AK)	D	1	0	Any in excess of those required by FAR may be inoperative.	|
3452-01	ATC Transponders and Automatic Altitude Reporting Systems	B	-	0	May be inoperative provided: a) Operations do not require its use, and b) Prior to flight, approval is obtained from ATC facilities having jurisdiction over the planned route of flight. (Continued)	|

AIRCRAFT:
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TABLE KEY
1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
3452-01	ATC Transponders and Automatic Altitude Reporting Systems (Cont'd)					
		D	-	1	Any in excess of those required by 14 CFR may be inoperative.	
***	Elementary and Enhanced Downlink Aircraft Reportable Parameters Not Required by 14 CFR	A	-	0	May be inoperative, provided: a) Operations do not require its use, and b) Repairs are made prior to completion of next maintenance visit.	
3452-02	Transponder	-	-	-	Any in excess of those required by 14 CFR may be inoperative excluding Garmin G1000H	
3452-03 ***	Automatic Dependent Surveillance-Broadcast (ADS-B) System	B	-	0	(O) May be inoperative provided: a) Alternate procedures are established and used, and b) It is not required by 14 CFR. NOTE: Any ADS B function that operates normally may be used.	|
		D	-	0	May be inoperative provided: a) Enroute operations do not require its use, and b) It is not required by 14 CFR. NOTE: Any ADS B function that operates normally may be used.	
		C	-	1	One must be operative as required by 14 CFR. NOTE: Any ADS B function that operates normally may be used.	

(Continued)

AIRCRAFT:
A119, AW119 MKII

TABLE KEY
1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
3452-03 ***	Automatic Dependent Surveillance-Broadcast (ADS-B) System (Cont'd)					
	ADS-B Out Extended Squitter Transmissions	B	-	0	(O) May be inoperative provided: a) Alternate procedures are established and used, b) Authorization is obtained from ATC facilities having jurisdiction over planned route of flight, and c) It is not required by 14 CFR. NOTE: Any ADS B function that operates normally may be used.	|
		C	-	1	One must be operative as required by 14 CFR. NOTE: Any ADS B function that operates normally may be used.	
***	ADS-B Out UAT Transmissions	B	-	0	(O) May be inoperative provided: a) Enroute operations do not require its use, b) Authorization is obtained from ATC facilities having jurisdiction over planned route of flight, and c) It is not required by 14 CFR. NOTE: Any ADS B Out function that operates normally may be used.	|
		C	-	1	One must be operative as required by 14 CFR. NOTE: Any ADS B function that operates normally may be used. (Continued)	

AIRCRAFT:
A119, AW119 MKII

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
3452-03 ***	Automatic Dependent Surveillance-Broadcast (ADS-B) System (Cont'd)					
	ADS-B In Transmissions	C	-	0	(O) May be inoperative provided alternate procedures are established and used. NOTE: Any ADS B function that operates normally may be used.	
		D	-	0	May be inoperative provided operations do not require its use. NOTE: Any ADS B function that operates normally may be used.	
3454-01	VOR System	C	-	0	As required by 14 CFR.	
3455-01	ADF System	C	-	0	As required by 14 CFR.	
3455-02	ADF (Automatic Direction Finder) Receiver System RA-3502-2 (STC SR02520AK)	C	1	0	As required by 14 CFR.	| | | | |
3456-01 ***	Global Positioning System (GPS)	C	-	0	As required by 14 CFR.	
3457-01 ***	Garmin G1000H Primary Flight Display (PFD) (STC SR03280NY) (AW119 MKII Only)	C	-	0	(O) May be inoperative provided: a) Flight is conducted during VFR, other than night conditions (VFR Over-the-top excluded, and b) Multifunction Display (MFD) is in composite mode and functional.	

AIRCRAFT:
A119, AW119 MKII

TABLE KEY
1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
3457-02 ***	Garmin G1000H Multifunctional Display (MFD) (STC SR03280NY) (AW119 MKII Only)	C	-	0	(O) May be inoperative provided: a) Flight is conducted during VFR, other than night conditions (VFR Over-the-top excluded), and b) Primary Flight Display (PFD) is in composite mode and functional.	
3457-03	Integrated Display Units IDU-680 (EFIS System) (STC SR02520AK)					|
1)	Pilot PFD	C	1	1	(M)(O) May be inoperative provided: a) Flight is conducted during VFR, other than night conditions (VFR Over-the-top excluded, and b) Pilot Multifunction Display (MFD) is in Essential mode and functional, and c) The Electronic Flight Display Standby Indicator EFD-750 is operative.	|
2)	Pilot MFD	C	1	0	(M)(O) May be inoperative provided: a) Flight is conducted during VFR, other than night conditions (VFR Over-the-top excluded, and b) Pilot Primary Flight Display (PFD) is in Essential mode and functional. c) The Electronic Flight Display Standby Indicator EFD-750 is operative.	|
3)	Copilot PFD	C	1	0	(M) May be inoperative provided the Copilot MFD is in Essential mode and functional.	|
4)	Copilot MFD	C	1	0	(M) May be inoperative provided the Copilot PFD is in Essential mode and functional.	|

AIRCRAFT:
A119, AW119 MKII

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
3457-04 ***	Mission Display (STC SR04231NY)					| |
1)	12.1 Inch Co-Pilot Mission Display	D	1	0	(M) May be inoperative if not required for the intended operation.	| |
2)	Cabin Console with Display	D	1	0	(M) May be inoperative if not required for the intended operation.	| |
3461-01 ***	Navigational Database	A	-	0	(O) May be inoperative provided: a) Operations do not require its use, b) It is not used in a primary navigation system required by 14 CFR, c) Alternate procedures are developed and used, d) The ICAO flight plan is updated (as required) to notify ATC of the navigational equipment status of the aircraft, and e) It is repaired within 10 flight-days. NOTE: An out-of-currency or out of date navigation database is not authorized MMEL relief per 14 CFR.	|
3461-02 ***	MSP Aero LLP Flight Data Monitoring System (STC SR03055CH) (A119 MKII Only)				MOVED to 4500-02, Revision 5.	

