



# THE ENSTROM HELICOPTER CORPORATION

2209 22<sup>nd</sup> STREET, MENOMINEE, MICHIGAN 49858

## SERVICE INFORMATION LETTER

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SERVICE INFORMATION LETTER NO. T-052

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DATE: October 10, 2011

1. SUBJECT: Scavenge Air and Bleed Line Installation – Clamp Replacement
2. MODEL: 480, 480B
3. EFFECTIVITY: S/N 5142 and prior and any 480/480B models that have not been updated with the P/N S500 Clamp
4. BACKGROUND:

Enstrom has approved the S500 cushioned clamp as a replacement to the AN742 clamp used for the scavenge air and bleed line overlap. A S500 clamp is installed around each line and the two are secured together to hold the lines apart where they cross one another. The cushioned clamp restricts line movement thereby preventing the potential chafing that could occur with the previous AN742 clamp. The cushioned clamps for the scavenge air system are “standard” hardware and have been incorporated into production aircraft starting with serial number 5143.

This Service Information Letter (SIL) provides the installation instructions for operators to update the scavenge air and bleed line installation with the S500 cushioned clamps.

5. COMPLIANCE:

At owner/operator option install the S500 clamps in accordance with paragraph 6.

### NOTE

**Perform all maintenance in accordance with the Enstrom TH-28/480 Series Maintenance Manual.**

6. CLAMP INSTALLATION (*Figures 1 and 2*):
  - 6.1 Access the clamp installation through the right side engine access panel (*Figure 2a*).
  - 6.2 Remove screw (3), washers (4), and nut (5) that attach the AN742 clamps (1 and 2) (*Figure 1 and 2b*). Remove the clamps.
  - 6.3 Inspect the lines for cracks, dents, nicks, and scratches.

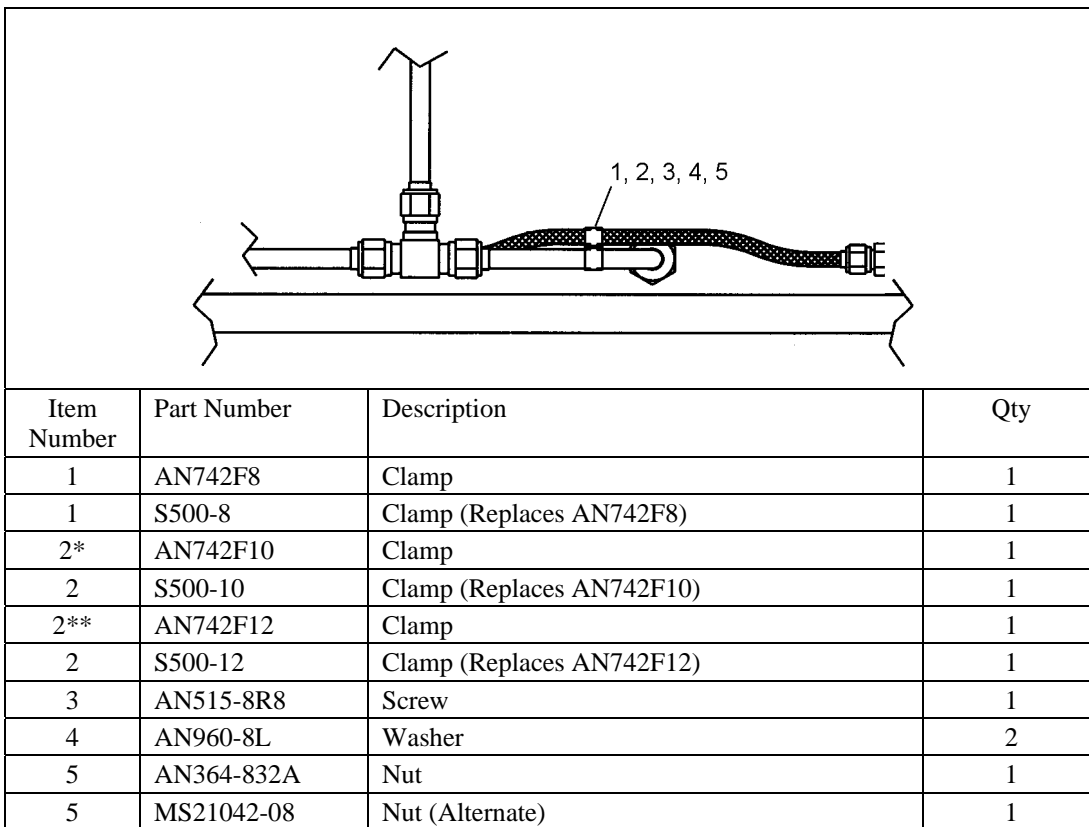
6.4 Install clamp S500-8 over the hard line (*Figure 2c*).

