

SNO-WAY®

SNOW & ICE CONTROL EQUIPMENT

INSTALLATION INSTRUCTIONS

**SHOE ASSEMBLY KIT
99101136**

TO FIT:
UTV SERIES SNOW PLOWS

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1. **THINK SAFETY, ALWAYS WEAR SAFETY GLASSES WHEN PERFORMING THE OPERATIONS PRESCRIBED IN THESE INSTRUCTIONS**
2. **READ ALL INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING INSTALLATION**
3. **BEFORE BEGINNING WORK MAKE SURE TO SET PARKING BRAKE AND CHOCK WHEELS**



ASSEMBLY TOOLS NEEDED

Wrenches	7/16" – 1-3/8"
Wrenches, Metric	10mm - 18mm
Torque Wrench	

INSTALLATION NOTES

1. Unless otherwise specified, mount all kit components to vehicle before tightening any hardware.
2. It is recommended that LOCTITE®, or similar thread locking product, be used on ALL mounting hardware (i.e. Nuts, Cap Screws, Bolts, etc.).

MOUNTING INSTRUCTIONS

Disc Shoe Bracket Installation

1. Raise plow to full up position.
2. Position a pair of jackstands under the blade and lower onto the stands.
3. Turn vehicle ignition switch and plow control OFF and apply emergency brake.
4. On the drivers side of the blade, locate two empty holes on the top rear of the bottom rail. If there is a wearstrip carriage bolt centered between the two empty holes remove and discard the nut. Then proceed to step 7. Remove the nut from the carriage bolt and discard (See Figure 1).

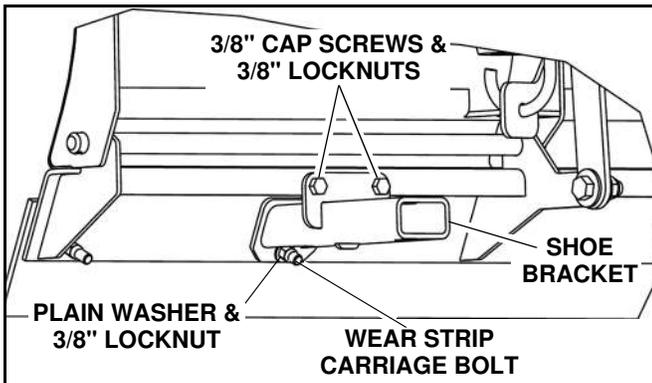


Figure 1

5. If there is not a carriage bolt centered between the two empty holes, bolt the shoe bracket to the bottom rail using the top two holes. Mark the location of the lower hole.
6. Remove the bracket, and drill a 13/32" diameter hole thru the bottom rail and wearstrip. Insert a 3/8-16 X 1 1/2 cap screw in the hole.
7. Place the single bottom hole of the shoe bracket over the carriage bolt or cap screw, and align the two top holes with the empty holes in the bottom rail.

8. Install a 3/8" plain washer and 3/8" lock nut on the carriage bolt or cap screw.
9. Insert two 3/8" X 1" cap screws in the top holes and secure with two 3/8" lock nuts.
10. Tighten hardware.
11. Repeat steps 4-11 to install mounting bracket on opposite side of plow.

Disc Shoe Installation

1. Raise plow to full up position.
2. Position a pair of jackstands under the blade and lower onto the stands.
3. Turn vehicle ignition switch and plow control OFF and apply emergency brake.
4. Install washers on disc shoe as required to position bottom of disc shoe at same height as bottom edge of wear strip.
5. Install shoe with washers through disc shoe bracket. Add washers and retaining lynch pin to secure (See Figure 2).

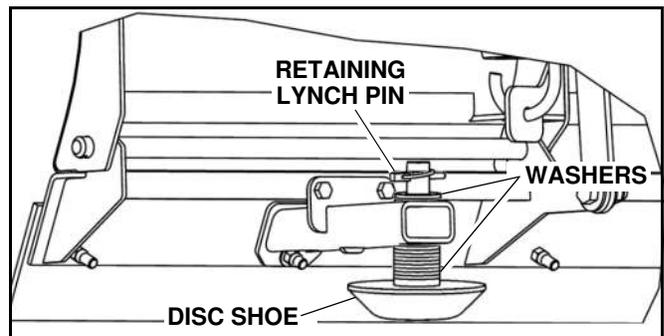


Figure 2

6. Repeat steps 4 & 5 to install disc shoe on opposite side of plow.

Disk Shoe Adjustment

1. Raise plow to full up position.
2. Position a pair of jackstands under the blade and lower onto the stands.
3. Turn vehicle ignition switch and plow control OFF and apply emergency brake.
4. Adjust shoe assemblies by removing shoe mounting lynch pin and adding or subtracting washers on the top or bottom of the shoe mounting bracket as required. (See Figure 3).

