

**CHAPTER - 05 HIGHLIGHTS
 (Summary of Changes)**

Revision No. TR05-18 May 29/18

TO: HOLDERS OF THE AIRCRAFT MAINTENANCE MANUAL (06-117751)

Pages that have been added or revised are summarized below. Remove and insert the affected pages as listed, and enter the above revision number with issue date into the Record of Revisions sheet.

This Temporary Revision incorporates and supersedes previously released temporary revisions for the chapters listed below.

Do not remove this page. Keep it in place as a record of previous changes.

CH/SE/SU Page Block No.	Description of Change
05-20-10 PgBlk 1	Replaced floor panel 131 CZ with 131 CZ-A and CZ 131-B due to ADS-B Installation (MB 500-34-030).
05-20-20 PgBlk 1	Replaced floor panel 131 CZ with 131 CZ-A and CZ 131-B due to ADS-B Installation (MB 500-34-030).
05-30-41 PgBlk 601	Replaced floor panel 131 CZ with 131 CZ-A and CZ 131-B due to ADS-B Installation (MB 500-34-030).

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300 HOUR/24 MONTH INSPECTION

AMM-05-20-10-081-801

1. General

- A. The following tasks are to be accomplished at an interval of each 300 flight hours or each 24 months, whichever comes first.

NOTE: The terms used in this checklist are defined in [AMM-05-20-00-081-801 – Scheduled Maintenance Checks](#).

- B. Refer to PWC EMM 05–20–00 for engine scheduled maintenance checks.

2. Job Set-Up

SUBTASK AMM-05-20-10-081-921-001

- A. Make aircraft safe for maintenance. Refer to [AMM-20-00-01-051-801 – Make Safe For Maintenance](#).
- B. Remove the access panels that follow:
- (1) 121 BZ - Floor Panel, Left Cockpit. Refer to [AMM-25-11-30-001-801 – Cockpit Floor Panels - Removal](#).
 - (2) 122 AZ - Floor Panel, Right Cockpit. Refer to [AMM-25-11-30-001-801 – Cockpit Floor Panels - Removal](#).
 - (3) 221 BZ - Left Lower Cockpit Sidewall Assembly. Refer to [AMM-25-11-20-001-801 – Cockpit Panels - Removal](#).
 - (4) 222 BZ - Right Lower Cockpit Sidewall Assembly. Refer to [AMM-25-11-20-001-801 – Cockpit Panels - Removal](#).
 - (5) 221 KZ - Cockpit Overhead Console. Refer to [AMM-25-21-21-001-801 – Overhead Console - Removal](#).
 - (6) 131 AZ - Floor Panel, Forward Left Cabin. Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal](#).
 - (7) 132 AZ - Floor Panel, Forward Right Cabin. Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal](#).
 - (8) 131 BZ - Floor Panel, Forward Cabin Center. Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal](#).
 - (9) 131 CZ - Floor Panel, Aft Left Cabin. Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal](#).
 - (10) 131 CZ-A - Floor Panel, Aft Long, Left Cabin (POST MB 500–34–30). Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal](#).

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- (11) 131 CZ-B - Floor Panel, Aft Short, Left Cabin (POST MB 500–34–30). Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal](#).
NOTE: Remove fasteners only. Leave floor panel in place. The GPS 3 (GDL88 Unit) is attached to the underside of the panel. Inspection can be accomplished by lifting the panel from the forward edge and rotating the panel aft. If removal is required, refer to [AMM-34-50-11-001-C-801 – GPS 3 - Removal](#) and [AMM-34-50-13-001-801 – GPS 3 Mount - Removal](#).
- (12) 131 DZ - Floor Panel, Aft Cabin Center. Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal](#).
- (13) 132 BZ - Floor Panel, Aft Right Cabin. Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal](#).
- (14) 231 MZ - Baggage Step Panel. Refer to [AMM-25-21-20-001-801 – Cabin Panels - Removal](#).
- (15) 231 NZ - Floor Panel, Baggage Compartment. Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal](#).
- (16) 231 KZ - Cabin Oxygen Box Cover. Refer to [AMM-27-51-10-041-801 – Flap Control Surface - Installation](#) for access panel location.
- (17) 231 LZ - Cabin Oxygen Box Cover. Refer to [AMM-27-51-10-041-801 – Flap Control Surface - Installation](#) for access panel location.
- (18) 231 JZ - Cabin Headliner Assembly. Refer to [AMM-25-21-20-001-801 – Cabin Panels - Removal](#).
- (19) 232 AZ - Right Upper Sidewall Panel. Refer to [AMM-25-21-20-001-801 – Cabin Panels - Removal](#).
- (20) 232 FZ - Right Lower Cabin Sidewall Assembly. Refer to [AMM-25-21-20-001-801 – Cabin Panels - Removal](#).
- (21) 241 JZ - Upper Door Panel. Refer to [AMM-25-21-23-001-801 – Upper Door Panel - Removal](#).
- (22) 241 HZ - Lower Cabin Door Panel Closeout. Refer to [AMM-06-50-00-051-801 – Aircraft Access Panels](#) for access panel location.
- (23) 231 FZ - Left Upper Sidewall Panel. Refer to [AMM-25-21-20-001-801 – Cabin Panels - Removal](#).
- (24) 231 AZ - Left Lower Cabin Sidewall Assembly. Refer to [AMM-25-21-20-001-801 – Cabin Panels - Removal](#).
- (25) 231 PZ - Aft Bulkhead Panel. Refer to [AMM-25-21-20-001-801 – Cabin Panels - Removal](#).
- (26) 231 HZ - APC/PDC Cover Panel. Refer to [AMM-25-21-20-001-801 – Cabin Panels - Removal](#).
- (27) 211 CT - Nose Access Panel. Refer to [AMM-53-10-11-001-801 – Nose Access Panel - Removal](#).

