# U.S. Department of Transportation Federal Aviation Administration

Washington, DC

# **Master Minimum Equipment List (MMEL)**

Revision: 5 Date: 02/10/2017

## AIRBUS HELICOPTERS AS332C, AS332C1, AS332L1, AS332L2

Note: Commercial designation also known as AS332L1e and AS332C1e (TCDS H4EU)

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#### MASTER MINIMUM EQUIPMENT LIST

#### FEDERAL AVIATION ADMINISTRATION

AIRCRAFT: AS332C, AS332C1, AS332L, AS332L1, AS332L2 REVISION NO. 5 DATE: 02/10/2017 PAGE NO.

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34         Navigation         34-1 thru 11         5         02/10/2017           35         Oxygen         35-1         5         02/10/2017           45         Central Maintenance System         45-1         5         02/10/2017           52         Doors         52-1         5         02/10/2017           63         Main Rotor Drive         63-1         5         02/10/2017           73         Engine Fuel and Control         73-1         5         02/10/2017           75         Air         75-1         5         02/10/2017           77         Engine Indicating         77-1         5         02/10/2017	32	Landing Gear	32-1 thru 2		02/10/2017
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Highlights of Change, Definitions and Preamble

Highlights of Change, Definitions and Preamble

Conversion to Joint Aircraft System/Component (JASC) Coding, Incorporation of Additional -Global Change (GC) Policy Letters.

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AIRCRAFT: REVISION NO. 5 PAGE NO. AS332C1, AS332L1, AS332L2 PAGE NO. III				
HIGHLIGHTS OF CHANGE				

The following changes are the Highlights of Changes for **Revision 5**. This Master Minimum Equipment List (MMEL) is formatted 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.

PAGE NO.	JASC ITEM	EXPLANATION OF CHANGE
-	-	Updated Cover Page to reflect Revision 5.
I	-	Updated Table of Contents & Control Page to reflect Revision 5.
II	-	Updated Log of Revisions to reflect Revision 5.
III-VIII	-	Updated Highlights of Change to reflect Revision 5.
IX	-	Updated Definitions to reflect Revision 5.
X	-	Updated Guidelines for (M) & (O) Procedures to reflect Revision 5.
21-1	2100-01	Added proviso for Air Conditioning System.
21-1	2121-01	Modified Cockpit Ventilation Fan Blower description to include Main Fan and added additional proviso.
21-1	2140-01	Modified Heater description to include Bleed Air/ P2 Heat and modified proviso.
21-1	2140-02	Added relief for Heating/Ventilating Distributor Valve.
22-1	2210-01	Added Auto Pilot relief IAW PL-101.
22-1	2210-02	Added relief for Auto Pilot Modules (APM).
22-1	2211-01	Added relief for Cross Talk between APM Computers.
22-1	2213-01	Added relief for Flight Control Panel.
22-1	2213-02	Added relief for Cyclic Trim Beep Controls.
22-2	2213-03	Added relief for Collective Trim Beep Controls.
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**NOTE:** This MMEL also incorporates relief for Part 91 operations.

MASTER MINIMUM EQUIPMENT LIST

#### FEDERAL AVIATION ADMINISTRATION

AIRCRAFT: AS332C, AS332C1, AS332L, AS332L1, AS332L2 REVISION NO. 5 DATE: 02/10/2017 PAGE NO.

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	HIGHLIGHTS OF CHANGE				
PAGE NO.	JASC ITEM	EXPLANATION OF CHANGE			
22-2	2214-01	Added relief for Auto Trim System.			
22-2	2215-01	Modified description of Collective Link to add the word "Annunciator".			
22-2	2216-01	Added relief for Cyclic Trim and Auto Trim Actuator.			
22-2	2216-02	Added relief for Yaw Trim and Auto Trim Actuator.			
22-2	2216-03	Added relief for Collective Trim Actuator.			
22-2	2216-04	Added relief for Cyclic Trim Beep Controls.			
22-3	2216-05	Added relief for Collective Trim Beep Controls.			
22-3	2216-06	Added relief for Cyclic Stick Trim Feel Release Controls.			
22-4	2216-07	Added relief for Collective Lever Trim Feel Release Controls.			
22-4	2216-08	Added provisos and additional relief to Stick Trim.			
22-4	2216-09	Added relief for Cyclic SEMA.			
22-4	2216-10	Added relief for Yaw SEMA.			
23-1	2300-01	Added additional relief for Cockpit Intercom System.			
23-1	2300-02	Revised proviso.			
23-1	2310-01	Revised HF IAW PL-106.			
23-1	2311-01	Combined UHF and VHF and revised IAW PL-95.			
23-2	2340-01	Added relief for Cabin Public Address System.			
23-3	2340-02	Added relief for Flight Attendant Interphone System.			
23-3	2340-03	DELETED.			
23-3	2350-01	Added relief for Headset.			
23-3	2370-01	Added relief for CVR with FDR IAW PL-29.			
23-3	2370-02	Added relief for CVR without FDR IAW PL-29.			
23-4	2370-03	Added relief for CVR for other than holder of Air Carrier IAW PI-29.			
23-4	2370-04	Added relief for Flight Deck Door Surveillance System.			

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PAGE NO. JASC ITEM EXPLANATION OF CHANGE  24-1 2420-01 Revised proviso for Alternator.  24-1 2425-01 Modified Alternator Caution Lights description.  24-1 2430-01 Modified Transformer Rectifier (TRU) description.  24-1 2430-02 Revised proviso for Transformer Rectifier Connect Disconnect Lights and Capture Proviso.  24-2 2437-01 Removed the word "Day" from proviso.  24-2 2437-02 Removed "or" from remarks.  24-2 2450-01 Added relief for AC Volt/Amp Dual Indicator.  25-1 2510-02 Added relief for Crew Member Shoulder Harness.  25-1 2520-01 Added relief for Cabin Crew Seats.  25-1 2520-02 Revised item description to include Passenger Seat Belt.  25-2 2520-03 Revised item relief for Passenger Seat.	ts.
24-1 2420-01 Revised proviso for Alternator.  24-1 2425-01 Modified Alternator Caution Lights description.  24-1 2430-01 Modified Transformer Rectifier (TRU) description.  24-1 2430-02 Revised proviso for Transformer Rectifier Connect Disconnect Light   24-2 2437-01 Removed the word "Day" from proviso.  24-2 2437-02 Removed "or" from remarks.  24-2 2450-01 Added relief for AC Volt/Amp Dual Indicator.  25-1 2510-02 Added relief for Crew Member Shoulder Harness.  25-1 2520-01 Added relief for Cabin Crew Seats.  25-1 2520-02 Revised item description to include Passenger Seat Belt.	ts.
24-1 2430-01 Modified Transformer Rectifier (TRU) description.  24-1 2430-02 Revised proviso for Transformer Rectifier Connect Disconnect Light  24-2 2437-01 Removed the word "Day" from proviso.  24-2 2437-02 Removed "or" from remarks.  24-2 2450-01 Added relief for AC Volt/Amp Dual Indicator.  25-1 2510-01 Combined Pilot and Co-pilot seat relief.  25-1 2510-02 Added relief for Crew Member Shoulder Harness.  25-1 2520-01 Added relief for Cabin Crew Seats.  25-1 2520-02 Revised item description to include Passenger Seat Belt.	ts.
24-1 2430-02 Revised proviso for Transformer Rectifier Connect Disconnect Light 24-2 2437-01 Removed the word "Day" from proviso.  24-2 2437-02 Removed "or" from remarks.  24-2 2450-01 Added relief for AC Volt/Amp Dual Indicator.  25-1 2510-01 Combined Pilot and Co-pilot seat relief.  25-1 2510-02 Added relief for Crew Member Shoulder Harness.  25-1 2520-01 Added relief for Cabin Crew Seats.  25-1 2520-02 Revised item description to include Passenger Seat Belt.	ts.
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24-2 2437-02 Removed "or" from remarks.  24-2 2450-01 Added relief for AC Volt/Amp Dual Indicator.  25-1 2510-01 Combined Pilot and Co-pilot seat relief.  25-1 2510-02 Added relief for Crew Member Shoulder Harness.  25-1 2520-01 Added relief for Cabin Crew Seats.  25-1 2520-02 Revised item description to include Passenger Seat Belt.	
24-2 2450-01 Added relief for AC Volt/Amp Dual Indicator.  25-1 2510-01 Combined Pilot and Co-pilot seat relief.  25-1 2510-02 Added relief for Crew Member Shoulder Harness.  25-1 2520-01 Added relief for Cabin Crew Seats.  25-1 2520-02 Revised item description to include Passenger Seat Belt.	
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25-1 2520-01 Added relief for Cabin Crew Seats.  25-1 2520-02 Revised item description to include Passenger Seat Belt.	
25-1 2520-02 Revised item description to include Passenger Seat Belt.	
25-2 2520-03 Revised item relief for Passenger Seat.	
25-2 2550-01 Added relief for Hoist System.	
25-2 2550-02 Added relief for Cargo Sling Installation.	
25-3 2560-01 Revised item description from EMS to Helicopter Air Ambulance (H	AA).
25-3 2560-02 Added relief for Flashlights.	
25-3 2560-03 Added relief for Megaphone.	
25-3 2560-04 Added relief for Survival Equipment.	
25-3 2560-05 Added relief for First Aid Kit (FAK).	
25-3 2561-01 Added relief for Floatation Equipment.	
25-4 2562-03 Added relief for Sonic Underwater Locator Beacon.	
26-1 2612-01 Added relief for Baggage Bay Fire and Smoke Detector	
28-1 2820-01 Added relief for Auto Transfer Command.	
28-1 2822-03 Added relief for Fuel Transfer Pump.	
28-1 2840-01 Added relief for Ice Fuel Warning Lights.	

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AS	332L1, AS332L	2	
		HIGHLIGHTS OF CHANGE	
PAGE NO.	JASC ITEM	EXPLANATION OF CHANGE	
28-1	2841-01	Revised Fuel High Level Warning System proviso.	
28-2	2841-02	Added proviso for Fuel Low Level Warning System.	
28-2	2841-03	Added proviso for Sponson Tank Fuel Quantity indicator.	
28-2	2841-04	Added relief for Fuel Totalizer.	
28-2	2841-05	Added relief for Fuel Quantity Gauges.	
28-3	2844-01	Added relief for Fuel Pressure Caution Light.	
28-3	2844-02	Added relief for Fuel Pressure Indicators.	
29-1	2920-01	Added relief for Landing Gear Standby Electro-Pump.	
29-1	2931-01	Added relief for Hydraulic Pressure Gauges (LH, RH, Auxiliary).	
29-1	2931-02	Added relief for Hydraulic Accumulator Pressure Gauge.	
29-1	2933-01	Added relief for Hydraulic System Indicator Lights.	
30-1	3020-01	Added relief for Engine Inlet Electrical Anti-Ice.	
30-1	3020-02	Added relief for Multi-Purpose Air Intakes System (MPAI).	
30-1	3030-01	Modified relief for Pitot Tube Heaters.	
30-2	3030-02	Added relief for Static Port Heaters.	
30-2	3040-01	Added relief for Windshield Wipers.	
30-2	3040-02	Added relief for Left and Right Windshield Panel Heaters.	
30-2	3040-03	Added relief for Center Windshield Panel Heater.	
30-2	3040-04	Added relief for Pitot Heat Failure Indication System.	
30-2	3040-05	Added relief for Windshield Washers.	
31-1	3110-01	MOVED to JASC 45.	
31-1	3120-01	DELETED.	
31-1	3120-02	Modified proviso and category.	
31-1	3120-03	DELETED.	

