



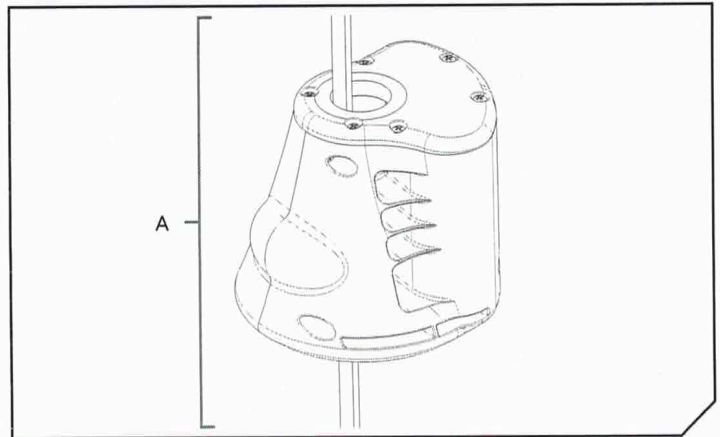
Ulterra Trim Housing Installation

2887807 FW 45"

Item / Assembly	Part #	Description	Qty.
A	▼	TRIM HOUSING ASSY, W/BELT	1

▼ No individual part number; reference kit number for ordering

NOTE: Trim Housing includes belt cut to length. Trim Housing may be programmed for communication in the US, Canada, and Australia, or for Europe and other markets. US/AUS/CAN trim housings will not communicate with Euro Control Boards or Vice Versa



TOOLS AND RESOURCES REQUIRED

- #2 Phillips Screwdriver
- 5/32" Allen Wrench



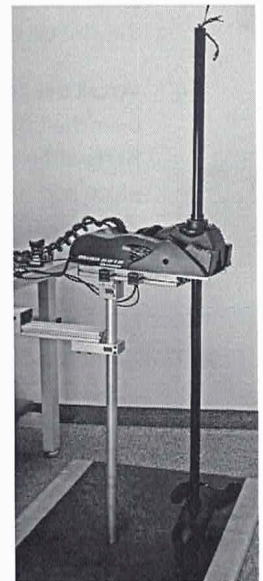
CAUTION

Always wear safety glasses and gloves. Disconnect all power to the trolling motor before beginning any work or maintenance. Johnson Outdoors Inc. is not responsible for any damage due to improper rigging or installation. If you do not have the skills, experience and tools to perform the following maintenance and repairs, we recommend you seek the help of a Minn Kota Authorized Service Center. A list of Authorized Service Centers can be found at <http://www.minnkotamotors.com/Authorized-Service-Providers/>. Or contact our Technical Service Department by email at service@minnkotamotors.com or, by dialing 800-227-6433.

MOUNTING CONSIDERATIONS

Replacement Ulterra Trim Housings are shipped with roughly 8" of belt extending out the top of the Trim Housing and the majority of the belt length extending out the bottom of the Trim Housing. To complete an installation when working at a typical height bench following the included instructions will make the installation easier.

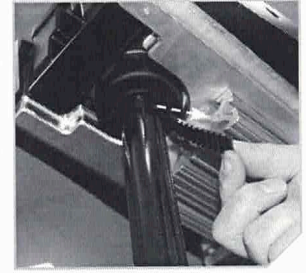
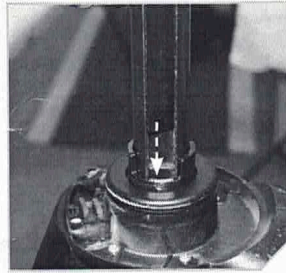
Begin with the motor disconnected from power and in the deployed position, vertical, with the control box and previous trim housing removed. As shown in the picture.



POSITION THE TRIM HOUSING

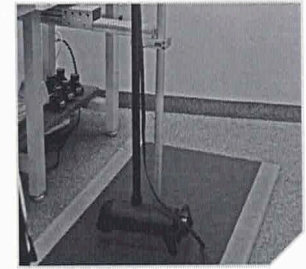
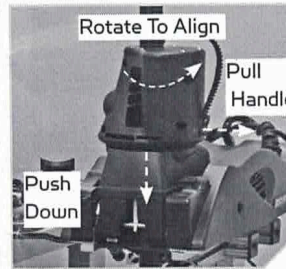
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- a. Slide the replacement trim housing down the motor shaft with the belt aligned with the belt groove of the motor shaft.
- b. Guide the belt through the steering housing keeping the belt in the groove of the motor shaft.



