

Keep With Operator's Manual

OPTIONAL EASY CONNECT KIT FOR USE WITH SPECIFIED HOSE/VALVE KITS

TRACTOR AND VALVE KIT GENERAL INFORMATION

Valve and plumbing kit can be installed on tractor using tools ordinarily available.

NOTE: *Apply sealant only to all tapered threads unless 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 O-ring or flare adapter threads.*



WARNING: *Escaping hydraulic 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.
- Place control lever in float position and stop tractor engine to relieve hydraulic pressure before connecting or 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.

Shut off tractor engine, remove key, engage tractor brakes, and completely lower three-point hitch during installation.

NOTE: *In addition to this kit you need to order the correct valve or hose kit to match your tractor model*

NOTE: *If using a valve kit, assemble the valve to the tractor as specified in the valve kit instruction sheet*

PLUMBING KIT TO VALVE (Figures 1 & 2)

1. Dispose of mid mount coupling bracket (53422), retaining rings (4040-16), female coupler (47110-1), and male coupler (6137-10) from valve/hose kit you ordered with this kit.
2. Install bracket assemblies (5) onto right mid mount with four 5/16 x 3/4 cap screws (1) and lock nuts (2). Attach 6- port quick coupler fixed half (4) to bracket assemblies (5) with four 5/16 socket head cap screws (6) and 5/16 locknuts (2).

3. Sort and mark hoses from valve and hose kit. Figuring out which hoses come from the tractor and which hoses go to the loader. Use dust plugs and dust caps colors to identify which hoses go where using the following color code:

- Green - Lift cylinder base
- Yellow - Lift cylinder rod
- Red - Bucket cylinder rod
- Blue - Bucket cylinder base

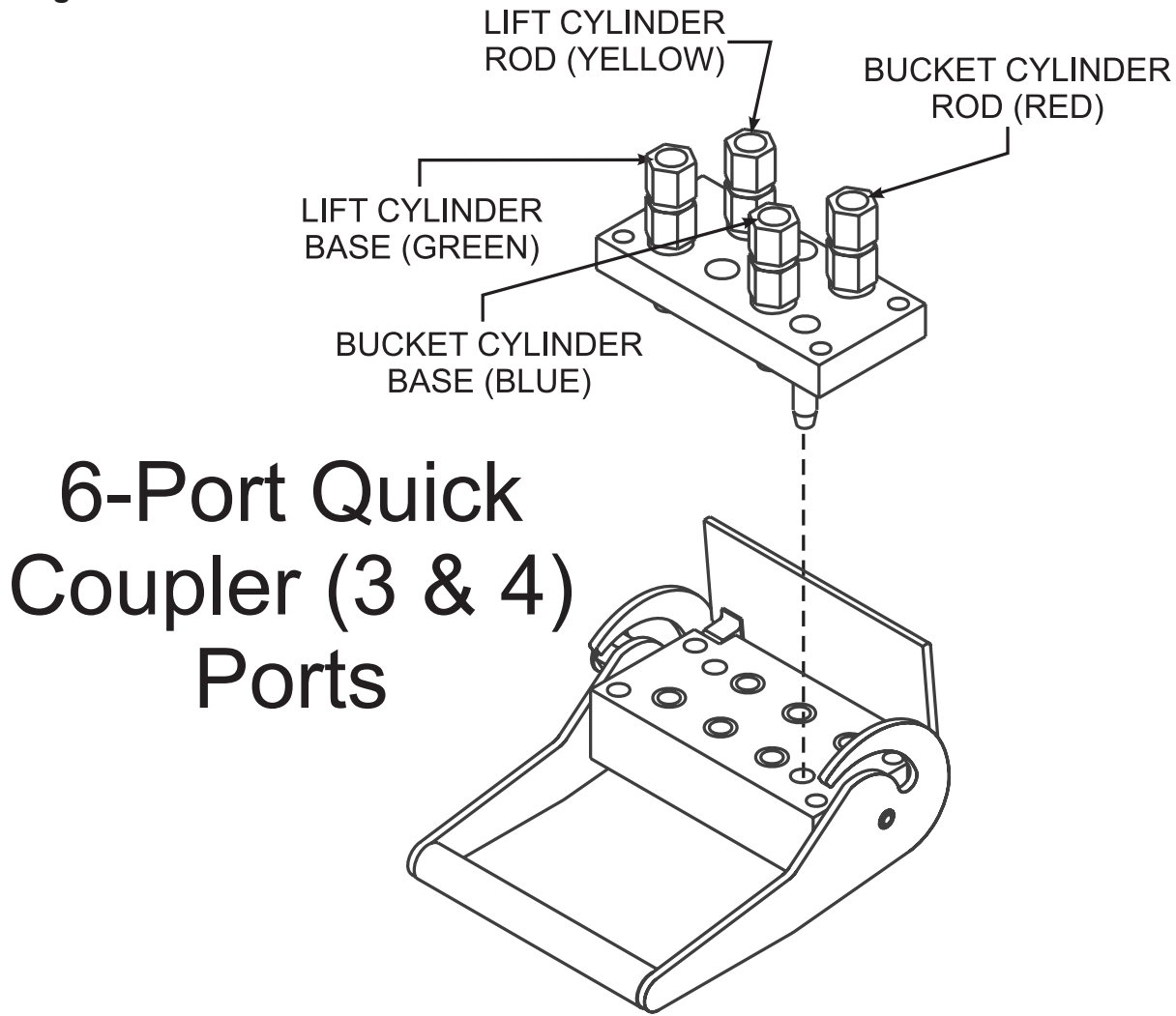
4. Starting at the bottom of the quick connect install hoses that go to the tractor into the parts as labeled in the diagram (Figure 1)
5. Connect the hoses to their correct location in the tractor as noted in the hose/valve kit instruction sheet.
6. Connect 6-port quick coupler mobile half (3) to fixed half
7. Attach the hoses to oil lines beginning with bottom oil line and tighten. Mark the opposite end of each hose to identify position. Slide hoses through the nylon sleeve (if provided) from the hose/valve kit.
8. Connect any fittings that are specified in the valve/hose kit to the end of the hoses.
9. Connect the hoses to the mobile half matching the colors as you go

