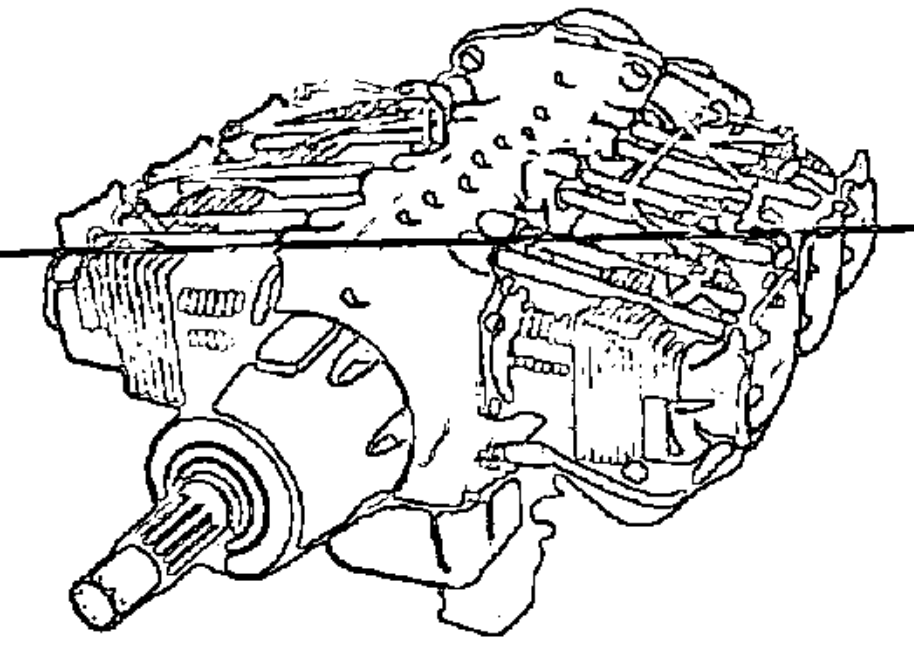
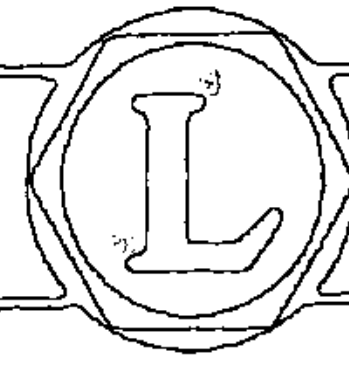


LYCOMING



SERVICE BULLETIN

LYCOMING DIVISION



WILLIAMSPORT, PA., U.S.A.

DATE: April 20, 1964 Service Bulletin No. 298
Approved by FAA

SUBJECT: Fuel and Oil Vent Restriction Requirement for AC Lightweight Diaphragm Fuel Pumps

MODELS AFFECTED: O-320, O-340, O-360 and O-540 series engines equipped with the following AC fuel pumps

AC 5623467 (Lycoming P/N 74082)
AC 5656880 (Lycoming P/N 74082)
AC 6440152 (Lycoming P/N 74798)

IO-320-B1A, IO-360-A1A, -B1B, HIO-360-B1A, -B1B and IO-540-C1B5 engines equipped with the following AC fuel pumps

AC 5623466 (Lycoming P/N 73973)
AC 5656696 (Lycoming P/N 73870)

O-320, O-340, O-360 and O-540 series engines using the larger heavy white-metal type pump are specifically exempt from the requirements of this service bulletin. These older type pumps are further identified by their round bottom sump bowls in comparison to the flat plates used on lightweight aluminum fuel pumps. See Service Instruction No. 1049 for additional description. All new carburetor engines listed below are exempt from compliance with this bulletin as they are equipped with Lyc. P/N 75250 adapter installed in the AC fuel pump P/N 6440152 (Lyc. P/N 74798) furnished with these engines.

O-320-A and C Series: 13446-27, 13447-27, 13841-27, 13880-27, 13908-27, 13909-27, 13911-27, 13912-27, 13914-27 thru 13920-27, 13935-27 thru 13937-27, 13946-27, 13948-27 thru 13950-27, 13954-27, 13955-27, 13964-27 thru 13997-27, 14000-27 thru 14009-27, 14025-27 thru 14033-27, 14035-27 and up.

O-320-B and D Series: 4213-39, 5307-39, 5940-39, 5943-39 thru 5947-39, 5964-39 and up.

O-340 Series: 433-30 and up.

O-360 Series: 6538-36, 6542-36, 6734-36, 6763-36, 6764-36, 6766-36, 6780-36, 6781-36, 6783-36 thru 6785-36, 6800-36 thru 6802-36, 6808-36, 6813-36, 6814-36, 6817-36, 6826-36, 6830-36, 6834-36, 6837-36, 6839-36 thru 6841-36, 6845-36, 6848-36, 6850-36, 6853-36, 6855-36 thru 6861-36, 6864-36, 6872-36, 6873-36, 6890-36, 6892-36 thru 6896-36, 6898-36 thru 6908-36, 6921-36, 6922-36, 6934-36 thru 6937-36, 6939-36 thru 6943-36, 6953-36 thru 6972-36, 6976-36 thru 6990-36, 6993-36 thru 7013-36, 7015-36 thru 7023-36, 7026-36 and up.

O-540 Series: 6705-40, 6706-40, 6819-40, 6844-40, 6873-40, 6938-40, 6945-40, 6971-40, 7108-40, 7140-40, 7141-40, 7154-40, 7157-40, 7174-40, 7176-40, 7177-40, 7197-40, 7254-40, 7257-40, 7261-40, 7263-40, 7265-40, 7266-40, 7268-40, 7269-40, 7287-40, 7290-40, 7318-40 thru 7320-40, 7322-40, 7326-40, 7329-40, 7330-40, 7335-40, 7352-40 thru 7355-40, 7358-40 thru 7360-40, 7366-40, 7368-40 thru 7380-40, 7394-40, 7408-40 thru 7410-40, 7414-40 thru 7428-40, 7430-40 thru 7436-40, 7457-40 thru 7461-40, 7480-40 thru 7484-40, 7486-40 thru 7488-40, 7513-40, 7519-40 thru 7521-40, 7523-40, 7529-40 thru 7531-40, 7549-40, 7550-40, 7552-40, 7570-40 thru 7583-40, 7585-40 and up.

All new fuel injected engines listed below are exempt from compliance with this bulletin as they are equipped with one of the following:

- (a) AC fuel pump P/N 5656696 (Lyc. P/N 73870) with Lyc. P/N 75250 adapter installed.
- (b) AC fuel pump P/N 6440160 (Lyc. P/N 74999) installed.

IO-320-B1A engines beginning with serial number 457-55, 459-55, 463-55 thru 465-55, 467-55, 470-55, 471-55, 478-55, 479-55, 481-55, 483-55 thru 486-55, 490-55, 493-55 thru 495-55, 497-55, 500-55, 502-55, 505-55 thru 507-55, 510-55 thru 516-55, 518-55 and up.

IO-360-A1A, -B1B, HIO-360-B1A, -B1B series engines beginning with serial number 427-51 and up.

IO-540-C1B5, -C4B5, -D4A5 series engines beginning with serial number 676-48 and up.

All remanufactured engines shipped from the factory beginning April 1, 1964 are furnished with Lyc. P/N 75250 adapter installed in the AC fuel pumps and are exempt from compliance with this bulletin.

TIME OF COMPLIANCE: During next 25 hours time in service or before at owner's discretion.