

# ASSEMBLY

2. Remove tractor remote valve inlet and outlet hoses and fittings from tractor selector (relief) valve. Reconnect fittings and hoses to relief valve (21) Figure 3.

**NOTE:** Make sure hose from front inlet port of tractor remote valve is connected to relief valve port next to the relief cartridge.

3. Install 3/8-3/8 x 90° adaptor fittings (23) Figure 3 into tractor selector (relief) valve and connect 3/8 x 14" hoses (22). Connect the other end of 3/8 x 14" hoses (22) Figure 3 to adaptor fittings (19) in relief valve (21).

**NOTE:** Make sure hose from front pressure port of tractor selector valve is connected to relief valve port next to the relief cartridge.

- Stop engine and relieve pressure before connecting or disconnecting lines.

- Tighten all connections before starting engine or pressurizing lines.

If any fluid is injected into the skin, obtain medical attention immediately or gangrene may result.

4. After all plumbing is completed, start the tractor engine and slowly cycle lift and bucket cylinders several times to free the system of air, then retract cylinders and stop engine. Add additional Ford 134B hydraulic oil as specified in your tractor owner's manual, to bring the oil level up to the full mark.

**NOTE:** When cycling the loader, pulling valve control handle back should raise the loader and pushing it forward should lower the loader. Pulling valve control handle to the left should roll back bucket and pushing it to the right should dump the bucket. If direction of control handle is reversed, switch quick coupler connections at the tractor remote valve.

## PLUMBING LOADER TO TRACTOR REMOTE VALVE

1. Install optional lift cylinder 1-way restrictor to prevent loader from lowering too fast by placing 1-way restrictor plate with .109 hole (17) Figure 3 into 3/8-9/16 restrictor fitting (15) with grooved side of plate facing out. Install 9/16-3/8 adaptor fitting (18) Figure 3 into restrictor fitting (15) and connect it to 3/8 x 42" hose (14) attached to boom oil line tube (12) from base end of lift cylinders.
2. Install optional bucket cylinder 1-way restrictor to prevent bucket cylinder cavitation by placing 1-way restrictor plate with .062 hole (16) Figure 3 into 3/8-9/16 restrictor fitting (15) with grooved side of plate facing out. Install 9/16-3/8 adaptor fitting (18) Figure 3 into restrictor fitting (15) and connect it to 3/8 x 42" hose (14) attached to boom oil line tube (10) from rod end of bucket cylinders.
3. Install quick couplers (not supplied with loader) to the 3/8 x 42" hoses (14) Figure 3 and optional restrictor fittings (15) attached to the 3/8 x 42" hoses, then plug couplers into tractor remote valve couplers.

**NOTE:** When plugging couplers into tractor remote valve couplers, make sure the hydraulic lines for the lift cylinders are connected to the two lower working ports with float position and the lines for the bucket cylinders are connected to the two upper working ports.



**WARNING:** Escaping hydraulic fluid under pressure can penetrate the skin causing serious injury.

- DO NOT use your hand to check for leaks. Use a piece of cardboard or paper to search for leaks.

## INSTALLING OPTIONAL AUXILIARY 2-LEVER CONTROL VALVE

1. Fasten valve (5) Figure 4 to the valve mounting bracket (3) with 5/16 x 2-1/2 cap screw (4) Figure 4 and lock nut. Attach valve handles (9) Figure 4 to the valve casting with S-hooks (8) Figure 4, then fasten handles to the valve spools with 1/4 x 3/4 pins (6) Figure 4 and 1/16 x 1/2 cotter pins (7).
2. Slide tube of valve mounting bracket (3) Figure 4 into the valve support tube on the inside of right side frame, then locate valve handles conveniently for operator and secure tube with 1/2 x 1" square head set screw (1) Figure 4.

## PLUMBING LOADER TO OPTIONAL AUXILIARY 2-LEVER CONTROL VALVE

1. Install 7/8-3/8 x 90° adaptor fittings (10) Figure 4 into the inlet and outlet ports of valve (5). Install 9/16-3/8 x 90° adaptor fittings (13) Figure 4 into the front two working ports of valve and 9/16-3/8 adaptor fittings (11) and 3/8-3/8 x 90° adaptor fittings (12) into the rear two working ports of valve.

**NOTE:** Make sure 1-way restrictor plate (2) Figure 4 is positioned in the left front working port "B" and 1-way restrictor plate (23) in the right front working port "D" of valve with grooved side facing out.