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AS	332L1, AS332L	.2
		HIGHLIGHTS OF CHANGE
PAGE NO.	JASC ITEM	EXPLANATION OF CHANGE
31-1	3120-04	Added relief for Chronometer.
31-1	3120-05	Added relief for Electronic Instrument Display (EID).
31-1	3130-01	Modified relief for CVR IAW PL-87.
31-2	3130-02	Modified relief for FDR IAW PL-87.
31-2	3150-01	Added relief for Aural Warning System.
32-1	3230-01	Added <b>NOTE</b> to proviso.
32-1	3240-02	Added relief for Co-pilot Toe brakes.
32-1	3260-01	Added relief for Landing Gear Position Indicating System.
32-1	3260-02	Added relief for Landing Gear Actuating System.
32-2	3260-03	Added proviso for Landing Gear Not Extended Alarm.
32-2	3260-04	Added proviso for Landing Gear Monitoring System.
33-1	3310-01	Revised item description for Cockpit/Flight Deck/Flight Compartment Instrument Lighting System(s).
33-1	3320-01	Added proviso for Passenger Compartment Lighting.
33-2	3320-02	Added relief for Cabin Emergency Lighting.
33-2	3320-03	Revised proviso for Passenger Lighted Information Sign IAW PL-123.
33-2	3340-01	Revised Position Light System description.
33-2	3340-02	Revised proviso for Anti Collision Light System.
33-2	3340-03	Added proviso for Landing Light.
33-2	3340-04	Added provisos for Utility Light.
33-2	3340-05	Added relief for Map Lights.
33-2	3340-06	Added relief for Lights for Amphibious Operations.
33-2	3340-07	Added relief for Strobe Lights.
33-3	3340-08	Added relief for Rear Landing Light.

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AS:	332L1, AS332L	.2
		HIGHLIGHTS OF CHANGE
PAGE NO.	JASC ITEM	EXPLANATION OF CHANGE
33-3	3350-01	Added Helicopter Emergency Egress System (HEELS).
33-3	3350-02	Added Cockpit Dome Light.
33-3	3350-03	Revised proviso for Supplemental Lighting System.
33-3	3350-04	Added relief for Storm Light System.
34-1	3410-01	Added relief for Multi-Function Display Processor Unit and Keys.
34-2	3410-02	Added relief for Cross Talk between MFDs.
34-2	3410-03	Added relief for AIRINC Link between APMi and Display System.
34-2	3410-04	Added relief for Discrete Link between APMi and Display System.
34-2	3417-01	Added relief for Attitude and Heading Reference System.
34-2	3417-02	Added relief for Air Data Computer.
34-2	3421-01	Added relief for Standby Instrument ISIS.
34-2	3421-02	Added relief for Standby Magnetic Compass.
34-3	3425-01	Added relief for Magnetic Aircraft Sensor (MAS).
34-3	3434-01	Revised item description and added the word "Beacon".
34-3	3444-01	Revised item description to add the words "Transmitter/Receiver".
34-4	3444-02	Revised TAWS IAW PL-54.
34-10	3453-01	Added relief for Long Range Navigation System (LORAN).
34-11	3455-01	Added relief for ADF.
34-11	3457-01	Added relief for Global Positioning Systems (GPS).
34-11	3460-01	Added relief for FMS without Radio Control Function (Single or Dual).
34-11	3460-02	Added relief for Dual FMS with Radio Control Function.
34-11	3461-01	Added relief for FMS and NMS IAW PL-98.
45-1	4500-01	Added relief for M'ARMS Aircraft Recording System.
45-1	4500-02	Added relief for HUMS Recording System.
<del>1</del> ∪-1	4000-02	Added Teller for Flowio Recording System.

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		HIGHLIGHTS OF CHANGE
PAGE NO.	JASC ITEM	EXPLANATION OF CHANGE
63-1	6300-01	Revised item description to include MGB C.
63-1	6321-01	Revised proviso for Rotor Brake System.
63-1	6321-02	Revised proviso for Rotor Brake Pressure Warning System.
63-1	6330-01	Added relief for Collective Pitch Indicator.
63-1	6340-01	Added relief for Main Rotor (NR) Tachometer.
63-1	6340-02	Added relief for Main Gear Box Cool Light (MBG C.)
63-1	6340-03	Added Proviso for Main Gear Box Oil Temperature Indicator.
73-1	7300-01	Added relief for Flow Indication System.
75-1	7500-01	Added relief for OFFSET Captions.
77-1	7710-01	Added relief for Torque Transmitting System.
77-1	7710-02	Added relief for Torque Indicators.
77-1	7740-01	Added relief for NF1/NF2 indications on Triple Tachometer Indicator.
79-1	7930-01	Added relief for Engine Oil Chip Detection.

U.S. DEPARTMENT OF TRANSPORTATION  MASTER MINIMUM EQUIPMENT LIST				
FEDERAL AVIATION ADMINISTRATION				
AIRCRAFT: REVISION NO. 5 PAGE NO. AS332C, AS332C1, AS332L, DATE: 02/10/2017 X AS332L1, AS332L2				
DEFINITIONS				

The Definitions must be inserted here in each Minimum Equipment List (MEL) from 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.

<u>Current Policy Letters</u> may be found on the Flight Standards Information Management System (FSIMS) website.

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MASTER MINIMUM EQUIPMENT LI FEDERAL AVIATION ADMINISTRATION									
AIRCRAFT: AS332C, AS332C1, AS332L, AS332L1, AS332L2	REVISION NO. 5 DATE: 02/10/2017	PAGE NO.							
GUIDELINES FOR (M) AND (O) PROCEDURES									

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:

Guidelines for (M) & (O) Procedures should be based on the Maintenance and Operational Procedures for the Minimum Equipment List AS332C, AS332C1, AS332L1, AS332L2 (M) & (O) Procedures, published by the aircraft manufacturer.

AIRCRAFT:			REVISION NO. 5 PAGE NO.				
	C, AS332C1, AS332L, 5332L1, AS332L2				2/10/2017	21-1	
					E KEY		
JASC		1. F			CATEGORY	-D	
CODE &	ITEM		2.1		BER INSTALLE	UIRED FOR DISPATCH	
ITEM NO.				3.1		OR EXCEPTIONS	
21. AIR CO	NDITIONING				1 4. T(EIVI) (T(T(O	ON EXCEPTIONS	
JASC Code	Item	1	2	3	4		Chang
2100-01 ***	Air Conditioning System	С	-	0	(M) May be indicated	operative provided system and secured.	
2121-01	Cockpit Ventilation Blower Fan/Main Fan	С	1	0		rative provided heater is assure defogging or	
		С	1	0		rative provided the Heated anels are operational.	
2140-01	Heater (Bleed Air/P2 heat)	С	1	0		rative provided heater is assure defogging or	
		С	1	0		rative provided the Heated anels are operational.	
2140-02	Heating/Ventilating Distributor Valve	С	1	0		rative provided heated air to assure defogging or	
		С	1	0		rative provided Side shield Deicing is operative.	

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	: C, AS332C1, AS332L, S332L1, AS332L2	KE			IO. 5 2/10/2017 PAGE NO. 22-1	
	·	ММ	EL T	ABL	E KEY	
JASC		1. F			CATEGORY	
CODE & ITEM NO.	ITEM	2. NUMBER INSTALLED  3. NUMBER REQUIRED FOR DISPATCH  4. REMARKS OR EXCEPTIONS				
22. AUTOF	LIGHT				4. KEMAKKO OK EXCEL HONG	
JASC Code	Item	1	2	3	4	Chang
2210-01	Transport Category	С	_	1	May be inoperative for one flight where	Dai
(PL-101)	Aircraft with Two or More Autopilots Installed			•	the purpose is to return to a location where repairs can be made.	ı
2210-02	Auto Pilot Modules (APMs)	В	2	1	<ul> <li>(O) One may be inoperative, provided:</li> <li>a) Flight is carried out in VMC,</li> <li>b) Disengage the failed APM,</li> <li>c) Controls are guarded.</li> <li>(M) If the AFCS pre-flight test cannot be started, exchange APM1 and APM2 then run the pre-flight test again.</li> </ul>	I
2210-03	Auto Pilot Heater	С	1	0	May be inoperative provided OAT is above 0° C.	
2211-01	Cross Talk between the two APM Computers	В	2	1	<ul> <li>(O) One may be inoperative, provided:</li> <li>a) Maintain both APM ON,</li> <li>b) In case of APM2 failure, AFCS upper mode will disengage.</li> <li>Re-engage them as required.</li> </ul>	ı
2213-01	Flight Control Panel (FCP)	В	2	1	<ul> <li>(O) Co-Pilot FCP may be inoperative, provided: <ul> <li>a) Engage/Disengage modes are accomplished by means of the pilot FCP.</li> <li>b) Control set references by means of the pilot FCP.</li> </ul> </li> <li>(M) If the inoperative FCP is on the pilot side, exchange the inoperative unit for the operative side unit.</li> </ul>	I
2213-02	Cyclic Trim Beep Controls	С	2	0	(O) One or both may be inoperative, provided:  a) In Basic Stabilization, modify set point values by releasing the artificial feel loads using the cyclic control grip.  b) In higher modes, modify set point values using the FCP.	ı

	RTMENT OF TRANSPORTA		N		MASTER MINIMUM EQUIPMENT	LIST			
	VIATION ADMINISTRATIO		VICI	<u> </u>	NO. 5 PAGE NO.				
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	S332L1, AS332L2			DATE: 02/10/2017 22-2					
Λ0	332L1, A0332L2	ММ	EI T	ΔRI	E KEV				
		MMEL TABLE KEY  1. REPAIR CATEGORY							
JASC		1.1			BER INSTALLED				
CODE &	ITEM		2. 1		NUMBER REQUIRED FOR DISPATCH				
ITEM NO.				3.1	4. REMARKS OR EXCEPTIONS				
22. AUTOFL	ICHT	1			4. KEWAKKO OK EXCEL HONG				
JASC Code	Item	1	2	3	4	Change			
						Bar			
2213-03	Collective Trim Beep Controls	С	2	0	(O) One or both may be inoperative for flight. Modify set point values using the FCP.	l			
2214-01	Auto Trim System	С	1	0	May be inoperative provided flight is conducted under VFR with adequate external reference.				
2215-01	Collective Link Annunciator	С	1	0	May be inoperative.				
2216-01	Cyclic Trim and Auto Trim Actuators	С	2	0	<ul> <li>(O) One or both may be inoperative, provided:</li> <li>a) Corresponding AUTO TRIM switches are set to OFF.</li> <li>b) Flight crew monitors the AFCS annunciator.</li> </ul>	I			
2216-02	Yaw Trim and Auto Trim Actuators	С	1	0	<ul> <li>(O) May be inoperative, provided:</li> <li>a) AUTO TRIM switches are set to OFF, and</li> <li>b) Flight crew monitors the AFCS annunciator and centers the control as necessary.</li> </ul>	l			
2216-03	Collective Trim Actuator	В	1	0	<ul> <li>(O) May be inoperative, provided:</li> <li>a) Command AFCAU: COLL TR FEEL on REL, and</li> <li>b) Pilot controls the collective axis manually. Adjust collective friction as necessary.</li> </ul>	I			
2216-04	Cyclic Trim Beep Controls	С	2	0	<ul> <li>(O) One or both may be inoperative, provided:</li> <li>a) In Basic Stabilization, modify set point values by releasing the artificial feel loads using the cyclic control grip.</li> <li>b) In higher modes, modify set point values using the FCP.</li> </ul>				

	RTMENT OF TRANSPORTA		N		MASTE	R MINIMUM EQUIPMENT I	LIST
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		MMI	EL T	ABL	E KEY		
IACC		1. F	REP/	AIR (	CATEGORY		
JASC	ITEM		2.1	MUN	BER INSTALLE	ED	
CODE &	ITEM			3. 1	NUMBER REQ	JIRED FOR DISPATCH	
ITEM NO.					4. REMARKS	OR EXCEPTIONS	
22. AUTOFL	IGHT				1		
JASC Code	Item	1	2	3	4		Change Bar
2216-05	Collective Trim Beep	С	2	0	(O) One or bo	th may be inoperative for	I
2210 00	Controls		_			set point values are	ı
	Controlo				modified using	•	
					Thoumed daing	guie i oi .	
2216-06	Cyclic Stick Trim Feel	С	2	0	(O) One or bo	th may be inoperative for	ı
	Release Controls		-		· ,	ht VFR only flight,	ı
	. 10.0400 001111010				provided:		
					·	er flight: The "follow up trim	
						n" (automatic in hovering)	
					is used		
						ard flight: The "Beep Trim	
						ol" is used. If the "Beep	
						control" is inoperative, use	
						yclic Trim Feel Release" of	
						CAU during the time of the	
						rage point modification. In	
						se, the cyclic pitch must be	
						lled manually during the	
					action.		
					c) Combi	ned failure of "Pilot Cyclic	
					,	rim Feel Release," "Pilot	
						Trim Beep Controls" and	
						Trim Feel Release of the	
						J" is forbidden.	

