

35161

MOUNT KIT

Hustler MDV*

2017-__

*equipped with Front Hitch/Winch Mount

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.

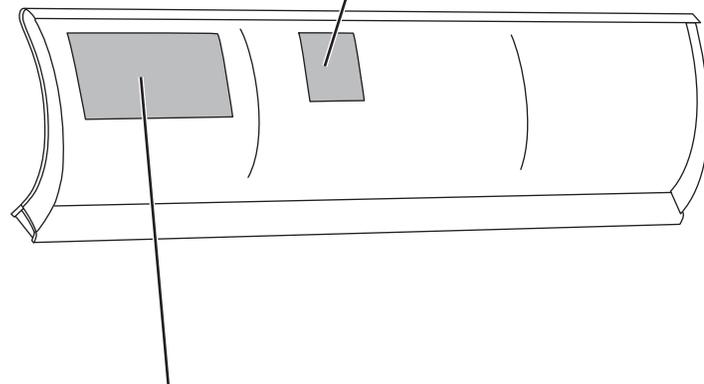
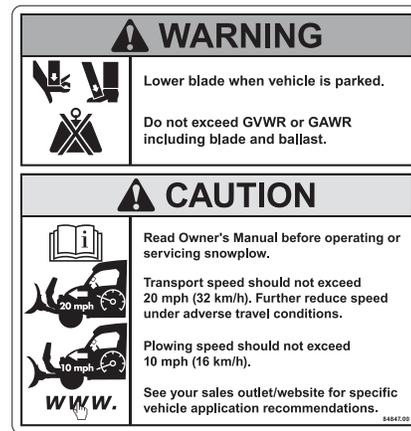
NOTE: Indicates a situation or action that can lead to damage to your snowplow and vehicle or other property. Other useful information can also be described.

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.

Warning/ Caution Label



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 the 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 or GAWR including the blade and ballast. The rating label is found on the driver-side vehicle door cornerpost.

⚠ 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 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 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

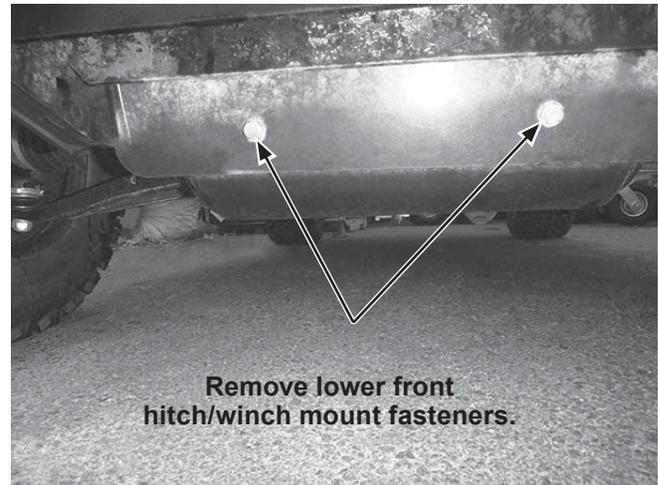
These torque values apply to fasteners except those noted in the instructions.

INSTALLATION INSTRUCTIONS

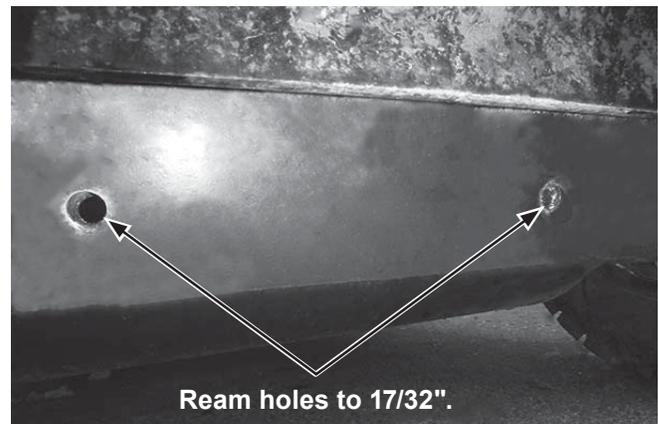
NOTE: For easier assembly and installation, the vehicle and all snowplow components should be on a smooth, level, hard surface, such as concrete.

