

SUBJECT: FUEL TANK FILLER CAP AND ADAPTER ASSEMBLY, MODIFICATION TO REMOVE O'RING FROM LOWER SEALING FLANGE

MODEL/S/N AFFECTED: Mooney M20K, S/N 25-0001 THRU 25-1213

TIME OF COMPLIANCE: At owners discretion.

INTRODUCTION: Field reports have been received of aircraft landing after flights at high altitude where fuel tank caps are very difficult to remove for refueling purposes. This is suspected to be caused by vacuum forming between the filler cap and the flapper door assembly in the fuel cap adapter assembly.

To eliminate this condition, it is authorized to remove the O'ring from the lower sealing surface of the adapter assembly if desired.

INSTRUCTIONS:

NOTE

This procedure is at the discretion of the aircraft owner if symptoms described above have been experienced.

1. This procedure should not be attempted when fuel tanks are more than 3/4 full.
2. Remove fuel tank filler cap assembly; leave attached to lanyard.
3. Push flapper door assembly down and wedge it in the open position with any suitable non-metallic item. Place restraint on wedge used so that it can be recovered if dropped inside tank.
4. Using a sharp, curved pick, ie., dental tool, or similar device remove O'ring that is installed in a groove on the bottom surface of the adapter assembly (Refer to Figure SIM20-84-1).
BE CAREFUL THAT THE REMOVED O'RING DOES NOT FALL DOWN INTO THE FUEL TANK.
5. Repeat steps 1. through 4. on other tank.
6. Re-install fuel filler cap assembly on both tanks
7. Enter compliance data into aircraft logbook and return aircraft to service.

WARRANTY: N/A

REFERENCE DATA: N/A

PARTS LIST: N/A

FIGURES/
TABLES: SEE FIGURE SIM20-84-1 BELOW

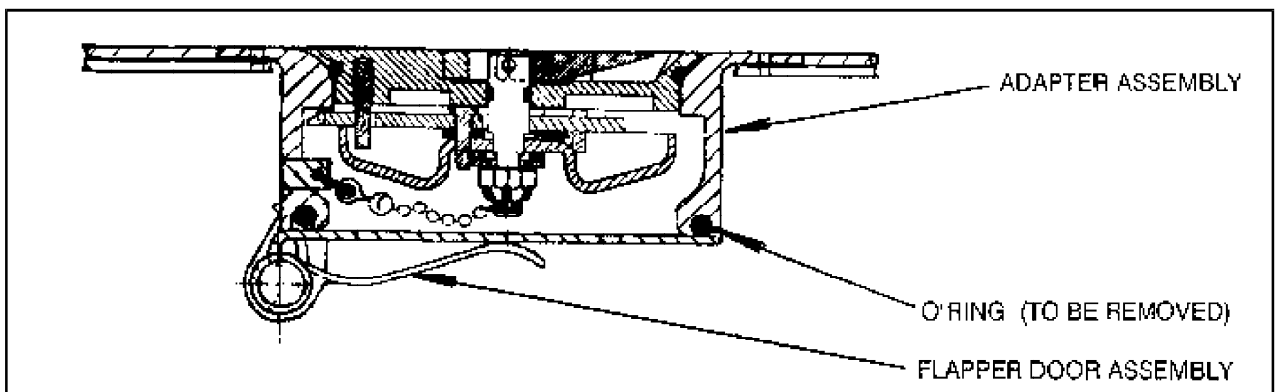


FIGURE SI M20-84-1