INSTALLATION INSTRUCTIONS
PLOW MOUNT KIT
Part Number: 90855
Application: 2022 Yamaha Kodiak 450

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:
  - Across any sharp edges.
  - Through or near moving parts.
  - 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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⚠ 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.

TABLE OF CONTENTS

Tools Required..... page 2
Parts List..... page 3
Torque Specifications..... page 3
Installation .....page 4-6
Maintenance/Care..... page 7

BEFORE YOU BEGIN

- **THIS INSTRUCTION IS WRITTEN AS IF YOU ALREADY HAVE A WINCH INSTALLED. IF YOU DO NOT HAVE YOUR WINCH INSTALLED, PLEASE DO SO PRIOR TO THIS INSTRUCTION.**
- **THE AXON 25 AND 35 WINCH WILL NOT FIT THIS APPLICATION.**

TOOLS REQUIRED

- Standard and Metric Wrenches
- Standard and Metric Sockets

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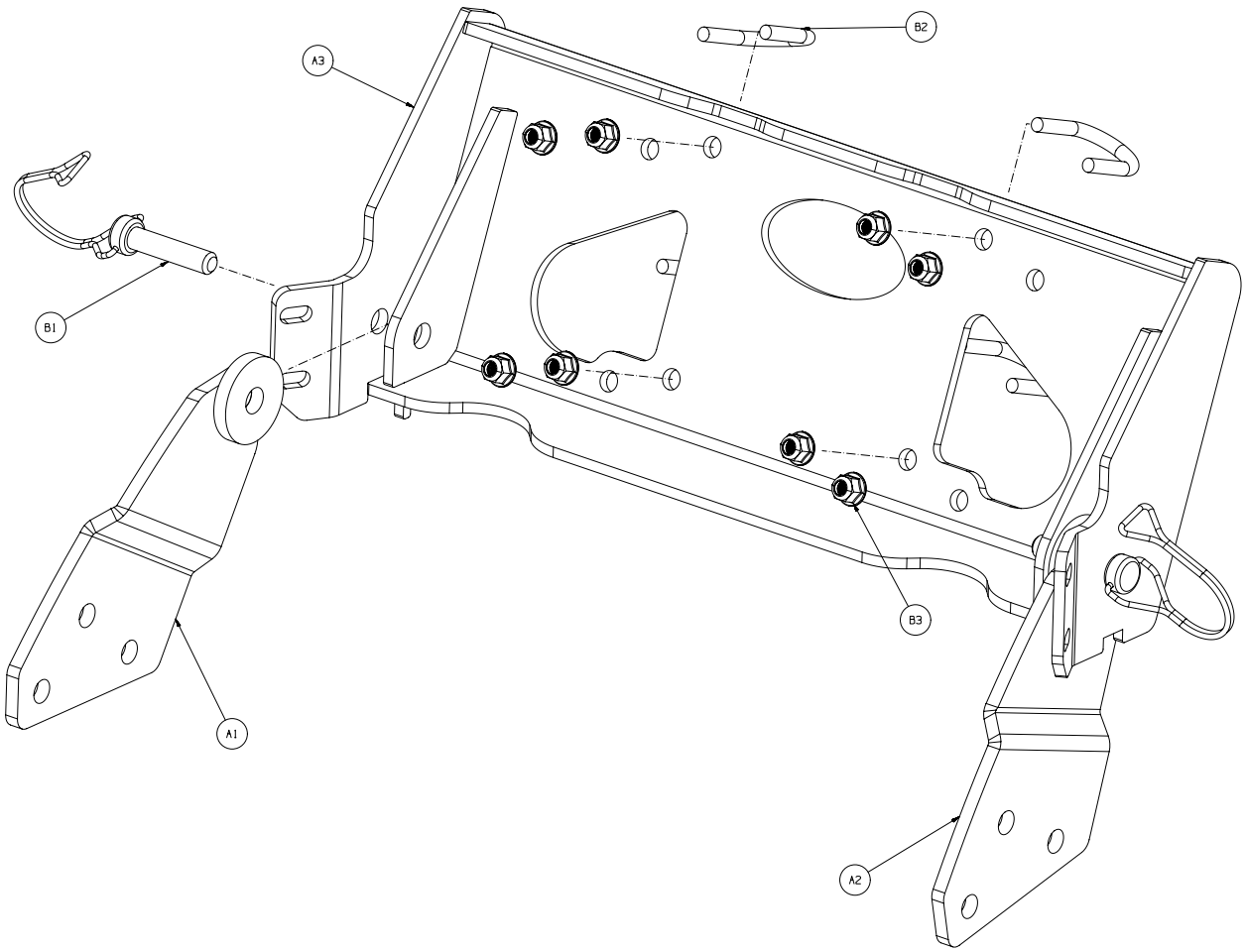
PARTS LIST