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- (28) 211 EL - Oxygen Service Door. Refer to [AMM-06-50-00-051-801 – Aircraft Access Panels](#) for access panel location.
 - (29) 211 JZ - Oxygen Bottle Cover. Refer to [AMM-06-50-00-051-801 – Aircraft Access Panels](#) for access panel location.
 - (30) 251 CL - Left Forward Wing-to-Body Fairing. Refer to [AMM-53-11-12-001-801 – Forward Wing to Body Fairing Assembly - Removal](#).
 - (31) 251 EL - Left Lower Wing-to-Body Fairing. Refer to [AMM-53-11-11-001-801 – Lower Wing to Body Fairing Assembly - Removal](#).
 - (32) 252 BR - Right Forward Wing-to-Body Fairing. Refer to [AMM-53-11-12-001-801 – Forward Wing to Body Fairing Assembly - Removal](#).
 - (33) 252 DR - Right Lower Wing-to-Body Fairing. Refer to [AMM-53-11-11-001-801 – Lower Wing to Body Fairing Assembly - Removal](#).
 - (34) 721 AL - Left Forward NLG Door. Refer to [AMM-52-81-10-001-801 – Nose Gear Forward Doors - Removal](#).
 - (35) 721 CR - Right Forward NLG Door. Refer to [AMM-52-81-10-001-801 – Nose Gear Forward Doors - Removal](#).
 - (36) 311 AL - Maintenance Bay Panel. Refer to [AMM-53-40-10-001-801 – Maintenance Bay Panel - Removal](#).
 - (37) 411 AT - Left Upper Nacelle Cowl. Refer to [AMM-54-20-21-001-801 – Upper Nacelle - Removal](#).
 - (38) 411 CB - Left Lower Nacelle Cowl. Refer to [AMM-54-20-22-001-801 – Lower Nacelle - Removal](#).
 - (39) 412 AT - Right Upper Nacelle Cowl. Refer to [AMM-54-20-21-001-801 – Upper Nacelle - Removal](#).
 - (40) 412 CB - Right Lower Nacelle Cowl. Refer to [AMM-54-20-22-001-801 – Lower Nacelle - Removal](#).
 - (41) 331 DT - Upper Overfin Fairing. Refer to [AMM-55-10-12-001-801 – Overfin Fairing - Removal](#).
 - (42) Engine Mount Insulating Covers. Refer to [AMM-06-50-00-051-801 – Aircraft Access Panels](#).

NOTE: If the fasteners removed from the exterior removable panels and fairings are replaced with unplated or uncoated stainless steel fasteners, there is an increased risk of galvanic corrosion of the fastener holes in the underlying aluminum structure. If unplated or uncoated fasteners have been installed in these locations, do a general visual inspection for corrosion of the fastener holes in the underlying aluminum structure. Refer to [AMM-20-10-00-051-801 – Corrosion](#).

3. Procedure

SUBTASK AMM-05-20-10-081-211-001

A. 300 Hour/24 Month Inspection

MODEL: EA500	
A/C SERIAL NO:	
A/C REGISTRATION NO:	
INSPECTION DUE TIME/DATE:	
INSPECTION START TIME/DATE:	
INSPECTION FINISH TIME/DATE:	
NOTE: Make sure that all of the inspection requirements have been completed and signed off.	

INSPECTION	MECH	INSP	DATE
PRE-INSPECTION CHECKS			
Compliance with Mandatory Service Bulletins is the responsibility of the Owner/Operator as a part of this inspection program. Perform a review of the aircraft records. Notify the operator of any due Mandatory Service Bulletins. Record any Mandatory Service Bulletins that are due and have not been completed in the aircraft logbooks.			
Check the displays for Crew Alerting System (CAS) messages. Any existing malfunctions must be repaired prior to doing this procedure.			
Check for freedom of movement of all flight and trim control surfaces.			
Do the PFD/MFD backlighting adjustment. Refer to AMM-31-10-00-071-801 – Displays and Control Panels - Adjustment/Test , SUBTASK AMM-31-10-00-071-A B C-701-023, where X is A, B, or C.			
Do a functional check of the DSU, flight history file off load and DSU data transfer. Refer to AMM-31-30-00-071-801 – Aircraft Recorders - Adjustment/Test .			
Do an operational check of the single left and single right aircraft computer system. Refer to AMM-31-40-00-071-801 – Aircraft Computer Systems - Adjustment/Test , SUBTASK AMM-31-40-00-071-701-001 and -002.			

