

# Special Service Message

NOTE: A Special Service Message is a formal communication issued by Land Rover and carries the same importance of a Technical Service Bulletin. An SSM is a quick method of communicating "Need To Know" information to the technical service community. SSM's may be issued in advance of a technical bulletin or may be the only communication on a given topic. All information contained in Land Rover technical communications are intended for use by trained, professional technicians with the knowledge, tools, and equipment required to complete the procedure correctly and safely. It informs the Technicians of conditions that may occur on some vehicles, or provides information that could assist in correct vehicle and diagnostic service.

SSM 74553 - Diagnostic: Discovery L462 Battery Negative Earth to Ground G4D178 Poor Connection

**Models :** Discovery / L462

(SALRR2RKXK2400001 -  
SALRA2BV4L2418197)

**Engineer** Lengyel Tomáš

**Name :**

**Last** 23 SEP 2019 14:21:27

**Modified :**

**Category :** Electrical

**Symptom :** 203000 Basic Electrical

**Content :** Issue: Due to insufficient ground contact at G4D178 Battery earth stud, various fault codes may appear and symptoms related to voltage drop, high ground point resistance and power supply. Symptoms such as non or intermittent start or engine cut-out may be reported.

Cause: Ground bolt joint has excess paint causing a poor contact to ground or loose earth stud to body causing intermittent or no contact.

Action: In the event of these issues, please begin fault tracing with a check of the ground point G4D178 for correct fitment and function (located in the trunk area below the 12V battery, earth negative lead). Check for discoloration, burn marks or loose (stud to body) connection, see attached examples. If earth stud found defective, replace according to Topix 501-25A Body Earth Stud Repair.

**File :** [Earth stud loose.mp4](#)  
[G4D178 Earth stud.JPG](#)