



INSTALLATION INSTRUCTIONS

Front Plow Mount Kit

Part Number: 108000

Application: 2021 Yamaha Wolverine X2 and X4

GENERAL SAFETY PRECAUTIONS

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

IMPACT AND MOVING PARTS ENTANGLEMENT HAZARD

Failure to observe these instructions could lead to severe injury or death

- **Always** Read the Plow Operator's Manual, the Winch Operator's Manual and all warning labels before operating.
- **Always** use extreme caution when drilling on any vehicle. Make sure that all fuel lines, brake lines, electrical wires, and other objects are not punctured or damaged when/if drilling on the vehicle. Thoroughly inspect the area to be drilled (on both sides of material) prior to drilling, and relocate any objects that may be damaged. Failure to inspect the area to be drilled may result in vehicle damage, electrical shock, fire or personal injury.
- **Always** wear safety glasses when installing this kit. A drilling operation will cause flying metal chips. Flying chips can cause eye injury.
- **Always** use extreme caution when cutting and trimming during fitting.
- **Always** remove jewelry and wear eye protection.
- **Never** lean over battery while making connections.
- **Never** route electrical cables:
 - o Across any sharp edges.
 - o Through or near moving parts.
 - o Near parts that become hot.
- **Always** insulate and protect all exposed wiring and electrical terminals.
- **Always** install terminal boots as directed in installation instructions.
- **Always** use appropriate and adequate care in lifting components into place.
- **Always** insure components will remain secure during installation and operation.
- **Always** tighten all nuts and bolts securely, per the installation instructions.
- **Always** operate the vehicle at a walking speed with the blade installed. Never exceed 5 mph (8 km/h), even with blade up.
- **Always** plow cautiously, impact with hidden or stationary object may cause the vehicle to stop suddenly or go out of control.
- **Never** operate the vehicle on slopes greater than 10 degrees with the plow installed.
- **Never** stand or ride on the plow.
- **Always** stay clear of moving parts and joints. Always keep others away when operating or adjusting plow.
- **Always** perform regular inspections and maintenance on the plow mechanism, fasteners, cable and related hardware.
- **Always** replace all worn or damaged parts before operating.
- **Never** operate this WARN product with damaged or missing parts.
- **Always** drive slowly over bumpy and rough terrain. Driving at speeds that cause the plow to bounce while in the up position can cause the winch to back-drive, causing the plow to work its way down. This may result in the plow impacting a stationary object and cause damage to the vehicle and operator injury or death.
- **Always** drive at speeds such that the plow does not bounce and be aware of the plow position while driving at all times.
- **Always** be aware that the purpose of the j-bolt is to break the connection between the plow and the winch, to prevent serious damage to the ATV if the plow is raised too high. The plow blade will drop suddenly if the j-bolt breaks, so always be sure there are no bystanders when you raise and lower the plow.
- **Never** raise the top of the plow above the headlights of the ATV, as it may damage the vehicle and plow.
- **Always** replace a deformed or broken j-bolt with the spare j-bolt included in the kit.

Read installation and operating instructions thoroughly.

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Clackamas, OR USA 97015-8903, 1-503-722-1200, FAX: 1-503-722-3000
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Dealer Locator Service: 1-800-910-1122
International Fax: 1-503-722-3005

CAUTION

MOVING PARTS ENTANGLEMENT HAZARD

Failure to observe these instructions could lead to minor or moderate injury

- **Always** take time to fully read and understand the installation and Operations Guide included with this product.
- **Never** operate this product if you are under 16 years of age.
- **Never** operate this product when under the influence of drugs, alcohol or medications.

Read installation and operating instructions thoroughly.

NOTICE

EQUIPMENT DAMAGE

- **Always** refer to the Installation and Specification Guide, supplied in the winch kit, for all wiring schematics and specific details on how to wire this WARN product to your vehicle.
- **Always** put the end of the actuator cable through the slot in the Termination Bracket. Terminating the cable through any other hole in the bracket will cause the bracket to not function properly and will drastically reduce the life of the actuator cable.

Read installation and operating instructions thoroughly.

