ZF Trouble Shooting Guide

JLR 13 38 10_2E

General Information

The ZF Trouble Shooting Guide (TSG) is a knowledge-based system. It is designed to aid diagnosis of transmission-related faults which have previously been encountered with ZF products in Land Rover applications.

The guide is intended to cover 6 speed transmission vehicles, which include the following;

- L319 Discovery
- L320 Range Rover Sport
- L322 Range Rover

This file is intended as a supplement to the workshop manuals; specifically to accompany the Description & Operation, and Diagnosis and Testing sections.

It covers problems with both the transmissions themselves, and vehicle-related problems.

It has been compiled using information learned from investigations during assembly, field cases and at dealerships. The guide is a supplement based on 'real time' field issues and as such it will be updated on a regular basis.

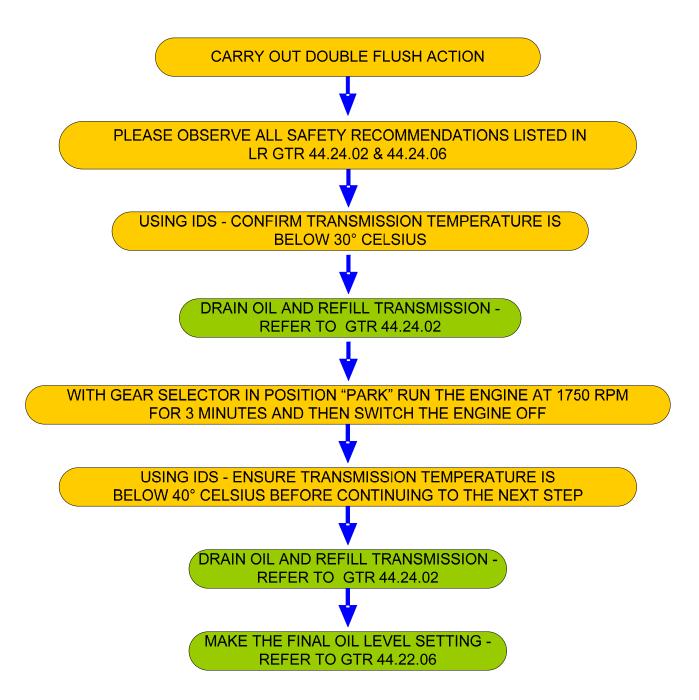
If you have comments or questions relating to this publication please use the 'contact us' button on GTR.

November

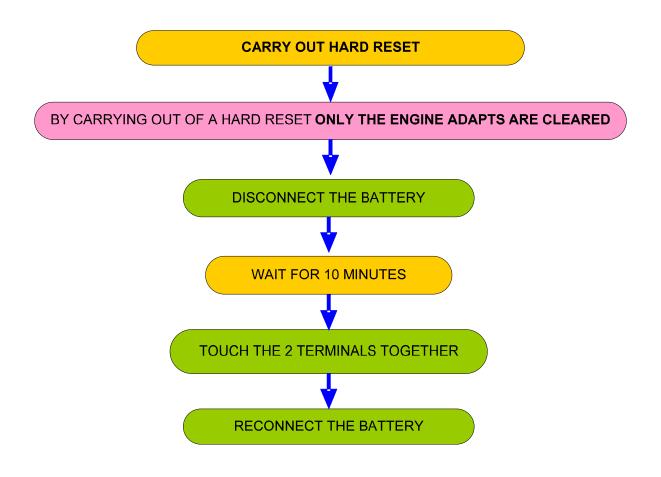
2007

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Carry Out Double Flush Action



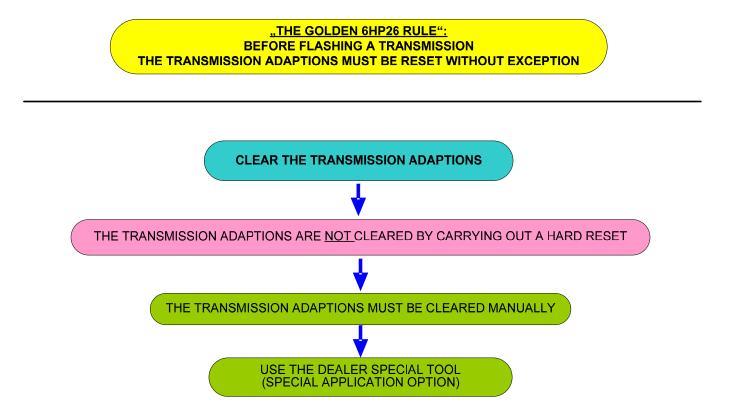
Carry Out Hard Reset (Battery) – Clear Engine Adaptions



