



Airworthiness Directive: 108

Date: March 24, 1995

Subject: Gear Leg Solid Doubler

Compliance: Mandatory

Cost: Your time to install and (2) 1/4" X 5/8" Roll Pins (\$3.50)

Models Effected: S-7 Courier With Tubular Landing Gear & S6 Coyote II

The solid doubler used in the landing gear, on the models listed above, is epoxyed in place to prevent it from sliding down the gear leg tube. If the builder does not use enough epoxy there is a possibility the doubler might slide down from the specified location. If this happens and the doubler moves below the gear leg socket, the landing gear might collapse under high loads.

To prevent the doubler from moving, a 1/4" roll pin 5/8" in length, is pressed into the gear leg. Order the roll pin from our Parts Department or obtain locally.

1. Determine if you have the type of doubler in question. (Solid doublers only, hollow doublers are not effected by this directive.)
 - S-7 Courier With Tubular Landing Gear & S-6 Coyote II Taildragger: All kits after 10/1/1994, possibility for 9/1/94 to 10/1/94
 - All other models: If the builder special ordered the solid doubler from the Parts Department.
2. If you confirm having a solid doubler, remove the gear leg and check the doubler location.
3. Relocate the doubler to 4.25" from the top edge of the gear leg if necessary.
4. From the same top edge measure 5" down and mark it with a center punch.
5. On the mark, drill a 1/4" Dia. 5/8 deep hole through the gear leg and solid doubler (as shown).
6. Insert the roll pin in the hole. Make sure the roll pin is flush with the outer surface of the gear leg. (You might have to grind it.)
7. Reinsert the gear leg in the socket and reinstall the 1/4" bolt.
8. Repeat for the other side.

