

# TIDES MARINE

## Strong Seal Replacement

- 1.**Inspect the exposed shaft surface between the Spare Seal Carrier and the Strong Seal. Be certain that it is clean as well as free of any nicks or burrs, which might damage the spare lip seals. If necessary, you may polish the shaft using 300-400 grit wet/dry sandpaper working radially around the shaft.
- 2.**Remove the retaining ring from the front the Strong Seal unit. **DO NOT DISPOSE OF IT.** You may first need to loosen the screws on the carrier and slide it away from the Strong Seal for better access.
- 3.**Remove the screws from the Spare Seal Carrier and separate the halves exposing the spare replacement lip seal(s).
- 4.**Spiral the Retaining Ring off of the shaft and put aside for future use. **Do NOT Lose this part.** You will need it.
- 5.**Using a hook or needle nose pliers, remove the worn lip seal and cut it off the shaft. **DO NOT PRY ON SEAL BODY.**
- 6.**Carefully slide the replacement seal down the shaft until it touches the Strong Seal unit.
- 7.**Reassemble the Spare Seal Carrier housing on the shaft with the long shoulder touching the replacement seal. Do not tighten

assembly screws fully, as the housing must be able to slide down the shaft and into the front of the Strong Seal unit.

- 8.** With a mallet or hammer, gently tap the end face of the carrier housing to drive the lip seal into position. Be careful not to damage the shaft or housing.
- 9.** When the lip seal is properly seated in the Strong Seal housing, the groove which accepts the retaining ring will be fully visible.
- 10.** Remove the carrier and reinstall the retaining ring.
- 11.** If the carrier contained two spare seals, the housing should be reassembled over the remaining seal as before.