NOTES

TABLE OF CONTENTS

Tools Required	page 2
Parts List.....	page 3
Torque Specifications.....	page 3
Installation	page 4-7
Maintenance/Care.....	page 7

TOOLS REQUIRED

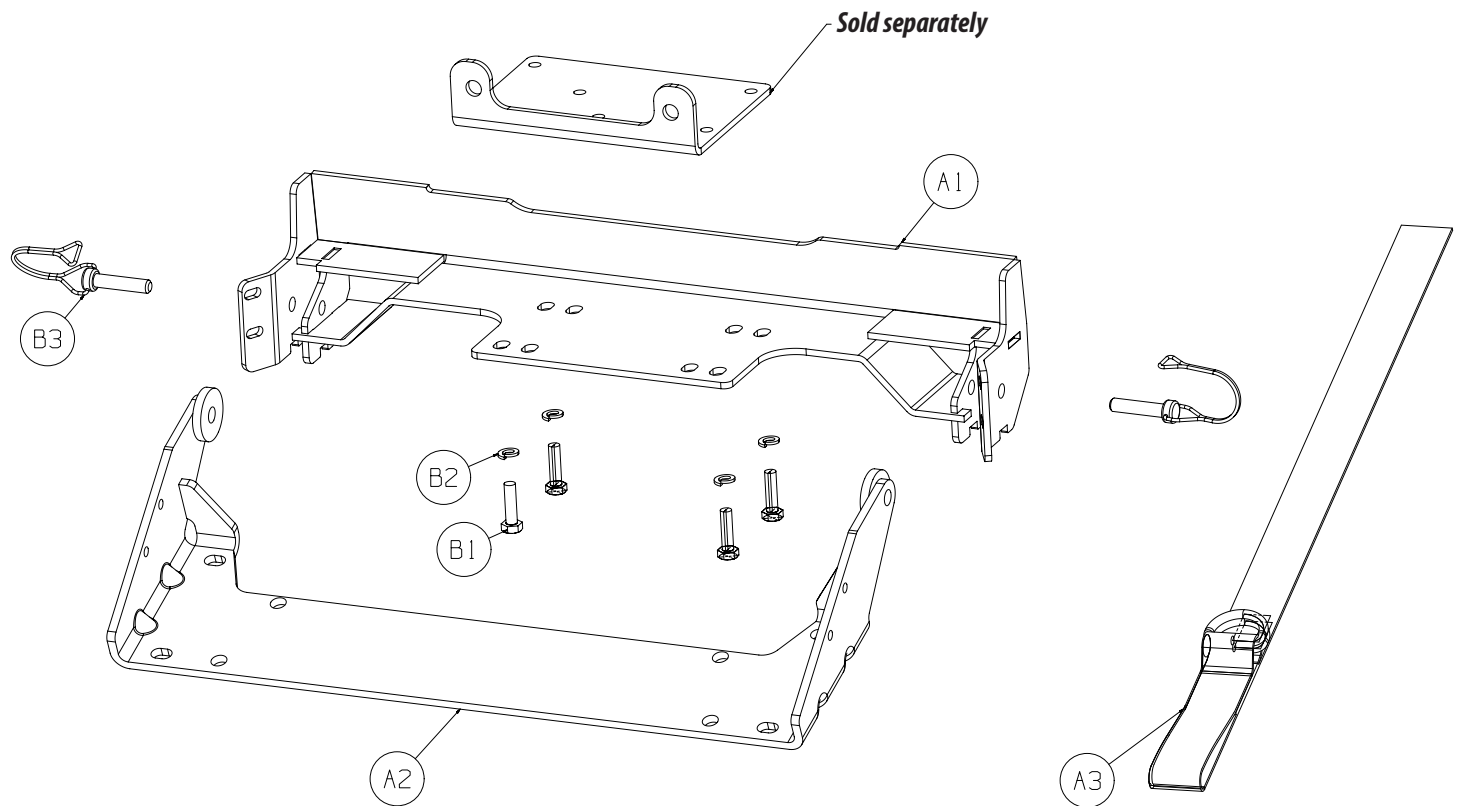
- Standard wrenches
- Standard sockets
- Allen wrench

BEFORE YOU BEGIN

- If your vehicle has a winch installed, you will need to remove the winch before installing the plow mount.

