


Harsh 2-1 Downshift When Coming to a Stop

Service Category Drivetrain

Section Automatic Transmission/Transaxle

Market USA

Lexus Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2006	GS300	Drive Type(s): 2WD, 4WD Transmission(s): 6AT VDS(s): BH96S, CH96S
2006 – 2007	GS430	Drive Type(s): 2WD Transmission(s): 6AT VDS(s): BN96S

REVISION NOTICE

November 15, 2013 Rev1:

- Applicability has been updated to include 2006 – 2007 model year GS 430 vehicles.

Any previous printed versions of this bulletin should be discarded.

Introduction

Some 2006 model year GS 300 and 2006 – 2007 model year GS 430 vehicles may exhibit a harsh 2-1 downshift when coming to a stop. Use the repair procedure in this bulletin to address this condition.

Warranty Information

OP CODE	DESCRIPTION	MODEL	TIME	OFF	T1	T2
895011	R & R ECM	GS 300	0.6	89666-30351 89666-30361 89666-30354 89666-30364	05	73
		GS 430	0.5	89666-30284 89661-30D61		

APPLICABLE WARRANTY

- This repair is covered under the Lexus Federal Emission Warranty. This warranty is in effect for 96 months or 80,000 miles, whichever occurs first, from the vehicle's in-service date.
- Warranty application is limited to occurrence of the specified condition described in this bulletin.

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Parts Information

MODEL	MODEL YEAR	DRIVETRAIN	PART NUMBER		PART NAME	QTY
			PREVIOUS	NEW		
GS 300	2006	2WD	89666-30350 89666-30351	89661-30W70	Engine Control Computer	1
			89666-30352 89666-30353 89666-30354	89666-30355		
		4WD	89666-30360 89666-30361	89661-30W80		
			89666-30362 89666-30363 89666-30364	89666-30365		
GS 430	2007	2WD	89666-30280 89666-30281 89666-30282 89666-30283 89666-30284	89666-30285		
			89661-30D60 89661-30D61	89661-30D62		

Repair Procedure

1. Test drive the vehicle and confirm the condition.
2. Is there a harsh 2-1 downshift at slow speeds when coming to a stop?
 - **YES** – Go to step 3.
 - **NO** – This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

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Repair Procedure (Continued)

3. Replace the ECM.

NOTE

Before replacing the ECM for this issue, perform basic transmission checks including fluid level inspection to confirm there are no other transmission related issues.

Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:

- 2006 GS 300:
Engine/Hybrid System – Engine Control – “3GR-FSE Engine Control System: ECM: [Removal](#) / [Installation](#)”
 - 2006 GS 430:
Engine/Hybrid System – Engine Control – “3UZ-FE Engine Control System: ECM: [Removal](#) / [Installation](#)”
 - 2007 GS 430:
Engine/Hybrid System – Engine Control – “3UZ-FE Engine Control System: ECM: [Removal](#) / [Installation](#)”
4. Test drive the vehicle and confirm the repair.