



COMPONENT MAINTENANCE MANUAL FOR SANDEL SN3308 EHSI Navigation Display

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**Nighthawk Flight Systems, Inc.
1370 Decision St. Suite D
Vista, CA 92081
Telephone: (760) 727-4900
www.nighthawkfs.com**

PROPRIETARY DATA

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REVISION SHEET

REV	Date	Pages	Para.	DESCRIPTION OF CHANGES
A	July 15, 2009	All	All	A/R 1077; Initial Release
A1	July 31, 2026	All	N/A	Title Page, Headers, Footers changed for Nighthawk Flight Systems, Inc.

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1. APPLICABILITY

This document is applicable to maintenance for continued airworthiness of SN3308 EHSI
Navigation display:

Unit part number: SN3308-xxx, Software revision 1.00 or later

2. U JOINT REPLACEMENT PROCEDURE

Field U joint replacement applies to part number SN3308-xxx.

Step 1

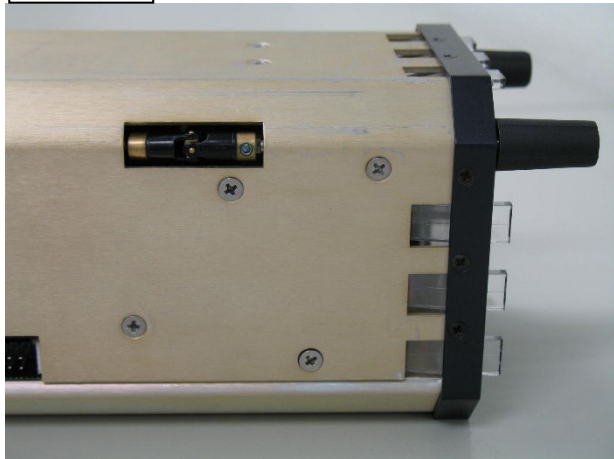


Fig. 1: Place SN3308 unit upside down on a grounded bench area.

Step 2

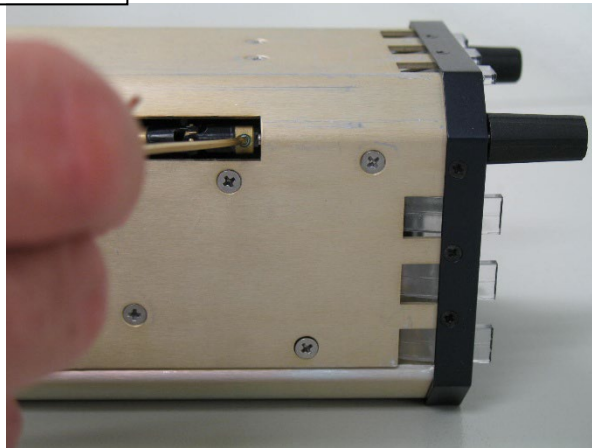


Fig. 2: Rotate Heading and Course knobs to expose U-Joint retaining setscrews. Using 0.050" hex wrench, loosen front U-Joint retaining setscrews. (left and right hand sides are symmetric)

Step 3

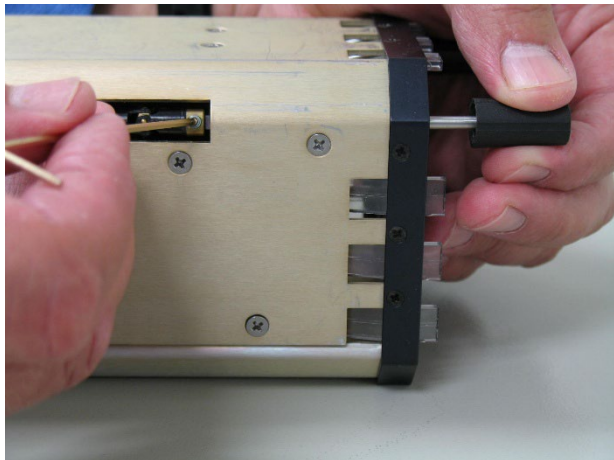


Fig. 3: Remove Heading and Course Knobs and shafts thru front of bezel.

Step 3 (cont)

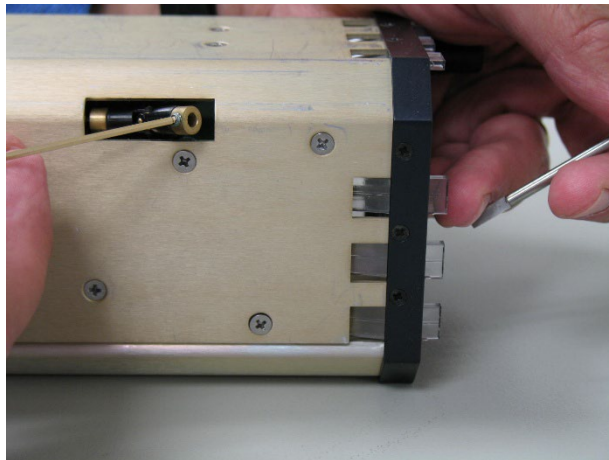


Fig. 4:

Step 4 (cont.)

