

TB 0369 – NOJA Reclosers Terminal Connections

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Purpose

This technical bulletin provides notification on the change of HV terminal connections of the NOJA OSM 12kV/38kV reclosers.

Background

There have been multiple failures around the termination of the CCT to tunnel connectors on OSM200 (older) and OSM300/310 (new) NOJA recloser. Refer to Fig. 1 & 2 for examples of failures.

Based on investigations conducted, we can conclude the failures are probably due to corrosion, dissimilar metals or inadequate termination.



Fig. 1 OSM 200 series failure



Fig. 2 OSM 300 series failure

Future installations

All future NOJA reclosers will be supplied with tin coated brass alloy M12 palm connections. Appropriate Bi-metal lugs must be used to connect the CCT cable to the palm terminal. Bolt and nut connections and torquing value must be in accordance with MCI 0005. (Refer to Figure 3)

Refer to Table 1 for the material numbers.

Current stock at the stores with tunnel connectors have been modified by NOJA technicians to palm connectors.



Fig. 3 Photos of palm terminal and the bi metal lug

A separate Technical Bulletin with replacement instructions for modifying existing in service or failed units with palm connections will be issued soon.

Table 1 Material numbers

Material Number	Description	Supplier
1000010790	Bi metal lug 180mm ² with 2 M12 holes	Acculec Power
1000005399	Recloser OSM -15 -16-800-310	NOJA Power
1000005421	Recloser OSM -38 -16-800-300	NOJA Power

Impacted Standards

The standards impacted by this change are:

- SDI 213 - NOJA Power switchgear: 12kV /38kV recloser - OSM 15 / 38, 200 series with RC01ES control and 310/300 series with RC10 control.
- MCI 0005 – Overhead construction standards manual

Contacts

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