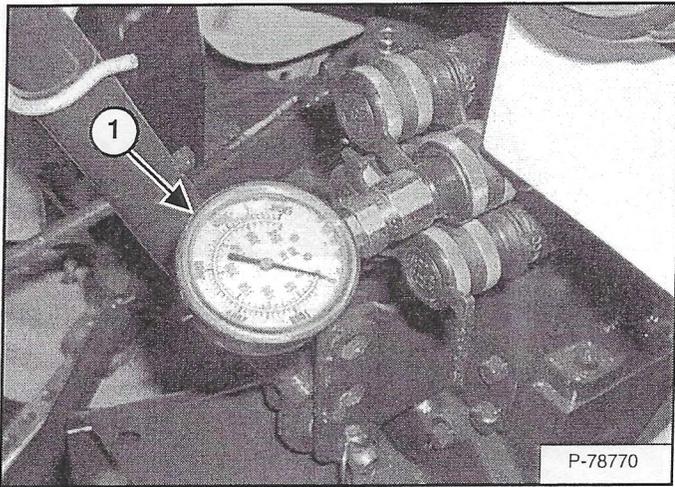


## MAIN RELIEF VALVE (CONT'D)

### Testing And Adjusting The Main Relief Valve (Cont'd)

For Machines Without Joystick And Equipped With Rear Auxiliary Hydraulics

Figure 20-20-5



Install the coupler / gauge assembly (Item 1) [Figure 20-20-5] onto one of the rear auxiliary couplers.

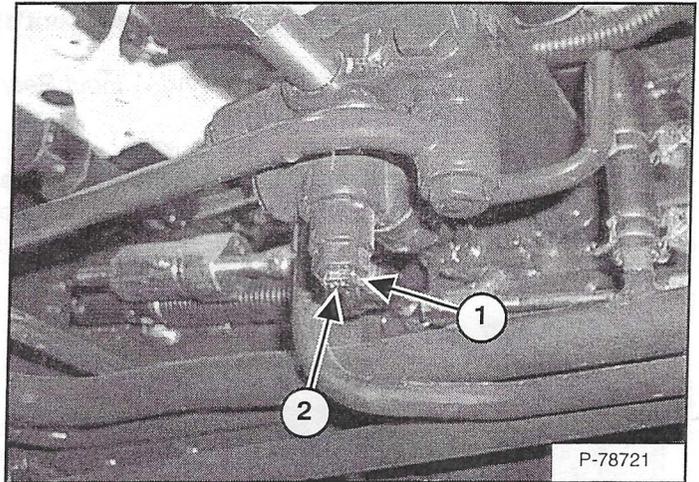
Engage the parking brake, and start the engine. Increase the engine speed to full rpm.

Engage the control lever for the rear auxiliary coupler.

The main relief valve pressure shown on the gauge should be 17651 kPa (177 bar) (2560 psi).

If adjustment is needed, disengage the control lever for the rear auxiliary coupler, decrease engine speed to low rpm and stop the engine.

Figure 20-20-6



Loosen the nut (Item 1) and turn the adjustment screw (Item 2) [Figure 20-20-6] clockwise to increase pressure, counter clockwise to decrease pressure.

Tighten the nut (Item 1) [Figure 20-20-6] after adjusting the screw.

## 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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Retest the main relief valve after adjustment.

## MAIN RELIEF VALVE (CONT'D)

### Testing And Adjusting The Main Relief Valve (Cont'd)

*For Machines Equipped With Joystick And Without Rear Auxiliary Hydraulics*

**NOTE:** If the machine is equipped with the loader [Figure 20-20-7] and [Figure 20-20-8] are not performed. Disconnect the hydraulic hoses from the loader to the valve.

Figure 20-20-7



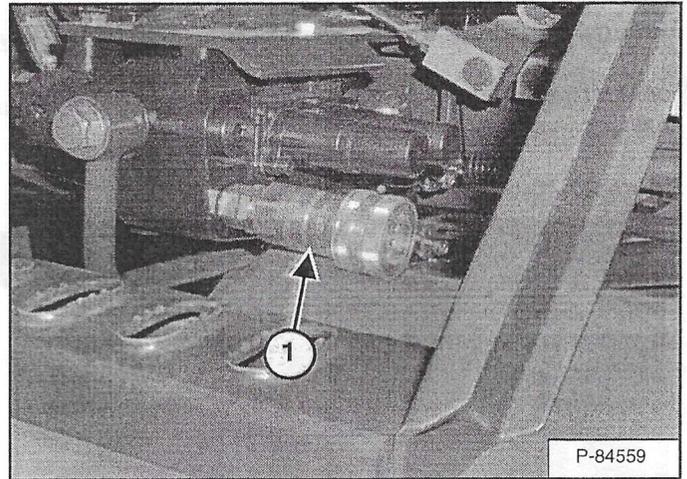
Remove the plug (Item 1) [Figure 20-20-7] from the boom down port.

## 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.

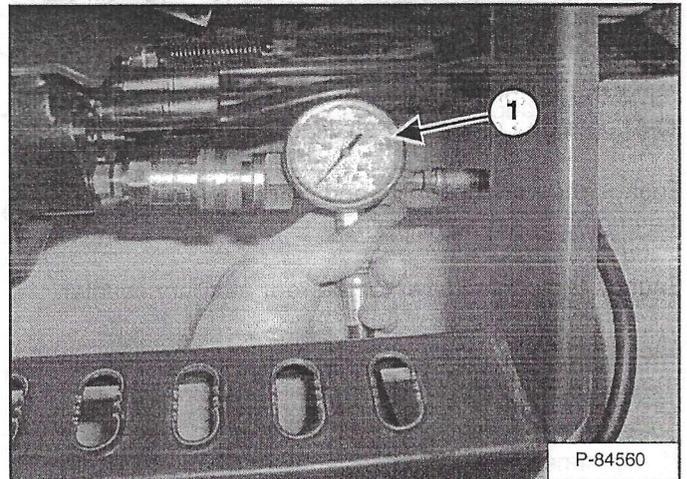
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Figure 20-20-8



Install the loader female quick coupler (Item 1) [Figure 20-20-8] in the port.

