



NEW OR REPLACEMENT PUMP INSTALLATION INSTRUCTIONS

NEW PUMP INSTALLATION?

If you are setting up a new hydraulic system, please read and follow the instructions below:

1. Be sure that this pump is of the correct displacement (flow rate) and pressure rating to operate your equipment.
2. Thoroughly clean out your hydraulic system. The reservoir should be completely wiped clean. Before installation, the hydraulic lines and hoses must be cleaned as well.
3. Fill the reservoir with clean new hydraulic oil of the correct viscosity for your operating environment.
4. If this is other than a dump pump, find the main relief valve and back it all the way out counter clockwise.
5. Install a 0–3,000 PSI pressure gauge tee'd into the outlet of the pump.
6. Make sure that the reservoir is full of oil and if there is a shut-off valve, insure that it is opened to allow full flow to the pump. Crack the fitting at the pump inlet until the flow of oil reaches the pump and then re-tighten fitting.
7. Start the engine and engage the PTO if so equipped. Gradually increase engine speed to the maximum engine RPMs that could be seen during equipment operation. While constantly monitoring the pressure gauge, engage control valve to move a cylinder. The cylinder should not move because the relief valve is completely open. While engaging the control valve, gradually turn the relief valve in (clock-wise) while monitoring the pressure gauge until the cylinder moves. Wait until the cylinder reaches end of stroke before further adjustment of the relief valve. Now adjust the relief valve until you reach the correct maximum pressure for your system (see your equipment manufacturer's specifications). Remember, for a pressure relief valve to protect all the components in your system it must be set below the maximum rating of the lowest rated component in your system. Once you have reached the proper setting, lock the relief adjustment.
8. Cycle all the cylinders and motors several times to flush all of the lines. Change the filter element. Check the reservoir oil level and add oil if necessary.
9. Change the filter again after the first week of service and thereafter according to the indicator gauge on the filter.

NOTE: *Some hydraulic valves contain one or more work sections that have work port reliefs. If you have difficulty in reaching the desired maximum relief valve setting once again back out the relief valve adjustment and engage another valve section that does not have a work port relief.*

REPLACEMENT PUMP?

If you are replacing a failed pump in an existing system, please read and follow the instructions below:

1. Be sure that this replacement pump is of the correct displacement (flow rate) and pressure rating to operate your equipment. Substituting a larger pump for the smaller original pump may only compound your problems and result in early failure. If the replacement pump is smaller, the operating speed of your equipment may be affected.
2. Be sure to completely clean the hydraulic system. The oil should be drained and the reservoir should be completely wiped clean. The filter should be changed and the hydraulic lines cleaned.
3. Fill the reservoir with clean new hydraulic oil of the correct viscosity for your operating environment.
4. If this is other than a dump pump, find the main relief valve and back it all the way out counter clockwise.
5. Install a 0–3,000 PSI pressure gauge tee'd into the outlet of the pump.
6. Make sure that the reservoir is full of oil and if there is a shut-off valve, insure that it is opened to allow full flow to the pump. Crack the fitting at the pump inlet until the flow of oil reaches the pump and then re-tighten fitting.
7. Start the engine and engage the PTO if so equipped. Gradually increase engine speed to the maximum engine RPMs that could be seen during equipment operation. While constantly monitoring the pressure gauge, engage control valve to move a cylinder. The cylinder should not move because the relief valve is completely open. While engaging the control valve, gradually turn the relief valve in (clock-wise) while monitoring the pressure gauge until the cylinder moves. Wait until the cylinder reaches end of stroke before further adjustment of the relief valve. Now adjust the relief valve until you reach the correct maximum pressure for your system (see your equipment manufacturer's specifications). Remember, for a pressure relief valve to protect all the components in your system it must be set below the maximum rating of the lowest rated component in your system. Once you have reached the proper setting, lock the relief adjustment.
8. Cycle all the cylinders and motors several times to flush all of the lines. Change the filter element. Check the reservoir oil level and add oil if necessary.
9. Change the filter again after the first week of service and thereafter according to the indicator gauge on the filter.

NOTE: *Some hydraulic valves contain one or more work sections that have work port reliefs. If you have difficulty in reaching the desired maximum relief valve setting once again back out the relief valve adjustment and engage another valve section that does not have a work port relief.*



A Member of the Interpump Group

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