



XJ range

DATE 02/05

XJ307-06

SERVICE

TECHNICAL BULLETIN

Harsh Transmission Shifts –
Adaptive Shift Strategy Drift –
Reprogram TCM & ECM

MODEL 2004 MY
XJ range

VIN G00442-G13694

Issue:

On some 2004 XJ range vehicles within the above VIN range, customers may have a concern of harsh transmission shifts, particularly 3-2, 2-1 roll out and 1-2 up-shifts.

This can be caused by the adaptive shift strategy drifting over time, causing higher than normal clutch pressures.

To eliminate this concern, the transmission adaptations must be cleared and the Transmission Control Module (TCM) and the Engine Control Module (ECM) must be reconfigured using the Worldwide Diagnostic System (WDS) with software release JTP 759 **CD36 or later**.

Action:

In case of a verified customer complaint of the above condition, follow the procedure below.

SERVICE INSTRUCTION

1. Position WDS alongside vehicle, switch Portable Test Unit (PTU) 'ON' and allow software to load.
2. Check that the intake air ducting is secure.
3. Ensure the ignition is switched 'OFF', hand brake is 'ON' and the transmission selector lever is in park.
4. Connect PTU to vehicle using diagnostic cable.

Note: Ensure WDS is loaded with software release JTP 759 **CD36 or later**.

5. Enter VIN and check the TCM and ECM for fault codes, any associated repairs are to be carried out as a separate Warranty Claim.
6. Navigate to configuration main menu.

Note: It is imperative operations 6, 7 and 8 must be performed in that **exact** order.

NOTE: THE INFORMATION IN TECHNICAL BULLETINS IS INTENDED FOR USE BY TRAINED, PROFESSIONAL TECHNICIANS WITH THE KNOWLEDGE, TOOLS, AND EQUIPMENT 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." DO NOT ASSUME THAT A CONDITION DESCRIBED AFFECTS YOUR CAR. CONTACT A JAGUAR DEALER TO DETERMINE WHETHER THE BULLETIN APPLIES TO YOUR VEHICLE.

7. From the vehicle configuration main menu, navigate to and run 'TCM adaptations clear' application.
8. Make sure that transmission oil temperature does not exceed 80°C.
9. Select and run 're-configure existing ECM' application.
10. Select and run 're-configure existing TCM' application using the 'Coded Access' route.
Write down the 10 digit alphanumeric code that the WDS displays. Since this code will change over time, have the VIN ready and immediately contact the Technical HelpLine at 1-888-JAG=DLRS, option 2, then ZF option 2.
Be prepared to write down the code you are given and then enter it on the WDS.
11. After the re-configuration of the ECM and TCM is complete, switch 'OFF' PTU, disconnect from vehicle and return WDS to original location.
12. Carry out the adaption drive cycle road test:
 - Drive the vehicle for ten miles in an urban environment to provoke the transmission to carry out upshifts and downshifts.
 - Use light throttle only and do not exceed 2500 rpm.
 - At one point in the drive cycle, when the traffic conditions allow, accelerate gently to 60 mph (95 km/h) then allow the vehicle to coast down to 25 mph (40 km/h).

Note: This process must be carried out in normal mode (not sports mode). The transmission fluid temperature must be above 60°C (140°F) (Having the vehicle at normal operating temperature will ensure transmission fluid temperature is above 60°C (140°F).

Note: The customer must be advised to use normal mode (not sports mode) for 200 miles (321 km) and to try to avoid full throttle/kick down over this period.

Global Technical Reference (GTR) Workshop Manual Information:

Dealer access: <https://hub.franchise.jaguar.com>

Internet access: <http://www.jaguartechno.com>

Parts Information:

<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>QTY</u>
N/A	-	-

Warranty Information:

Description	SRO	Time	Causal Part Number
Harsh transmission shift service fix	86.93.51	0.8 hrs.	C2S 6718

