



SERVICE INFORMATION LETTER

SIL T-066
Revision 1
Page 1 of 4

DATE: May 19, 2017

- 1. SUBJECT: Dual Ground Handling Wheel Installation
- 2. MODEL: 480, 480B
- 3. EFFECTIVITY: All 480 series ground handling wheel installations
- 4. BACKGROUND:

This Service Information Letter (SIL) is intended to make operators aware of an upgraded ground handling wheel saddle assembly and new method of installation. The upgrade features an improved saddle construction (P/N ECD4057-15) which is now bolt-attached. The bolt-attached installation is effective for all P/N ECD4057 saddle variants. The rivet-attached installation is no longer manufactured.

- The ECD4057 variants and status are clarified below:

Part Number	Status	Available Upgrade
ECD4057-11	Inactive (rivet-attached)	Implement P/N 4174004-() and Bolts
ECD4057-13		
ECD4057-15	Active (bolt-attached)	No change

In addition, new doubler assembly P/N 4174004-3 was created to assist operators in the field with an alternate hole pattern from a previous variant of the ground handling wheel saddle.

- 5. COMPLIANCE:

At owner/operator option, if installing P/N ECD4057-15 or switching to a bolt-attached saddle, install P/N 4174004-1 and P/N ECD4057-15, as applicable, in accordance with paragraph 6.

At owner/operator option, if the doubler assembly for a ground handling wheel saddle installation with 1.30” hole spacing requires replacement, install P/N 4174004-3 in accordance with paragraph 6.

May 19, 2017

6. INSTALLATION:

NOTE: Perform all related maintenance in accordance with the TH-28/480 Series Maintenance Manual.

Refer to paragraph 7 to determine which nut plate strip P/N is required.

- 6.1 Remove the existing doubler assemblies if not already removed. Retain saddle.
- 6.2 If not to the correct diameter, open the holes in the skid tube and the saddle to $\text{Ø}0.191$ ". Deburr and apply epoxy primer for corrosion protection.
- 6.3 Remove the aft skid tube end cap.
- 6.4 Clean the interior surface of the skid tube where the doubler assembly will be bonded. (Use a long-handled sponge or brush wetted with solvent (denatured alcohol or equivalent).
- 6.5 Obtain a 7 ft length of 0.025" or 0.032" wire and install the wire as shown in Figure 1.
 - 6.5.1 Thread one end of the wire through the forward saddle hole and out through the end of the skid tube. Thread the other end of the wire through the aft saddle hole and out through the end of the skid tube. Ensure the wire is routed under the landing gear through-bolts.

NOTE: The through-bolts may be removed to ease installation. If removing the bolts, the aircraft must be supported by incorporating blocks under the cross tube or by using a hoist.

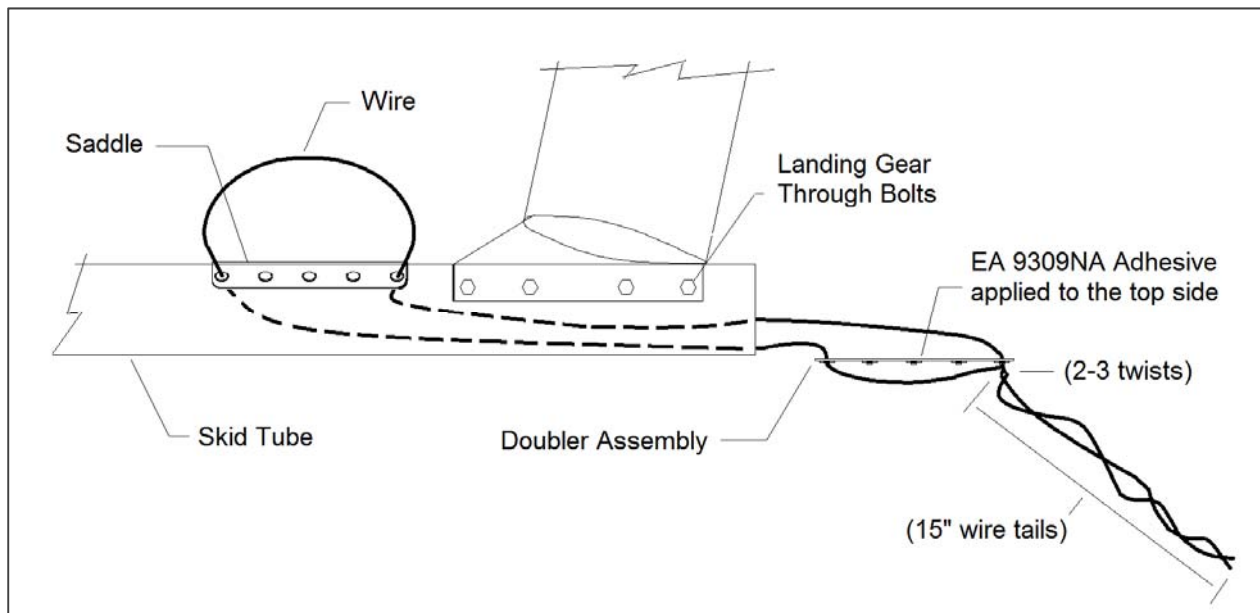


Figure 1. Wire Loop Routing for Doubler Assembly Installation
(Not all landing gear assembly detail shown; removed for clarity)

May 19, 2017

- 6.6 Thread the wire through the doubler assembly and twist 2-3 times to close the loop; ensure a 15" minimum length from twist to the wire ends to ease removal of wire (Figure 1).
- 6.7 Apply EA 9309NA adhesive to the doubler surface (not the nutplate side).
- 6.8 Pull the wire loop up through the saddle holes to position the doubler assembly into alignment under the saddle.
- 6.9 Apply epoxy primer to three bolts. While wet, install bolts with washers into the middle holes of the saddle ensuring the doubler assembly nutplates are securely engaged.
- 6.10 Cut the wire at both holes and remove the wire loop ends.
- 6.11 Epoxy prime two bolts and install the bolts and washers for the two remaining holes.
- 6.12 Repeat the procedure beginning at step 6.4 for the second doubler assembly installation.
- 6.13 Reinstall the skid tube end cap.
- 6.14 Reinstall the landing gear through-bolts, if required.
- 6.15 Repeat the steps for the saddle on the opposite skid tube.

7. PARTS AND CONSUMMABLE MATERIALS

NOTE: Epoxy primer, adhesive, and wire may be procured locally.

Part Number	Description	Quantity
4174004-1 (1.41" hole spacing)	Nut Plate Strip	4
4174004-3 (1.30" hole spacing)	Nut Plate Strip	4
AN3-5A	Bolt	20
NAS1149F0332P	Washer	20
N/A	Epoxy Primer	A/R
Hysol EA 9309NA, or equivalent	Structural Adhesive	A/R
MS20995C25 or MS20995C32	Safety Wire	A/R

May 19, 2017

8. SPECIAL TOOLS OR EQUIPMENT: None
9. MAN-HOURS: Installation – 1 hour (one saddle assembly)
10. WARRANTY: Per Enstrom policy
11. WEIGHT CHANGE: N/A
12. LOG BOOK ENTRY: As required for maintenance actions
13. REPETITIVE INSPECTIONS: None