



UPDATE PRIOR TO SALE NOTICE

Global Service Action
Number: N763v6 UPS8522-
6

Changes are highlighted in blue

Subject: Camshaft Carrier Drill Hole	Publication No.: N763v6 UPS8522-6
	Model: Range Rover (LK)
	Model Year: 2023
	Model: Range Rover Sport (L1)
	Model Year: 2023
	Model: Discovery (LR)
	Model Year: 2023
	Model: Defender (LE)
	Model Year: 2023
	Model: Range Rover Velar (LY)
	Model Year: 2023 - 2024
	Date of Issue: 07 February 2023
	Expiry Date: 09 December 2023

To:	All National Sales Companies (NSCs), importers, retailers and authorized repairers.
For the Attention of:	The approved Jaguar Land Rover (JLR) retailer/authorized repairer.
Important:	<p>Rest of World: Quarantine in retailer/authorized repairer or applicable NSC location. North American Territories: Quarantine in retailer/authorized repairer or applicable NSC location.</p> <p>NOTE: The information in this campaign is intended for use by professional technicians. If you are not a JLR retailer/authorized repairer, do not assume that a condition described affects a specific vehicle. Contact an authorized JLR retailer/authorized repairer to determine if this campaign applies to a specific vehicle.</p> <p>This campaign has been re-issued to advise retailers/authorized repairers of a change to the parts quantity for part number LR105428.</p> <p>This campaign does not apply to any vehicles already registered and in use, either with the retailer/authorized repairer, or customer. Any vehicle already in use may continue to be driven and any repair instructions will be communicated through a separate campaign.</p>

FOR THE ATTENTION OF ALL:

DESCRIPTION OF ISSUE

A potential concern has been identified on specific vehicles within the above vehicle range.

A concern has been identified on a small number of vehicles with a 3.0l P6 Petrol engine, where one of the camshaft carrier holes has not been fully drilled. As a result, the oil channel could be blocked leading to an accumulation of engine oil against the pressure control valve rubber membrane.

ACTION TO BE TAKEN

This campaign directs retailers/authorized repairers to quarantine any unsold vehicles in the affected vehicle range.

Check the JLR Warranty Portal to make sure affected vehicles are correctly identified prior to starting this campaign. The Warranty Portal will be updated to reflect only those vehicles affected.

Retailers/authorized repairers are reminded that they must not sell vehicles identified as affected by this campaign until such time as the repair has been successfully completed.

Refer to the warranty section of this campaign for details of the Related Damage Process. At the time of confirming a booking for a vehicle repair, make sure you check the Warranty Portal to confirm if there are any other outstanding campaigns, to make sure the correct parts are available and adequate workshop time is allocated for repairs to be completed in one visit.

CUSTOMER COMMUNICATION

Should this campaign mean that you are unable to deliver an affected vehicle to a customer at an agreed handover date, advise the customer of the following:

"JLR are committed to delivering vehicles to our customers of the highest quality, complete with the very latest hardware and software. Our vehicles are continually evolving with our Engineering and Design teams constantly looking for new and innovative ways to further enhance and develop our vehicles. JLR have advised us that there is an upgrade to be completed on your vehicle and have instructed us to complete this action prior to handing the vehicle over to you. JLR apologize that this upgrade may delay the delivery of your new vehicle but are committed to make sure customers benefit from the very latest technology to make sure your ownership experience is the best possible."

If necessary, you may communicate technical details of the repair or upgrade that is required on the vehicle, this is at your discretion.

RETAILER EMPOWERMENT

We appreciate the frustration experienced by both our customers and retailers with regards to the launch of any Update Prior to Sale (UPS) notice.

Following the launch of Retailer Empowerment (and where you feel it appropriate), you now have the ability to offer goodwill to customers who have suffered delays in the delivery of their vehicle. Any goodwill offer should be specifically for a customer whose vehicle delivery has been delayed due to UPS activity to acknowledge the poor experience.

Should you have any questions, please contact the Customer Relationship Center (CRC) in the first instance for help and support.

FOR THE ATTENTION OF NORTH AMERICAN TERRITORIES ONLY:

Visit the British Brands Sales Suite (BBSS) website for a list of affected vehicles at your retailer/authorized repairer. Unsold vehicles must be repaired prior to handover of the vehicle for retail sale.

Yours faithfully

Steve Oldham

Global Customer Care Quality Director

SERVICE INSTRUCTION - N763V6 UPS8522-6

Parts Information - The below parts must be renewed

The parts below should be ordered through JLR in the normal manner. Parts should only be ordered when the inspection has been completed and parts are deemed to be required.



NOTE: The 2 radiator coolant hose retaining clips listed below must be renewed if damaged during removal.

