

Keep With Operator's Manual

MOUNTING KIT 2491 LOADER KUBOTA TRACTORS

MODEL	4WD	LESS CAB	WITH CAB
L4330 FST, GST, HST	X	X	X
L4630 FST, GST, HST	X	X	X
L5030 GST, HST	X	X	X

TRACTOR & LOADER GENERAL INFORMATION

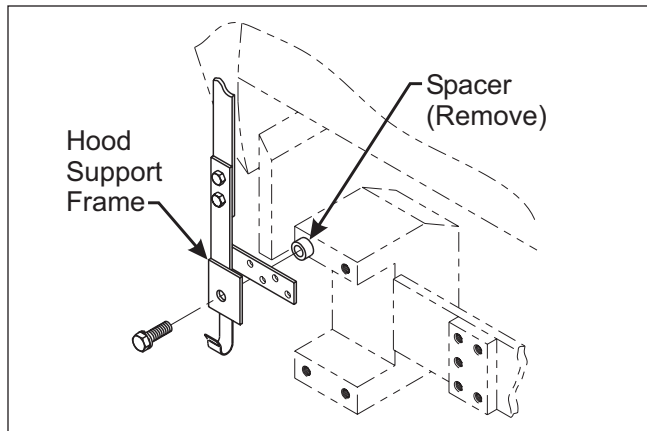
Mounting brackets can be installed using tools ordinarily available. Shut off tractor engine and engage tractor brakes during installation.

After loader is installed, check to be sure front tires clear loader and mounting brackets in all possible positions.

If tractor is equipped with a front weight bracket, remove it before installing loader mounting brackets.

PREPARING TRACTOR BEFORE LOADER MOUNTING BRACKET INSTALLATION

1. Temporarily remove tractor hood side panels.
2. Remove 14mm bolt and round spacer on right side of tractor (see illustration below). Mount plate will replace spacer.



NOTE: Leave all attaching hardware loose until mounting brackets are completely assembled to facilitate assembly and proper alignment. Tighten all hardware to torque specifications in loader operators manual.

INSTALLING LOADER MOUNTING BRACKETS (Figure 1)

1. Install front mounting bracket (1) using 14mm x 40mm cap screws (7) and 9/16" lock washers (10) to front of tractor frame.
2. Slide right mounting bracket (3) between transmission casting and hood support frame, replacing spacer removed earlier. Fasten right mid mounting bracket (3) to tractor casting and frame using 16mm x 45mm cap screws (6) and 5/8" lock washers (8) in circular holes, and 16mm x 45mm cap screws (6), 5/8" lock washers (8), and 5/8" flat washers (9) in slotted holes. Fasten rear of right mid mounting bracket (3) to rear frame of tractor using 5/8 x 2" cap screws (11), 5/8" flat washers (9) and 5/8" lock nut (12). Repeat procedure to fasten left mid mounting bracket (2) to left side of tractor.
3. Reinstall hood side panels.

