

SB-10053925-4736

TECHNICAL BULLETIN
LTB00572NAS1
27 SEP 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.

SECTION: 418-02

Replacement Engine Compartment Harness

AFFECTED VEHICLE RANGE:**LR4 (LA)****Model Year:** 2010-2011**VIN:** AA513326-BA596987**Range Rover Sport (LS)****Model Year:** 2010-2011**VIN:** AA215623-BA717165**MARKETS:**

NAS

CONDITION SUMMARY:

Situation: The heated front windshield may not operate and evidence of heat damage may be found in the Engine Junction Box (EJB) / underhood fuse box. Diagnosis may determine that there may be signs of visible heat damage to either the heated front windshield fuses, heated front windshield relay, or the EJB / underhood fuse box.

Cause: At ambient temperatures approximately below 38F/4C, the heated front windshield and heated rear window will turn on automatically. This means the heated front windshield and heated rear window may be on for longer periods of time without the driver knowing. The extended operation can result in overheating of the fuses within the Engine Junction Box (EJB) / underhood fuse box.

Action: If there is any sign of deformation of the fuse box at any of the heated front windshield and/or rear window relay or fuse locations or the surrounding area, refer to the Service Instruction outlined below.

PARTS:

NOTE: Please refer to Microcat to ensure the correct harness is ordered against vehicle specification and VIN. Always refer to Microcat for any further supersession to this parts list.

Please refer to Table 1: ENGINE COMPARTMENT
HARNESSES.

Quantity: 1

TOOLS:

Refer to Workshop Manual for any required special tools.

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 (HOURS) | CONDITION CODE | CAUSAL PART |
|---|-----------------|--------------|----------------|-------------|
| Fuse box and engine compartment harness assembly - Replace - LR4 | 86.70.55 | 10.4 | 42 | LR020786 |
| Fuse box and engine compartment harness assembly - Replace - Range Rover Sport - 5.0L NA | 86.70.55 | 5.7 | 42 | LR016012 |
| Fuse box and engine compartment harness assembly - Replace - Range Rover Sport - 5.0L SC | 86.70.55 | 5.7 | 42 | LR016012 |



NOTE: Normal Warranty policies and procedures apply.

SERVICE INSTRUCTION:

Table 1: ENGINE COMPARTMENT HARNESS



NOTE: To assist in ordering a correct replacement harness, use the Engineering 'WERS' number located on the fitted harness / Engine Junction Box.

| ORIGINAL PART No. | ORIGINAL WERS No. | NEW PART No. | NEW WERS No. | MODEL / MODEL YEAR | DESCRIPTION |
|-------------------|-------------------|--------------|----------------|----------------------------|---|
| LR015770 | AH22-14290-AMB | LR051852 | AH22-14290-AMC | LR4 - 2010MY | 5.0L OHC SGDI NA V8 PETROL - AJ133, SURROUND CAMERA SYSTEM, WITH XENON HEADLAMPS - NAS, WITH HALOGEN HEADLAMPS - NAS |
| LR015771 | AH22-14290-ANB | LR051853 | AH22-14290-ANC | LR4 - 2010MY | 5.0L OHC SGDI NA V8 PETROL - AJ133, LESS FRONT CAMERA, WITH XENON HEADLAMPS - NAS, WITH HALOGEN HEADLAMPS - NAS |
| LR015772 | AH22-14290-APB | LR051854 | AH22-14290-APC | LR4 - 2010MY | 5.0L OHC SGDI NA V8 PETROL - AJ133, SURROUND CAMERA SYSTEM, WITH ADAPTIVE BI-XENON HEADLAMP NAS |
| LR015773 | AH22-14290-ARB | LR051855 | AH22-14290-ARC | LR4 - 2010MY | 5.0L OHC SGDI NA V8 PETROL - AJ133, LESS FRONT CAMERA, WITH ADAPTIVE BI-XENON HEADLAMP NAS |
| LR020753 | BH22-14290-AB | LR051941 | BH22-14290-AC | LR4 - 2011MY | 5.0L OHC SGDI NA V8 PETROL - AJ133, LHD, (+) 'CDN/MEX/USA', SURROUND CAMERA SYSTEM, LESS ADAPTIVE BI-XENON HEADLAMPS |
| LR020770 | BH22-14290-BB | LR051957 | BH22-14290-BC | LR4 - 2011MY | 5.0L OHC SGDI NA V8 PETROL - AJ133, LHD, (+) 'CDN/MEX/USA', LESS FRONT CAMERA, LESS ADAPTIVE BI-XENON HEADLAMPS |
| LR020784 | BH22-14290-CB | LR051970 | BH22-14290-CC | LR4 - 2011MY | 5.0L OHC SGDI NA V8 PETROL - AJ133, LHD, (+) 'CDN/MEX/USA', SURROUND CAMERA SYSTEM, WITH ADAPTIVE BI-XENON HEADLAMP NAS |
| LR020786 | BH22-14290-DC | LR051971 | BH22-14290-DC | LR4 - 2011MY | 5.0L OHC SGDI NA V8 PETROL - AJ133, LHD, (+) 'CDN/MEX/USA', LESS FRONT CAMERA, WITH ADAPTIVE BI-XENON HEADLAMP NAS |
| LR016010 | AH32-14290-BB | LR051915 | AH32-14290-BC | Range Rover Sport - 2010MY | 5.0L OHC SGDI NA V8 PETROL - AJ133, LESS FRONT CAMERA, WITH XENON HEADLAMPS - NAS |
| LR016011 | AH32-14290-CB | LR051922 | AH32-14290-CC | Range Rover Sport - 2010MY | 5.0L OHC SGDI NA V8 PETROL - AJ133, SURROUND CAMERA SYSTEM, WITH ADAPTIVE BI-XENON HEADLAMP NAS |
| LR016012 | AH32- | LR051923 | AH32- | Range | 5.0L OHC SGDI NA V8 PETROL - AJ133, LESS |

