

**TWO FUNCTION PLUMBING KIT  
FOR REAR REMOTE VALVE**  
NEW HOLLAND 72LA LOADERS  
NEW HOLLAND TM SERIES TRACTORS

MODEL	FWD	FWD with <i>Terra-Glide</i>	2 WD
TM115	X	X	X
TM125	X	X	X
TM135	X	X	X
TM150	X	X	X
TM165	X	X	X

Plumbing kit can be installed using tools ordinarily available.

Shut off engine and engage brakes during installation.

**IMPORTANT:** *Install detent removal kits NH 719362010 and NH 718362010 before installing plumbing kit. Follow instructions furnished with detent kits.*

**PLUMBING TWO FUNCTION KIT TO REAR REMOTE VALVE (Figures 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). Assemble four hoses (19) and dust plugs (11, 13, 14, & 20) to four female couplers (2). Install snap rings (3) in first groove on hose side of female couplings (2).
2. Slide female coupler (2) attached to hose (19) with yellow plug (13) into mid mount coupling bracket (4) position 1 from the bottom side of bracket (4) and attach using snap ring (3). Couplings should occupy first four holes in bracket (4) moving from left to right when facing bracket (See figure 1). Connect male coupler (15) and yellow spiral band (24) to opposite end of hose (19) and route to tractor rear remote. Attach male coupler to top port of first section of rear remote as illustrated in figure 2.
3. Slide female coupler (2) attached to hose (19) with green plug (14) into mid mount coupling bracket (4) position 2 from the bottom side of bracket (4) and attach using snap ring (3). Connect male coupler (15) and green spiral band (25) to opposite end of hose (19) and route to tractor rear remote. Attach male coupler to bottom port of first section of rear remote.
4. Slide female coupler (2) attached to hose (19) with blue plug (20) into mid mount coupling bracket (4) position 3 from the bottom side of bracket (4) and attach using snap ring (3). Connect male coupler (15) and blue spiral band (22) to opposite end of hose (19) and route to tractor rear remote. Attach male coupler to top port of second section of rear remote.

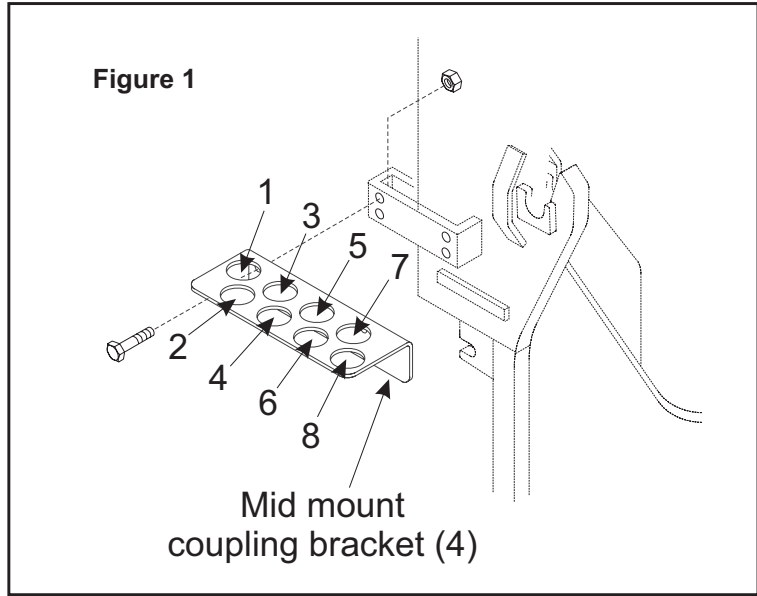
5. Slide female coupler (2) attached to hose (19) with red plug (11) into mid mount coupling bracket (4) position 4 from the bottom side of bracket (4) and attach using snap ring (3). Connect male coupler (15) and red spiral band (23) to opposite end of hose (19) and route to tractor rear remote. Attach male coupler to bottom port of second section of rear remote as illustrated in figure 2.
6. Using adjustable plastic straps (16), bundle hoses (19) together to avoid interference with moving parts.
7. Attach hoses (18) to oil lines beginning with bottom oil line and tighten. Mark opposite end of each hose (18) to identify color. Slide hoses through nylon sleeve (7). Loosely attach 45° fittings (1), color coded dust caps (8,9,10 & 12) and male couplers (15) as illustrated in figure 2.
8. Insert male couplers (15) 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° fittings (1) to hoses (18) and male couplers to 45° fittings (1). Punch holes through nylon sleeve near each end of sleeve, using adjustable plastic straps (17), secure nylon sleeve (7) to hoses (18) by running adjustable strap (17) through holes and around sleeve to avoid slippage and interference with moving parts.
10. Attach hoses (18) and nylon sleeve (7) to tractor hand rail with tie strap (21) 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 functions, 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.



