

Keep with Operator's Manual

65A, 75, 85 & 95 BACKHOE HOSE KIT KUBOTA L-SERIES TRACTORS WITH COMPATIBLE LOADER VALVE & PLUMBING KIT

MODEL	ROPS	LOADER WITH VALVE AND PLUMBING KIT
L3130, L3430, L3830	X	Alamo SMC or Rhino 2409 or 2491 Loader with Parallel or Series Valve
L4330, L4630	X	
L5030	X	

TRACTOR AND MOUNTING KIT GENERAL INFORMATION

Hose kit can be installed on tractor using tools ordinarily available. Shut off engine and engage brakes during installation.

NOTE: *Tractor must be equipped with an Alamo SMC or Rhino 2409 or 2491 loader with compatible valve and plumbing kit to install this hose kit. Compatible valve and plumbing kits are available with either a parallel or series loader control valve. Install loader mounting brackets and loader control valve and plumbing kit before installing backhoe hose kit.*



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

- *DO NOT use your hands to check for leaks. Use a piece of cardboard or paper to search for leaks.*
- *Stop engine and relieve 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.

INSTALLING HYDRAULIC HOSE AND FITTINGS TO HYDRAULIC ADAPTER BLOCK (Figures 1 & 2)

1. Disconnect end of tank hose of loader control valve from 90° elbow fitting in tank port of hydraulic adapter block. Install 9/16 swivel nut run tee (7) onto 90° elbow fitting in tank port. Install 90° elbow fitting (8) onto stem of tee fitting (7). Orient tee and elbow so elbow is pointing downward and back. Reconnect loader valve tank hose onto branch of tee fitting (7). Install one quick coupler dust cap (10) and male quick coupler (5) onto elbow fitting (8).

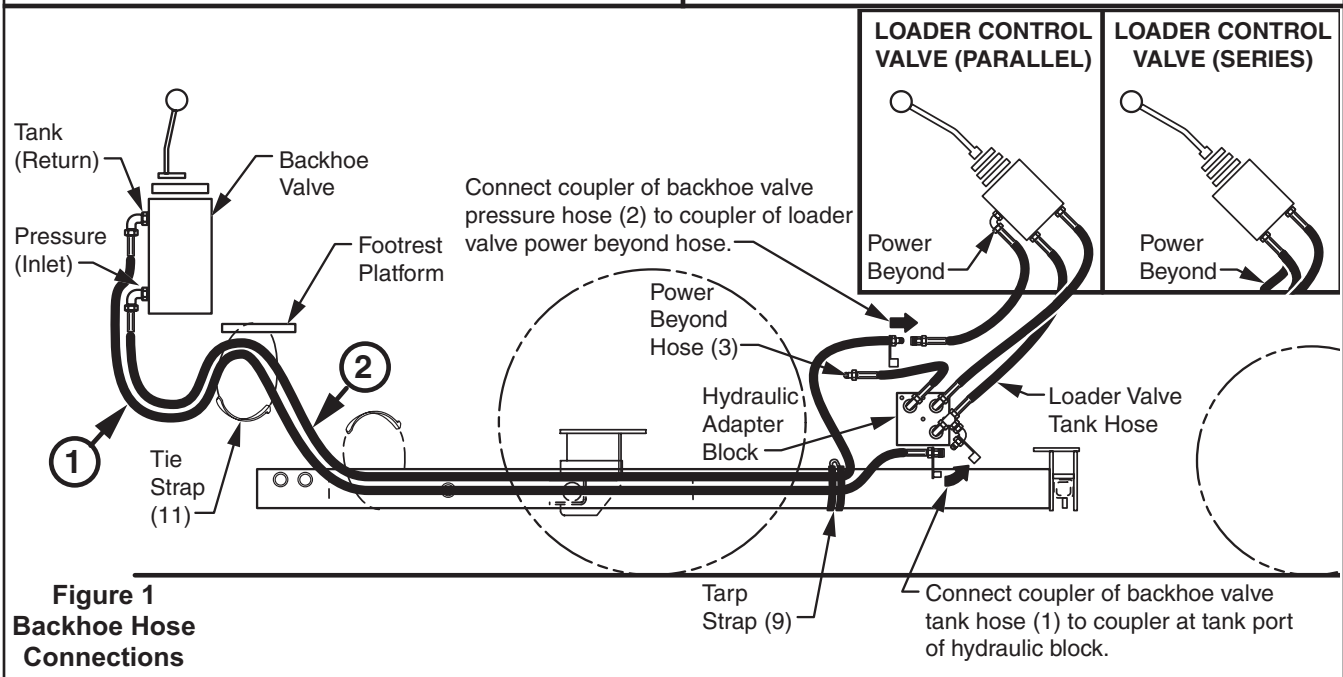
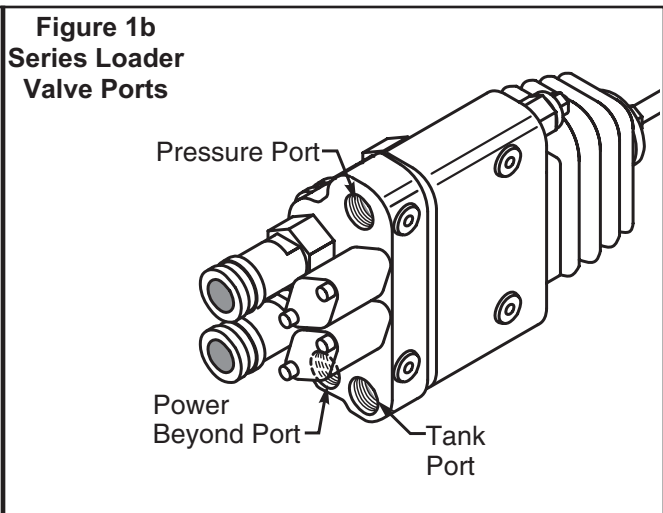
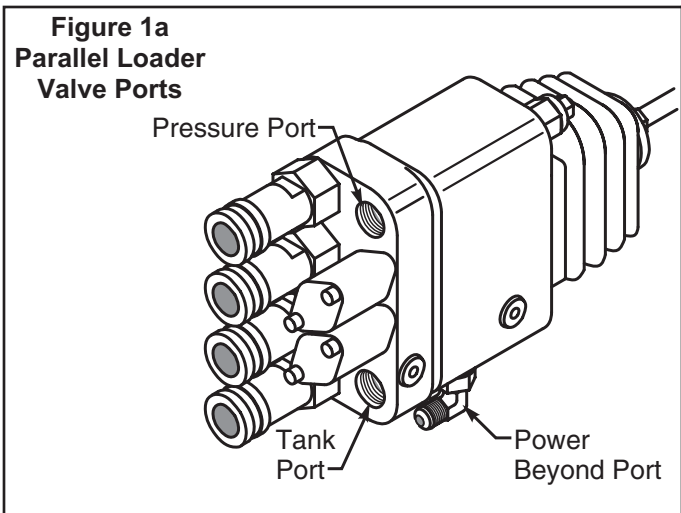
2. Disconnect end of power beyond hose of loader control valve from 90° elbow fitting in power beyond port of hydraulic adapter block. Connect 3/8 x 20" power beyond hose (3) to 90° elbow fitting in power beyond port. Install male coupler (5) onto end of 3/8 x 20" power beyond hose (3). Install straight fitting (6) onto free end of power beyond hose to loader control valve. Install female quick coupler (4) onto straight fitting (6).