NOTE: *It is important to make sure hoses are connected in the positions as illustrated in figure 1 to insure proper operation.*

10. 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.*

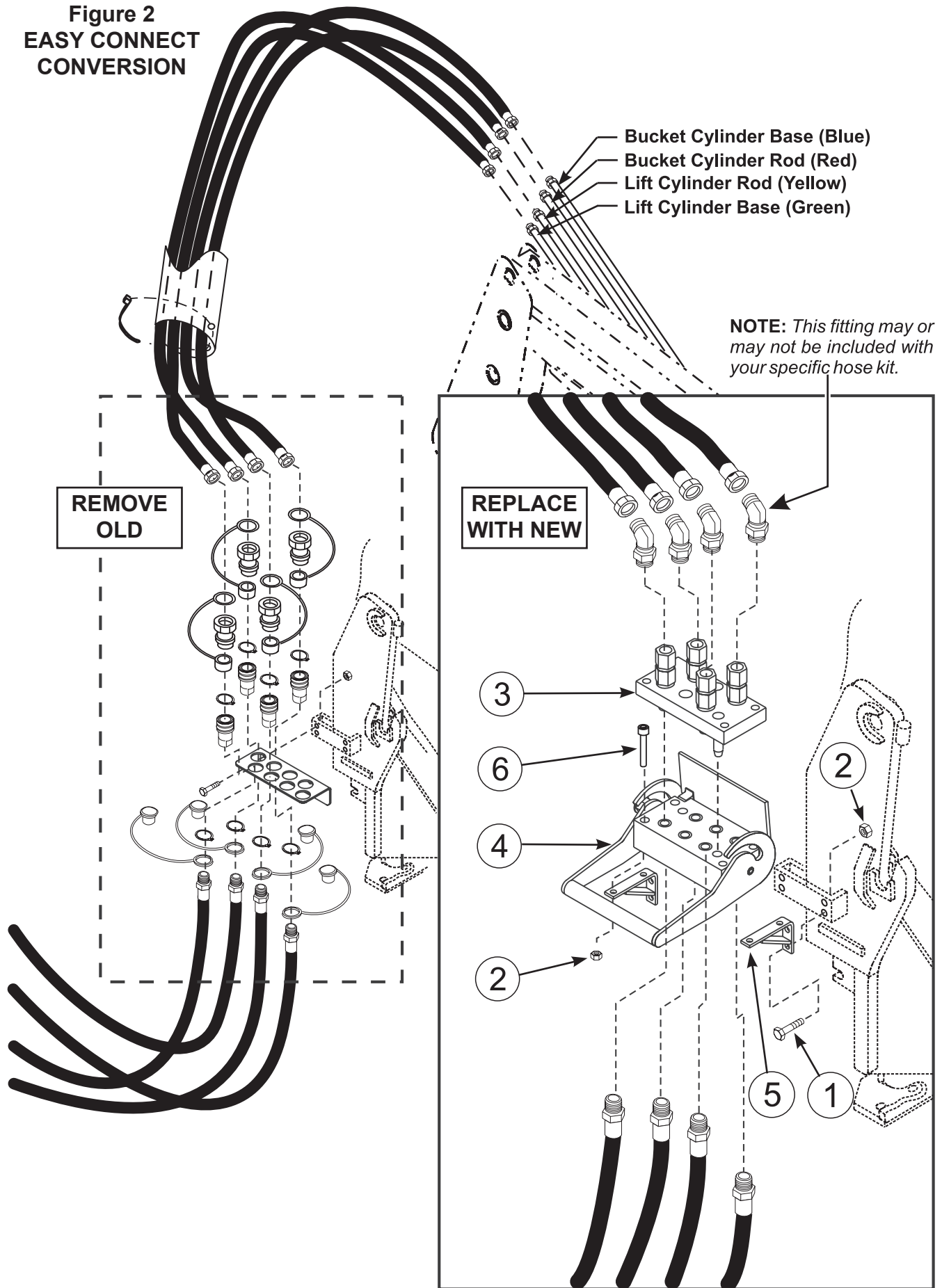
Figure 1



PARTS LIST – EASY CONNECT KIT

Item	Part No.	Description	Qty.
1	41838-26	SCREW, Cap, 5/16-18 x 3/4	4
2	41840-2	NUT, Lock, 5/16-18	8
3	48261	6-PORT QUICK COUPLER, Mobile Half	1
4	48262	6-PORT QUICK COUPLER, Fixed Half	1
5	48326	BRACKET ASSEMBLY	2
6	48327	SOCKET HEAD, Cap Screw	4

Figure 2
EASY CONNECT
CONVERSION



GENERAL TORQUE SPECIFICATIONS

USE THE FOLLOWING TORQUES WHEN SPECIAL TORQUES ARE NOT GIVEN

Standard American and Metric Cap Screws

AMERICAN STANDARD CAP SCREWS										METRIC CAP SCREWS								
SAE Grade	5				8				Metric Class	8.8				10.9				
Typ. Head Markings									Typ. Head Markings									
Cap Screw	TORQUE				TORQUE				Cap Screw	TORQUE				TORQUE				
Size	FT·LBS		N·m		FT·LBS		N·m		Size	FT·LBS		N·m		FT·LBS		N·m		
Inches	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	Millimeters	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	
1/4 - 20	6.25	7.25	8.5	10	8.25	9.5	11	13	M6 x 1.00	6	8	8	11	9	11	12	15	
1/4 - 28	8	9	11	12	10.5	12	14	16	M8 x 1.25	16	20	21.5	27	23	27	31	36.5	
5/16 - 18	14	15	19	20	18.5	20	25	27	M10 x 1.50	29	35	39	47	42	52	57	70	
