

# **35202**

## **MOUNT KIT**

**Kubota RTV-XG850**

**2018—\_\_**

### **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 tool 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.

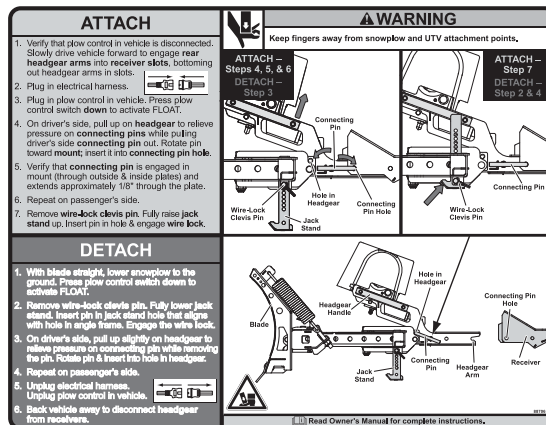
**NOTE:** Indicates a situation or action that can lead to damage to your snowplow and vehicle or other property. Other useful information can also be described.

## WARNING/CAUTION &amp; INSTRUCTION LABELS

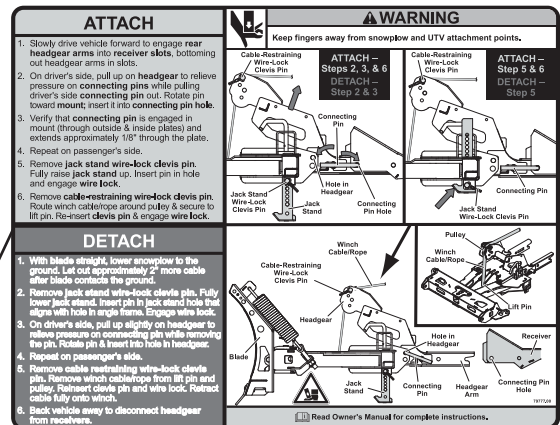
Become familiar with and inform users about the warning/caution and instruction labels on the back of the blade.

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

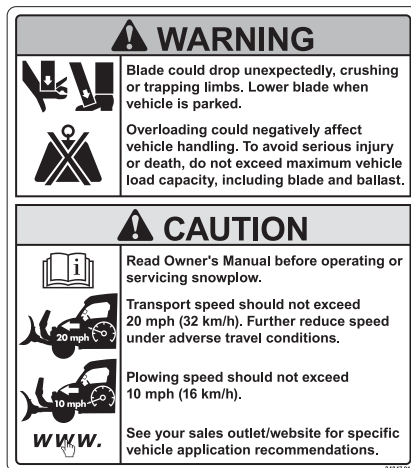
## Attach/Detach Label



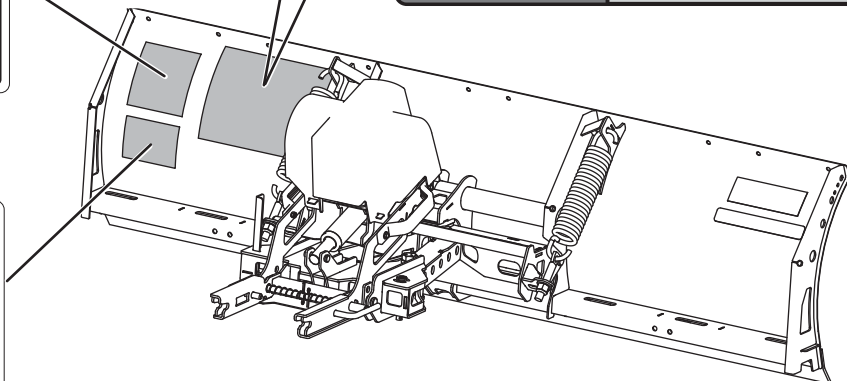
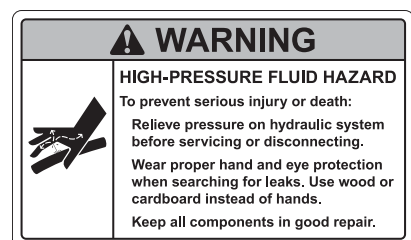
-OR-



## Warning/Caution Label



## Warning Label



## SAFETY PRECAUTIONS

Follow all safety and operating instructions in your UTV owner's manual.