INSTALLING HYDRAULIC HOSES TO BACKHOE (Figures 1 & 2)

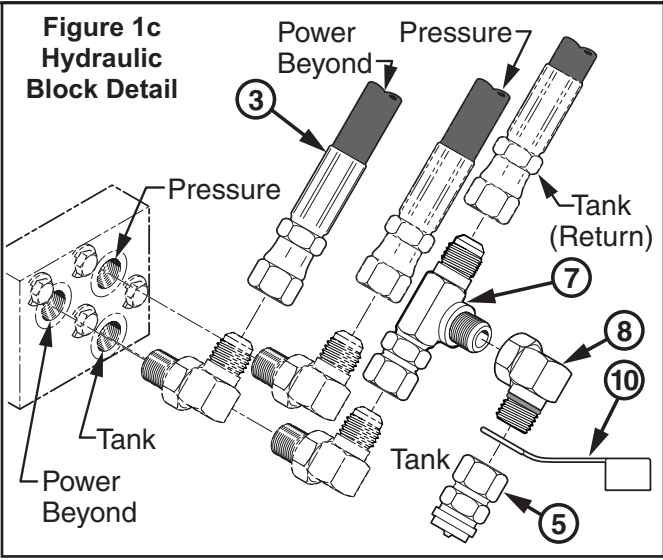
1. Temporarily remove backhoe cover plate and connect 3/8 x 120" hose (1) to 90° elbow fitting in tank port of backhoe control valve. Install female quick coupler (4) and dust plug (12) onto free end of tank hose (1). Connect 3/8 x 112" hose (2) onto 90° elbow fitting in pressure port of backhoe control valve. Install male coupler (5) and dust cap (10) onto end of pressure hose (2). Reinstall backhoe cover plate.
2. Route pressure (2) and tank (1) hoses down under backhoe footrest platform and along inside of subframe channel toward front of subframe. Secure to inside of subframe channel using tie straps (11).
3. When mounting backhoe, connect male quick coupler (5) of pressure hose (2) to female quick coupler (4) of loader valve power beyond hose, and connect female quick coupler (4) of tank hose (1) to male quick coupler (5) on elbow (8) to hydraulic block tank port. Use tarp strap (9) to secure hoses (1 & 2) to subframe or tractor, away from moving parts.