Model	Description	Part No.	Qty.	% Of vehicles requiring this part*
All	Camshaft carrier gasket	LR121760	1	2
All	Camshaft carrier	LR166794	1	2
All	Upper timing chain cover gasket	LR121753	1	2
All	Upper timing chain tensioner	LR121800	1	2
All	Continuous Variable Valve Lift (CVVL) gasket	LR121761	1	2
All	Fuel injector install kit	LR105428	6	2
All	Engine vent oil separator gasket	LR178889	1	2
Range Rover Range Rover Sport Discovery Defender	Turbocharger clamp	LR178970	1	2
Range Rover Range Rover Sport Discovery Defender	Variable Camshaft Timing (VCT) bolts	LR135872	1	2
Range Rover Range Rover Sport Discovery Defender	Exhaust outlet gasket	LR162995	1	2
Range Rover Range Rover Sport Discovery Defender	Turbocharger outlet gasket	LR121356	1	2
Range Rover Range Rover Sport Discovery Defender	VCT solenoid seal	LR148214	2	2
Range Rover Range Rover Sport Discovery Defender	Radiator coolant hose retaining clip	LR175780	2	2

*When ordering parts, order no more than the expected percentage failure rate of parts identified.

The parts should only be ordered when the inspection has been completed and parts are deemed to be required.

Parts Information - The parts below must be re-installed - DO NOT DISCARD THE BELOW PARTS

The parts below should not be ordered, these parts must be removed and re-installed.

Description	Part No.
Camshaft Position Sensor (CMP) o-rings	LR095781
Center upper timing chain guide	LR121802
Left upper timing chain guide	LR121801
Center upper timing chain guide M6 bolts	LR073655

Description	Part No.
Left upper timing chain guide M8 bolt	LR123057
Blanking plug	LR073789
Oil filler neck o-ring	LR133542
High Pressure (HP) fuel pump bolts	LR128483
HP fuel pump o-ring	LR010861
Exhaust M8 nuts	RYH500350
Fuel rail bolts	LR128535



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.

SROs

Model	Engine	Description	SRO	Time
All	All	Inspect camshaft carrier - No further action	05.10.10	0.1
Range Rover	Ingenium I6 3.0L petrol Plug-in Hybrid Electric Vehicle (PHEV)	Inspect and renew camshaft carrier	12.13.49	8.8
Range Rover - Right hand drive	Ingenium I6 3.0L petrol Mild Hybrid Electric Vehicle (MHEV)	Inspect and renew camshaft carrier	12.13.49	12.6
Range Rover - Left hand drive	Ingenium I6 3.0L petrol MHEV	Inspect and renew camshaft carrier	12.13.49	12.8
Range Rover Sport	Ingenium I6 3.0L petrol PHEV	Inspect and renew camshaft carrier	12.13.49	8.7
Range Rover Sport - Right hand drive	Ingenium I6 3.0L petrol MHEV	Inspect and renew camshaft carrier	12.13.49	12.7
Range Rover Sport - Left hand drive	Ingenium I6 3.0L petrol MHEV	Inspect and renew camshaft carrier	12.13.49	12.9
Discovery	Ingenium I6 3.0L petrol	Inspect and renew camshaft carrier	12.13.49	12.2
Defender	Ingenium I6 3.0L petrol	Inspect and renew camshaft carrier	12.13.49	11.6
Range Rover Velar	Ingenium I6 3.0L petrol	Inspect and renew camshaft carrier	12.13.49	8.8
All	All	Drive in/drive out	02.02.02	0.2



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.

Warranty Information

Warranty claims should be submitted quoting program code N763 with the relevant option code from the table below. As option codes are used there is no requirement for you to enter SROs or parts, these are included for information only.

Program Code	Option	Model	Description	SRO	Time	Part No.	Qty.
N763	A	All	Inspect camshaft carrier - No further action	05.10.10	0.1	N/A	N/A
N763	B	All	Inspect camshaft carrier - No further action Drive in/drive out	05.10.10 02.02.02	0.1 0.2	N/A	N/A
N763	C	Range Rover Range Rover Sport Discovery Defender	Inspect and renew camshaft carrier	12.13.49	See above	LR121760 LR166794 LR121753 LR121800 LR121761 LR105428 LR178889 LR178970 LR135872 LR162995 LR121356	1 1 1 1 1 6 1 1 1 1 1 1

