

# TECHNICAL BULLETIN

Q160NAS1

05 MAR 2012



*THIS SERVICE ACTION IS VALID FOR A LIMITED TIME ONLY  
AND WILL EXPIRE ON 28 FEBRUARY 2014*

**SECTION: 205**

## Service Action: Front Drive Halfshaft Outboard Boot Degradation

**AFFECTED VEHICLE RANGE:**

Range Rover (LM)

VIN: AA321929 – AA327050

Model Year: 2010

**CONDITION SUMMARY:**

**Situation:** A limited number of 2010 model year Range Rover vehicles within the VIN range above may have been manufactured away from process and in some cases the front drive halfshaft outboard constant velocity (CV) boot could split at the small diameter convolute. Should this occur, grease could leak from the joint, leading to a potential noise / vibration concern. In an extreme case of grease loss where the vehicle driver ignores the warning signs (noise / vibration), the halfshaft CV joint may fail.

**Action:** Retailers are required to **HOLD** all affected vehicles in the above VIN range that are in their control and refrain from releasing the vehicles for new or used vehicle sale pending completion of the rework action detailed in this Technical Bulletin. Affected vehicles already in the hands of customers should be updated at the next available opportunity. At the time of customer appointment, ensure that all outstanding service campaigns for each individual vehicle are identified and allocate sufficient time and resources to complete all campaigns.

**PARTS:**

LR032577..... CV joint	Qty: 2 (maximum)
LR036114..... Boot kit	Qty: 1

**TOOLS:**

Refer to Workshop Manual for any required special tools

**WARRANTY:**



**NOTE:** Always check DDW to verify that the vehicle is affected by this Service Action or any other campaign prior to undertaking any repair. DDW reflects only those vehicles affected and un-repaired.



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

Warranty claims should be submitted quoting the Program Code 'Q160' together with the relevant Option Code; this will result in payment of the stated time. As Option Codes are used, there is no requirement to enter SRO information; these are displayed for information only. The option that allows for drive in / drive out may only be claimed if the vehicle is brought back into the workshop for this action alone to be undertaken.

This Service Action is valid for a limited time only and will expire on **28 February 2014**. All Warranty claims up to this date must be submitted for payment within 30 days of completion of the repair.

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.

<i>PROGRAM CODE</i>	<i>OPTION CODE</i>	<i>DESCRIPTION</i>	<i>SRO</i>	<i>TIME</i>	<i>PARTS</i>	<i>QTY/\$</i>
Q160	B	Replace boot kit - L/H and R/H	47.10.05	3.50	LR036114	1
Q160	C	Replace boot kit - L/H and R/H Drive in / drive out	47.10.05 02.02.02	3.50 0.20	LR036114 -	1 -
Q160	D	Replace boot kit and L/H or R/H CV joint	47.10.05	3.50	LR036114 LR032577	1 1
Q160	E	Replace boot kit and L/H or R/H CV joint Drive in / drive out	47.10.05 02.02.02	3.50 0.20	LR036114 LR032577 -	1 1 -
Q160	F	Replace boot kit and L/H and R/H CV joints	47.10.05	3.50	LR036114 LR032577	1 2
Q160	G	Replace boot kit and L/H and R/H CV joints Drive in / drive out	47.10.05 02.02.02	3.50 0.20	LR036114 LR032577 -	1 2 -

*Normal Warranty policies and procedures apply*

### **REPAIR PROCEDURE**

#### **INSPECT / REPLACE FRONT DRIVE HALFSHAFT OUTER BOOTS / CV JOINTS**



**WARNING:** Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.

1. Refer to Workshop Manual, section 100-02: *Jacking and Lifting*, and raise and support the vehicle.



**NOTE:** It is necessary to replace only the CV joint(s) which display signs of complete loss of grease or water or debris ingress into the CV joint(s).

2. Inspect the left-hand (LH) and right-hand (RH) front drive halfshafts' outer CV joint boots for signs of grease leakage:
  - If a boot(s) displays a complete loss of grease or water or debris ingress into the CV joint, refer to Workshop Manual, section 205-04: *Front Drive Halfshaft*, and replace the affected CV joint(s) only.
  - If a boot(s) does not display a complete loss of grease or water or debris ingress into the CV joint, refer to Workshop Manual, section 205-04: *Front Drive Halfshaft*, and replace front drive halfshaft outer CV joint boots only.