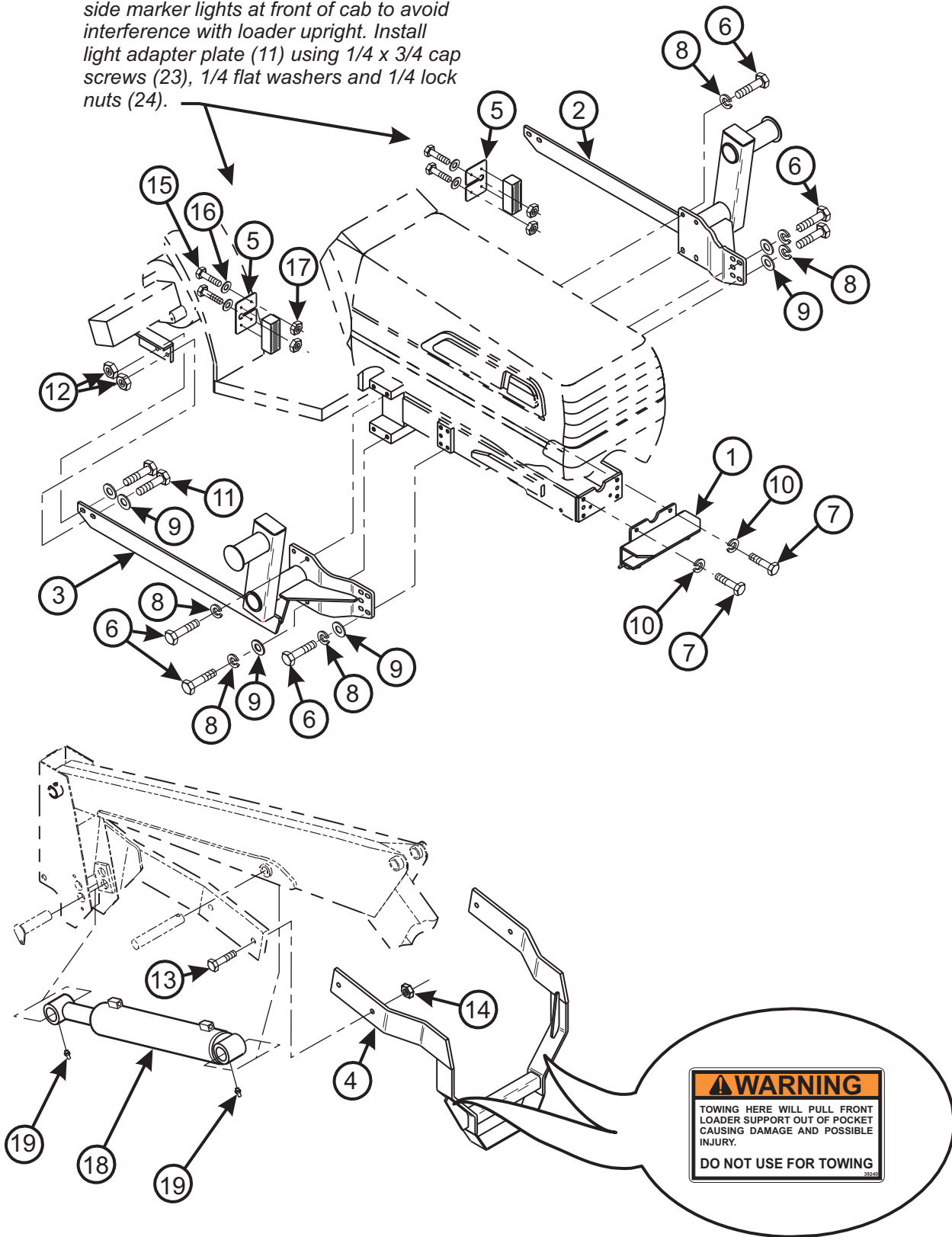
RELOCATING TRACTOR CAB SIDE MARKER LIGHTS

Relocate amber lights located at sides of front of cab to avoid interference with loader uprights.

NOTE: This procedure applies only to tractors equipped with a cab. Light adapter plate (5) and attaching hardware (15, 16 & 17) are not used on tractors without cab.

1. Temporarily remove amber lights from mounting brackets on cab, saving attaching hardware for reuse.
2. Attach light adapter plate (5) to tractor cab using two 1/4 x 3/4" cap screws (15), 1/4 flat washers (16), and lock nuts (17).
3. Fasten lights to adapter plate (5) using original attaching hardware.

NOTE: On tractors with cab, reposition cab side marker lights at front of cab to avoid interference with loader upright. Install light adapter plate (11) using 1/4 x 3/4 cap screws (23), 1/4 flat washers and 1/4 lock nuts (24).



PARTS LIST - MOUNTING KIT

Item	Part No.	Description	Qty.
1	50900	BRACKET, Front Mounting	1
2	51322	BRACKET, Mid Mounting, Left	1
3	51323	BRACKET, Mid Mounting, Right	1
4	51244	YOKE, with Decals	1
5	48808	PLATE, Light adapter	2
6	42672-66	SCREW, Cap, 16mm-1.50 x 45mm	18
7	42672-23	SCREW, Cap, 14mm-1.50 x 40mm	4
8	41837-7	WASHER, Lock, 5/8"	18
9	42502-12	WASHER, Flat, 5/8"	18
10	41837-6	WASHER, Lock, 9/16"	4
11	41838-27	SCREW, Cap, 5/8-11 x 2"	4
12	41840-7	NUT, Lock, 5/8-11	4
13	41838-7	SCREW, Cap, 3/4-10 x 2-1/2"	4
14	41840-8	NUT, Lock, 3/4-10	4
15	41838-20	SCREW, Cap, 1/4-20 x 3/4"	4
16	42502-6	WASHER, Flat, 1/4"	4
17	41840-11	NUT, Lock, 1/4-20	4
18	43218	CYLINDER, Lift, 2-3/4" nominal O.D.	2
19	6075-4	FITTING, Grease, 1/4-28 Straight	4
20	39240	DECAL, Do not tow ...	2

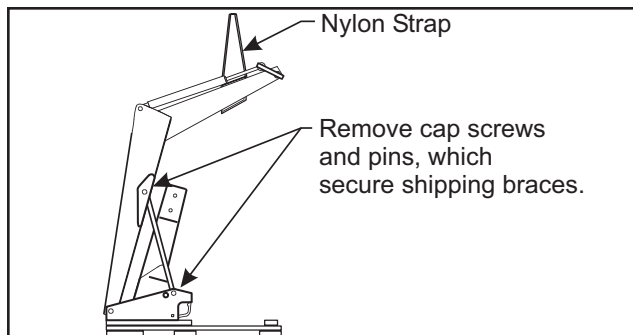
INSTALLING LIFT CYLINDERS

1. Install grease fittings (19), into threaded holes in base and rod ends of lift cylinders (18). Install grease fittings (19) so they are opposite cylinder ports.



