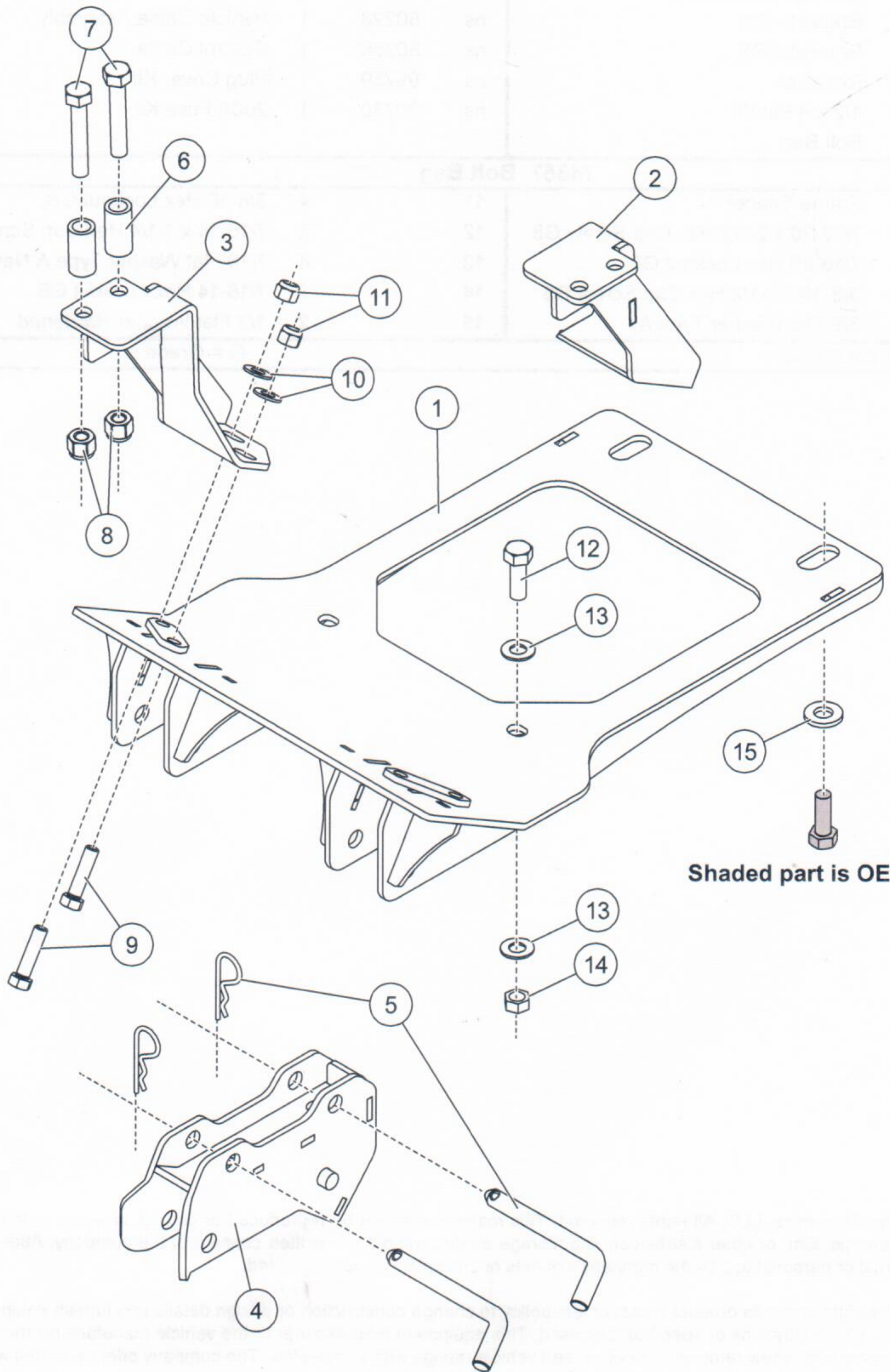


November 15, 2020  
Lit. No. 74358, Rev. 00

PARTS LIST



Shaded part is OEM fastener.