U.S. DEPAR	TMENT OF TRANSPORT	ATIOI	N		MASTE	R MINIMUM EQUIPMENT I	IST
FEDERAL A	VIATION ADMINISTRATIO	N			1717 (0.1.2	ir mirmon Egon merri	
AIRCRAFT:		RE'	VISI	A NC	IO. 5	PAGE NO.	
	C, AS332C1, AS332L,	DATE: 0			2/10/2017	22-4	
AS:	332L1, AS332L2		150 000				
					E KEY		
JASC		1. F			CATEGORY		
CODE &	ITEM		2. [		BER INSTALLE		
ITEM NO.				3. ľ		UIRED FOR DISPATCH	
22. AUTOFL	ICUT				4. KEWAKKS	OR EXCEPTIONS	
JASC Code	Item	1	2	3	4		Change
						the second by the second the second	Bar
2216-07	Collective Lever Trim Feel Release Controls  Stick Trim (Page Trips Opins)	C	1	0	provided:  a) The Construction is used Beep (or the Construction is used by the Construction is used of the Construction in this pitch in during  NOTE: Combitation is provided in the Construction is provided in the Construction is used in the Construction is used in the Construction in the Construction in the Construction is used in the Construction in the Construction in the Construction is used in the Construction in the Constru	ollective Trim Beep Control d. If the Collective Trim Control is inoperative, use ellective Trim Feel Release AFCAU during the time of chorage point modification. last case, the collective must be controlled manually the action.  ined failure of "Collective el Release", "Collective el Release", "Collective entrols" and "Collective Trim of the AFCAU" is	
2210 00	(Beep Trim Switch)		•	•	provided the S	Spring Feel System (other Trim Switch) is operating	ı
		С	1	0	provided the s	rative for VFR flight spring feel system (other Trim Switch) is operating	
2216-09	Cyclic SEMA	В	2	0	provided:  a) AFCS reconf b) Hands approa		
2216-10	Yaw SEMA	С	1	0		operative for flight, S is automatically	

MASTER MINIMUM EQUIPMENT FEDERAL AVIATION ADMINISTRATION  AIRCRAFT: AS332C1, AS332L1, AS332L2  REVISION NO. 5 DATE: 02/10/2017 23-1  MMEL TABLE KEY  1. REPAIR CATEGORY 2. NUMBER INSTALLED	LIST
AIRCRAFT:	
JASC CODE & ITEM  MMEL TABLE KEY  1. REPAIR CATEGORY  2. NUMBER INSTALLED	
JASC CODE & ITEM 1. REPAIR CATEGORY 2. NUMBER INSTALLED	
CODE & ITEM 2. NUMBER INSTALLED	
CODE & ITEM	
ITEM NO. 3. NUMBER REQUIRED FOR DISPATCH	
4. REMARKS OR EXCEPTIONS	
23. COMMUNICATIONS	
JASC Code   Item   1   2   3   4	Change Bar
2300-01 Cockpit Intercom System (ICS)  D 1 0 May be inoperative, provided aircraft is operated single pilot.	I
B 1 0 May be inoperative provided crew establishes a suitable means of communication.	
2300-02 Radio Communication D - As required by 14 CFR.	l
2310-01 High Frequency *** Communications (PL-106) System (HF)  D - As in excess of those required by 14 CFR may be inoperative.	I
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 a LRCS over the intended route of flight, c) The ICAO Flight Plan is updated (as required) to notify ATC of the communications equipment status of the aircraft, and d) Alternate procedures are established.	
2311-01 Communications *** Systems (UHF and (PL-95) VHF)  - 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 Transfers C - 0 Light	
b) Frequency Transfer C - 0 Switch c) Frequency Selector C - 2	
Knob d) Frequency Indic.  C - 2	

EEDEDAL A		N.I			MASTE	R MINIMUM EQUIPMENT L	JIST
AIRCRAFT:	AVIATION ADMINISTRATIO		VISI	N NC	IO. 5	PAGE NO.	
AS332	C, AS332C1, AS332L, S332L1, AS332L2				2/10/2017	23-2	
					E KEY		
JASC		1. F			CATEGORY	-D	
CODE &	ITEM		2.1		BER INSTALLE	UIRED FOR DISPATCH	
ITEM NO.				0.1		OR EXCEPTIONS	
23. COMMU	INICATIONS						
JASC Code	Item	1	2	3	4		Change Bar
2340-01 ***	Passenger Address System (PA)						I
(PL-09)	1) Passenger Configuration	В	1	0	a) Alterna proced restrict used, a b) Flight (audio normal	Attendant alerting Systems or visual) operates	
		С	1	0	(O) May be ind a) PA not b) Alternation	operative provided: t required by CFR, and ate normal and emergency dures and/or operating tions are established and	
	2) Cargo Configuration	С	1	0	alternate norm	operative provided nal and emergency nd/or operating restrictions and used.	
		D	1	0	May be inoper do not require	rative provided procedures its use.	

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	C, AS332C1, AS332L,	DATE:			2/10/2017	23-3	
AS	332L1, AS332L2						
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ITEM NO.				3.1		UIRED FOR DISPATCH OR EXCEPTIONS	-
23. COMMU	NICATIONS				4. KEWAKKS	OR EXCEPTIONS	
JASC Code	Item	1	2	3	4		Change
				3	4		Bar
<b>2340-02</b> *** (PL-09)	Crewmember Interphone System(s)						
	Passenger     Configuration	С	1	0	a) Crewn	operative provided: nember interphone not	I
	a) Flight Dook to					ed by 14 CFR, and	
	<ul><li>a) Flight Deck to Cabin to Flight</li></ul>					ate normal and emergency dures and/or operating	
	Deck Functions					tions are established and	
					used.		
						tation functions that ally may be used.	
2340-03	External Loud Speaker				DELETED.		
2340-03	External Loud Speaker				DELETED.		ı
2350-01	Headset	D	-	-	•	of those required by	
***					regulation ma	y be inoperative.	
2370-01	Cockpit Voice Recorder						1
***	(CVR) With a Flight						1
(PL-29)	Data Recorder (FDR)						
	Installed						
	Cockpit Voice Recorder	Α	1	0	May be inone	rative provided:	
	(CVR)			0		Data Recorder (FDR)	
	(- )					es normally, and	
					, .	rs are made within three	
					flight d	lays.	
***	1) Independent Power	С	1	0			
	Source		'				
2370-02 ***	Cockpit Voice Recorder						
	(CVR) Without a Flight Data Recorder (FDR)						
(PL-29)	installed						
	'						
	Cockpit Voice Recorder	Α	1	0		rative provided repairs are	
	(CVR)				made within th	hree flight days.	
***	1) Independent Power	С	1	0			
	Source		'				
		l		I			

U.S. DEPAR	RTMENT OF TRANSPORTA	OITA	N				
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	C, AS332C1, AS332L,				2/10/2017	23-4	
AS	S332L1, AS332L2		100 000		New and companies of the		
					E KEY		
JASC		1. REPAIR CATEGORY  2. NUMBER INSTALLED			=n	7	
CODE &	ITEM		2. 1			UIRED FOR DISPATCH	
ITEM NO.				5.1		OR EXCEPTIONS	
23. COMMU	INICATIONS						
JASC Code	Item	1	2	3	4		Change Bar
2370-03 *** (PL-29)	Cockpit Voice Recorder (CVR) For an Operator other than a holder of an air carrier or Commercial Operator Certificate  Cockpit Voice Recorder (CVR)	A	1	0		rative provided repairs are rdance with applicable	_
***	Independent Power Source	С	1	0	14 CFRs.	danos min applicable	
2370-04 ***	Flight Deck Door Visual Surveillance System						
(PL-122)	1) Electric System	D	1	0	May be inoper do not require	rative provided procedures its use.	
	a) Cargo Configuration	D	1	0	May be inoper do not require	rative provided procedures its use.	
	2) Viewing Ports	D	1	0	May be inoper do not require	rative provided procedures its use.	
	a) Cargo Configuration	D	1	0	May be inoped do not require	rative provided procedures its use.	

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AS332	C, AS332C1, AS332L, S332L1, AS332L2	KE			2/10/2017	24-1	
, A	3332L1, A3332L2	ММ	= I T	ΛRI	E KEY		
					CATEGORY		
JASC		1.1			BER INSTALLE	=D	
CODE &	ITEM		2. 1			UIRED FOR DISPATCH	
ITEM NO.				0		OR EXCEPTIONS	
24. ELECTI	RICAL POWER			<u> </u>	1		
JASC Code	Item	1	2	3	4		Chan
2420-01	Alternator	В	2	1		noperative for other than	Bar
2420-01	Alternator	В		•	Night, VFR on		ı
2425-01	Alternator Caution Lights (ALT1-ALT2)	С	2	1	phases of the checked:  a) Before every I  b) In case	noperative, provided all the functioning alternator are a takeoff and at least once hour of flight, e of illumination of the caution light.	I
2430-01	Transformer Rectifier(TRU)	В	2	1		noperative for other than ally, provided DC Interbar operative.	I
2430-02	Transformer Rectifier Connect-Disconnect Indicator Lights (TRU1-TRU2)	С	2	1	Voltmeter/Am	noperative, provided meter selector is set to the Rectifier for which the s inoperative.	I
2431-01	Battery Temperature Indicator Light (TEMP)				DELETED.		
2432-01	Standby Battery	С	1	0	May be inoper VFR only.	rative for other than Night,	

U.S. DEPARTMENT OF TRANSPORTATION  MASTER MINIMUM EQUIPMENT LIST											
FEDERAL A	VIATION ADMINISTRATION	NC			MAGTER MINIMOW EQUITMENT	_101					
AIRCRAFT: AS3320	C, AS332C1, AS332L, 3332L1, AS332L2				NO. 5 PAGE NO. 24-2						
AS	332L1, A3332L2	ммі	FI T	ΔΒΙ	E KEY						
JASC CODE & ITEM NO.	ITEM		1. REPAIR CATEGORY  2. NUMBER INSTALLED  3. NUMBER REQUIRED FOR DISPATCH  4. REMARKS OR EXCEPTIONS								
24. ELECTRICAL POWER											
JASC Code	Item	1	2	3	4	Change Bar					
2437-01	Transformers (26 Volt AC)	В	2	1	One may be inoperative for VFR only, other than Night, provided operations are conducted with adequate external reference.	<u> </u>					
2437-02	Transformers (26 Volt AC) Indicator Lights	С	2	1	One may be inoperative provided:  a) The A/C Volt/Amp Dual Indicator is operative with the 26 volt AC position selected, and b) Both alternator lights are operative.	I					
2450-01	AC Volt/Amp Dual Indicator	C	1	0	Voltmeter function may be inoperative provided:  a) Alternator Caution Lights are operative, and b) Transformer Indicator Lights are operative.						

