

# Difficult to Shift Out of Gear After Long Drives

**Service Category** Drivetrain

**Section** Manual Transmission/Transaxle

**Market** USA

Toyota Supports  
 ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2016	Tacoma	VDS(s): AZ5CN, BZ5DN, CZ5AN, DZ5BN, EZ5CN, GZ5AN, RZ5CN, SZ5AN Engine(s): 2GR Transmission(s): 6MT

## Introduction

Some 2016 model year Tacoma vehicles equipped with a 2GR engine and 6 speed manual transmission may exhibit difficulty when shifting out of 5<sup>th</sup> or 6<sup>th</sup> gear after driving for an extended period of time. Follow the Repair Procedure in the bulletin to address this condition.

## Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
TC1600	R & R Transmission Detent Ball	1.0	33292-0K010	28	99

### APPLICABLE WARRANTY

- This repair is covered under the Toyota Powertrain Warranty. This warranty is in effect for 60 months or 60,000 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.

## Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
33292-0K010	33292-0K011	Pin, Lock Ball	1
90341-T0016		Plug, W/Head Straight Screw No. 2	1

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### Required Tools & Equipment

REQUIRED EQUIPMENT	PART NUMBER	QTY
Transmission Jack	-	1

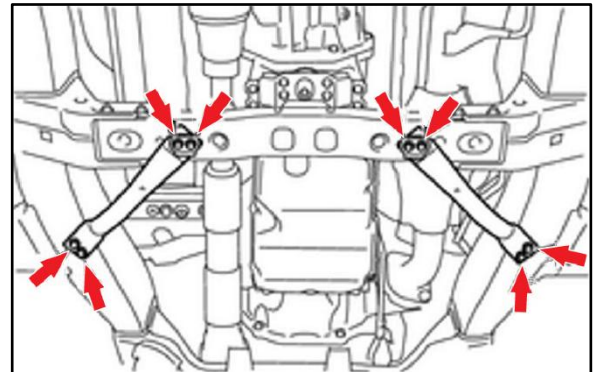
### Repair Procedure

1. Remove the 8 bolts, front suspension member bracket LH and front suspension member bracket RH from the No. 3 frame crossmember sub-assembly and vehicle body.
  - A. Support the manual transmission with a transmission jack.
  - B. Remove the 4 bolts and 4 nuts on the No. 3 frame crossmember sub-assembly.
  - C. Lower transmission assembly to access main lock ball plug.

**NOTE**

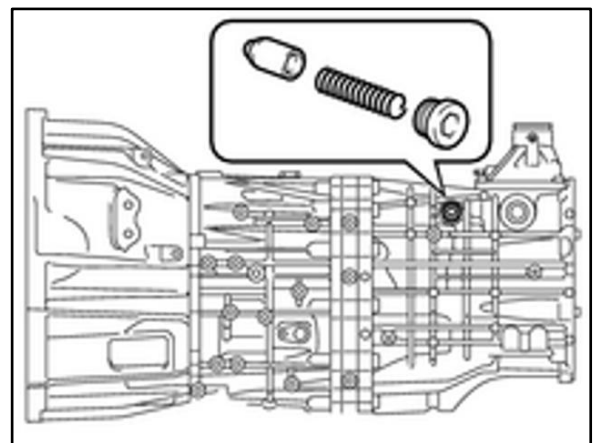
Removing the transmission from vehicle is not necessary to access lock ball plug.

Figure 1.



2. Using a 10 mm hex wrench, remove the No. 2 straight screw plug with head from the rear transmission case.
3. Remove the lock ball pin and shift/select lever spring from the rear transmission case.

Figure 2.



4. Install the NEW lock ball pin and OLD shift/select lever spring to the rear transmission case.

**NOTE**

Lock ball pin does NOT require indexing.

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### Repair Procedure (Continued)

5. Using a 10 mm hex wrench, install a NEW No. 2 straight screw plug with head to the rear transmission case.  
**Torque: 25 N\*m (250 kgf\*cm, 18ft\*lbf)**
6. Install the 8 bolts, front suspension member bracket LH and front suspension member bracket RH from the No. 3 frame crossmember sub-assembly and vehicle body.  
**Torque: 33 N\*m (337 kgf\*cm, 24ft\*lbf)**
7. Install the 4 bolts and 4 nuts on the No. 3 frame crossmember sub-assembly.  
**Torque: 40 N\*m (408 kgf\*cm, 30ft\*lbf)**
8. Verify proper function of transmission.