



# INSTALLATION INSTRUCTIONS ATV WINCH ACCESSORY

**Winch Mount Kit:** Warn PN 65098

**Application:** Yamaha 660 Grizzly 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:**

- Read the Winch Operator Manual, the ATV Operator Manual, and all warning labels before operating or using your ATV winch.
- Always stay clear of moving parts and cables. Keep others away when operating the winch.
- Always inspect the winch mechanism, fasteners, cables, and adjustments before operating. Replace all worn or damaged parts before operating.
- Always deactivate the winch before leaving the ATV unattended.

**READ THE WINCH OPERATOR MANUAL BEFORE FREESPOOLING THE WINCH OR ATTACHING THE HOOK. BE CAREFUL WHEN CUTTING THE RUBBERBAND, THE CABLE IS PRESTRESSED AGAINST THE DRUM AND MAY UNWIND QUICKLY AND WITHOUT NOTICE POSSIBLY HARMING THE OPERATOR.**

**THE WINCH, WINCH PLATE, AND FAIRLEAD ASSEMBLY IS HEAVY. USE PROPER LIFTING TECHNIQUE WHEN LIFTING THE ASSEMBLY. KEEP TOES AND OTHER EXTREMITIES FROM BEING UNDERNEATH THE ASSEMBLY IN CASE THE ASSEMBLY IS ACCIDENTLY DROPPED. USE ANOTHER PERSONS ASSISTANCE IF NEEDED.**

**FAILURE TO SECURELY TIGHTEN ALL BOLTS ON THE WINCH PLATE, WINCH, AND FAIRLEAD CAN RESULT IN PRODUCT FAILURE WHICH MAY RESULT IN VEHICLE DAMAGE AND OPERATOR INJURY OR DEATH. DOUBLE CHECK THAT ALL BOLTS ARE SECURELY TIGHTENED PRIOR TO USE.**

**PERFORM REGULAR INSPECTIONS ON THE WINCH, WINCH MOUNT, AND RELATED HARDWARE. NEVER OPERATE THE WINCH WITH DAMAGED OR MISSING PARTS. FAILURE TO FOLLOW THIS WARNING MAY CAUSE VEHICLE DAMAGE AND OPERATOR INJURY OR DEATH.**

## I. PARTS LIST

<u>Part Number</u>	<u>Description</u>	<u>Qty</u>
65097	Winch Plate	1
1321	1/4" Lock Washer	4
1322	1/4-20 Hex Nut	4
1827	3/8-16 X 1 Bolt	4
2195	3/8 Flat Washer	10
6779	3/8-16 Hex Lock Nut	4
21445	1/4-20 U-Bolt	2

## II. INSTALLATION

1. Remove the four fasteners attaching the plastic skid pan and remove the skid pan , **Figure 1**.

2. Place mounting plate into location and rotate plate as seen in **Figure 2**. Slide winch through front of ATV onto mounting plate, motor on the right side of the ATV. Rotate mounting plate and winch into location as seen in **Figure 3**.

