



OCTOPUS

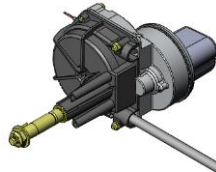
SERVICE PROCEDURE - SP010
REV NEW 07-MAY-2013



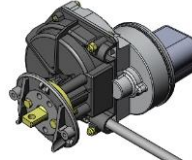
SLIP CLUTCH ADJUSTMENT – MECHANICAL DRIVES

A. APPLICABLE MODELS

- i. Type S
- ii. Type T
- iii. Type R
- iv. Type RS



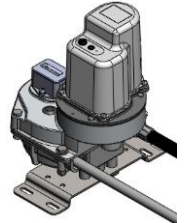
Type S



Type T



Type R



Type RS

B. REQUIRED PARTS:

- i. # 3 Philips screwdriver – long shaft.
- ii. Small flat blade screwdriver.
- iii. Clamp on amp meter.
- iv. Flash lamp.

C. PROCEDURE (same for all drive types – Type R shown in example graphics). It is possible to perform this procedure with the drive in situ but dashboard mounted drives Type S & T may prove to be too difficult and therefore have to be removed for better access.

- i. Using the small flat blade screwdriver – remove the plastic plug located on the rear of the gearbox casting adjacent to the Rudder Feed Back module.
- ii. This uncovers the slip clutch adjustment access hole.
- iii. Clamp amp meter onto power supply cable close to the drive unit.
- iv. Use autopilot jog control to adjust position of drive hub to line up the first slip clutch screw with the access hole.
- v. Using Philips screwdriver – tighten the first screw by approx. 1/8 turn.
- vi. Adjust position of hub to line up the second screw.
- vii. Tighten the second screw by approx. 1/8 turn.
- viii. Adjust position of hub to line up the third screw.
- ix. Tighten the third screw by approx. 1/8 turn.
- x. Using autopilot jog control – run drive into full HO and hold allowing clutch to slip – while clutch is slipping monitor current draw on amp meter.
- xi. Type S – T – R drives should draw max 5 amps when slipping.

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SERVICE PROCEDURE - SP007 (continued)
OC17SUK01 & OC17SUK02 – VALVE KIT INSTALLATION – # 8 BYPASS VALVE

- xii. Type RS drives should draw max of 8 amps when slipping.
- xiii. Depending on current reading – repeat above adjustment procedure to either increase or decrease the torque on the 3 adjustment screws until the correct current draw is satisfied.
- xiv. Note that it is important to keep the torque on the 3 adjustment screws equal.
- xv. Install the plastic plug into the gear box casting.