ITEM	PART NUMBER	DESCRIPTION	QTY	ITEM	PART NUMBER	DESCRIPTION	QTY
A1	99290	RT PLOW FLANGE TAB	1	B1	35136	RETAINING PIN	2
A2	99291	LT PLOW FLANGE TAB	1	B2	82929	M6 -1.0 U-BOLT	4
A3	90856	PLOW MOUNT	1	B3	91798	M6 X 1.0 FLANG NUT	8



TORQUE SPECIFICATIONS

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

FASTENER SIZE	FASTENER TORQUE		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)			

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These instructions are written as if a winch is already installed.

1. From underneath the vehicle, remove the six bolts from the front of the skid plate to allow the skid plate to hang down. Retain hardware. ***NOTE: If not working from a lift, remove all bolts and remove skid plate completely.***

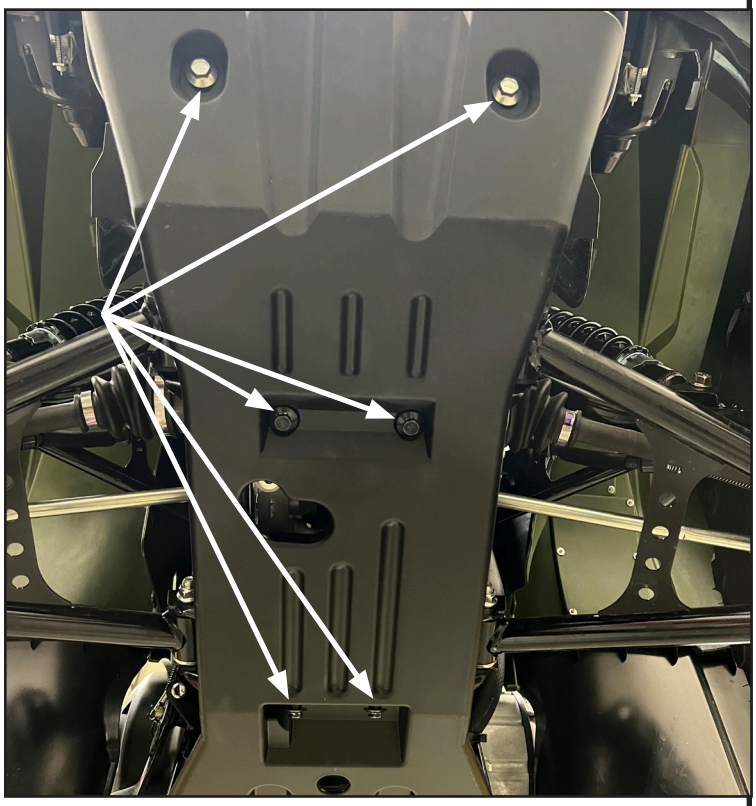

