ZF Trouble Shooting Guide JLR 13 18 10_3E

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 Jaguar applications.

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

X100	XK Series
X150	New XK/ XK/ XKR
X200	S-Type
X250	XF
X350	XJ

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.

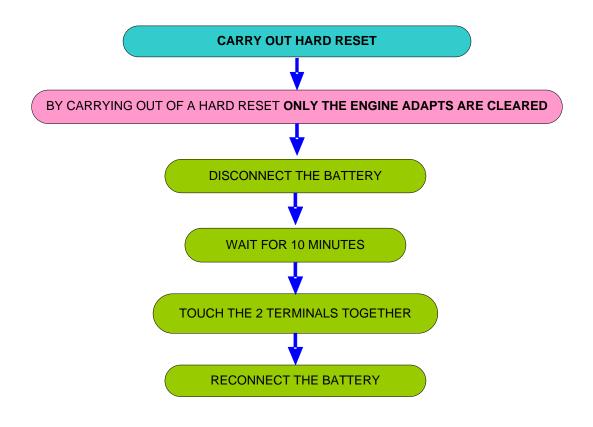
It has been compiled using information learned from investigations during assembly, field cases and at dealerships. The guide is a supplement based on 'real time' field issues and as such it will be updated on a regular basis.

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

September 2007

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CARRY OUT HARD RESET – CLEAR ENGINE ADAPTIONS

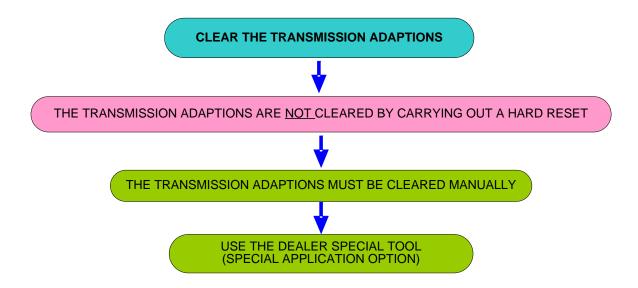


THE TRANSMISSION ADAPTIONS ARE <u>NOT</u> CLEARED BY CARRYING OUT A HARD RESET

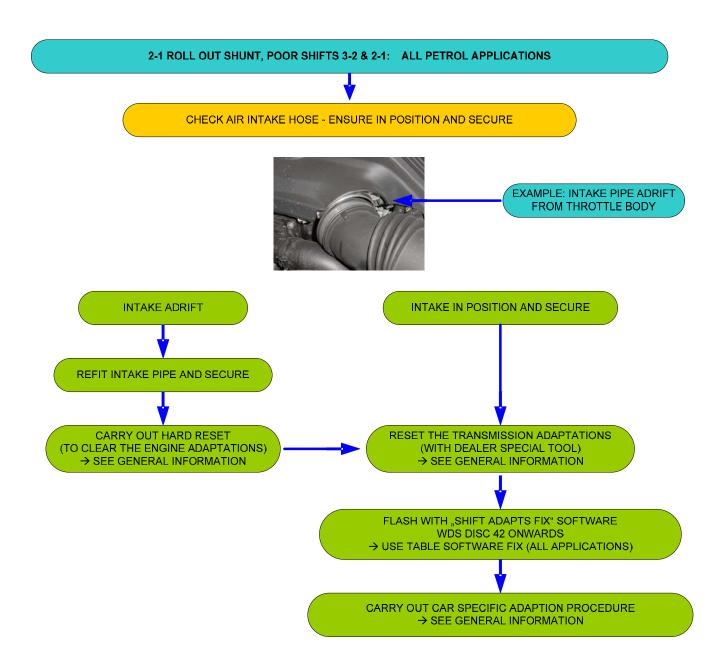
THE TRANSMISSION ADAPTIONS
MUST BE CLEARED BY USING
THE DEALER SPECIAL TOOL
(SPECIAL APPLICATION OPTION)

CLEAR THE TRANSMISSION ADAPTATION VALUES

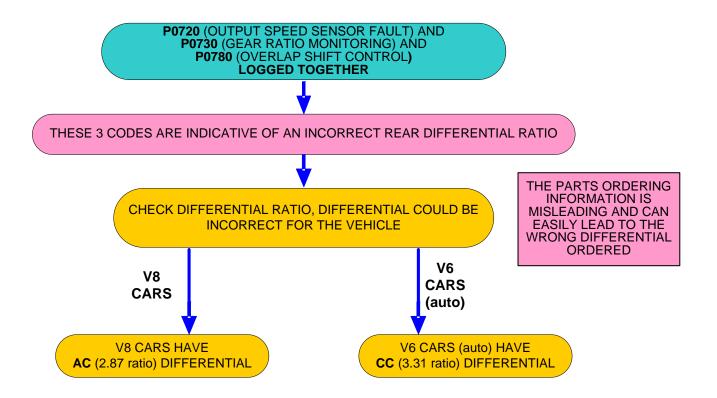
"THE GOLDEN 6HP26 RULE":
BEFORE FLASHING A TRANSMISSION
THE TRANSMISSION ADAPTIONS MUST BE RESET WITHOUT EXCEPTION