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INSPECTION	MECH	INSP	DATE
For aircraft 0001-0265 POST SB 500-99-005 and 0266-9999, do a functional check of the flow control valve. Refer to AMM-21-40-20-071-801 – Flow Control Valve (FCV) - Adjustment/Test .			
Do an operational check of the smoke clearing function of the cabin pressurization system. Refer to AMM-21-30-05-071-801 – CPCS Smoke Clearing - Adjustment/Test .			
Do an operational check of the dual generator load shed function and the electrical smoke clearing function. Refer to AMM-24-60-00-071-801 – Electrical Power Distribution System Modes - Adjustment/Test .			
Do an operational check of the wing and stabilizer deice system. Refer to AMM-30-10-10-071-801 – Airfoil Deice System - Adjustment/Test , SUBTASK AMM-30-10-10-071-781-002 .			
INSPECTION/CHECK			
Do a general visual inspection of the cabin and cockpit. Refer to AMM-05-30-40-021-801 – Cockpit And Cabin Equipment Zonal Inspection .			
Do a general visual inspection of the cabin. Refer to AMM-05-30-41-021-801 – Cabin Zonal Inspection .			
Do a general visual inspection of the cockpit. Refer to AMM-05-30-42-021-801 – Cockpit Zonal Inspection .			
Perform a general visual inspection for condition and security of the windshield resistive strips. Inspect for damage to, or exposure of, inner (dark resistive) layer. Inspect for areas where the strip may have peeled away from the windshield surface. <u>NOTE:</u> This check required for aircraft 0001-0265 post SB 500-56-002 and 0266-9999.			
Do a general visual inspection of the forward fuselage bay. Refer to AMM-05-30-20-021-801 – Forward Fuselage Zonal Inspection .			
Do a general visual inspection of the nose landing gear. Refer to AMM-32-20-00-021-801 – Nose Gear and Doors - Inspection/Check .			
Do a general visual inspection of the steering mechanism. Refer to AMM-32-50-00-021-801 – Steering - Inspection/Check .			
Do a general visual inspection of the exterior center section of the fuselage. Refer to AMM-05-30-50-021-801 – Fuselage Center Section Exterior Zonal Inspection .			
Do a general visual inspection of the left and right wing. Refer to AMM-05-30-30-021-801 – Wings Zonal Inspection .			

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INSPECTION	MECH	INSP	DATE
Do a general visual inspection of left and right main landing gear. Refer to AMM-32-10-00-021-801 – Main Gear and Doors - Inspection/Check .			
Do a general visual inspection of the left and right brakes. Refer to AMM-32-41-15-021-801 – Main Landing Gear Brake Assembly - Inspection/Check .			
Do a general visual inspection of the aft fuselage and aft equipment bay. Refer to AMM-05-30-60-021-801 – Aft Fuselage Zonal Inspection .			
Do a general visual inspection of the engine and pylon. Refer to AMM-05-30-80-021-801 – Engine/Pylon Zonal Inspection .			
Do a general visual inspection of the empennage. Refer to AMM-05-30-70-021-801 – Empennage Zonal Inspection .			
OPERATIONAL/FUNCTIONAL CHECKS			
Perform the Dual Power Source Test for Avionics. Refer to AMM-24-00-00-071-801 – Electrical Power - Adjustment/Test..			
Drain the pitot/AOA probe and static systems. Refer to AMM-34-10-00-061-801 – Flight Environment Data - Servicing .			
Do a functional check of the air data system. Refer to AMM-34-10-00-071-801 – Flight Environment Data - Adjustment/ Test . <u>NOTE:</u> This functional test is not required for each 300 hour inspection interval (high usage) but it must be completed once each 24 calendar month interval as required per FAR part 91.411.			
Do a test of the static ports, pitot/AOA probes, standby pitot/static probe, and anti-ice system. Refer to AMM-30-30-00-071-801 – Pitot and Static Anti-Ice System - Adjustment/Test .			
Do an operational check of the stick pusher. Refer to AMM-22-00-00-071-801 – Auto Flight System - Adjustment/Test , SUBTASK AMM-22-00-00-071-701-001 .			
Do a operational check of the fire detection system. Refer to AMM-26-10-00-071-801 – Fire Detection Wire - Adjustment/Test .			
Do a functional check of the passenger oxygen system deployment. Refer to AMM-35-00-00-071-801 – Oxygen System - Adjustment/ Test .			

INSPECTION	MECH	INSP	DATE
Do a operational check of the right battery bus contactor of the forward power distribution center. Refer to AMM-24-60-10-071-801 – Forward Power Distribution Center - Adjustment/Test . NOTE: This check is only required for Avidyne equipped aircraft that do not have SB 500-31-006 incorporated.			
Do a tension check of all flight control cables. Refer to AMM-27-00-01-071-801 – Flight Controls - Adjustment/Test (Rigging) . NOTE: Completion of the entire rigging task is not required. Only do the cable tension check steps identified as scheduled maintenance in the task.			
Do a functional check of the landing gear extension/retraction system. Refer to AMM-32-30-00-071-801 – Extension and Retraction - Adjustment/Test .			
SERVICING			
Do a servicing of the brake reservoir as necessary. Refer to AMM-12-10-02-061-801 – Brake - Servicing .			
Do a servicing of the tires. Refer to AMM-12-10-04-061-801 – Tires - Servicing .			
Do a servicing of the landing gear struts. Refer to AMM-12-10-06-061-801 – Landing Gear - Servicing .			
Do a servicing of the wheel bearings. Refer to AMM-12-20-05-061-801 – Wheel Bearing - Servicing .			
Brush or spray on the Corrosion Preventative Lubricant ZIP-Chem D-5026NS or equivalent to MIL-PRF-81309, Type II, class 1 or 2 to the landing gear components. Refer to AMM-12-20-04-011-801 – Landing Gear Corrosion Preventative - Servicing .			
POST INSPECTION CHECKS			
Do the post inspection checks. Refer to AMM-05-30-90-021-801 – Post Inspection Checks .			

4. Job Close-Up

SUBTASK AMM-05-20-10-081-921-002

- A. Remove all tools, equipment and unwanted material from work area.
- B. Install the access panels that follow:
 - (1) 121 BZ - Floor Panel, Left Cockpit. Refer to [AMM-25-11-30-041-801 – Cockpit Floor Panels - Installation](#).