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

**Do not exceed GVWR, GAWR, or maximum vehicle load capacity, including the blade and ballast.**

### 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.**

### WARNING

**Vehicle mount reduces ground clearance. Use additional caution when driving vehicle with mount installed. Remove vehicle mount to restore original vehicle ground clearance at the end of the plowing season.**

### CAUTION

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

## PERSONAL SAFETY

- Remove the ignition key and put the vehicle in PARK or in gear 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 95 dB(A) for the snowplow operator.

## VIBRATION

Operating snowplow vibration does not exceed 2.5 m/s<sup>2</sup> to the hand-arm or 0.5 m/s<sup>2</sup> 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

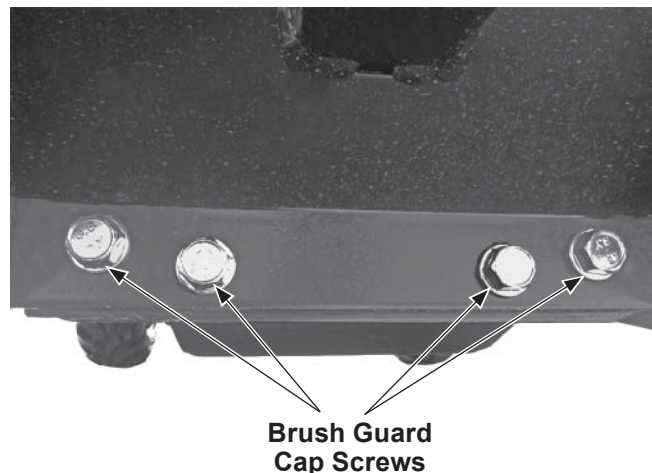
Size	Torque (ft-lb)		Size	Torque (ft-lb)	
	 Class 8.8	 Class 10.9		 Class 8.8	 Class 10.9
M6 x 1.00	7.7	11.1	M20 x 2.50	325	450
M8 x 1.25	19.5	26.9	M22 x 2.50	428	613
M10 x 1.50	38.5	53.3	M24 x 3.00	562	778
M12 x 1.75	67	93	M27 x 3.00	796	1139
M14 x 2.00	107	148	M30 x 3.50	1117	1545
M16 x 2.00	167	231	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.

