

e. If the spar support assembly is to be removed with the actuating arms and transmission assembly attached, the following procedure may be used:

1. Disconnect the electrical leads to the motor and coil assemblies on the forward right side of the spar support assembly.
2. Disconnect the electrical lead to the flap position sender on the right rear side of the support assembly by removing the attaching nut.
3. Disconnect the cable fork end or turnbuckle end at each actuating arm by removing the cotterpins, castellated nuts and bolts.
4. Remove the cable pulleys from their brackets by removing the nuts, washers and bolts.
5. Remove the support from the recess between the two longitudinal bulkheads by removing the nuts, washers and bolts securing it to the bulkhead.
6. Disconnect the spar support assembly from the main and rear spars by removing the nuts, washers and bolts. Note the location of the shim washer to one side of the plate between the angles at the rear spar.
7. Draw the spar support assembly from its recess in the center fuselage.

#### 5-50. CLEANING, INSPECTION AND REPAIR OF FLAP TRANSMISSION.

- a. Clean the transmission assembly with a suitable solvent.
- b. Inspect the transmission tube for excessive end or side play on the transmission screw.
- c. Ascertain that the transmission tube and screw are not distorted or bent.
- d. Check that the screw bearing is not loose on the transmission screw or within the transmission housing. Excess wear can be determined by holding the transmission and moving the screw up and down.
- e. Check for excess wear within the transmission by turning the screw by hand and noting the end and side play in the transmission drive shaft. End play should not be great enough to cause end pressure on the motor drive shaft.
- f. Should any of these checks show excess wear, corrosion or damage, the transmission or its components should be replaced.
- g. When the transmission assembly is disassembled for any reason, or at 500 hours, it should be repacked with MIL-G-23827 grease.

#### NOTE

Refer to Lubrication Chart, Special Instructions for specific lubrication instructions of flap transmission assembly.