PARTS LIST

ITEM	PN	DESCRIPTION	QTY	ITEM	PN	DESCRIPTION	QTY
A1	108130	PLOW MOUNT	1	B1	13454	M8 X 30MM FLANGE HEAD BOLT	4
A2	99747	PLOW FLANGE	1	B2	92600	M8 LOCK WASHER	4
A3	82466	TERMINATION STRAP	1	B3	35136	PLOW PIN W/ SAFETY BAIL	2



TORQUE SPECIFICATIONS

Please use the recommended torque specifications when assembling this product unless otherwise specified in the instructions.

FASTENER SIZE			FASTENER TORQUE		
	lb-ft	(N.m)		lb-ft	(N.m)
1/4"	8	(11)	M4	(2)	3
5/16"	17	(23)	M5	(4.5)	6
3/8"	30	(40)	M6	(7.5)	10
7/16"	48	(66)	M8	(18)	25
1/2"	74	(100)	M10	(37)	50
9/16"	106	(144)			
5/8"	148	(200)			
3/4"	269	(364)			

INSTALLATION INSTRUCTIONS

1. From under vehicle, remove the six Torx head screws from the front plastic skid plate, giving you access to the winch mounting holes. **Save hardware for reinstallation.**

NOTE: If vehicle is equipped with a winch, remove now.

- * Disconnect the power leads from the battery.
- * Disconnect the yellow and blue cables from the winch.
- * Remove the four bolts securing the winch to the mount.
- * Slide the winch out through the side of the bumper.