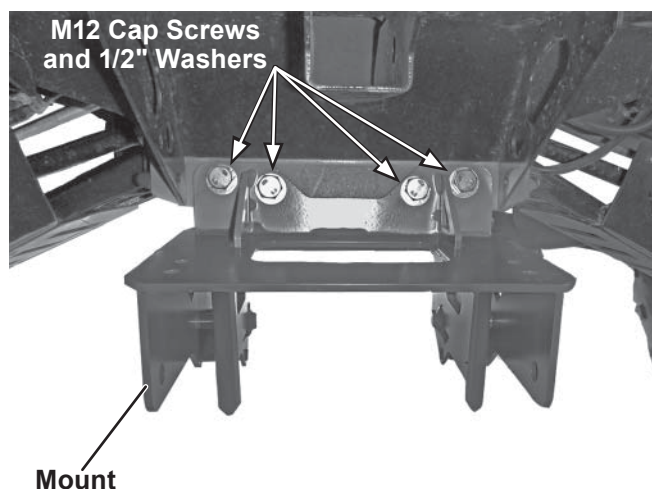
## INSTALLATION INSTRUCTIONS

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

1. Remove the four brush guard cap screws shown. Retain for reinstallation if the mount is removed.

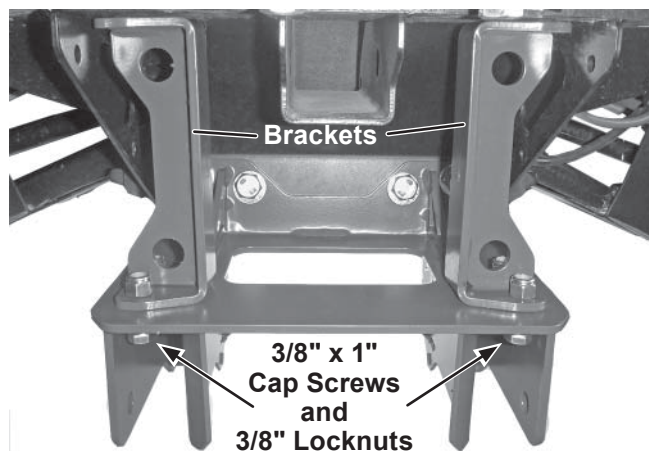


2. Center the mount on the vehicle and install with four M12 cap screws and 1/2" washers. Hand tighten, but do not torque the cap screws at this time.

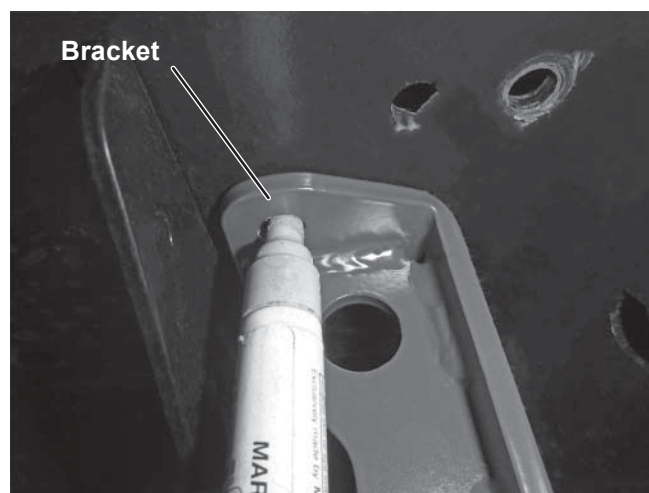


3. If equipped, remove the winch. Retain for reinstallation.

4. Install the driver- and passenger-side brackets to the mount with four 3/8" x 1" cap screws and 3/8" locknuts.



5. Using the holes in the tops of the brackets as guides, mark the locations of the four fastener holes on the brush guard.