- (2) 122 AZ - Floor Panel, Right Cockpit. Refer to [AMM-25-11-30-041-801 – Cockpit Floor Panels - Installation](#).
- (3) 221 BZ - Left Lower Cockpit Sidewall Assembly. Refer to [AMM-25-11-20-041-801 – Cockpit Panels - Installation](#).
- (4) 222 BZ - Right Lower Cockpit Sidewall Assembly. Refer to [AMM-25-11-20-041-801 – Cockpit Panels - Installation](#).
- (5) 221 KZ - Cockpit Overhead Console. Refer to [AMM-25-21-21-041-801 – Overhead Console - Installation](#).
- (6) 131 AZ - Floor Panel, Forward Left Cabin. Refer to [AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
- (7) 132 AZ - Floor Panel, Forward Right Cabin. Refer to [AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
- (8) 131 BZ - Floor Panel, Forward Cabin Center. Refer to [AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
- (9) 131 CZ - Floor Panel, Aft Left Cabin. Refer to [AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
- (10) 131 CZ-A - Floor Panel, Aft Long, Left Cabin (POST MB 500–34–30). Refer to [AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
- (11) 131 CZ-B - Floor Panel, Aft Short, Left Cabin (POST MB 500–34–30). Refer to [AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
- (12) 131 DZ - Floor Panel, Aft Cabin Center. Refer to [AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
- (13) 132 BZ - Floor Panel, Aft Right Cabin. Refer to [AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
- (14) 231 MZ - Baggage Step Panel. Refer to [AMM-25-21-20-041-801 – Cabin Panels - Installation](#).
- (15) 231 NZ - Floor Panel, Baggage Compartment. Refer to [AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
- (16) 231 KZ - Cabin Oxygen Box Cover. Refer to [AMM-06-50-00-051-801 – Aircraft Access Panels](#) for access panel location.
- (17) 231 LZ - Cabin Oxygen Box Cover. Refer to [AMM-06-50-00-051-801 – Aircraft Access Panels](#) for access panel location.
- (18) 231 JZ - Cabin Headliner Assembly. Refer to [AMM-25-21-20-041-801 – Cabin Panels - Installation](#).
- (19) 232 AZ - Right Upper Sidewall Panel. Refer to [AMM-25-21-20-041-801 – Cabin Panels - Installation](#).
- (20) 232 FZ - Right Lower Cabin Sidewall Assembly. Refer to [AMM-25-21-20-041-801 – Cabin Panels - Installation](#).

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- (21) 241 JZ - Upper Door Panel. Refer to [AMM-25-21-23-041-801 – Upper Door Panel - Installation](#).
 - (22) 241 HZ - Lower Cabin Door Panel Closeout. Refer to [AMM-06-50-00-051-801 – Aircraft Access Panels](#) for access panel location.
 - (23) 231 FZ - Left Upper Sidewall Panel. Refer to [AMM-25-21-20-041-801 – Cabin Panels - Installation](#).
 - (24) 231 AZ - Left Lower Cabin Sidewall Assembly. Refer to [AMM-25-21-20-041-801 – Cabin Panels - Installation](#).
 - (25) 231 PZ - Aft Bulkhead Panel. Refer to [AMM-25-21-20-041-801 – Cabin Panels - Installation](#).
 - (26) 231 HZ - APC/PDC Cover Panel. Refer to [AMM-25-21-20-041-801 – Cabin Panels - Installation](#).
 - (27) 211 CT - Nose Access Panel. Refer to [AMM-53-10-11-041-801 – Nose Access Panel - Installation](#).
 - (28) 211 EL - Oxygen Service Door. Refer to [AMM-06-50-00-051-801 – Aircraft Access Panels](#) for access panel location.
 - (29) 211 JZ - Oxygen Bottle Cover. Refer to [AMM-06-50-00-051-801 – Aircraft Access Panels](#) for access panel location.
 - (30) 251 CL - Left Forward Wing-to-Body Fairing. Refer to [AMM-53-11-12-001-801 – Forward Wing to Body Fairing Assembly - Removal](#).
 - (31) 251 EL - Left Lower Wing-to-Body Fairing. Refer to [AMM-53-11-11-041-801 – Lower Wing to Body Fairing Assembly - Installation](#).
 - (32) 252 BR - Right Forward Wing-to-Body Fairing. Refer to [AMM-53-11-12-041-801 – Forward Wing to Body Fairing Assembly - Installation](#).
 - (33) 252 DR - Right Lower Wing-to-Body Fairing. Refer to [AMM-53-11-11-041-801 – Lower Wing to Body Fairing Assembly - Installation](#).
 - (34) 721 AL - Left Forward NLG Door. Refer to [AMM-52-81-10-041-801 – Nose Gear Forward Doors - Installation](#).
 - (35) 721 CR - Right Forward NLG Door. Refer to [AMM-52-81-10-041-801 – Nose Gear Forward Doors - Installation](#).
 - (36) 311 AL - Maintenance Bay Panel. Refer to [AMM-53-40-10-041-801 – Maintenance Bay Panel - Installation](#).
 - (37) 411 AT - Left Upper Nacelle Cowl. Refer to [AMM-54-20-21-041-801 – Upper Nacelle - Installation](#).
 - (38) 411 CB - Left Lower Nacelle Cowl. Refer to [AMM-54-20-22-041-801 – Lower Nacelle - Installation](#).
 - (39) 412 AT - Right Upper Nacelle Cowl. Refer to [AMM-54-20-21-041-801 – Upper Nacelle - Installation](#).

- (40) 412 CB - Right Lower Nacelle Cowl. Refer to [AMM-54-20-22-041-801 – Lower Nacelle - Installation](#).
 - (41) 331 DT - Upper Overfin Fairing. Refer to [AMM-55-10-12-041-801 – Overfin Fairing - Installation](#).
 - (42) Engine Mount Insulating Covers. Refer to [AMM-06-50-00-051-801 – Aircraft Access Panels](#).
- C. If all other maintenance is complete, return aircraft to service. Refer to [AMM-20-00-02-051-801 – Return To Service \(After Maintenance\)](#).