U.S. DEPAF	RTMENT OF TRANSPORTA	ATIO	N		MACTE		LICT
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AIRCRAFT: AS3320	C, AS332C1, AS332L, 3332L1, AS332L2				IO. 5 2/10/2017	PAGE NO. 25-1	
710	3002L1, 71000ZLZ	мм	EL T	ABL	E KEY		
		_			CATEGORY		· ·
JASC CODE & ITEM NO.	ITEM		2. 1			ED UIRED FOR DISPATCH OR EXCEPTIONS	
25. EQUIPM	IENT/FURNISHINGS						
JASC Code	Item	1	2	3	4		Change Bar
2500-01	Passenger Convenience/NEF Items	-	-	-	provided the it accordance w program. NEF	rative, damaged or missing tem(s) is deferred in ith the NEF deferral program, procedures, and e outlined in the operator's	
					available to th	dures, if required, must be the flight crew and included r's appropriate document.	
2510-01	Flight Crew Seat	D	2	1	operation, pro a) Seat is	operative for single pilot vided: s not occupied, and s blocked and placarded.	I
2510-02	Crew Member Shoulder Harness	С	2	1		be inoperative or missing affected seat is not required	I
<b>2520-01</b> *** (PL-97)	Flight Attendant Seat Assembly	D	1	0	a) Flight A by FAF b) Affected and c) Folding automore retract  NOTE 1: An a stow automati inoperative.  NOTE 2: A see	ed seat is not occupied, g type seat stows atically or is secured in the ed position. automatic seat that will not ically is considered eat position with an missing restraint system is	ı
2520-02	Passenger Seat Belts and/or Shoulder Harnesses	С	-	0	a) The se	operative provided: eat is not occupied, and eat is blocked and ded.	I

U.S. DEPAR	RTMENT OF TRANSPORTA	ATIO	N		MASTE	ER MINIMUM EQUIPMENT	LIST
AIRCRAFT: AS3320	AVIATION ADMINISTRATIO C, AS332C1, AS332L, S332L1, AS332L2		_	_	NO. 5 2/10/2017	PAGE NO. 25-2	
AC	3002L1, A0002L2	_			E KEY		
JASC CODE & ITEM NO.	ITEM	1. F	_	MUŅ		ED UIRED FOR DISPATCH OR EXCEPTIONS	
JASC Code	Item	1	2	3	4		Change Bar
<b>2520-03</b> *** (PL-79)	Passenger Seats	D	-	-	a) Seat d Emerg b) Seat d passel main a c) The af and pla OCCU NOTE 1: A se belt is conside NOTE 2: Inop the required n NOTE 3: Affe	eat with an inoperative seat ered inoperative. Derative seats do not affect number of Flight Attendants. Cotted seat(s) may include whind and/or adjacent	
2550-01 ***	Hoist Installation	D	-	0		operative provided hoist activated and secured.	I
2550-02 ***	Cargo Sling Installation	D	-	0	May be inope do not require	rative provided procedures its use.	l
<b>2550-03</b> *** (PL-100)	Cargo Restraint Systems	С	-	-		rative, or missing provided thent remains empty.	

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	: C, AS332C1, AS332L, S332L1, AS332L2	RE			NO. 5 02/10/2017	PAGE NO. 25-3	
	500221,71000222	ММ	EL T	ABL	E KEY		
14.00		1. F	REP	AIR (	CATEGORY		
JASC CODE &	ITEM		2.1	MUŅ	BER INSTALLE	ED	
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48/2/48/2015 (\$125) (\$25) \$46(\$46) (\$6)					4. REMARKS	OR EXCEPTIONS	
	MENT/FURNISHINGS		1		1		Chan
JASC Code	Item	1	2	3	4		Chan Ba
2560-01 ***	Helicopter Air Ambulance (HAA) Equipment	D	-	-		operative provided removed or secured.	I
		D	-	-		erators appropriate procedures associated e equipment.	
2560-02 ***	Flashlights (Cockpit/Cabin)	D	-	-	As required by	y 14 CFR.	
2560-03 ***	Megaphone	D	-	-	As required pe	er 14 CFR.	I
2560-04 ***	Survival Equipment	D	-	-	As required by	y 14 CFR.	
<b>2560-05</b> *** (PL-73)	First Aid Kit (FAK) and/or Associated Equipment	D	-	-		of those required by be incomplete, missing, or	I
2561-01 ***	Floatation Equipment (Life Vest, Life Raft)	D	-	-	As required by	/ 14 CFR.	I
<b>2562-01</b> (PL-120)	Emergency Locator Transmitter (ELT)						
***	Survival Type ELTs	D	-	-		of those required by be inoperative or missing.	
***	Fixed ELTs	A	-	0	a) System	operative, provided: n is deactivated, and s are made within 90 days.	
		A	-	0	May be missir made within 9	ng, provided repairs are 0 days.	
		D	-	-		cess of those required by be inoperative, provided ctivated.	
		D	-	-		of those required by be inoperative or missing.	

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CODE &	ITEM		2. 1			UIRED FOR DISPATCH	
ITEM NO.						OR EXCEPTIONS	
25. EQUIPM	IENT/FURNISHINGS	•					
JASC Code	Item	1	2	3	4		Change Bar
2562-02 ***	Automatically Deployable Emergency Locator Transmitter (ADELT)	С	-	-	As required by	y 14 CFR	
2562-03	Sonic Underwater Locator Beacon (ULB)	C	-	0	As required po	er 14 CFR.	

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	AVIATION ADMINISTRATION					
AIRCRAFT:		RE'			IO. 5	PAGE NO.
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					4. REMARKS	OR EXCEPTIONS
26. FIRE PR	ROTECTION					
JASC Code	Item	1	2	3	4	Change Bar
2612-01	Baggage Bay Fire and Smoke Detector	С	-	0		rative provided   remains empty.
		С	-	0		rative provided only ble materials are carried.
<b>2622-01</b> *** (PL-75)	Portable Fire Extinguisher	D	-	-	Any in excess inoperative or a) Inoperative from in placed mistak and	of those required may be missing provided: ative fire extinguisher is inoperative, removed astalled location, and out of sight so it cannot be en for a functional unit,

U.S. DEPAI	RTMENT OF TRANSPORTA	ATIO	N		MAAOTE		LIOT
FEDERAL A	AVIATION ADMINISTRATIO	N			IVIASTE	ER MINIMUM EQUIPMENT	LIO I
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AS	S332L1, AS332L2	BABA		V DI	E KEY		
					CATEGORY		
JASC		1.1	_		BER INSTALLE	FD	
CODE &	ITEM		,			UIRED FOR DISPATCH	
ITEM NO.				0		OR EXCEPTIONS	
28. FUEL			'				
JASC Code	Item	1	2	3	4		Change Bar
2820-01	AUTO-TRANSFER	С	1	0		rative, provided there is no	Bar
2020-01	Command	С	1	0	fuel in the corror the fuel quasufficient to consumpt to the fuel quasufficient to consumpt to the fuel to the system of the system of the fuel to the fuel to the fuel to the system of the fuel to t	responding sponson tanks, antity gauge on board is omply with the applicable	ļ
2822-01	Left Engine Booster Pumps	С	2	1	One may be in 10,000 MSL.	noperative for flights below	
2822-02	Right Engine Booster Pumps	С	2	1	One may be in 10,000 MSL.	noperative for flights below	
2822-03	Transfer Pump	В	1	0	procedure is equantity of fue	operative, provided a established to ensure the lin each group is sufficient the applicable 14 CFR.	I
2840-01 ***	Ice Fuel Warning Lights ICE FUEL LH ICE FUEL RH	D	2	0		nay be inoperative provided anti-icing additive in ith RFM.	I
		D	2	0		nay be inoperative provided acted with OAT not less	
2841-01	Fuel High Level Warning System	С	2	0	One or both m fuel transfer is	nay be inoperative provided s monitored.	I

	TMENT OF TRANSPORTA		N		MASTER MINIMUM EQUIPMENT L	JIST
AIRCRAFT:	VIATION ADMINISTRATIO		VICI	<u> </u>	NO. 5 PAGE NO.	
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	332L1, AS332L2			L. 0	20-2	
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JASC					IBER INSTALLED	
CODE & ITEM NO.	ITEM			3. 1	NUMBER REQUIRED FOR DISPATCH	
ITEW NO.					4. REMARKS OR EXCEPTIONS	
28. FUEL						
JASC Code	Item	1	2	3	4	Change Bar
2841-02	Fuel Low Level Warning System	В	1	0	<ul> <li>May be inoperative provided:</li> <li>a) Fuel Quantity Indication is operative, and</li> <li>b) Tank is fueled with a known quantity as required by 14 CFR, and</li> <li>c) Takeoff with maximum fuel and maintain adequate fuel reserves required per 14 CFR.</li> <li>(O) A fuel management procedure is established.</li> </ul>	
2841-03 ***	Sponson Tank Fuel Quantity Indicator	С	2	0	May be inoperative provided there is no fuel in the corresponding sponson tanks.  The fuel quantity gauge on board is sufficient to comply with the applicable 14 CFR regulation.	ı
2841-04 ***	Fuel Totalizer	D	-	-	May be inoperative.	l
2841-05	Fuel Quantity Gauges	В	-	-	<ul> <li>(O) May be inoperative provided:</li> <li>a) A procedure is established to confirm the quantity of fuel is adequate to comply with the applicable 14 CFR, and</li> <li>b) Fuel is only transferred in the event of an engine failure, and</li> <li>c) Fuel Low Level Light is operative, and</li> <li>d) The aircraft does not take off unless the purpose is to return directly to a base where repairs can be made.</li> </ul>	

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AS332C, AS332C1, AS332L, AS332L1, AS332L2  MMEL TABLE KEY  JASC CODE & ITEM ITEM NO.  ITEM ITEM NO.  ITEM ITEM ITEM ITEM ITEM ITEM ITEM ITE		VIATION ADMINISTRATION					
MMEL TABLE KEY  JASC CODE & ITEM ITEM NO.  ITEM ITEM 1 2 3 4 Change Bar  2844-01 Fuel Pressure Caution Light  Even Pressure Indicators  B 2 0 (O) One or both may be inoperative, provided:  a) Operations are conducted at an altitude below 10,000 ft. MSL, and b) Both associated Booster Pumps			RE				
JASC CODE & ITEM ITEM ITEM ITEM ITEM ITEM ITEM ITEM				DAT	E: 0	02/10/2017 28-3	
JASC CODE & ITEM ITEM NO.  1. REPAIR CATEGORY  2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS  28. FUEL  JASC Code Item 1 2 3 4 Change Bar  2844-01 Fuel Pressure Caution Light  D 2 0 One or both may be inoperative provided the corresponding fuel pressure indicator is operational.  2844-02 Fuel Pressure Indicators  B 2 0 (O) One or both may be inoperative, provided:  a) Operations are conducted at an altitude below 10,000 ft. MSL, and b) Both associated Booster Pumps	AS	332L1, AS332L2					
TEM ITEM NO.    2. NUMBER INSTALLED   3. NUMBER REQUIRED FOR DISPATCH   4. REMARKS OR EXCEPTIONS   4. REMARKS OR EXCEPTIONS							
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28. FUEL   JASC Code   Item   1   2   3   4   Change Bar	ITEM NO.				3.1		
JASC Code   Item	00 51151					4. REMARKS OR EXCEPTIONS	
2844-01 Fuel Pressure Caution Light  D D Cone or both may be inoperative provided the corresponding fuel pressure indicator is operational.  B COO COO COO COO COO COO COO COO COO			1	1			Change
Light the corresponding fuel pressure indicator is operational.  B 2 0 (O) One or both may be inoperative, provided:  a) Operations are conducted at an altitude below 10,000 ft. MSL, and  b) Both associated Booster Pumps	JASC Code		1	2	3		Bar
Indicators  a) Operations are conducted at an altitude below 10,000 ft. MSL, and b) Both associated Booster Pumps	2844-01		D	2	0	the corresponding fuel pressure indicator	
	2844-02		B	2	0	provided:  a) Operations are conducted at an altitude below 10,000 ft. MSL, and b) Both associated Booster Pumps	