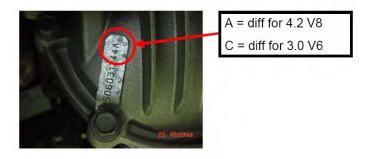
2_1 ROLL OUT SHUNT ON PETROL CARS



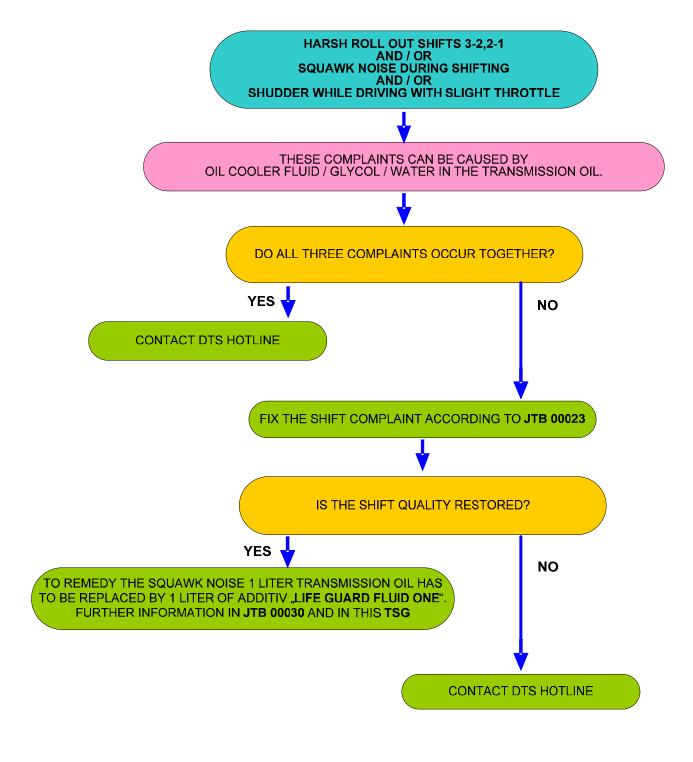
FAULT CODES P0720, P0730, P0780 LOGGED (DIFF)



