

# 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

### REVISION NOTICE

**October 18, 2016 Rev1:**

- The Introduction has been updated.

**Any previous printed versions of this bulletin should be discarded.**

## Introduction

Some 2016 model year Tacoma vehicles equipped with a 2GR engine and 6 speed manual transmission may exhibit difficulty when shifting out of **ANY** 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.

## Difficult to Shift Out of Gear After Long Drives

### 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

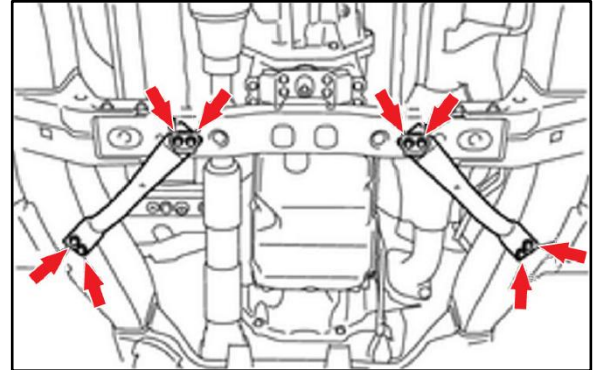
### Required Tools & Equipment

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 the transmission assembly to access the main lock ball plug.

**Figure 1.**



**NOTE**

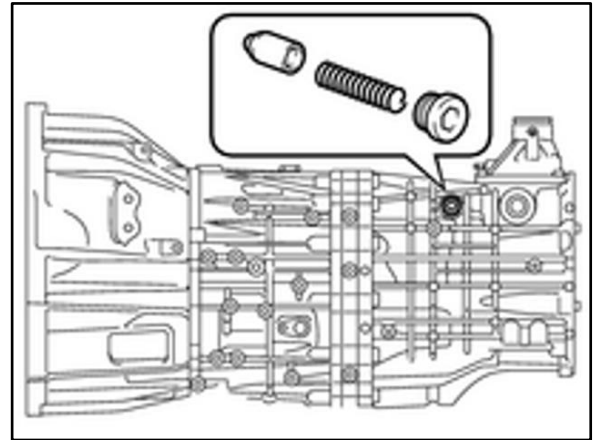
Removing the transmission from vehicle is NOT necessary to access the lock ball plug.

## Difficult to Shift Out of Gear After Long Drives

### Repair Procedure (Continued)

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.

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.