

Keep with Operators Manual

**TWO FUNCTION PLUMBING KIT  
FOR MID MOUNT VALVE  
NEW HOLLAND 72LA LOADERS  
NEW HOLLAND TM SERIES TRACTORS**

MODEL	FWA	FWA with <i>TerraGlide</i>	2 WD
<b>TM115</b>	X	X	X
<b>TM125</b>	X	X	X
<b>TM135</b>	X	X	X
<b>TM150</b>	X	X	X
<b>TM165</b>	X	X	X

Plumbing kit can be installed using tools ordinarily available.

Shut off engine and engage brakes during installation.

**PLUMBING TWO FUNCTION KIT TO MID MOUNT VALVE  
(Figure 1, 2 & 3)**

1. Install mid mount coupling bracket (4) onto right mid mount with four 5/16 x 3/4 cap screws (5) and lock nuts (6). Install snap rings (3) in first groove on hose side of female couplings (2). Insert couplings (2) into mid mount coupling bracket (4) from the bottom side of bracket and attach using snap rings (3). Couplings should occupy first four holes in bracket (4) moving from left to right when facing bracket (See figure 1).
2. Remove rearmost plug on bottom side of valve section nearest tractor. Install 90° elbow (1) into valve section 1 (See figure 2). **NOTE:** *Copper washer furnished with 90° fitting (1), must be installed over o-ring to seal properly.*
3. Slip yellow plug (14) over hose (20) and attach to coupler in position 1, then tighten. Attach opposite end of hose (20) to fitting at the front of valve section one as illustrated in figure 1.
4. Attach hose (21) and green plug (15) to coupler (2) in position 2 (as illustrated in figures 1 & 2). Tighten hose (21) to coupler (2). Attach other end of hose (21) to 90° elbow (1) installed in step 2 above.
5. Slip blue plug (13) over hose (20) and attach to coupler in position 3, then tighten. Attach opposite end of hose (20) to fitting at the front of valve section two as illustrated in figure 1.
6. Slip red plug (12) over hose (23) and attach to coupler in position 4, then tighten. Remove rearmost plug on bottom side of valve section 2 and attach banjo fitting on opposite end of hose (23) using flow bolt (24), spacer washer (25) and three dowty washers (26).  
**IMPORTANT:** *Banjo fitting must be installed as illustrated in figure 2.*
7. Attach hoses (19) to oil lines beginning with bottom oil line and tighten. Mark opposite end of each hose (19) to

identify color. Slide hoses through nylon sleeve (16). Loosely attach 45° fittings (7), color coded dust caps (8,9,10 & 11) and male couplers (17) as illustrated in figure 2.

8. Insert male couplers (17) into female couplers (2) making sure that colors correspond.  
**NOTE:** *It is important to make sure color coding corresponds between dust caps and plugs on each hose.*
9. Tighten 45° fitting (7) to hoses (19) and male couplers to 45° fitting (7). Punch holes through nylon sleeve near each end of sleeve, using adjustable plastic straps (18), secure nylon sleeve (16) to hoses (19) by running adjustable straps (18) through holes and around sleeve to avoid slippage and interference with moving parts.
10. Attach hoses (19) and nylon sleeve (16) to tractor hand rail with tie strap (22) as illustrated in figure 3.
11. After all plumbing has been completed slowly cycle loader several times to purge air from hydraulic system. Retract cylinders and shut off engine. Replenish tractor hydraulic system.

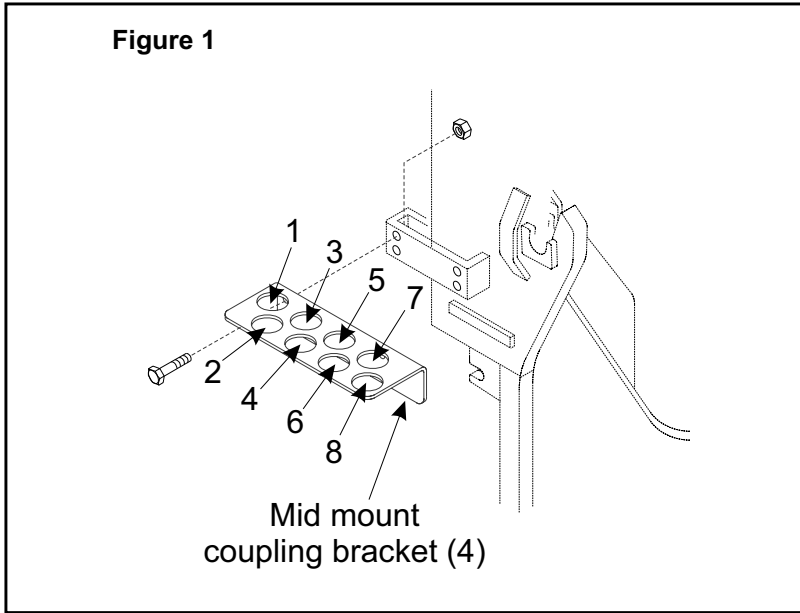
**NOTE:** *When cycling loader, operate loader according to operation decal for valve. If direction of control lever is wrong, reverse hose connections and recheck operation.*



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

- *Do not use your hands to check for leaks. Use a piece of cardboard or paper. Always wear eye protection when searching for leaks.*
- *Stop engine and relieve pressure before connecting and disconnecting lines.*
- *Tighten all connections before starting engine or pressurizing lines.*

