

**BUNDLE 2-5526**  
**LOADER CONTROL VALVE & PLUMBING**  
**TO TRACTOR HYDRAULICS INSTRUCTIONS**  
**FOR FORD 1320, 1520 & 1720 2WD & 4WD TRACTORS**

The valve and plumbing can be installed on the tractor and loader using tools ordinarily available. Engage tractor brakes and shut off tractor engine during installation.

**NOTE:** Apply sealant to tapered pipe threads.

**INSTALLING CONTROL VALVE**

1. After removing plastic plugs in the ports of valve (1), install 3/8 x 14" hoses (2) into the four working ports to hold restrictor plates from falling out of valve ports when installing valve upside down.

**NOTE:** Make sure 1-way restrictor plate with .109 hole is positioned in port "D" of valve with grooved side facing out to prevent the loader from lowering too fast. Also make sure 1-way restrictor plate with .062 hole is positioned in working port "B" of valve with grooved side facing out to prevent bucket cylinder cavitation.

2. Install 3/4 - 9/16 x 90° elbow fitting (3) into inlet port of control valve (1) and install 3/4 - 9/16 straight fitting (4) into outlet port.
3. Install valve (1) and control lever(s) to the valve mounting bracket (5) according to the instructions packed with the optional handle kit.

**PLUMBING CONTROL VALVE TO LOADER**

1. Route hoses (2) from valve (1) to holes in valve mounting bracket (5) as shown. Install female quick couplers (8) to hoses (2), capturing valve mounting bracket (5) between couplers and hoses.
2. Fasten valve mounting bracket (5) to the right mid mounting bracket, placing the auxiliary valve at a comfortable height for the operator, using 1/2 x 2-1/2 cap screws (6) and lock washers (7). Saw off excess tube below mid mounting bracket.
3. Install male quick couplers (9) onto 3/8 x 78" hoses (10). Install hoses (10) onto boom oil lines, starting from the bottom and working up. Loosening the first oil line clamp will ease hose installation.
4. Connect hoses from the lower two boom oil lines to the left quick couplers and connect hoses from the upper two boom oil lines to the right quick couplers as shown. Secure hoses together with one adjustable tie strap (16). Install colored spiral bands (11, 12, 13 & 14) at quick couplers for identification.
5. Wrap one end of rubber strap (15) around the 3/8 x 78" hoses (10) and hook it back on itself as shown. Attach the other end of rubber strap to the bolt through the front right corner of the loader side frame.

## PLUMBING CONTROL VALVE TO TRACTOR HYDRAULICS

1. Install one 3/4 - 3/4 x 90° elbow fitting (18) onto 3/4 - 9/16 straight fitting (4) in outlet port of auxiliary valve. Remove plugs from pressure and return ports of tractor hydraulic manifold and replace them with 3/8 - 3/4 straight fittings (17). For Ford 1320 and 1520 2WD & 4WD tractors install 3/4 - 3/4 x 90° elbow fittings (18) onto straight fittings (17). Ford 1720 2WD & 4WD tractors do not require 3/4 - 3/4 x 90° elbow fittings (17) on straight fittings (18).
2. Connect one end of each 3/8 x 44" hose (19) to fittings (17 or 18) in tractor hydraulic manifold. Route hoses (19) up along auxiliary valve bracket (5) and connect hose from pressure port of tractor hydraulic manifold to inlet port of valve. Connect hose from return port of tractor hydraulic manifold to outlet port of valve. Secure hoses (19) to valve mounting bracket (5) with an adjustable tie strap (16).
3. After all plumbing has been completed, turn the control screw on the tractor hydraulic manifold counterclockwise to "S" to supply hydraulic oil to loader control valve. Start the tractor engine and slowly cycle lift and bucket cylinders several times to free the system of air, then retract cylinders and shut off tractor engine. Add additional tractor hydraulic oil, as specified in the tractor operator's manual, to bring the oil level up to full.

**NOTE:** When cycling the loader, operate the valve according to the operation decal packed with the handle kit. If direction of control lever is wrong, recheck hose connections at auxiliary valve against connections shown.



**WARNING:** Escaping hydraulic oil under pressure can have sufficient force to penetrate the skin, causing serious personal injury. If injured by escaping oil, obtain medical treatment immediately.

## PARTS LIST

Item	Part No.	Description	Qty.
1	36529	VALVE, DFP Model 1627EZ, 1800 PSI	1
2	36387-1	HOSE, 3/8 x 14"	4
3	32845-5	FITTING, Elbow, 3/4 JIC-9/16 SAE x 90°	1
4	32844-2	FITTING, Straight, 3/4 JIC-9/16 SAE	1
5	36817	BRACKET, Valve Mounting	1
6	G180185	SCREW, Cap, 1/2-13 x 2-1/2	2
7	G120384	WASHER, Lock, 1/2	2
8	6147-4	COUPLER, Female Quick	4
9	6137-4	COUPLER, Male Quick	4
10	36336-1	HOSE, 3/8 x 78	4
11	36240-5	SPIRAL BAND, Blue Plastic	2
12	36240-6	SPIRAL BAND, Red Plastic	2
13	36240-7	SPIRAL BAND, Yellow Plastic	2
14	36240-8	SPIRAL BAND, Green Plastic	2
15	7438-1	STRAP, Rubber	1
16	8137-1	STRAP, Adjustable Tie	2
17	31221-3	FITTING, Straight, 3/8 NPT-3/4 JIC	2
18	34128-2	FITTING, Elbow, 3/4 JIC-3/4 JIC x 90°	3*
19	36844-14	HOSE, 3/8 x 44	2

\*Ford 1720 2WD & 4WD require only one 3/4-3/4 x 90° elbow fitting.

# TRACTOR HYDRAULIC BLOCK