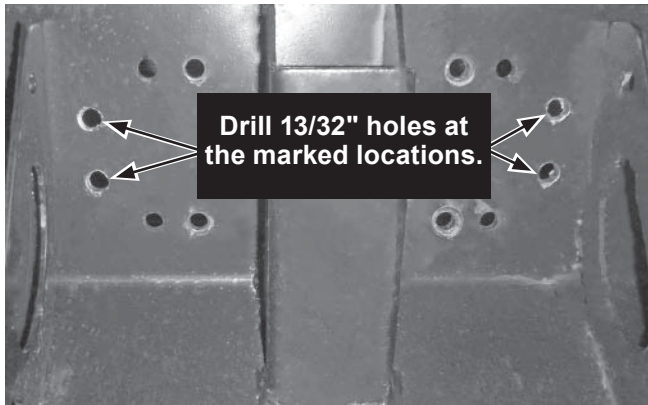




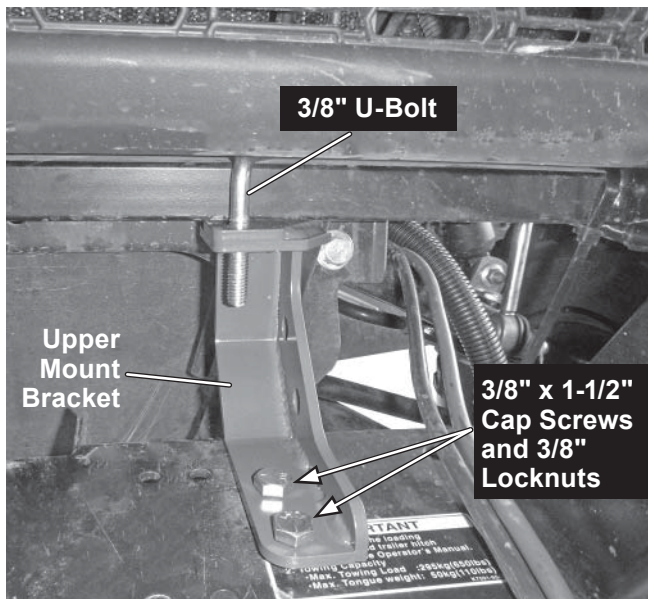
**⚠ CAUTION**

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

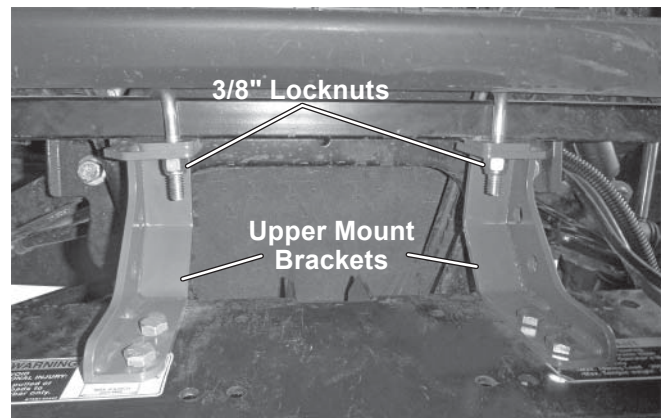
6. Remove the mount (brackets may stay installed to the mount) and drill a 13/32" hole at each marked location.



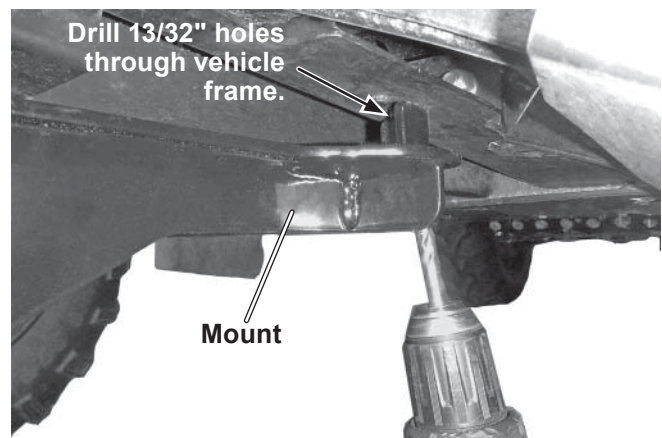
7. Reinstall the mount and brackets.
8. Place the driver-side upper mount bracket between the brush guard and the frame crossmember as shown. Align the holes in the bracket with the holes drilled in Step 6. Secure the upper mount bracket with two 3/8" x 1-1/2" cap screws. Fasten with two 3/8" locknuts through the upper mount bracket, frame, and bracket. Install a 3/8" U-bolt over the frame crossmember and through the bracket holes. Secure with two 3/8" locknuts.



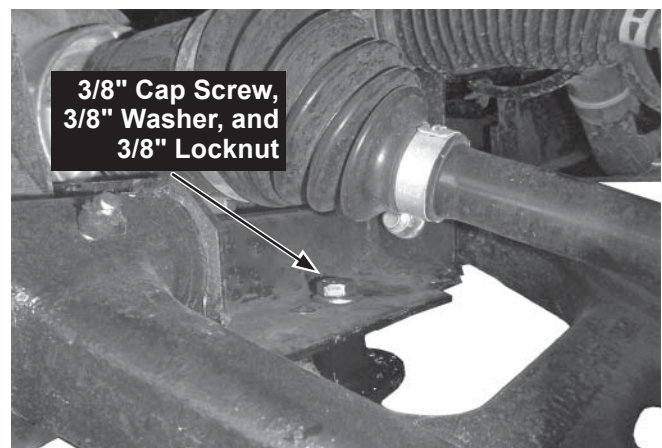
9. Repeat on the opposite side to install the passenger-side mount bracket.



