

Reference	SSM73847
Models	Discovery / L462 Range Rover / L405 Range Rover Sport / L494 Range Rover Velar / L560
Title	Flashing 'D' on Transmission Control Switch Following ECO Stop/Start Event DTCs P0715-64 & P0700-02
Category	Driveline
Last modified	11-Apr-2018 00:00:00
Symptom	501000 Automatic Transmission Concerns
Content	<u>Issue:</u> Customer may complain that – 1. Gearbox fault is displayed on the Instrument Cluster (IC) 2. Flashing 'D' on the Transmission Control Switch and/or Instrument Cluster (IC) following an ECO Stop/Start event. ONLY DTCs P0715-64 and P0700-02 are stored in the Transmission Control Module (TCM). P0715-64 - Input/Turbine Shaft Speed Sensor "A" Circuit - signal plausibility failure P0700-02 - Transmission Control System (MIL Request) - general signal failure If there are any other DTCs stored in the TCM they must be investigated and rectified prior to carrying out the instruction detailed in this SSM. Refer to the DTC index on TOPIx – 100-00 General Information – Diagnostic Trouble Code Index DTC: Transmission Control Module (TCM) NOTE – The concern detailed in this SSM is applicable to 2017 and 2018 MY vehicles and typically occurs at low mileage (<i>below 2500 miles/4000 kilometres</i>) and affects vehicles fitted with the 8HP45 or 8HP70 automatic transmission. <u>Cause:</u> Error in the TCM software (<i>adaption learn will permanently resolve the concern if the issue is a TCM software error</i>), or a fault in the mechatronic valve block assembly installed in the transmission. <u>Action:</u> • Check the DTCs stored in the TCM.

- If **ONLY** DTC P0715-64 and P0700-2 are stored then using Pathfinder clear the DTCs.
- Carry out an adaption drive cycle using Pathfinder so that a minimum of 3 counts are achieved for each clutch. Select ECU Diagnostics – Transmission Control Module (TCM) – Transmission control module adaption learn.
- If no issue remains on conclusion of the adaption learn release the vehicle.
- If a concern remains capture a readout of the adaption data from the TCM and submit this information along with the session file linked to this concern via a Technical Assistance so the information can be reviewed by a ZF Transmission Engineer.

SRO Number – 44.90.11 – ZF Transmission Adaption Drive Cycle - 0.8hrs

This SSM will be updated with closing vins when the new software to prevent the issue occurring is introduced into Production.

Technicians - Please rate this SSM and provide comments so that future communications can be improved.

1 = Poor – Basic information provided – The SSM does not help me resolve the customer concern.

3 = Average – Adequate information provided – The SSM partially helps me resolve the customer concern.

5 = Excellent – All required information provided to resolve the customer concern.