NOTE: This mount requires that the vehicle is equipped with a front hitch/winch mount, available through HUSTLER Turf Equipment, Inc.

1. Remove the two lower fasteners holding the front hitch/winch mount to the vehicle, leaving the two upper fasteners in place.

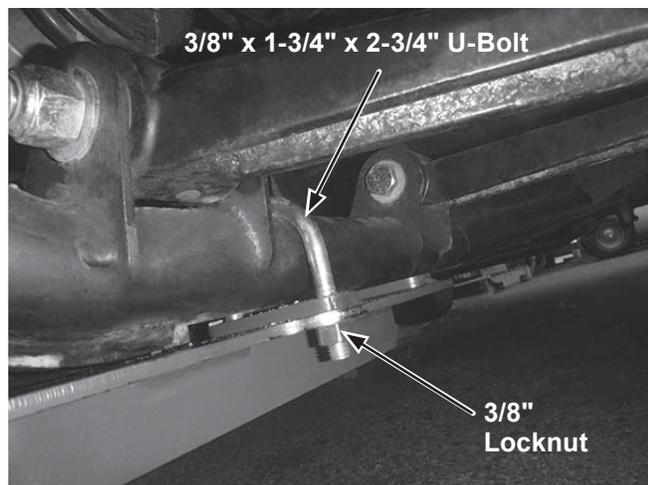


2. Ream the two lower holes of the front hitch/winch mount and the corresponding holes on the vehicle to 17/32".

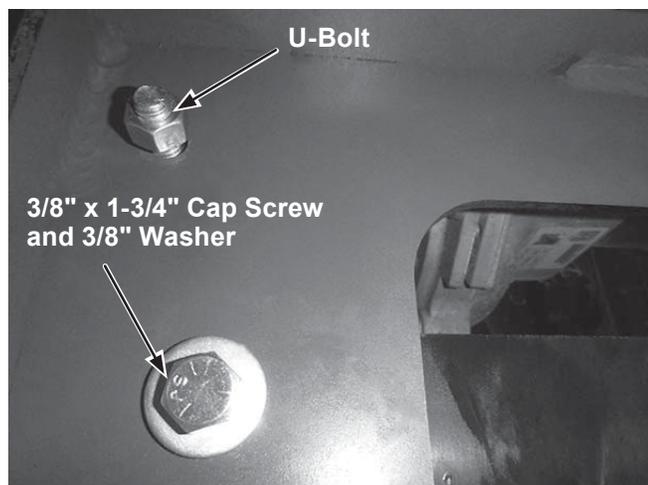


NOTE: It may be necessary to completely remove the front hitch/winch mount to accurately enlarge the lower holes of the bracket and vehicle.

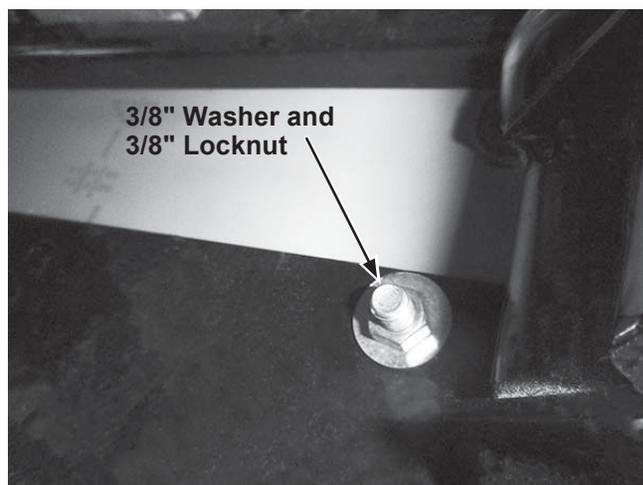
- Place the skid plate assembly against the bottom of the vehicle frame. Slide the assembly toward the rear of the vehicle until the front of the skid plate contacts the front hitch/winch mount. Install a 3/8" x 1-3/4" x 2-3/4" U-bolt in the front hole set on both driver's and passenger's sides, as shown below. To help hold the assembly in place, secure the U-bolts with 3/8" locknuts. Hand tighten the fasteners.



