

Drive Motor Replacement

Tools Needed:

- **Standard Phillips Screwdriver**

IMPORTANT: The following steps are to be performed on the HydroMassage Bed after the 220 volt power cable is unplugged from the wall outlet and the PC turned off

Step 1: Unplug the 220 volt power cord from the wall outlet and turn the PC off before starting to work on the bed



Step 2: Unsnap and peel back Cover Sheet and Comfort Pad from the edge of the bed.

Remove the right side and foot end panels by unscrewing the thumb screws at the corners of the bed.



DRIVE MOTOR REPLACEMENT **Manufacture Date Before 2012**

INSTALL NEW DRIVE MOTOR

1. Position the new drive motor assembly on the two shock mounts
2. The ribbon cable goes through a round hole in the side of the metal control box, fold the cable 90 degrees near the connector and work it in through the hole then install the grommet.
3. Plug the ribbon cable into the main circuit board or the gray extension cable if used (confirm the connection at both ends). Note the cable can only plug in one way.
4. Identify the silver drive motor shaft (B) protruding from the metal bracket and locate the flat spot.
5. Rotate drive shaft (D) by hand to align one lock (E) screw with the motor shaft flat spot (B).
6. Insert the motor shaft into the drive shaft so the flat spot is no longer visible and there is a space (C) about the thickness of a credit card or no more than a 1/16 inch between the drive shaft and the drive motor bracket, then tighten lock screw onto motor shaft flat spot.
7. Run the bed while watching the rotation of the drive shaft screws. The shaft should rotate smoothly without hesitation. Watch specifically when motor changes direction.

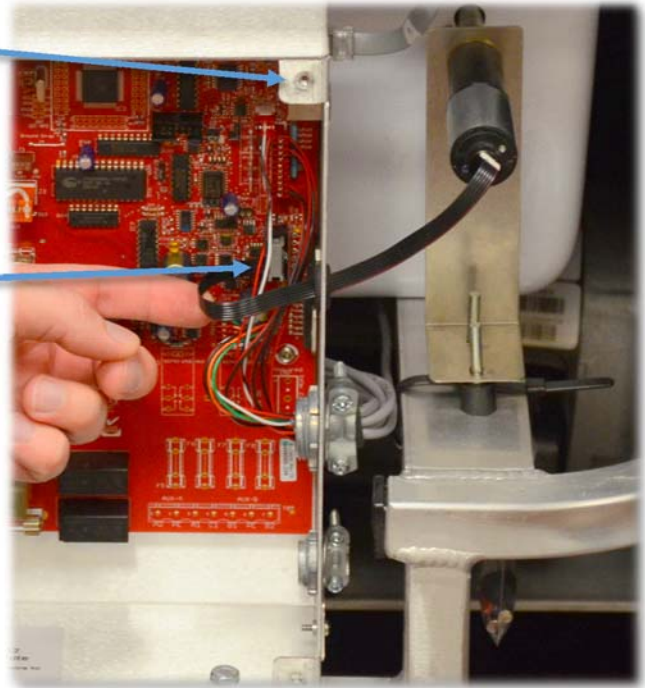
PHOTO	COMPONENTS	MODELS
	<p>PHOTO 1</p> <p>A. Drive Motor</p> <p>B. Motor Shaft w/ Flat Spot</p> <p>C. 1/16 Inch Space</p> <p>D. Drive Shaft</p> <p>E. Lock Screws</p>	<p>100, 110, 150</p> <p>and</p> <p>200, 220, 250</p>

DRIVE MOTOR REPLACEMENT **Manufacture Date After 2012**

Step 3: Remove control box cover by removing four screws.

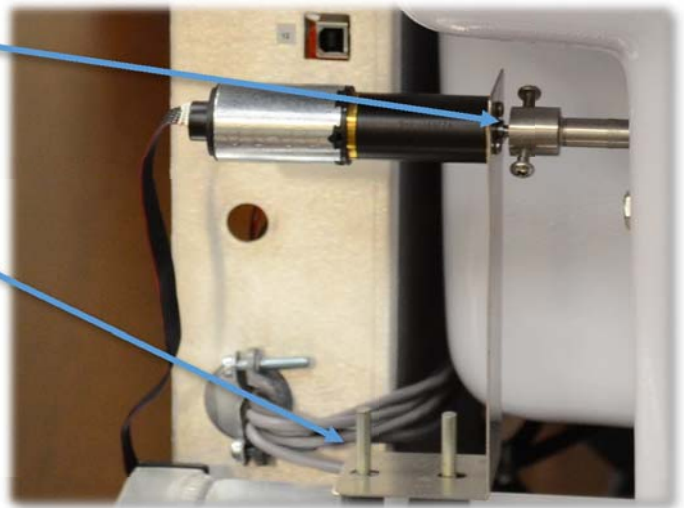
Locate the flat black ribbon cable coming from the drive motor. Trace it to the circuit board and unplug it.

