INSTALLATION INSTRUCTIONS
ATV PLOW

Mount Kit: PN 39608
Application: XPLORER 300/400 1999-2002

Your safety, and the safety of others, is very important. To help you make informed decisions about safety, we have provided installation and operating instructions and other information on labels and in this guide. This information alerts you to potential hazards that could hurt you or others. It is not possible to warn you about all potential hazards associated with this product, you must use your own good judgment.

CARELESS INSTALLATION AND OPERATION CAN RESULT IN SERIOUS INJURY OR EQUIPMENT DAMAGE. READ AND UNDERSTAND ALL SAFETY PRECAUTIONS AND OPERATING INSTRUCTIONS BEFORE INSTALLING AND OPERATING THIS PRODUCT.

This guide identifies potential hazards and has important safety messages that help you and others avoid personal injury or death. **WARNING** and **CAUTION** are signal words that identify the level of hazard. These signal words mean:

⚠ WARNING signals a hazard that could cause serious injury or death, if you do not follow recommendations.

CAUTION signals a hazard that may cause minor to moderate injury, if you do not follow recommendations.

This guide uses **NOTICE** to call attention to important mechanical information, and **Note:** to emphasize general information worthy of special attention.

⚠WARNING

SEVERE INJURY OR DEATH MAY RESULT IF YOU IGNORE ANY OF THE FOLLOWING.

- **Always read the Plow Operator's Manual, the Winch Operator's Manual, and all warning labels before operating or using your ATV plow.**
- **Always operate ATV at a walking speed with the blade installed. Do Not exceed 5mph (8 km/h) even with the blade up.**
- **Always plow CAUTIOUSLY, impact with a hidden or stationary object may cause the ATV to stop suddenly or go out of control.**
- **Never operate the ATV on slopes greater than 10° with the plow installed.**
- **Never stand or ride on the plow.**
- **Always stay clear of moving parts and joints. Keep others away when operating or adjusting plow.**
- **Always inspect the plow mechanism, fasteners, cable, and adjustments before operating. Replace all worn or damaged parts before operating.**
- **Always lower the plow to the down position before leaving the ATV unattended.**

TOOLS REQUIRED:

Ratchet
Sockets: 3/8", 7/16", 1/2",9/16"
Wrench: 3/8", 7/16", 1/2",9/16"
Phillips Screwdriver (optional)

PARTS LIST:

PART NO.	QUANTITY	DESCRIPTION
1827	1	3/8-16 x 1” Hex Bolt
2002	1	5/16”-18 Nylock Nut
6725	6	1/4” Nylock Nut
6779	1	3/8” Nylock Nut
6305	1	1/4”-20 x 3/4” Self Tapping Bolt
21331	1	5/16”-18 x 1 Hex Bolt
31804	4	1/4”-20 x 1” Hex Bolt
35391	2	J-Bolt
60541	1	Frame Clamp, Left
60548	1	Frame Clamp, Right
60540	1	Frame Mount, Xplorer
62845	1	J-Bolt Mount

1. Plow Mount Installation

Use a 3/8” sock to remove the six (6) 1/4” bolts securing the skid plate to the ATV. Remove the plastic skid plate and install the left Frame Clamp (Figure 2) over the exposed steel plate. Fasten the Frame Clamp to the frame using the included 1/4” self-tapping bolt and the 5/16” bolt and nut included in this kit (see Figure 1). Tighten the fasteners and reinstall the skid pan.

NOTE: Do not reinstall the two (2) forward skid plate bolts until the frame mounting bracket is in place.