| | | | | | |
|----------|----------------|----------|----------------|----------------------------|--|
| | 14290-DB | | 14290-DC | Rover Sport - 2010MY | FRONT CAMERA, WITH ADAPTIVE BI-XENON HEADLAMP NAS |
| LR016013 | AH32-14290-EB | LR051924 | AH32-14290-EC | Range Rover Sport - 2010MY | 5.0L OHC SGDI SC V8 PETROL - AJ133, SURROUND CAMERA SYSTEM, WITH WIRING HARNESS - NAS |
| LR016014 | AH32-14290-BGB | LR051920 | AH32-14290-BGC | Range Rover Sport - 2010MY | 5.0L OHC SGDI SC V8 PETROL - AJ133, LESS FRONT CAMERA, WITH WIRING HARNESS - NAS |
| LR020861 | BH32-14290-AC | LR051984 | BH32-14290-AD | Range Rover Sport - 2011MY | 5.0L OHC SGDI NA V8 PETROL - AJ133, LHD, (+) 'CDN/MEX/USA', LESS ACE SUSPENSION, SURROUND CAMERA SYSTEM, WITH XENON HEADLAMPS - NAS |
| LR020879 | BH32-14290-BC | LR052001 | BH32-14290-BD | Range Rover Sport - 2011MY | 5.0L OHC SGDI NA V8 PETROL - AJ133, LHD, (+) 'CDN/MEX/USA', LESS ACE SUSPENSION, LESS FRONT CAMERA, WITH XENON HEADLAMPS - NAS |
| LR020880 | BH32-14290-CC | LR052004 | BH32-14290-CD | Range Rover Sport - 2011MY | 5.0L OHC SGDI NA V8 PETROL - AJ133, LHD, (+) 'CDN/MEX/USA', LESS ACE SUSPENSION, SURROUND CAMERA SYSTEM, WITH ADAPTIVE BI-XENON HEADLAMP NAS |
| LR020881 | BH32-14290-DC | LR052009 | BH32-14290-DD | Range Rover Sport - 2011MY | 5.0L OHC SGDI NA V8 PETROL - AJ133, LHD, (+) 'CDN/MEX/USA', LESS ACE SUSPENSION, LESS FRONT CAMERA, WITH ADAPTIVE BI-XENON HEADLAMP NAS |
| LR020882 | BH32-14290-EC | LR052010 | BH32-14290-ED | Range Rover Sport - 2011MY | 5.0L OHC SGDI SC V8 PETROL - AJ133, LHD, (+) 'CDN/MEX/USA', WITH ACE SUSPENSION, SURROUND CAMERA SYSTEM, WITH ADAPTIVE BI-XENON HEADLAMP NAS |
| LR020883 | BH32-14290-FC | LR052011 | BH32-14290-FD | Range Rover Sport - 2011MY | 5.0L OHC SGDI SC V8 PETROL - AJ133, LHD, (+) 'CDN/MEX/USA', WITH ACE SUSPENSION, LESS FRONT CAMERA, WITH ADAPTIVE BI-XENON HEADLAMP NAS |
| LR023253 | BH32-14290-CBA | LR052002 | BH32-14290-CBB | Range Rover Sport - 2011MY | 5.0L OHC SGDI SC V8 PETROL - AJ133, LHD, (+) 'CDN/MEX/USA', WITH ACE SUSPENSION, SURROUND CAMERA SYSTEM, WITH XENON HEADLAMPS - NAS |
| LR023254 | BH32-14290-CCA | LR052003 | BH32-14290-CCB | Range Rover Sport - 2011MY | 5.0L OHC SGDI SC V8 PETROL - AJ133, LHD, (+) 'CDN/MEX/USA', WITH ACE SUSPENSION, LESS FRONT CAMERA, WITH XENON HEADLAMPS - NAS |

1.  **NOTE: To assist in ordering a correct replacement harness, use the Engineering 'WERS' number located on a tag on the fitted harness / Engine Junction Box (EJB).**

Remove the heated front windshield and/or heated rear window relays and fuses from their cavities:

- If there are any signs of deformation of the underhood fuse box (Engine Junction Box [EJB]) within the surrounding area of the heated front windshield and/or rear window relays and fuse cavities, replace the engine compartment harness.
2. Replace fuse box and engine compartment harness assembly (see Topix Workshop Manual, Section 418-00).