

33656

MOUNT KIT

Kubota Series L2501/3301/3901 Tractor 2015-__

Installation Instructions

▲ CAUTION

Read this document before installing the snowplow.

▲ CAUTION

See your sales outlet/website for specific vehicle application recommendations before installation. The online selection system has specific vehicle and snowplow requirements.

SAFETY DEFINITIONS

⚠ WARNING
 Indicates a potentially hazardous situation that, if not avoided, could result in death or serious personal injury.

⚠ CAUTION
 Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

NOTE: Indicates a situation or action that can lead to damage to your snowplow and vehicle or other property. Other useful information can also be described.

WARNING/CAUTION & INSTRUCTION LABELS

Become familiar with and inform users about the warning and instruction labels on the back of the blade.



NOTE: If labels are missing or cannot be read, see your sales outlet.




Mount Caution Label

⚠ CAUTION
 Loader **MUST** be removed before attaching snowplow.
 Failure to do so may overload front axle or cause equipment interference, damaging tractor or snowplow.

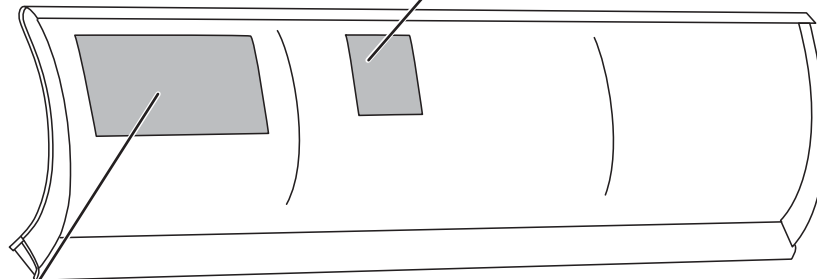
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Warning/Caution Label

⚠ WARNING
 Blade could drop unexpectedly, crushing or trapping limbs. Lower blade when vehicle is parked.
 Overloading could negatively affect vehicle handling. To avoid serious injury or death, do not exceed GVWR or GAWR including blade and ballast.

⚠ CAUTION
 Read Owner's Manual before operating or servicing snowplow.
 Transport speed should not exceed 45 mph (72 km/h). Further reduce speed under adverse travel conditions.
 Plowing speed should not exceed 10 mph (16 km/h).
 See your sales outlet/website for specific vehicle application recommendations.
www.

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Instruction Label

SAFETY PRECAUTIONS

Improper installation and operation could cause personal injury and/or equipment and property damage. Read and understand labels and the Owner's Manual before installing, operating, or making adjustments.

⚠ WARNING

Lower the blade when vehicle is parked. Temperature changes could change hydraulic pressure, causing the blade to drop unexpectedly or damaging hydraulic components. Failure to do this could result in serious personal injury.

⚠ WARNING

The driver shall keep bystanders clear of the blade when it is being raised, lowered, or angled. Do not stand between vehicle and blade or within 8 feet of a moving blade. A moving or falling blade could cause personal injury.

⚠ WARNING

Keep hands and feet clear of the blade and A-frame when mounting or removing the snowplow. Moving or falling assemblies could cause personal injury.

⚠ WARNING

To prevent accidental movement of the blade, always turn the control OFF whenever the snowplow is not in use. The power indicator light will turn OFF.

⚠ WARNING

Remove blade assembly before placing vehicle on hoist.

⚠ CAUTION

Refer to the online selection system for minimum vehicle recommendations and ballast requirements.

PERSONAL SAFETY

- Remove the ignition key and set the vehicle parking brake to prevent others from starting the vehicle during installation or service.
- Wear only snug-fitting clothing while working on your vehicle or snowplow.
- Do not wear jewelry or a necktie, and secure long hair.
- Wear safety goggles to protect your eyes from battery acid, gasoline, dirt, and dust.
- Avoid touching hot surfaces such as the engine, radiator, hoses, and exhaust pipes.
- Always have a fire extinguisher rated BC handy, for flammable liquids and electrical fires.

