T-SB-0138-10



# Transmission Fluid or Gear Oil Seepage from Transfer Case Vent (AWD)

Service

Category Drivetrain

Section	Transfer/4wd/Awd	Market	USA	Toyota Supports

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2004 – 2009	Highlander	Drive Type(s): 4WD Engine(s): 3MZ, 2GR, 2AZ Transmission(s): 4AT, 5AT VDS(s): EP21A, ES41A, ES42A, ES43A, HD21A, HP21A WMI(s): JTE
2001 – 2005	RAV4	Drive Type(s): 4WD Engine(s): 2AZ, 1AZ Transmission(s): 4AT VDS(s): HD20V, HH20V WMI(s): JTE
2004 – 2010	Sienna	Drive Type(s): 4WD Engine(s): 3MZ, 2GR Transmission(s): 5AT VDS(s): BA22C, BA23C, BK22C, BK23C, DK4CC, JK4CC WMI(s): 5TD

## **TSB SUPERSESSION NOTICE**

The information contained in this TSB supersedes TSB No. TC008-07.

 Applicability has been updated to include 2007 – 2009 Highlander, 2001 – 2005 RAV4, and 2007 – 2010 Sienna vehicles.

TSB No. TC008-07 is Obsolete and any printed versions should be discarded. Be sure to review the entire content of this service bulletin before proceeding.

## Introduction

Some 2004 – 2009 model year Highlander, 2001 – 2005 model year RAV4, and 2004 – 2010 model year Sienna AWD (4WD) vehicles may display a transmission fluid or gear oil seepage from a vent on the right side of the transfer case. The seepage is from the transfer RH (right-hand) bearing retainer No. 2 oil seal. Production improvements have been implemented to prevent this condition from occurring. Follow the repair procedure in this bulletin to replace the RH bearing retainer No. 2 oil seal assembly.

## **Production Change Information**

This TSB applies to 2001 – 2005 RAV4 and to Highlander and Sienna vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
Highlander	TMK1	AWD	JTEES4#A#92137597
Sienna	ТММІ	AWD	5TD#K4CC#AS028750

## Warranty Information

OP CODE	DESCRIPTION	MODEL YEAR	MODEL	TIME	OFP	T1	T2
		0004 0005	RAV4 (M/T)	11.5	-		
		2001–2005	RAV4 (A/T)	13.6			
			Highlander (4 cylinder)	9.7			
TC7004	R & R Transfer RH Bearing Retainer No. 2 Oil Seal	2004–2006	2004–2006 Highlander (V6) 10.3 90316	90316-37001	65	57	
			Sienna	10.2			
		2007–2009	Highlander (V6)	11.9			
		2007–2010	Sienna	9.3			

## **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

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
90316-37001	Same	Seal, Oil, No. 2 (for Transfer RH Bearing Retainer)	1
90301-70002	Same	Ring, O	1
90311-34021	Same	Seal, Oil, No. 1 (for Transfer RH Bearing Retainer)	1
12157-10010	Same	Gasket	3
90301-11018	Same	Ring, O	1
36141-21010	Same	Gasket, Transfer Cover	1
90366-38020	Same	Bearing, Tapered Roller	1