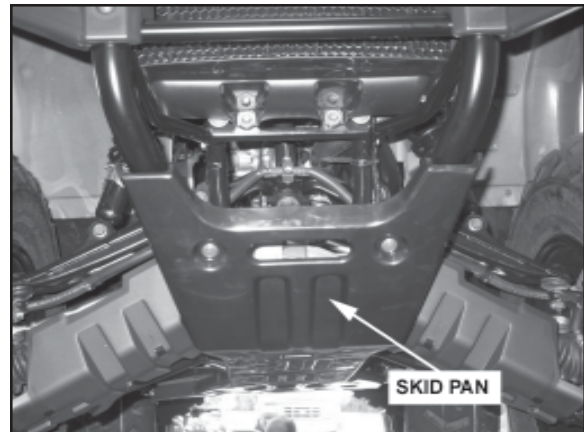


Figure 1



Figure 2

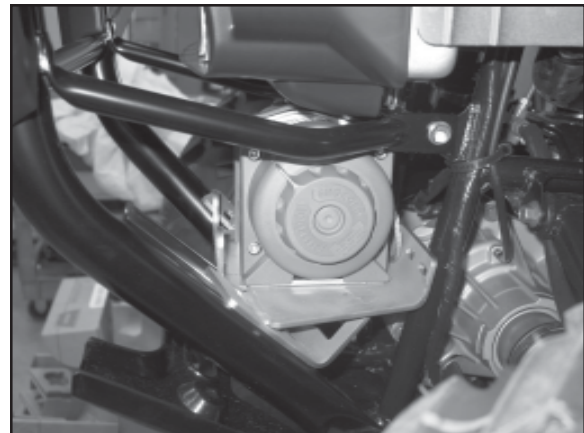


Figure 3

3. Place four 3/8-16 bolts, PN 1827, into the lower mounting holes on the winch mounting plate, from the top down.

*Note: It will be necessary to use four spacer washers, PN 2195, between the winch mount and the grab bar tabs. The washers will prevent excessive grab bar tubing damage and mounting tab movement. Extra spacers are included in the kit if needed.*

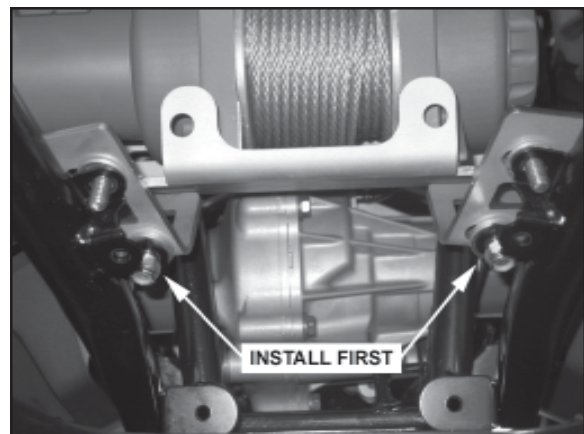


Figure 4

## II. INSTALLATION CONTINUED

**4. IMPORTANT!** Use two 3/8-16 lock nuts, PN 6779, and attach the two rear/lower mounting bolts first, **Figure 5**. *This is important to properly seat the mount into the correct mounting position.*

Tighten rear fastener at this time: 30 ft lbs (41 N m)

**5.** Using the remaining two 3/8-16 lock nuts, PN 6779, attach the two front/upper mounting bolts, **Figure 6**.

Tighten: 30 ft lbs (41 N m)

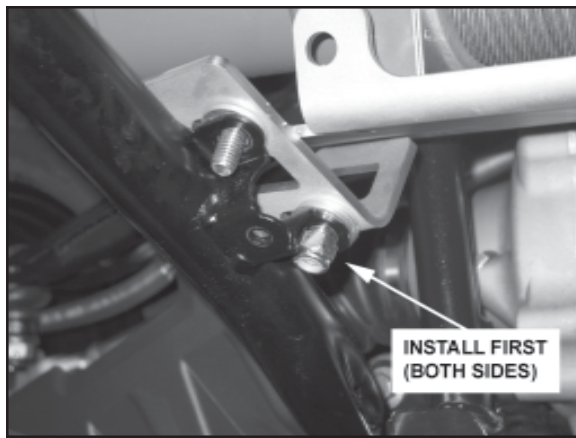


Figure 5

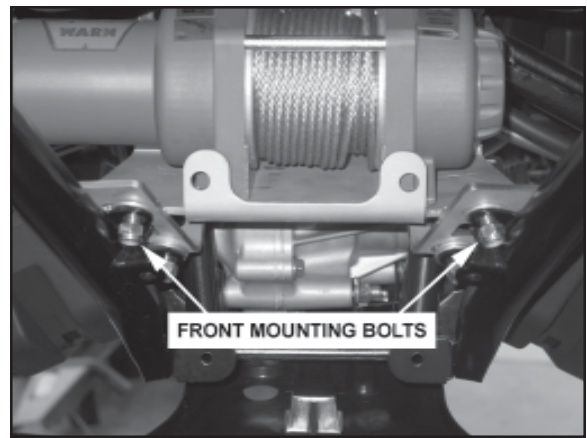


Figure 6

**6.** Attach the rear of the mounting plate to the ATV frame using two 1/4-20 U-bolts, PN 21445, four 1/4-20 nuts, PN 1322, and four 1/4-20 lock washers, PN 1321. Place the U-bolts around the ATV frame and into the mounting plate, **Figure 6**.