5/16 - 24	17.5	19	23	26	23	25	31	34	M12 x 1.75	52	62	70	84	75	91	102	123	
3/8 - 16	26	28	35	38	35	37	47.5	50	M14 x 2.00	85	103	115	139	120	146	163	198	
3/8 - 24	31	34	42	46	41	45	55.5	61	M16 x 2.50	130	158	176	214	176	216	238	293	
7/16 - 14	41	45	55.5	61	55	60	74.5	81	M18 x 2.50	172	210	233	284	240	294	325	398	
7/16 - 20	51	55	69	74.5	68	75	92	102	M20 x 2.50	247	301	335	408	343	426	465	577	
1/2 - 13	65	72	88	97.5	86	96	116	130	M22 x 2.50	332	404	450	547	472	576	639	780	
1/2 - 20	76	84	103	114	102	112	138	152	M24 x 3.00	423	517	573	700	599	732	812	992	
9/16 - 12	95	105	129	142	127	140	172	190	M27 x 3.00	637	779	863	1055	898	1098	1217	1488	
9/16 - 18	111	123	150	167	148	164	200	222	M30 x 3.00	872	1066	1181	1444	1224	1496	1658	2027	
5/8 - 11	126	139	171	188	168	185	228	251	<p>NOTE: These values apply to fasteners as received from supplier, dry or when lubricated with normal engine oil. They do not apply if special graphite or moly sulphide greases or other extreme lubricants are used.</p>									
5/8 - 18	152	168	206	228	203	224	275	304										
3/4 - 10	238	262	322	355	318	350	431	474										
3/4 - 16	274	305	371	409	365	402	495	544										
7/8 - 9	350	386	474	523	466	515	631	698										
7/8 - 14	407	448	551	607	543	597	736	809										
1 - 8	537	592	728	802	716	790	970	1070										
1 - 14	670	740	908	1003	894	987	1211	1337										

