



Service Bulletin SB-0051

Technical Portions FAA Approved

Epic Aircraft, LLC ♦ 22590 Nelson Road ♦ Bend OR 97701
Phone: 541-318-8849 ♦ Fax: 541-382-5125 ♦ Web: www.epicaircraft.com

Subject: Wing Wiring Harness Inspection/Replacement

ATA-Code: 57-10

Labor: 2.0 Hours

Effectivity: K003 – K037

Affected Model(s): E1000, E1000 GX

Due: The next annual inspection.

Compliance: Mandatory

Recurrence: No

1 **BACKGROUND AND PURPOSE:**

This Service Bulletin has been created to explain how to inspect for possible wiring damage found in wing wiring harness.

2 **REFERENCES:**

Epic E1000 Airframe Maintenance Manual, PN SK05000000

3 **WARRANTY:**

For aircraft under warranty, parts and labor will be covered by Epic Aircraft, LLC if the work is performed within the compliance period and at an Authorized E1000 Service Center.

4 **TOOLS:**

<u>No.</u>	<u>Description</u>	<u>Qty</u>	<u>Epic Aircraft Supplied</u>	<u>Customer Supplied</u>
1.	Common Hand Tools	A/R	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5 **PARTS/MATERIALS:**

<u>No.</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty</u>	<u>Epic Aircraft Supplied</u>	<u>Customer Supplied</u>
1	AS33671-2	Cable tie	A/R	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	A-A-52080-B-3	Tape, Lacing, Nylon, Size 3, Finish B, Black	A/R	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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6 INSTRUCTIONS:

1. Set the BATT 1 and BATT 2 switches to OFF.
2. Disconnect external electrical power from the airplane (refer to the E1000 AMM PN SK05000000, chapter 24-40).
3. Remove pilot and copilot belly panels (refer to the E1000 AMM PN SK05000000, chapter 57-10).
4. Disconnect P148 and P146 connectors, one on each side of the aircraft.
5. Remove inner most leading-edge access panel on pilot side of the wing.
6. Cut the two inner most cable ties.
7. Feed the P148 connector with harness out of the access panel.
8. Cut nylon lacing to uncover the wires beneath the roundit.
9. Inspect wires and roundit for physical damage (see Figure 1 for example, see Figure 2 for location).
 - a. If damage to wire(s) is found, contact Epic for further instructions.
 - b. If no damage is found, continue to step 10.

Note: A service instruction will be issued to individual aircraft found with damage to address specific conditions found.

10. Rewrap wires in roundit and install new lacing.

Note: Lacing must be tied every 3" +/- 1". Roundit must be secured at the ends with either lacing or heat shrink.

11. Feed harness back into leading edge access panel.
12. Secure with new cable tie straps.
13. Reinstall inner most leading-edge access panel.
14. Repeat steps 5-13 with P146 connector on copilot side.
15. Reconnect P146 and P148 connectors.

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16. Op check wing harness

- a. Pitot/Stall heaters:
 - i. Have aircraft on the ground or WoW switches depressed.
 - ii. Turn on heaters for 10 seconds.
 - iii. Verify that heaters get hot and no fail message is displayed.
- b. Lights:
 - i. Turn on lights.
 - ii. Verify lights are on.
- c. Trim Tab:
 - i. Move trim tab with switches on pilot and copilot yokes and observe movement.
- d. Lift Transducer:
 - i. Move LH lift transducer and verify AoA gauge indication.
 - ii. Pull SPS 1A/B circuit breakers.
 - iii. Move RH lift transducer and verify AoA gauge indication.
 - iv. Reset SPS 1A/B circuit breakers.
- e. OAT:
 - i. Verify proper indication on the display.
- f. Fuel Probe:
 - i. Verify proper indication on the display.

17. Install belly panels (refer to the E1000 AMM PN SK05000000, chapter 57-10).

Note: Ensure antenna coax cable is installed before belly panels are secured.