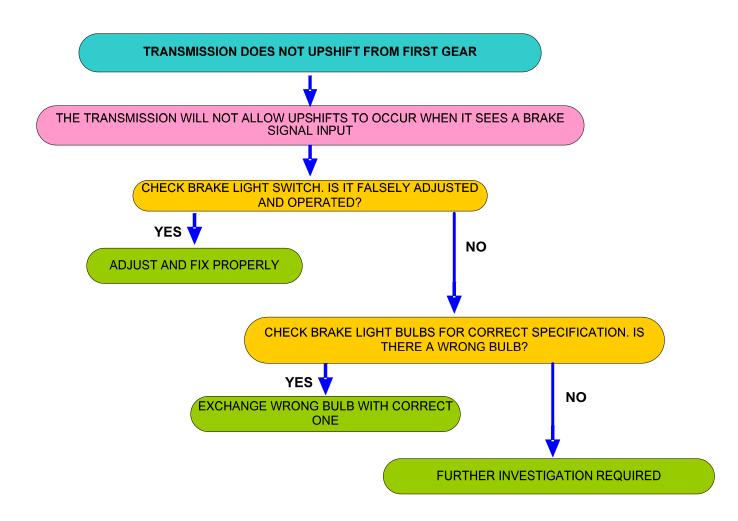
THE TRANSMISSION ADAPTIONS ARE <u>NOT</u> CLEARED BY CARRYING OUT A HARD RESET



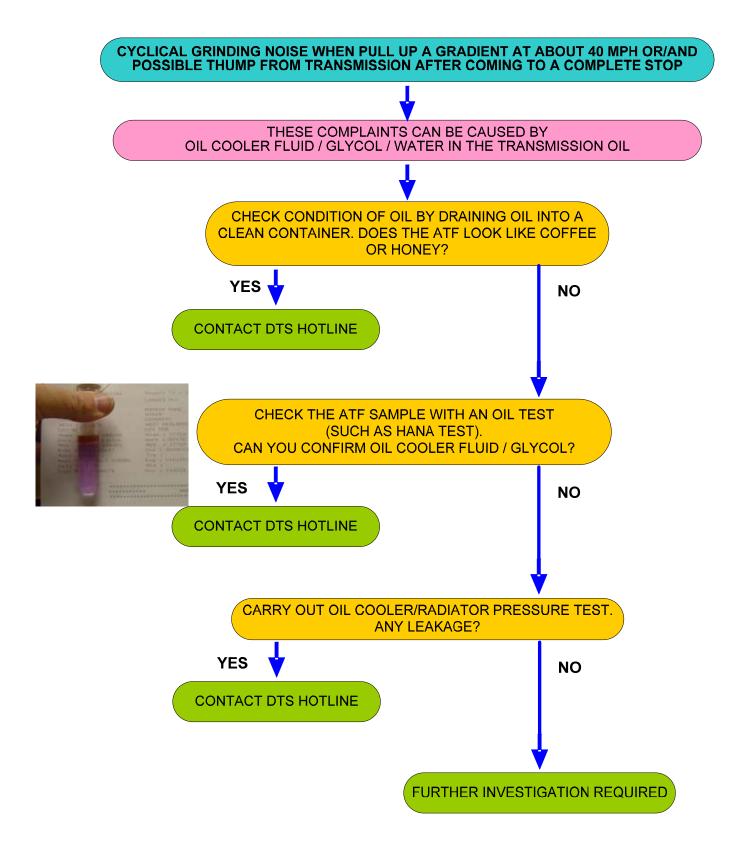
Clear Transmission Adaption Values (with Dealer Special Tool)