## **Required Tools & Equipment**

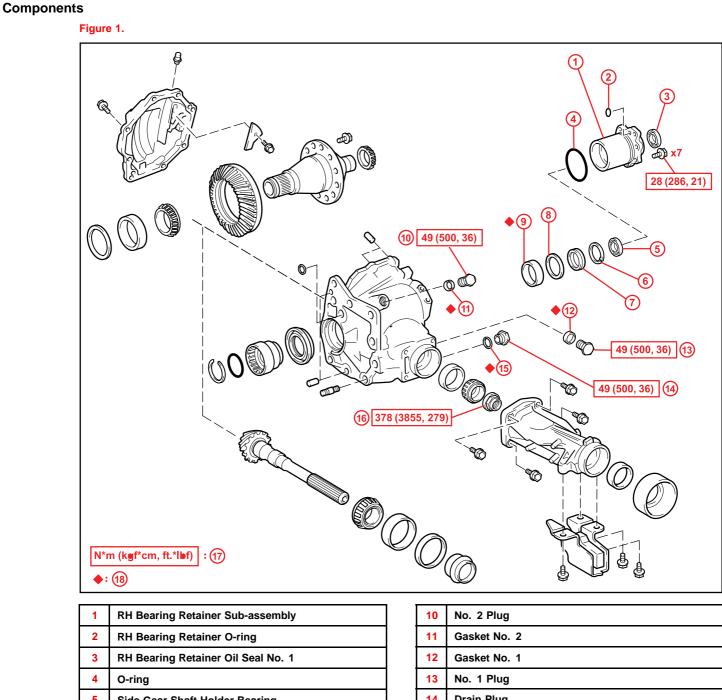
REQUIRED MATERIAL	CLASSIFICATION	QUANTITY
Transfer Case Oil	Hypoid Gear Oil SAE 90 (GL-5)	0.95 U.S. qts (0.9 liters)
Transmission Fluid	ATF Type T-IV	2.9.11.5 oto (2.6.litoro)
	ATF WS	3.8 U.S. qts (3.6 liters)
FIPG Sealant: Three Bond 1281, or equivalent	_	As needed
MP Grease	_	As needed

SPECIAL SERVICE TOOLS (SST'S)	PART NUMBER	QTY
Oil Seal Puller (or equivalent)	<u>09308-00010</u>	1
Transmission Housing Remover*	<u>09520-10021</u>	1
Crankshaft Front Oil Seal Replacer*	09223-46011-01	1
RH Bearing Retainer Installer*	<u>09387-00090</u>	1
Output Shaft Nut Wrench (or equivalent)	<u>09326-20011</u>	1
Bearing Remover (or equivalent)	<u>09950-00020</u>	1
Differential Drive Pinion Holding Tool 28*	<u>09556-16030-01</u>	1
Replacer Set #1* (Replacer 36) (Replacer 54) (Replacer 62) (Adapter)	09950-60010-01 (09951-00360-01) (09951-00540-01) (09951-00620-01) (09952-06010-01)	1
Handle Set* (Handle Assembly 150 – 6.25 inch)	<u>09950-70010-01</u> (09951-07150-01)	1
Plastic Pry Tool Set*	00002-06000-01	1

\* Essential SST.

## NOTE

Additional SSTs may be ordered by calling 1-800-933-8335.

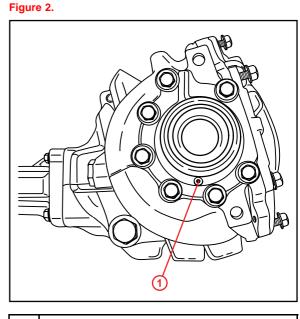


5	Side Gear Shaft Holder Bearing
6	Snap Ring
7	RH Bearing Retainer Oil Seal No. 2
8	Ring Gear Mounting Case Washer No. 2
9	Center Differential Case Tapered Roller Bearing RH (Outer Race)

12	Gasket No. 1
13	No. 1 Plug
14	Drain Plug
15	Drain Gasket
16	Lock Nut
17	Specified Torque
18	Non-reusable Part

## **Repair Procedure: Removal**

1. Confirm source of gear oil/transmission fluid seepage is from vent on RH bearing retainer.



1 Location of Seepage in RH Bearing Retainer (Vent)

2. Remove the engine assembly with transaxle.

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

- 2004 Highlander: Engine/Hybrid System – Engine Mechanical – "<u>2AZ-FE</u> / <u>3MZ-FE</u>: Partial Engine Assy: Replacement"
- 2005 Highlander: Engine/Hybrid System – Engine Mechanical – "<u>2AZ-FE</u> / <u>3MZ-FE</u>: Partial Engine Assy: Replacement"
- 2006 Highlander: Engine/Hybrid System – Engine Mechanical – "<u>2AZ-FE</u> / <u>3MZ-FE</u> Engine Mechanical: Engine Assembly: Removal"
- 2007 Highlander: Engine/Hybrid System – Engine Mechanical – "<u>2AZ-FE</u> / <u>3MZ-FE</u> Engine Mechanical: Engine Assembly: Removal"
- <u>2008</u> / <u>2009</u> Highlander: Engine/Hybrid System – Engine Mechanical – " 2GR-FE Engine Mechanical: Engine Assembly: Removal"

