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 74547 - DTC C1A67-78 and/or C1A67-54 (forward looking sensor - alignment or adjustment incorrect)

Models : Discovery / L462
Range Rover / L405
Range Rover Sport / L494

Engineer Name : Mike Littler

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Category : Electrical

Symptom : 203000 Basic Electrical

Content :

Issue:

Adaptive speed control not available, intelligent emergency braking not available, forward alert not available over 80km/h (50mph) is displayed on the Instrument Cluster (IC). Diagnostic Trouble Code (DTC) C1A67-78 and/or C1A67-54 are set in the Adaptive Speed Control Module (ASCM).

NOTE – the concern detailed in this SSM is only applicable to the following vehicles –

- Range Rover (L405) 18MY onwards
- Range Rover Sport (L494) 18MY onwards
- Discovery (L462) 19MY onwards

Cause:

Adaptive speed control bracket is potentially bent/damaged. The adaptive speed control module on these models is positioned close behind the bumper surface, so is vulnerable to being pushed out of alignment in very low speed incidents that produce no external visible damage. The module will normally not sustain any damage and therefore does not require replacement. However the bracket can be bent, usually leading to the module pointing more to the right. The modules continuous alignment monitoring detects this, leading to the DTC(s) setting.

TOPIx Diagnostic Trouble Code Index and Workshop Manual Description and Operation Diagnosis and Testing (section 310 Speed Control) was updated to reflect this a number of months ago, however warranty data is showing the adaptive speed control module is still being replaced with no action being carried out on the bracket leading to repeat concerns.

Action:

1. Remove the front bumper (refer to TOPIx Workshop Manual Section 501-19: Bumpers)
2. Inspect the adaptive speed control module and bracket. Only replace the module and bracket if mechanical damage is seen on the module. If the module is not damaged, replace the bracket only and refit the existing module to the new bracket. Refer to the attach file which shows an example of a good and damaged bracket.
3. Refit the front bumper (refer to TOPIx Workshop Manual Section 501-19: Bumpers)
4. Using the Pathfinder Diagnostic Tool select Service Alignment Mode and follow all on screen instructions. Refer to TOPIx section 310 – Speed Control – General Procedures – Adaptive Speed Control Module Adjustment for further details.

File : Adaptive Speed Control Bracket.pdf