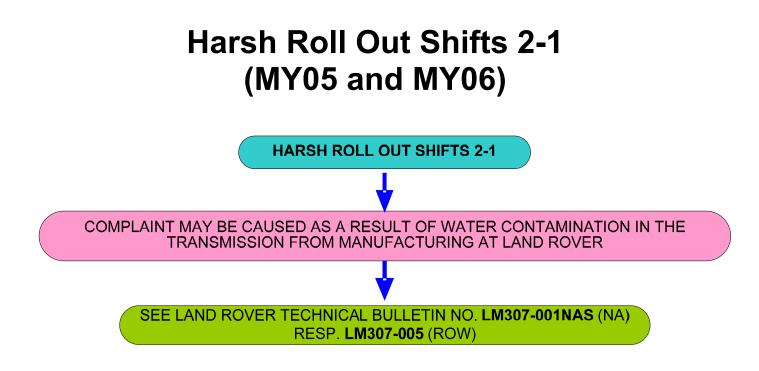


Does Not Upshift From First Gear

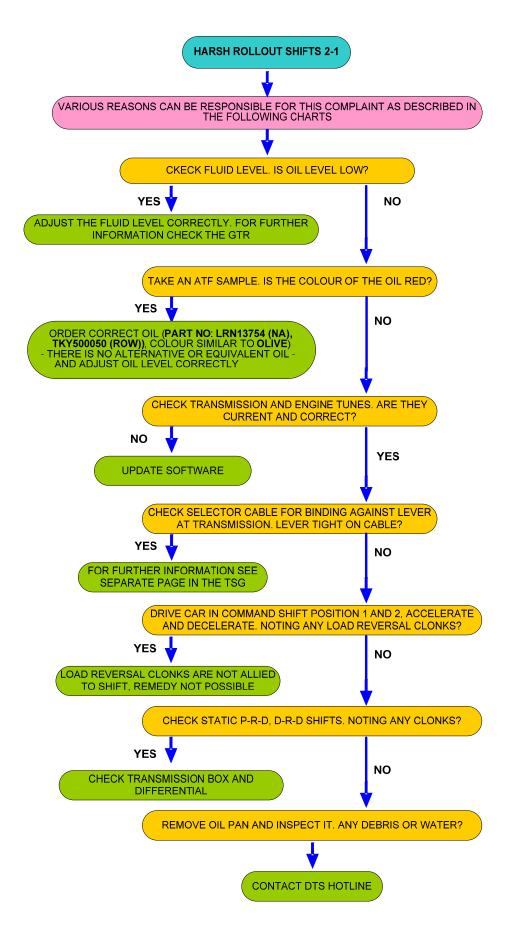


Grinding Noise At Constant Speed

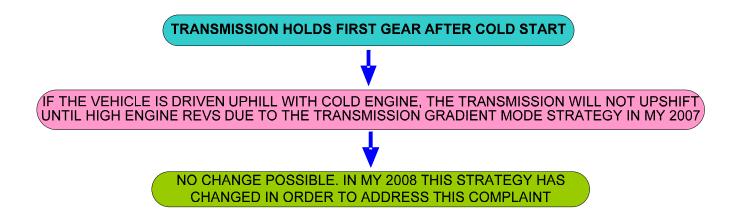




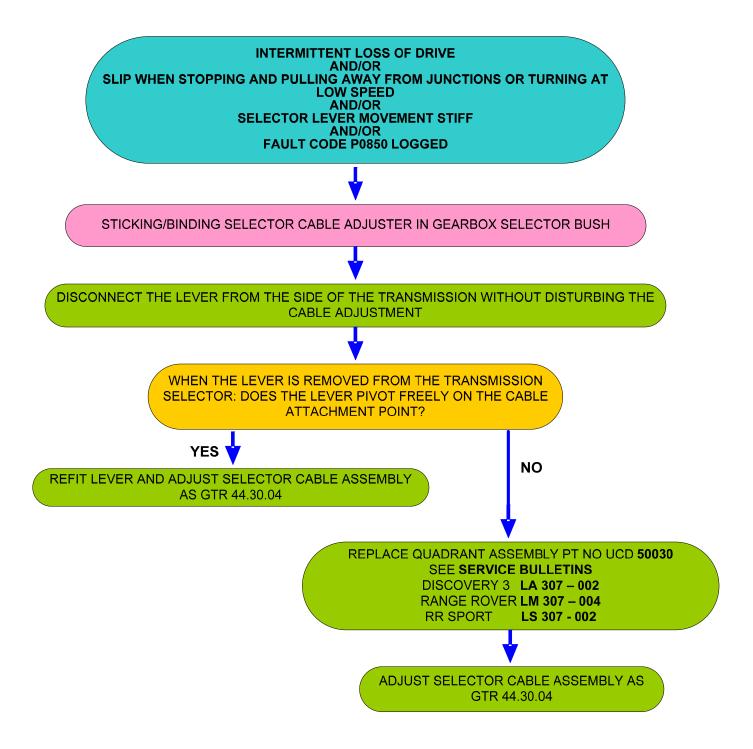