Program Code	Option	Model	Description	SRO	Time	Part No.	Qty.
						LR148214 LR175780	2 2
N763	D	Range Rover Range Rover Sport Discovery Defender	Inspect and renew camshaft carrier Drive in/drive out	12.13.49 02.02.02	See above 0.2	LR121760 LR166794 LR121753 LR121800 LR121761 LR105428 LR178889 LR178970 LR135872 LR162995 LR121356 LR148214 LR175780	1 1 1 1 1 6 1 1 1 1 1 2 2
N763	E	Range Rover Velar	Inspect and renew camshaft carrier	12.13.49	See above	LR121760 LR166794 LR121753 LR121800 LR121761 LR105428 LR178889	1 1 1 1 1 6 1
N763	F	Range Rover Velar	Inspect and renew camshaft carrier Drive in/drive out	12.13.49 02.02.02	See above 0.2	LR121760 LR166794 LR121753 LR121800 LR121761 LR105428 LR178889	1 1 1 1 1 6 1



NOTE: The option that contains the drive in/drive out allowance may only be claimed when the vehicle has been brought back into the workshop for this action alone to be undertaken.

Warranty claims should be submitted in accordance with the current [Jaguar Land Rover \(JLR\) Global Warranty Manual](#), and its amendments, unless stated otherwise in this bulletin.

Customer Reimbursement and Related Damage Process



NOTE: If there is a requirement to claim for related/consequential damage or customer reimbursement, refer to the related instruction that can be found in TOPIx (in the Search box, search for 'Related Damage Claim' and open the related bulletin link).

Table of Contents

[REMOVAL AND INSTALLATION: SERVICE INSPECTION](#)
[REMOVAL AND INSTALLATION: SERVICE INSTRUCTION](#)

SERVICE INSPECTION

NOTES:



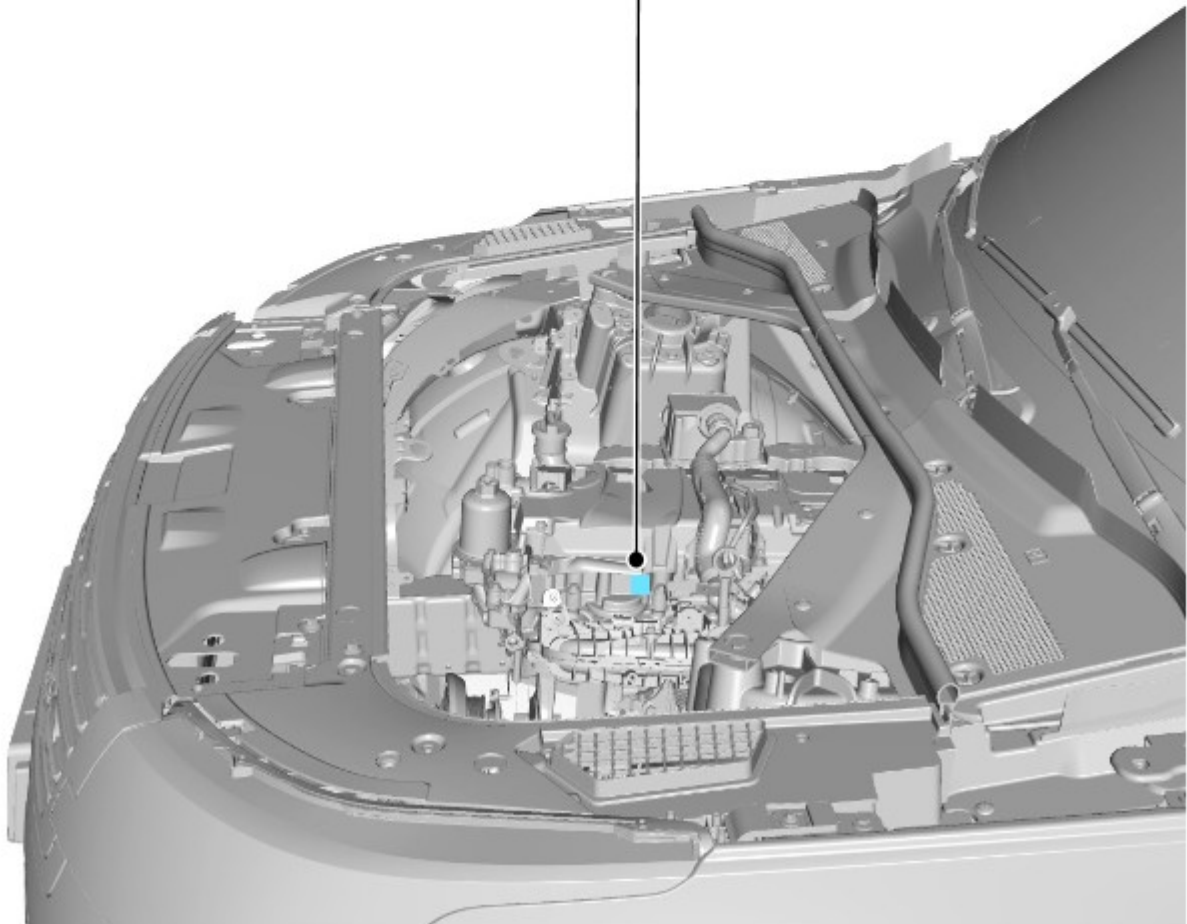
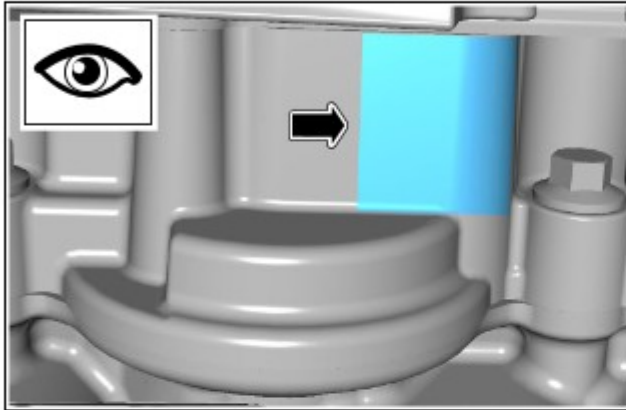
Some variation in the illustrations may occur, but the essential information is always correct.