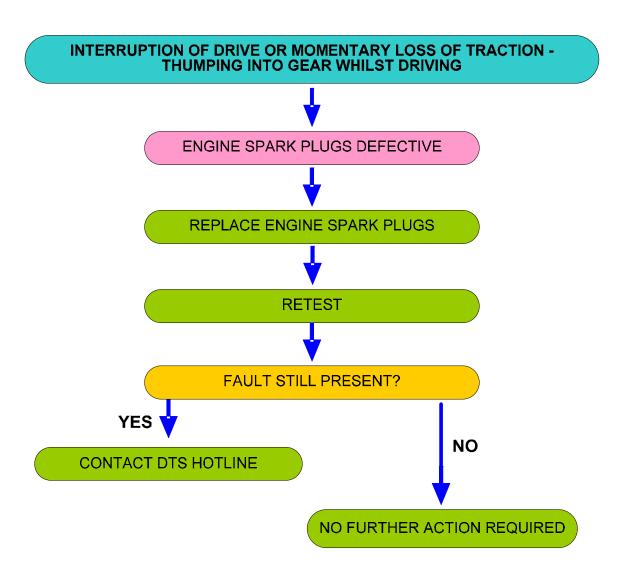
Differential identification



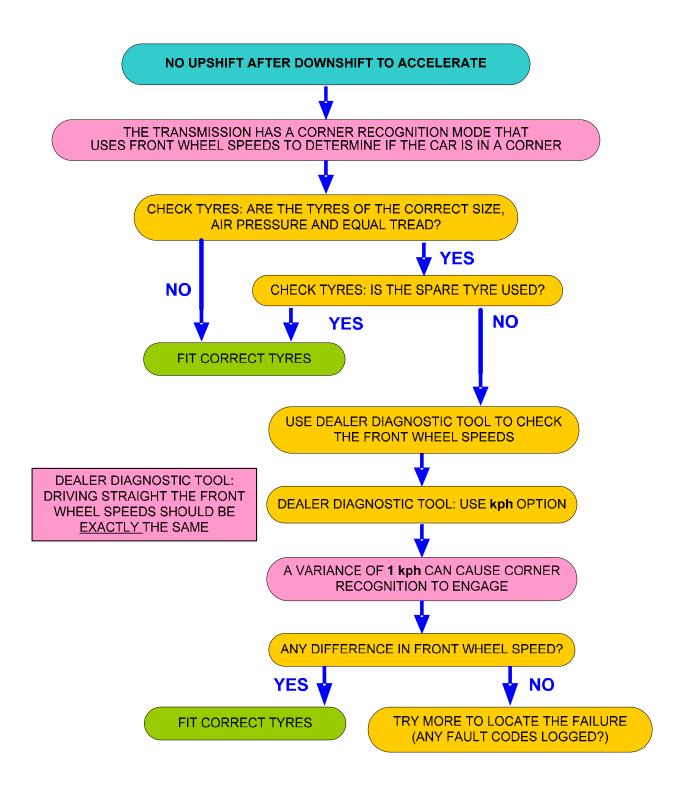
HARSH ROLL OUT SHIFTS AND/OR SQUAWK NOISE AND/OR SHUDDER



INTERRUPTION OF DRIVE OR MOMENTARY LOSS OF TRACTION - THUMPS



NO UPSHIFT AFTER ACCELERATION



SQUAWK NOISE SHIFTING IN OR OUT 3RD GEAR (ADDITIVE)

THE NOISE IS CAUSED BY CHANGES IN THE SLIPPAGE CHARACTERISTIC OF THE TRANSMISSION OIL

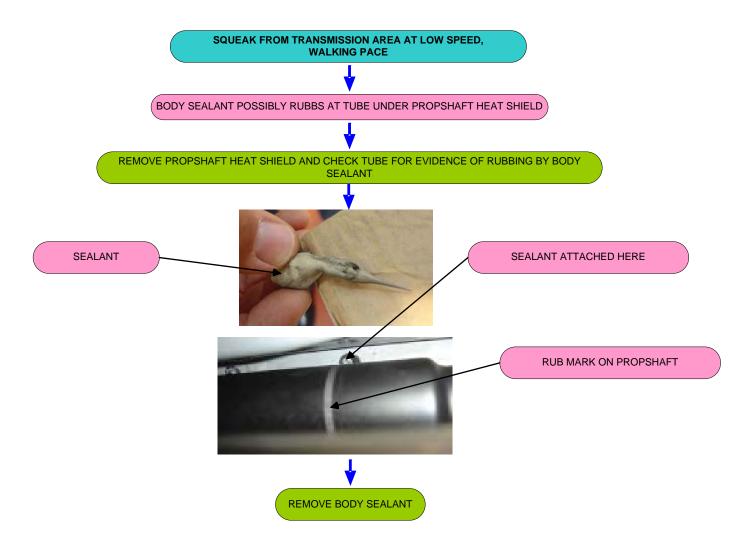
1 LITER TRANSMISSION OIL HAS TO BE REPLACED BY 1 LITER OF ADDITIV "LIFE GUARD FLUID ONE" (PART NO.: C2C 37157; ZF NO.: S671.090.2889

REFER TO JAGUAR SERVICE BULLETIN JTB00040V3 FOR EXCHANGE PROCEDURE AND CHECK VIN RANGE IF USE OF ADDITIV IS ALLOWED!

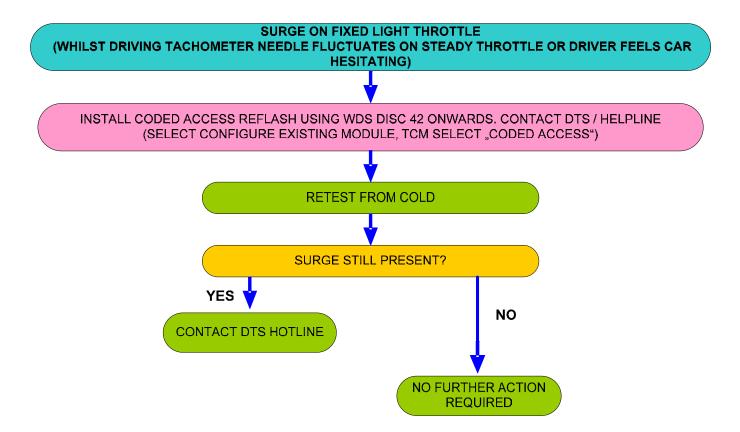
AFTER EXCHANGE PROCEDURE CHECK FLUID LEVEL AGAIN