1200 HOUR/48 MONTH INSPECTION

AMM-05-20-20-081-801

1. General

- A. The following tasks are to be accomplished at an interval of each 1200 flight hours or each 48 months, whichever comes first.

NOTE: This 1200 hour/48 month inspection does not include the 300 hour/24 month inspection tasks. The 300 hour/24 month inspection requirements are independent of the 1200 hour/48 month inspection. For 300 hour/24 month inspection details, refer to [AMM-05-20-10-081-801 – 300 Hour/24 Month Inspection](#).

NOTE: The terms used in this checklist are defined in [AMM-05-20-00-081-801 – Scheduled Maintenance Checks](#).

- B. Refer to PWC EMM 05-20-00 for engine scheduled maintenance checks.

2. Job Set-Up

SUBTASK AMM-05-20-20-081-211-001

- A. Make aircraft safe for maintenance. Refer to [AMM-20-00-01-051-801 – Make Safe For Maintenance](#).
- B. Remove the crew seats. Refer to [AMM-25-11-10-001-801 – Cockpit Seat - Removal](#).
- C. Remove the passenger seats. Refer to [AMM-25-21-10-001-801 – Passenger Seat - Removal](#).
- D. Remove the access panels that follow:
- (1) Remove 121 BZ - Floor Panel, Left Cockpit. Refer to [AMM-25-11-30-001-801 – Cockpit Floor Panels - Removal](#).
 - (2) Remove 122 AZ - Floor Panel, Right Cockpit. Refer to [AMM-25-11-30-001-801 – Cockpit Floor Panels - Removal](#).
 - (3) Remove 221 BZ - Left Lower Cockpit Sidewall Assembly. Refer to [AMM-25-11-20-001-801 – Cockpit Panels - Removal](#).
 - (4) Remove 222 BZ - Right Lower Cockpit Sidewall Assembly. Refer to [AMM-25-11-20-001-801 – Cockpit Panels - Removal](#).
 - (5) Remove 221 LZ - Cockpit Headliner. Refer to [AMM-25-11-20-001-801 – Cockpit Panels - Removal](#).
 - (6) Remove 131 AZ - Floor Panel, Forward Left Cabin. Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal](#).
 - (7) Remove 132 AZ - Floor Panel, Forward Right Cabin. Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal](#).

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- (8) Remove 131 BZ - Floor Panel, Forward Cabin Center. Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal](#).
- (9) Remove 131 CZ - Floor Panel, Aft Left Cabin. Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal](#).
- (10) Remove 131 CZ-A - Floor Panel, Aft Long, Left Cabin (POST MB 500–34–30). Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal](#).
- (11) Remove 131 CZ-B - Floor Panel, Aft Short, Left Cabin (POST MB 500–34–30). Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal](#).

NOTE: Remove fasteners only. Leave floor panel in place. The GPS 3 (GDL88 Unit) is attached to the underside of the panel. Inspection can be accomplished by lifting the panel from the forward edge and rotating the panel aft. If removal is required, refer to [AMM-34-50-11-001-C-801 – GPS 3 - Removal](#) and [AMM-34-50-13-001-801 – GPS 3 Mount - Removal](#).
- (12) Remove 131 DZ - Floor Panel, Aft Cabin Center. Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal](#).
- (13) Remove 132 BZ - Floor Panel, Aft Right Cabin. Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal](#).
- (14) Remove 231 MZ - Baggage Step Panel. Refer to [AMM-25-21-20-001-801 – Cabin Panels - Removal](#).
- (15) Remove 231 NZ - Floor Panel, Baggage Compartment. Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal](#).
- (16) Remove 241 HZ - Lower Cabin Door Panel Closeout. Refer to [AMM-25-21-22-001-801 – Lower Door Panel - Removal](#).
- (17) 251 EL - Left Lower Wing-to-Body Fairing. Refer to [AMM-53-11-11-001-801 – Lower Wing to Body Fairing Assembly - Removal](#).
- (18) 252 DR - Right Lower Wing-to-Body Fairing. Refer to [AMM-53-11-11-001-801 – Lower Wing to Body Fairing Assembly - Removal](#).
- (19) Remove 251 CL - Left Forward Wing-to-Body Fairing. Refer to [AMM-53-11-12-001-801 – Forward Wing to Body Fairing Assembly - Removal](#).
- (20) Remove 252 BR - Right Forward Wing-to-Body Fairing. Refer to [AMM-53-11-12-001-801 – Forward Wing to Body Fairing Assembly - Removal](#).
- (21) Remove 251 FL - Left Aft Wing-to-Body Fairing. Refer to [AMM-53-11-13-001-801 – Aft Wing To Body Fairing - Removal](#).
- (22) Remove 252 EL - Right Aft Wing-to-Body Fairing. Refer to [AMM-53-11-13-001-801 – Aft Wing To Body Fairing - Removal](#).
- (23) Remove 511 HB - Left Main Landing Gear Access Panel. Refer to [AMM-06-50-00-051-801 – Aircraft Access Panels](#) for access panel location.
- (24) Remove 612 HB - Outboard Flap Actuator Panel. Refer to [AMM-06-50-00-051-801 – Aircraft Access Panels](#) for access panel location.

- (25) Remove 311 AL - Maintenance Bay Panel. Refer to [AMM-53-40-10-001-801 – Maintenance Bay Panel - Removal](#).
- (26) Remove 321 BT - Vertical Leading Edge. Refer to [AMM-55-30-12-001-801 – Vertical Stabilizer Leading Edge Fairing - Removal](#).
- (27) Remove 321 DB - Vertical Access Panel. Refer to [AMM-55-30-13-001-801 – Vertical Stabilizer Lower Access Panel - Removal](#).
- (28) Remove 331 DT - Upper Overfin Fairing. Refer to [AMM-55-10-12-001-801 – Overfin Fairing - Removal](#).
- (29) Remove 311 EL - Left Pylon Leading Edge. Refer to [AMM-54-30-11-001-801 – Leading Edge Pylon Skin - Removal](#).
- (30) Remove 312 BR - Right Pylon Leading Edge. Refer to [AMM-54-30-11-001-801 – Leading Edge Pylon Skin - Removal](#).

