

5-20. OPERATIONAL CHECK - OLEO DAMPERS. Perform the following preflight inspection procedure to check for proper extension of oleo dampers and evidence of excessive leakage. Aircraft should be in empty weight (no passengers or cargo aboard) configuration, but with full fuel.

TOOLS AND EQUIPMENT

Gage - measuring

Local manufacture

- a. Place aircraft on hard smooth surface, which permits free lateral movement of skids during inspection.
- b. Visual inspect all four oleo dampers for evidence of leakage.
- c. Lift tailboom at tail rotor gearbox to height of five feet and release slowly.
- d. Using special check tool, measure oleo damper extension from top surface of gland nut (through boot material) to center of top oleo attaching bolt. Extension for front oleo is 2.93 inch minimum; rear oleo extension is 2.30 inch minimum.
- e. Remove oleo damper from aircraft, if extension is out of limits or leakage is noted. (Refer to Handbook of Maintenance Instructions, Section IX for Oleo Damper Maintenance.)

CAUTION

Ground resonance can result if aircraft is operated when oleo damper extension, fluid type, and/or fluid-to-air proportions are incorrect.

5-21. FILTER-INDUCTION SYSTEM. A porous paper filter is utilized to remove all foreign material from the air before it enters the induction system. The filter is

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Hughes 300 Model 269B Helicopter