

Reference	SSM74102
Models	Discovery / L462 Range Rover / L405 Range Rover Sport / L494
Title	Smart key not found or poor range when remote buttons pressed 2018MY only
Category	Electrical
Last modified	01-Oct-2018 00:00:00
Symptom	205000 Electrical Accessories

Content **Issue:** A customer may report intermittent or permanent poor operational range of the smart key remote when the lock/ unlock button is pressed on 2018MY only Range Rover, Range Rover Sport, Discovery. Any of the following symptoms may be present.

1. Smart key not found appears on Instrument Cluster intermittently.
2. Key remote will only lock/ unlock the vehicle when close to the vehicle approximately 1 metre to 10 metres.

Cause: Possible trapped coaxial cable between the Radio Frequency (RF) antenna and Remote Function Actuator (RFA) module or faulty RF antenna.

Action: If a customer reports any of the concerns above for a vehicle in the VIN range, please follow the steps below.

1. Connect Pathfinder and check for any relevant DTCs stored in the RFA. If DTCs stored continue with diagnostics using Pathfinder and with reference to TOPIx Workshop Manual. If no DTCs stored continue to next step.
2. Check the coaxial cable from the RF antenna to the RFA is correctly routed and not trapped at any point. If trapped (but not showing any permanent damage) re-route the cable or replace if necessary and re-check operation of remote, if functioning correctly return vehicle to customer. If not functioning correctly or the co-axial cable is correctly routed and not trapped, replace the RF antenna and re-check the operation of the remote. If the remote is functioning correctly, return the vehicle to the customer, if it is not functioning correctly continue with diagnosis using Pathfinder and with reference to TOPIx Workshop Manual.

Note: If the co-axial cable shows signs of damage then the RF antenna will require replacement as the co-axial cable is not available as a separate component. When fitting a new RF antenna to the vehicle body ensure that pressure is not applied to the central area of the antenna, pressure should only be applied at the ends of the antenna when fixing into position.

Land Rover are currently in the process of authoring a Technical Service Bulletin for the concern that will be published on TOPIx shortly.

VIN range 2018MY only:

L462 up to 074497

L494 up to 807807

L494 up to 412454

L405 up to 509507

Technicians - Please rate this SSM and provide comments so that future communications can be improved.

1 = Poor – Basic information provided – The SSM does not help me resolve the customer concern.

3 = Average – Adequate information provided – The SSM partially helps me resolve the customer concern.

5 = Excellent – All required information provided to resolve the customer concern.