



Service Bulletin SB-0030

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: Yoke Slider Bolt Replacement

ATA-Code: 27-00

Labor: 4.0 Hours

Effectivity: K003 – K023

Affected Model(s): E1000, E1000 GX

Due: At the next annual inspection.

Compliance: Mandatory

Recurrence: No

1 **BACKGROUND AND PURPOSE:**

It has been found on affected aircraft that the threaded holes in the yoke shaft may have been chamfered. This would create inadequate thread engagement for the bolts that attach the yoke tube to the yoke shaft.

This Service Bulletin gives instructions to replace the bolts and washers to get the required thread engagement.

2 **REFERENCES:**

Epic E1000 Aircraft Maintenance Manual P/N 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 by a properly certificated Airframe and Power Plant mechanic or FAA approved repair station.

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	☐	☒

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.	NAS1351-3H7P	Screw, Socket Head, Drilled Ø .190-32 x .4375	8	☒	☐
2.	NAS1149F0316P	Washer, Flat #10 X .016	8	☒	☐
3.	MS20995C32	Safety Wire, .032 Dia.	A/R	☐	☒

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6 INSTRUCTIONS:

1. Set the BATT 1 and BATT 2 switches to OFF.
2. Remove all external electrical power from the airplane (refer to Epic E1000 Aircraft Maintenance Manual, PN SK05000000, Chapter 24-40).
3. Gain access to the yoke shaft screws as follows:
 - a. Remove the pilot's and co-pilot's PFDs (refer to Epic E1000 Aircraft Maintenance Manual, PN SK05000000, Chapter 34-40).
 - b. Remove the pilot's and co-pilot's switch panel bezels (refer to Epic E1000 Aircraft Maintenance Manual, PN SK05000000, Chapter 25-10).

NOTE: The yoke may be rotated and moved forward and aft for access to the hardware.

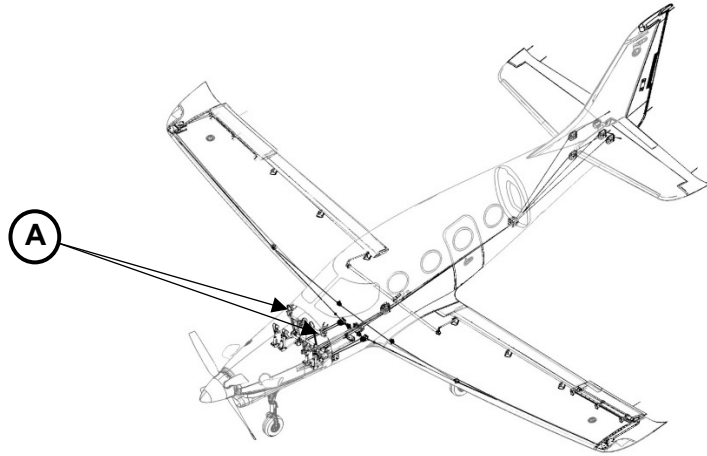
4. Cut the safety wire on the yoke shaft screws (Refer to Figure 1.)

CAUTION: Substituting longer or shorter replacement screws is not permitted.

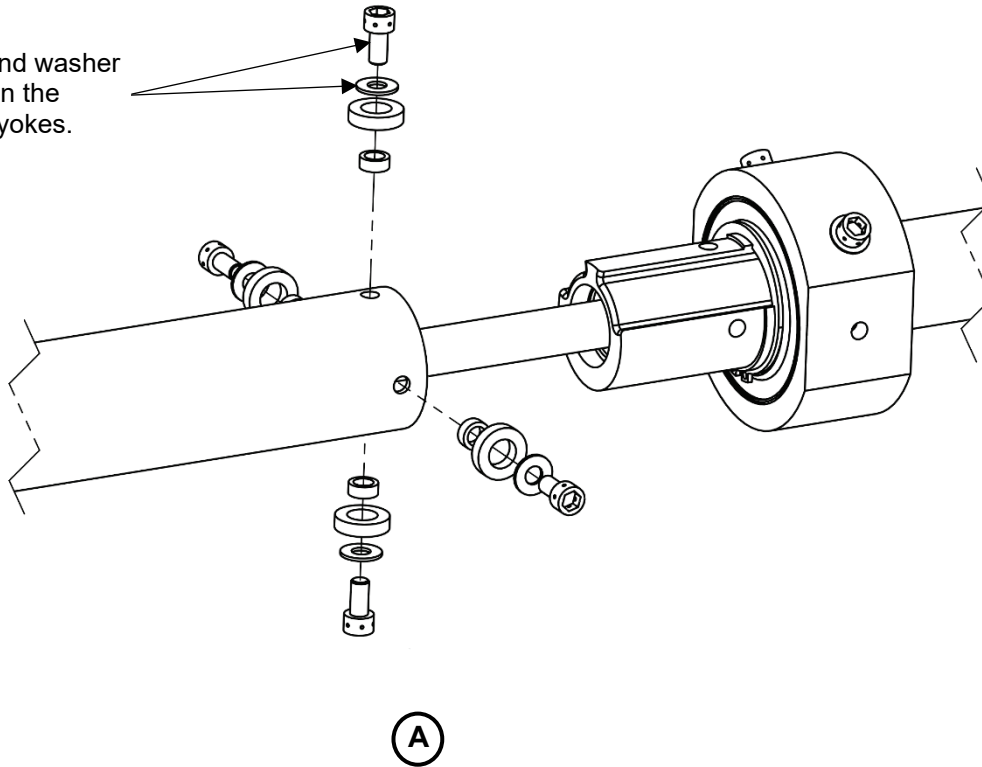
5. One screw at a time, replace each NAS1351-3H6P screw and NAS1149F0332P washer with a NAS1351-3H7P screw and the NAS1149F0316P washer.
6. Torque each screw to 20 - 25 in-lbs.
7. Install safety wire on the installed screws (refer to Epic E1000 Aircraft Maintenance Manual, PN SK05000000, Chapter 20-50).
8. Install the pilot's and co-pilot's switch panel bezels (refer to Epic E1000 Aircraft Maintenance Manual, PN SK05000000, Chapter 25-10).
9. Install the pilot's and co-pilot's PFDs (refer to Epic E1000 Aircraft Maintenance Manual, PN SK05000000, Chapter 34-40).
10. Make sure both yokes move smoothly without binding through their full range of travel.

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Figure 1: Yoke Slider Bolts



Replace the screw and washer at all four locations on the pilot's and co-pilot's yokes.



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7 WEIGHT AND BALANCE:

Negligible

8 PUBLICATIONS AFFECTED:

Epic E1000 Illustrated Parts Catalog P/N SK05000004

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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