
CHAPTER - 04 HIGHLIGHTS
(Summary of Changes)*Revision No. 020 Feb 24/17*

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

This revision is a complete reissue of the Aircraft Maintenance Manual and all pages have been reissued.

Numerous typographical, grammar, simplified English, and/or format corrections have been made.

Changes of technical material are described below and are indicated in the text pages by revision bars in the margin adjacent to the change.

CH/SE/SU Page Block No.	Description of Change
04-00-00 PgBlk 1	Updated to include new PPG windshields per 06-117751-TR04-2.
04-00-00 PgBlk 1	Consolidated duplicated notes into a single footnote.
04-00-00 PgBlk 1	Clarified Engine Fire Extinguisher Canister Limitations to: "Discard – 8 years from date of installation or 10 years from date of manufacture (whichever occurs first)".
04-00-00 PgBlk 1	Updated to include optional Life Extension Program and remove life limits for PPG glass windshields.

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CHAPTER 04 - AIRWORTHINESS LIMITATIONS**LIST OF EFFECTIVE PAGES**

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CHAPTER 04 - AIRWORTHINESS LIMITATIONS

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AIRWORTHINESS LIMITATIONS

AMM-04-00-00-081-801

1. General

SUBTASK AMM-04-00-00-081-211-001

A. Airworthiness limitations

(1) General

- (a) **The Airworthiness Limitations Section is FAA approved and specifies maintenance required under sections 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.**

(2) Structural Limitations

Table 1. Structural Limitations

Structure	Limit
<ul style="list-style-type: none"> • Fuselage and associated structure 	<ul style="list-style-type: none"> • Recurring structural inspection – every 3,300 flights • Life Limit – 10,000 flight hours or 10,000 flights (whichever occurs first). This life may be extended to 20,000 hours or 20,000 cycles if the aircraft is maintained in accordance with Eclipse FAA approved Service Bulletin SB 500-04-006. <p><u>NOTE:</u> [1]</p>
<ul style="list-style-type: none"> • Wing structure 	<ul style="list-style-type: none"> • Recurring structural inspection – every 3,300 flights • Life Limit – 10,000 flight hours or 10,000 flights (whichever occurs first). This life may be extended to 20,000 hours or 20,000 cycles if the aircraft is maintained in accordance with Eclipse FAA approved Service Bulletin SB 500-04-006. <p><u>NOTE:</u> [1]</p>
<ul style="list-style-type: none"> • Empennage structure 	<ul style="list-style-type: none"> • Recurring structural inspection – every 3,300 flights • Life Limit – 10,000 flight hours or 10,000 flights (whichever occurs first). This life may be extended to 20,000 hours or 20,000 cycles if the aircraft is maintained in accordance with Eclipse FAA approved Service Bulletin SB 500-04-006. <p><u>NOTE:</u> [1]</p>

[1] Refer to [AMM-05-20-50-081-801 – Structural Inspection](#) for specific recurring structural inspection requirements and procedures.

(3) Component Limitations

Table 2. Component Limitations

System/Component	Limit
Chapter 24 – Electrical Power	
<ul style="list-style-type: none"> Aircraft System Battery PN 90-00134-001/PN F0773-3005 	<ul style="list-style-type: none"> Capacity check – 06 month intervals <p>NOTE: Refer to AMM-24-32-24-071-801 – Battery - Adjustment/Test for capacity check procedure.</p>
<ul style="list-style-type: none"> Aircraft Start Battery PN 90-00134-001/PN F0773-3005 	<ul style="list-style-type: none"> Capacity check – 06 month intervals <p>NOTE: Refer to AMM-24-32-24-071-801 – Battery - Adjustment/Test for capacity check procedure.</p>
<ul style="list-style-type: none"> Starter/Generator PN 200SGL149Q-() 	<ul style="list-style-type: none"> Overhaul – 1600 hour intervals.
Chapter 26 – Fire Protection	
<ul style="list-style-type: none"> Engine Fire Extinguisher Canister PN FX00200-() 	<ul style="list-style-type: none"> Discard – 10 years from date of manufacture
<ul style="list-style-type: none"> Engine Fire Extinguisher Canister PN 26-123127-() 	<ul style="list-style-type: none"> Discard – 8 years from date of installation or 10 years from date of manufacture (whichever occurs first)
Chapter 27 – Flight Controls	
<ul style="list-style-type: none"> Pitch Trim Actuators PN 27-112568-() 	<ul style="list-style-type: none"> Return to EAI or FAA-approved facility for overhaul – 2,000 hour intervals
<ul style="list-style-type: none"> Rudder Force Spring Assembly PN 27-122229-() 	<ul style="list-style-type: none"> Discard – 10,000 flight hours