Harsh Roll Out Shifts 2-1



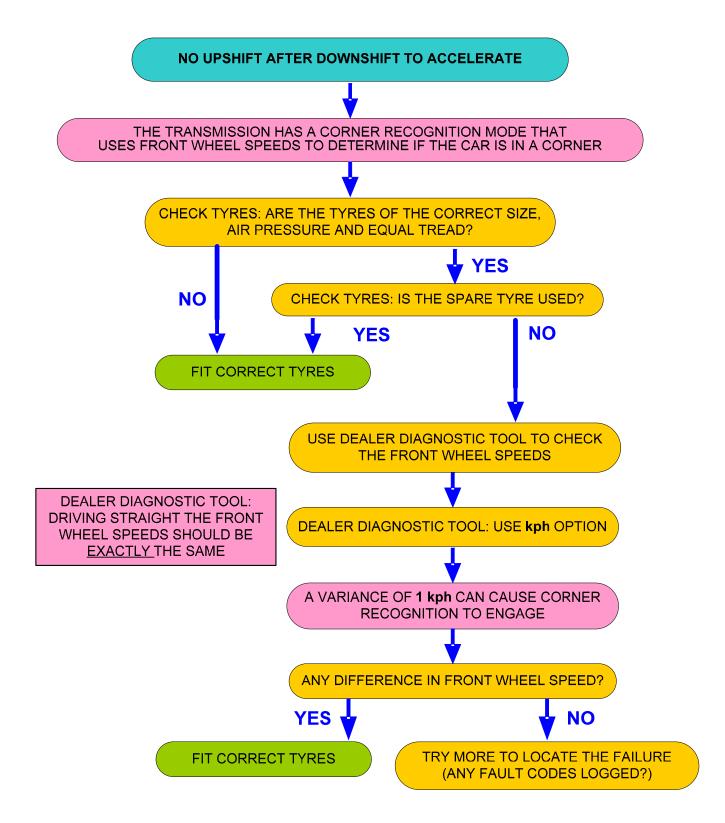
Holds 1st Gear After Cold Start (MY07)



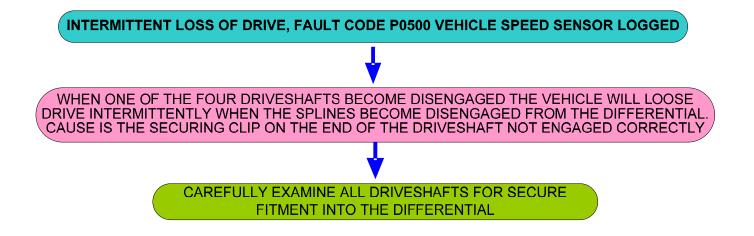
Intermittent Slip – Transmission Switches To N - Bump - Jerky - Selector Lever