35201 Mount Kit							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	74352	1	Skid Plate Assembly	ns	80202	1	Snowplow Cable Assembly
2	74353	1	Bracket – DS	ns	80228	1	Vehicle Cable Assembly
3	74354	1	Bracket – PS	ns	80266	1	Control Cable
4	74470	2	Receiver	ns	99759	1	Plug Cover Kit
5	84610	4	1/2 x 4 Pin Kit	ns	90730	1	200A Fuse Kit
ns	74357	1	Bolt Bag				
74357 Bolt Bag							
6		4	Frame Spacer	11		4	3/8-16 Hex Locknut GB
7		4	7/16-20 x 2-1/2 Hex Cap Screw G8	12		2	7/16-14 x 1-1/4 Hex Cap Screw G5
8		4	7/16-20 Hex Locknut G8	13		4	7/16 Flat Washer Type A Narrow
9		4	3/8-16 x 1-1/2 Hex Cap Screw G5	14		2	7/16-14 Hex Locknut GB
10		4	3/8 Flat Washer Type A	15		2	1/2 Flat Washer Hardened
ns = not shown				G = Grade			

Copyright © 2020 Douglas Dynamics, LLC. All rights reserved. This material may not be reproduced or copied, in whole or in part, in any printed, mechanical, electronic, film, or other distribution and storage media, without the written consent of the company. Authorization to photocopy items for internal or personal use by the company's outlets or snowplow owner is granted.

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.

Printed in U.S.A.

# 35201

## MOUNT KIT

John Deere HPX 615/815

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 & 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.





