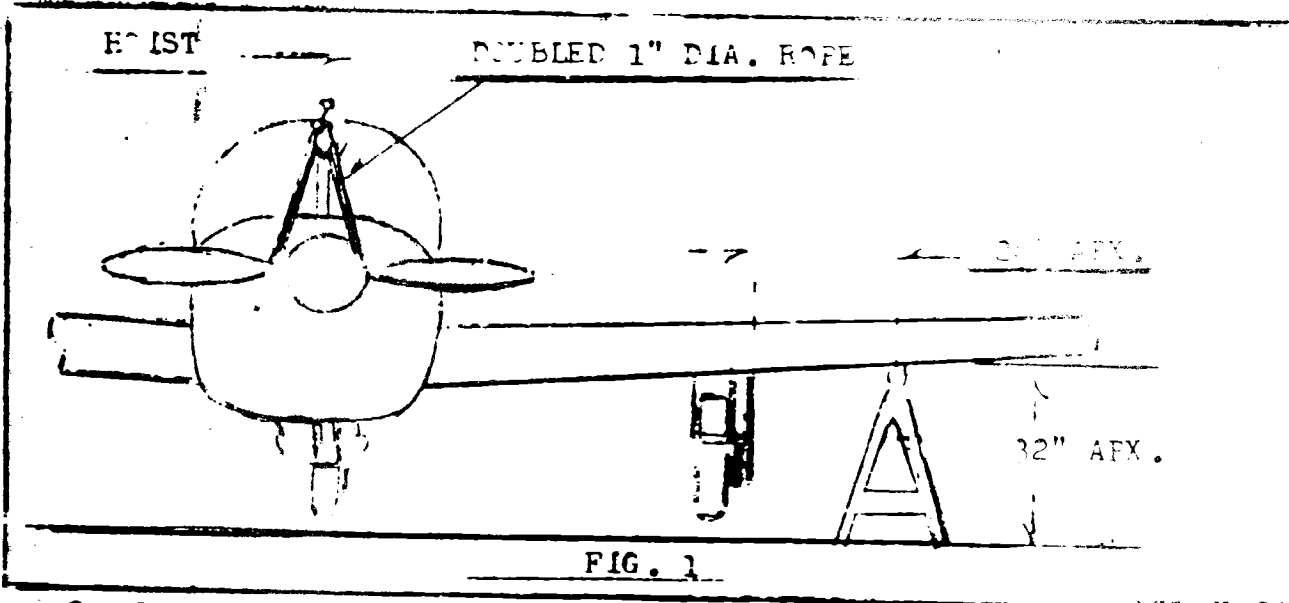


SERVICE LETTER 20-12
SERVICE BULLETIN M 20-12

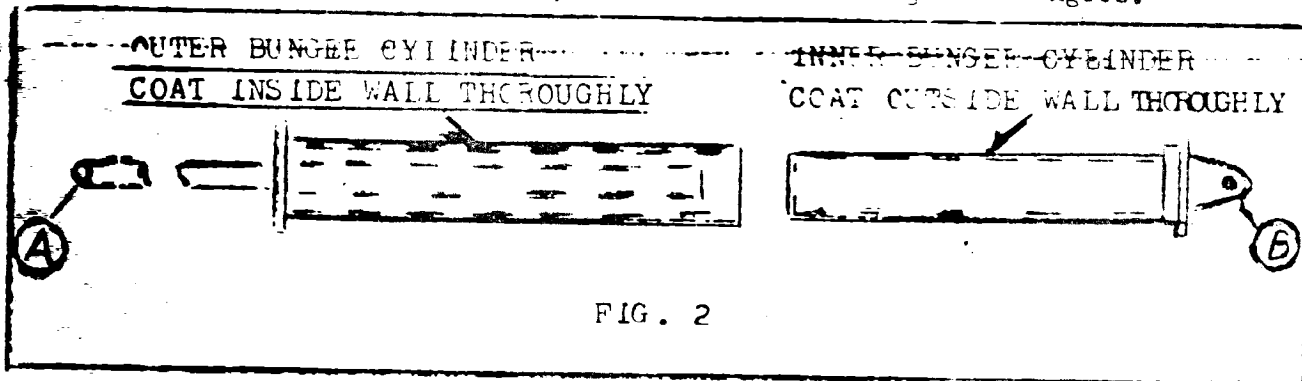
Date: 6-7-56.
 Subject: Greasing of Landing Gear and Retraction System.
 Reason: To Promote Easier Operation.
 Time of Compliance: As Needed.

Instructions:

1. Raise airplane so that main gear clears ground by lifting one wing at a time and placing a sturdy sawhorse 32 in. high under the spar approximately 26 in. outboard of the main gear door on each side. Using a doubled 1 in. rope make a harness for the propeller and hoist till the nose wheel just clears the ground (Fig. 1) and remove the two large access panels aft of the nose wheel well.

