

# SERVICE ACTION N481 - VARIABLE CAMSHAFT TIMING (VCT) SOLENOIDS



NAS20.11.002 | WORKSHOP  
ISSUE 2

CAN/USA

AFTERSALES BULLETIN  
DECEMBER 22, 2020

**NOTE: this bulletin updates all previous versions. Changes are highlighted in blue.**

## DESCRIPTION OF ISSUE

A potential issue has been identified on Land Rover certain vehicles with the INGENIUM I4 2.0L Petrol engine within the listed Affected Vehicle Range which may exhibit one or more of the following:

- Driveability flat spots;
- Malfunction Indicator Lamp (MIL) illuminated with Variable Camshaft Timing (VCT) Diagnostic Trouble Code(s) (DTC) stored in the Powertrain Control Module (PCM);
- Increased induction noise while driving; and/or
- A small reduction in performance.

## AFFECTED VEHICLE RANGE

Discovery Sport

Model Year: ..... 2018-2019

VIN: ..... 708388-833740

New Range Rover Evoque

Model Year: ..... 2020

VIN: ..... 000181-041625

Range Rover Evoque

Model Year: ..... 2018-2019

VIN: ..... 255258-354248

Range Rover Velar (INGENIUM I4 2.0L Petrol)

Model Year: ..... 2018-2020

VIN: ..... 700192-799996; 202041-244374

Range Rover Sport (INGENIUM I4 2.0L Petrol - PHEV)

Model Year: ..... 2018-2019

VIN: ..... 162191-166281; 807145-845249

Range Rover (INGENIUM I4 2.0L Petrol - PHEV)

Model Year: ..... 2018-2019

VIN: ..... 361214-364168; 509423-523709

Visit the British Brands Sales Suite (BBSS) website for a list of affected new vehicles at your retailer.

## SERVICE PROGRAM / REWORK ACTION

Retailers are to replace the VCT solenoids before vehicle handover to the customer. Affected vehicles already in the hands of customers should be updated at the next available opportunity.

There will be no charge to owners for this action under this program.

## ACTION TO BE TAKEN

Use the Jaguar Land Rover claims submission system to make sure that a vehicle is eligible for this program prior to undertaking any rework action.

Retailers are required to HOLD affected new vehicles that are within your control and refrain from releasing the vehicles for new vehicle sale pending completion of the rework action.

Refer to Technical Bulletin N481NAS, *Service Action: Variable Camshaft Timing (VCT) Solenoids*, for detailed repair instructions.

## PARTS

Use the Vehicle Identification Number (VIN) and the Electronic Parts Catalog (EPC) to confirm part number(s) necessary to perform repairs.

DESCRIPTION	PART NUMBER	QUANTITY
Variable Camshaft Timing (VCT) solenoid	LR126832	2
<b>Range Rover Sport, Range Rover only</b> Engine compartment brace - Bolt	LR037935	8

## TOOLS

Refer to Technical Bulletin noted above for any required tools.

## WARRANTY

**NOTE:** use the Jaguar Land Rover claims submission system to make sure that a vehicle is affected by this program prior to undertaking any rework action.

At the time of confirming a booking for vehicle repair, make sure that all outstanding Recall and Service Actions are identified to make sure the correct parts are available and adequate workshop time is allocated for repairs to be completed at one visit.

Warranty claims must be submitted quoting the Program Code together with the relevant Option Code. The SRO and parts information is included for information only. The Option Code(s) that allows for the drive in/drive out allowance can only be claimed if the vehicle is brought back into the workshop for this action alone to be undertaken.

Repair procedures are under constant review and therefore times / prices are subject to change; those quoted here must be taken as guidance only. Use TOPIx to obtain the latest repair time.

This program is valid for a limited time only. Warranty claims with a repair date prior to the October 31, 2022 closure date must be submitted for payment within 30 calendar days of completion of the repair.

PROGRAM CODE	OPTION CODE	DESCRIPTION	SRO	TIME (HOURS)	PART(S)	QUANTITY
<b>N481</b>	<b>Discovery Sport, Range Rover Evoque, Range Rover Velar A</b>	Variable Camshaft Timing Solenoid - Engine Set - Renew	18.31.51	Discovery Sport: ..... 0.3 Range Rover Evoque: .. 0.3 Range Rover Velar: ..... 0.6	LR126832	2
<b>N481</b>	<b>Discovery Sport, Range Rover Evoque, Range Rover Velar B</b>	Variable Camshaft Timing Solenoid - Engine Set - Renew Drive in/drive out	18.31.51 02.02.02	Discovery Sport: ..... 0.3 Range Rover Evoque: ... 0.3 Range Rover Velar: ..... 0.6 All: ..... 0.2	LR126832 -	2 -
<b>N481</b>	<b>Range Rover Sport, Range Rover C</b>	Variable Camshaft Timing Solenoid - Engine Set - Renew	18.31.51	0.8	LR126832 LR037935	2 8

PROGRAM CODE	OPTION CODE	DESCRIPTION	SRO	TIME (HOURS)	PART(S)	QUANTITY
N481	Range Rover Sport, Range Rover D	Variable Camshaft	18.31.51	0.8	LR126832	2
		Timing Solenoid -			LR037935	8
		Engine Set - Renew				
		Drive in/drive out	02.02.02	0.2	-	-

*Normal Warranty policies and procedures apply.*