

## SERVICE BULLETIN

### MEWP – Turret Insulation Air Gap Requirement

Doc. No.: 601067-04

Date: 02/05/2023

Rev No.:	Date:	Author:	Description:
-	02-05-2023	Katrina Otto	Original Issue
1	20-06-2023	Katrina Otto	Updated requirement to exclude covers after user feedback & consultation with EQL's Equipment Testing Representative, Ben Sorrel

A sufficient air gap is required to maintain the chassis insulator's integrity. Electricity could arc across and bypass the insulator if a conductive object is positioned too close to the top of the insulator. The requirements regarding the acceptable air gap distance around the chassis insulator has recently been reviewed. In consultation with Energy Queensland's Equipment Testing Department, RG has concluded with the following recommendation, which is as per Australia Standard AS1418.10-2011.

A **MINIMUM** air gap of **320mm** between conductive materials must be maintained. This measurement may be taken with the fibreglass covers removed, if required.

- 1) Check all areas around the turret (drivers' side, kerb side, front & rear).
- 2) Sharp objects or latches near the turret area should be avoided.
- 3) Dimensions should be taken on flat ground with the boom in the stowed position.
- 4) Minimum value of 320mm is for vehicles operating below 2000m above sea level.
- 5) When making changes to an EWP layout around the chassis insulator, careful consideration must be had to ensure the air gap is not compromised. Redmond Gary recommends performing a routine electrical test after any alterations in this area