WARNING: Be sure to support loader using an overhead hoist. Installed lift cylinders will not support loader in upright position. Boom may fall causing serious personal injury.

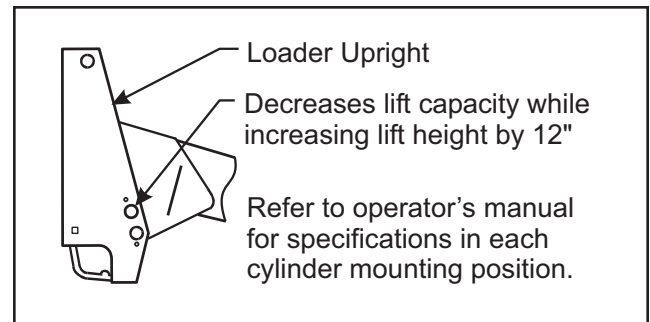
2. Loop nylon strap around center of boom cross member. Using overhead hoist to support loader, temporarily remove cap screws and pins which secure shipping braces.



3. Install lift cylinders (18), with base end connected to boom arm and hydraulic ports toward boom arm, using hardware removed earlier when shipping braces were removed.

NOTE: Pin rod ends of cylinders into loader uprights first, then pin base end to loader boom arms.

Refer to the following illustration for an explanation of cylinder rod attachment options.



4. One hose at a time, to avoid error when reconnecting, disconnect lift cylinder hoses from loader boom oil lines, connect to lift cylinders, and then reconnect to loader boom oil lines.

NOTE: Lift cylinder hoses must be free to rotate while being connected to lift cylinder ports.

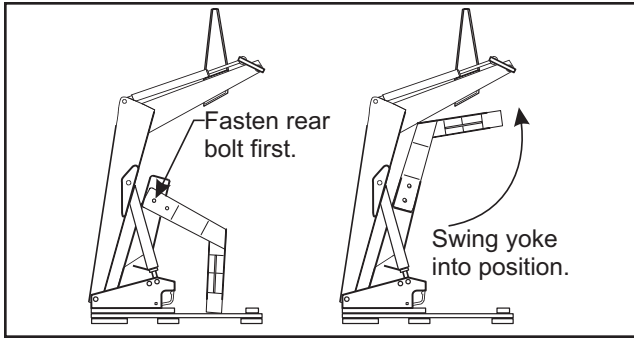
INSTALLING YOKE ONTO LOADER



WARNING: Be sure to support loader using an overhead hoist. Installed lift cylinders will not support loader in upright position. Boom may fall causing serious personal injury.

Install yoke assembly (4) using 3/4 x 2-1/2 cap screws (13) and 3/4 lock nuts (14). Install rear cap screws first, then swing yoke into position and install front cap screws.

NOTE: Tighten hardware connecting yoke to loader side frames snug, but do not torque completely. After loader has been mounted to tractor and aligned with mid mounting brackets and front mounting brackets, torque hardware to 239-262 ft.·lb.

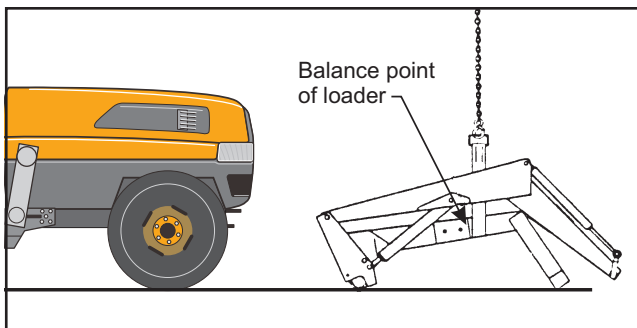


INSTALLING LOADER TO MOUNTING BRACKETS

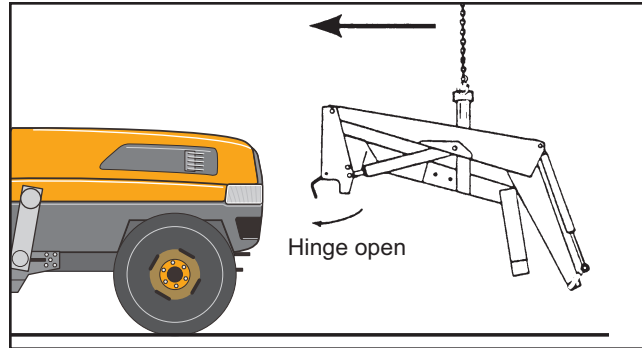


WARNING: To avoid injury during installation of quick attach loader, do not permit bystanders within ten feet of loader.

