



INSTALLATION INSTRUCTIONS

Kymco 375 Plow Mounting Kit

WARN Part Number: 84804

Application: Kymco 375 2009-2010

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

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.
- Always use extreme caution when cutting and trimming during fitting.
- Always remove jewelry and wear eye protection.
- 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.
- Never raise the top of the plow above the headlights of the ATV, as it may damage the vehicle and plow.

⚠ 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.

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I. Tools Required

- Ratchet
- Sockets: 10mm, 12mm, 13mm, 14mm, 6mm, 17mm
- Wrenches: 10mm, 13mm, 14mm, 16mm, 17mm
- Torque Wrench
- 3/16 Hex Key
- Phillips Screw Driver
- 1/4-20 UNC Tap

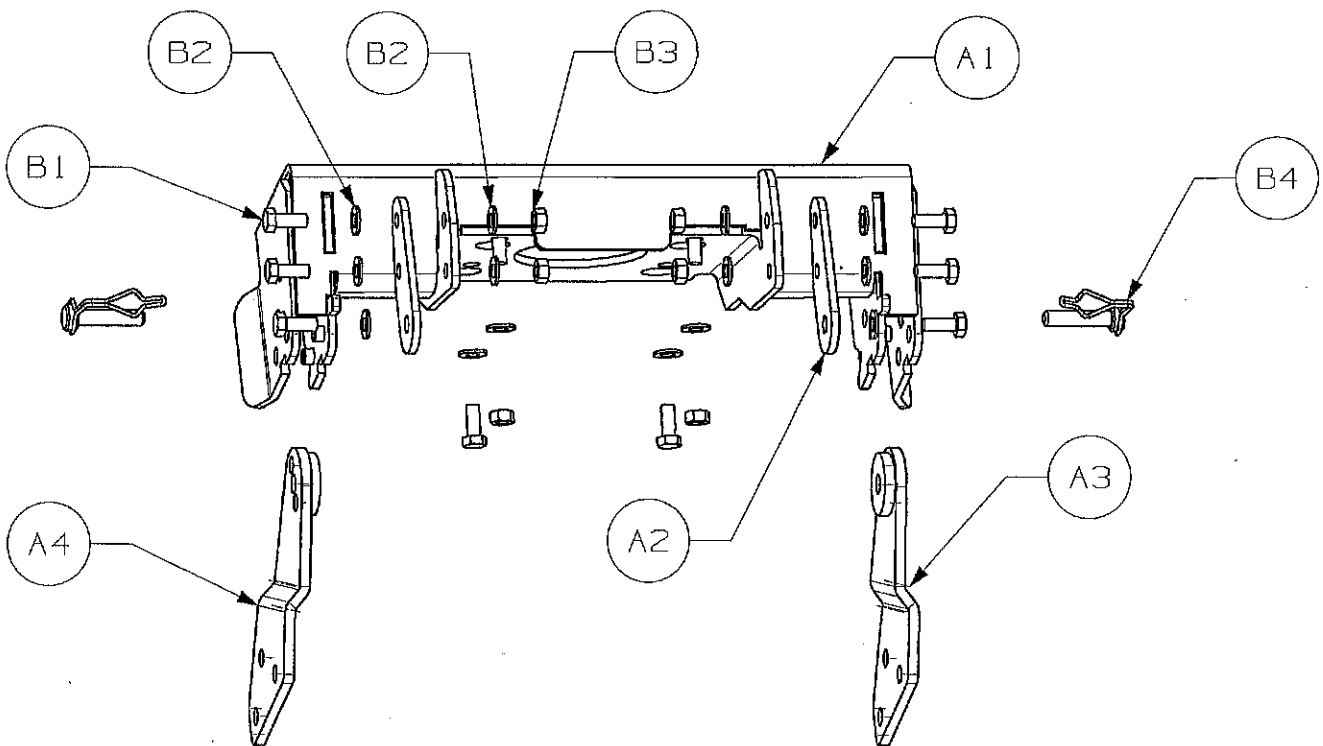
II. Torque Specifications

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

1/4" diameter bolt and nuts:	5 ft-lbs (7.7 N-m)
8mm diameter bolt and nuts:	12 ft-lbs (16.5 N-m)
10mm diameter bolts and nuts	30 ft.lbs (40.7 N-m)
12mm diameter bolts an nuts	55 ft-lbs (74.6 N-m)