AIRCRAFT:
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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

35. Oxygen

Sequence No.	Item	1	2	3	4	Change Bar
3500-01 ***	Oxygen System and Masks (Crew and Passengers)	C	-	-	Any in excess to those required by 14 CFR may be inoperative or missing.	
3500-02 ***	LOX System (STC SR01124NY-D) (A119 Only)	C	-	0	(M) May be inoperative provided system is deactivated and secured.	
3500-03 ***	LOX System (STC SR02454LA) (AW119 MKII Only)	C	-	0	(M) May be inoperative provided system is deactivated and secured.	
3520-01	HAA (Helicopter Air Ambulance) Oxygen System	C	-	0	(M) May be inoperative if not required for the intended mission and provided system is deactivated and secured.	

AIRCRAFT:
A119, AW119 MKII

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

45. Central Maintenance System

Sequence No.	Item	1	2	3	4	Change Bar
4500-01 ***	Flight Data Monitoring System (FDMS)	C	-	0	As required by 14 CFR.	
***	Other than Helicopter Air Ambulance (HAA) Operations	D	-	0	May be inoperative provided operations do not require its use.	
4500-02 ***	Flight Data Monitoring System (STC SR03055CH) (A119 MKII Only)	C	-	0	May be inoperative provided not required by 14 CFR. (M) and/or (O) procedures may be required.	
4500-03 ***	Engine Monitoring System (ADAS)	D	1	0	(M) May be inoperative provided system is deactivated and secured.	
4500-04 ***	Family Health and Usage Monitoring System HUMS (STC ST09333NY-R)	C	-	0	May be inoperative provided the system is deactivated and secured.	|

AIRCRAFT:
A119, AW119 MKII

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

52. Doors

Sequence No.	Item	1	2	3	4	Change Bar
5210-01	Cockpit/Cabin DC External PWR Door Alert System	C	-	0	(O) May be inoperative provide that the affected door is verified closed and latched before each flight.	
5230-01	Baggage DC External PWR Door Alert System	C	-	0	(O) May be inoperative provide that the affected door is verified closed and latched before each flight.	
5270-01	External Power Door Caution Light	C	1	0	(O) May be inoperative provided a visual check verifies that the door is closed and latched prior to flight.	
5270-02	Door Caution System	C	-	0	(O) May be inoperative provided a visual check verifies that the door is closed and latched prior to flight.	
5270-03	Baggage Door Caution System	C	-	0	(O) May be inoperative provided a visual check verifies that the door is closed and latched prior to flight.	

AIRCRAFT:
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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

63. Main Rotor Drive

Sequence No.	Item	1	2	3	4	Change Bar
6321-01 ***	Rotor Brake System	C	-	0	(M) May be inoperative provided: a) Rotor brake warning light is not illuminated, b) The rotor brake caution light is not illuminated, c) Maintenance inspection determines rotor brake assembly is in the released condition, and d) System is deactivated and secured.	

AIRCRAFT:
A119, AW119 MKII

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

64. Tail Rotor

Sequence No.	Item	1	2	3	4	Change Bar
6400-01 ***	Tail Rotor Pedal Lockout Kit (STC SR02258SE)	C	-	0	(M) May be inoperative provided system is deactivated and secured.	
6400-02 ***	Pedal Extension Kit (STC SR02265NY)	C	-	0	(M) May be inoperative provided system is deactivated and secured.	
6400-03 ***	Tail Rotor Pedal Lockout Kit (STC SR01844AT) (A119 Only)	C	-	0	(M) May be inoperative provided system is deactivated and secured.	

AIRCRAFT:
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TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

67. Rotor Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
6700-01	Force Trim System	C	1	0	May be inoperative for VFR. NOTE: With copilot's cyclic removed, jumper is required for force trim operation on pilot's cyclic.	

AIRCRAFT:
A119, AW119 MKII

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

71. Powerplant

Sequence No.	Item	1	2	3	4	Change Bar
7100-01 ***	Heli-Preheat System (STC SR03201CH)	C	-	0	(M) May be inoperative provided system is deactivated and secured.	
7160-01 ***	Inlet Barrier Filter (IBF) System (STC SR02338CH)					|
1)	Bypass Assembly	B	1	0	(M)(O) May be inoperative in the failed open position provided: a) The system deactivated and secured, and b) The PAC as per the IBF RFM Supplement is considered.	|
2)	Filter Maintenance Aid	D	1	0	(M) May be inoperative if the Cockpit Indicator Switch, differential pressure switch, and the Bypass Assembly are operative.	|