Pull black cable through the control box.



Step 4: Remove two drive shaft lock screws that hold the drive motor to the drive shaft.

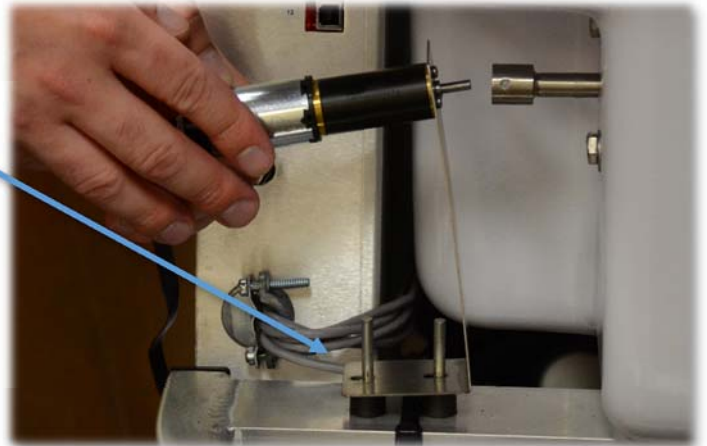
Pull the drive motor out of the shaft, then lift drive motor assembly off of the two shock mounts. Set aside.



Step 5: Place the new drive motor assembly on the two shock mounts.

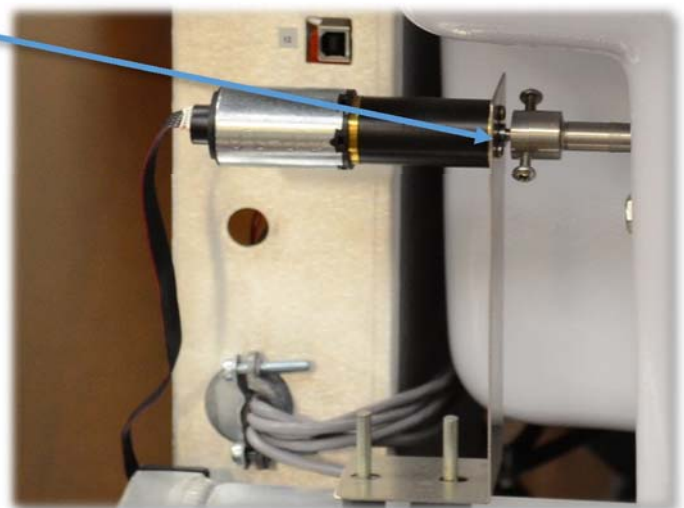
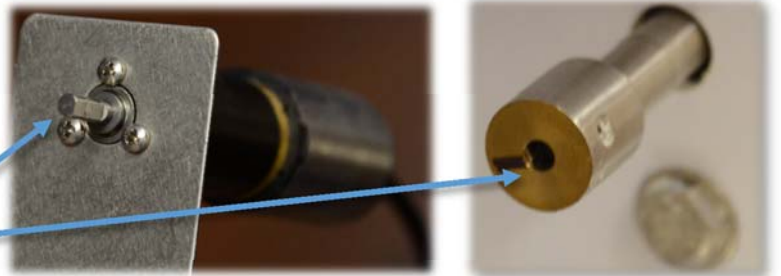
Fold black cable 90° and fit through side hole in the control box.

Plug black cable into the mainboard so that the cable goes towards the middle of the board.



Step 6: Locate flat side of drive motor shaft, align with mark on coupling.

Insert drive motor shaft into coupling and tighten with provided set screws.



Step 7: Plug in the 220 volt power back into the outlet.

Note: Make sure that the bed fully initializes at the touch screen.



Step 8: Install the cover panel back onto the control box.



Step 9: Install the right side and foot panels with the 6 thumb screws.

Then snap the comfort bad and

