

# 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 74732 - Discovery L462 Battery Earth to Ground G4D178 Poor Connection

**Models :** Discovery / L462

(SALRR2RKXK2400001 -  
SALRA2BV4L2418197)

**Engineer** Conte Richard

**Name :**

**Last** 20 FEB 2020 20:50:40

**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 ground, high ground point resistance and power supply. An intermittent start may be reported.

Cause:

Ground bolt joint has excessive paint causing 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 lead). Check for discoloration or a loose (stud to body) connection, see attached example. If the earth stud found defective, replace according to TOPIx 501-25A Earth Stud Repair for a 6mm stud, If your retailer does not have a 6mm earth stud tool, check the availability with your approved aluminum body shop or the attached list of body shops that have purchased tool JLR-MRPK4081. Replacement 6mm studs are provided with the tool. Additional studs may be purchased via the Bosch special tools web site under part number 78905-SINGLE. All JLR retailers will receive this special tool as mandatory equipment before the end of April.

**File :** [Body shops with earth stud tool JLR-MRPK4081.xlsx](#)  
[Stud replacement.JPG](#)  
[Bad ground stud.JPG](#)

Jaguar Land Rover Limited 2000 - 2020 (Rel. 2678)