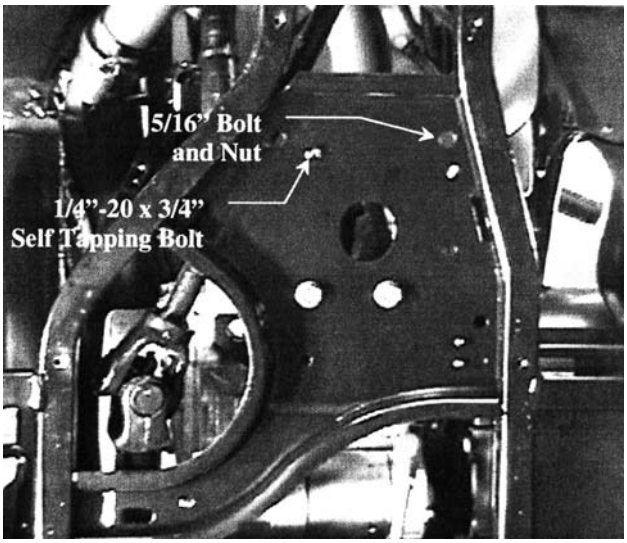


FIGURE 1: Remove Skid Plate

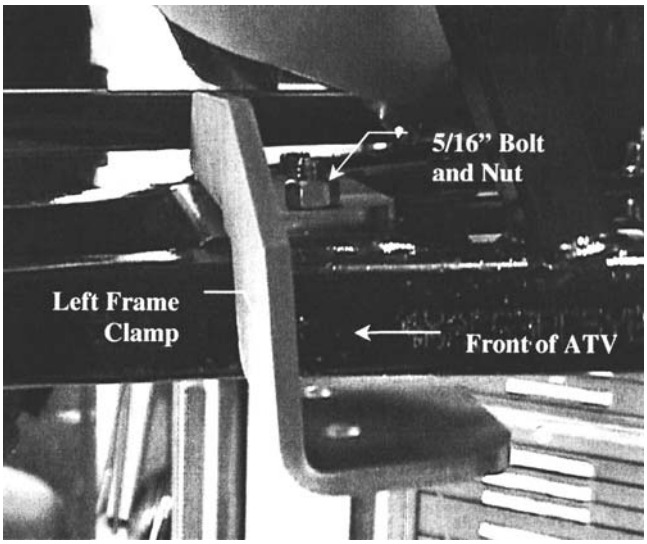


FIGURE 2: Install Frame Clamp (left side view)

Hold the Frame Mount bracket against the skid plate such that the holes in the bracket line up with the forward holes in the skid plate. The flanges on the top of the Frame Mount bracket should be close to the frame tubes when it is in the correct location. Use the remaining two (2) skid plate bolts to secure the Frame Mount to the ATV (see Figure 3).

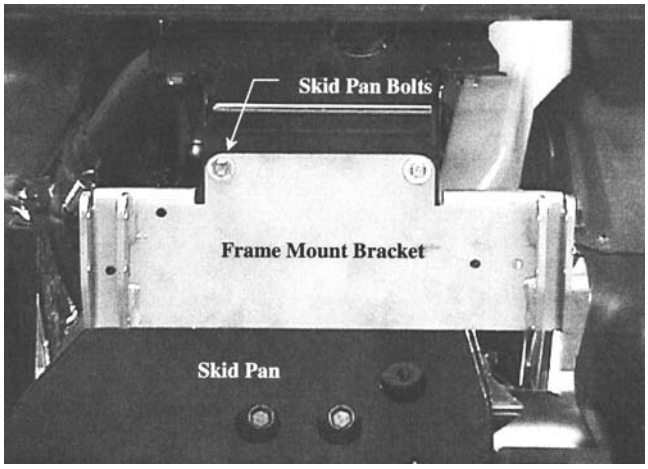


FIGURE 3: Install Frame Mount Bracket

With the Frame Mount in position, install the smaller Frame Clamp on the right side of the bracket (Figure 4). Lay the clamp across the Frame Mount and against the ATV frame tube such that the holes line up. Secure the clamp to the frame bracket using two (2) 1/4" x 1" bolts and corresponding Nylock nuts.