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7.0	00221,71000222	ммі	EL T	ABL	E KEY	
JASC CODE & ITEM NO.	ITEM	1. F		NUM	DATEGORY BER INSTALLED NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS	
JASC Code	Item	1	2	3	4	Change
						Bar
2920-01	Landing Gear Standby Electro-Pump	В	1	0	<ul> <li>May be inoperative for flight provided all 3 landing gear units are down locked.</li> <li>(O) Allow for 5-knot drop in cruising speed.</li> <li>(M) Secure landing gear control handle in down locked position using a wirelocked safety pin.</li> </ul>	ı
2931-01	Hydraulic Pressure Gauges (LH, RH, Auxiliary)	В	3	2	One may be inoperative provided:  a) The Warning Caution Panel (WCP) and associated hydraulic pressure warning lights are operating normally, and b) It is not reasonably practical to repair or replace before commencement of the flight.	I
2931-02	Hydraulic Accumulator Pressure Gauge	В	1	0	<ul> <li>May be inoperative provided:</li> <li>a) Left Hydraulic System pressure gauge is operative, and</li> <li>b) Left Hydraulic System pressure warning lights are operative, and</li> <li>c) Wind Velocity at engine start does not exceed RFM limit with rotor brake released at 30kt, and</li> <li>d) Wheels are chocked after landing, and</li> <li>e) Main rotor blades are secured when engine is shut down, and</li> <li>f) It is not reasonably practical to repair or replace before commencement of the flight.</li> </ul>	
2933-01	Hydraulic System Indicator Lights (LH, RH and AUX HP)	В	3	2	One may be inoperative provided:  a) The associated hydraulic pressure gauge is operating normally, and  b) It is not reasonably practical to repair or replace before commencement of the flight.	I

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CODE &	ITEM		2. 1		NUMBER REQUIRED FOR DISPATCH	
ITEM NO.					4. REMARKS OR EXCEPTIONS	
30. ICE AND	RAIN PROTECTION					
JASC Code	Item	1	2	3	4	Change Bar
3020-01	Engine Inlet Electrical Anti-Ice	D D	2	1	May be inoperative provided the aircraft is not operated in known or forecast icing conditions.  One may be inoperative provided the aircraft is not operated in Flight Manual	
		D	2	0	Conditions requiring their use.  Both may be inoperative provided the know and forecast ambient temperature for the flight is greater than the Flight Manual Condition requiring their use plus an additional 10° C.	
3020-02 ***	Multi-Purpose Air Intakes System (MPAI)	С	2	0	<ul> <li>(O) One or both may be inoperative in any position, provided:</li> <li>a) Known and forecast ambient temperature for the flight is greater than +10°C,</li> <li>b) Performances taken into account for the flight should be based on condition of intakes (both open, use MPAI open performances; both closed, use closed; one open and one closed, use closed).</li> </ul>	
3030-01	Pitot Tube Heaters	С	2	0	One or both may be inoperative for other than Night, VFR only, provided:  a) The aircraft is not operated at any time in visible moisture or precipitation when the OAT is less than 5°C.	

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					4. REMARKS OR EXCEPTIONS	
	RAIN PROTECTION					-
JASC Code	Item	1	2	3	4	Change Bar
3030-02 ***	Static Port Heaters	D	-	1	One or both may be inoperative for other than Night, VFR only, provided that the aircraft is not operated at any time in visible moisture or precipitation when the OAT is less than 5° C.	1
3040-01	Windshield Wipers					-
	1) Side Windshield Wiper	С	2	1	One may be inoperative for a flight carried out under precipitation conditions, provided that the operating windshield wiper is on the same side as the pilot at the controls.	
		С	2	0	Both may inoperative for flight operated in non-precipitation conditions.	
***	<ol><li>Centre Windshield Panel Wipers</li></ol>	D	1	0	May be inoperative.	
3040-02	Left and Right Windshield Panel Heaters	С	2	0	May be inoperative provided P2 Heater is operative.	I
		С	2	0	May be inoperative provided the aircraft is not operated in visible moisture when the OAT is less than +5° C.	
3040-03 ***	Center Windshield Panel Heater	D	1	0	May be inoperative.	
3040-04	Pitot Heat Failure Indication System	С	-	0		
3040-05 ***	Windshield Washers	D	2	0	May be inoperative.	

	RTMENT OF TRANSPORTA		•		MASTER MINIMUM EQUIPMENT L	IST
AIRCRAFT: AS332	AVIATION ADMINISTRATIC : C, AS332C1, AS332L, S332L1, AS332L2	_			NO. 5 02/10/2017 PAGE NO. 31-1	
	,	ММ	EL T	ABL	E KEY	
JASC CODE & ITEM NO.	ITEM	1. F		MUN	DATEGORY BER INSTALLED NUMBER REQUIRED FOR DISPATCH	
31. INSTRU	IMENTS				4. REMARKS OR EXCEPTIONS	
JASC Code	Item	1	2	3	4	Change Bar
3110-01	Aircraft Engine Monitoring System				MOVED to JASC 45.	
3120-01	Clock				DELETED.	
3120-02	Elapsed Timer	D	-	0	May be inoperative provided Chronometer is operative.	
3120-03	Hour Meter				DELETED.	
3120-04	Chronometer	С	2	0	May be inoperative provided another hour/minute/second indicator is available on-board the aircraft.	I
3120-05	Electronic Instrument Display (EID)	В	2	1	(O) One may be inoperative. In case of second EID failure, refer to Flight Manual Section.	
<b>3130-01</b> *** (PL-87)	Flight Data Recorder (FDR) Installed for a Holder of an Air Carrier or Commercial Operator Certificate					
	Flight Data Recorder (FDR) System	С	-	-	Any in excess of those required by 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) operates normally,  b) Repairs are made within three flight days.	

U.S. DEPARTMENT OF TRANSPORTATION  MASTER MINIMUM EQUIPMENT LIST							
FEDERAL AVIATION ADMINISTRATION							
AIRCRAFT:		REVISION NO. 5				PAGE NO.	
AS332C, AS332C1, AS332L, AS332L1, AS332L2		DATE: 02/10/2017		2/10/2017	31-2		
			MMEL TABLE KEY			<u> </u>	
1 REPAIR CATEGORY							
JASC	ITEM		2. NUMBER INSTALLED				
CODE &					3. NUMBER REQUIRED FOR DISPATCH		
ITEM NO.					4. REMARKS OR EXCEPTIONS		
31. INSTRUMENTS							
JASC Code	Item	1	2	3	4		Change Bar
<b>3130-02</b> *** (PL-87)	Flight Data Recorder (FDR) Installed for Other than an Air Carrier or Commercial Operator Certificate						
	Flight Data Recorder (FDR) System	С	-	1	Any in excess of those required by CFR may be inoperative.		
		Α	-	0		rative provided repairs are rdance with applicable	
3150-01	Aural Warning System	A	1	0	May be inoperative provided:  a) Aural warning switch is OFF and the CWP A WARN Caption is operative, and b) NR MIN and NR MAX warning lights are operative, and c) Fuel Shut-Off Lever FIRE lights are operative, and d) Both NR indicators are fully operative, and e) The aircraft does not take off for one flight unless the purpose is to join directly a base where repairs or replacements can be made.		

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AIRCRAFT:	C, AS332C1, AS332L,	RE'			IO. 5 PAGE NO. 32-1	
	S332L1, AS332L2				_, , , , _ , _ , _ , _ , _ , _ , _ , _	
					E KEY	
JASC		1. F			CATEGORY	
CODE &	ITEM		2. 1		BER INSTALLED NUMBER REQUIRED FOR DISPATCH	
ITEM NO.				3.1	4. REMARKS OR EXCEPTIONS	
32. LANDIN	IG GEAR				4. REMARKS ON EXCELLITIONS	
JASC Code	Item	1	2	3	4	Chang
3230-01	Landing Gear Kneel	С	-	0	May be inoperative.	
***	System After MOD 07					·
	23817				NOTE: Before MOD 0723817 the L/G Kneel system must be operative for	
					flight.	
2040.04	Davids a Davids	_	4		(O) May be in an aretine may ideal.	
3240-01	Parking Brake	С	1	0	<ul><li>(O) May be inoperative provided:</li><li>a) Normal Braking System is</li></ul>	
					operative.	
					b) Wheel chocks are utilized, and	
					c) Hydraulic accumulator pressure	
					is checked before removing chocks.	
3240-02 ***	Toe Brakes (Co-pilot)	D	1	0	(O) Procedure to ensure that taxiing,	
					take-off and landing is performed from the pilot's side.	
					(M) Procedure to ensure there is no	
					evidence of fluid leakage from the	
					system when operative (Captain's) toe	
					brakes are applied.	
3260-01	Landing Gear Position	С	1	0	May be inoperative provided:	
	Indicating System				(O) An allowance is made for a 5-knot	
					drop in cruising speed.	
					(M) All three landing gear units are	
					verified down locked. Landing Gear	
					Control Handle is secured in Down Locked position using a wire locked	
					safety pin.	
2266.00	Londing Open Astro-th	_	4	•		-
3260-02	Landing Gear Actuating System	С	1	0	May be inoperative provided:  (O) An allowance is made for a 5-knot	ı
	Cystem				drop in cruising speed.	
					(M) All three landing goes units are	
					(M) All three landing gear units are verified down locked. Landing Gear	
					Control Handle is secured in Down	
					Locked position using a wire locked	
					safety pin.	

U.S. DEPAR	TMENT OF TRANSPORTA	ATIOI	N				
	VIATIONI ADMINISTRATIC	N. I			MASTE	R MINIMUM EQUIPMENT	LIST
AIRCRAFT:	VIATION ADMINISTRATIO		/ISI	A IAC	IO. 5	PAGE NO.	
	C, AS332C1, AS332L,				2/10/2017	32-2	
	332L1, AS332L2						
					E KEY		
JASC		1. F			CATEGORY		
CODE &	ITEM		2. ľ		BER INSTALLE		
ITEM NO.				3. N		JIRED FOR DISPATCH OR EXCEPTIONS	
32. LANDING	G GFAR				4. INLIVIATION	ON EXCEPTIONS	
JASC Code	Item	1	2	3	4		Change
3260-03		С	1	0		operative, provided:	Bar
3200-03	Landing Gear Not Extended Alarm		'	U		ng Gear Position Indicating	I
					Syster	n is operational, and	
						Landing Gear Not	
					Extend	ded Warning Light.	
3260-04	Landing Gear	С	1	0	May be inoper	ative provided:	
	Monitoring System				(O) An allowar	nce is made for a 5-knot	·
					drop in cruisin	g speed.	
					(M) All three la	anding gear units are	
					verified down	locked. Landing Gear	
						e is secured in Down	
						on using a wire locked	
					safety pin.		