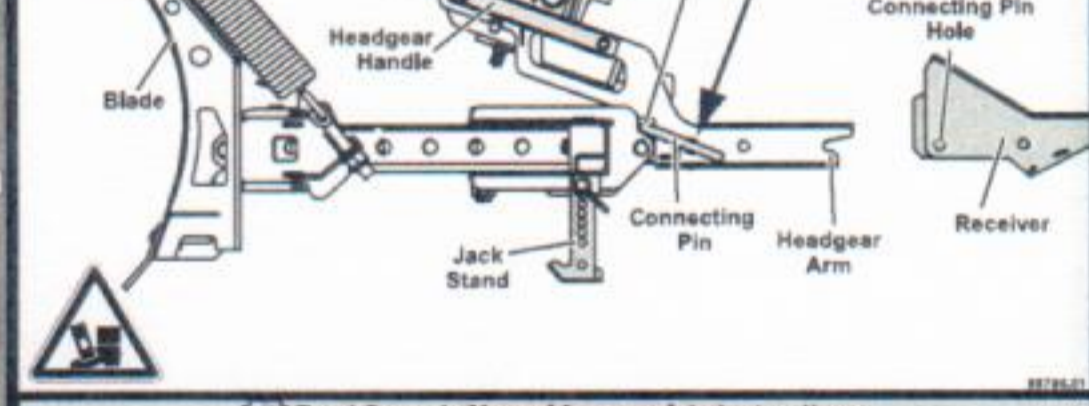
**Warning/Caution Label**

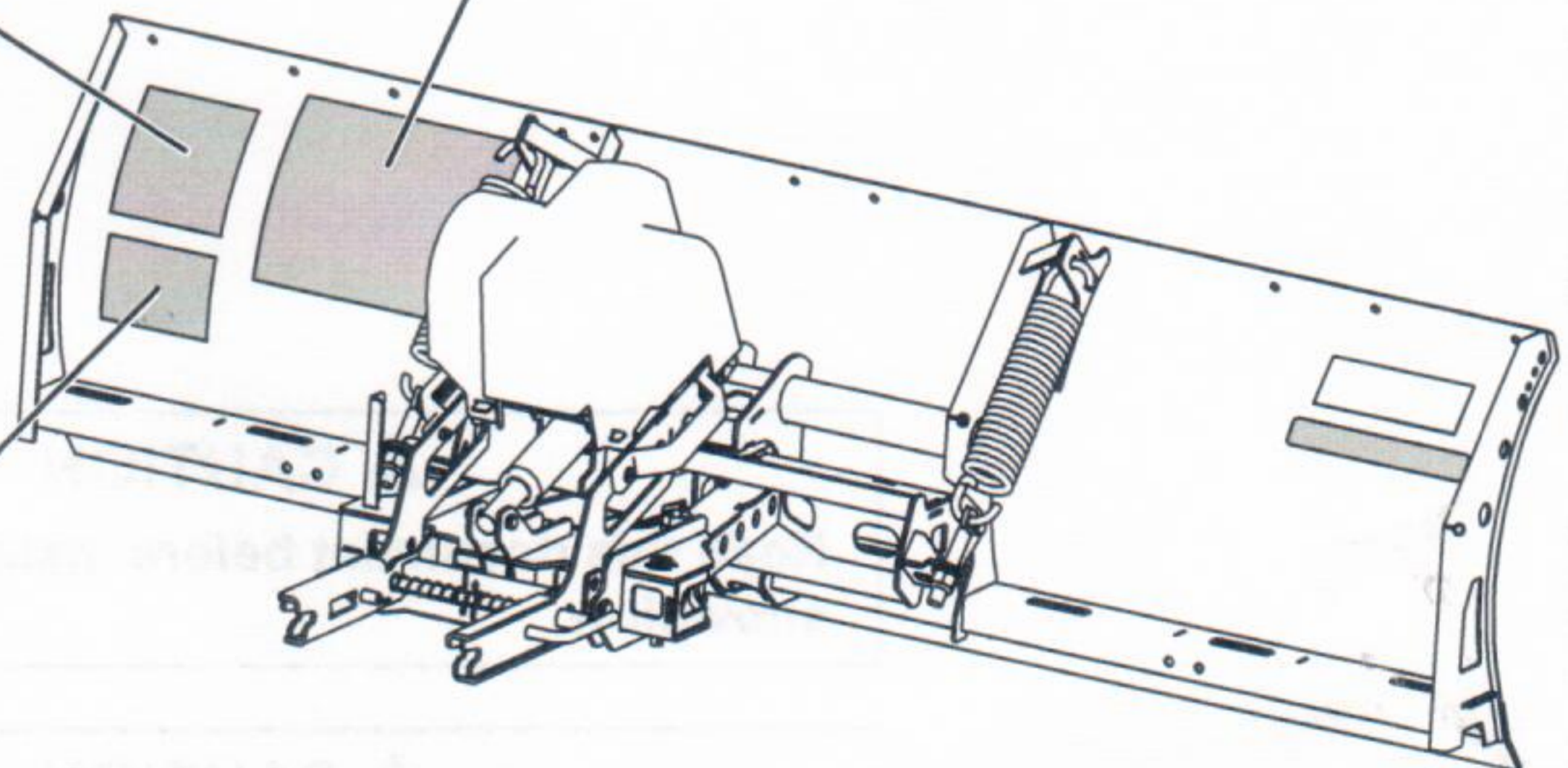
<b>⚠ WARNING</b>	
	Blade could drop unexpectedly, crushing or trapping limbs. Lower blade when vehicle is parked.
	Overloading could negatively affect vehicle handling. To avoid serious injury or death, do not exceed maximum vehicle load capacity, including blade and ballast.
<b>⚠ CAUTION</b>	
	Read Owner's Manual before operating or servicing snowplow.
	Transport speed should not exceed 20 mph (32 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.

**Warning Label**

<b>⚠ WARNING</b>	
	<b>HIGH-PRESSURE FLUID HAZARD</b>
	To prevent serious injury or death:
	Relieve pressure on hydraulic system before servicing or disconnecting.
	Wear proper hand and eye protection when searching for leaks. Use wood or cardboard instead of hands. Keep all components in good repair.