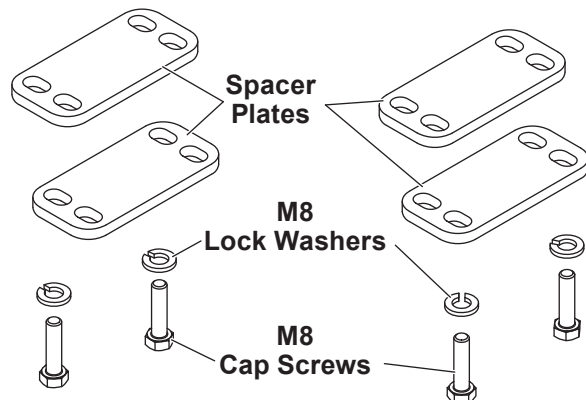
10. Use the rear mount holes as guides to drill 13/32" holes through the vehicle frame.



11. Place a 3/8" washer on a 3/8" x 2-1/2" cap screw and install it through the hole drilled in Step 10 and through the rear mount hole. Secure with a 3/8" locknut. Repeat for the opposite side.



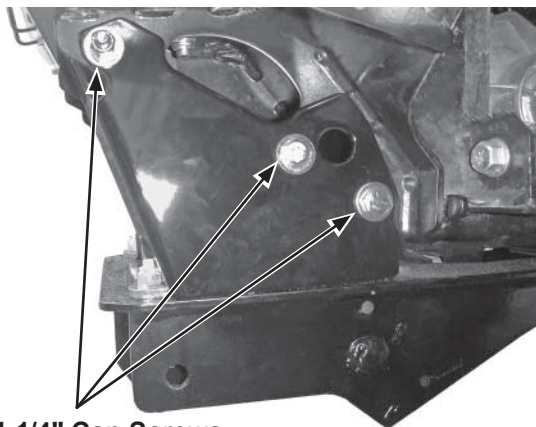
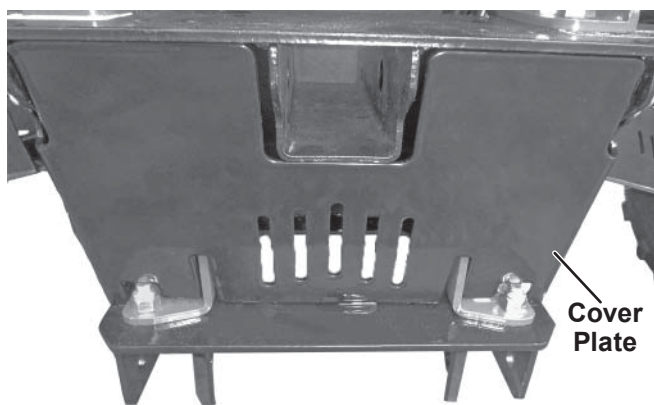
12. If equipped, use the provided spacer plates as necessary to reinstall the winch. Secure the winch and spacer plates with four M8 cap screws and M8 lock washers.



**NOTE:** It may be necessary to adjust the front spring preload to increase the ride height. See the vehicle owner's manual for suspension adjustment procedure.

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

13. Tighten all fasteners according to the torque chart.
14. Install the cover plate to the vehicle's brush guard as shown. Use six 5/16" x 1-1/4" cap screws and six 5/16" locknuts, with a 5/16" washer under each cap screw head and each locknut.



**5/16" x 1-1/4" Cap Screws,  
5/16" Washers,  
and 5/16" Locknuts**

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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