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SERVICE BULLETIN

TL MEWPs – CAN Drop Out Issue

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-	19-12-2017	W. Ward	Original Issue
1	15-11-2018	W. Ward	Change heading to service bulletin

1. CAN Drop Out Issue

The operator's will primarily experience interruptions of radio remote control typically when slewing. The HMI will show Fault code 3 – ICND not online during the drop out. This will self-clear when the ICND CAN node connects again. If the CANbus suffers a large disruption then the HMI will likely display a 'cannot connect to PLC' message.

2. Slip Ring Cleaning & Maintenance

Parts required:

- Electrical contact cleaner (CRC2016 or similar)
- Sandpaper Wet & Dry, 1200 grit

Repair procedure:

1. Turn MEWP on, engage the PTO and set-up jacklegs.
2. Raise the main boom up to gain access to the inside of the turret through the top (the slip ring assembly is located in the center of the turret). Turn off PTO and isolate power.
3. Remove the metal cover to see the ring and brush assembly.

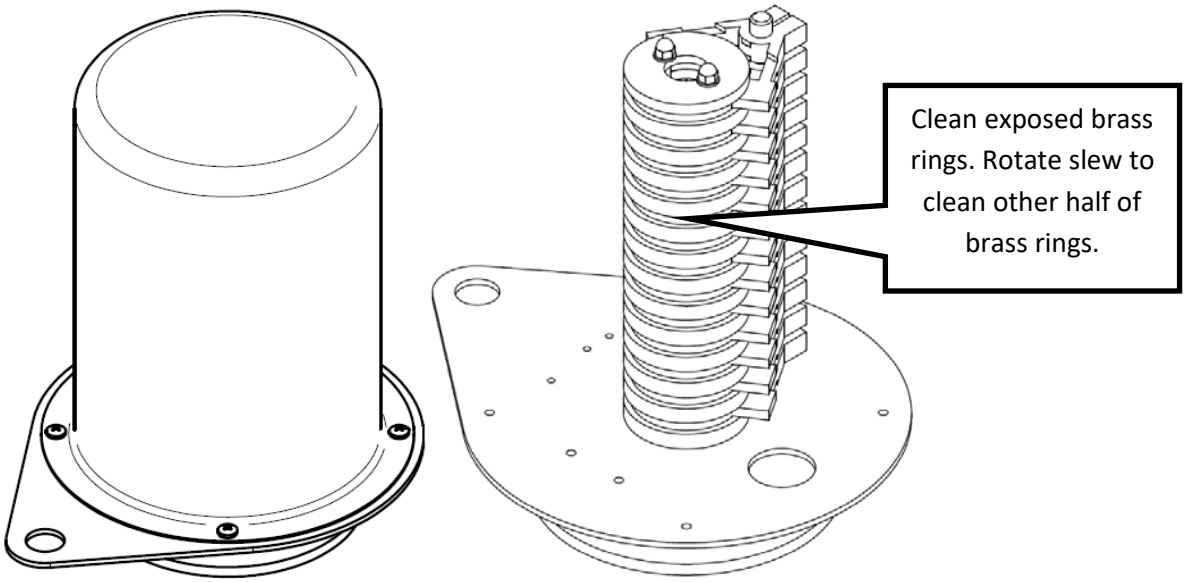

Figure 1: Electrical slip ring assembly with and without metal cover.

4. Using fine sandpaper clean the exposed brass rings half and spray with contact cleaner. Also, gently rub the face of each contact on the brush assemblies using the sandpaper.
   NOTE: The 2 main slip rings to clean can be identified with the brown wire and white wire connected to the brush assemblies.
5. Exit the turret, turn power back on, engage PTO and then slew the turret 180° when safe to do so. Turn off PTO and isolate power.
6. Get back into the turret and clean the other exposed half of the brass rings as per Step 4.
7. Ensure that each brush assembly is being forced onto the brass rings, and not catching on the black plastic spacers.
8. Bolt the metal cover back on
9. Turn power back on, engage PTO and then test turret slew functions and other radio remote functions. Ensure there are no more interruptions.