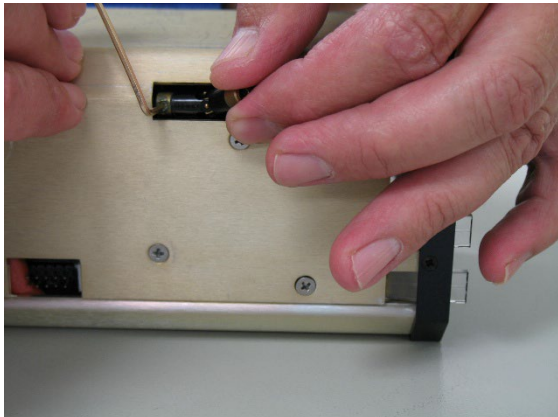


Fig. 5: Expose rear U-Joint retaining setscrews. Using 0.050" hex wrench, loosen rear U-Joint retaining setscrews. (left and right hand sides are symmetric)

Step 4 (cont.)

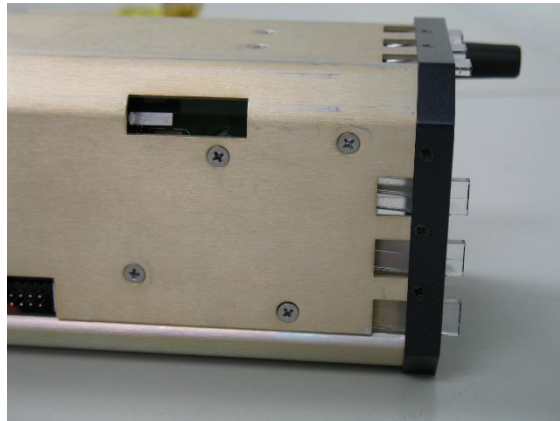


Fig. 6: Remove old U-Joint

Step 5

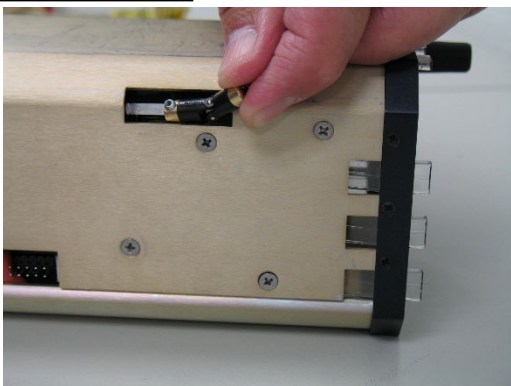


Fig. 7

1. Apply Thread Locker (Loctite 222, or eq.) to rear threads of replacement U-Joint retaining setscrews.
2. Align U-Joints to flat of Encoder Shafts and install into unit.

Step 5 (cont)

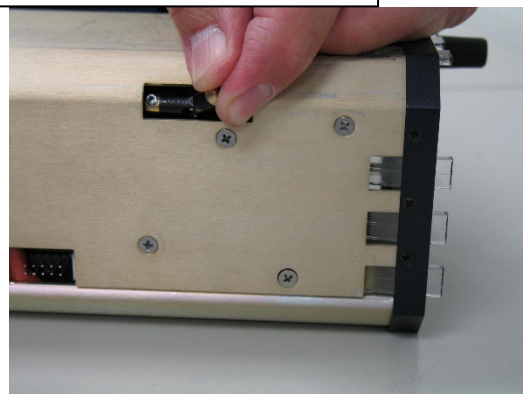


Fig. 8

1. Tighten rear U-Joint set screw

Step 6

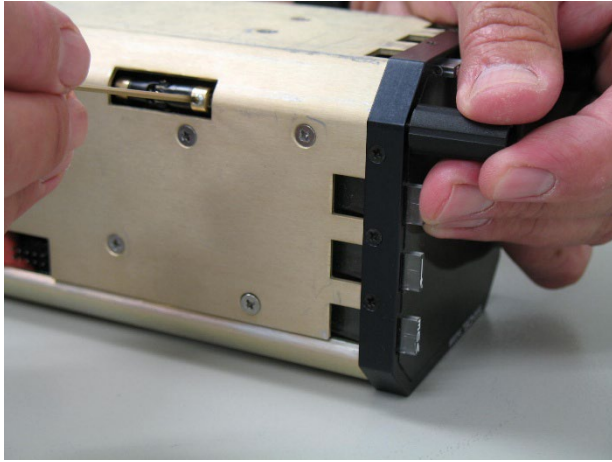


Fig. 9

1. Apply Thread Locker (Loctite 222, or eq.) to front threads of replacement U-Joint retaining setscrews.
2. Align U-Joints to flat of Encoder Shafts and install into unit.
3. Tighten front U-Joint set screw

Step 7

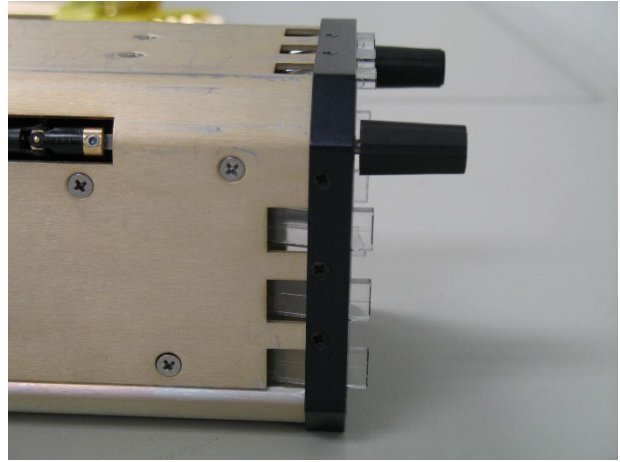


Fig. 10: Space knobs to leave .06 gap between face of bezel and knobs.