

SERVICE BULLETIN

Replacing 3-Piece "Lovejoy" Coupler with Side-Power's New 1-Piece Coupler



Upgrade to 1-Piece Flex Coupler

Models: SP75Ti, SP95Ti, SP125Ti, and SP155TCi. These procedures can be completed with the boat in the water.



1

Shut off battery supply to thruster or remove the fuse from the thruster circuit.



2

Remove battery cables. Secure the jam nut behind the cable lug when loosening the outer nut; make sure the stud does not turn when removing the outer nut. Use 17mm wrench.



3

Unplug 4-wire Control Harness from motor pig-tail.



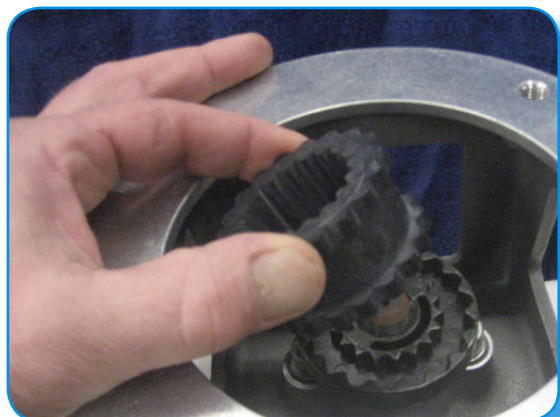
4

Remove motor mounting bolts with 8mm Allen wrench. Lift motor off motor bracket.



5

Remove Rubber Element or "doughnut".



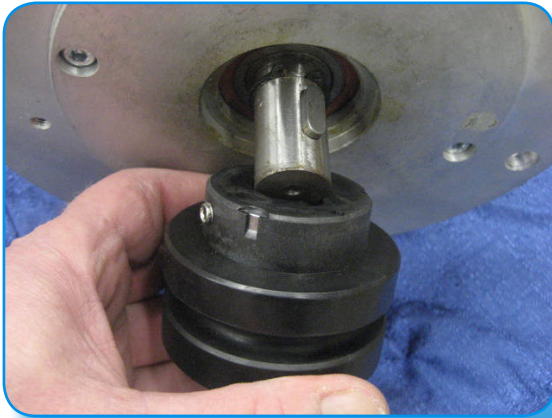


6

Use 3mm Allen wrench to loosen 2 set screws in each of the two coupler flanges on the motor and gearleg shafts. Remove both coupler flanges from the motor and gearleg shafts.

7

Leave the shaft keys in place on both the motor and gearleg shafts.

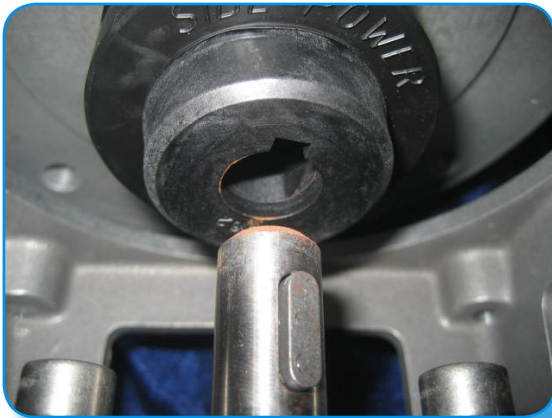
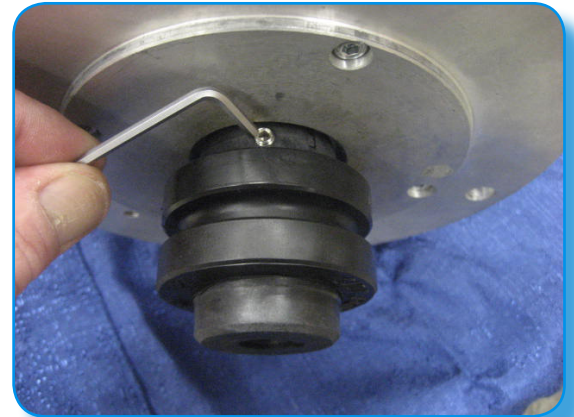


8

The new one piece coupler is installed on the motor shaft. Install the coupler on the motor shaft with set screw side of coupler on the motor shaft. Align the slot in the coupler with the key in the motor shaft. Install coupler on the motor shaft until it bottoms out.

9

Use 3mm Allen wrench to tighten set screw securing the coupler to the motor.



10

Reinstall motor. Align the slot in the coupler with the key on the gearleg shaft and drop motor into place.

11

Reverse remainder of motor removal procedures.

Note: When installing battery cables, be sure to secure inner jam nut when tightening. Tighten to 11 lb/ft. or 15Nm.