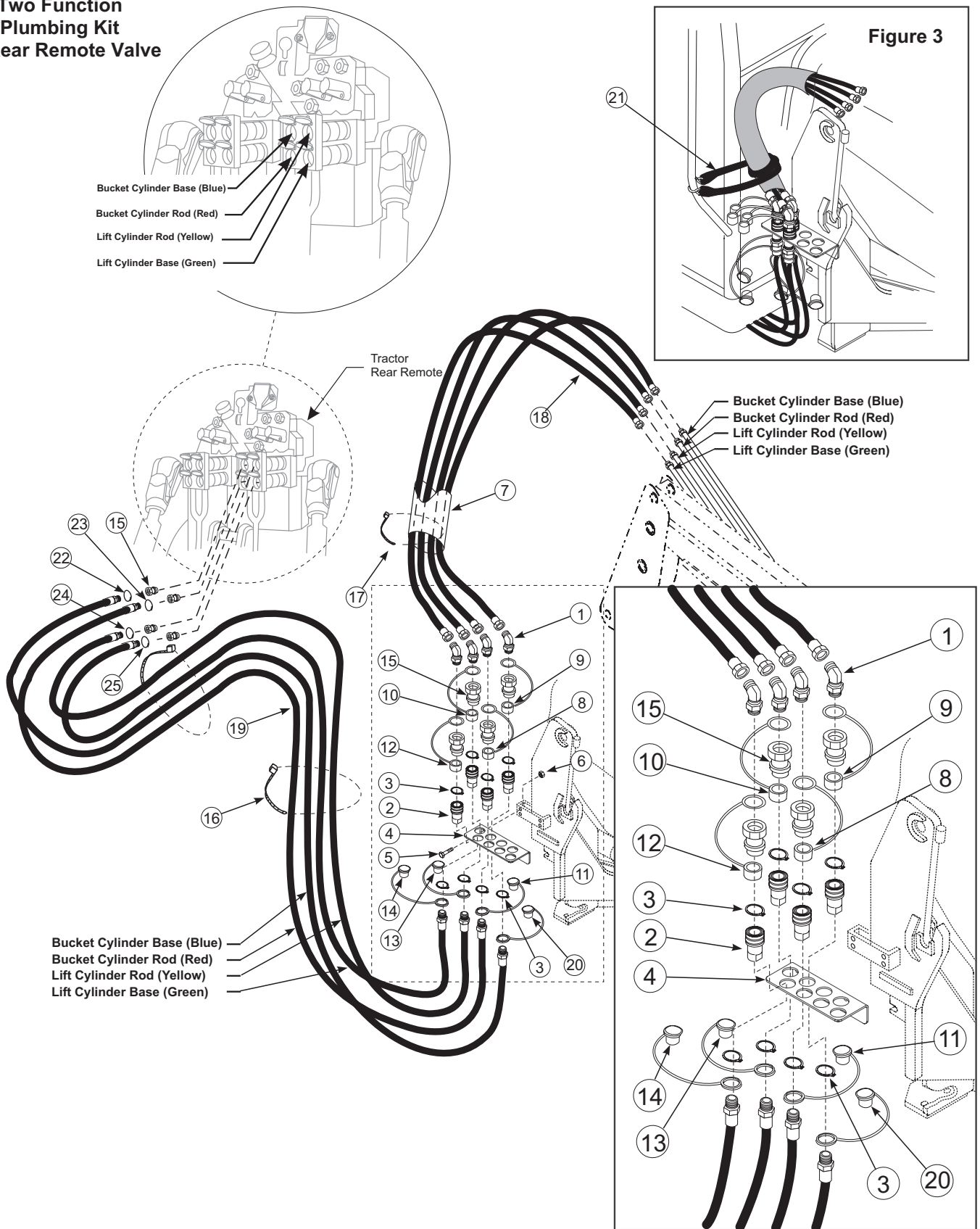
**PARTS LIST - TWO FUNCTION PLUMBING KIT TO REAR REMOTE VALVE (Figure 2)**

ITEM	SMC NO.	NH NO.	DESCRIPTION	QTY.
1	31213-7	216797	FITTING, Elbow, 45°, 3/4-16 x 3/4-16	4
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	34853-31	86583547	SLEEVE, Nylon, 2.38 x 46	1
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	4838-4	86581710	DUST PLUG, Red	1
12	4838-10	86581689	DUST CAP, Green	1
13	4838-13	86581712	DUST PLUG, Yellow	1
14	4838-14	86581713	DUST PLUG, Green	1
15	6137-10	86581680	COUPLER, Male	8
16	8137-3	86581720	STRAP, Adjustable, .50 x 20	2
17	8137-1	86582400	STRAP, Adjustable, .19 x 11	2
18	48311-1	86583548	HOSE, 1/2 x 59	4
19	48312-1	86583549	HOSE, 1/2 x 108	4
20	4838-12	86581711	DUST PLUG, Blue	1
21	7438-1	86581718	TIE STRAP	1
22	36240-1	86581682	SPIRAL BAND, .75, Blue	1
23	36240-2	86581683	SPIRAL BAND, .75, Red	1
24	36240-3	86581684	SPIRAL BAND, .75, Yellow	1
25	36240-4	86581685	SPIRAL BAND, .75, Green	1

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Figure 2  
Two Function  
Plumbing Kit  
To Rear Remote Valve



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# **INSTALLATION INSTRUCTIONS**