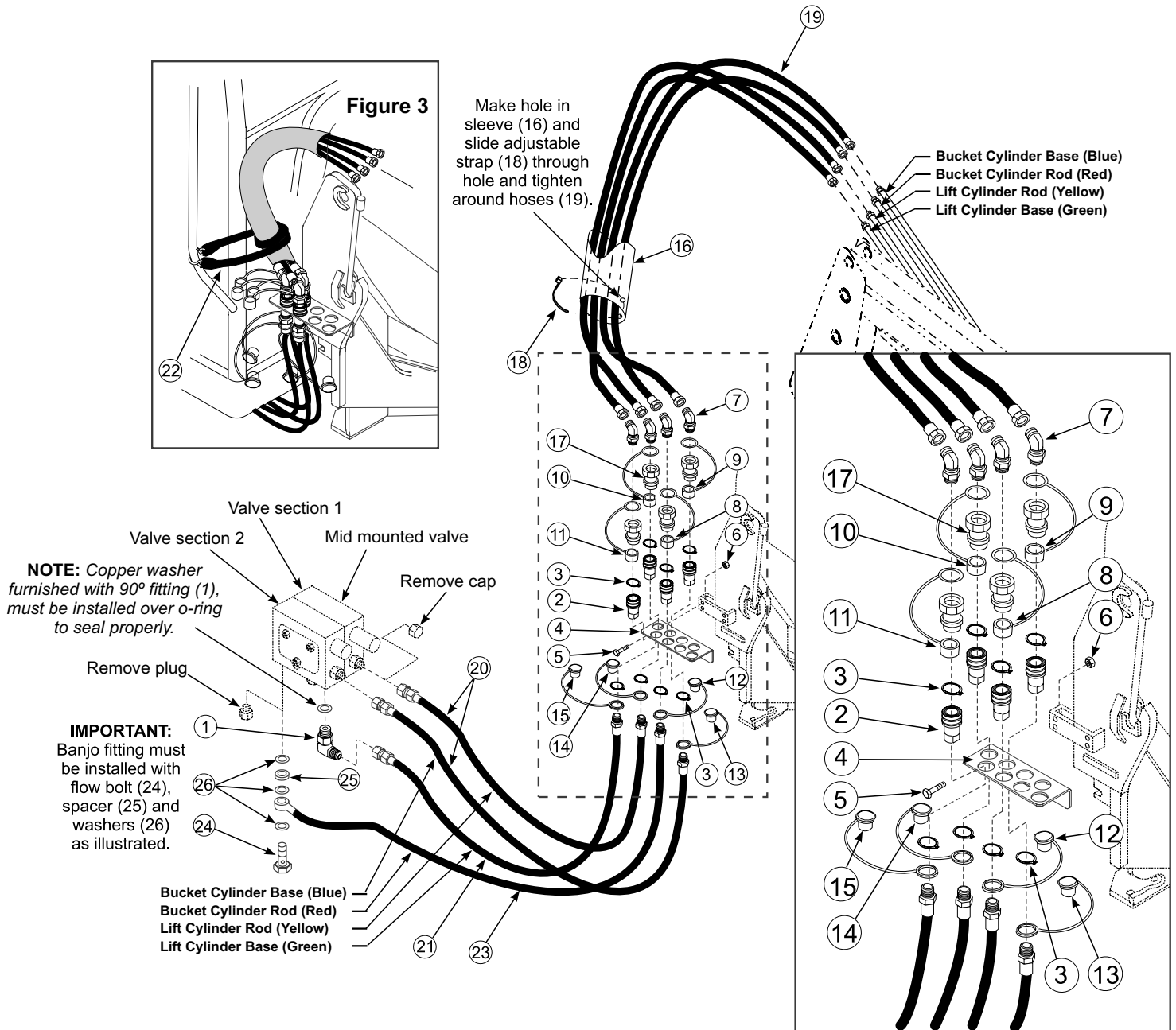
*If any fluid is injected into skin, obtain medical attention immediately or gangrene may result.*



**PARTS LIST - TWO FUNCTION PLUMBING KIT FOR MID MOUNT VALVE (Figure 2)**

ITEM	SMC NO.	NH NO.	DESCRIPTION	QTY.
1	48324	86511408	FITTING, Elbow, 90°	1
2	47110-1	86582375	COUPLER, Female	4
3	6040-16	86018680	RETAINING RING, 1-1/2	8
4	48313	86583546	MID MOUNT COUPLING BRACKET	1
5	41838-26	87872	SCREW, Cap, 5/16-18 x 3/4	4
6	41840-2	87382	NUT, Lock, 5/16-18	4
7	31213-7	216797	FITTING, Elbow, 45°, 3/4-16 x 3/4-16	4
8	4838-3	86581687	DUST CAP, Red	1
9	4838-8	86581686	DUST CAP, Blue	1
10	4838-9	86581688	DUST CAP, Yellow	1
11	4838-10	86581689	DUST CAP, Green	1
12	4838-4	86581710	DUST PLUG, Red	1
13	4838-12	86581711	DUST PLUG, Blue	1
14	4838-13	86581712	DUST PLUG, Yellow	1
15	4838-14	86581713	DUST PLUG, Green	1
16	34853-31	86583547	SLEEVE, Nylon, 2.38 x 46	1
17	6137-10	86581680	COUPLER, Male	4
18	8137-1	86582400	STRAP, Adjustable, .19 x 11	2
19	48311-1	86583548	HOSE, 1/2 x 59	4
20	48323-1	86583550	HOSE, 1/2 x 31	2
21	48323-2	86583551	HOSE, 1/2 x 35	1
22	7438-1	86581718	TIE STRAP	1
23	48329-2	86583608	HOSE, 1/2 x 35	1
24	48330	86583640	FLOW BOLT	1
25	48331-1	82020496	SPACER WASHER	1
26	48272-1	5167640	DOWTY WASHER	3

**Figure 2**  
**Two Function**  
**Plumbing Kit**  
**To Mid Mount Valve**



2-6749  
2-6957

715840006  
715840016

# **INSTALLATION INSTRUCTIONS**