

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 75160 - Water Ingress after Wading

Models : Defender/L663

Engineer :Tristan Hooper

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Updated :

Content :Issue:

Customer reports water ingress into the vehicle after wading

Cause:

Various quality issues with regards to body sealing, harness grommet fitment

Action:

Please Note – This SSM is to aid with the diagnosis of known water entry points on the vehicle, please only repair the leak points as reported by the customer.

- Locate the wet area on the vehicle which the customer has reported

- Before any further water leak diagnosis is completed, Pin-point the area of concern using the reference numbers in the steps below:

1. **MHEV Blanking Plate** – Remove the blanking plate and apply a bead of suitable sealant to the sealing surface and refit the blanking plate.
2. **PHEV Blanking Plate** - Remove the blanking plate and inspect for warpage. If the part is excessively warped please replace with LR136275 and when refitting apply a bead of suitable sealant to the sealing surface and refit. If the part is not excessively warped, apply a bead of suitable sealant to the sealing surface and refit
3. **Left Hand Front Harness Grommet** – Check the grommet is located and secured correctly from the underside of the vehicle making sure all the locking tabs are latched correctly by pushing down on the grommet from inside the vehicle. If a water leak is still occurring then remove the harness grommet and seal using suitable sealant to the harness grommet surface and refit making sure all 4 clips are located, an audible "click" should be heard. Inspect 4 retaining clips are engaged.
4. **Battery Box Leak** – Check for fitment of battery box drain valve. If the valve is missing, please fit LR130716 also check the opposite drain hole and if leaking remove/clean and fit LR080005
5. **Second row heel board bolt holes** – Cover the holes with LR080005, please ensure the patch contact surface is cleaned using an alcohol cleaning wipe or equivalent prior to fitment.
6. **Door Sill Seam Leak** - Remove the door seal from the sill flange area for all 4 side doors and apply a bead of suitable sealant along the full length of the sill flange joint, including part-way up the lower corner. Allow sealer to cure for the recommended time before reapplying door seals.
7. **Leaking Sealing Patches on Floor in Boot Space** – Remove old sealing patch and clean the area. Once dry and clean new a new sealing patch LR080005
8. **Air Suspension Compressor Mounting Bracket** – Water ingress maybe evident through the mounting bolts. Access by removing the air suspension compressor and placing to one side, remove the air suspension compressor bracket mounting bolts and seal using a suitable sealant and refit the compressor.
9. **Wiring Loom Carrier Mounting Hole** – Harness clip maybe adrift causing water ingress into the rear load space. Please fit sealing patch LR080005 and

adjust the harness fixing.

10. **Towbar Harness Grommet** – From inside the vehicle, check the grommet is secure by applying a push/pull test making sure all 4 locating clips are secure within the body flange. If a water leak is still occurring then remove the harness grommet and seal using suitable sealant to the harness grommet surface and refit making sure all 4 clips are located, an audible “click” should be heard

JLR are currently progressing a TOPIx Workshop Manual, Diagnosis and Testing update to address this concern, once this update has been released this SSM will be removed.

Thank you in advance for your assistance with this matter

Version : 1

Attachments : [SSM Attachment L663 Water Leaks After Wading.pdf](#)