

**LOADER AUXILIARY 2-SPOOL VALVE & PLUMBING INSTRUCTIONS  
FOR WHITE NEW IDEA 60 & 80 TRACTORS**

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

**INSTALLING AUXILIARY VALVE**

1. Install nut (3) and lock washer (4) onto valve handle (2). Install handle into handle adapter of valve (1) and lock with nut (3).
2. Fasten guide tube (5) to the inside surface of guide flat on right mid mounting bracket using 1/2 x 1-1/2 carriage bolts (6), lock washers (8) and nuts (7). Slide adjustable mounting bracket (9) inside of guide tube (5).
3. Fasten valve (1) to the valve mounting bracket (10) with 3/8 x 2 cap screws (11) and lock nuts (12). Slide valve bracket (10) into adjustable bracket (9) and secure with 3/8 x 2-1/2 cap screws (13) and lock nuts (12). The adjustable mounting bracket and valve bracket should be adjusted so the valve lever is conveniently located for the operator. Secure adjustable bracket (9) within guide tube (5) with 1/2 x 1 cap screw (14). Excess tube on adjustable bracket (9) and valve bracket (10) may be cut off.

**PLUMBING LOADER TO AUXILIARY VALVE**

**NOTE:** Apply sealant to all tapered pipe threads, except when coupled with swivel adapters. When using teflon tape, wrap tape clockwise (as viewed from end) and wrap tape only twice. Keep sealant away from first two threads of tapered end to prevent contamination of hydraulic fluid. Do not use sealant on SAE or JIC threads.

1. Install 7/8-1/2 x 45° elbow fittings (15) into the four working ports of valve (1) and install 1/2-1/2 straight fittings (16) into elbow fittings. Install female quick couplers (18) and dust plugs (20) onto straight fittings (16).
2. Install male quick couplers (19) and dust covers (21) onto 1/2 x 120 hoses (22). Connect hoses (22) onto boom oil lines, starting from the bottom and working up. Loosening oil line clamp closest to hoses will ease hose installation.
3. 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. Install colored spiral bands (17) near quick couplers for identification.
4. Bundle all four 1/2 x 120 hoses (22) together and wrap two plastic tie straps (23) around hoses at approximately equal distances. Wrap one end of rubber strap (24) around the 1/2 x 120 hoses (22) and hook it onto itself as shown. Attach other end of rubber strap onto loader front support bracket as shown.

## PLUMBING AUXILIARY VALVE TO TRACTOR HYDRAULICS

1. Install 7/8 - 1-1/16 x 90° elbow fittings (25) into the inlet and outlet ports of valve (1).
2. Disconnect hose connecting tractor control valve to tractor tank port at tractor valve. Install 3/4-16 male end of 1/2 x 60 hose (26) into female end of existing hose from tractor tank port in top of tractor transmission housing. Connect 3/4-16 female end of 1/2 x 66 hose (27) to elbow in tractor valve port. Route hoses (26 & 27) over tractor axle and up valve mounting bracket (10) to valve.
3. Connect 7/8-14 female swivel end of 1/2 x 60 hose (26) to elbow fitting (25) in valve port marked "OUT". Connect 7/8-14 end of 1/2 x 66 hose (27) to elbow fitting (25) in valve port marked "IN". Wrap plastic tie straps (23) around hoses (26 & 27) at approximately equal distances.
4. Apply decal (28) onto rear side of right loader upright, centered, approximately 6" from top.
5. After all plumbing has been completed, start the tractor engine and slowly cycle the loader lift and bucket cylinders several times to free the system of air, then retract cylinders and stop the engine. Add additional hydraulic oil, as specified in the tractor operator's manual, to bring the oil level up to the full mark.

**NOTE:** When cycling the loader, pulling the valve lever should raise the loader and pushing it forward should lower the loader. Pulling the valve lever to the left should roll back the bucket and pushing it to the right should dump the bucket. If direction of valve lever is reversed, correct the connections at the quick couplers and change quick couplers to correspond.



**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	Amerequip Part No.	WNI Part No.	Description	Qty.
1	35904	32-2017148	VALVE, Prince (2500 PSI)	1
2	36075	32-2016982	HANDLE, Valve	1
	36076	32-2016990	REPLACEMENT, Handle Knob	1
3	G271506	915003-4	NUT, Hex, 7/16-20	1
4	G120383	920084-4	WASHER, Lock, 7/16	1
5	36936	32-2017407	TUBE, Guide	1
6	G120917	900395-4	BOLT, Carriage, 1/2-13 x 1-1/2	2
7	G120378	915115-4	NUT, Hex, 1/2-13	2
8	G120384	920085-4	WASHER, Lock, 1/2-13	2
9	35543	32-2017415	BRACKET, Adjustable Mounting	1
10	35540	32-2017458	BRACKET, Valve Mounting	1
11	G180130	908336-4	SCREW, Cap, 3/8-16 x 2	3
12	G9413534	915749-4	NUT, Lock, 3/8-16	5
13	G180134	908339-4	SCREW, Cap, 3/8-16 x 2-1/2	2
14	G180173	908335-4	SCREW, Cap, 1/2-13 x 1	2
15	8561-6	32-2019957	FITTING, Elbow, 7/8 JIC-1/2 NPSM x 45°	4
16	6084-5	198401-8	FITTING, Straight, 1/2 NPSM-1/2 NPTF	4
17	36240-1	32-2017369	BAND, Blue Spiral	2
	36240-2	32-2017377	BAND, Red Spiral	2
	36240-3	32-2017385	BAND, Yellow Spiral	2
	36240-4	32-2017393	BAND, Green Spiral	2
18	6147-6	32-2008564	COUPLER, Female Quick	4
19	6137-6	32-2008556	COUPLER, Male Quick	4
20	4838-4	32-2008580	PLUG, Dust	4
21	4838-3	32-2008572	COVER, Dust	4
22	36845-5	32-2017423	HOSE, 1/2 x 120	4
23	8137-1	32-2009625	STRAP, Plastic Tie	4
24	7438-1	32-2004593	STRAP, Rubber	1
25	32845-4	32-2017431	FITTING, Elbow, 1-1/16 SAE-7/8 JIC x 90°	2
26	38791-1	32-2019965	HOSE, 1/2 x 60	1
27	38792-1	32-2019973	HOSE, 1/2 x 66	1
28	30797	32-3015439	DECAL, 1-Lever Valve Control	1

