

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:

AWARNING signals a hazard that *could* cause serious injury or death, if you do not follow recommendations. ACAUTION 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.

INJURY 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.
- П Never route electrical cables:

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- 0 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.
- П 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.

A 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.			
	Never overtighten the j-bolt to the bracket. Doing so will pinch the winch cable against the bracket, damaging the cable.			
	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.				

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II. TOOLS REQUIRED

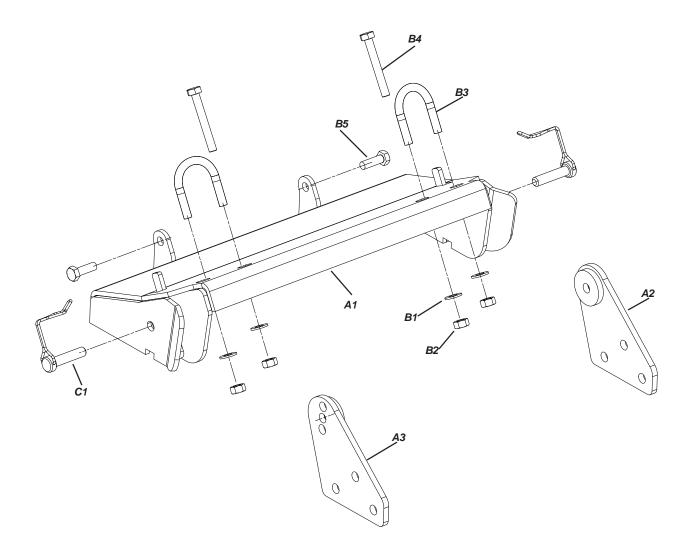
- 3/8" Ratchet and 6" Extension
- Sockets: 10, 12, and 13mm
- Phillips Screwdriver

III. TORQUE SPECIFICATIONS

1/4 (M6)	8 lb. ft. (10.8 N-m)
5/16 (M8)	17 lb. ft. (12.5 N-m)
M8 U-bolt	11 lb. ft (15 N-m)

IV. PARTS LIST

<u>Ref.</u>	<u>Part Number</u>	<u>Qty</u>	<u>Description</u>
A1	81924	1	Brkt Assy, Front Plow Mount BF650
A2	79225	1	Plow Brkt, Front Plow Mount - Left
A3	79226	1	Plow Brkt, Front Plow Mount - Right
B1	1324	4	Flat Washer 5/16
B2	22491	4	Lock Nut M8
B3	79604	2	U-Bolt M8x35mmx48mm
B4	76520	2	Bolt M8x60mm Hex
B5	22508	2	Bolt M8-1.25x25mm Hex
C1	79712	2	Retaining Pin Plow L-wire



V. INSTALLATION

Remove Front Skid Pan

- 1. Use 10mm socket to remove the M6 screws securing the front skid pan.
- 2. The skid pan will not be reinstalled.

Remove Lower Bumper Bolts

- 1. Use 12mm socket to remove the M8 bolts securing the bottom bumper bolts.
- 2. It may be necessary to loosen or remove the top bumper bolts before removing the bottom bolts.

Loosen Upper Bumper Bolts

- The plastic radiator side shields will need to be removed to gain access to the upper M8 bumper bolts. Use a Phillips screwdriver to remove the fasteners securing the plastic.
- 2. Loosen the upper bumper bolts to allow the bumper to move freely when installing lower bolts.

Install Plow Mount on Bumper

- 1. Position the plow mount against the bottom side of the front bumper. Align the mount rear tab holes with the holes in bumper tube.
- 2. Use M8-1.25 x 25mm bolts provided to secure the mount at frame. Take care to prevent cross threading the bolts.



Figure 1

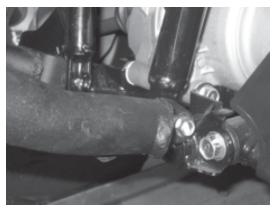


Figure 2



Figure 3



Figure 4

INSTALLATION CONT.

If no winch mount installed.

- 1. Position M8 U-Bolts over bumper tubes and insert into the plow mount.
- 2. Secure Bolts with M8 lock nuts.



- 1. Drill 8mm (5/16") hole in winch mount. Insert drill bit through front slot of plow mount to mark and drill winch mount.
- 2. Secure plow mount to winch mount.
- 3. Use the M8 x 60mm bolts supplied to secure the plow mount to the winch mount.

Install the plow mounting tabs.

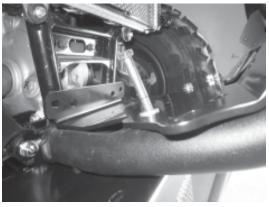
- 1. The plow mounting tabs supplied in this kit must be secure to the plow in the position shown.
- 2. Loosely install the M10 bolts from the plow kit. Attach the plow to the plow mount and then secure the plow mounting tabs. This will insure the best fit for your vehicle.



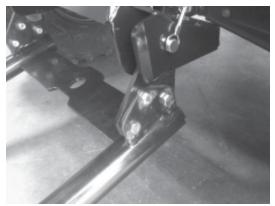
Figure 5



Figure6









VI. MAINTENANCE/CARE

- Inspect all metal parts on the plow, plow mount, and related hardware. Replace all parts that appears rusted or deformed prior to use.
- 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 need to be replaced immediately.
- 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.