U.S. DEPAR	RTMENT OF TRANSPORTA	ATIO	N		MASTER MINIMUM EQUIP	MENT I	IST
FEDERAL A	AVIATION ADMINISTRATIO	N			MASTER MINIMOW EQUIT	IVILINI L	101
AIRCRAFT: AS3320					IO. 5 PAGE NO. 33-1		
Α.	3332L1, A3332L2	мм	FI T	ΆΒΙ	E KEY		
					CATEGORY		
JASC			_		BER INSTALLED		
CODE &	ITEM				NUMBER REQUIRED FOR DISPAT	TCH	
ITEM NO.					4. REMARKS OR EXCEPTIONS		
33. LIGHTS				1			
JASC Code	Item	1	2	3	4		Change
<b>3300-01</b> (PL-127)	NVG Compatible Lighting System	C	-	-	Unaided operation (without NVG's be permitted with inoperative NVG supplemental lights; cracked or mi filters; provided the remaining light a) Sufficient to clearly illumina required instruments, contrand other devices for which are provided, b) Positioned so that direct rashielded from flight crew-members eyes, c) Lighting configuration and intensity is acceptable to the flight crew.	ssing ts are: ate all rols, n they ys are	Bar
<b>3310-01</b> (PL-77)	Cockpit/Flight Deck/Flight Compartment Instrument Lighting System(s)	С	-	-	<ul> <li>(O) Individual lights may be inoper provided: <ul> <li>a) Remaining Lighting System sufficient to clearly illuminal required instruments, contrand other devices for which are provided,</li> <li>b) Remaining Lighting System positioned so that direct ray shielded from flight crewmembers eyes, and</li> <li>c) Lighting configuration and intensity is acceptable to the flight crew.</li> </ul> </li> <li>NOTE 1: Individual button/switch lighdor annunciations/indications a excluded from this relief.</li> <li>NOTE 2: Unaided operation (without NVGs) may be permitted inoperative NVG supplemental light cracked or missing filters.</li> </ul>	n are ite all rols, n they n are ys are ights re	I
3320-01	Passenger Compartment Lighting	D	1	0	May be inoperative, provided the a is not carrying passengers.	aircraft	I

	AVIATION ADMINISTRATION				<u> </u>		
	: :C, AS332C1, AS332L, S332L1, AS332L2	RE'			IO. 5 2/10/2017	PAGE NO. 33-2	
	200221,71000222	ММ	EL T	ABL	E KEY		
14.00					CATEGORY		
JASC CODE &	ITEM		2.1	NUM	BER INSTALLE	D	
ITEM NO.	ITEM			3.1	NUMBER REQU	IRED FOR DISPATCH	
TI LIVI NO.					4. REMARKS (	OR EXCEPTIONS	
33. LIGHTS							
JASC Code	Item	1	2	3	4		Change Bar
3320-02	Cabin Emergency Lighting	D	1	0	May be inopera is not carrying p	ative, provided the aircraft cassengers	Ι
		D	1	0	As required by		
3320-03 *** (PL-123)	Passenger Lighted Information sign	С	-	-	alternate proce	perative provided dures are established and abin occupants.	l
3340-01	Position Light System	С	3	-	May be inopera to Sunrise oper	ative for other than Sunset rations.	
3340-02	Anti-collision Light System	С	-	-	As required by	14 CFR.	
3340-03	Landing Light	С	1	0	Both may be inc Night operation	operative for other than s only.	
		С	2	1		ative for Night operations econd landing light is perative.	
3340-04	Utility Light	D	1	0	May be operative VFR only, flight	ve for other than Night	
		D	1	0	flight provided:  a) All norm operativ b) Flight D operativ c) One flas	eck Dome Light is	
3340-05	Map Lights	D	2	0	One or both ma	ay be inoperative.	
3340-06 ***	Lights for Amphibious Operations	D	-	-			
3340-07	Strobe Light	С	-	0	One or both ma	ay be inoperative.	

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AIRCRAFT:	AVIATION ADMINISTRATION C, AS332C1, AS332L,				NO. 5 12/10/2017	PAGE NO. 33-3	LIOT
	5332L1, AS332L2	ММІ			E KEY	00 0	
					CATEGORY		
JASC					BER INSTALLE	ΞD	,
CODE &	ITEM					UIRED FOR DISPATCH	
ITEM NO.						OR EXCEPTIONS	
33. LIGHTS							
JASC Code	Item	1	2	3	4		Change Bar
3340-08	Poor Landing Light	D	1	0	May be incore	rative for other than night	l Bai
***	Rear Landing Light		'	0	VFR only fligh	rative for other than night, it.	ı
		D	1	0	May be inopel Landing Light	rative for Night if the Main is operative.	
3350-01 ***	Helicopter Emergency Egress Lighting System (HEELS)	С	-	0	As required by	y 14 CFR.	
3350-02	Cockpit Dome Light	D	1	0	May be inoper flights.	rative for other than Night	
		D	1	0	provided:  a) All nor operat  b) One flag	rative for Night flight mal flight deck lights are ive, and ashlight as required by R is readily available to the	
3350-03 ***	Supplemental Lighting System	D	-	-	May be inoped do not require	rative provided procedures its use.	
3350-04	Storm Light System	С	-	-	thunderstorms weather condi	rative provided s/potentially hazardous itions are unlikely to be on intended route.	

	RTMENT OF TRANSPORTA		N		MASTE	R MINIMUM EQUIPMENT I	LIST
AIRCRAFT:			VISI	A AC	IO. 5	PAGE NO.	
_	C, AS332C1, AS332L,	'\_			2/10/2017	34-1	
AS	3332L1, AS332L2		the dec		1 Y 9 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
		_			E KEY		(1)
JASC		1. F			CATEGORY BER INSTALLE	-n	7
CODE &	ITEM		2. 1			UIRED FOR DISPATCH	
ITEM NO.				J. 1		OR EXCEPTIONS	
34. NAVIGA	TION						
JASC Code	Item	1	2	3	4		Change Bar
3410-01	Multi-Function Displays (MFD) Processor Unit/Key & Display Unit	С	4	3	for other than provided:  a) One u operate RH side Side, a sid	control module indicators mergency instruments on ntral instrument panel are erational.  unit fails; the loss of all requires maximum  on control, and tause AFCS upper modes.  be inoperative for IFR or	

U.S. DEPAR	RTMENT OF TRANSPORT	ATIO	N			
FEDERAL A	AVIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT	LIST
AIRCRAFT:			VISI	ON N	NO. 5 PAGE NO.	
	C, AS332C1, AS332L,		DA	ΓE: 0	2/10/2017 34-2	
AS	S332L1, AS332L2	2424			E VEV	
					LE KEY CATEGORY	
JASC		1. [			BER INSTALLED	
CODE &	ITEM		2.1		NUMBER REQUIRED FOR DISPATCH	
ITEM NO.				0.1	4. REMARKS OR EXCEPTIONS	
34. NAVIGA	TION				'	
JASC Code	Item	1	2	3	4	Change Bar
3410-02	Cross-talk between MFDs	С	4	3	One may be inoperative as per MFD.	
3410-03	ARINC Link Between APMi (i=1 or 2) and Display System	В	2	1	<ul> <li>(O) One may be inoperative, provided:</li> <li>a) Flight is carried out in VMC;</li> <li>b) Disengage APMi,</li> <li>c) Controls are guarded.</li> </ul>	I
3410-04	Discrete Link Between APMi (i=1 or 2) and Display System	В	2	1	<ul> <li>(O) May be inoperative, provided:</li> <li>a) Flight is carried out in VMC;</li> <li>b) Disengage APMi,</li> <li>c) Controls are guarded.</li> </ul>	1
3412-01	OAT Indicator	С	1	0	May be inoperative provided another air temperature indicator is operative that is convertible to OAT.	
3417-01	Attitude and Heading Reference System (AHRS)	С	2	1	<ul> <li>(O) One may be inoperative for VFR flight provided ISIS is operative.</li> <li>On RCU: <ul> <li>a) Select valid AHRS;</li> <li>b) Set invalid AHRS to OFF</li> <li>c) In case of 2<sup>nd</sup> AHRS or ISIS failure, maintain VFR if possible.</li> </ul> </li> <li>NOTE: Depending on the TAWS version</li> </ul>	_
					installed with AHRS 2 failed, check the applicable Flight Manual Supplement.	
3417-02	Air Data Computer (ADC)	С	2	1	(O) One may be inoperative for VFR flight provided ISIS is operative. On RCU: a) Select valid ADC b) In case of 2nd ADC or ISIS failure, maintain VFR if possible.	
3421-01	Stand-By Instrument (ISIS)	С	1	0	<ul> <li>(O) May be inoperative for VFR flight, provided:</li> <li>a) Both AHRS are operative,</li> <li>b) Both ADC are operative.</li> <li>c) In case of AHRS or ADC failure, maintain VFR if possible.</li> </ul>	
3421-02	Standby Magnetic Compass	С	-	-	As required by 14 CFR.	

	RTMENT OF TRANSPORT		N		MASTER MINIMUM EQUIPMENT LIS	ST.
	VIATION ADMINISTRATIO		// 01/	~ N I N	DAOE NO	
AIRCRAFT:	C, AS332C1, AS332L,	KE			NO. 5 PAGE NO. 34-3	
	332L1, AS332L2			L. U	52/10/2017	
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11.00					CATEGORY	
JASC CODE &	ITEM				IBER INSTALLED	
ITEM NO.	ITEM			3. N	NUMBER REQUIRED FOR DISPATCH	
TILWING.					4. REMARKS OR EXCEPTIONS	
34. NAVIGA	TION					
JASC Code	Item	1	2	3		nange Bar
3425-01	Magnetic Aircraft Sensor (MAS)	С	2	1	<ul> <li>(O) One may be inoperative for VFR flight.</li> <li>On RCU: <ul> <li>a) Select DG mode on the heading receiving the failed MAS;</li> <li>b) Adjust the DG value by comparison to the valid heading source.</li> <li>c) Check heading with stand-by compass.</li> </ul> </li> </ul>	_
3431-01	ILS	С	-	-	As required by 14 CFR.	
3434-01 ***	Marker Beacon	С	-	-	As required by 14 CFR.	I
3442-01 ***	Weather Radar System	С	-	-	As required by 14 CFR.	
3444-01	Radio Altimeter Transmitter/ Receiver	С	-		As required by 14 CFR.	

AIRCRAFT: AS3320	<u>.VIATION ADN</u> C, AS332C1, A 332L1, AS332	\S332L,				O. 5 2/10/2017	GE NO. 34-4
	,		ММ	EL T	ABL	E KEY	
JASC			1. F	REPA	AIR C	ATEGORY	
CODE &	ITE	- N.4		2.1	NUM	BER INSTALLED	
ITEM NO.	116	IVI			3. N	IUMBER REQUIRE	D FOR DISPATCH
IT LIVE INC.						4. REMARKS OR E	EXCEPTIONS
34. NAVIGA	TION		•				
JASC Code	Item		1	2	3	4	Cr
3444-02	Class A TAV	WS	Α	1	0	(O) May be inopera	ative provided:
***	Equipment			_		a) Alternate pr	•
(PL-54)	1) GPWS						and used, and
HTAWS	.,					<b>b)</b> Repairs are	
						(2) flight day	
	a) Mode	es 1-4	Α	4	0	(O) May be inopera	
						<ul><li>a) Alternate pr</li></ul>	
							and used, and
						b) Repairs are	
						(2) flight day	ys.
	h\ Taat	Mada			•	(O) May be incorpare	stive provided.
	b) Test	Mode	Α	1	0	(O) May be inopera	
						a) GPWS is co	
						inoperative,	
						b) Repairs are	
						(2) flight day	ys.
	c) Glide	eslope	С	_	1		
	•	ation(s)			•		
	Mode	_ ` ′					
	Wied						
			В	-	0		
	d) Advis	sorv	В	_	0	(O) Maybe inoperat	tive provided alternate
	Callo					procedures are esta	
	Cane	, ato				procedures are con	abilitica aria acca.
			I				

	AVIATION ADMINISTRATIO		. // С /	<u> </u>	10. 5	DAGENO	
AIRCRAFT AS332	: C, AS332C1, AS332L,	RE			NO. 5 12/10/2017	PAGE NO. 34-5	
A	S332L1, AS332L2						
					E KEY		
JASC		1. F			CATEGORY		
CODE &	ITEM		2.1		BER INSTALLE		
ITEM NO.				3.1		UIRED FOR DISPATCH OR EXCEPTIONS	
34. NAVIGA	ATION				4. INLIVIATION	ON EXCEPTIONS	
JASC Code	Item	1	2	3	4	C	Chang
3444-02	1.0	C	_	0		operative provided:	Bar
***			_			ory callout not required by	
(Cont'd)					14 CFI		
,						ate procedures are	
					establi	shed and used.	
	a) Windohaar Mada	ь	4	_	(O) Mayba ina	prorative provided alternate	
	e) Windshear Mode (Reactive)	В	1	0		pperative provided alternate re established and used.	
	***				NOTE: Opera	tor's alternate procedures	
						e windshear avoidance and	
						covery procedures.	
		С	1	0		operative provided:	
						ate procedures are	
						shed and used, and hear Detection and	
					,	ance System (Predictive)	
						es normally.	
	2) Terrain System	В	1	0		operative provided	
	Forward Looking				•	edures are established and	
	Terrain Avoidance (FLTA) And Premature				used.		
	Descent Altert (PDA)						
	Functions						
	3) Terrain Displays	С	-	1			
		В	-	0			
	4) Runway Awareness	С	1	0			
	& Advisory System		•				
	(RAAS)						
	***						
			•	1	i		

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	: C, AS332C1, AS332L, S332L1, AS332L2	KE			IO. 5 2/10/2017	PAGE NO. 34-6	
		MM	EL T	ABL	E KEY		
JASC		1. F			CATEGORY		
CODE &	ITEM		2. I		BER INSTALLE		
ITEM NO.	TT LIVI			3.1		UIRED FOR DISPATCH	
04 1141/104					4. REMARKS	OR EXCEPTIONS	
34. NAVIGA		1 -	1 .	1 .	T .		Chang
JASC Code	Item	1	2	3	4		Bar
3444-02 *** (Cont'd)	Class B TAWS Equipment Required 1) GPWS	A	1	0	<b>a)</b> Alterna establi	operative provided: ate procedures are shed and used, and s are made within (2) flight	
	a) Modes 1 & 3	A	2	0	<b>a)</b> Alterna establi	operative provided: ate procedures are ished and used, and rs are made within (2) flight	
	b) Test Mode	A	1	0	a) GPWS and	operative provided: S is considered inoperative, s are made within (2) flight	
	c) Modes 2, 4 & 5 ***	С	3	0			
	d) Advisory Callouts	В	-	0		operative provided alternate re established and used.	
		С	-	0	a) Adviso 14 CFI b) Alterna	operative provided: bry callout not required by R, and ate procedures are shed and used.	
	e) Windshear Mode (Reactive) ***	С	1	0		operative provided alternate re established and used.	

