

TECHNICAL BULLETIN
LTB00367NAS4
20 NOV 2013



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NOTE: The information in Technical Bulletins is intended for use by trained, professional Technicians with the knowledge, tools, and equipment required to do the job properly and safely. It informs these Technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by 'do-it-yourselfers'. If you are not a Retailer, do not assume that a condition described affects your vehicle. Contact an authorized Land Rover service facility to determine whether this bulletin applies to a specific vehicle.

This reissue replaces all previous versions. Please destroy all previous versions. Only refer to the electronic version of this Technical Bulletin in TOPIx.

Changes are highlighted in gray

SECTION: 418-02

Surround Camera System Coax Harness Overlay Installation

AFFECTED VEHICLE RANGE:

LR4 (LA)

Model Year: 2010 Onwards
VIN: AA510742 Onwards

Range Rover Sport (LS)

Model Year: 2010-2013
VIN: AA212147-DA814822

Range Rover (LM)

Model Year: 2010-2012
VIN: AA304426-CA393639

MARKETS:

NAS

CONDITION SUMMARY:

Situation: On vehicles fitted with the Surround Camera System (**not** vehicles fitted with only a Parking Aid – Rear view camera), the camera image may be lost and a blue screen is displayed.

Cause: This may be caused by signal loss from poor connections, harness routing and excessive bending, the harness being tightly clamped, and damage to the insulation.



NOTE: For image loss / blue screen concerns, the Repair Procedure outlined in Technical Bulletin LTB00430 must be completed prior to undertaking a coax harness overlay installation. Only for those concerns not covered by or not rectified after completing LTB00430 should the installation of a coax harness overlay be performed.

Action: Should a customer express this concern, follow the Service Instruction outlined below.

PARTS:

LR022556	LR4 ONLY - Harness – Interconnect to Touch Screen – Cabin (C1184 to C2826)	Quantity: 1
LR025522	LR4 ONLY - Harness - RH door camera - Door (C3351 to C3504)	Quantity: 1
LR025524	LR4 ONLY - Harness - LH door camera - Door (C3353 to C3503)	Quantity: 1
LR025531	LR4 ONLY - Harness - Rear camera - Tailgate	Quantity: 1

LR025532	LR4 ONLY - Harness - Front LH camera - Bumper (C3395 to C3349)	Quantity: 1
LR025533	LR4 ONLY - Harness - Front RH camera - Bumper (C3394 to C3347)	Quantity: 1
LR025335	LR4 ONLY - Harness - Module to rear camera - Cabin (C3346 to C0122S)	Quantity: 1
LR022555	LR4 / Range Rover Sport - Harness - Module to interconnect - Cabin (C3338 to C1185)	Quantity: 1
LR025329	LR4 / Range Rover Sport - Harness - Front LH camera - Cabin (C3342 to C3359L)	Quantity: 1
LR025330	LR4 / Range Rover Sport - Harness - Front RH camera - Cabin (C3340 to C2674L)	Quantity: 1
LR025333	LR4 / Range Rover Sport - Harness - RH door camera - Cabin (C3343 to C0460)	Quantity: 1
LR025334	LR4 / Range Rover Sport - Harness - LH door camera - Cabin (C3344 to C0464)	Quantity: 1
LR022555	LR4 / Range Rover Sport - Harness - Module to interconnect - Cabin (C3338 to C1185)	Quantity: 1
LR025527	LR4 / Range Rover Sport - Harness - Front RH camera - Engine compartment (C3392L to C2675L)	Quantity: 1
LR025529	LR4 / Range Rover Sport - Harness - Front LH camera - Engine compartment (C3393L to C3360L)	Quantity: 1
LR022554	Range Rover Sport ONLY - Harness - Interconnect to Touch Screen - Cabin (C1184 to C2856)	Quantity: 1
LR025338	Range Rover Sport ONLY - Harness - Module to rear camera - Cabin (C3346 to C2788T)	Quantity: 1
LR025525	Range Rover Sport ONLY - Harness - RH door camera - Door (C3351 to C3504)	Quantity: 1
LR025526	Range Rover Sport ONLY - Harness - LH door camera - Door (C3353 to C3503)	Quantity: 1
LR025534	Range Rover Sport ONLY - Harness - Front LH camera - Bumper (C3395 to C3349)	Quantity: 1
LR025535	Range Rover Sport ONLY - Harness - Front RH camera - Bumper (C3394 to C3347)	Quantity: 1
LR025929	Range Rover - Harness - Front RH camera - Cabin (C2674 to C3340)	Quantity: 1
LR025930	Range Rover - Harness - Front RH camera - Engine compartment (C2675 to C2327)	Quantity: 1
LR025931	Range Rover - Harness - Front RH camera - Bumper (C2328 to C3347)	Quantity: 1
LR025932	Range Rover - Harness - Front LH camera - Cabin (C3439 to C3342)	Quantity: 1
LR025933	Range Rover - Harness - Front LH camera - Engine compartment (C3392 to C3440)	Quantity: 1
LR025934	Range Rover - Harness - Front LH camera - Bumper (C3349 to C3394)	Quantity: 1
LR025935	Range Rover - Harness - Rear camera - Cabin (C3443 to C3346)	Quantity: 1
LR025936	Range Rover - Harness - RH door camera - Cabin (C0460 to C3343)	Quantity: 1
LR025937	Range Rover - Harness - LH door camera - Cabin (C0460 to C3344)	Quantity: 1
LR025938	Range Rover - Harness - LH & RH door cameras - Door	Quantity: 1

(C0337 to C3353 - LH; C0323 to C3351 - RH)

LR031460

Range Rover - Harness – Tailgate (C3443 to camera)

Quantity: 1

TOOLS:

SDD with latest DVD and Calibration File
Jaguar Land Rover-approved Midtronics battery power supply

WARRANTY:

NOTE: Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Always refer to TOPIx to obtain the latest repair time.