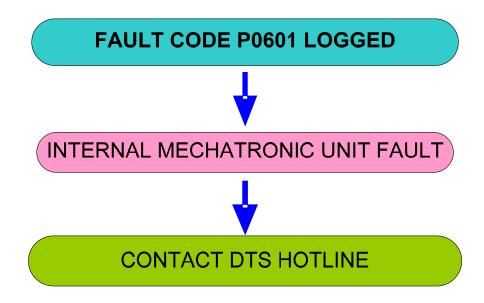
No Upshift After Acceleration

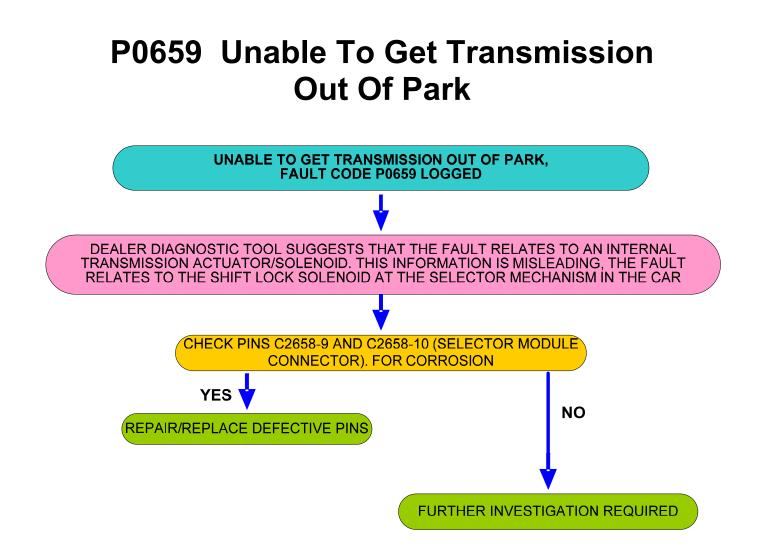


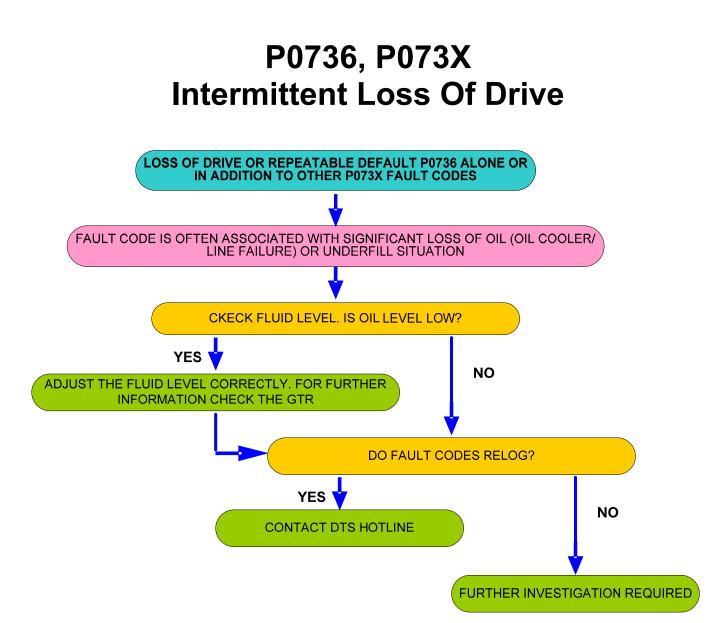
P0500 Vehicle Speed Sensor – Intermittant Loss Of Drive



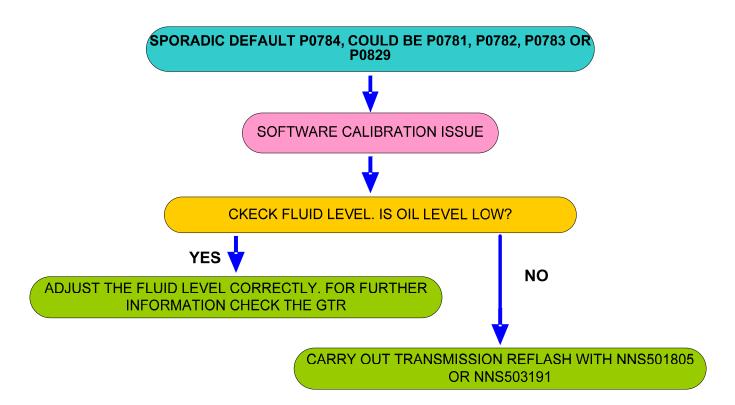
P0601 Internal Mechatronic Unit Fault (07MY)



