

ASSEMBLY PROCEDURES - Static Cable Reel

Tooling required

Bench vice with aluminium jaws
Ring spanner 10mm
Ring spanner 22mm
EP2 grease
Allen key no 4
1/4 Socket 13mm
1/4 Socket wrench
1/2 Socket 26mm
1/2 Socket wrench

Assembly Jigs required

N/A

Testing Jigs required

N/A

ASSEMBLY PROCEDURE

Fitment and assembly of base plate and locking arm assembly

- 1 Fit the base plate (#1) into the bench vice.
- 2 Fit and secure the locking arm assembly (#10/14/15) into place using M6 flat washer (#10) and M6 nyloc nut (#11) and fasten with ring spanner 10mm. (locking arm must move freely do not over tighten).

Fitment and assembly of center bush, ratchet plate, end plate, M14 bolt and centre bush washer

- 3 Insert the 3 x M6 allen cap screws (#27) through the center bush (#4) followed by the M14 bolt (#16).
- 4 Fit the end plate (#3) over the over the allen cap screws and M14 bolt.
- 5 Apply a small amount of EP2 grease to the M6 allen cap screws (#27) and place the M6 flat washer (#10) over the allen cap screw (#27) followed by the ratchet plate (#12) with the teeth facing in a clockwise direction.
- 6 Apply a small amount of EP2 grease to the ratchet plate (#12) and place the M6 flat washers (#10) over the allen cap screw (#27) followed by the ratched plate (#12) with the teeth in a counterclockwise direction.
- 7 Screw the allen cap screws (#27) into the top rachet plate (#12) by hand to secure the assembly.
- 8 Place the assembly on its side and push the M14 bolt (#16) through the centre bush (#4) with the thread protruded beyond the rachet plate (#12). Fit the cente bush washer (#2) over the M14 bolt (#16).

Fitment and assembly of ratchet assembly, base plate, locking arm, ratchet cable guard and grounding pin

- 9 Fit and secure the base plate (#1) into the bench vice and fit the ratchet assembly (#2/3/4/12/16) to base plate
- 10 Fit the ratchet cable guard (#19) to the M14 bolt (#16) followed by the M14 spring washer (#18) and M14 nut (#17).
- 11 Secure and tighten the M14 bolt (#16), spring washer (#18) and M14 nut (#17) using ring spanner 22mm, 1/2 socket wrench and 1/2 socket 26mm.
- 12 Fit the spring (#6) and grounding pin (#5) to the M14 bolt (#16).

Fitment and assembly of handle end plate, center bush plate and handle

- 13 Remove the 3 x M6 allen cap screws (#27) fitted to the center bush (#4).
- 14 Insert the 3 x M6 allen cap screws (#27) through the slots on the handle end plate (#8) followed by the centre bush plate (#7).
- 15 Fit the handle end plate assembly (#7/8/27) to the center bush (#4) and fasten using allen key no 4
- 16 Fit the handle (#9) to the handle shaft (#20) and secure and tighten using 1/4 socket wrench and 1/4 socket 13mm.

TESTING PROCEDURES - Static Cable Reel

- 1 Turn the dial of the voltage tester (multi meter) to the continuity setting. Insure the testing probes are secured in the voltage tester sockets.
- 2 Test the Continuity at 0.2 Ω for 10 seconds
- 3 Check for continuity:
 - a - base plate
 - b - handle end plate

ASSEMBLY & TESTING PROCEDURES - Static Cable Reel

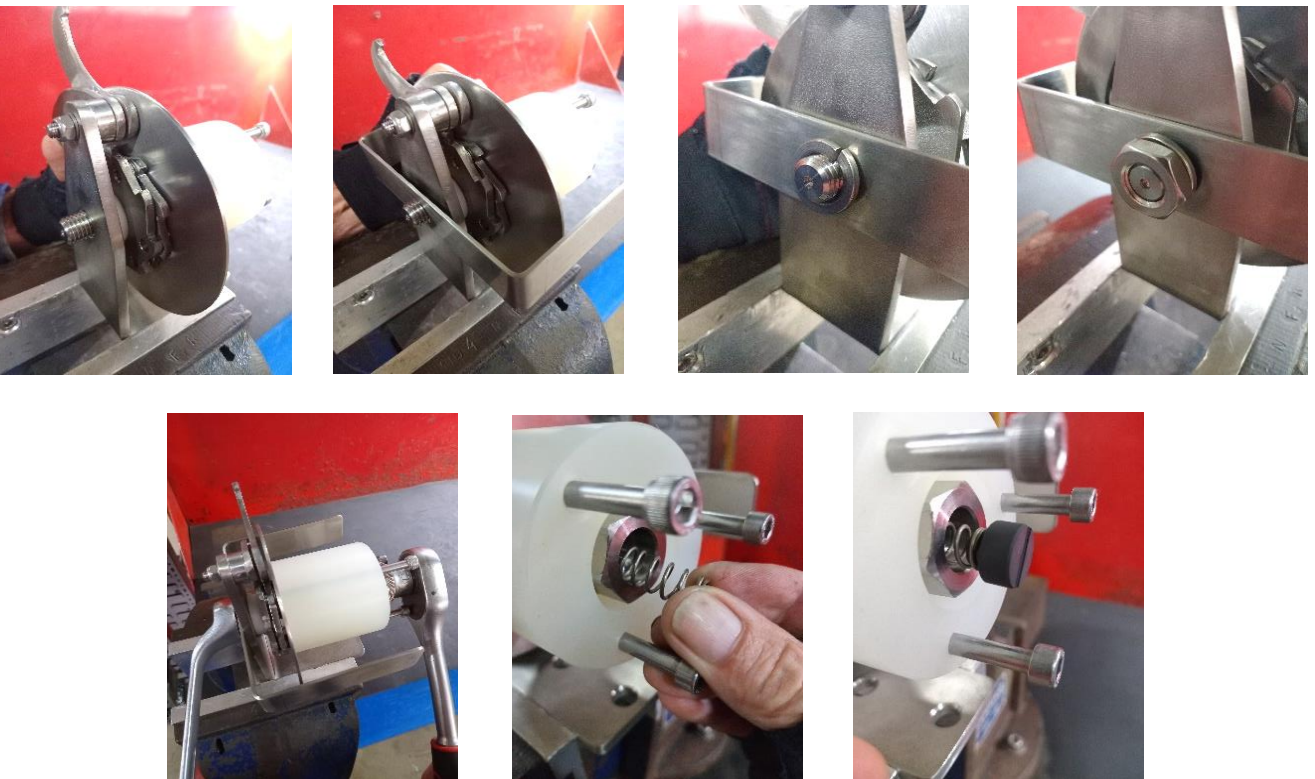


1 - 2 Base plate and locking arm assembly





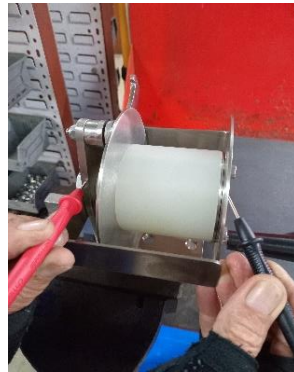
3 - 8 Center bush, ratchet plate, end plate, M14 bolt and center bush washer



9 - 12 Ratchet assembly, base plate, locking arm, ratchet cable guard and grounding pin



13 - 16 Handle end plate, center bush plate and handle



Test 1: Continuity @ 0.2 Ω for 10 seconds