REFILL TRANSMISSION WITH OIL IF NECESSARY. FOR CHECKING FLUID LEVEL REFER TO GTR WORKSHOP MANUAL SECTION 307-01

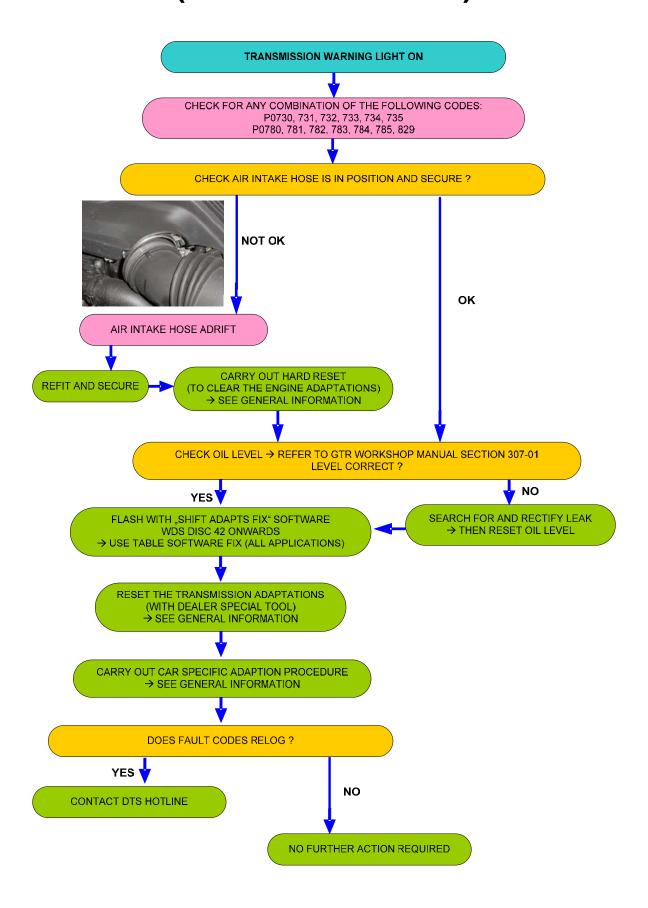
SQUEAK FROM TRANSMISSION AREA AT LOW SPEED (WALKING PACE)



SURGE ON FIXED LIGHT THROTTLE



TRANSMISSION WARNING LIGHT ON (NA AND SC CARS)

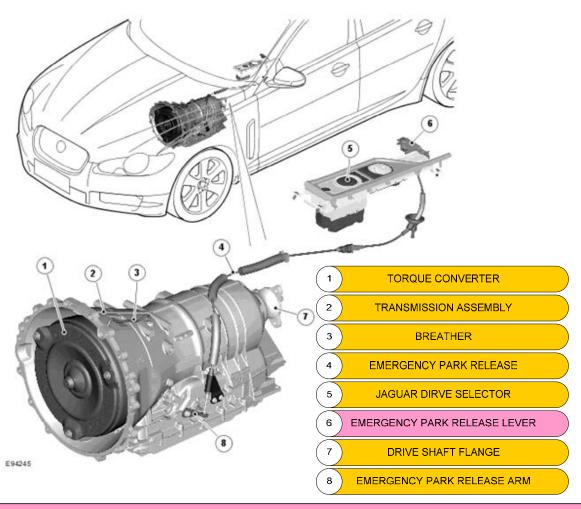


ZF Trouble Shooting Guide General Information (All Applications)

ZF Trouble Shooting Guide General Information (This Application Only)

DRIVE SELECTOR AND EPR

X250 - COMPONENT LOCATION
DRIVE SELECTOR (SHIFT BY WIRE) AND EMERGENCY PARK RELEASE



WHEN THE TRANSMISSION IS FUNCTIONING CORRECTLY AND THE EMERGENCY PARK RELEASE LEVER IS PULLED TO ALLOW MOVEMENT OF THE VEHICLE - IF THE IGNIGION IS KEYED ON - DTC 1707-77 WILL BE ACTIVATED.

THIS IS **NOT** A TRANSMISSION FAULT.

THE EMERGENCY RELEASE LEVER IS DESIGNED TO BE USED ONLY IN EVENT OF ENGINE NON START ELECTRICAL FAILURE OR PERMANENT TRANSMISSION DEFAULT.

SOFTLOCK FUNCTION