## **Repair Procedure: Removal (Continued)**

- <u>2001</u> / <u>2002</u> / <u>2003</u> / <u>2004</u> / <u>2005</u> RAV4: Engine/Hybrid System – Engine Mechanical – "Engine Unit: Removal"
- <u>2004</u> / <u>2005</u> Sienna: Engine/Hybrid System – Engine Mechanical – "3MZ-FE: Partial Engine Assy: Replacement"
- <u>2006</u> Sienna: Engine/Hybrid System – Engine Mechanical – "3MZ-FE Engine Mechanical: Engine Assembly: Removal"
- <u>2007</u> / <u>2008</u> / <u>2009</u> / <u>2010</u> Sienna: Engine/Hybrid System – Engine Mechanical – "2GR-FE Engine Mechanical: Engine Assembly: Removal"
- 3. Remove the automatic transmission w/transfer.

Refer to TIS, applicable model and model year Repair Manual:

- 2004 Highlander: Drivetrain – Automatic Transmission/Transaxle – "Automatic Transaxle Assy (U151E/U151F) / (U241E/U140F): Replacement"
- 2005 Highlander: Drivetrain – Automatic Transmission/Transaxle – "Automatic Transaxle Assy (U151E/U151F) / (U241E/U140F): Replacement"
- 2006 Highlander: Drivetrain – Automatic Transmission/Transaxle – <u>"U140F</u> / <u>U151F</u> Automatic Transaxle: Automatic Transaxle Assembly: Removal"
- 2007 Highlander: Drivetrain – Automatic Transmission/Transaxle – <u>"U140F</u> / <u>U151F</u> Automatic Transaxle: Automatic Transaxle Assembly: Removal"
- <u>2008</u> / <u>2009</u> Highlander: Drivetrain – Automatic Transmission/Transaxle – " U151F Automatic Transaxle: Automatic Transaxle Assembly: Removal"
- <u>2001</u> / <u>2002</u> / <u>2003</u> / <u>2004</u> / <u>2005</u> RAV4: Drivetrain – Automatic Transmission/Transaxle – "Automatic Transaxle Unit (U140F): Removal"
- <u>2004</u> / <u>2005</u> Sienna: Drivetrain – Automatic Transmission/Transaxle – "Automatic Transaxle Assy (U151E/U151F): Replacement"
- <u>2006</u> / <u>2007</u> / <u>2008</u> / <u>2009</u> / <u>2010</u> Sienna: Drivetrain – Automatic Transmission/Transaxle – "U151F Automatic Transaxle: Automatic Transaxle Assembly: Removal"

1

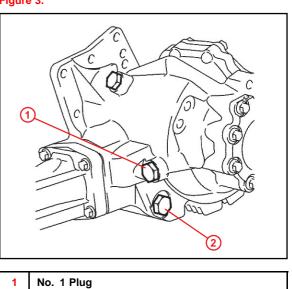
Figure 4.

Drain Plug

# Transmission Fluid or Gear Oil Seepage from Transfer Case Vent (AWD)

## **Repair Procedure: Removal (Continued)**

4. Remove the transfer case No. 1 plug and remove Figure 3. the gasket from the plug.



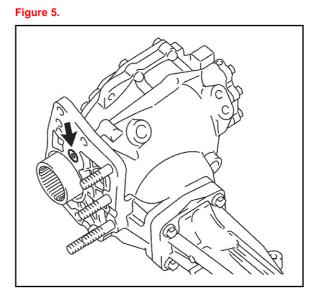
- 5. Remove the transfer drain plug and remove the gasket from the drain plug.
- 6. Remove the transfer assembly.
  - A. Remove the 2 bolts and 6 nuts.
  - B. Using a plastic hammer, drive out the transfer assembly from the transaxle assembly.

## NOTICE

- Disconnect the transfer assembly from the transaxle assembly without tilting.
- When moving the transfer assembly, do NOT hold the assembly by the oil seals.

## **Repair Procedure: Removal (Continued)**

7. Remove the transfer cover gasket from the transfer assembly.



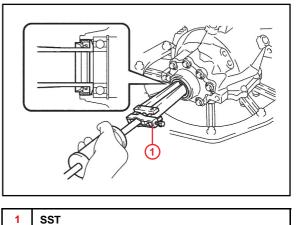
8. Using the SST, remove the transfer RH bearing retainer oil seal.