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		MMI	EL T	ABL	E KEY		
JASC		1. F			CATEGORY		
CODE &	ITEM		2. I		BER INSTALLE		
ITEM NO.				3.1		UIRED FOR DISPATCH	
34. NAVIGA	ATION				4. REMARKS	OR EXCEPTIONS	
	1		١,	٠,	14		Change
JASC Code	Item	1	2	3	4		Bar
3444-02 *** (PL-54) (Cont'd)	2) Terrain System Forward Looking Terrain Avoidance (FLTA) And Premature Descent Alert (PDA) Functions	В	1	0		operative provided edures are established and	
	3) Terrain Displays ***	С	-	1			
	4) Runway Awareness & Advisory System (RAAS) ***	С	1	0			
	Class C TAWS Equipment TAWS/GPWS ***	С	1	0	procedures ar	operative provided alternate re established and used.	
<b>3445-01</b> *** (PL-32)	Traffic Alert & Collision Avoidance Systems (i.e., TCAS I)	В	-	0	a) Systen secure b) Enrout	operative provided: m is deactivated and ed, te or approach procedures require its use.	
		С	-	0	<ul><li>a) Not red</li><li>b) System secure</li><li>c) Enrout</li></ul>	operative provided: quired by 14 CFR, m is deactivated and ed, te or Approach procedures require its use.	
<b>3445-02</b> *** (PL-32)	Traffic Alert and Collision Avoidance System (TCAS II)	В	-	0	a) Systen secure b) Enrout	operative, provided: n is deactivated and ed, and te or approach procedures require its use.	
		С	-	0	<ul><li>a) Not red</li><li>b) System secure</li><li>c) Enrout</li></ul>	operative, provided: quired by 14 CFR, m is deactivated and ed, and te or approach procedures require its use.	

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710	0021	11, 71000222	ММ	EL T	ABL	E KEY
JASC			1. F	REPA	AIR (	CATEGORY
CODE &		ITEM		2.1		BER INSTALLED
ITEM NO.		<u></u>			3.1	NUMBER REQUIRED FOR DISPATCH
34. NAVIGA	TION	ı				4. REMARKS OR EXCEPTIONS
JASC Code	Item		1	2	3	4 Chang Bar
3445-02 *** (PL-32) (Cont'd)	1)	Combined Traffic Alert (TA) and Resolution Advisory (RA) Dual Display System(s)	С	2	1	May be inoperative on the non-flying pilot side, provided:  a) TA and RA visual display is operative on flying pilot side,  b) TA and RA audio function is operative on flying pilot side.
	2)	Resolution Advisory (RA) Display System(s)	С	2	1	May be inoperative on the non-flying pilot side.
			С	-	0	<ul> <li>(O) May be inoperative, provided:</li> <li>a) Traffic Alert (TA) visual display and audio functions are operative,</li> <li>b) TA Only mode is selected by the crew,</li> <li>c) Enroute or approach procedures do not require its use.</li> </ul>
	3)	Traffic Alert Display System(s)	С	-	0	<ul> <li>(O) May be inoperative, provided:</li> <li>a) RA visual display and audio functions are operative, and</li> <li>b) Enroute or Approach procedures do not require its use.</li> </ul>
	4)	Audio Function	В	1	0	May be inoperative provided Enroute or Approach procedures do not require use of TCAS.
	5)	Airspeed Selection	С	-	0	

	AVIATION ADMINISTRATI		\ /\ O ! ·	<u> </u>	10.5	DAOE NO				
	C, AS332C1, AS332L, S332L1, AS332L2	RE			NO. 5 PAGE NO. 34-9					
		MM	MMEL TABLE KEY							
JASC		1. F	1. REPAIR CATEGORY							
CODE &	ITEM		2. I		BER INSTALLED					
ITEM NO.	112111			3.1	NUMBER REQUIRED FOR DISPATCH					
	=:-:				4. REMARKS OR EXCEPTIONS					
34. NAVIGA	ATION		1			OI				
JASC Code	Item	1	2	3	4	Change Bar				
<b>3451-01</b> *** (PL-03)	Distance Measuring Equipment (DME) Systems	D	-	-	Any in excess of those required by 14 CFR may be inoperative.					
2452.04	ATC Tropped and are 0	В			May be increasing provided.					
3452-01 ***	ATC Transponders & Automatic Altitude	В	-	0	May be inoperative, provided:  a) Operations do not require its use,					
(PL-76)	Reporting Systems				b) Prior to flight, approval is					
(1 2 70)	Reporting Cystems				obtained from ATC facilities					
					having jurisdiction over the					
					planned route of flight.					
		D		1	Any in excess of those required by					
		0	-	l '	Any in excess of those required by 14 CFR may be inoperative.					
					14 Cr K may be moperative.					
	1) Elementary	Α	-	0	May be inoperative provided:					
	and Enhanced				a) Operations do not					
	Downlink				require its use,					
	Aircraft				and					
	Reportable				<b>b)</b> Repairs are made					
	Parameters				prior to completion					
	not Required				of next scheduled maintenance visit.					
	by 14 CFR				maintenance visit.					
	***									
	0) 450 5	_			March a formance of the control of					
	2) ADS-B	D	-	0	May be inoperative provided operations					
	Squitter Transmission				do not require its use.					
	****									
		С	-	0	(O) May be inoperative provided					
					alternate procedures are established and					
					used.					
					NOTE: Any ADS P Out function that					
					<b>NOTE:</b> Any ADS-B Out function that operates normally may be used.					
					operates normally may be used.					
			1							

U.S. DEPAI	RTMENT OF TRANSPORT	ATIO	N		MACTE		LICT		
FEDERAL A	AVIATION ADMINISTRATIO	N			IVIASTE	ER MINIMUM EQUIPMENT	LIST		
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7.0	S332L1, AS332L2	ММ	MMEL TABLE KEY						
14.00		_			CATEGORY				
JASC CODE &	ITEM		2.1	MUN	BER INSTALLE	ΞD			
ITEM NO.	I I EIVI			3.1	NUMBER REQ	UIRED FOR DISPATCH			
			_		4. REMARKS OR EXCEPTIONS				
34. NAVIGA	ATION								
JASC Code	Item	1	2	3	4		Change Bar		
3452-03 *** (PL-105)	Automatic Dependent Surveillance-Broadcast (ADS-B) System	D	-	0	NOTE: If ADS as a replacem equipment, the operator's ME	rative provided in is not 4 CFR.  6-B is installed in lieu of or nent for 14 CFR e repair category in the 6L will be the same as that 8 required equipment.			
	Cockpit Display and Traffic Information (CDTI)	D	-	0	NOTE: Cockp	oit Display Traffic of CDTI) display of data from systems may be used.			
	2) CDTI Control Panel	D	-	0	a) Flight I b) Screer	rative provided: ID can be set, and n display is acceptable to tht crew.			
	3) Data Link Transmitter(s)	D	-	0	Transmission	ne aircraft the Data Link is an integral part of the and relief is provided in that			
	4) Data Link Receivers	D	-	0					
	5) ADS-B Applications	D	-	0					
3453-01 ***	Long-Range Navigation (LORAN) System	D	-	0	As required by	y 14 CFR.			
3454-01 ***	VOR	С	-	-	As required by	y 14 CFR.			

U.S. DEPARTMENT OF TRANSPORTATION  MASTER MINIMUM EQUIPMENT LI FEDERAL AVIATION ADMINISTRATION									
WIATION ADMINISTRATION									
C, AS332C1, AS332L,									
	MMEL TABLE KEY								
	1. F			C101000 21 (200 - 200 000 110 (40 - 40 000)					
ITEM		2.1							
			3.1						
TION		4. REMARKS OR EXCEPTIONS							
	T .	l _		Ι.	Change				
		2	3		Bar				
ADF	С	-	-	As required by 14 CFR.	1				
Global Positioning Systems (GPS)	С	-	-	As required by 14 CFR.	1				
FMS without Radio Control Function (Single or Dual)	С	-	0	One or more may be inoperative provided procedures do not require their use.	I				
Dual FMS with Radio Control Function	С	2	1	(O) One may be inoperative, provided the VHF/VOR back-up Radio Control Box is operative.	-				
Flight Management System Navigation Databases  Navigation Management System Navigation Databases	C	-	-	<ul> <li>(O) May be out of currency provided: <ul> <li>a) Current Aeronautical Charts are used to verify Navigation Fixes prior to dispatch</li> <li>b) Procedures are used to verify status and suitability of Navigation Facilities used to define route of flight, and</li> <li>c) Approach Navigation Radios are manually tuned and identified.</li> </ul> </li> <li>(O) May be out of currency provided: <ul> <li>a) Current Aeronautical Charts are used to verify Navigation Fixes prior to dispatch</li> <li>b) Procedures are used to verify status and suitability of Navigation Facilities used to define route of flight, and</li> <li>c) Approach Navigation Radios are manually tuned and identified.</li> </ul> </li> </ul>	I				
	AVIATION ADMINISTRATION  C, AS332C1, AS332L, 332L1, AS332L2  ITEM  TION  Item  ADF  Global Positioning Systems (GPS)  FMS without Radio Control Function (Single or Dual)  Dual FMS with Radio Control Function  Flight Management System Navigation Databases  Navigation Management System  Navigation Management System	AVIATION ADMINISTRATION  C., AS332C1, AS332L, 332L1, AS332L2  MMI  ITEM  ITEM  ITEM  TION  Item  ADF  C  Global Positioning Systems (GPS)  FMS without Radio Control Function (Single or Dual)  Dual FMS with Radio Control Function  C System Navigation Databases  Navigation Databases  C  C  Navigation Management System  C  C  Navigation Management System	AVIATION ADMINISTRATION  C, AS332C1, AS332L, B332L1, AS332L2    ITEM	AVIATION ADMINISTRATION  C, AS332C1, AS332L, 332L1, AS332L2    MMEL TABL     1. REPAIR (	MASTER MINIMUM EQUIPMENT  NIATION ADMINISTRATION  REVISION NO. 5 DATE: 02/10/2017  MMEL TABLE KEY  1. REPAIR CATEGORY 2. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS  TION  Item 1 2 3 4 ADF C - As required by 14 CFR.  Global Positioning Systems (GPS)  FMS without Radio Control Function (Single or Dual)  Dual FMS with Radio Control Function Control Function System Navigation Databases  C - O One or more may be inoperative provided procedures do not require their use.  Fiight Management System Navigation Databases  C - O One may be inoperative, provided the VHF/VOR back-up Radio Control Box is operative.  (O) May be out of currency provided: a) Current Aeronautical Charts are used to verify Navigation Fixes prior to dispatch b) Procedures are used to verify status and suitability of Navigation Radios are manually tuned and identified.  Navigation Management System Navigation Databases  C - O May be out of currency provided: a) Current Aeronautical Charts are used to verify status and suitability of Navigation Fixes prior to dispatch b) Procedures are used to verify status and suitability of Navigation Facilities used to define route of flight, and c) Approach Navigation Fixes prior to dispatch b) Procedures are used to verify status and suitability of Navigation Facilities used to define route of flight, and c) Approach Navigation Facilities used to define route of flight, and c) Approach Navigation Facilities used to define route of flight, and c) Approach Navigation Radios are				