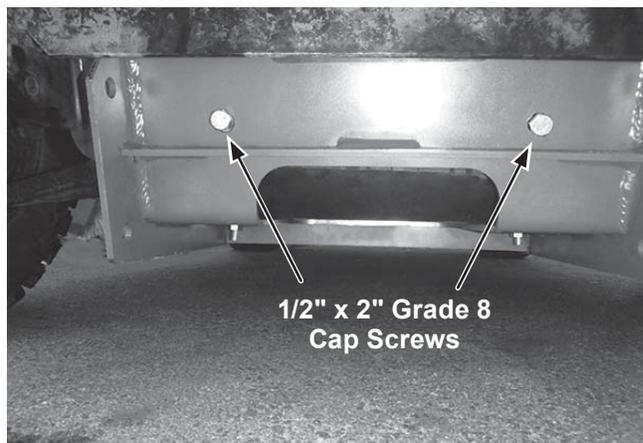
- Place 3/8" washers on two 3/8" x 1-3/4" cap screws. Insert the cap screws with washers up through the slotted holes of the skid plate assembly and through the vehicle frame plate.



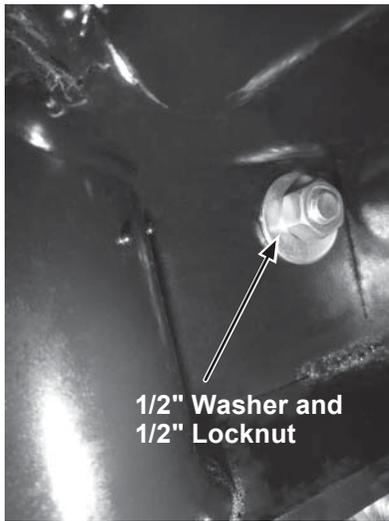
- Secure the cap screws with 3/8" washers and 3/8" locknuts. Hand tighten the fasteners.



- Insert two 1/2" x 2" Grade 8 cap screws through the front of the skid plate assembly, front hitch/winch mount, and vehicle frame plate. Ensure that the skid plate assembly is contacting the front hitch/winch mount.



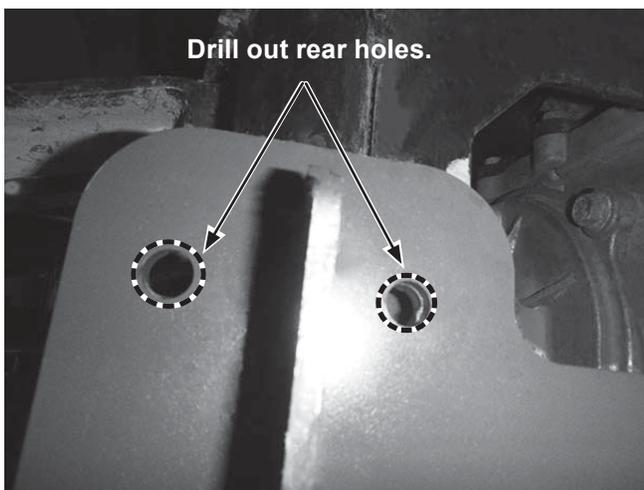
Secure the cap screws with 1/2" washers and 1/2" locknuts. Hand tighten the fasteners.



- Tighten all fasteners according to the torque chart, starting at the front of the vehicle.

⚠ CAUTION
Use caution not to pinch, cut, or drill through any wires or hoses running along the frame rails.