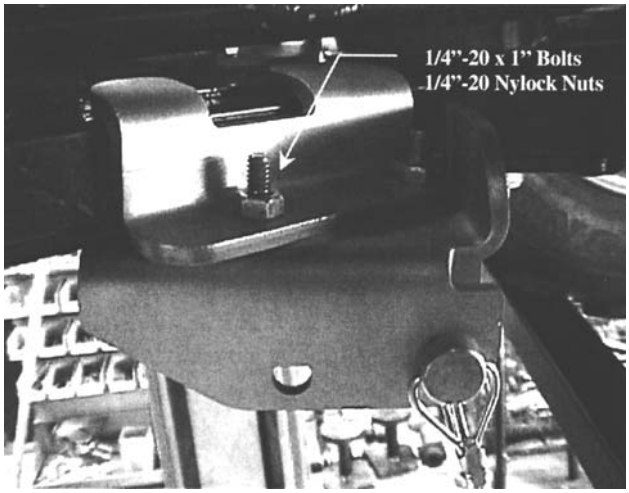


FIGURE 4: Install Right Frame Clamp

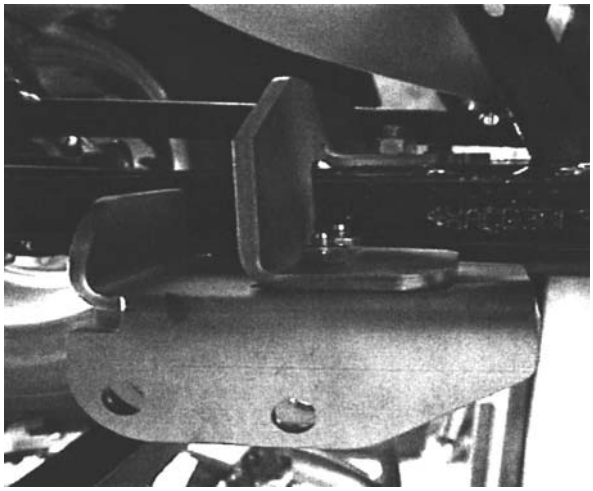


FIGURE 5: Secure Left Frame Clamp

Use the two (2) remaining 1/4"-20 x 1" bolts and Nylock nuts to secure the left Frame Clamp to the Frame Mount (Figure 5). Use a 7/16" wrench and socket to tighten the 1/4" fasteners.

Torque fasteners to following specifications:

Torque 1/4" Bolts: 8 ft-lb (11 N-m)
Torque 5/16" Bolts : 17 ft-lb (23 N-m)

2. Plow Installation:

Slide the plow into position with the tubes under the ATV. Lift the end of the tube assembly into position so the holes in the Tube Wings line up with the 3/8” holes in the frame brackets (Figure 4). A Phillips head screwdriver may be used to align the holes.
Insert both 3/8” pins and hook the retaining clips on the ends of the pins to secure the plow to the ATV.

⚠WARNING

When using a winch with this plow, read your winch operator manual before proceeding with this installation. ALWAYS USE EXTREME CAUTION WHILE WORKING WITH OR AROUND A WINCH AS SEVERE INJURY MAY OCCUR. A roller fairlead must be used for lifting and lowering the plow. Cable damage will occur if a roller fairlead is not used.

Attach the J-bolt bracket to the center hole in the plow cross member using a 3/8”dia x 1” long bolt as shown in figure 4. The bracket should be mounted on the blade side of the crossmember with the side flanges parallel to the ground. Terminate the with a 3/8”dia nylock nut. Tighten the bolt and nut to recommended torque of 20 ft-lb (28 N-m).