III. Parts List

<u>Reference</u>	<u>Part Number</u>	<u>Qty</u>	<u>Description</u>
A1	84807	1	Plow Mount
A2	84818	2	Rear Mounting Plate
A3	79340	1	Right Flange
A4	79341	1	Left Flange
B1	81813	10	M8 Bolt
B2	1324	18	Flat Washer
B3	22491	8	M8 Lock nut
B4	79712	2	PIN
B5	84154	6	1/4-20 Socket Head Screw



IV. Installation

Plow Mount Installation

1. Remove plastic bumper cover from the vehicle.
2. Remove winch if applicable.
3. Remove bumper. See figure 1.

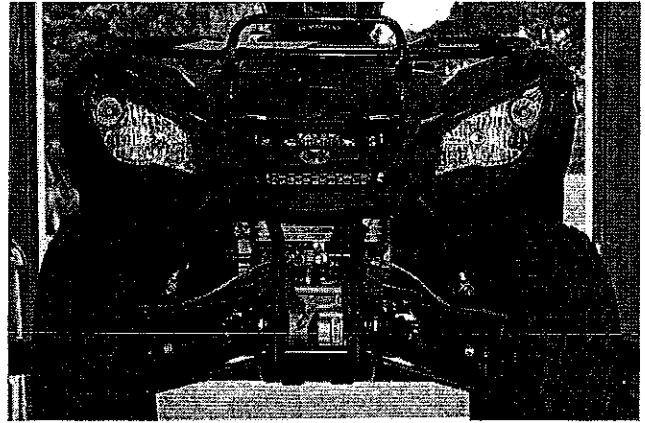


Figure 1

4. Use tap to clean threads in plow mount of any paint build up. Install fasteners (B5) in plow mount. See figure 2.

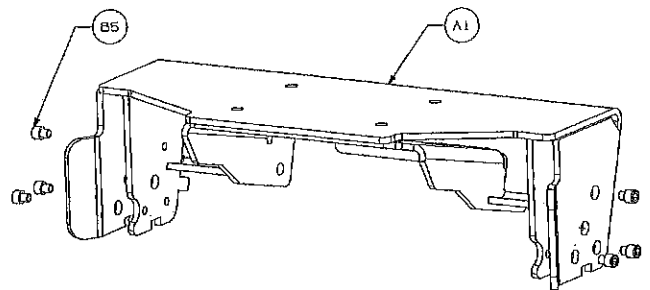


Figure 2

5. Bolt winch to plow mount (A1) as shown in figure 3. Refer to winch installation manual.

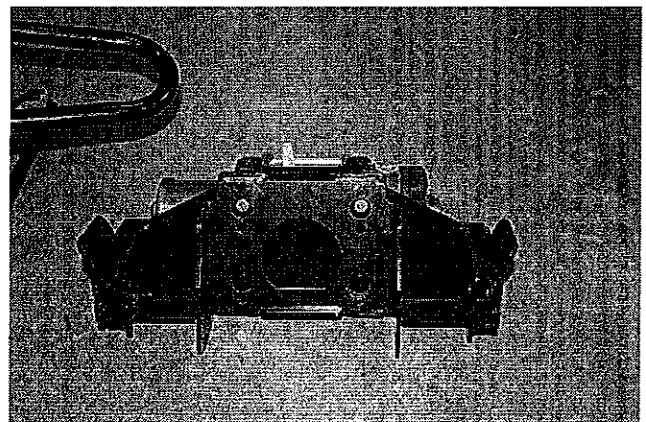


Figure 3

Installation (*continued*)

