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ATLAS MICRO™

Hydraulic Jack Plate

Installation Instructions

Model: AHJM-4

1. If no outboard engine is mounted to transom skip to step 6
2. If outboard is mounted to transom, consult your dealer or motor manual for proper lifting device for your engine.
3. Attach lifting device to outboard according to engine manual.
4. Remove mounting nuts and swing motor away from boat. Use caution not to damage wires or cables.
5. Most cables and wires are of sufficient length to allow Jack Plate installation without disconnecting but some may require this step.
6. Mount Atlas Micro™ plate onto the transom using the four mounting bolts that came with the engine.
7. It is recommended when possible to insert bolts from inside the Atlas Micro™ plate through the transom and use a flat washer and lock washer before the nut.
   If nuts are pulling into the transom use our TSP-1 Transom Support Plate.
8. Select the proper mounting hole on your engine according to your situation and mount to Atlas Micro™ using four ½"-13 x 3" stainless steel bolts, flat washers, and lock washers. You may use a jack plate bolt kit such as our BK-1.
9. Select a location for your up-down switch. Drill a ½" hole and mount switch.
10. Locate three wires on the wiring harness. Attach the blue "UP" wire to the top post on the switch, the green "DOWN" wire to the bottom post and the purple "12V" hot wire to the center post.
11. Connect the black and white wires coming from the actuator to the green and blue wires of the wire harness with the attached Packard connectors.
12. Route the wires from the Atlas Micro™ motor so that they will not be damaged during the up & down operation of the jack plate.
    CAUTION: Select a dry location for the relays and securely mount there.
13. Locate the red ring terminal marked "POS" and connect to the positive (+) post of your battery. Locate the black "NEG" ring terminal and connect to the negative (-) post of the battery. Locate Purple wire with the in-line fuse and connect to any hot source.

MAINTENANCE INSTRUCTIONS

SERVICING

The Atlas Micro™ is equipped with a high speed hydraulic actuator that is factory tested and comes filled with the proper level of fluid. However, if it becomes necessary to add fluid use ISO100 hydraulic fluid or SAE 20/30 non detergent oil. Follow these steps for servicing the reservoir. (See Fig. 1)

1. Raise the Atlas Micro™ all the way up.
2. Remove the 1/8" "Filler" plug using a 3/16" hex (allen) wrench.
3. Remove the 1/8" "Level" plug with the same wrench
4. Pour fluid into the "Filler" hole until it runs out of the "Level" hole.
5. Run the Atlas Micro™ all the way down then all the way up again.
6. Top off with fluid, replace the "Level" plug and the "Filler" plug.

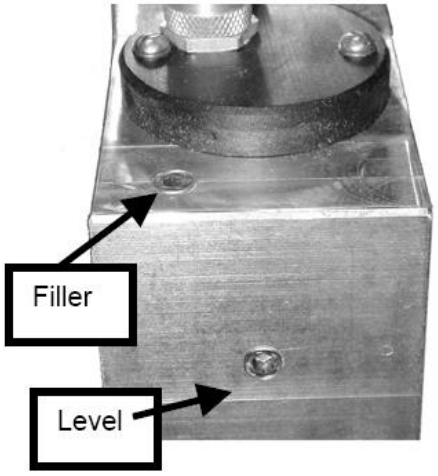

Fig. 1

Emergency Relief Valve

In the event the pump fails to allow the Hydro-Jacker™ to be lowered you may release the pressure from the actuator and lower the engine.

CAUTION: RELEIVING THIS PRESSURE WILL CAUSE ENGINE TO FALL RAPIDLY. SUPPORT ENGINE WITH A FLOOR JACK OR HOIST BEFORE RELEASING VALVE. THEN LOWER ENGINE WITH JACK TO BOTTOM POSITION.
(See Fig. 2)
1. Locate relief valve on bottom of actuator pump (1/4" hex screw).
2. Slowly turn the screw counter clockwise ½ to 1 full turn.

Fig. 2

Hydraulic Actuator Removal

(See Fig. 3)

1. Lock the four ¾" side roller bolts down to 60 ft/lbs.
2. Tap the bottom locking pin out using a hammer and ½" dia. driver bar. (See Fig. 3)
3. Remove the top pin by removing the ½" lock nut and sliding out the 9" stainless bolt. (See Fig. 4)
4. Pull the actuator upward to remove the ram from the bottom bracket.
5. **Caution:** After replacing actuator be sure to loosen four side bolts until the washers can be rotated by hand.

Fig. 3

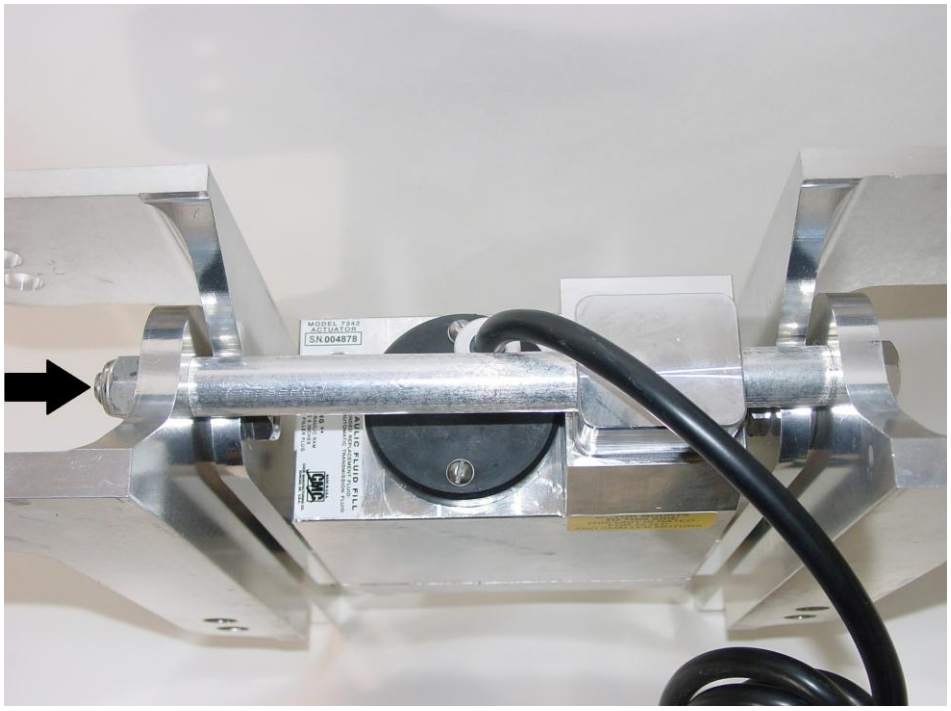

Fig. 4

Atlas™ Micro Jacker Dimensions
Transom Side View