

MANDATORY

SERVICE BULLETIN

DATE: September 21, 2007 Service Bulletin No. 578
Engineering Aspects are
FAA Approved

SUBJECT: Incorrect Cylinder Assemblies Shipped with Cylinder Kits

MODELS AFFECTED: All cylinder kits listed in Table 1 shipped between June 8, 2007 and August 1, 2007.
All Lycoming engines installed with cylinder assemblies that were received in the cylinder kits listed in Table 1 shipped between June 8, 2007 and August 1, 2007.

TIME OF COMPLIANCE: For uninstalled cylinder kits – immediately.
For engines with affected cylinder kits – Within next 10 hours of engine operation.

Lycoming has determined that a quantity of cylinder kits may have been shipped with incorrect cylinder assemblies between June 8, 2007 and August 1, 2007. These cylinder kits may contain one of the following:

1. Short-reach spark plug cylinder assembly in lieu of a long-reach spark plug cylinder assembly or vice-versa.
2. Parallel valve cylinder assembly in lieu of an angle valve cylinder assembly or vice-versa.
3. Cylinder assembly in which the cylinder barrel is either too long or too short for the stroke of the piston.
4. Thin wall barrel cylinder assembly in lieu of a thick wall barrel cylinder assembly or vice-versa.
5. Thin flange barrel cylinder assembly in lieu of a thick flange barrel cylinder assembly or vice-versa.

The correct combination of cylinder kit and cylinder assembly part numbers is listed in Table 1. If you have any of these cylinder kits in stock that were shipped in the specified time frame, Lycoming requires that you inspect the cylinder kit for the possibility of an incorrect cylinder assembly. This inspection can be performed by visually inspecting the cylinder assembly for the correct part number. The part number is located on the outside of the cylinder assembly.

NOTE

Lycoming cylinder assembly part number formats that are affected by this Service Bulletin include the following:

- a. The letters “LW-” followed by 5 digits.
- b. The numbers and letter “16A” or “16B” followed by 5 digits.
- c. A 5 digit number starting with the number “7”.

If the incorrect cylinder assembly is found, return the part for credit on a Warranty Application and Return Material Form and use the normal procedure for ordering replacement cylinder assemblies. Warranty part replacement is available for a period of 30 days from the date of this Service Bulletin.

If new Lycoming cylinders from a new cylinder kit were installed on an engine on or after June 8, 2007, the following action must be taken:

1. Access the engine to be able to identify cylinder assembly part numbers. Depending on the aircraft model, removal of the baffling and other associated parts may be necessary.
2. The Lycoming part number can be found on the bottom of the cylinder near the cylinder valve cover as viewed mounted on the engine.
3. Verify that all cylinder assemblies are the correct part number for the engine model using the appropriate Parts Catalog.
4. If an incorrect cylinder assembly is found, remove before further flight and return the part for credit on a Warranty Application and Return Material Form and use the normal procedure for ordering replacement cylinder head assemblies. Warranty part replacement is available for a period of 30 days from the date of this Service Bulletin.
5. If the cylinder assemblies are correct make an appropriate logbook entry of compliance.

TABLE 1

Kit P/N	Cylinder Assy. P/N	Kit P/N	Cylinder Assy. P/N	Kit P/N	Cylinder Assy. P/N
05K21100	LW-12416	05K21120	LW-12993	05K21274	LW-12988
05K21102	LW-12425	05K21121	LW-15322	05K21423-A	16B21508
05K21103	LW-12425	05K21122	LW-16290	05K21745	LW-13870
05K21104	LW-12427	05K21124	LW-19047	05K21966	LW-12988
05K21108	LW-12966	05K21204	LW-13534	05K22128	16A22130
05K21109	LW-13447	05K21220	74236	05K22680	16A22541
05K21110	LW-13532	05K21237-A	LW-12416	05K23037	16A23033
05K21112	LW-13530	05K21260	16A19516	05K23038	16A23035
05K21117	LW-13870	05K21262	LW-12988	05K23039	16A23034
05K21118	LW-12988	05K21269	LW-13447	05K23040	16A23033
05K21119	LW-15318	05K21272	75215	05K23161	16A22130
		05K21273	LW-19037		