MASTER MINIMUM EQUIPMENT L	IST
AIRCRAFT:	101
AS332L1, AS332L2	
State	
1. REPAIR CATEGORY   2. NUMBER INSTALLED   3. NUMBER REQUIRED FOR DISPATCH   4. REMARKS OR EXCEPTIONS   4. REMARKS OR EXCEPTIONS   35. OXYGEN   1 2 3 4   3510-01   Oxygen System and   Masks (Crew and   D   - 0   As required by 14 CFR.	
2. NUMBER INSTALLED   3. NUMBER REQUIRED FOR DISPATCH   4. REMARKS OR EXCEPTIONS   35. OXYGEN   1   2   3   4     3510-01   Oxygen System and Masks (Crew an	
CODE &   ITEM	
3. NUMBER REQUIRED FOR DISPATCH   4. REMARKS OR EXCEPTIONS   35. OXYGEN   1   2   3   4     3510-01   Oxygen System and   Masks (Crew and   D   -   0   As required by 14 CFR.	
35. OXYGEN           JASC Code Item         1         2         3         4           3510-01 ****         Oxygen System and Masks (Crew and         D         -         0         As required by 14 CFR.	
JASC Code         Item         1         2         3         4           3510-01         Oxygen System and Masks (Crew and         D         -         0         As required by 14 CFR.	
3510-01 Oxygen System and b - 0 As required by 14 CFR.  *** Masks (Crew and	Change
*** Masks (Crew and	Bar

U.S. DEPAR	RTMENT OF TRANSPORTA	ATIO	N		MACTE		LICT				
FEDERAL A	VIATION ADMINISTRATIO	N			IVIASTE	R MINIMUM EQUIPMENT	LIST				
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	C, AS332C1, AS332L,		DAT	ΓE: 0	2/10/2017	45-1					
AS	332L1, AS332L2	BABAI	MMEL TABLE KEY								
		1. REPAIR CATEGORY									
JASC					BER INSTALLE	ED .					
CODE & ITEM NO.	ITEM					JIRED FOR DISPATCH					
48.0400.0075.00 M.G.865006					4. REMARKS	OR EXCEPTIONS					
	AL MAINTENANCE SYSTE	M	ı				12.				
JASC Code	Item	1	2	3	4		Change Bar				
4500-01	M'ARMS Aircraft	D	-	-	As required by	/ 14 CFR.					
	Recording and Monitoring System										
	Worldoning System										
4500-02	HUMS	D	-	-	As required by	/ 14 CFR					

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AS332C, AS332C1, AS332L2   DATE: 02/10/2017   52-1	FEDERAL A	VIATION ADMINISTRATIO	N			WINCOTE	IN WINNING WIE QUIT WIE INT				
MMEL TABLE KEY  JASC CODE & ITEM ITEM NO.  ITEM 1 2 3 4 Change Bar  S270-01 External Door Indicating (PL-69)  AS332L1, AS332L2  MMEL TABLE KEY  1. REPAIR CATEGORY 2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS  Change Bar  (O) May be inoperative provided pressure is applied against the opening access doors to verify that the doors are	AIRCRAFT:										
JASC CODE & ITEM ITEM ITEM ITEM ITEM ITEM ITEM ITEM				DAT	ΓE: 0	2/10/2017	52-1				
JASC CODE & ITEM ITEM ITEM ITEM ITEM ITEM ITEM ITEM	AS	332L1, AS332L2		MARI TARIFICA							
ITEM ITEM ITEM ITEM ITEM ITEM ITEM ITEM											
ITEM NO.  3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS  52. DOORS  JASC Code Item 1 2 3 4 Change Bar  5270-01 External Door Indicating C - (O) May be inoperative provided pressure is applied against the opening access doors to verify that the doors are	JASC		Т. Г				-n	7			
52. DOORS  JASC Code Item 1 2 3 4 Change Bar  5270-01 External Door Indicating C - (O) May be inoperative provided pressure is applied against the opening access doors to verify that the doors are		ITEM		2. 1							
52. DOORS       JASC Code     Item     1     2     3     4     Change Bar       5270-01     External Door Indicating **** System     C     -     -     (O) May be inoperative provided pressure is applied against the opening access doors to verify that the doors are	ITEM NO.				5.1						
JASC Code     Item     1     2     3     4     Change Bar       5270-01 ****     External Door Indicating System     C     -     -     (O) May be inoperative provided pressure is applied against the opening access doors to verify that the doors are	52. DOORS					1.112	01(2/(02) 1101(0				
*** System pressure is applied against the opening access doors to verify that the doors are		Item	1	2	3	4		Change Bar			
	5270-01 ***	External Door Indicating				(O) May be incorpressure is ap	oplied against the opening to verify that the doors are	Change Bar			

	AVIATION ADMINISTRATIO					R MINIMUM EQUIPMENT I	
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710	5002L1, 70002L2	ммі	EL T	ABL	E KEY		
		_			CATEGORY		
JASC					BER INSTALLE	ED	
CODE &	ITEM			3.1	NUMBER REQU	JIRED FOR DISPATCH	
ITEM NO.					4. REMARKS	OR EXCEPTIONS	
63. MAIN R	OTOR DRIVE	•		•			
JASC Code	Item	1	2	3	4		Chang Bar
6300-01	Main Gear Box (MGB C.) Oil Pressure Indicating System (Main and Emergency)	В	1	0	May be inoper Box Cool Ligh	rative provided: Main Gear t is operative.	Τ
6321-01	Rotor Brake System	С	1	0	a) Rotor r stoppe exceed b) Rotor b	operative provided: must not be started or d when wind velocity ds 30 knots, and brake disk must be free.  Ke disk must be free and system must be and secured.	I
6321-02	Rotor Brake Pressure Warning System	С	1	0	(O) Rotor mus when wind vel (M) Rotor brak	rative provided: st not be started or stopped locity exceeds 30 knots.  ke disk must be free and system must be and secured.	I
6330-01 ***	Collective (ROTOR) Pitch Indicator	В	1	0	that do not rec	rative for flights/operations quire Category A and procedures.	l
6340-01	Main Rotor (NR) Tachometer	A	2	1	on the pilot's s  (O) If second I fails; utilize cu	be inoperative if indicator side is functioning.  Main Rotor Tachometer es from NR min/max and a scale, and do not use the n shutdown.	ı
6340-02	Main Gear Box Cool Light (MBG C.)	С	1	0		rative provided Main Gear Indicator is operative.	
6340-03	Main Gear Box Oil Temperature Indicator	С	1	0		rative provided all other m indicators and warnings	I

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	AVIATION ADMINISTRATION										
AIRCRAFT:		RE'			IO. 5	PAGE NO.					
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		MMEL TABLE KEY  1. REPAIR CATEGORY									
JASC		1. F				-D					
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ITEM NO.				3. ľ		UIRED FOR DISPATCH OR EXCEPTIONS					
73 ENGINE	FUEL AND CONTROL				4. KLIVIANNS	OR EXCEPTIONS					
					4	Change					
JASC Code	Item	1	2		4	Bar					
7300-01	Flow Indication System	D		0	May be inoper	rative.					

FEDERAL AVIATION ADMINISTRATION  AIRCRAFT: AS332C, AS332C1, AS332L, AS332L1, AS332L2  MMEL TABLE KEY  JASC CODE & ITEM ITEM NO.  75. AIR  JASC Code Item 1 2 3 4  7500-01 OFFSET Captions  B 2 0 (O) One or both may be inoperative provided: a) The Bleed Air Valves are checked operative, and b) The aircraft does not depart an airport where repairs can be made.	СТ
AIRCRAFT:	<b>3</b> I
MMEL TABLE KEY  JASC CODE & ITEM ITEM NO.  JASC Code Item  Toda It	
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JASC CODE & ITEM ITEM NO.  1. REPAIR CATEGORY 2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS  75. AIR  JASC Code Item 1 2 3 4  7500-01 OFFSET Captions  B 2 0 (O) One or both may be inoperative provided:  a) The Bleed Air Valves are checked operative, and b) The aircraft does not depart an airport where repairs can be	
TEM NO.    TEM	
TEM NO.  3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS  75. AIR  JASC Code Item 1 2 3 4 C1  7500-01 OFFSET Captions B 2 0 (O) One or both may be inoperative provided:  a) The Bleed Air Valves are checked operative, and b) The aircraft does not depart an airport where repairs can be	
75. AIR  JASC Code Item 1 2 3 4 C1  7500-01 OFFSET Captions B 2 0 (O) One or both may be inoperative provided:  a) The Bleed Air Valves are checked operative, and b) The aircraft does not depart an airport where repairs can be	
JASC Code     Item     1     2     3     4     CI       7500-01     OFFSET Captions     B     2     0     (O) One or both may be inoperative provided: <ul> <li>a) The Bleed Air Valves are checked operative, and</li> <li>b) The aircraft does not depart an airport where repairs can be</li> </ul>	
7500-01 OFFSET Captions  B 2 0 (O) One or both may be inoperative provided:  a) The Bleed Air Valves are checked operative, and b) The aircraft does not depart an airport where repairs can be	
provided:  a) The Bleed Air Valves are checked operative, and b) The aircraft does not depart an airport where repairs can be	hange Bar
	Bar

U.S. DEPAR	RTMENT OF TRANSPORTA	ATIO	N		MASTER MINIMUM EQUIPMENT	LIST					
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			MMEL TABLE KEY  1. REPAIR CATEGORY								
JASC		1. [			BER INSTALLED						
CODE &	ITEM		2. 1		NUMBER REQUIRED FOR DISPATCH	į.					
ITEM NO.			4. REMARKS OR EXCEPTIONS								
77. ENGINE	INDICATING	-		-							
JASC Code	Item	1	2	3	4	Change Bar					
7710-01	Torque Transmitting	В	2	1							
	System										
	(No. 1 Eng. No. 2 Eng.)										
7710-02	Torque Indicators	В	2	1	One may be inoperative provided:						
					a) Collective pitch indicator is	•					
					operative, and						
					<ul> <li>b) Aircraft shall not depart an airport where repairs can be</li> </ul>						
					made.						
			_								
7740-01	NF1/NF2 indications on	Α	2	1	One may be inoperative provided indicator on the pilot's side is functioning.						
	Triple Tachometer Indicator				indicator on the pilot's side is functioning.						
	maioatoi										

AS332L1, AS332L2  MMEL TABLE KEY	'9-1
AIRCRAFT: REVISION NO. 5 PAGE NO. AS332C, AS332C1, AS332L, AS332L1, AS332L2  MMEL TABLE KEY	'9-1
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1. REPAIR CATEGORY	
JASC 2 NUMBER INSTALLED	
ITEM NO 3. NUMBER REQUIRED FOR DIS	
4. REMARKS OR EXCEPTIO	ONS
79. ENGINE OIL	Change
JASC Code Item 1 2 3 4	Bar
7930-01 Engine Oil Chip Detection Warning Light  A 2 0 May be inoperative provide: a) The associated Engine Temperature Gauges a operative, and b) The associated T4 and gauges are operative, c) The associated mecha magnetic plugs are che of particle during the cl the last flight of the day repair is carried out.	e Oil are d NG and anical ecked free check after