

MANDATORY SERVICE BULLETIN

DATE: October 30, 2006 Service Bulletin No. 572
Engineering Aspects are
FAA Approved

SUBJECT: Missing Oil Passage Hole at Idler Shaft Location

MODELS AFFECTED: This Service Bulletin applies to new, rebuilt, overhauled or repaired Lycoming O-235 engines and accessory housing kit P/N 05K21678 shipped from Lycoming between September 1, 2003 and June 1, 2006.

The engines and spare kits listed above may contain accessory housing P/N 21A23000, S/N 7212-0001 through 7212-0060.

TIME OF COMPLIANCE: Within the next 50 hours, but not to exceed one year from the date of this Service Bulletin.

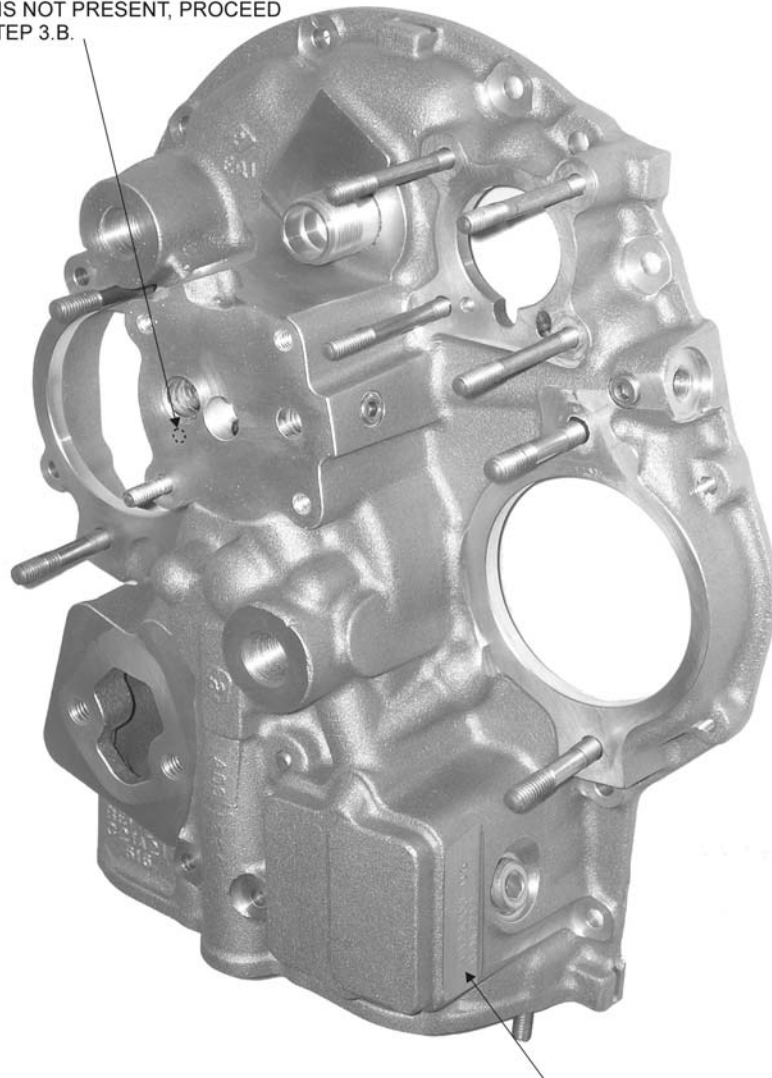
Certain accessory housings, P/N 21A23000, either installed on Lycoming O-235 engines or received in an accessory housing kit, P/N 05K21678 between September 1, 2003 and June 1, 2006 may not have an oil passage hole to the idler gear shaft. If the idler gear shaft is not lubricated, wear damage to the idler gear shaft and subsequent damage to the engine by metal contamination may occur. While there have been no failures of the idler gear shaft on the engines or spare kits stated above, Lycoming is initiating this recall as part of our commitment to quality.

Instructions for Compliance:

1. The accessory housing serial number can be found on the lower right-hand side of the accessory housing. See Figure 1.
2. The format of the accessory housing serial number is the number "7212" followed by a dash, then by another four digits (example: 7212-0001). If the serial number does not contain "7212", no further action is required.
3. If the serial number contains "7212", then followed by the four numbers 0001 thru and including 0060, proceed with the following steps:
 - a. Remove the oil filter base or pressure screen housing and inspect for the presence of a 3/16-inch hole at the location shown in Figure 1.
 - b. If the 3/16-inch hole is not present, contact an authorized Lycoming distributor for further instructions regarding warranty part replacement.
 - c. If the 3/16-inch hole is present, verify that it passes through to the interior of the accessory housing by using compressed air or probing with a thin piece of wire.

- (1) If compressed air is used and no obstructions are present, then there will be an audible sound of air escaping into the interior of the accessory housing.
 - (2) If a probe is used, no obstructions will be encountered before a minimum insertion depth of 2.324 inches.
- d. If no obstructions are found, no further action is required.
 - e. If the passage hole is obstructed, contact an authorized Lycoming distributor for further instructions regarding warranty part replacement.
4. Warranty part replacement is available for a period of one year from the date of this Service Bulletin.

THE OIL PASSAGE HOLE CAN BE FOUND NEAR THIS LOCATION. IF THIS IS NOT PRESENT, PROCEED WITH STEP 3.B.



THE ACCESSORY HOUSING SERIAL NUMBER WILL BE STAMPED HERE. IF THE SERIAL NUMBER DOES NOT CONTAIN "7212" THEN NO FURTHER ACTION IS REQUIRED. IF IT DOES CONTAIN "7212" THEN PROCEED WITH STEP 3.

Figure 1.