18. Disconnect external electrical power from the airplane (refer to the E1000 AMM PN SK05000000, chapter 24-40).

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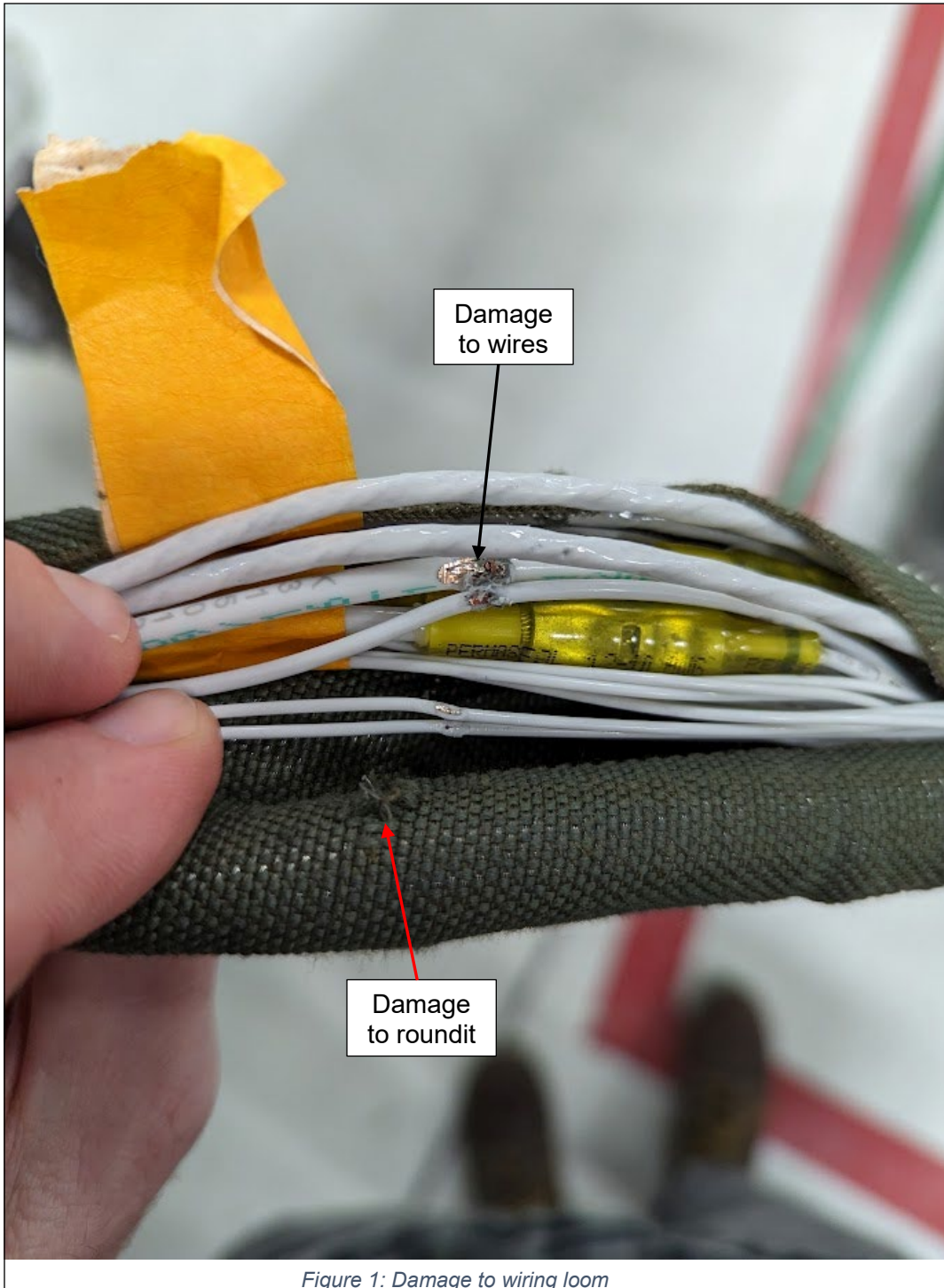