1. Remove hardware which secures loader to pallet. Using overhead hoist, lower loader from vertical shipping position to horizontal position (use scraps of cardboard to protect paint).
2. Install hose or valve kit to tractor and loader. Refer to installation instructions provided with hose or valve kit.



3. Reposition overhead hoist by looping nylon strap around yoke near loader side frames at balance point of loader.



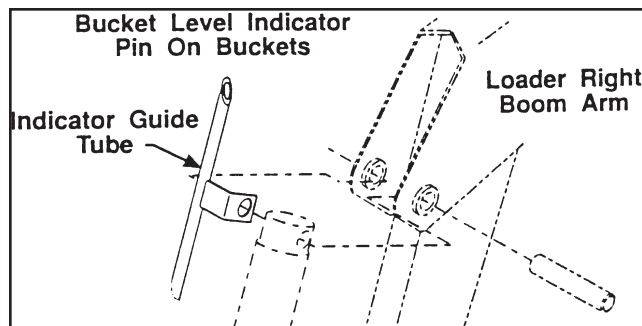
4. Using overhead hoist, raise loader until side frame uprights will clear front tires. Temporarily remove lock nut and washer from loader hinges and swing each hinge open.
 5. Position loader so hinges hook over mid mounting tubes and yoke tube fits inside front mounting bracket.
 6. Clamp hinges to mid mounting tubes with 3/4 flat washers and 3/4 flex-lock nuts (supplied with loader).
- IMPORTANT:** Be sure to use flex-lock nuts to clamp hinge. Tighten flex-lock nuts against hinge securely, but not to more than 125 ft.·lb. torque.
7. Adjust front wheel tread settings or steering stops, if necessary to prevent interference between tires and loader. Refer to tractor operator's manual for adjustment procedures.

INSTALLING BUCKET

Refer to instructions provided with bucket or loader attachment to install bucket or attachment onto loader.

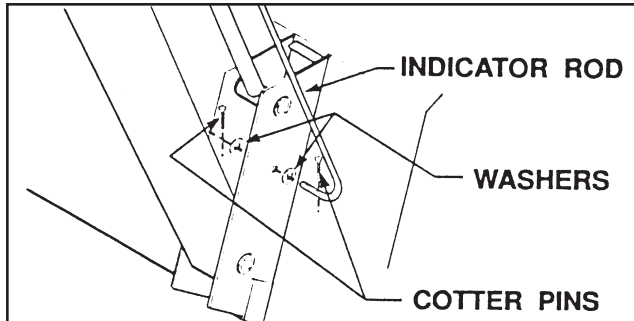
INSTALLING BUCKET LEVEL INDICATOR

1. Attach indicator guide tube to cylinder pin. Attach guide tube positioned to outside of boom.



INSTALLING BUCKET LEVEL INDICATOR (Continued)





- Slide bucket level indicator rod through guide tube. Attach other end of rod with $1/8 \times 1$ cotter pins and $3/8$ flat washers.



- Locate tractor and loader on level surface. With bottom of bucket resting on surface, cut off excess rod flush with end of guide tube or paint exposed rod a contrasting color.

GENERAL TORQUE SPECIFICATIONS

USE THE FOLLOWING TORQUES WHEN SPECIAL TORQUES ARE NOT GIVEN

AMERICAN STANDARD CAP SCREWS										METRIC CAP SCREWS							
SAE Grade	5				8				Metric Class	8.8				10.9			
																	
Cap Screw	TORQUE				TORQUE				Cap Screw	TORQUE				TORQUE			
Size	FT-LBS		Nm		FT-LBS		Nm		Size	FT-LBS		Nm		FT-LBS		Nm	
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	M6x100	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	215	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	555	61	55	60	74.5	81	M18 x 2.50	172	210	233	284	240	294	325	398
7/16 - 20	51	55	69	745	68	75	92	102	M20 x 2.50	247	301	335	408	343	426	465	577
1/2 - 13	65	72	88	975	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 the supplier, dry or when lubricated with normal engine oil. They do not apply if special graphite or molydisulphide greases or other extreme pressure 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