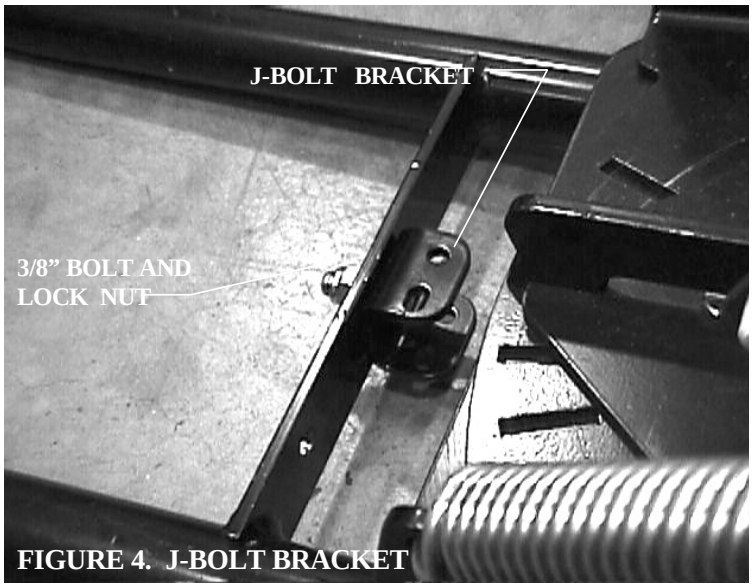


FIGURE 4. J-BOLT BRACKET

Run the winch cable over the roller fairlead and down to the J-bolt bracket. Using a 1/4" dia J-bolt, hook the loop on the end of the winch cable and slide the threaded end of the J-bolt into the slotted hole in the J-bracket. Terminate the end of the J-bolt with a 1/4"dia nylock nut. Tighten the nut until the winch cable is snug inside the J-bolt as shown in figure 5.

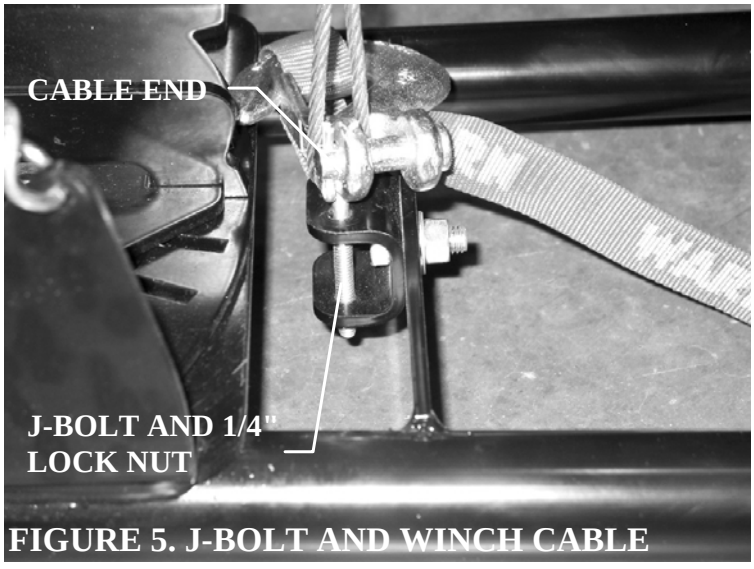


FIGURE 5. J-BOLT AND WINCH CABLE

Note: **Do not remove the winch hook installed on the end of the winch cable, simply slide it out of the way.**

⚠CAUTION
The purpose of the J-bolt is to break the connection between the plow and ATV when the plow is subjected to high forces that could damage the plow or vehicle. The plow will drop instantly if the J-bolt breaks, so be sure there are no bystanders when operating the plow. **Instances when the J-bolt might break are:** **. If the plow is raised too high and stalls.** **. If the operator is trying to lift too much material with the plow blade.** **In general, do not raise the top of the plow blade above the headlights of the vehicle. If the plow stalls, stop the winch immediately and lower the plow. After pushing material with the plow, backup the ATV prior to raising it. If the J-bolt breaks, replace it with the spare hardware found in this kit. Read the Plow Operators Guide for more information.**

THE INSTALLATION SHOULD NOW BE COMPLETE.
READ THE OPERATOR'S MANUAL PRIOR TO USE OF THIS PRODUCT.