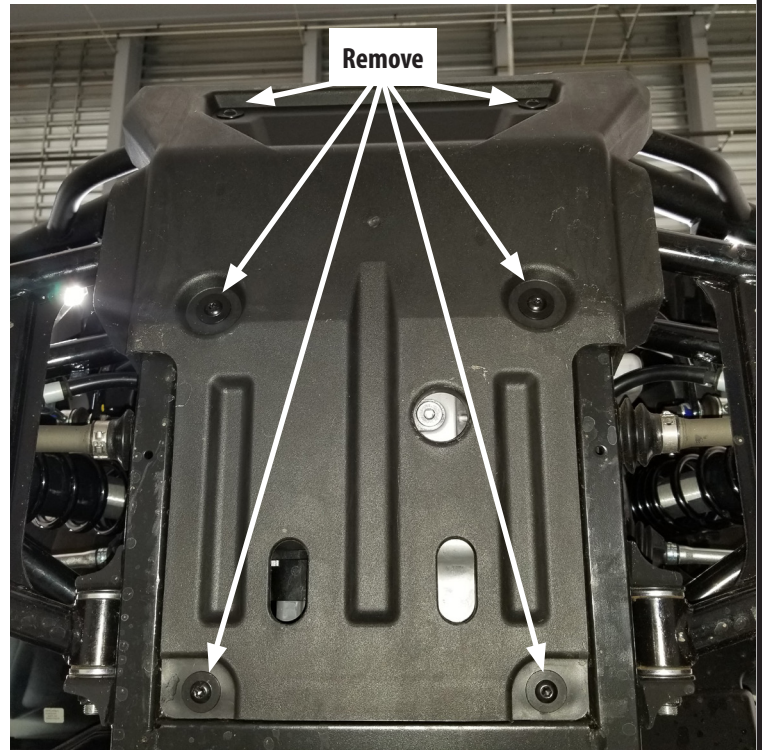


Figure 1

2. Remove the three lower hex heads screws. **Save hardware for reinstallation.**

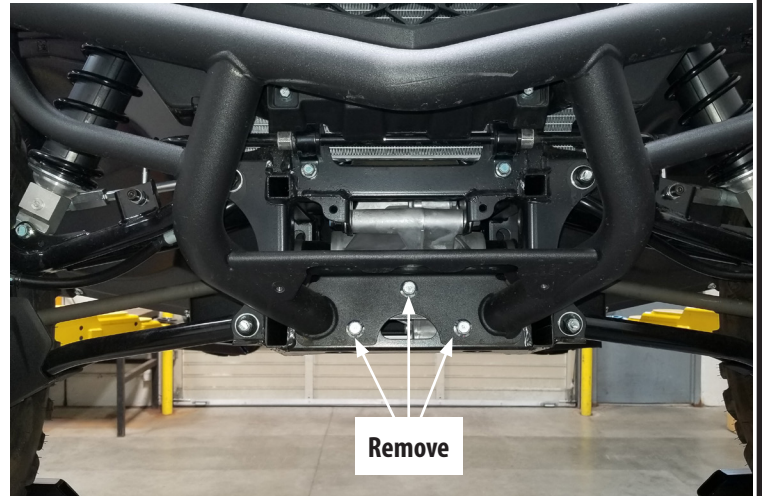


Figure 2

3. Remove the upper hex head bolt from each side of the bumper. **Save hardware for reinstallation.**

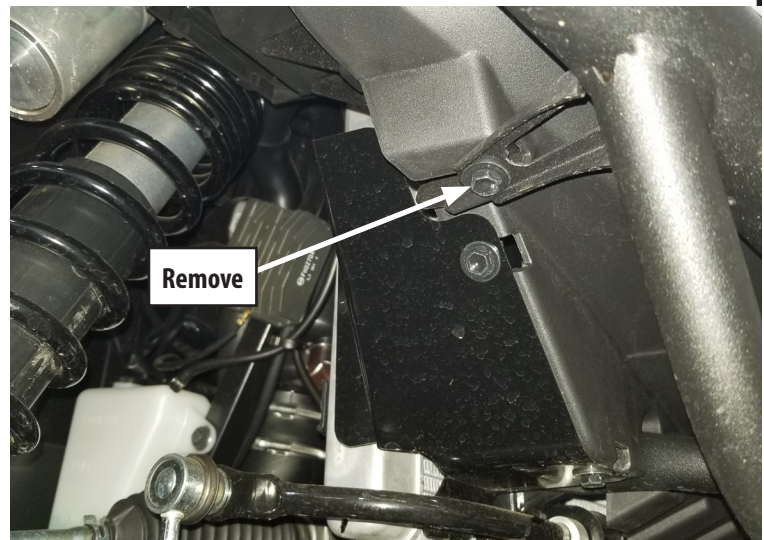


Figure 3

INSTALLATION INSTRUCTIONS

4. Pull up and outward on the lower mounting point of the front bumper, separating it from the frame just enough to slide the plow mount in from the side.

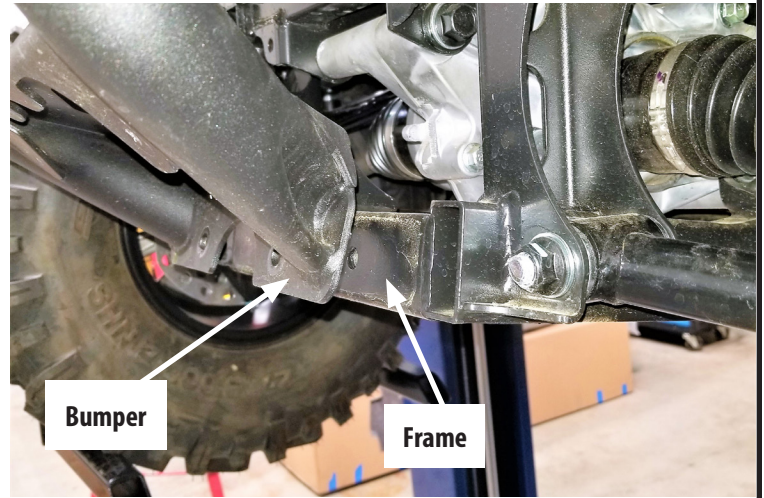


Figure 4

5. From the side of the vehicle:
 - a. Slide the plow mount in place between the bumper and frame. ***Do not mount to vehicle at this time.***

