

Injectronics

TECHNICAL BULLETIN

LEXUS GS300 / GS430 – HARSH SHIFTING

#T0140

Customer Complaint:

Injectronics are seeing an increasing number of Lexus GS300 and GS430 Engine Control Units being sent in with transmission shifting issues. The Lexus GS300 and GS430 are equipped with A650E 5 Speed and A960E 6 Speed transmissions made by Toyota for their Lexus division. Injectronics have found that there are areas which the A650E 5-Speed and A960E 6-Speed may present problems to the driver.

Affected vehicles: Lexus GS300 GRS190 (2005-2006) and Lexus GS430 UZS190 (2005-2006)

Common Faults:

- Automatic transmission related fault codes including P0761 (shift solenoid 'C')
- Transmission not shifting into 5th and 6th gear
- Harsh downshift from 2nd to 1st gear when slowing down to a stop

Diagnosis:

Firstly, technicians are advised to run a complete diagnostic check of the vehicle's electrical system. Once this is complete the technician should confirm that the vehicle's transmission fluid is satisfactory and that the wiring and connectors are in good condition. If the problem persists you may assume there is an issue with the vehicle's ECM, and you can have this checked further.

- Low transmission fluid level
- Dirty transmission fluid
- Shift solenoid 'C' valve harness or connectors
- Engine Control Module (ECM)

Solution:

After investigations into the cause of these faults, the Injectronics technicians have now developed a reliable test and repair service of the customers own unit enabling the customer to refit their original ECM straight back into the vehicle, saving time and money and removing the need for further programming to the vehicle.

Repair Part number: ECMLGSREP

OE Part numbers:

- 89661-30A50
- 89661-30A51
- 89661-30A52