

# SERVICE BULLETIN



REPUBLIC AVIATION CORPORATION  
FARMINGDALE, LONG ISLAND, NEW YORK  
SERVICE DEPARTMENT

JANUARY 21, 1947

**MANDATORY CHANGE**

SERVICE BULLETIN NO. 4

## REPLACEMENT OF AFT ENGINE LORD MOUNTS

REASON FOR CHANGE: To prevent shearing of rubber bonding on conical halves of the mount  
Resulting from engine static load imposed on them.

AIRPLANES AFFECTED: Republic Serial Nos. 5 through 189 inclusive. Serial Nos. 190 and up have  
Already had this change accomplished in production.

### DESCRIPTION OF CHANGE:

This change involves replacement of the present Lord Mount assembly with J-2860-5 Lord Engine Mount Assembly and shall be accomplished as follows:

1. Raise top engine cowl.
2. Jack or hoist the aft section of the engine, preferably at propeller shaft housing, high enough to relieve the static load on the mount and align the bolt holes in the engine support bracket with the hole in the mounting flange on the engine. This will make it possible to remove the mounting bolt and will produce proper alignment between the mounting bracket and the engine flange for installing the new assembly.
3. Remove the mount bolt, nuts and washers. Slide the two halves of the mounting brackets aft, and remove the mount assembly which consists of two conical bonded rubber halves and straight metal spacer.
4. Install the new J-2860-5 Mount Assembly consisting of two conical bonded rubber halves, which in appearance are the same as those removed, and the spacer. Before installing the spacer, the rubber spacer ring should be assembled on the spacer by pulling it over the end and sliding it to the center. Install the left hand cone in the engine flange, apex of cone facing inboard, move the left hand mounting bracket flange forward and over this half and start the bolt through the flange and cone. From the right hand side, install the spacer over the bolt and insert the other cone, apex facing inboard. Slide the bolt through the entire assembly. Assemble the washer and nut on the bolt. This bolt should be torqued 38 to 42 foot pounds. This completes the change. Refer to figure 1.
5. Make suitable entry in Log Book.

PARTS REQUIRED: Parts for this change may be obtained through your local dealer or distributor at no charge provided removed parts are promptly returned to Republic Aviation Corp. suitably marked as to serial number of airplane.

SERVICE BULLETIN NO. 4 (CONT.)

SERVICE BULLETIN KIT NO. 4 consists of the following:

1 ea. J-2860-5 Lord Engine Mount Assembly

Time Required: Approximately 1 man-hour is required to accomplish this change.

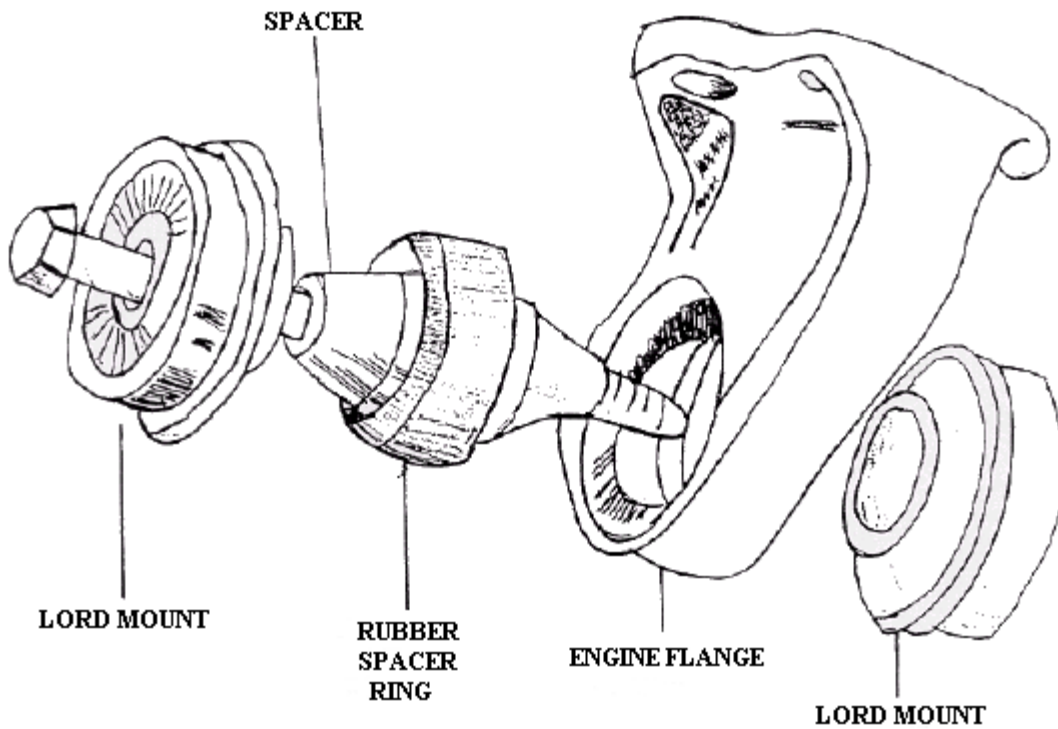


Figure 1