6. Position plow mount to bumper as shown in fig 4. Bolt plow mount to bumper using two front fastener locations.

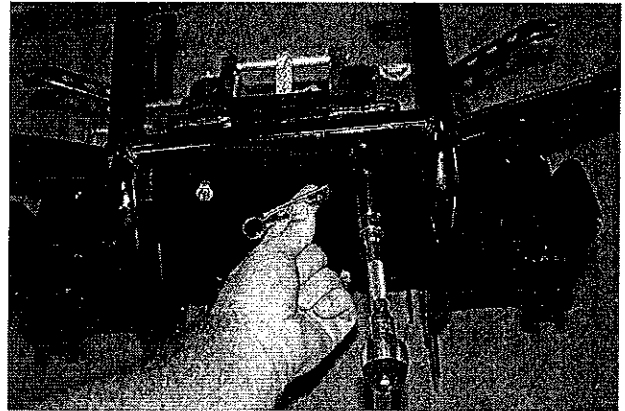


Figure 4

7. Place bumper on vehicle. See figure 5.

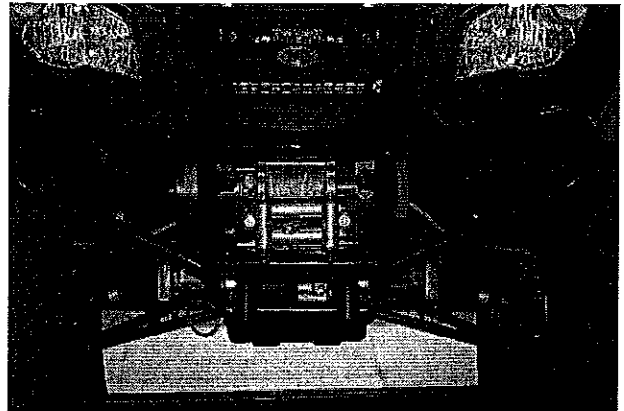


Figure 5

8. Bolt plow mount to vehicle frame using two rear fastener locations. See figure 6.

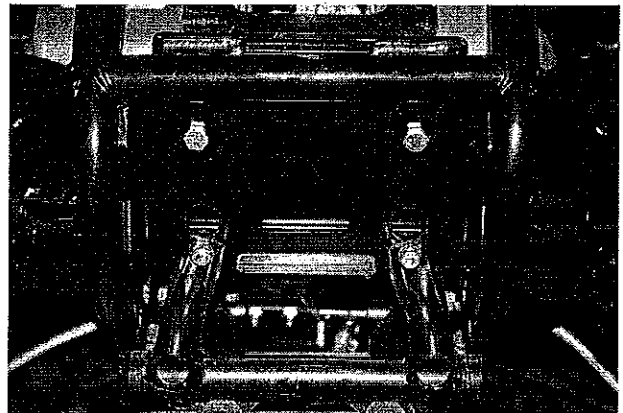


Figure 6

Installation (*continued*)

9. Install rear mounting plates (A2) to plow mount. Bolt to frame using fasteners (B1, B2). See figure 7.
10. Complete bolting bumper to vehicle. Install fasteners removed in step 1.



Figure 7

11. Install winch fairlead and winch hook as described in winch installation guide. See figure 8.

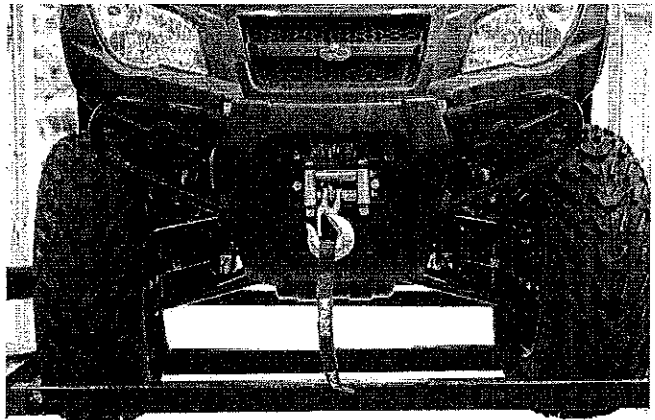


Figure 8

Plow Push Tube Installation.

12. Install flanges (A3, A4) on the push tube assembly in the orientation shown in Figure 9. Do not tighten at this time.

Note: Fasteners for flanges are included in plow push tube kit.

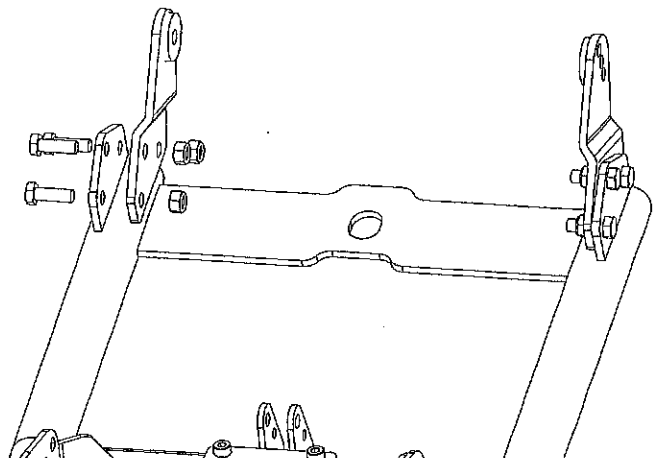


Figure 9

13. Insert the push tube assembly into plow mount. Insert the pins (B4). With the pins inserted, tighten the flange fasteners. See Figure 10.

