



# TECHNICAL BULLETIN

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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: 307-05**

### Transmission Control Switch Module DTC Diagnostics

#### **AFFECTED VEHICLE RANGE:**

<b>Range Rover Evoque (LV)</b>	<b>Model Year:</b>	<b>2012 Onwards</b>
	<b>VIN:</b>	<b>CH000447 Onwards</b>
<b>Range Rover (LG)</b>	<b>Model Year:</b>	<b>2013 Onwards</b>
	<b>VIN:</b>	<b>DA100000 Onwards</b>

#### **MARKETS:**

NAS

#### **CONDITION SUMMARY:**

##### **Situation:**

The Transmission Control Switch (TCS) may fail to rise, fail to rotate out of Park (P), and/or fail to rotate between gears. This bulletin is to aid in diagnosing of Diagnostic Trouble Codes (DTC) for the Transmission Control Switch (TCS) module.



**NOTE: The Transmission Control Switch (TCS) may also be referred to as:**

- Electronic Transmission Switch (ETS)
- Gear Selector Module (GSM)
- Transmission Range Selector (TRS)
- Transmission Rotary Switch (TRS)
- Transmission Shift Module (TSM)



**NOTE: Use the table below to assist with the diagnosing of the various Diagnostic Trouble Codes (DTC).**



**NOTE: Repairs to be carried out as a separate claim.**

**Cause:** These may be caused by various issues which make the TCS fail to operate.

**Action:** In the event of a customer concern of the above, refer to the Diagnostic Procedure outlined below.

**PARTS:**

No Parts Required

**TOOLS:**

IDS with latest IDS-DVD and Calibration File  
 Jaguar Land Rover-approved Midtronics Vehicle Power Supply

**WARRANTY:****NOTE: Repairs to be carried out as a separate claim.****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
Read and clear fault codes	<b>12.90.16</b>	0.20	42	LR031789

**NOTE: Normal Warranty policies and procedures apply.****DIAGNOSTIC PROCEDURE:**

Use the Diagnostic Trouble Codes (DTC) table below for the Transmission Control Switch (TCS) module fault diagnosis.

**NOTE: 'X' = DO NOT REPLACE TCS module - Perform the diagnostics specified in SDD/TOPIx Workshop Manual section 100-00 Diagnostics.****NOTE: 'Y' = Replace the TCS module.****NOTE: '0' = Step 1: Perform diagnostics specified in SDD/TOPIx Workshop Manual section 100-00 Diagnostics. Step 2: Clear All DTC; cycle the ignition; engage Drive (D); return to the Park (P) position; test with SDD. Step 3: If Steps 1 and 2 do not resolve issue, replace TCS module.**

Diagnostic Trouble Code (DTC)	Transmission Control Switch (TCS) Module - Intermittent DTC	Transmission Control Switch (TCS) Module - Permanent DTC	Transmission Control Module (TCM) - Intermittent DTC	Transmission Control Module (TCM) - Permanent DTC
P176A-01	X	Y	X	X
P176A-13	X	Y	X	X
P176A-19	X	Y	X	X
P176A-94	X	Y	X	X
P176B-71	X	Y	X	X
P176C-07	X	0	X	X
P176C-11	X	Y	X	X
P176C-12	X	Y	X	X
P176C-73	X	0	X	X
B1087-87	X	X	X	X

U101B-87	X	X	X	0
P0814-01	X	Y	X	0
P0850-02	X	X	X	X
P1707-07	X	X	X	X
P1707-72	X	X	X	X
P1707-77	X	X	X	X
P0606-47	X	X	X	X
P0919-93	X	X	X	X
C1B00-68	X	X	X	X
P0850-29	X	X	X	X
P081C-64	X	X	X	X

-  **CAUTION: Ensure all ignition 'ON' / ignition 'OFF' requests are carried out; failure to perform these steps may cause damage to control modules in the vehicle.**

 **CAUTION: A Jaguar Land Rover-approved Midtronics Vehicle Power Supply must be connected to the vehicle battery during IDS/SDD diagnosis / module programming.**

Connect a Jaguar Land Rover-approved power supply to the vehicle.

- Turn the ignition 'ON' (engine not running).
- Connect the Integrated Diagnostics System (IDS) to the vehicle and begin a new Symptom Driven Diagnostics (SDD) session.
- Read DTCs; carry out actions as per the table above.
- Clear all DTCs.
- Exit the current session.
- Disconnect the IDS and the battery conditioner/power supply from the vehicle.