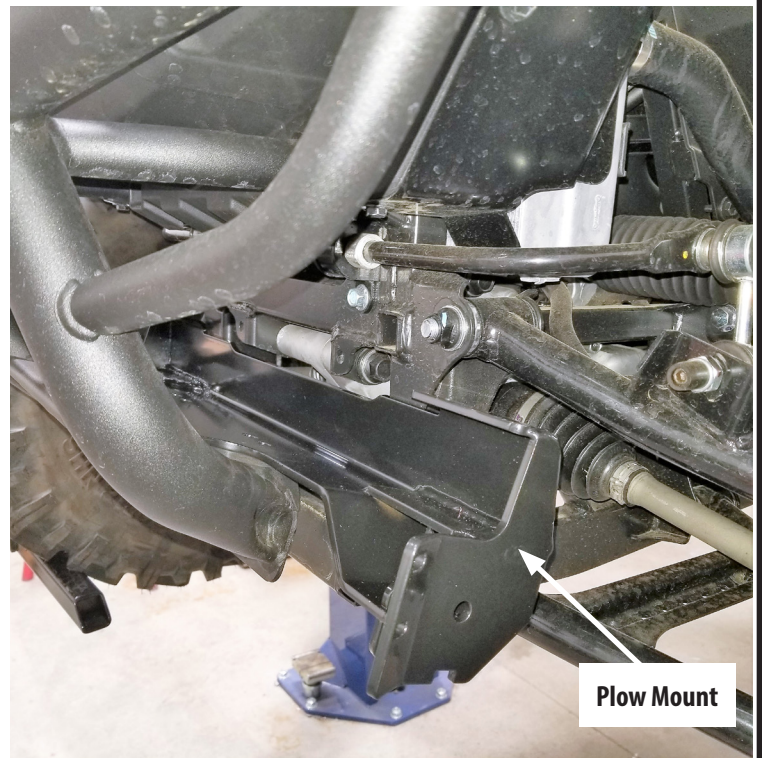


Figure 5

- b. Slide the winch in place, on top of the plow mount. ***Do not mount to vehicle at this time.***

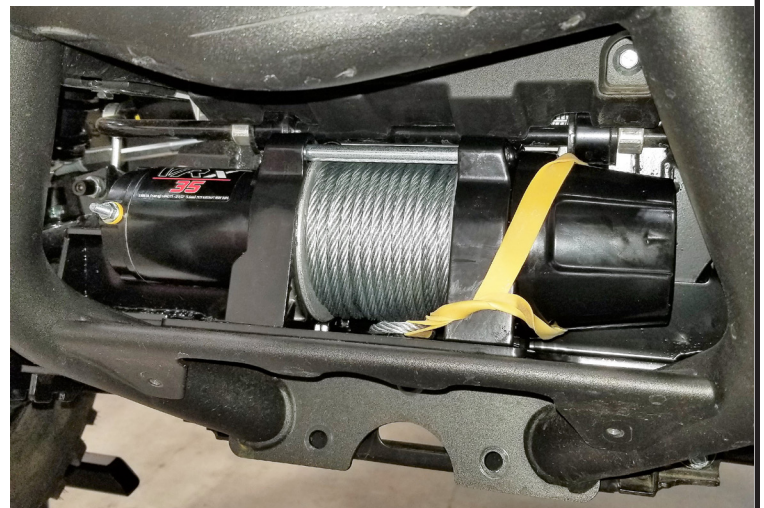


Figure 6

INSTALLATION INSTRUCTIONS

6. Install fairlead to the fairlead plate (sold separately).



Figure 7

7. From the front of the vehicle, insert the fairlead bracket assembly between the winch and the plow mount.
NOTE: Be sure the winch rope's loop is through fairlead.
8. With all components in position, push the bumper back in place and reinstall the upper and lower bumper mounting hardware (see previous steps 2 and 3).