Some components shown removed for clarity.

1. Remove the left air filter outlet pipe, (see TOPIx Workshop Manual section 303-12: Intake Air Distribution And Filtering - Ingenium I6 3.0l Petrol - Removal and Installation - Left Air Filter Outlet Pipe).

2. Locate the highlighted area of the camshaft carrier shown in the illustration.



E323282

3. Inspect the camshaft carrier tooling stamp using steps 4 to 7 below for reference.

The 3 illustrations below show 3 **INDIVIDUAL** failure conditions.

If **ANY** of the 3 **INDIVIDUAL** failure conditions are present, **then the vehicle has failed the inspection.**

Vehicles which failed the inspection: Continue to the SERVICE INSTRUCTION below.

If **NONE** of the 3 **INDIVIDUAL** failure conditions are present, **then the vehicle has passed the inspection.**

Vehicles which passed the inspection: Install the left air filter outlet pipe and release the vehicle, (see TOPIx Workshop Manual section 303-12: Intake Air Distribution And Filtering - Ingenium I6 3.0l Petrol - Removal and Installation - Left Air Filter Outlet Pipe).

4. Steps 5, 6 and 7 show 3 **INDIVIDUAL** failure conditions.

5. The failure condition shown highlights 1 drilled tooling mark in the lower right side of the tooling stamp.

ONLY INSPECT FOR THE SPECIFIC DRILLED TOOLING MARK IN THE LOCATION HIGHLIGHTED BY THE ARROW WITHIN THE ILLUSTRATION. DISREGARD ANY TOOLING MARKS WHICH ARE NOT HIGHLIGHTED BY AN ARROW WITHIN THE ILLUSTRATION.

If the 1 drilled tooling mark in the lower right side of the tooling stamp is present, then the vehicle has failed the inspection.



6. The failure condition shown highlights 3 drilled tooling marks in the upper, middle and lower right side of the tooling stamp.

ONLY INSPECT FOR THE SPECIFIC DRILLED TOOLING MARKS IN THE LOCATIONS HIGHLIGHTED BY THE ARROWS WITHIN THE ILLUSTRATION. DISREGARD ANY TOOLING MARKS WHICH ARE NOT HIGHLIGHTED BY AN ARROW WITHIN THE ILLUSTRATION.

If the 3 drilled tooling marks in the upper, middle and lower right side of the tooling stamp are **ALL** present, then the vehicle has failed the inspection.



7. The failure condition shown highlights 2 drilled tooling marks in the upper and middle right side of the tooling stamp.

ONLY INSPECT FOR THE SPECIFIC DRILLED TOOLING MARKS IN THE LOCATIONS HIGHLIGHTED BY THE ARROWS WITHIN THE ILLUSTRATION. DISREGARD ANY TOOLING MARKS WHICH ARE NOT HIGHLIGHTED BY AN ARROW WITHIN THE ILLUSTRATION.

If the 2 drilled tooling marks in the upper and middle right side of the tooling stamp are **BOTH** present, then the vehicle has failed the inspection.



SERVICE INSTRUCTION

1. Renew the camshaft carrier, (see TOPIx Workshop Manual section 303-01: Engine - INGENIUM I6 3.0L PETROL - Removal and Installation - Camshaft Carrier).