- Using the skid plate assembly as a guide, drill out the rear holes to allow U-bolts to pass through the frame plate. Install the remaining two 3/8" x 1-3/4" x 2-3/4" U-bolts through the drilled holes and secure with 3/8" locknuts.



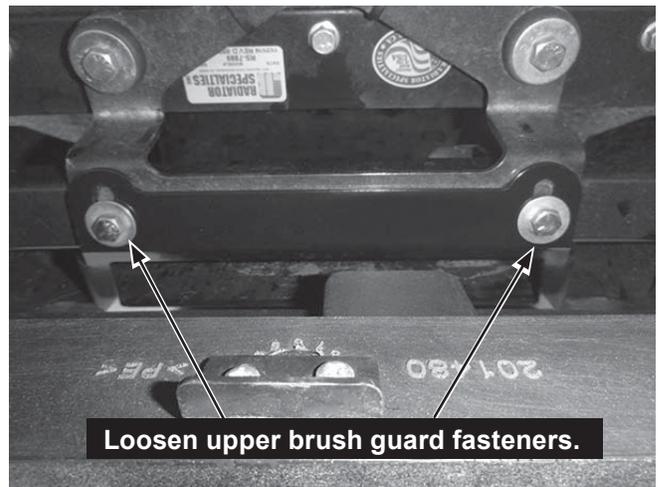
- Tighten U-bolt fasteners according to the torque chart.

For vehicles equipped with a brush guard:

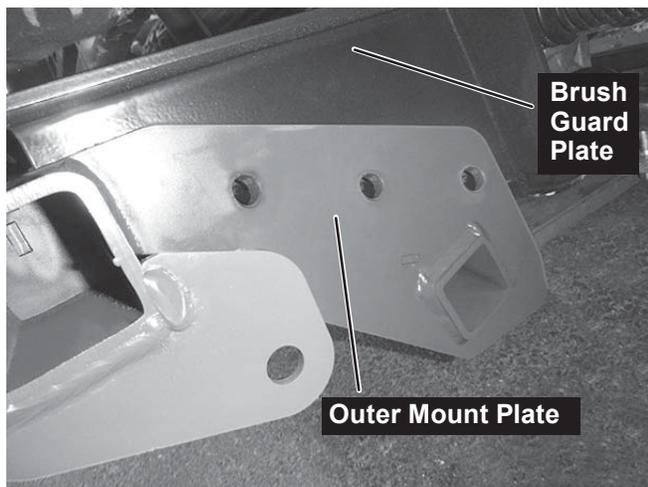
- Remove the six fasteners holding the brush guard to the front hitch/winch mount.



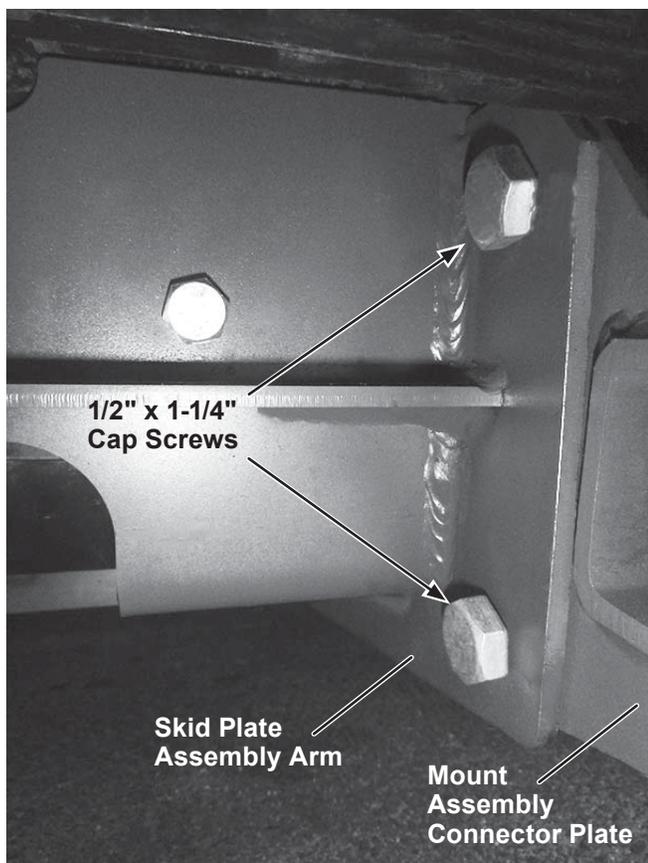
- Loosen the two upper brush guard fasteners.