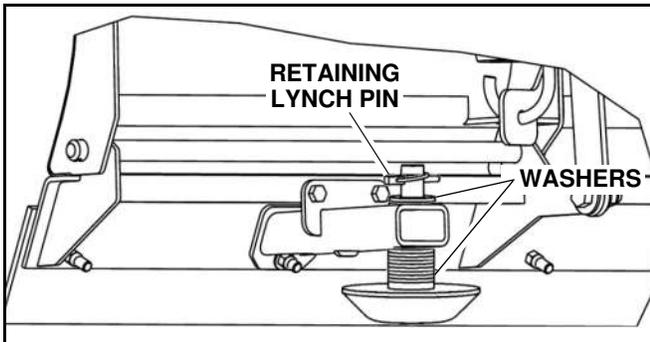
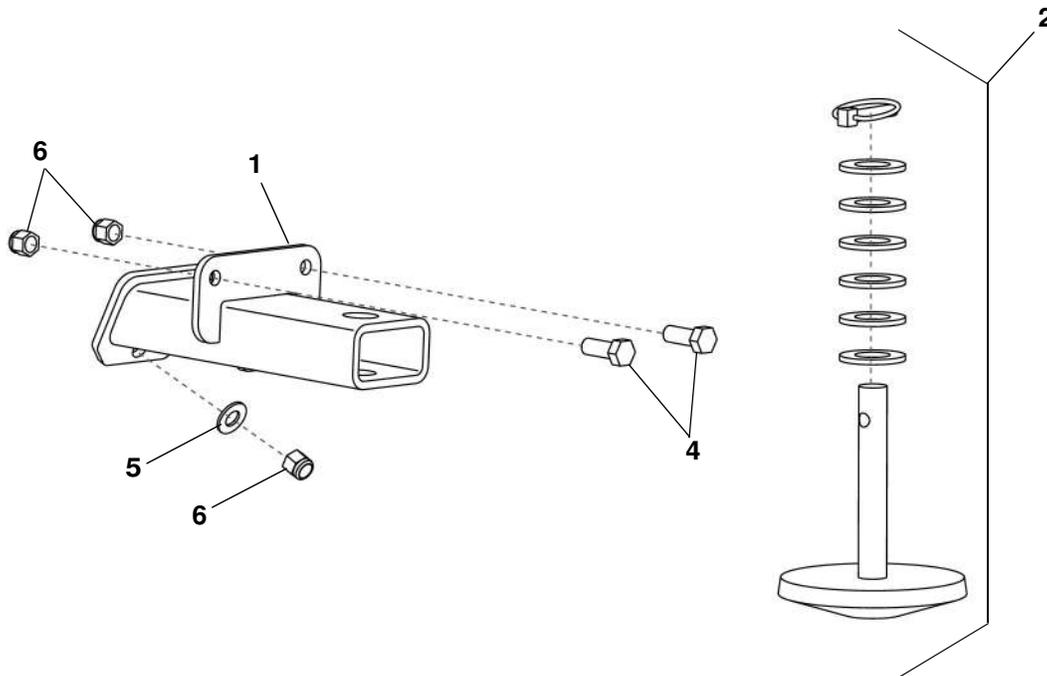


Figure 3

5. After the disk shoe position is properly adjusted place washer on the shoe stem - above the disk shoe mounting bracket and below the retaining lynch pin - to remove all up and down movement of the disk shoe in the bracket. Failure to do so will result in excessive wear of the holes in mounting bracket or bending of the disk shoe stem.

IMPORTANT: Snap lynch pin ring over so that it contacts the pin. If ring does not contact lynch pin, rotate the pin and reverse the direction of the ring. If the ring does not contact the pin it is not locked and could fall out.

PARTS LIST



ITEM	PART NO.	DESCRIPTION	QTY.
	99101136	Disc Shoe Kit (Includes Items 1 - 3).....	1
1		Weldment, Shoe Bracket.....	2
2		Shoe Assembly (15, 18, 23 Series).....	2
3		Hardware Kit (Includes Items 4 - 6).....	1
4		Bolt, 3/8" x 1".....	4
5		Plain Washer, 3/8".....	2
6		Locknut, 3/8".....	6

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