Figure 1

2. From under the radiator, remove the two bumper support bolts (each side). Retain hardware.

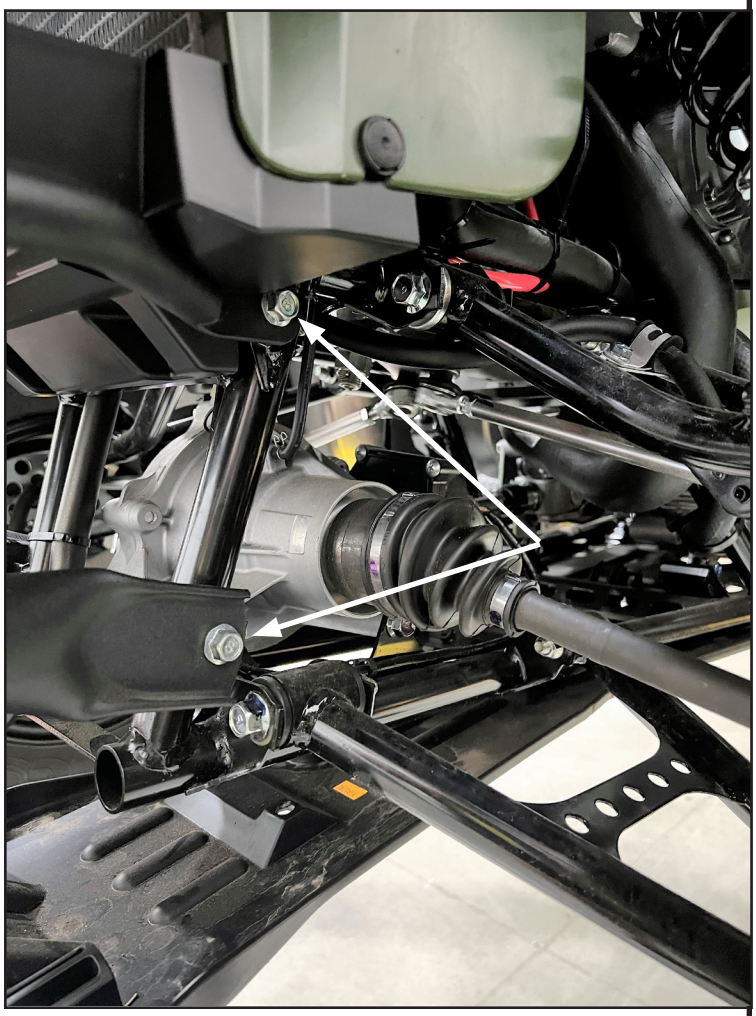

Figure 2

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3. From behind the bumper, remove the push clip (each side). Retain hardware.

Figure 3

4. From above, remove the top two front grab bar bolts. Retain hardware.

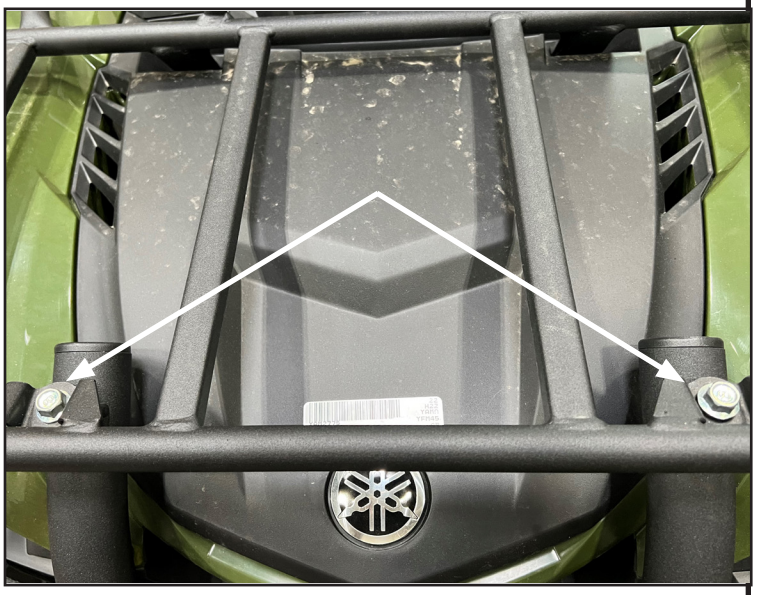

Figure 4

5. With power to battery is disconnected. Disconnect winch electrical cables from winch.

6. Remove the front bumper/winch assembly and set aside.

Figure 5

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7. Position the plow mount (A3) flush against the vehicle frame, resting on top of the vehicles horizontal tube. Figure 6.