11. Install the mount assembly onto the skid plate assembly by lining up the four holes of the mount assembly connector plates with the four front holes of the skid plate assembly arms. The outer mount plates should be outboard of the brush guard plates as shown below.



Secure the mount assembly to the skid plate assembly using four $1/2$ " x $1-1/4$ " cap screws and $1/2$ " locknuts. Hand tighten the fasteners.

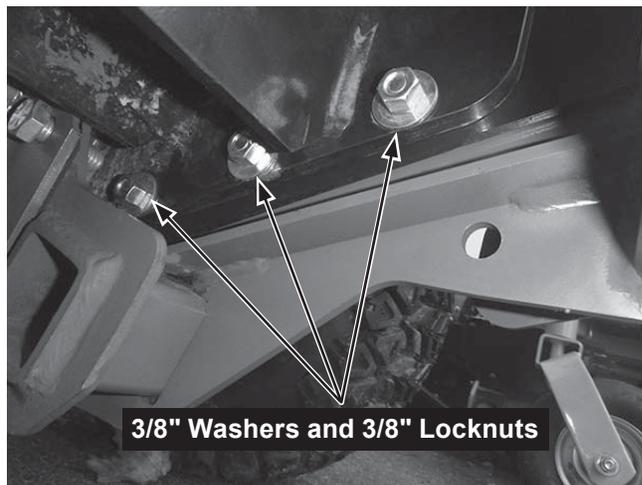


12. Measure the distance between the mount rear receiver hole and the ground. If it exceeds $11-1/2$ ", install the accessory Height Adapter Plate Kit (PN 77555) to ensure optimum plowing performance.

13. Starting on the driver's side, install three $3/8$ " x $1-3/4$ " cap screws through the outer mount plate, brush guard plate, and front hitch/winch mount.



Secure the cap screws with $3/8$ " washers and $3/8$ " locknuts. Hand tighten the fasteners. Repeat on the passenger's side.

