



SERVICE LETTER

No. 635

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

October 16, 1972

Subject: Avco Lycoming Service Bulletin No. 356, dated September 1, 1972.

Models and Serial Numbers Affected: Reference Avco Lycoming Service Bulletin No. 356 -- Models Affected section.

Compliance Time: Reference Avco Lycoming Service Bulletin No. 356 -- Time of Compliance section.

Purpose: To provide distribution of Avco Lycoming Service Bulletin No. 356, dated September 1, 1972 reproduced on the reverse side of this Service Letter.

Instructions:

1. Refer to Avco Lycoming Service Bulletin No. 356 (on reverse side).
2. Prior to installing the alternator bracket support, Avco Lycoming Part No. LW12762, inspect the alternator bracket, Avco Lycoming Part No. LW11941, shown on Avco Lycoming Service Bulletin No. 356 sketch; if evidence of cracks is noted, replace alternator bracket.

Material Required: Refer to Avco Lycoming Service Bulletin No. 356.

Availability of Parts: Reference Avco Lycoming Service Bulletin No. 356.

Effectivity Date: This Service Letter is effective October 30, 1972.

Service Bulletin

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DATE: September 1, 1972

Service Bulletin No. 356
Engineering Aspects are
FAA (DEER) Approved

SUBJECT: Addition of Alternator Bracket Support

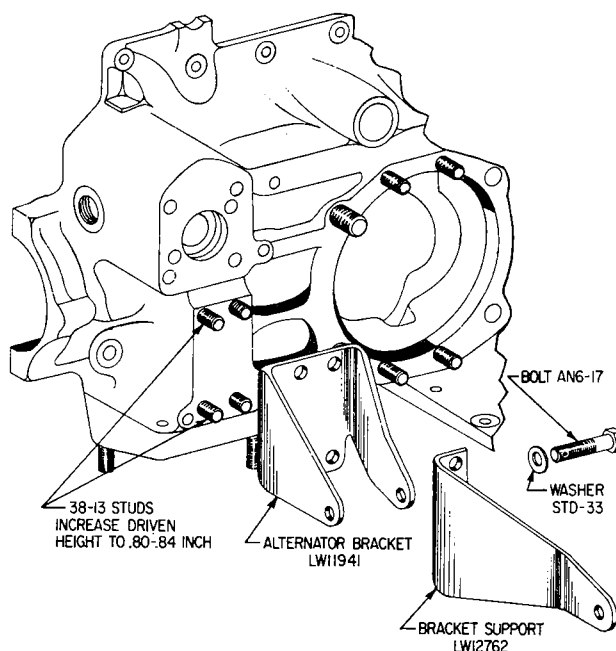
MODELS AFFECTED: All Avco Lycoming TIO-540-A2C series aircraft engines equipped with freon compressors.

TIME OF COMPLIANCE: At the next 100 hour aircraft and engine inspection.

To strengthen the alternator bracket (LW11941) it is recommended that the bracket support (LW12762) be installed as soon as possible. The following changes are necessary when installing the bracket support. The driven height of the two studs, indicated on the accompanying illustration, must be increased from the present height of .74 - .78 inch to .80 - .84 inch. Two nuts may be jammed on the 3/8 studs to turn them outward; turn slightly beyond the specified height and check the torque required to drive them to the correct height. The required torque should not be less than 160 inch pounds; if it is, an oversize stud should be installed.

The bolt indicated on the accompanying illustration must be changed from the present AN6-16 to an AN6-17 bolt and a flat washer (STD-33) installed under the bolt head at assembly.

Kit LW13017 containing material for this modification is available free of charge through your Avco Lycoming Distributor. At the time the bracket support is installed the alternator belt should be replaced as described in Service Instruction No. 1254.



Installation of Alternator Bracket Support

PARTS DATA:

| Quantity | Part Number | Nomenclature |
|----------|-------------|---|
| 1 | LW13017 | Kit, Alternator Bracket Support (consists of) |
| 1 | AN6-17 | Bolt, 3/8-24 x 1.95 dr. end |
| 1 | STD-33 | Washer, plain, 3/8 inch |
| 1 | LW12762 | Support, alternator bracket |

17190 - This number for Avco Lycoming reference only.