## SST P/N 09308-00010

## NOTICE

Be careful NOT to damage the oil-seal-fitted surface of the retainer.

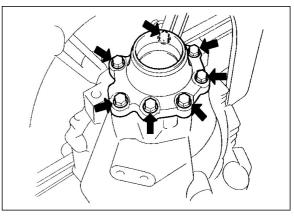
## Figure 6.



## **Repair Procedure: Removal (Continued)**

- 9. Remove the transfer RH bearing retainer sub-assembly.
  - A. Remove the 7 bolts from the RH bearing retainer sub-assembly.

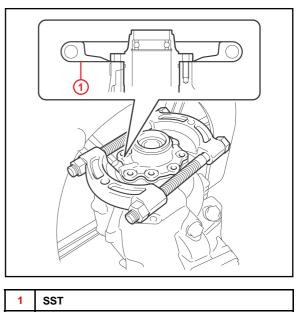
Figure 7.



B. Using the SST, make a clearance between the RH bearing retainer sub-assembly and the transfer case.

SST P/N 09950-00020

Figure 8.

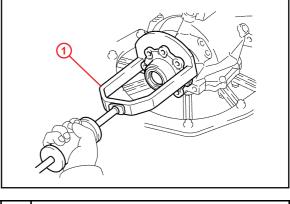


C. Remove the SST.

## **Repair Procedure: Removal (Continued)**

D. Using the SST, remove the RH bearing retainer Figure 9. sub-assembly from the transfer case.

SST P/N 09520-10021



SST 1

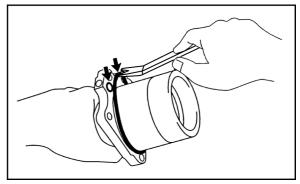
10. Remove the two O-rings.

Figure 10.

Using a plastic pry tool or equivalent, remove the two (2) O-rings from the RH bearing retainer.

## NOTICE

Be careful NOT to damage the retainer's groove for the O-ring.

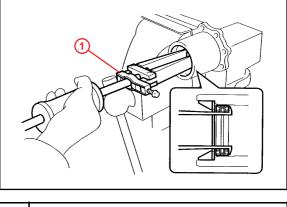


- 11. Remove the center differential case tapered roller Figure 11. bearing RH (outer race).
  - A. Hold the RH bearing retainer in a vise.
  - B. Using the SST, remove the outer race, washer, and No. 2 oil seal from the RH bearing retainer.

SST P/N 09308-00010

## NOTICE

Be careful NOT to damage the oil-seal-fitted surface of the retainer.



SST 1

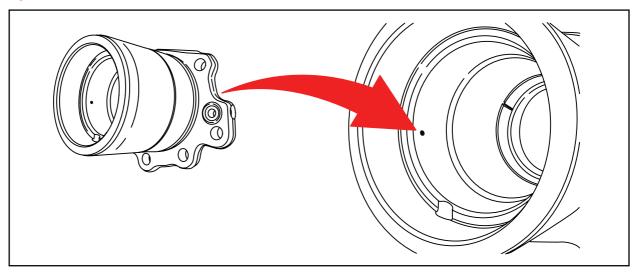
## **Repair Procedure: Installation**

1. Install a NEW No. 2 oil seal in the RH bearing retainer.

## NOTE

The No. 2 oil seal MUST be positioned so that the seal is aligned over the hole located inside the RH bearing retainer. Failure to properly align the seal so that it seals on BOTH sides of the hole (vent) will cause the transfer case to leak fluid out of the vent assembly on the RH bearing retainer.

Figure 12.



## NOTE

Only the outer race of the center differential case tapered roller bearing is to be replaced with a NEW part. Reuse of the center differential case tapered roller bearing should prevent the requirement to re-adjust driven pinion preload.

## **Repair Procedure: Installation (Continued)**

NOTE

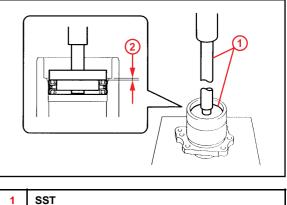
NOT tilted.

- Install the transfer RH bearing retainer oil seal No. 2.
  - A. Using the SST and a press, install the oil seal No. 2 to the RH bearing retainer.