37° JIC Fittings

Size	Thread Size	Assembly Torque		Tube Connection F. F. F. T.	Swivel Nut or Hose Connection F. F. F. T.
		in.·lb.	ft.·lb.		
-4	7/16 - 20	140 ± 10	12 ± 1	2	2
-5	1/2 - 20	180 ± 15	15 ± 1	2	2
-6	9/16 - 18	250 ± 15	21 ± 1	1 1/2	1 1/4
-8	3/4 - 16	550 ± 25	45 ± 5	1 1/2	1
-12	1 1/16 - 12	1000 ± 50	85 ± 5	1 1/4	1
-16	1 5/16 - 12	1450 ± 50	120 ± 5	1	1
-20	1 5/8 - 12	2000 ± 100	170 ± 10	1	1
-24	1 7/8 - 12	2400 ± 150	200 ± 15	1	1
-32	2 1/2 - 12	3200 ± 200	270 ± 20	1	1

O-Ring Face Seal Tube/ Hose Swivel Nut

Metric Tube O.D. (mm)	Dash Size	Thread Size (in.)	Swivel Nut Hex Size (in.)	Swivel Nut Torque	
				N·m	lb·ft
5	-3	--	--	--	--
6	-4	9/16 - 18	11/16	16	12
8	-5	--	--	--	--
10	-6	11/16 - 16	13/16	24	18
12	-8	13/16 - 16	15/16	50	37
16	-10	1 - 14	1-1/8	69	51
20	-12	1-3/16 - 12	1-3/8	102	75
22	-14	1-3/16 - 12	--	102	75
25	-16	1-7/16 - 12	1-5/8	142	105
32	-20	1-11/16 - 12	1-7/8	190	140
38	-24	2 - 12	2-1/4	217	160
50.8	-32	--	--	--	--

SAE O-Ring Fittings

Size	Swivel Nut or Hose	Assembly Torque		F. F. F. T.
		in.·lb.	ft.·lb.	
2	5/16 - 24	90 ± 5	7.5 ± 0.5	1 ± .25
3	3/8 - 24	170 ± 10	14 ± 1	1 ± .25
4	7/16 - 20	220 ± 15	18 ± 1	1 ± .25
5	1/2 - 20	260 ± 15	22 ± 1	1 ± .25
6	9/16 - 18	320 ± 20	27 ± 2	1.5 ± .25
8	3/4 - 16	570 ± 25	48 ± 2	1.5 ± .25
10	7/8 - 14	1060 ± 50	90 ± 5	1.5 ± .25
12	1 1/16 - 12	1300 ± 50	110 ± 5	1.5 ± .25
14	1 3/16 - 12	1750 ± 75	145 ± 6	1.5 ± .25
16	1 5/16 - 12	1920 ± 125	160 ± 6	1.5 ± .25
20	1 5/8 - 12	2700 ± 150	225 ± 12	1.5 ± .25
24	1 7/8 - 12	3000 ± 150	250 ± 12	1.5 ± .25
32	2 1/2 - 12	3900 ± 200	325 ± 15	1.5 ± .25

INSTALLATION INSTRUCTIONS