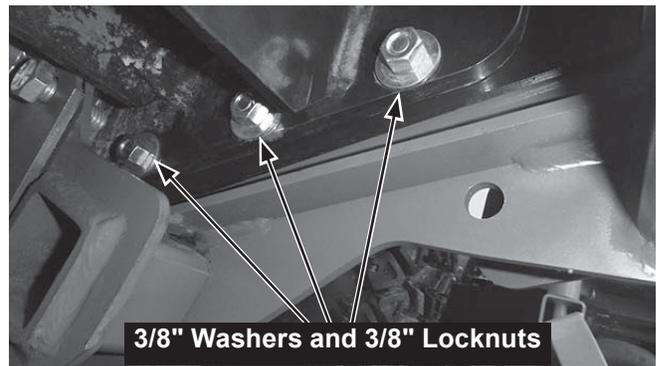
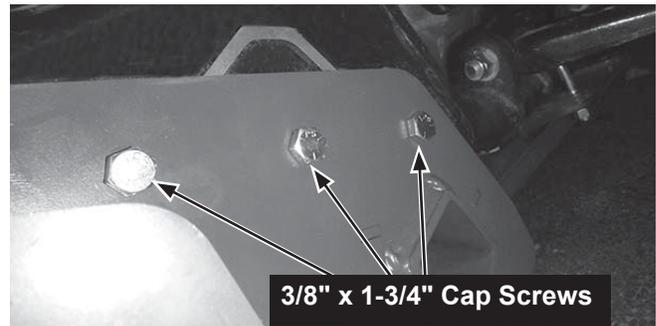
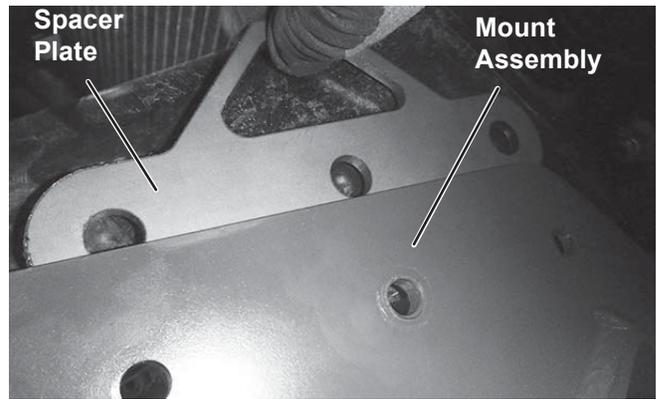
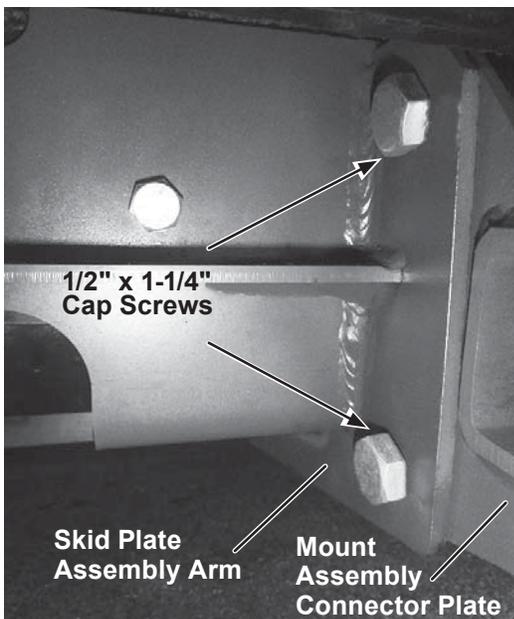
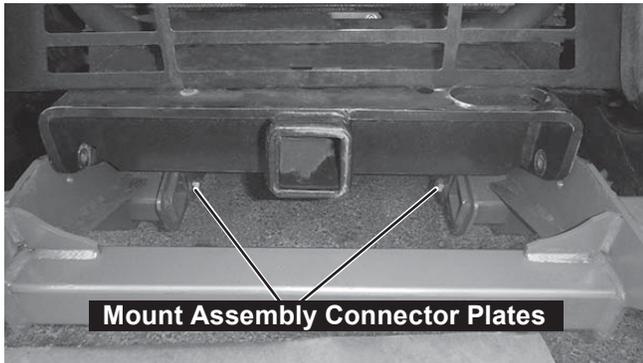


14. Tighten all fasteners according to the torque chart.

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

For vehicles without a brush guard:

- Install the mount assembly onto the skid plate assembly by lining up the four holes of the mount assembly connector plates with the four front holes of the skid plate assembly arms. Secure the mount assembly to the skid plate assembly using four 1/2" x 1-1/4" cap screws and 1/2" locknuts.



- Starting on the driver's side of the vehicle, install the provided spacer plate between the mount assembly and the front hitch/winch mount. Insert three 3/8" x 1-3/4" cap screws through the mount assembly, spacer plate, and front hitch/winch mount. Secure the cap screws with 3/8" washers and 3/8" locknuts. Hand tighten the fasteners. Repeat on the opposite side of the vehicle.

- Measure the distance between the mount beam rear hole and the ground. If it exceeds 11-1/2", install the accessory Height Adapter Plate Kit (PN 77555) to ensure optimum plowing performance.

- Tighten all fasteners according to the torque chart.

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.