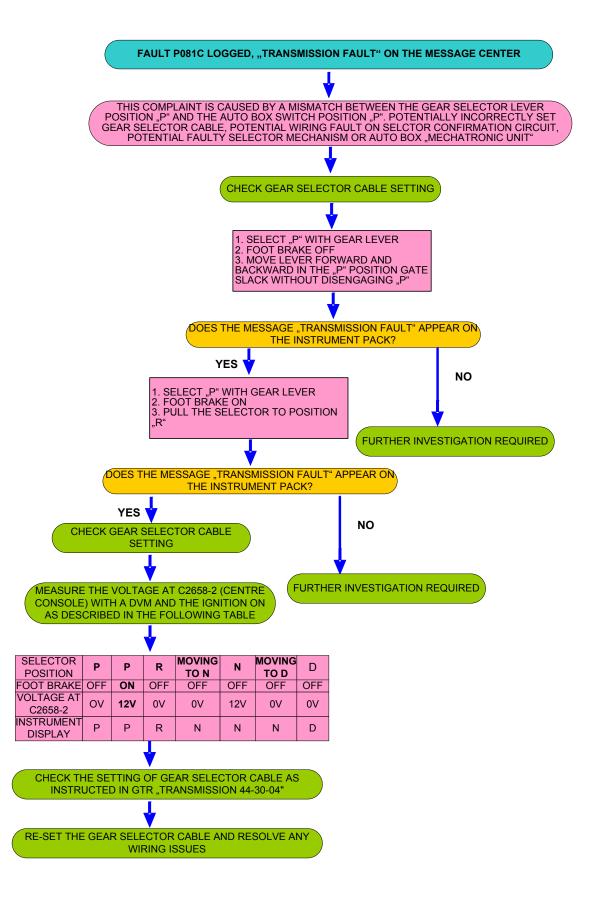




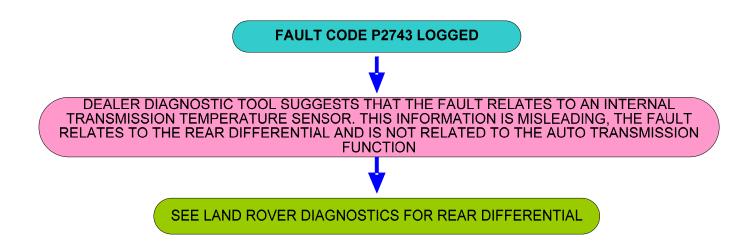
P0784, P078X, P0829 Sporadic Fault (MY05 and MY06)



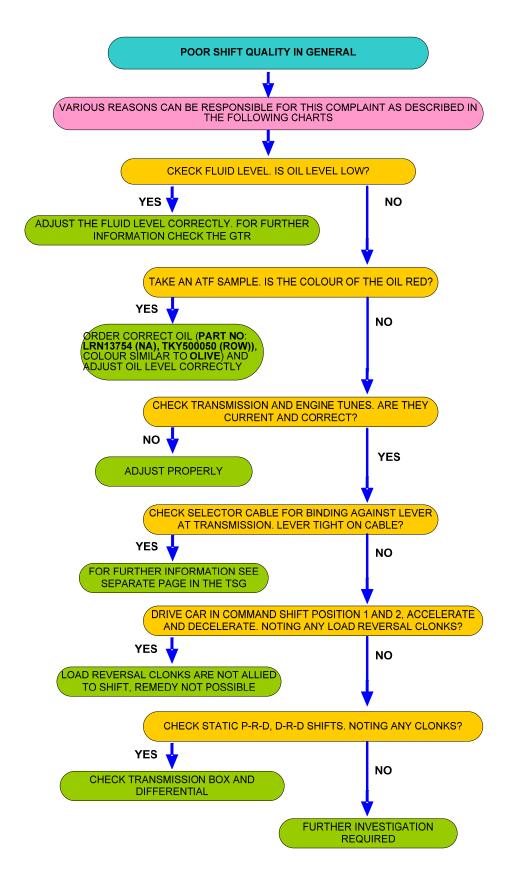
P081C Transmission Fault On Message Centre – Selector Cable