FIRE AND EXPLOSION

⚠ WARNING

Gasoline is highly flammable and gasoline vapor is explosive. Never smoke while working on vehicle. Keep all open flames away from gasoline tank and lines. Wipe up any spilled gasoline immediately.

Be careful when using gasoline. Do not use gasoline to clean parts. Store only in approved containers away from sources of heat or flame.

CELL PHONES

A driver's first responsibility is the safe operation of the vehicle. The most important thing you can do to prevent a crash is to avoid distractions and pay attention to the road. Wait until it is safe to operate mobile communication equipment such as cell phones, text messaging devices, pagers, or two-way radios.

VENTILATION

⚠ WARNING

Vehicle exhaust contains lethal fumes. Breathing these fumes, even in low concentrations, can cause death. Never operate a vehicle in an enclosed area without venting exhaust to the outside.

NOISE

Airborne noise emission during use is below 70 dB(A) for the snowplow operator.





VIBRATION





Operating snowplow vibration does not exceed 2.5 m/s² to the hand-arm or 0.5 m/s² to the whole body.

TORQUE CHART

⚠ CAUTION

Read instructions before assembling. Fasteners should be finger tight until instructed to tighten according to the torque chart. Use standard methods and practices when attaching snowplow, including proper personal protective safety equipment.

Recommended Fastener Torque Chart					
Inch Fasteners Grade 5 and Grade 8					
Size	Torque (ft-lb)		Size	Torque (ft-lb)	
	 Grade 5	 Grade 8		 Grade 5	 Grade 8
1/4-20	8.4	11.9	9/16-12	109	154
1/4-28	9.7	13.7	9/16-18	121	171
5/16-18	17.4	24.6	5/8-11	150	212
5/16-24	19.2	27.3	5/8-18	170	240
3/8-16	30.8	43.6	3/4-10	269	376
3/8-24	35.0	49.4	3/4-16	297	420
7/16-14	49.4	69.8	7/8-9	429	606
7/16-20	55.2	77.9	7/8-14	474	669
1/2-13	75.3	106.4	1-8	644	909
1/2-20	85.0	120.0	1-12	704	995

Metric Fasteners Class 8.8 and 10.9					
Size	Torque (ft-lb)		Size	Torque (ft-lb)	
	 Class 8.8	 Class 10.9		 Class 8.8	 Class 10.9
M6 x 1.00	7.7	11.1	M20 x 2.50	325	450
M8 x 1.25	19.5	26.9	M22 x 2.50	428	613
M10 x 1.50	38.5	53.3	M24 x 3.00	562	778
M12 x 1.75	67	93	M27 x 3.00	796	1139
M14 x 2.00	107	148	M30 x 3.50	1117	1545
M16 x 2.00	167	231	M33 x 3.50	1468	2101
M18 x 2.50	222	318	M36 x 4.00	1952	2701

These torque values apply to fasteners except those noted in the instructions.

INSTALLATION INSTRUCTIONS

NOTE: For easier assembly and installation, the vehicle and all snowplow components should be on a smooth, level, hard surface, such as concrete.

For L2501 models:

1. Detach the loader if equipped to provide clearance to install the mount.
2. Remove the front grille guard and the lower steering shield. Save for reinstallation if the mount is removed.



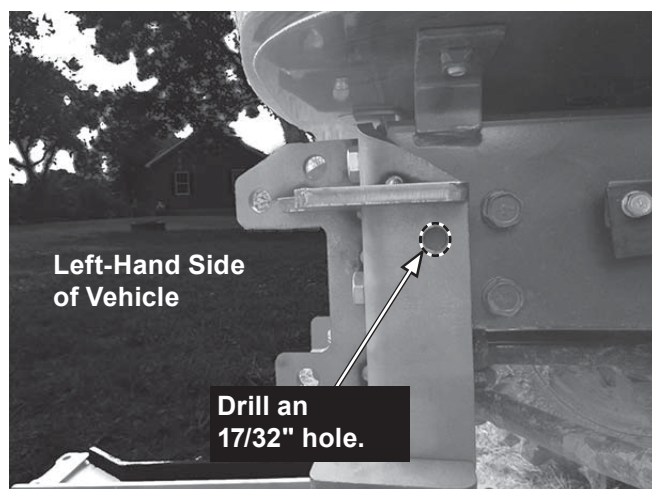
3. Place the front mount assembly against the front of the tractor. Install four M14 cap screws with 5/8" spring lock washers through the four front holes of the assembly. Tighten the fasteners according to the torque chart.