Tighten: 8 ft lbs (10 N m)

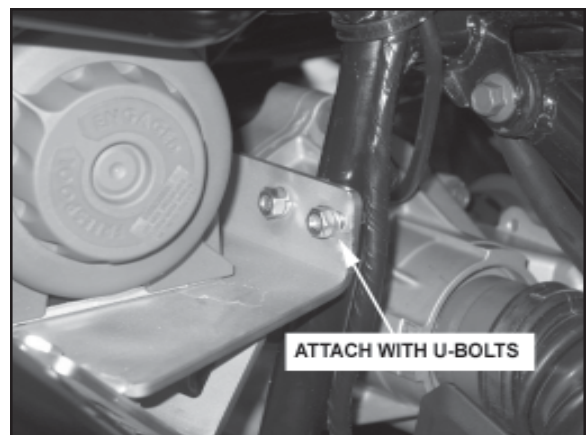


Figure 7

### **⚠ WARNING**

**FAILURE TO SECURELY TIGHTEN ALL BOLTS ON THE WINCH PLATE, WINCH, AND FAIRLEAD CAN RESULT IN PRODUCT FAILURE WHICH MAY RESULT IN VEHICLE DAMAGE AND OPERATOR INJURY OR DEATH. DOUBLE CHECK THAT ALL BOLTS ARE SECURELY TIGHTENED PRIOR TO USE.**

## II. INSTALLATION CONTINUED

7. Fasten the winch onto the mounting plate with the four 5/16-18 X 1 cap screws and lock washers provided with the winch, **Figure 8**.

Tighten: 17 ft lbs (23 N m)

8. Attach the Hawse Fairlead or optional Roller Fairlead onto the mounting bracket and tighten.

9. Reinstall the plastic skid pan.

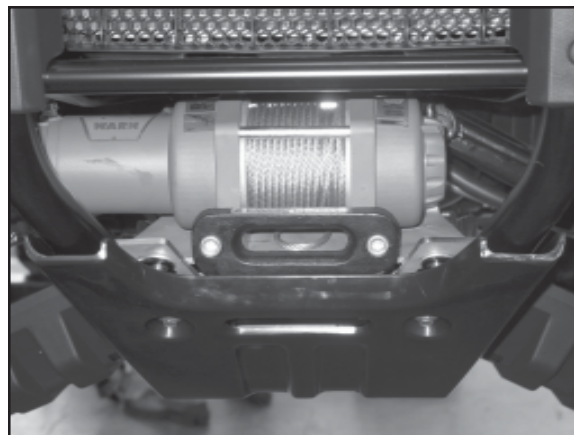


Figure 8

### **⚠ WARNING**

**READ THE VEHICLE'S OPERATOR MANUAL, WINCH OPERATOR MANUAL, AND ALL WARNING LABELS PRIOR TO OPERATION OF ATV AND WINCH.**

### **⚠ WARNING**

**PERFORM REGULAR INSPECTIONS ON THE WINCH, WINCH MOUNT, AND RELATED HARDWARE. NEVER OPERATE THE WINCH WITH DAMAGED OR MISSING PARTS. FAILURE TO FOLLOW THIS WARNING MAY CAUSE VEHICLE DAMAGE AND OPERATOR INJURY OR DEATH.**

## IV. MAINTENANCE/CARE

1. Inspect all parts on the winch, winch mount, and related hardware prior to each use. Replace all hardware that appears rusted or deformed.
2. Inspect all nuts and bolts on the winch, winch mount, and related hardware prior to each use. Tighten all nuts that appear to be loose. Stripped, fractured, or bent bolts or nuts need to be replaced.
3. Check all cables prior to use. Replace cables that look worn or frayed.
4. Check all moving or rotating parts. Remove debris that may inhibit the part from moving freely.