System/Component	Limit
Chapter 32 – Landing Gear	
<ul style="list-style-type: none"> Main Landing Gear (MLG) PN M041-07H101-() 	<ul style="list-style-type: none"> Return to EAI or FAA approved facility for overhaul – 20,000 flight hours or 20,000 landings (whichever occurs first)
<ul style="list-style-type: none"> Left and Right Main Landing Gear (MLG) Side Stay Assembly Left PN M041-07H501-005/009 Right PN M041-07H501-006/010 	<ul style="list-style-type: none"> Discard – 7500 total landings
<ul style="list-style-type: none"> Nose Landing Gear (NLG) PN M040-07H101-() 	<ul style="list-style-type: none"> Return to EAI or FAA approved facility for overhaul – 20,000 flight hours or 20,000 landings (whichever occurs first)
<ul style="list-style-type: none"> Nose Landing Gear (NLG) Drag Stay Assembly PN M040-07H301-009 	<ul style="list-style-type: none"> Discard – 2750 total landings
<ul style="list-style-type: none"> Landing Gear Actuators PN EM 4115-() 	<ul style="list-style-type: none"> Return to EAI or FAA approved facility for overhaul – 2,000 total landing intervals
Chapter 35 – Oxygen	
<ul style="list-style-type: none"> Oxygen Cylinder PN 4441105-22C (22 cu. ft.) PN 4441105-40C (40 cu. ft.) 	<ul style="list-style-type: none"> Hydrostatic Test – For cylinders that were last tested before July 01, 2006, retest 3 years from date of previous test. Hydrostatic Test – For cylinders that were last tested after July 01, 2006, retest 5 years from date of previous test. Discard – 15 years from date of manufacture

System/Component	Limit
Chapter 56 – Windows	
<ul style="list-style-type: none"> Left Windshield PN 56-103597-1003 	<ul style="list-style-type: none"> Recurring inspection – 50 flights Discard – 100 flights <p><u>NOTE:</u> Refer to AMM-56-00-00-021-801 – Windows - Inspection/Check for recurring inspection procedure.</p>
<ul style="list-style-type: none"> Left Windshield PN 56-103597-1004 	<ul style="list-style-type: none"> Recurring inspection – 900 flights Discard – 2700 flights <p><u>NOTE:</u> Refer to AMM-56-00-00-021-801 – Windows - Inspection/Check for recurring inspection procedure.</p>
<ul style="list-style-type: none"> Right Windshield PN 56-103592-1003 	<ul style="list-style-type: none"> Recurring inspection – 50 flights Discard – 100 flights <p><u>NOTE:</u> Refer to AMM-56-00-00-021-801 – Windows - Inspection/Check for recurring inspection procedure.</p>
<ul style="list-style-type: none"> Right Windshield PN 56-103592-1004 	<ul style="list-style-type: none"> Recurring inspection – 900 flights Discard – 2700 flights <p><u>NOTE:</u> Refer to AMM-56-00-00-021-801 – Windows - Inspection/Check for recurring inspection procedure.</p>
<ul style="list-style-type: none"> Left Cockpit Side Window PN 56-103589-1002 	<ul style="list-style-type: none"> Recurring inspection – 50 flight intervals Discard – 250 flights <p><u>NOTE:</u> Refer to AMM-56-00-00-021-801 – Windows - Inspection/Check for recurring inspection procedure.</p>
<ul style="list-style-type: none"> Left Cockpit Side Window PN 56-103589-1003 and 189400-01 	<ul style="list-style-type: none"> Recurring inspection – 900 flights <p><u>NOTE:</u> Refer to AMM-56-00-00-021-801 – Windows - Inspection/Check for recurring inspection procedure.</p>

System/Component	Limit
<ul style="list-style-type: none"> Right Cockpit Side Window PN 56-109594-1002 	<ul style="list-style-type: none"> Recurring inspection – 50 flight intervals Discard – 250 flights <p><u>NOTE:</u> Refer to AMM-56-00-00-021-801 – Windows - Inspection/Check for recurring inspection procedure.</p>
<ul style="list-style-type: none"> Right Cockpit Side Window PN 56-109594-1003 and 189400-02 	<ul style="list-style-type: none"> Recurring inspection – 900 flights <p><u>NOTE:</u> Refer to AMM-56-00-00-021-801 – Windows - Inspection/Check for recurring inspection procedure.</p>
Chapter 71 – Power Plant	
<ul style="list-style-type: none"> Engine Mount Isolator Assembly PN 96133–03 	<ul style="list-style-type: none"> Discard – 3600 Hours <p><u>NOTE:</u> Replace with Bracket PN 96133–05, Molded Assemblies PN 96133–06, and Spacer PN 96133–07.</p>
<ul style="list-style-type: none"> Engine Mount Isolator Bonded Assembly PN 96133–06 	<ul style="list-style-type: none"> Discard – 3600 Hours
Chapter 72 – Engine – Turbine	
<ul style="list-style-type: none"> Life limited parts 	<ul style="list-style-type: none"> Refer to P&WC Airworthiness Limitations Manual PN 3072697

For FAA Approved:  DATE 2/24/17
 Tim Smyth, Manager Propulsion Branch
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 Federal Aviation Administration

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