P2743 Rear Differential – Not Transmission Temperature Sensor

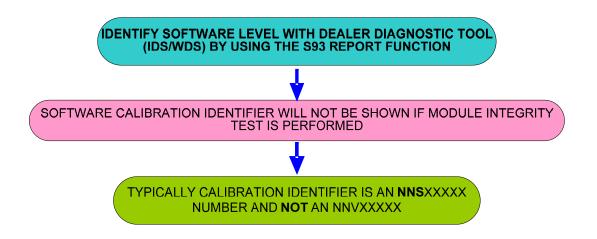


Poor Shift Quality (General)

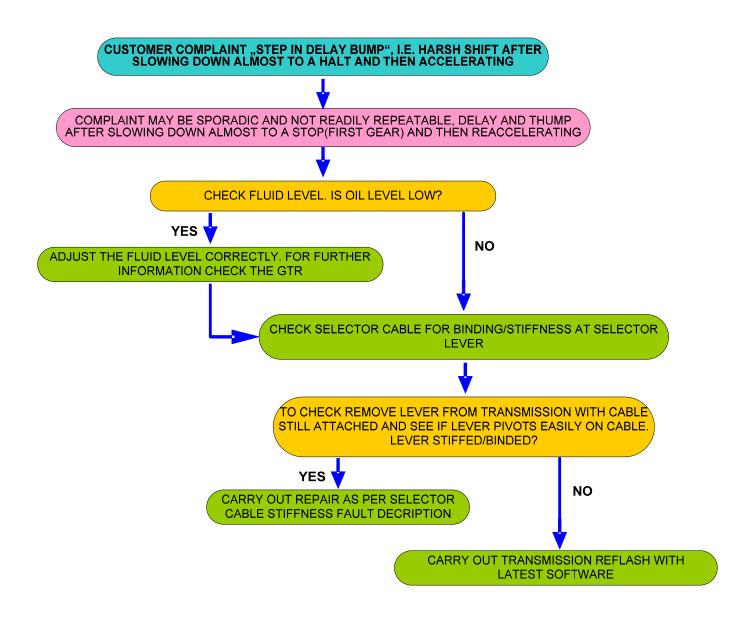


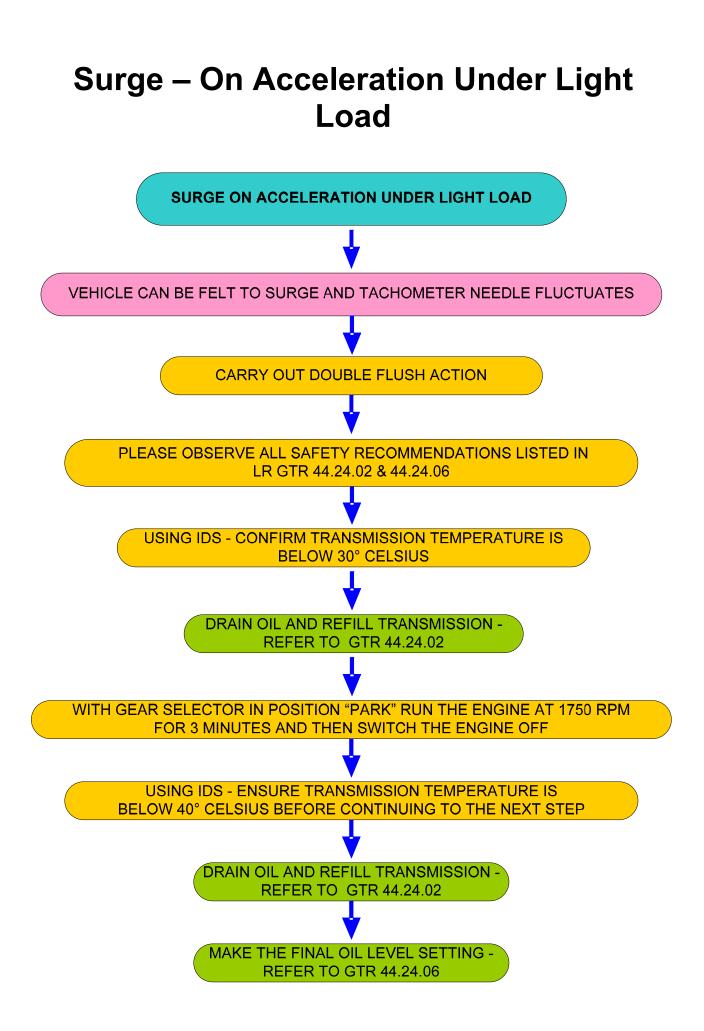
Software Calibration Identification

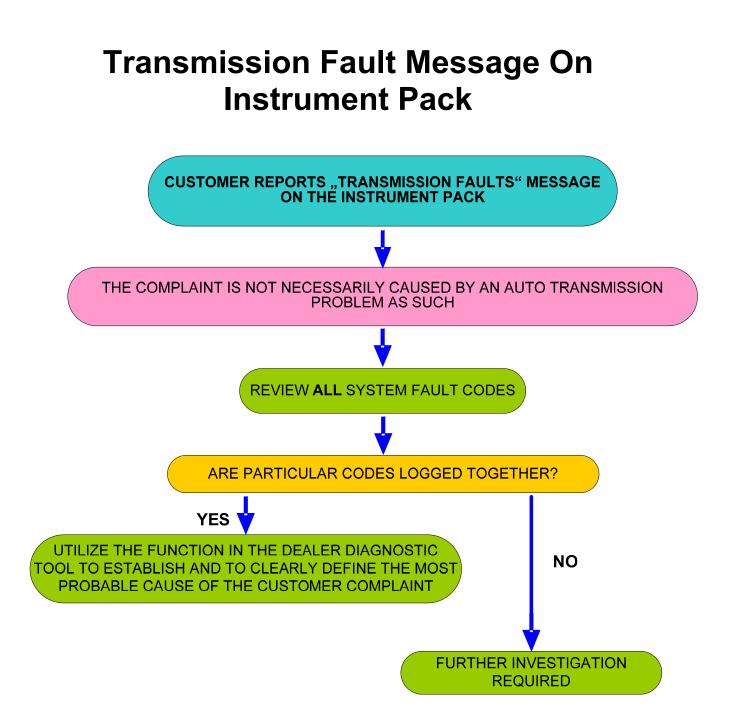
