

Harsh 4 - 3 Downshift During Deceleration

Service Category Drivetrain

Section Automatic Transmission/Transaxle

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2020 - 2021	Land Cruiser	

Introduction

Some 2020 – 2021 model year Land Cruiser vehicles may exhibit a harsh 4 – 3 downshift during deceleration from 45 – 5 mph. This condition typically occurs at low mileage and may also be found during the Pre-Delivery Service (PDS) inspection. This condition does not set any DTCs or trigger any warning lights or messages. Follow the Repair Procedure in this bulletin to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
N/A	Not Applicable to Warranty	–	–	–	–

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Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream ADVI*	ADE	TSADVUNIT	1
Techstream 2.0		TS2UNIT	
Techstream Lite		TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

*Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 16.30.011 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

Repair Procedure

1. Confirm the condition exists.
Does the vehicle exhibit a harsh 4 – 3 downshift during deceleration from 45 – 5 mph?
 - **YES** — Continue to step 2.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

2. Using Techstream, check for ANY DTCs.
Are there ANY transmission related DTCs present?
 - **YES** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
 - **NO** — Continue to step 3.

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Repair Procedure (continued)

3. BEFORE performing the targeted self-learning procedure, confirm the following:
 - The transmission fluid level is acceptable.
 - The transmission fluid temperature is between 122°F – 230°F (50°C – 110°C).
 - There is a flat road surface available (no hills).
 - There is a smooth road surface available.
 - There are NO DTCs present.

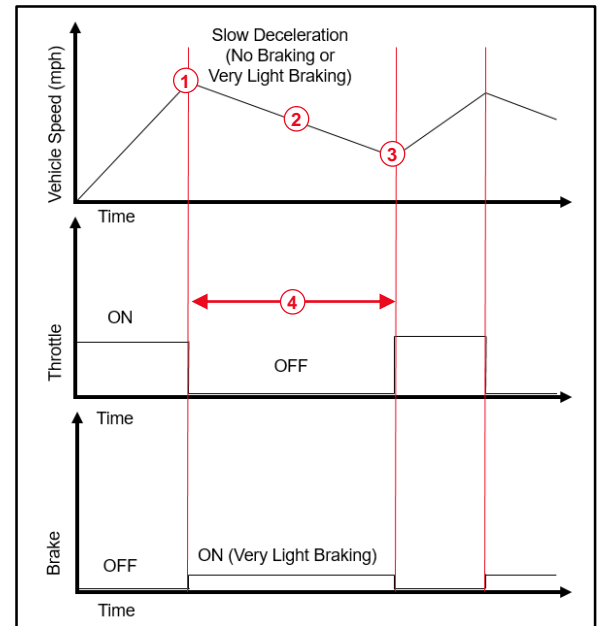
4. Perform the targeted self-learning procedure until the condition is no longer present or up to 14 times.
 - A. While the vehicle is in Drive (D), accelerate to above 35 mph.
 - B. Decelerate the vehicle to 7 mph with very light braking (coasting is best).
 - C. Do NOT make any turns to keep a gradual deceleration speed.
 - D. Repeat this procedure until the condition is no longer present or up to 14 times.

5. Test-drive the vehicle to confirm the condition is no longer present.

Is the condition still present?

 - **YES** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
 - **NO** — The repair is complete.

Figure 1.



1	35 mph
2	4 - 3 Downshift
3	7 mph
4	About 25 Seconds