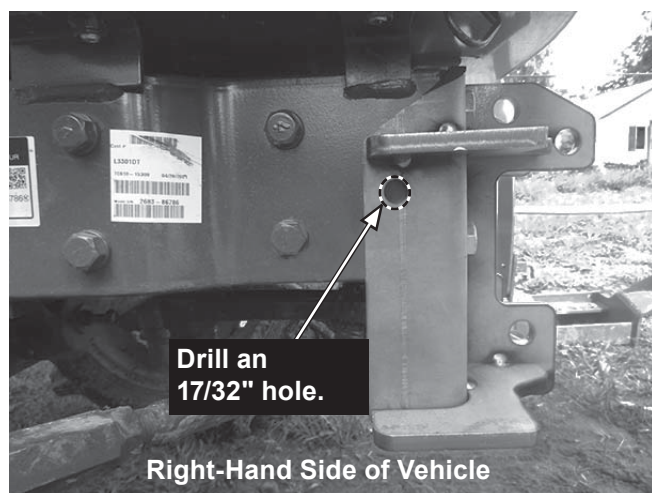
⚠ CAUTION

Before drilling holes, check to be sure that no vehicle wiring or other components could be damaged.

- Use the pre-existing hole in the left-hand side of the front assembly to drill an $17/32$ " hole through the left-hand frame rail.



- Repeat Step 4 on the right-hand side of the vehicle.



- Install a $1/2$ " x 2" cap screw through each of the holes drilled in Steps 4 and 5. Secure the cap screws with $1/2$ " washers and $1/2$ " locknuts. Tighten according to the torque chart.
- Remove the four front fasteners of the right-hand loader spar plate, if equipped. Retain the fasteners for use if the mount is removed.

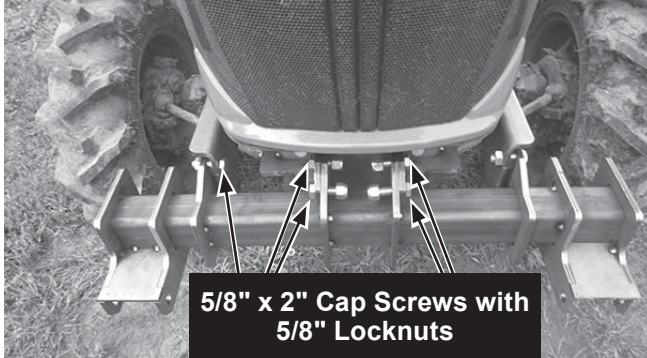


- Position the right-hand thrust arm assembly against the right-hand loader spar plate. Install four M16 cap screws with $5/8$ " spring lock washers through the thrust arm assembly. Tighten, but do not torque the fasteners at this time.

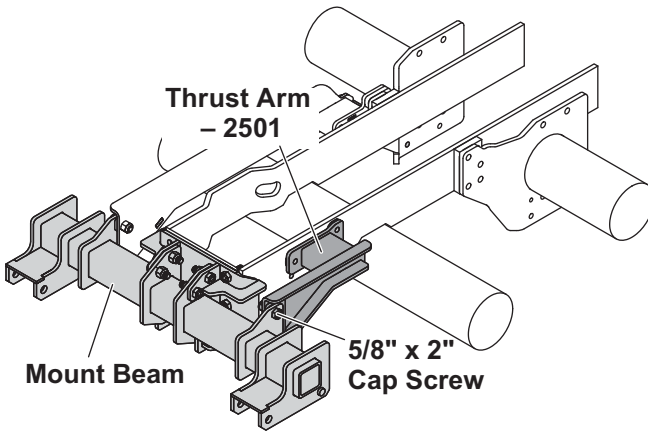


For vehicles not equipped with a loader/loader spar plate, place a spacer plate (refer to Parts List) between the thrust arm and tractor frame.