3. Procedure

SUBTASK AMM-05-20-20-081-211-002

A. 1200 Hour/48 Month Inspection

MODEL: EA500	
A/C SERIAL NO:	
A/C REGISTRATION NO:	
INSPECTION DUE TIME/DATE:	
INSPECTION START TIME/DATE:	
INSPECTION FINISH TIME/DATE:	
NOTE: Make sure that all of the inspection requirements have been completed and signed off.	

INSPECTION	MECH	INSP	DATE
PRE-INSPECTION CHECKS			
Do an operational check of the engine intake anti-ice system. Refer to AMM-30-20-10-071-801 – Engine Inlet Anti-Ice - Adjustment/Test .			
Do an operational check of the windshield anti-ice system. Refer to AMM-30-40-00-071-801 – Windshield Heat System - Adjustment/Test .			
Do an operational check of the VCS system. Refer to AMM-21-00-00-071-801 – Air Conditioning - Adjustment/Test .			

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INSPECTION	MECH	INSP	DATE
INSPECTION/CHECK			
Do a detailed visual inspection of the External Power Receptacle. Refer to AMM-24-40-11-021-801 – External Power Receptacle - Inspection/Check .			
Do a detailed visual inspection of the entrance stairs. Refer to AMM-52-60-00-021-801 – Entrance Stairs - Inspection/Check .			
Do a detailed visual inspection of the aileron control system. Refer to AMM-27-10-00-021-801 – Aileron - Inspection/Check , SUBTASK AMM-27-10-00-021-221-002.			
Do a detailed visual inspection of the rudder control system. Refer to AMM-27-20-00-021-801 – Rudder and Tab - Inspection/Check , SUBTASK AMM-27-20-00-021-221-002.			
Do a detailed visual inspection of the elevator control system. Refer to AMM-27-30-00-021-801 – Elevator and Tab - Inspection/Check , SUBTASK AMM-27-30-00-021-221-002.			
Do a detailed visual inspection of the flap control system. Refer to AMM-27-50-00-021-801 – Flaps - Inspection/Check , SUBTASK AMM-27-50-00-021-221-002.			
Do a detailed visual inspection of the airfoil deice system. Refer to AMM-30-10-10-021-801 – Airfoil Deice System - Inspection/Check , SUBTASK AMM-30-10-10-021-X-221-002, where X is A or B.			
Do a detailed visual inspection of the fuel system. Refer to AMM-28-00-00-021-801 – Fuel System - Inspection/Check , SUBTASK AMM-28-00-00-021-X-201-002, where X is A or B.			
Do a general visual inspection of the exterior center section of the fuselage. Refer to AMM-05-30-50-021-801 – Fuselage Center Section Exterior Zonal Inspection . NOTE: Requires the removal and inspection under the access panels indicated for a 1200 hour inspection.			
Do a detailed visual inspection of the landing gear extension/retraction system. Refer to AMM-32-30-00-021-801 – Extension and Retraction - Inspection/Check .			
Do a general visual inspection of the Aft fuselage area. Refer to AMM-05-30-60-021-801 – Aft Fuselage Zonal Inspection . NOTE: Requires the removal and inspection under the access panels indicated for a 1200 hour inspection.			

INSPECTION	MECH	INSP	DATE
Do a general visual inspection of the empennage. Refer to AMM-05-30-70-021-801 – Empennage Zonal Inspection . NOTE: Requires the removal and inspection under the access panels indicated for a 1200 hour inspection.			
Do a detailed visual inspection cockpit and cabin VCS cooling system components. Refer to AMM-21-50-00-021-801 – Cooling System - Inspection/Check .			
Do a general visual inspection of the static dischargers. Refer to AMM-23-60-00-021-801 – Static Discharging - Inspection/Check .			
Do a resistance check of the static dischargers. Refer to AMM-23-60-00-071-801 – Static Discharging - Adjustment/Test .			
OPERATIONAL/FUNCTIONAL CHECKS			
Do a functional check of the pressurization system. Refer to AMM-21-30-00-071-801 – Cabin Pressurization Control System - Adjustment/Test .			
Do a functional check of the ILS system. Refer to AMM-34-30-00-071-801 – Landing and Taxiing Aids - Adjustment/Test .			
Do a functional check of the flight control system. Refer to AMM-27-00-00-071-801 – Flight Controls - Adjustment/Test (Functional Check) .			
Do a functional check of the fire extinguisher cartridge control system. Refer to AMM-26-20-00-071-801 – Fire Extinguisher Cartridge Control - Adjustment/Test .			
SERVICING			
Replace the filter of the secondary outflow valve. Refer to AMM-21-30-14-001-801 – Secondary CPCS Outflow Valve Filter - Removal .			
On aircraft with AVIO NG Electronic Flight Instrument System installed, remove the transponder cooling blower filter. Refer to AMM-34-50-25-001-801 – Transponder Cooling Blower Filter - Removal . Clean the filter using a vacuum or compressed air. Check the filter for general condition. Replace if necessary. Install the transponder cooling blower filter. Refer to AMM-34-50-25-041-801 – Transponder Cooling Blower Filter - Installation .			
POST INSPECTION CHECKS			

INSPECTION	MECH	INSP	DATE
Do the post inspection checks. Refer to AMM-05-30-90-021-801 – Post Inspection Checks .			