Figure 20-20-9



Install the loader male quick coupler on the test gauge / hose assembly. Connect the gauge / hose assembly (Item 1) [Figure 20-20-9] to the valve.

Engage the parking brake and start the engine. Increase the engine speed to full rpm.

Move the joystick lever to the boom down position (forward as viewed from the operators seat). Do NOT engage the float position.

The main relief valve pressure shown on the gauge should be 17651 kPa (177 bar) (2560 psi).

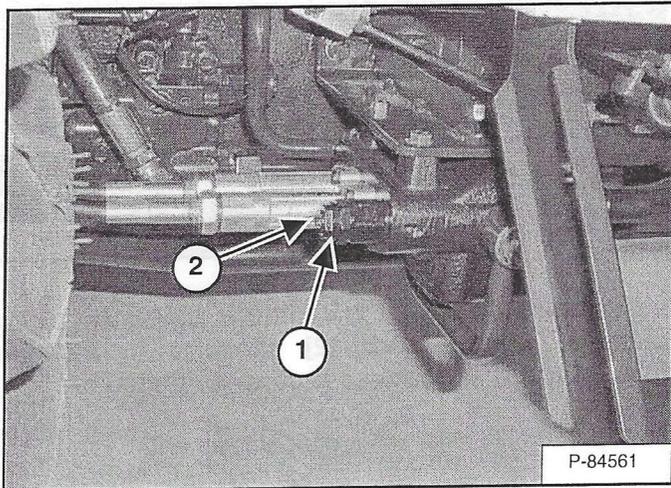
If adjustment is needed, move the joystick lever to the neutral position, decrease engine speed to low rpm and stop the engine.

## MAIN RELIEF VALVE (CONT'D)

### Testing And Adjusting The Main Relief Valve (Cont'd)

*For Machines Equipped With Joystick And Without Rear Auxiliary Hydraulics*

**Figure 20-20-10**



Loosen the nut (Item 1) and turn the adjustment screw (Item 2) **[Figure 20-20-10]** clockwise to increase pressure, counter clockwise to decrease pressure.

Retest the main relief valve after adjustment.

## MAIN RELIEF VALVE (CONT'D)

### Testing And Adjusting The Main Relief Valve (Cont'd)

*For Machines Equipped With Both Joystick And Rear Auxiliary Hydraulics*

Figure 20-20-11

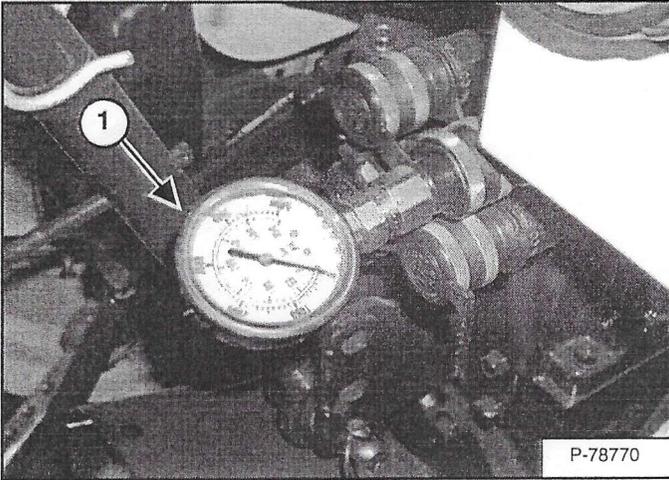
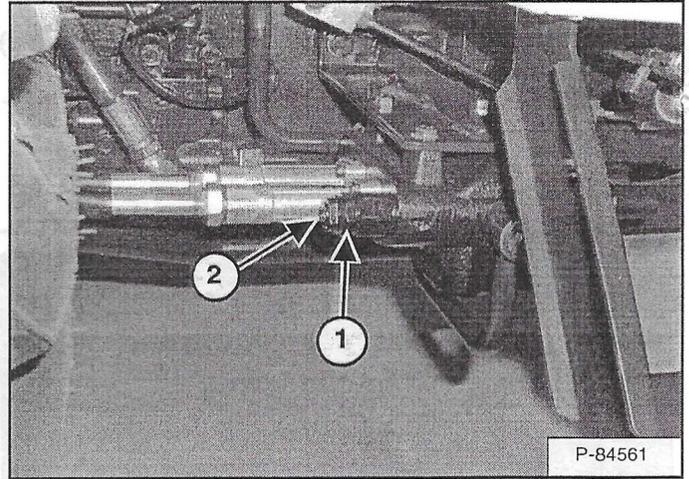


Figure 20-20-12



Loosen the nut (Item 1) and turn the adjustment screw (Item 2) [Figure 20-20-12] clockwise to increase pressure, counter clockwise to decrease pressure.

Retest the main relief valve after adjustment.

Install the coupler / gauge assembly (Item 1) [Figure 20-20-11] into one of the rear auxiliary couplers.

Engage the parking brake and start the engine.

Increase the engine speed to full rpm.

Engage the correct control lever for the rear auxiliary coupler.

The main relief valve pressure shown on the gauge should be 17651 kPa (177 bar) (2560 psi).

If adjustment is needed, disengage the control lever for the rear auxiliary coupler, decrease engine speed to low rpm and stop the engine.