9. Install the mount beam as shown. Fasten the mount beam to the front mount assembly, and right-hand thrust arm using 5/8" x 2" cap screws. Secure the cap screws with 5/8" locknuts. Hand tighten.



10. Check that the mount beam is level. Make adjustments as necessary, then tighten all fasteners according to the torque chart.
11. Install the thrust arm – 2501 to the mount beam using two 5/8" x 2" cap screws. Secure each cap screw with a 5/8" locknut.



12. Use the thrust arm – 2501 as a guide to mark the location of the three rear holes of the thrust arm on to the tractor frame.
13. Remove the thrust arm, and drill three 17/32" holes through the frame at the locations marked in Step 12.
14. Reinstall the thrust arm to the mount beam using the 5/8" cap screws with 5/8" locknuts. Hand tighten.
15. Install three 1/2" x 2" cap screws through the rear holes of the thrust arm. Secure the cap screws with 1/2" washers and 1/2" locknuts.
16. Tighten all fasteners from Steps 14 and 15 according to the torque chart.
17. The loader may be re-attached if desired. Care must be taken to ensure that there is adequate clearance between the loader and the mount beam while the loader is in use.

NOTE: After five to ten hours of snowplow usage, retorque all mount assembly fasteners.

For L3301 or L3901 models:

1. Detach the loader if equipped to provide clearance to install the mount.
2. Remove the front grille guard and the lower steering shield. Save for reinstallation if the mount is removed.



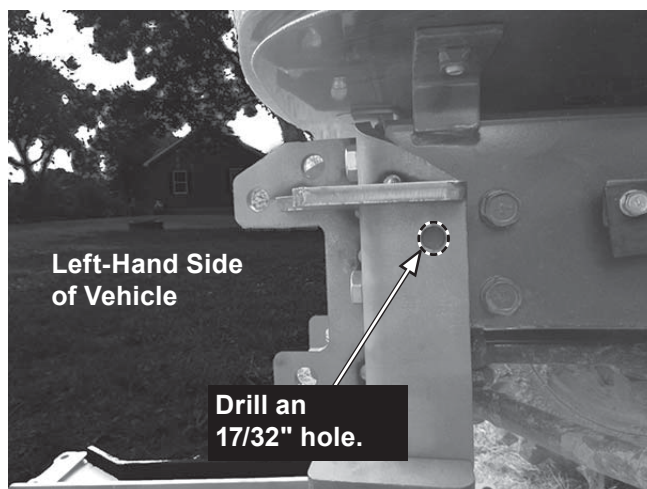
3. Place the front mount assembly against the front of the tractor. Install four M14 cap screws with lock washers through the four front holes of the assembly. Tighten the fasteners according to the torque chart.



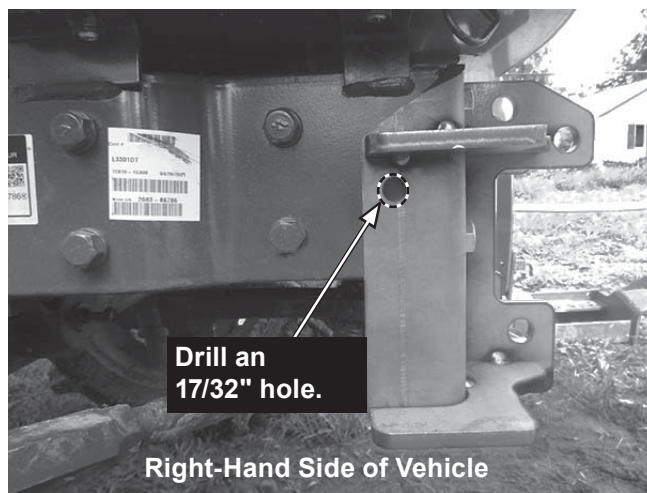
⚠ CAUTION

Before drilling holes, check to be sure that no vehicle wiring or other components could be damaged.