**Attach/Detach Label**

<b>ATTACH</b>		<b>⚠ WARNING</b> Keep fingers away from snowplow and UTV attachment points.	
<ol style="list-style-type: none"> <li>Verify that plow control in vehicle is disconnected. Slowly drive vehicle forward to engage rear headgear arms into receiver slots, bottoming out headgear arms in slots.</li> <li>Plug in electrical harness.</li> <li>Plug in plow control in vehicle. Press plow control switch <b>down</b> to activate FLOAT.</li> <li>On driver's side, pull up on headgear to relieve pressure on connecting pins while pulling driver's side connecting pin out. Rotate pin toward mount; insert it into connecting pin hole.</li> <li>Verify that connecting pin is engaged in mount (through outside &amp; inside plates) and extends approximately 1/8" through the plate.</li> <li>Repeat on passenger's side.</li> <li>Remove wire-lock clevis pin. Fully raise Jack stand. Insert pin in hole &amp; engage wire lock.</li> </ol>			<b>ATTACH – Steps 4, 5, &amp; 6</b> <b>DETACH – Step 3</b>
<ol style="list-style-type: none"> <li>With blade straight, lower snowplow to the ground. Press plow control switch down to activate FLOAT.</li> <li>Remove wire-lock clevis pin. Fully lower Jack stand. Insert pin in Jack stand hole that aligns with hole in angle frame. Engage the wire lock.</li> <li>On driver's side, pull up slightly on headgear to relieve pressure on connecting pin while removing the pin. Rotate pin &amp; insert into hole in headgear.</li> <li>Repeat on passenger's side.</li> <li>Unplug electrical harness. Unplug plow control in vehicle.</li> <li>Back vehicle away to disconnect headgear from receivers.</li> </ol>			<b>ATTACH – Step 7</b> <b>DETACH – Step 2 &amp; 4</b>
			
Read Owner's Manual for complete instructions.			



## 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

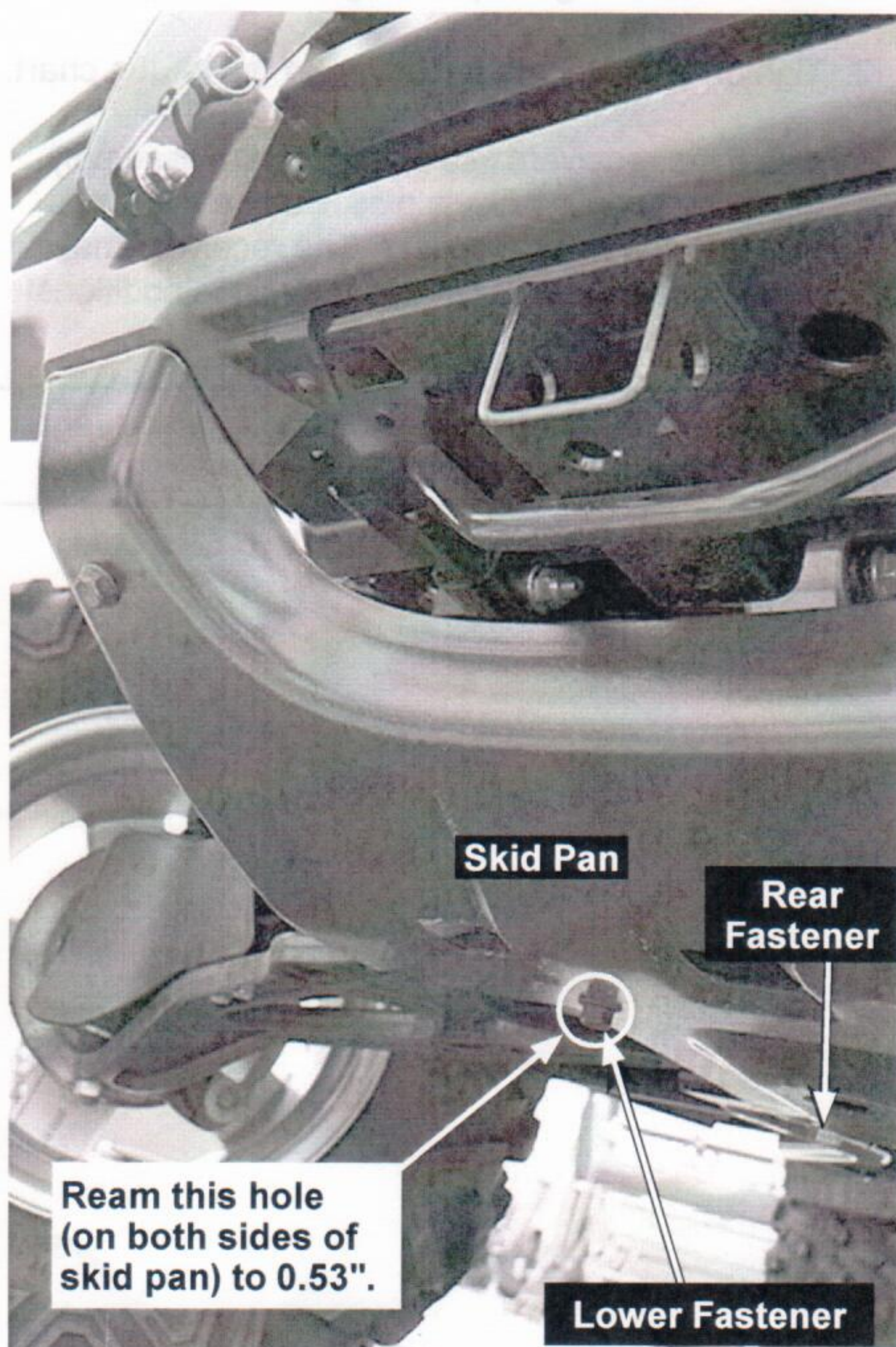
Metric Fasteners Class 8.8 and 10.9					
Size	Torque (ft-lb)		Size	Torque (ft-lb)	
	 Class 8.8	 Class 10.9		 Class 8.8	 Class 10.9
M6 x 1.00	7.7	11.1	M20 x 2.50	325	450
M8 x 1.25	19.5	26.9	M22 x 2.50	428	613
M10 x 1.50	38.5	53.3	M24 x 3.00	562	778
M12 x 1.75	67	93	M27 x 3.00	796	1139
M14 x 2.00	107	148	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 two lower fasteners from the skid pan on the vehicle. Remove and retain the two rear fasteners attaching the bottom splash pan to the frame.



