

## EME GROUND CONNECTION MONITORING FAULTS

### PROCEDURE

For **G01/ G05/ G12/ G20/ G30**:

Check the following in ISTA;

Function structure > Engine > Hybrid vehicle > Electrical machine electronics >

Ground connection > EME: Check ground connection

Perform the functional check in this test module and compare the result with the values below.

1. If the resistance is less than 0.7 mOhm:

- Program the vehicle with ISTA to I level 20-11-500 (available since November 2020) or a more recent version
- Clear faults and retest vehicle.
- If ok, no further action nor parts are needed

2. If the resistance is greater than or equal to 0.7 mOhm:

- Program the vehicle with ISTA to I level 20-11-500 (available since November 2020) or a more recent version.
- Then remove both grounding cables at the EME (electrical machine electronics), and follow cleaning procedure illustrated below.



**Note: Replacing the EME (electrical machine electronics) is not required and will not correct vehicle concern**



GRUSB1219-09

1. Remove both grounding cables at the EME. (G30 shown)



GRUSB1219-10

2. Clean the contact surface of both grounding cables and the ground support point at the EME using 1200 grit emery cloth stainless steel brush or equivalent.
3. Remove residual debris using air and cleaning cloth.
4. Refit both ground cables
5. Replace both (2) grounding point bolts at the EME (part #: **12 36 5 A20 8E6**).
6. Torque grounding point bolts to 19Nm.
7. Clear faults and retest vehicle.