<u>"THE GOLDEN 6HP26 RULE":</u> BEFORE FLASHING A TRANSMISSION THE TRANSMISSION ADAPTIONS MUST BE RESET WITHOUT EXCEPTION



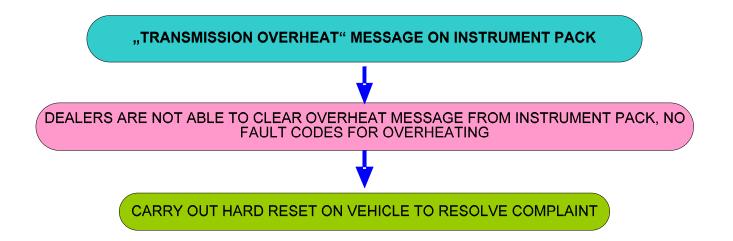


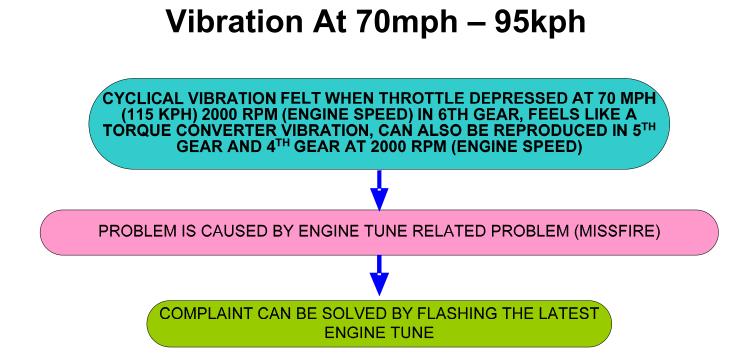






Transmission Overheat - Message





ZF Trouble Shooting Guide General Information (All Applications) ZF Trouble Shooting Guide General Information (This Application Only)