INSTALLATION INSTRUCTIONS
ATV WINCH ACCESSORY

Winch Mount Kit: WARN PN 60174
Application: HONDA 450 ES AND S, 400 FOREMAN
(Will fit 3.0ci)

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

Part Number	*Description*	*Qty*
60177	Winch Mounting Plate	1
32629	Fairlead Mounting strap	1
1322	1/4-20 Hex Nut	16
1321	1/4 Lock washer	16
65099	1/4-20 x 1 1/8 U-bolt	4
21446	1/4-20 x 1 U-bolt	4

II. INSTALLATION

1. Unplug wiring harness for the front lights that runs along the frame tube see **Figure 1**. This wiring needs to be routed to the other side of the support tube. When the mounting plate is placed into position make sure that the plate does not pinch the wiring harness.

2. The winch must be attached to the mounting plate before it is placed into position. Use the 4, 5/16-18 x 1 hex head cap screws and lock washers that came with the winch. NOTE: Motor wires no.1 and no.2 should be attached to the winch before it is placed into position see figures 4 and 5. Do not forget to put the motor terminal boots onto the wires when installing the wires onto the motor.

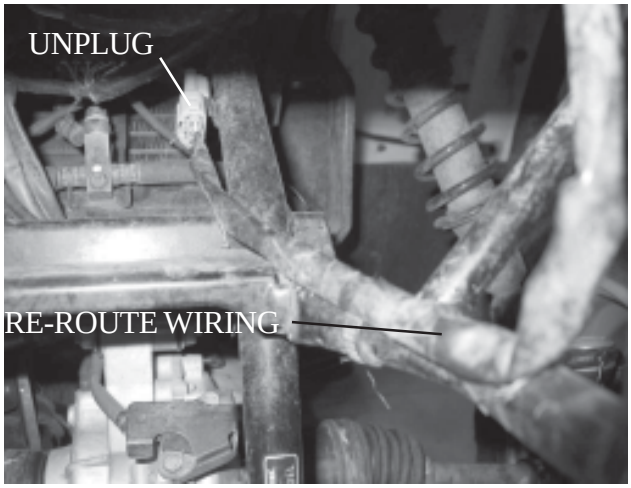


Figure 1



Figure 2

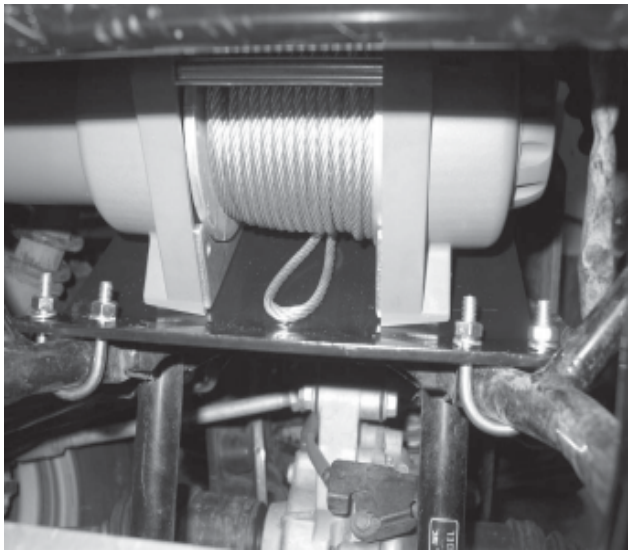


Figure 3

II. INSTALLATION CONTINUED

3. Place winch and mounting plate into position on the frame tubes see figures 2 thru 5. Attach mounting plate with 4, 1/4-20 x 1 u-bolts hex nuts and lock washers. ***NOTICE*** **: NEVER overtighten u-bolt nuts. Overtightening may cause damage to vehicle frame.**

4. Attach the roller or cast hawse fairlead to the fairlead strap supplied in the mounting kit, the fasteners needed will be found in the winch hardware package, see figures 6 and 7. Note: if you are using a cast hawse fairlead that came with the winch it may be necessary to remove it from the fairlead plate that came with the winch, reuse the fasteners that where used, to attach it to the fairlead strap.

5. Attach the fairlead strap with the roller or cast hawse fairlead attached to the front frame tubes see figures 6 and 7. Attach using 4, 1/4-20 x 1 1/8 U-bolts, hex nuts, and lock washers. ***NOTICE*** **: NEVER overtighten u-bolt nuts. Overtightening may cause damage to vehicle frame.**

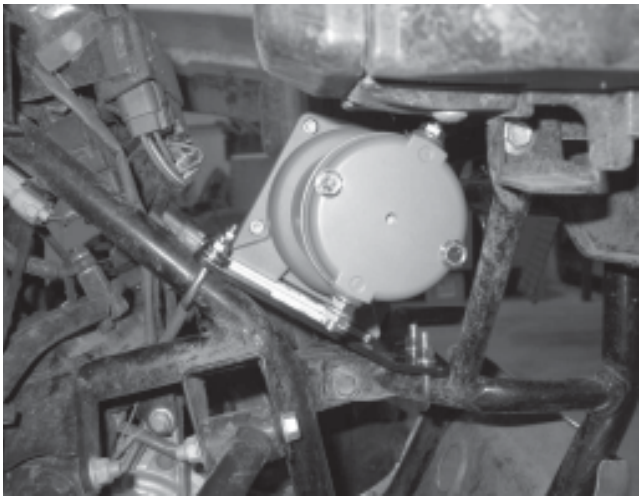


Figure 4



Figure 5

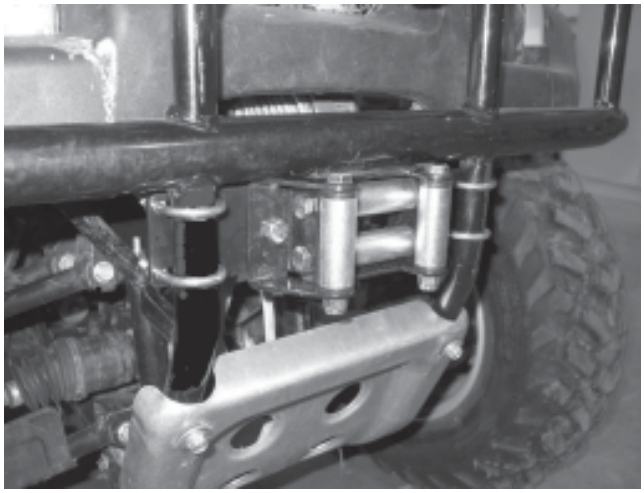


Figure 6

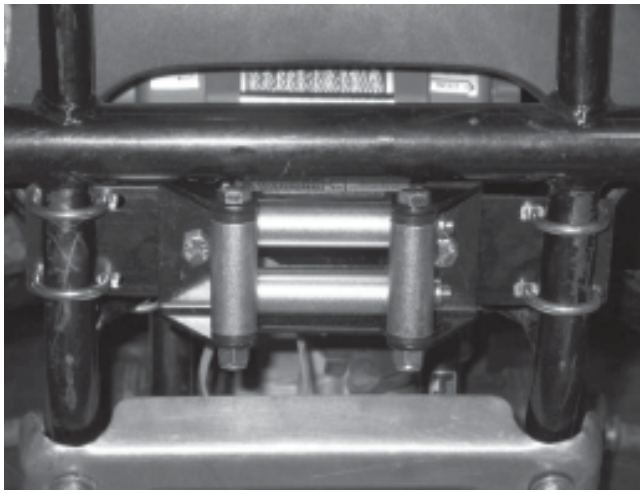


Figure 7