

4. Put a flat metal (Example: Key Stock) against the spiders on the drive coupler, to check coupling alignment (Fig. 3-151).
5. Loosen engine mounts if necessary and move engine to make alignment of drive coupler.
6. If the height alignment is not correct, add or subtract half thickness washers at the rear pump mount. Correct height specifications for pump drive is shown in figure 3-152.

NOTE: Measure from engine mounting plate to center of pump shaft. Also measure engine distance to center of the flywheel, the two dimensions must be as close as possible.

7. Check engagement of coupling onto spline. Maximum clearance between pump drive flange and yoke is 0.250 inch (6,35 mm).

3-8 TOWING THE BOBCAT LOADER

The tool listed will be needed to do the following procedure:

MEL1179.2 – Towing Tool

3-8.1 Towing The Bobcat Loader

1. Use cleaning solvent and compressed air to clean the area around the two high pressure relief valves on the hydrostatic pumps.

IMPORTANT

When repairing hydrostatic and hydraulic systems, clean the work area before disassembly and keep all parts clean. Always use caps and plugs on hoses, tubelines and ports to keep dirt out. Dirt can quickly damage the system.

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2. Remove one plug, spring and high pressure relief valve from the front pump (Fig. 3-153) and remove the same from the rear pump (Fig. 3-154).
3. Install the tools (Fig. 3-155, Items 1 and 2) and then install only the plugs. Tighten the plugs.
4. Now the loader can be moved (towed) at a slow speed (2 MPH [1,6 km/hr]) for a short distance such as 75 to 100 feet (23 to 30 m).
5. To remove the tool, first remove the plug, then install the small bolt (supplied with tool) into the end of the tool and pull it out.

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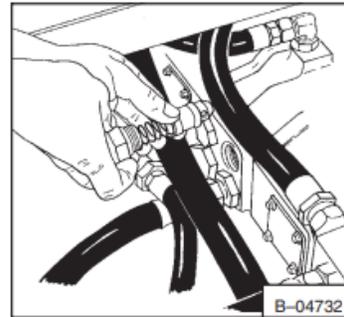


Fig. 3-153 Removing Relief Valve

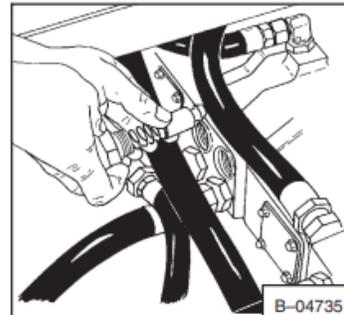


Fig. 3-154 Removing Rear Relief Valve

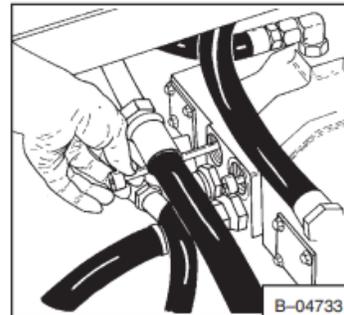


Fig. 3-155 Installing Tool

641, 642, 643 Loader
Service Manual