4. **Job Close-Up**

SUBTASK AMM-05-20-20-081-921-002

- A. Remove all tools, equipment and unwanted material from work area.
- B. Install the access panels that follow:
 - (1) Install 121 BZ - Floor Panel, Left Cockpit. Refer to [AMM-25-11-30-041-801 – Cockpit Floor Panels - Installation](#).
 - (2) Install 122 AZ - Floor Panel, Right Cockpit. Refer to [AMM-25-11-30-041-801 – Cockpit Floor Panels - Installation](#).
 - (3) Install 221 BZ - Left Lower Cockpit Sidewall Assembly. Refer to [AMM-25-11-20-041-801 – Cockpit Panels - Installation](#).
 - (4) Install 222 BZ - Right Lower Cockpit Sidewall Assembly. Refer to [AMM-25-11-20-041-801 – Cockpit Panels - Installation](#).
 - (5) Install 221 LZ - Cockpit Headliner. Refer to [AMM-25-11-20-041-801 – Cockpit Panels - Installation](#).
 - (6) Install 131 AZ - Floor Panel, Forward Left Cabin. Refer to [AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
 - (7) Install 132 AZ - Floor Panel, Forward Right Cabin. Refer to [AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
 - (8) Install 131 BZ - Floor Panel, Forward Cabin Center. Refer to [AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
 - (9) Install 131 CZ - Floor Panel, Aft Left Cabin. Refer to [AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
 - (10) Install 131 CZ-A - Floor Panel, Aft Long, Left Cabin (POST MB 500–34–30). Refer to [AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
 - (11) Install 131 CZ-B - Floor Panel, Aft Short, Left Cabin (POST MB 500–34–30). Refer to [AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
 - (12) Install 131 DZ - Floor Panel, Aft Cabin Center. Refer to [AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
 - (13) Install 132 BZ - Floor Panel, Aft Right Cabin. Refer to [AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
 - (14) Install 231 MZ - Baggage Step Panel. Refer to [AMM-25-21-20-041-801 – Cabin Panels - Installation](#).
 - (15) Install 231 NZ - Floor Panel, Baggage Compartment. Refer to [AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
 - (16) Install 241 HZ - Lower Cabin Door Panel Closeout. Refer to [AMM-06-50-00-051-801 – Aircraft Access Panels](#) for access panel location.
 - (17) Install 251 CL - Left Forward Wing-to-Body Fairing. Refer to [AMM-53-11-12-041-801 – Forward Wing to Body Fairing Assembly - Installation](#).

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- (18) Install 252 BR - Right Forward Wing-to-Body Fairing. Refer to [AMM-53-11-12-041-801 – Forward Wing to Body Fairing Assembly - Installation](#).
 - (19) 251 EL - Left Lower Wing-to-Body Fairing. Refer to [AMM-53-11-11-041-801 – Lower Wing to Body Fairing Assembly - Installation](#).
 - (20) 252 DR - Right Lower Wing-to-Body Fairing. Refer to [AMM-53-11-11-041-801 – Lower Wing to Body Fairing Assembly - Installation](#).
 - (21) Install 251 FL - Left Aft Wing-to-Body Fairing. Refer to [AMM-53-11-13-041-801 – Aft Wing To Body Fairing - Installation](#).
 - (22) Install 252 EL - Right Aft Wing-to-Body Fairing. Refer to [AMM-53-11-13-041-801 – Aft Wing To Body Fairing - Installation](#).
 - (23) Install 511 HB - Left Main Landing Gear Access Panel. Refer to [AMM-06-50-00-051-801 – Aircraft Access Panels](#) for access panel location.
 - (24) Install 612 HB - Outboard Flap Actuator Panel. Refer to [AMM-06-50-00-051-801 – Aircraft Access Panels](#) for access panel location.
 - (25) Install 311 AL - Maintenance Bay Panel. Refer to [AMM-53-40-10-041-801 – Maintenance Bay Panel - Installation](#).
 - (26) Install 321 BT - Vertical Leading Edge. Refer to [AMM-55-30-12-041-801 – Vertical Stabilizer Leading Edge Fairing - Installation](#).
 - (27) Install 321 DB - Vertical Access Panel. Refer to [AMM-55-30-13-041-801 – Vertical Stabilizer Lower Access Panel - Installation](#).
 - (28) Install 331 DT - Upper Overfin Fairing. Refer to [AMM-55-10-12-041-801 – Overfin Fairing - Installation](#).
 - (29) Install 311 EL - Left Pylon Leading Edge. Refer to [AMM-54-30-11-041-801 – Leading Edge Pylon Skin - Installation](#).
 - (30) Install 312 BR - Right Pylon Leading Edge. Refer to [AMM-54-30-11-041-801 – Leading Edge Pylon Skin - Installation](#).
- C. Install the crew seats. Refer to [AMM-25-11-10-041-801 – Cockpit Seat - Installation](#).
 - D. Install the passenger seats. Refer to [AMM-25-21-10-041-801 – Passenger Seat - Installation](#).
 - E. If all other maintenance is complete, return aircraft to service. Refer to [AMM-20-00-02-051-801 – Return To Service \(After Maintenance\)](#).

CABIN ZONAL INSPECTION

AMM-05-30-41-021-801

1. General

- A. This task describes the zonal inspection procedures for the cabin zonal inspection.
- B. This inspection is to be done on the components and structures visible with the access listed below.

NOTE: The terms used in the following checklist are defined in [AMM-05-20-00-081-801 – Scheduled Maintenance Checks](#).

- C. This inspection includes lightning/high intensity radiated field (L/HIRF) requirements.