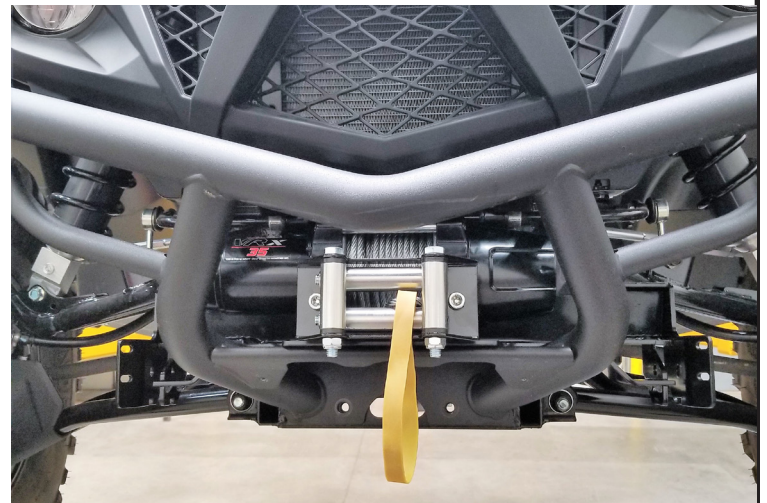


Figure 8

TIP: At this time, it may be helpful to use a small Phillips screw driver to aid in aligning the components, before installing the bolts.

9. From under the bumper, install four M8 bolts (B1) and washers (B2) to secure the plow mount, fairlead bracket and winch to the vehicle. Torque bolts to specifications on page 3.

NOTE: You will use the supplied longer M8 hardware (B1 & B2) when using a fairlead plate/fairlead combo shown in these instructions. If your vehicle's bumper is equipped with a fairlead mounting plate, you will use the M8 hardware that came with your winch kit.

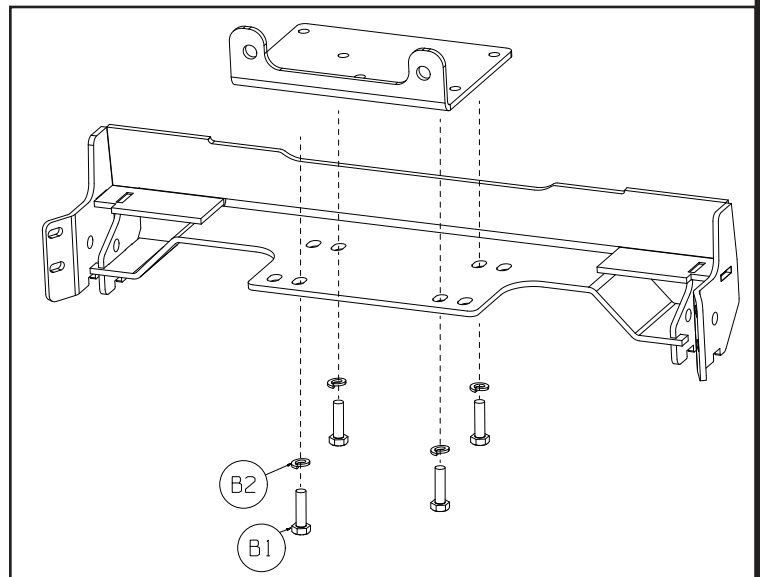


Figure 9

INSTALLATION INSTRUCTIONS

10. Reinstall the lower plastic skid plate and hardware to vehicle and bumper (review previous step 1).
11. Remove the rubber band from winch rope loop and attach the winch hook to the rope loop.

If you did not have a previously installed winch, you may now complete the winch wiring portion of your winch installation by following your winch installation instructions.

If you had a previously installed winch, reconnect the yellow and blue cables to the winch and the power leads to the battery.

12. Install termination strap (A3) to termination bracket to front of bumper.



13. Install plow flange (A2) to plow mount using included retaining pins (B3). Refer to exploded view on page 3.
14. Turn winch clutch to engage and spool in winch rope until hook sits snug at mouth of fairlead.
15. Complete your plow installation per your plow system installation instructions.
16. Tighten ALL hardware per torque specifications on page 3.



Figure 10



Figure 11

MAINTENANCE / CARE

- Inspect all metal parts on the plow, plow mount, and related hardware prior to each use. Replace all parts that appear rusted or deformed.
- Inspect all nuts and bolts on the plow, plow mount, and related hardware prior to each use. Tighten all nuts and bolts that appear to be loose. Stripped, fractured, or bent bolts or nuts must be replaced.
- Check all cables prior to use. Replace cables that are worn or frayed.
- Check all moving and rotating parts. Remove debris that may inhibit the part from moving freely.
- See Warn Plow Operators Guide for more information.

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.