Figure 1: Damage to wiring loom

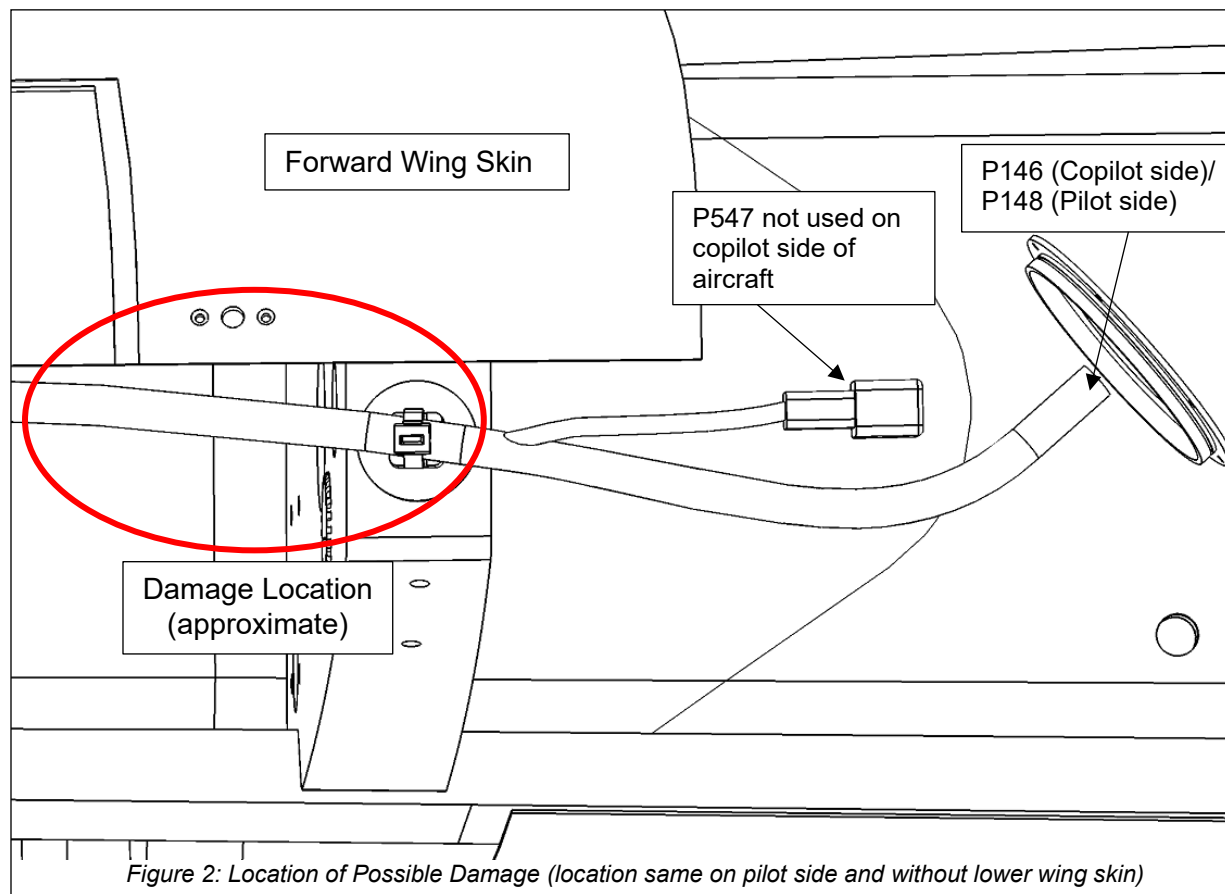
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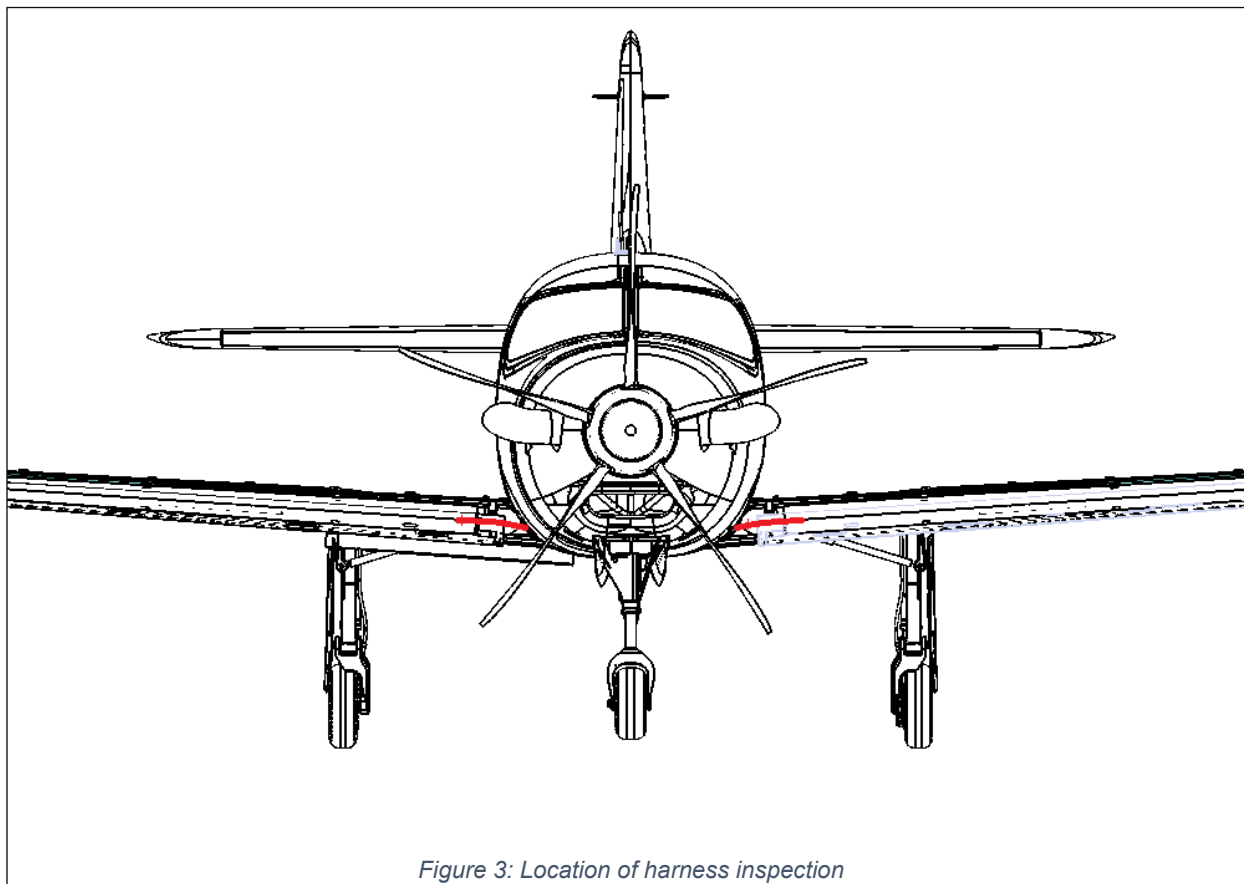


Figure 3: Location of harness inspection

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7 WEIGHT AND BALANCE:

Negligible

8 PUBLICATIONS AFFECTED:

N/A

9 RECORD COMPLIANCE:

Make appropriate entry in airplane maintenance records.

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Appendix A: Compliance Letter

Please complete and mail this form to Customersupport@epicaircraft.com

This is to certify that I have completed the work in accordance with the Epic Aircraft, LLC Service Bulletin.

Aircraft Owner Information:

Date: _____ Aircraft Serial Number: _____ Aircraft Reg. Number: _____

Owner's Name: _____

Maintenance Entity Information

Name of Shop Performing the work: _____

Name of Person(s) Performing inspection and/or work: _____

Phone Number: _____ Email: _____

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