2. Required Access

SUBTASK AMM-05-30-41-021-921-001

- A. Passenger seats removed.
- B. 131 AZ - Floor Panel, Forward Left Cabin. Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal & AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
- C. 132 AZ - Floor Panel, Forward Right Cabin. Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal & AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
- D. 131 BZ - Floor Panel, Forward Cabin Center. Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal & AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
- E. 131 CZ - Floor Panel, Aft Left Cabin. Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal & AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
- F. 131 CZ-A - Floor Panel, Aft Long, Left Cabin (POST MB 500–34–030). Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal & AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).
- G. 131 CZ-B - Floor Panel, Aft Short, Left Cabin (POST MB 500–34–030). Refer to [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal & AMM-25-21-30-041-801 – Cabin Floor Panels - Installation](#).

NOTE: Remove fasteners only. Leave floor panel in place. The GPS 3 (GDL88 Unit) is attached to the underside of the panel. Inspection can be accomplished by lifting the panel from the forward edge and rotating the panel aft. If removal is required, refer to [AMM-34-50-11-001-C-801 – GPS 3 - Removal](#) and [AMM-34-50-13-001-801 – GPS 3 Mount - Removal](#).

- H. 131 DZ - Floor Panel, Aft Cabin Center. Refer to

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- [AMM-25-21-30-001-801 – Cabin Floor Panels - Removal &](#)
[AMM-25-21-30-041-801 – Cabin Floor Panels - Installation.](#)
- I. 132 BZ - Floor Panel, Aft Right Cabin. Refer to
[AMM-25-21-30-001-801 – Cabin Floor Panels - Removal &](#)
[AMM-25-21-30-041-801 – Cabin Floor Panels - Installation.](#)
- J. 231 NZ - Floor Panel, Baggage Compartment. Refer to
[AMM-25-21-30-001-801 – Cabin Floor Panels - Removal &](#)
[AMM-25-21-30-041-801 – Cabin Floor Panels - Installation.](#)
- K. 231 MZ - Baggage Step Panel. Refer to
[AMM-25-21-20-001-801 – Cabin Panels - Removal &](#)
[AMM-25-21-20-041-801 – Cabin Panels - Installation.](#)
- L. 231 NZ - Floor Panel, Baggage Compartment. Refer to
[AMM-25-21-30-001-801 – Cabin Floor Panels - Removal &](#)
[AMM-25-21-30-041-801 – Cabin Floor Panels - Installation.](#)
- M. 231 KZ - Cabin Oxygen Box Cover. Refer to
[AMM-06-50-00-051-801 – Aircraft Access Panels.](#)
- N. 231 LZ - Cabin Oxygen Box Cover. Refer to
[AMM-06-50-00-051-801 – Aircraft Access Panels.](#)
- O. 231 JZ - Cabin Headliner Assembly. Refer to
[AMM-25-21-20-001-801 – Cabin Panels - Removal &](#)
[AMM-25-21-20-041-801 – Cabin Panels - Installation.](#)
- P. 232 AZ - Right Upper Sidewall Panel. Refer to
[AMM-25-21-20-001-801 – Cabin Panels - Removal &](#)
[AMM-25-21-20-041-801 – Cabin Panels - Installation.](#)
- Q. 232 FZ - Right Lower Cabin Sidewall Assembly. Refer to
[AMM-25-21-20-001-801 – Cabin Panels - Removal &](#)
[AMM-25-21-20-041-801 – Cabin Panels - Installation.](#)
- R. 241 JZ - Upper Door Panel. Refer to
[AMM-25-21-23-001-801 – Upper Door Panel - Removal &](#)
[AMM-25-21-23-041-801 – Upper Door Panel - Installation.](#)
- S. 231 FZ - Left Upper Sidewall Panel. Refer to
[AMM-25-21-20-001-801 – Cabin Panels - Removal &](#)
[AMM-25-21-20-041-801 – Cabin Panels - Installation.](#)
- T. 231 AZ - Left Lower Cabin Sidewall Assembly. Refer to
[AMM-25-21-20-001-801 – Cabin Panels - Removal &](#)
[AMM-25-21-20-041-801 – Cabin Panels - Installation.](#)
- U. 231 PZ - Aft Bulkhead Panel. Refer to
[AMM-25-21-20-001-801 – Cabin Panels - Removal &](#)
[AMM-25-21-20-041-801 – Cabin Panels - Installation.](#)

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- V. 231 HZ - APC/PDC Cover Panel. Refer to
[AMM-25-21-20-001-801 – Cabin Panels - Removal &](#)
[AMM-25-21-20-041-801 – Cabin Panels - Installation.](#)

3. **Procedure**

SUBTASK AMM-05-30-41-021-211-001

- A. Do a General Visual Inspection (GVI) of the cabin paying particular attention to the following:
- (1) All structure visible under the cabin sidewalls and ceiling for any evidence of damage, distortion or corrosion.
 - (2) All visible structure for any evidence of damage, distortion or corrosion.
 - (3) All wiring/wire bundles for condition and security. Check for proper attachment and clearance from structure and components.
 - (4) All control cables for condition, wear, fraying strands, and security of swage fittings. Check cable runs for pulley wear, proper attachment, security, condition of cable retainers, and clearance from structure and components.
 - (5) All control pushrods, bellcranks, sectors and pulleys for condition and security.
 - (6) Seat rails for general condition and cleanliness.
 - (7) Primary and secondary outflow valves and associated wiring and tubing for condition, security and cleanliness.
 - (8) Emergency extension release mechanism and cable for condition and security.
 - (9) Parking brake valve and cable for condition and security.
 - (10) Cabin passenger oxygen mask containers for condition and security.

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