



SUBJECT: Replacement of Steering Shaft on Nose Gear Steering Horn Assy.

MODELS AFFECTED: M20C 690002 thru 690021 M20F 690002 thru 690032
M20E 690002 thru 690027 M20G 690004 thru 690008

TIME OF COMPLIANCE: MANDATORY compliance within 10 hours.

INTRODUCTION: Replacement of the shaft assembly P/N 720095-017 on the nose gear steering horn assembly P/N 720095-001 is required. Incidents have been reported indicating that the shaft assembly in question separated in the area where the shaft collar is welded to the shaft tube. To preclude the possibility of future breakage due to this condition, replace 720095-017 shaft assembly as follows:

INSTRUCTIONS: (Refer to figure on page 2 of 2 for location and orientation of all parts).

1. Raise aircraft on jacks.
2. Disconnect linkage on right nose gear door.
3. Partially retract gear.
4. Remove 720020-501 collar and attaching hardware.
5. Remove hardware attaching 720095-017 nose gear shaft assembly and bushing to 540004-503 leg.
6. Remove shaft assembly and replace with new 720095-017 assembly (with 1/8" thick collar), and new 914020-031 bushing. Grease assembly.
7. Reinstall 720020-501 collar and install nose gear steering horn assembly to 540004-503 leg with available hardware (see figure on page 2 of 2).
8. Reconnect linkage on right side nose gear door.
9. Make certain there is adequate clearance in area reworked while actuating rudder pedals.
10. Cycle test gear twice and remove aircraft from jacks.
11. Fill out and mail enclosed Service Bulletin Compliance card.

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20-172 Service

Bulletin Kit:

720095-017 shaft (1)
914020-031 bushing (1)
Service Bulletin Compliance Card (1)

This kit may be obtained free of charge from your local dealer or service center. Direct factory orders will not be accepted.

MOONEY SERVICE BULLETIN 20-172