**NOTE: Install the clamps at the most appropriate location so as to remove any potential for the flex hose to contact the hard line on either side of the clamp installation.**

6.5 Install the appropriate clamp, S500-10 or S500-12, over the flex line (*Figure 2c*).

**NOTE: If the flex hose assembly is Swagelok P/N SS-FM6AS6AS6-12, use clamp S500-12. If the flex hose assembly is Senior Aerospace P/N 9935300-098, use clamp S500-10.**

6.6 Align clamp S500-10/-12 holes over the S500-8 holes and install screw (3), washers (4), and nut (5) (*Figure 1 and 2c*).



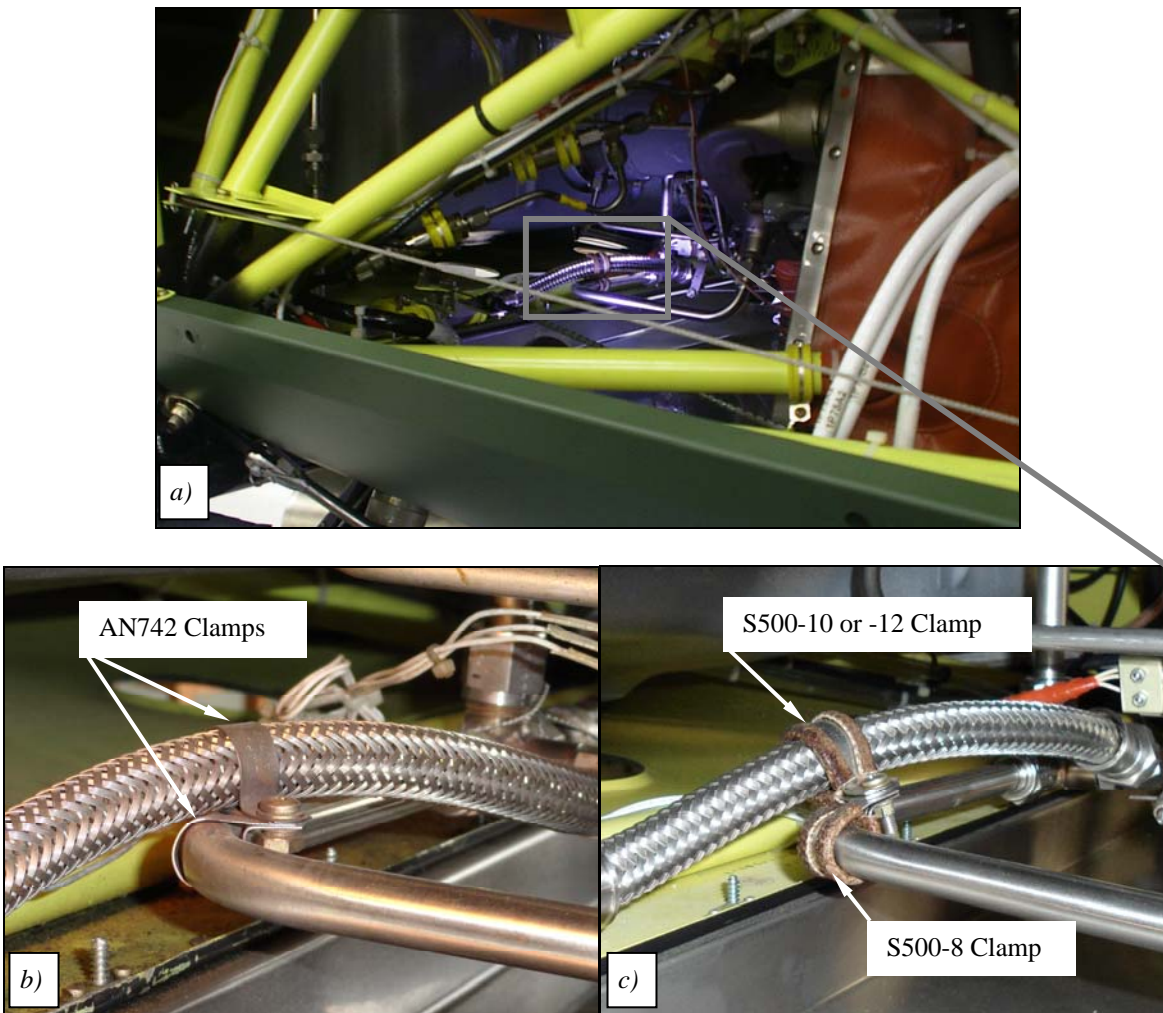
\* Used with Hose 9935300-098

\*\* Used with Hose SS-FM6AS6AS6-12

*Figure 1. Scavenge Air Line Clamp Installation*

7. PARTS:

Part Number	Description	Quantity
S500-8	Clamp	1
S500-10 or S500-12	Clamp	1



*Figure 2.* The scavenge air and bleed line clamp installation is located below the compressor and is accessible through the right side engine access panel as shown in a). The original AN742 clamp installation is shown in b). The new S500 clamp installation is shown in c).

8. SPECIAL TOOLS: None
9. MAN-HOURS: 10 minutes
10. WARRANTY: Per Enstrom Warranty Policy
11. WEIGHT CHANGE: None
12. LOG BOOK ENTRY: As required for maintenance actions
13. REPETITIVE ACTION: None