



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

May 6, 1947

No. 25

MAIN LANDING GEAR CLEVIS FITTING

Several cases of failure of the clevis fitting of the top of the main landing gear actuating cylinder have been reported. This failure may occur when a landing is made without the main landing gear being in the fully locked down position. On such landings excessive back pressures are built up in the hydraulic cylinder when the gear is forced into the retracted position with a result that the clevis is abnormally overloaded and may fail.

The clevis has been redesigned so that it will absorb higher loads of this type and consequently tend to prevent any mechanical failure. However, if a landing is made without the main gear down and locked, failure of this clevis may still occur as it has been designed to be the weakest link of the retracting mechanism to prevent more serious damage to other portions of the linkage.

The new type clevis has been incorporated in Seabees Nos. 200 and up. It is recommended that if present Seabee owners wish to take advantage of the increased strength of the new type clevis, it may be purchased as Spare Part No. 1482 at a list price of \$1.42.

W. H. Ehmann
Service Manager