2. Ream the two lower skid pan fastener holes (located on both sides of the skid pan) to 0.53".
3. Place a 7/16" washer on each of the two 7/16" x 1-1/4" cap screws. Install the cap screws with washers down through the two holes reamed to 0.53" in Step 2.
4. Position the skid plate assembly underneath the vehicle. Raise the skid plate assembly up to the bottom of the vehicle frame, allowing the 7/16" fasteners installed in Step 3 to protrude through the middle slots of the skid plate assembly. Secure the skid plate in place using 7/16" washers and 7/16" locknuts. Hand tighten.
5. Place a 1/2" washer on each of the two rear OEM fasteners removed in Step 1. Install the fasteners through the rearmost slots of the skid plate assembly.
6. Check that the skid plate assembly is centered from left to right, and pushed rearward as far as possible. Tighten the fasteners installed in Steps 3–5 according to the torque chart.

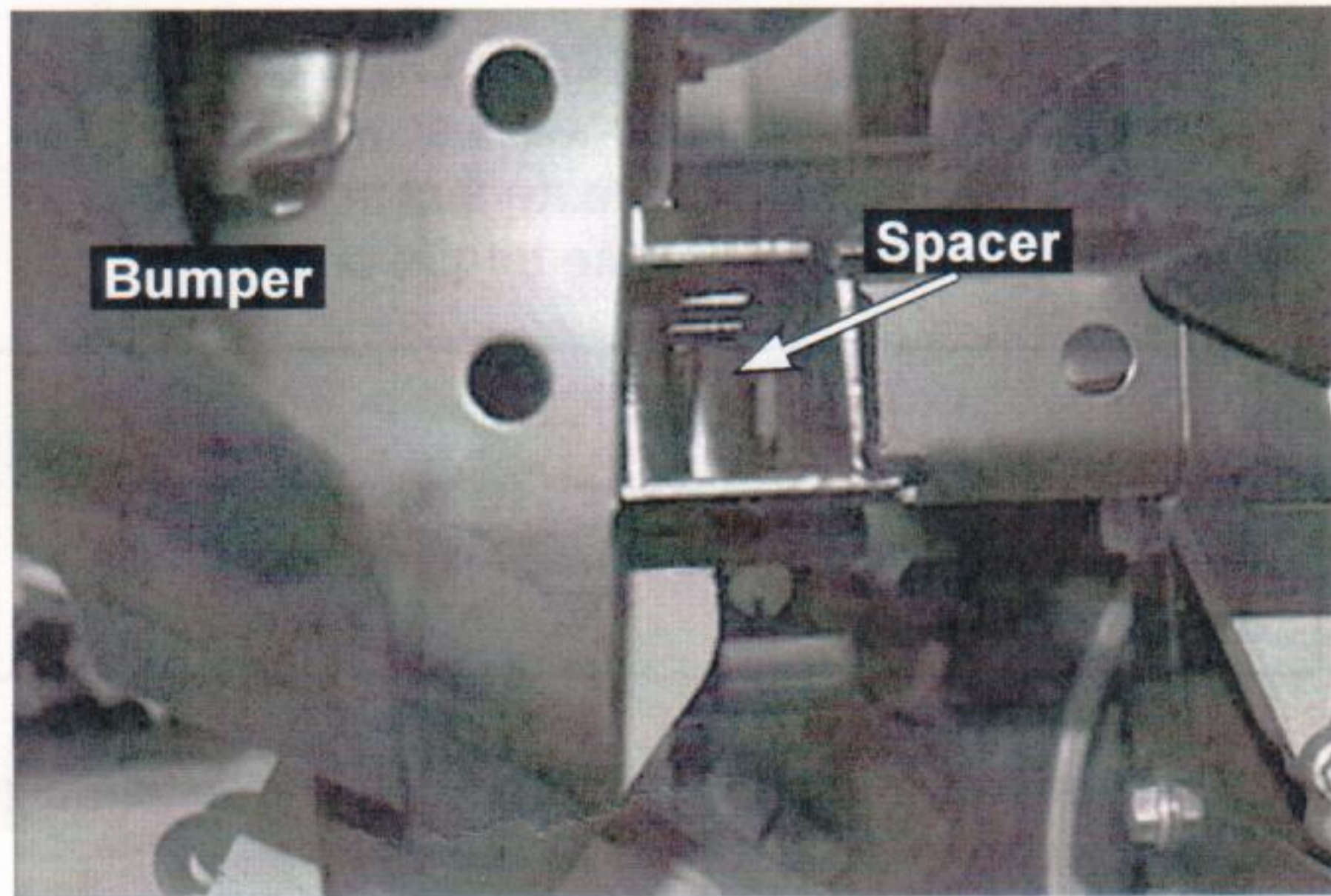
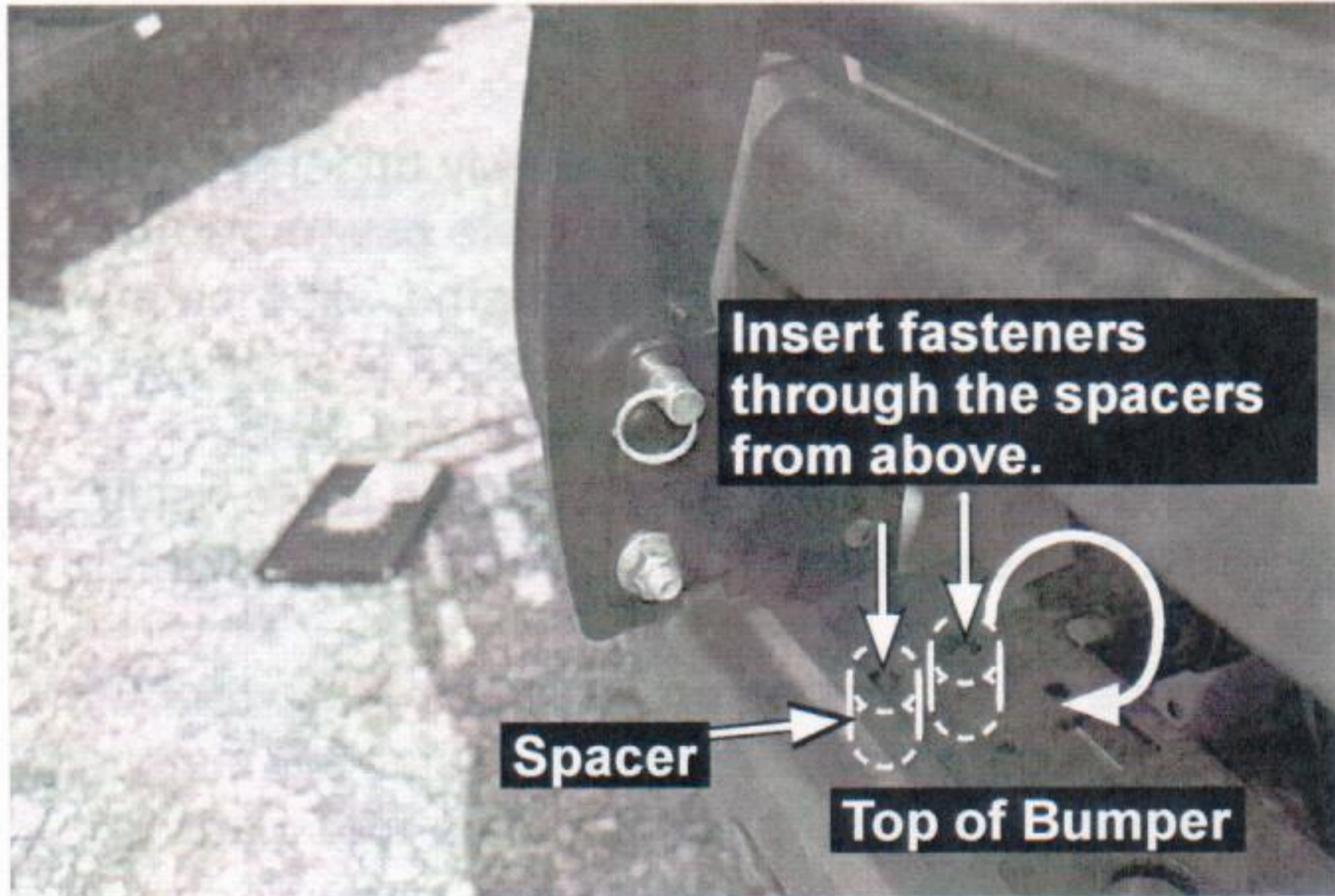
### ⚠ CAUTION

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

7. Use the four front holes of the skid plate assembly as a guide to drill four 13/32" holes through the front splash pan.

**NOTE:** It may be necessary to first mark the hole locations, then remove the skid plate assembly to drill the holes.

8. Insert two frame spacers underneath the bumper on each side of the vehicle. Align the spacers with the holes as shown. Insert a 7/16" x 2-1/2" cap screw down through each hole, then insert a spacer from above.



9. Position the driver-side bracket between the upper bumper and splash pan. Insert the 7/16" fasteners installed in Step 8 down through the driver-side bracket. Secure with 7/16" locknuts. Hand tighten.
10. Install two 3/8" x 1-1/2" cap screws through the front holes of the skid plate assembly, splash pan, and driver-side bracket. Secure with 3/8" washers and 3/8" locknuts. Hand tighten.
11. Repeat Steps 9 and 10 on the passenger's side of the vehicle using the passenger-side bracket.
12. Tighten all fasteners according to the torque chart.
13. Install the receivers into the skid plate assembly using the supplied clevis pins. Secure the clevis pins with the hairpin cotters. The receivers may be removed when not in use to provide additional ground clearance.

**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.

Printed in U.S.A.