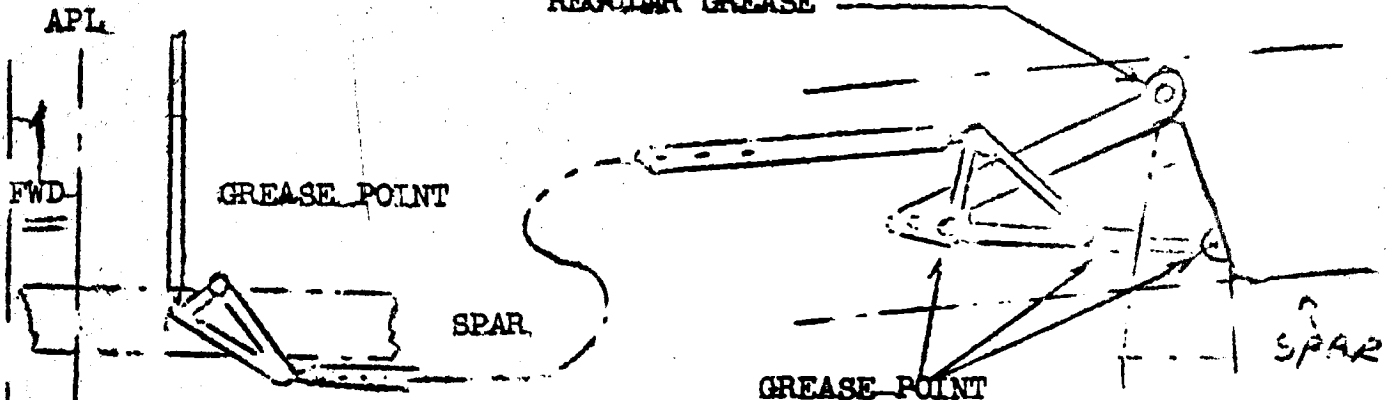


2. Retract gear and remove bungee assemblies.
3. Disassemble bungees, grease cylinders as shown in Fig. 2, and reassemble. Remove bushings through which bolts at A and B are inserted, grease outer surfaces thoroughly, and reinstall bushings and bungees.

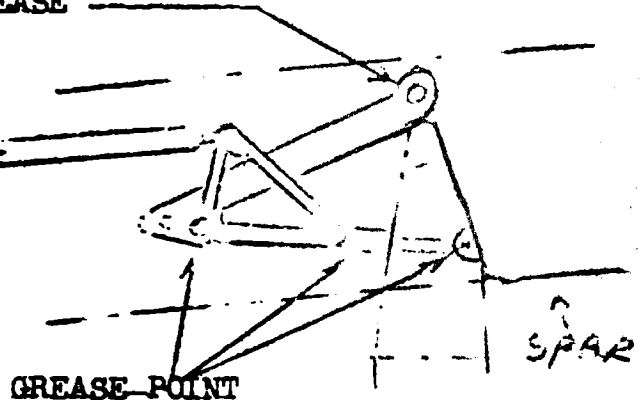


4. Extend gear and apply a light weight oil impregnated with graphite at points shown in Fig. 3 and work gear up and down to allow lubricant to spread over bearing surfaces thoroughly.
5. Extend gear, replace access panels, and lower airplane to ground.
6. If it is ever necessary to remove either main gear or nose gear, it is preferred that the bearing surfaces at points shown in Fig. 3 be coated thoroughly with light weight grease before gear is reinstalled.

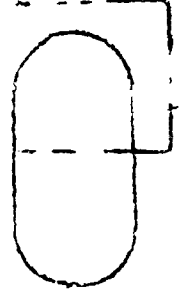
GREASE FORE & AFT BEARING IF GEAR REMOVED USE
REGULAR GREASE



VIEW-LKG UP AT SPAR

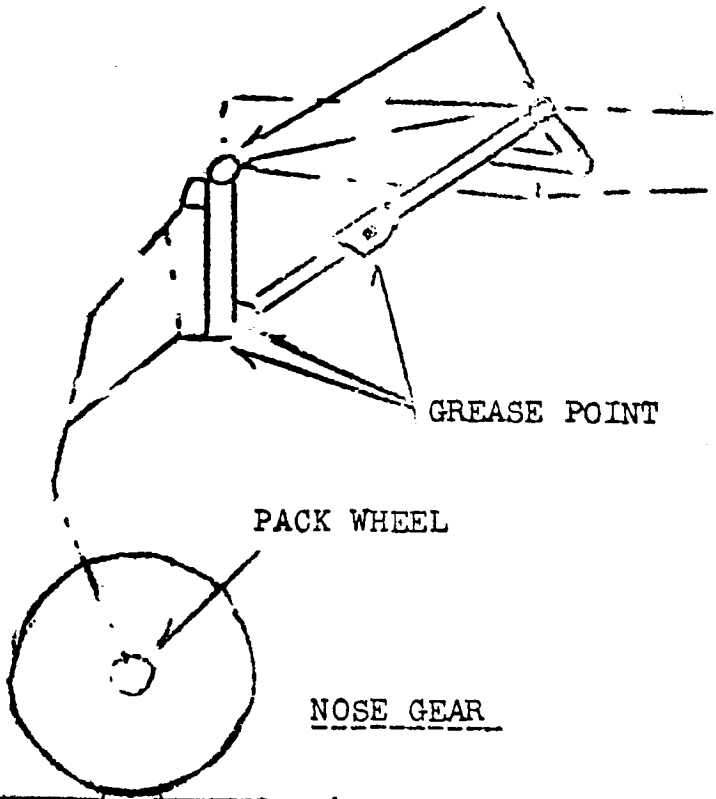


PACK WHEEL →



VIEW LKG AFT AT
THE GEAR

GREASE POINT
BOTH SIDES



NOSE GEAR

Figure 2