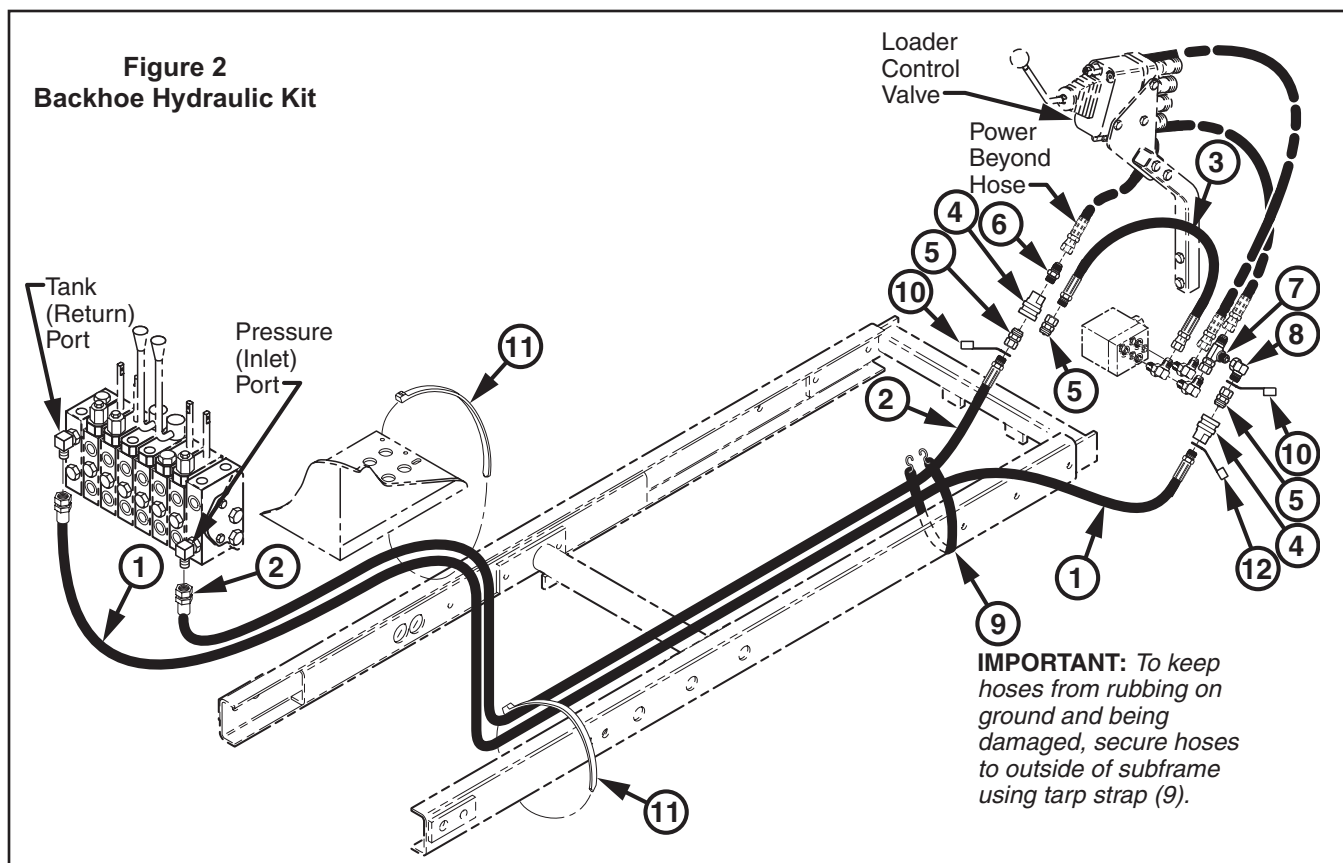


WARNING: *To prevent possible damage to hoses and backhoe valve, always shut off tractor engine when coupling or uncoupling hoses from backhoe. Make sure connections are complete at couplers before starting tractor engine.*



NOTE: When backhoe is not mounted on tractor, connect 20" power beyond hose (3) to power beyond hose of loader control valve. Use dust caps (10) and plugs (12), to keep quick couplers (4 & 5) clean and help prevent contamination of hydraulic fluid.









PARTS LIST – BACKHOE HOSE KIT

Item	Part No.	Description	Qty.
1	38576-1	HOSE, 3/8 x 120", 9/16-18 SAE Male x 3/4-16 JIC Female Swivel (Tank)	1
2	38576-14	HOSE, 3/8 x 112", 9/16-18 SAE Male x 3/4-16 JIC Female Swivel (Pressure)	1
3	36388-18	HOSE, 3/8 x 20", 9/16-18 SAE Male x 9/16-18 JIC Female Swivel (Power Beyond)	1
4	6147-11	COUPLER, Quick, Female, 3/8"	2
5	6137-11	COUPLER, Quick, Male, 3/8"	3
6	32844-1	FITTING, Straight, 9/16-18 SAE Male x 9/16-18 JIC Male	1
7	37850-3	FITTING, Tee, Swivel Nut Run, 9/16-18 JIC Male x 9/16-18 JIC Female Swivel	1
8	44277-2	FITTING, Elbow, 90°, 9/16-18 SAE Male x 9/16-18 JIC Female	1
9	7438-1	STRAP, Tarp	1
10	4838-5	DUST CAP, Quick Coupler	2
11	8137-6	STRAP, Adjustable Tie	2
12	4838-6	DUST PLUG, Quick Coupler	1

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 molysulphide 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									

INSTALLATION INSTRUCTIONS