8. Fasten the plow mount to the vehicle's vertical frame tubes with four u-bolts (B2) and eight nuts (B3). Figure 7.

9. Route winch electrical cables out through the plow mount access holes. Figure 7.

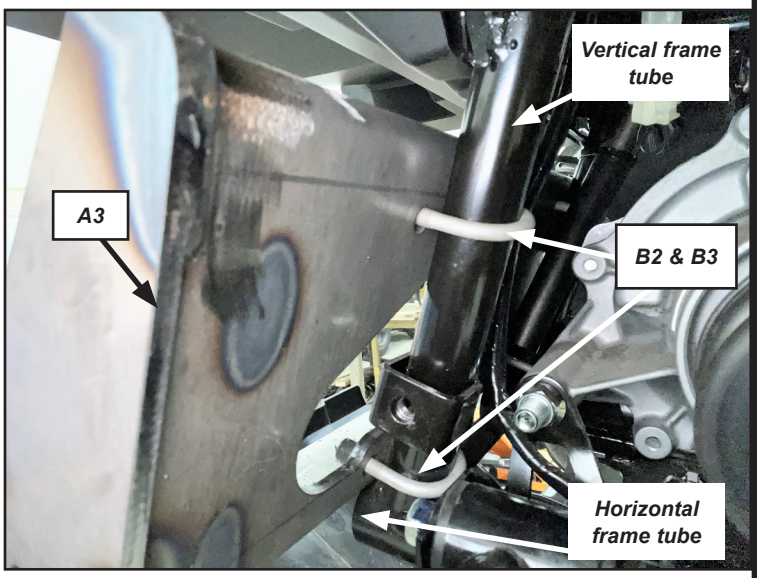

Figure 6

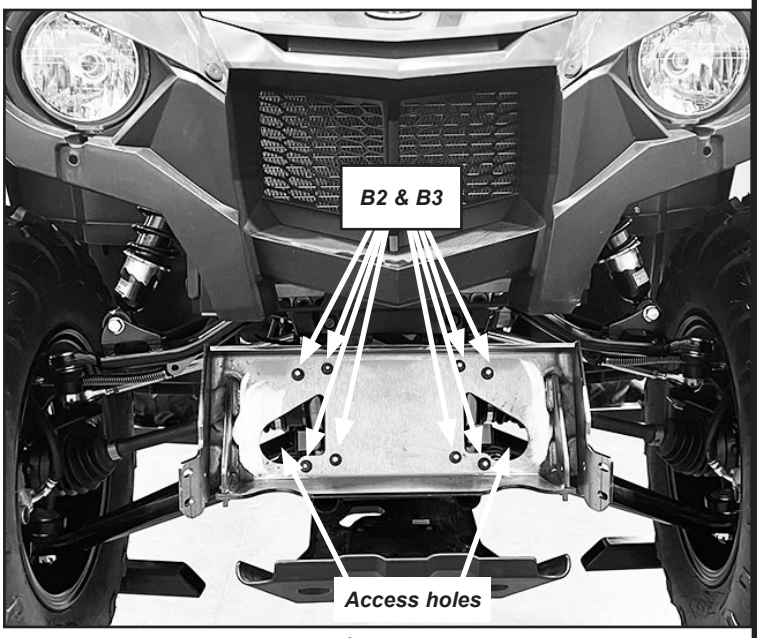

Figure 7

10. With assistance, re-install the bumper/winch assembly to vehicle.

11. Reconnect the yellow and blue cables to the winch and the power leads to the battery.

12. Install the right and left plow flange (A1 and A2) to plow mount using included retaining pins (B1). Refer to exploded view on page 3.

13. Re-install skid plate.

14. Tighten all hardware to recommended torque.

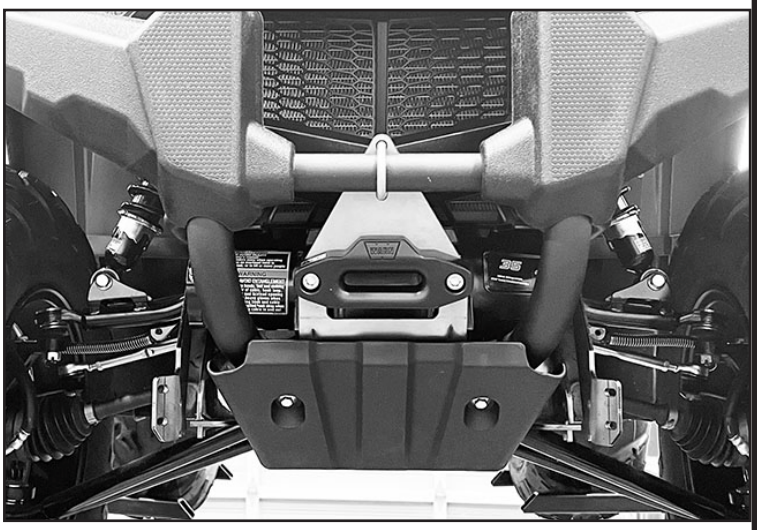

Figure 8

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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.

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