NOTE: DDW requires the use of causal part numbers. Labor only claims must show the causal part number with a quantity of zero.


DESCRIPTION	SRO	TIME
LR4 - Harness - Side view camera (Overlay) - LH - Renew	86.71.01	1.2
LR4 - Harness - Side view camera (Overlay) - RH - Renew	86.71.02	3.0
LR4 - Harness - Front view camera (Main harness overlay) - LH - Renew	86.71.03	3.0
LR4 - Harness - Front view camera (Main harness overlay) - LH - Renew	86.71.04	1.4
LR4 - Harness - Front view camera (Engine compartment harness overlay) - LH - Renew	86.71.05	1.3
LR4 - Harness - Rear view camera (Engine compartment harness overlay) - LH - Renew	86.71.06	1.3
LR4 - Harness - Rear view camera (Overlay) - Renew	86.71.07	1.3
LR4 - Harness - Side view camera (Front door overlay) - Renew	86.71.11	1.3
LR4 - Harness - Front view camera (Bumper overlay) - Renew	86.71.12	1.5
LR4 - Harness - Rear view camera (Tailgate) - Renew	86.71.10	0.5
Range Rover Sport - Harness - Side view camera (Overlay) - LH - Renew	86.71.01	1.2
Range Rover Sport - Harness - Side view camera (Overlay) - RH - Renew	86.71.02	3.2
Range Rover Sport - Harness - Front view camera (Main harness overlay) - LH - Renew	86.71.03	3.2
Range Rover Sport - Harness - Front view camera (Main harness overlay) - LH - Renew	86.71.04	3.2
Range Rover Sport - Harness - Side view camera (Front door overlay) - Renew	86.71.11	1.2
Range Rover Sport - Harness - Front view camera (Bumper overlay) - Renew	86.71.12	1.3
Range Rover Sport - Harness - Front view camera (Engine compartment harness overlay) - LH - Renew	86.71.05	1.3
Range Rover Sport - Harness - Rear view camera (Engine compartment harness overlay) - LH - Renew	86.71.06	1.3
Range Rover Sport - Harness - Rear view camera (Overlay) - Renew	86.71.07	1.6
Range Rover - Harness - Side view camera (Overlay) - LH - Renew	86.71.01	1.1
Range Rover - Harness - Side view camera (Overlay) - RH - Renew	86.71.02	1.7
Range Rover - Harness - Front view camera (Main harness overlay) - LH - Renew	86.71.03	1.5
Range Rover - Harness - Front view camera (Main harness overlay) - RH - Renew	86.71.04	1.5
Range Rover - Harness - Front view camera (Engine compartment harness overlay) - LH - Renew	86.71.05	1.1
Range Rover - Harness - Front view camera (Engine compartment harness overlay) - RH - Renew	86.71.06	1.1
Range Rover - Harness - Rear view camera (Overlay) - Renew	86.71.07	2.6
Range Rover - Harness - Rear view camera (Link harness) Renew	86.71.09	0.2

Range Rover - Harness - Side view camera (Front door overlay) - Renew	86.71.11	1.0
Range Rover - Harness - Front view camera (Bumper overlay) - Renew	86.71.12	1.1



NOTE: Normal Warranty policies and procedures apply.

SERVICE INSTRUCTION:

1.  **NOTE: Before commencing this Service Instruction, refer to Technical Bulletin LTB00551NAS to see if symptoms apply and check SDD for available software updates to the Camera Control Module (CCM); Camera Control Module may also be referred to as Image Processing Control Module (IPCM) or Parking Aid Camera Module (PACM).**

Check SDD for available Camera Control Module software updates; updates to be performed as a separate claim.

- If there are no software updates or the issue continues after updating, proceed to the next step.

2. Refer to Technical Bulletin LTB00430NAS and install camera harness equalizers; to be performed as a separate claim.

- If the issue continues, proceed to the next step.

3. Inspect the camera coaxial cable overlay harness for the camera with blue screen issue for defects such as poor connections, harness routing, excessive bending, harness tightly clamped, and/or damage to the insulation.

- If an issue is identified with the existing camera coaxial cable harness, refer to step 4 and install the appropriate new overlay coax harness listed in the Parts section.
- If an issue is not identified with the existing camera coaxial cable harness, **temporarily** fit a new overlay coax harness between the camera with the issue and the Camera Control Module.
 - If the issue is resolved by temporarily overlaying a new coaxial harness, refer to step 4 and install the harness permanently.
 - If the issue is not resolved by temporarily overlaying a new coaxial harness, remove the temporary overlay harness.
- If steps 1, 2, and 3 have not resolved the issue, continue to investigate potential faults with the affected camera or Camera Control Module.
- For Diagnostic Trouble Code (DTC) information and diagnostic procedures for this system, refer to TOPIx Workshop Manual, Section 100-00: General Information > Description and Operation.

4. Install a new camera coaxial cable overlay harness (see TOPIx Workshop Manual, Section 418-02).