V. Operation

Attaching the plow to the vehicle

14. Stage the plow assembly on level solid ground. See Plow operator guide "Installing the Plow" for more information.

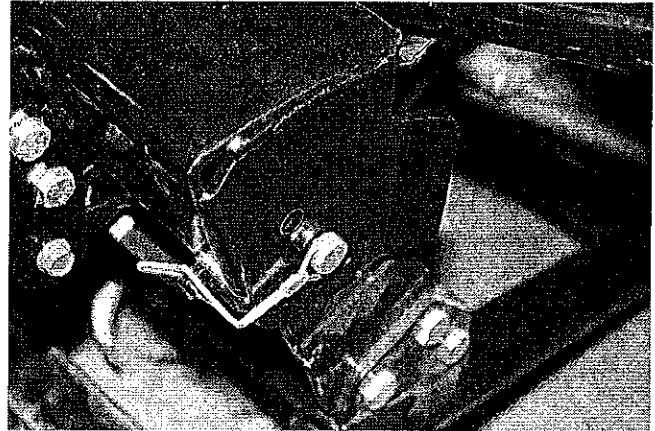


Figure 10

15. SLOWLY drive the vehicle up to the plow assembly with the vehicle as square to the plow as possible.

16. Turn off the vehicle and set the parking brake. Lift the plow mount flange end of the push tube assembly up to the plow mount on the vehicle. Insert the plow mount flange into the plow mount.

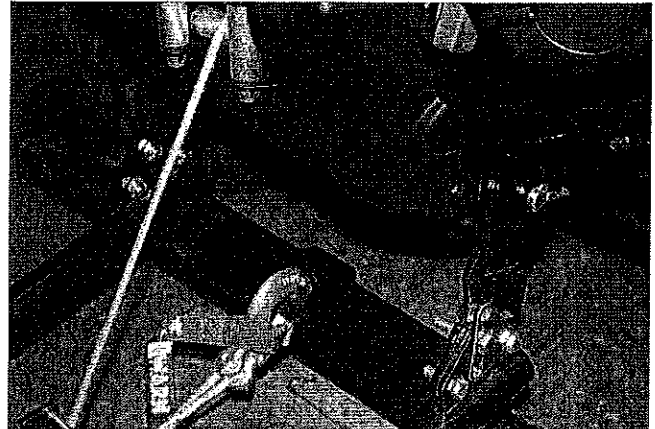


Figure 11

17. Double check that the plow is fully engaged with the plow mount.
18. With both alignment pucks seated into the plow mount the retaining pins can be inserted. Once inserted the retaining clips on the pins can be clipped onto locking tab on plow mount. See Plow operator guide "Installing the Plow" for more information. See figure 10.

19. Attach the winch line to the push tube assembly through the rope guide as described in the Plow operators guide. Figure 11.

20. Turn the ignition switch to ON, and operate the winch to lift and lower the plow. The plow is now ready for operation. Read the Plow Operators Guide before operating plow.

VI. Tips/Troubleshooting

- Avoid engaging or removing the plow from the vehicle on uneven, sloped, or soft ground. Doing so may misalign the plow mount and make it difficult for proper engagement and disengagement of the retaining pins
- If you are having trouble getting an alignment puck into the plow mount, it may need some simple adjustment. Ensure that the plow and vehicle are sitting level. Ensure that the plow base is in the center latched position
- After using the plow, the winch cable may begin to tangle around the drum. To fix this, pull off the plow assembly and free spool the cable out of the winch. Once the tangled cable is pulled off the drum, switch the winch out of free spool and winch the cable neatly back around the drum. Do NOT grab the cable or winch hook, instead use the winch hook strap provided with your winch and follow the guidelines as described in the winching guide.

VII. 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.

⚠ WARNING

Failure to perform regular inspections and maintenance on the plow, plow mount, winch, and related hardware may result in vehicle damage and operator injury or death.

If you are having problems with your plow, please follow the steps below:

1. Reference the installation instructions for tips or notes.
2. Contact the dealer where you purchased the kit.
3. Call an authorized WARN Service Center from the warranty sheet included in the kit. Please have the following information available before calling; part number (listed on front of instructions), date of purchase, and make, model, and model year of ATV.
4. Contact WARN customer service at 1-800-543-9276 or www.warn.com. Again, please have the following information available before calling; part number (listed on front of instructions), date of purchase, and make, model, and model year of ATV.

The following replacement parts are available for purchase:

<u>Part #</u>	<u>Description</u>	<u>Notes</u>
80603	Quick Release Pin kit	2x 79712

Contact your nearest WARN Dealer to order. To find a dealer nearest you, please call the WARN Dealer locator line at 1 800-910-1122