4. Use the pre-existing hole in the left-hand side of the front assembly to drill an 17/32" hole through the left-hand frame rail.



5. Repeat Step 4 on the right-hand side of the vehicle.



6. Install a 1/2" x 2" cap screw through each of the holes drilled in Steps 4 and 5. Secure the cap screws with 1/2" washers and 1/2" locknuts. Tighten according to the torque chart.

- Remove the four front fasteners of the left-hand loader spar plate if equipped. Retain the fasteners for use if the mount is removed.

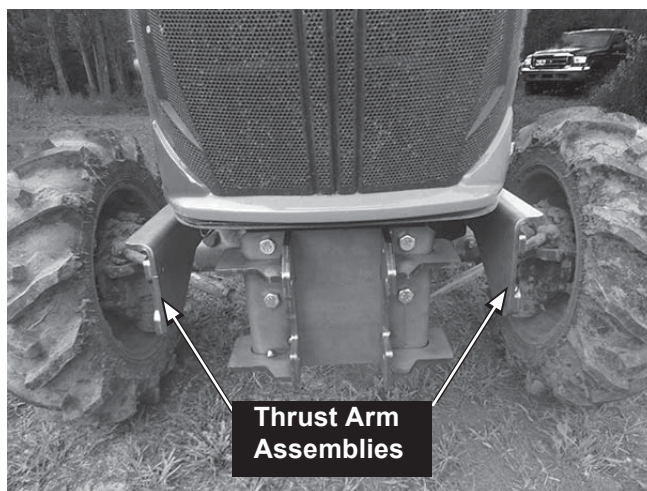


- Position the left-hand thrust arm assembly against the left-hand loader spar plate. Install four M16 cap screws with 5/8" spring lock washers through the thrust arm assembly. Tighten, but do not torque the fasteners.

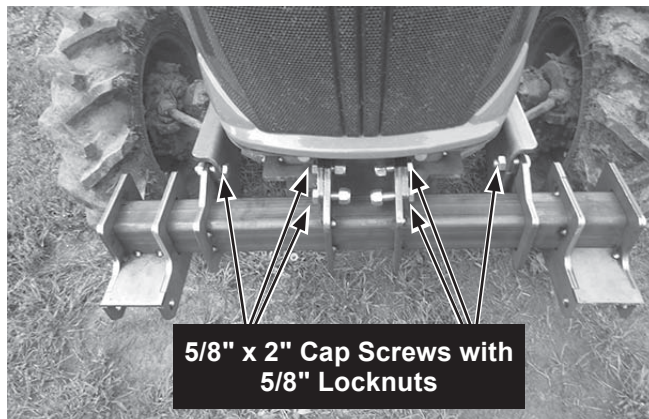


For vehicles not equipped with a loader/loader spar plate, place a spacer plate (refer to Parts List) between the thrust arm and tractor frame.

- Repeat Step 8 on the right-hand side of the tractor, using the right-hand thrust arm assembly.



10. Install the mount beam as shown. Fasten the mount beam to the front mount assembly and left/right-hand thrust arms using 5/8" cap screws. Secure each cap screw with a locknut. Hand tighten.



11. Tighten the fasteners installed in Steps 8 and 9 according to the torque chart.

12. Check that the mount beam is level. Make adjustments as necessary.
13. Tighten all remaining fasteners according to the torque chart.
14. The loader may be re-attached if desired. Care must be taken to ensure adequate clearance between loader and mount beam while loader is in use.

NOTE: After five to ten hours of snowplow usage, retorque all mount assembly fasteners.

The company reserves the right under its product improvement policy to change construction or design details and furnish equipment when so altered without reference to illustrations or specifications used. This equipment manufacturer or the vehicle manufacturer may require or recommend optional equipment for snow removal. Do not exceed vehicle ratings with a snowplow. The company offers a limited warranty for all snowplows and accessories. See separately printed page for this important information.

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