

117. SYSTEM PRESSURE.

Hydraulic system relief pressure should be 13240-14690 kPa (1920-2130 psi) on all models. To check relief pressure, remove plug from test port in hydraulic cylinder cover and install a pressure gage as shown in Fig. 154. Disconnect linkage feedback rod (1—Fig. 156) and remove position control lever upper stop. With hydraulic fluid temperature at approximately 40°C (100°F) and engine operating at high idle speed, move draft control lever (if equipped) and position control lever to highest positions and note pressure gage reading when relief valve is actuated. If pressure is not within specified limits, remove plug (1—Fig. 155) from relief valve assembly and add or remove shims (3) to obtain desired pressure relief setting. Reconnect and adjust linkage feedback rod as outlined in following paragraph.

118. LINKAGE ADJUSTMENT.

To adjust position control feedback rod, start engine and move position control lever to "LIFT" position. Shorten feedback rod (Fig. 156) until relief valve is actuated, then lengthen rod one full turn and tighten locknut. Operate position control lever from full down position to full up position to make sure relief valve is not actuated.

To adjust draft control (if so equipped), attach a weight of approximately 10 kg (20 pounds) to hitch lower links. Place position control lever in "LIFT" position and draft control lever in "DOWN" position. Operate engine at rated speed and use a test bar (Fig. 157) to lift top link holder all the way forward. Hitch should start to raise when draft control lever is moved to "1" marking on lever guide. Adjust length of draft control rod (3—Fig. 158), if necessary, to obtain recommended draft control operation.

Fig. 157—Use a test bar to lift top link holder fully forward when adjusting draft control linkage.

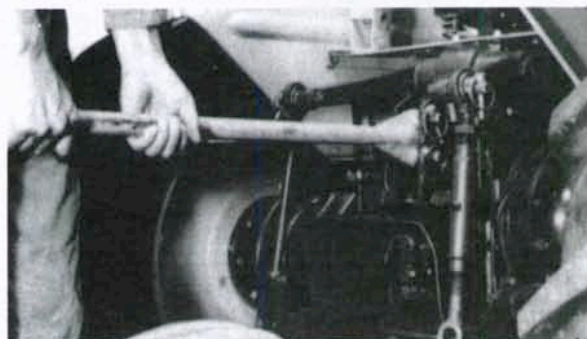


Fig. 158—Adjust length of draft control rod (3) so hitch starts to raise when draft control lever (1) aligns with "1" marking on lever guide.

1. Draft control lever
2. Locknut
3. Draft control rod

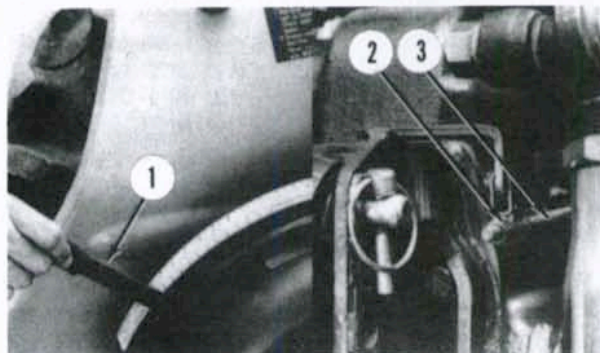


Fig. 159—Dimensions for test bar used in draft control adjustment.

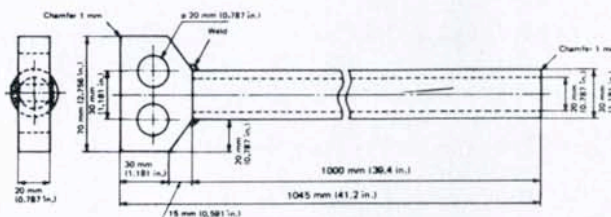


Fig. 160—Exploded view of typical hydraulic pump used on Models L185, L235, L245, L285 and L295.

1. Retaining ring
2. Oil seal
3. Body
4. "O" rings
5. Bushings
6. Key
7. Driven gear
8. Drive gear
9. "O" ring
10. End cover
11. "O" ring

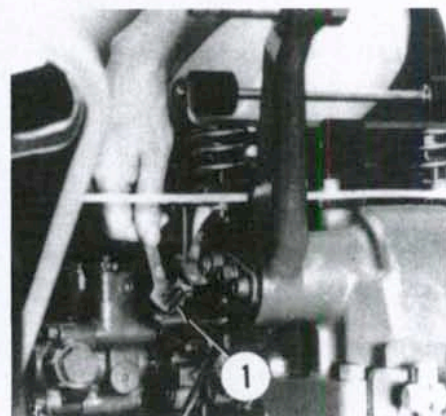
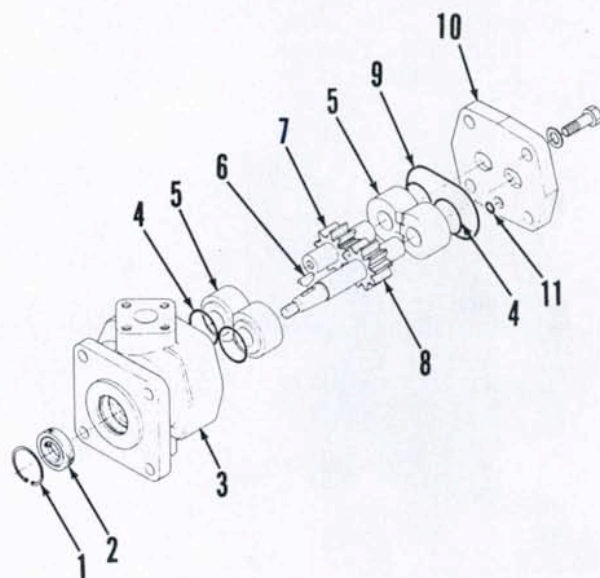


Fig. 156—View of position control feedback rod adjustment on Model L275. Other models are similar. Refer to text for adjustment procedure.