

FIG. 7

DISASSEMBLY

FIG. 7: Remove the Cylinder case assembly referring to Major Component Disassembly.

Remove the position lever assembly and position control arm.

Remove the tension spring, spring hook and a pin which connects spool link comp.

Remove the spring pin of adjust screw.

Remove the main control valve assembly with adjust pin.

Remove the safety valve assembly, then remove the cylinder head.

Remove the lift arm (RH).

NOTE: Make sure that aligning marks are applied on both the lift arms and lift shaft. The lift shaft can be withdrawn only leftward.

Take out lift shaft leftward.

NOTE: Make sure that aligning marks are applied on the lift shaft and lift crank.

Take out the link mechanism along with lift crank.

Separate rod and lift crank from each other.

Draw out piston from the cylinder head side.

J-12 - HYDRAULIC

REASSEMBLY

Reassemble in reverse order of disassembly by following these instructions:

Carefully and thoroughly clean all parts. Never allow foreign matter into the system.

When installing the lift crank and the lift arm on the lift shaft, align the marks on the lift crank and the lift arm. The difference in height about the ground between both lift arms must be maintained within 6mm (.24") when they are lowered by 8 degrees from the level position.

FIG. 8: When installing the adjust pin, 1, apply grease to the groove for O-ring, 2, and over the friction surface.

Before installing the control valve, 3, secure the O-ring with grease so that it will not drop.

When installing the adjust pin through the cylinder case, make the projection of the valve, with which the descending speed of the valve is adjusted, be securely seated in the groove in the end of the adjust pin. Temporarily tighten the valve to confirm that the adjust pin turns smoothly before securely tightening the valve.

Before and after installing the valve assembly, confirm that the spool works normally.

FIG. 9: When installing the safety valve assembly, mount the O-ring, 1, with a thin coat of grease. Do this carefully to assure that it is not damaged. Then tighten the valve to the specified torque: 8.5 - 10 kgfm (61.5 - 72.3 ft. lbs.).

FIG. 10: After having installed the parts inside the cylinder case: shaft, crank, links, etc., make sure the spool link, the related parts, and the spool work smoothly.

When installing the sub-control cover and the cylinder head, make certain that the oil holes, 1, are not clogged.

FIG. 11: Adjust the starting torque of the control lever, 1, to between 1.5 (3.3lbs) and 1.8kg (4.0lbs) with the aid of the bolt M6 x 40.

When installing the suction pipe assembly, securely clamp the rubber hose connecting pipe A and B so as not to let air in. Centering deflection between pipe A and B should be maintained within 4mm (.16"). Take care not to apply excessive stress to the connecting rubber hose during installation.

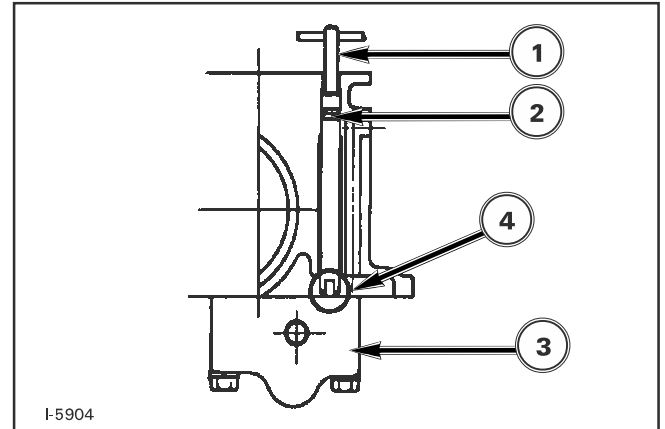


FIG. 8

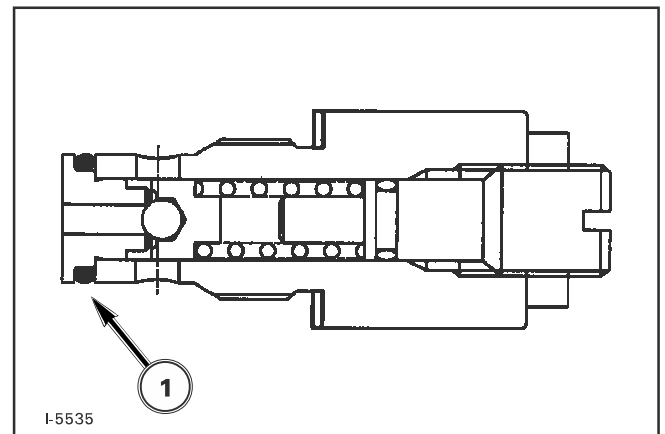


FIG. 9

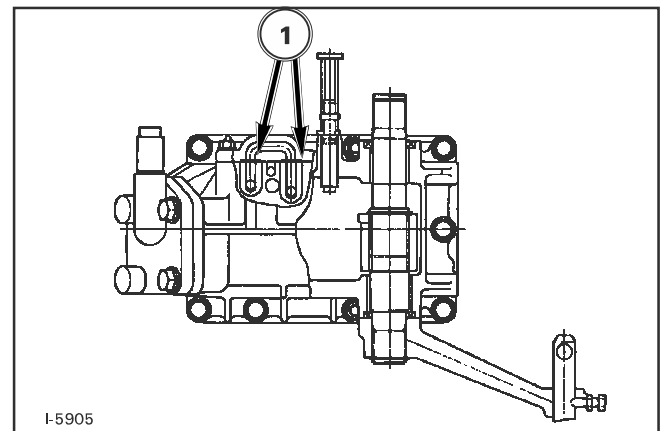


FIG. 10

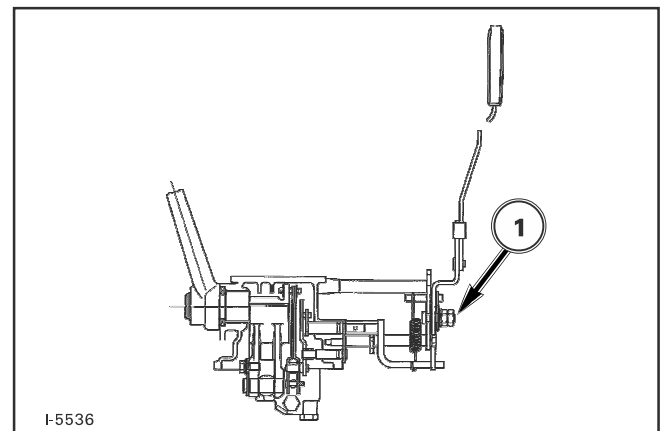


FIG. 11