

SUBJECT: MAIN LANDING GEAR SPRING ATTACHMENT LINK, P/N 560013-000; REMOVE AND REPLACE EXISTING LINK

MODEL/S/N
AFFECTED: MOONEY M20J - S/N 24-3079 THRU 24-3122

TIME OF
COMPLIANCE: WITH IN THE NEXT 50 HOURS OF FLIGHT OPERATIONS

INTRODUCTION: THESE PARTS MAY HAVE BEEN INSTALLED WITHOUT PROPER HEAT TREATMENT.

INSTRUCTIONS:

NOTE: Mooney Special Tool GSE 030012 will be required to accomplish this replacement action.

1. Jack aircraft per Service and Maintenance (S & M) Manual, Section 7.
2. Disconnect outboard gear door rods (fwd & aft) on LH & RH main gear doors.
3. Fully retract main landing gear using safety override switch after placing landing gear switch handle in the UP position.
4. Remove the grease fitting from LH & RH pivot bearing on forward spar.
5. Remove AN380-2-2 cotter pin and AN310-3 nut from spring attachment link bolt on main landing gear leg assembly. (See Figure 1)
6. Attach GSE 030012 special tool forward of spring attachment link, P/N 560013-000, with an AN3-12A bolt as shown in Figure 1. Rotate GSE tool in outboard direction using upper trunion shaft of landing gear leg as a fulcrum point.
7. AN3-5 bolt can be removed from link and MLG leg assembly when sufficient leverage is applied to GSE 030012 tool.
8. Remove AN3-12A bolt from GSE tool and old link. Remove 560013-000 link from retraction spring coil.
9. Place AN3-12A bolt back in GSE tool and a new link from this kit.
10. Remove and replace existing links, LH & RH gear, with the new links (included in kit) using reverse sequence of steps 4 thru 9.
11. Extend landing gear and reconnect both rods (fwd & aft) to LH & RH gear doors.
12. Perform a gear operation check per S & M, Section 32, and correct any discrepancies before taking aircraft from jacks.
13. Enter compliance note in aircraft logbook and return aircraft to service.

WARRANTY:

This kit should be ordered from the Mooney Service Center in your area. The replacement of these links will be handled under the normal Warranty of each aircraft.

Up to 1.5 hours labor will be allowed if a Warranty Claim and the two replaced links are submitted to the Service Parts Department within 180 days of the date of this Service Bulletin.

REFERENCE

DATA: MOONEY SERVICE AND MAINTENANCE MANUAL, NO. 121, SECTION 32.

PARTS LIST: KIT P/N - SBM20-244-1

ITEM	P/N	DESCRIPTION	QTY
1.	560013-000	LINK, MAIN GEAR SPRING ATTACH	2

FIGURE/TABLES:

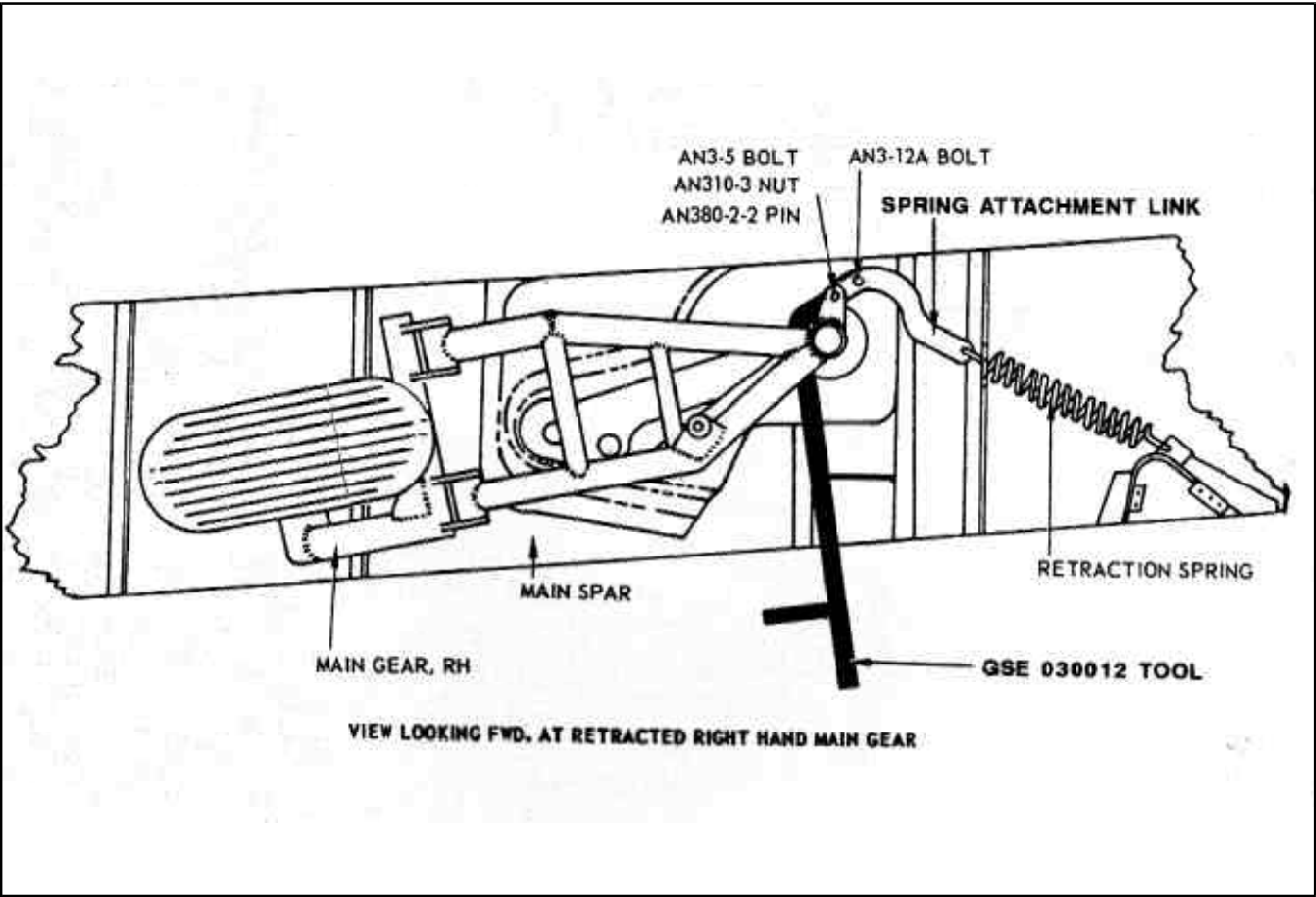


FIGURE - M20-244-1