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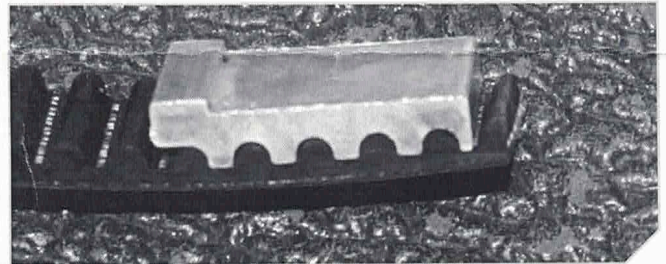
- c. Align the motor tube/belt and trim housing so the trim housing engages the Output Shaft of the Steering housing.
- d. Pull the Trim Housing Release Handle and finish engaging the Trim Housing on the Steering Housing



INSTALL THE LOWER BELT BLOCK

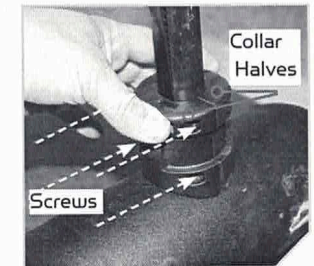
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- e. Place the lower end of the Lift Belt in the Belt Rack (each valley of the Belt Rack should have a full belt tooth in it).



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- f. Engage the tooth on the back of the Belt Rack in the slot on the motor bung.
- g. Install the collar halves around the motor bung over the Lift Belt and Belt Rack. Use a #2 Phillips Screwdriver to tighten the four (4) screws into place and fully secure the lower end of the Lift Belt.



"LEARN" THE TRIM HOUSING

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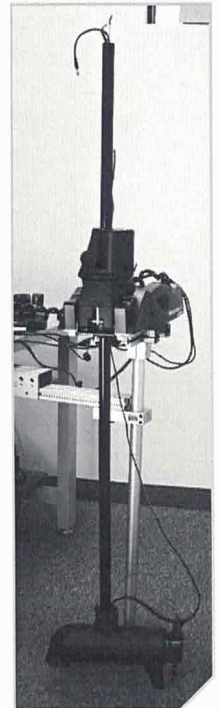
- h. At this point the trim housing should be properly located with a short section of belt out the top of the housing and the lower belt block should be fully installed. There should be a significant amount of slack between the bottom of the steering housing and the lower belt clamp collar as shown.



WARNING

The next few steps require the motor to be connected to power while not fully assembled. Carefully follow the instructions, do not attempt any functions other than those indicated. During the instruction the motor will move, make sure the path between the motor lower unit and the steering housing is clear of any obstructions, the motor base is securely held, and that your hands are free to control the belt prior to proceeding. Keep your hands clear of any pinch points.

- i. Check that the i-Pilot or i-Pilot Link controller is connected normally to the control board via the coil cord. Connect the motor to power, do NOT turn it on.



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- j. Press and hold the power button (about 5 seconds) until the status (red) and power (green) lights begin to flash (typically the red light will blink once and the green light will blink until the motor is powered off).

NOTE: If you do not get a continuously flashing green light the Trim Housing is not "Learned". Verify it is correctly installed, recheck that it is the correct trim housing for your motor, turn the motor off and repeat step j.



- k. When the trim housing is "Learned", push and hold the power button until the motor turns off (about 3 seconds).

POSITION THE BELT

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- i. Press the power button to turn the motor on. Turn the remote on.

NOTE: If the motor was manually moved to the deployed position you will need to “trick” the cam sensor. Remove the right sideplate and motor rest, then hold the cam magnet directly centered on the cam sensor during the next several steps.



- m. Hold the portion of the belt coming out of the top of the Trim Housing. Push the power button 3 times in less than 2 seconds to initiate a trim count reset. The motor will trim up until the lower unit contacts the bottom of the Steering Housing, keep tension on the Lift Belt as the motor trims. After the motor has stalled against the Steering Housing it will trim down 6”.
- n. Continuing to keep tension on the Lift Belt, use the remote to trim the motor down to a point you can reasonably work on the control box.
- o. Turn the motor off and disconnect from power.

NOTE: At this point the motor has steered the lower unit to what it expects is the Park Position. If the motor is not steered to a point that it will stow properly, manually turn it to the park position prior to turning the motor back on.

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- p. Complete the installation by reinstalling the control box, upper belt box, and i-Pilot/i-Pilot Link Controller.

For warranty information please visit minnkotamotors.com



minnkotamotors.com

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