SST P/N 09950-60010 (09951-00360,
09951-00540, 09952-06010), 09950-70010
(09951-07150)

Carefully press-fit so that the oil seal is

Figure 13.

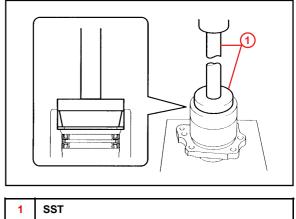


- B. Apply a small amount of MP grease No. 2 to the oil seal lip.
  1 SSI
  2 1.5 2.5 mm (0.059 0.098 in.)
- 3. Install the transfer ring gear mounting case washer No. 2 to the RH bearing retainer.
- 4. Install the center differential case tapered roller bearing.

Using the SST and a press, install the outer race to the RH bearing retainer.

SST P/N 09950-60010 (09951-00620), 09950-70010 (09951-07150)

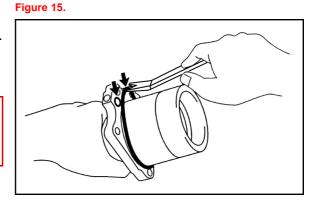
## Figure 14.



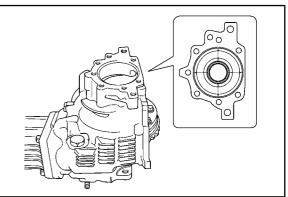
## **Repair Procedure: Installation (Continued)**

- 5. Install the O-rings.
  - A. Apply Hypoid gear oil to the two NEW O-rings.
  - B. Install the two (2) O-rings to the RH bearing retainer.

**NOTICE** Be careful NOT to twist the O-ring and fit it into the retainer's groove properly.



- 6. Install the transfer RH bearing retainer sub-assembly.
  - A. Place the transfer case with the face where the RH bearing retainer is to be installed facing up, as shown in the illustration.



B. Center-align the center differential control coupling assembly and the case.

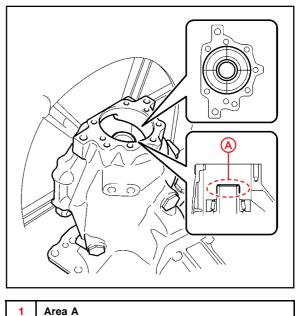
## **Repair Procedure: Installation (Continued)**

C. Apply MP grease No. 2 thinly to area A as shown in the illustration.

## HINT

Apply MP grease No. 2 to prevent the oil seal lip from rolling back.

Figure 17.

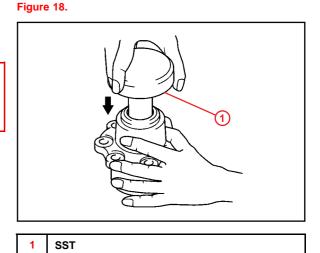


D. Insert the SST into the transfer RH bearing retainer sub-assembly.

SST P/N 09387-00090

## NOTICE

Insert the SST straight in order NOT to damage the oil seal.



## **Repair Procedure: Installation (Continued)**

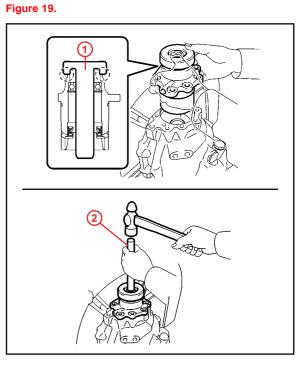
E. With the SST and the transfer RH bearing sub-assembly in close contact, install the transfer RH bearing retainer sub-assembly together with the SST into the transfer case.

## NOTICE

- Avoid interference between the case and the retainer and between the SST and the transfer ring gear mounting case.
- Carefully check the retainer's O-ring for damage and incorrect fitting.

## HINT

- If the engagement is tight, tap the SST with a hammer placing a brass bar on the center of the SST.
- If the SST and retainer are NOT in close contact, the seal for the inner end of the retainer may NOT be properly aligned when the retainer goes into position. This may result in the lip of the oil seal being rolled back during installation.
- If the SST and retainer are NOT in close contact, the center of the retainer or transfer ring gear mounting case may come out of position when the retainer is being installed. This can cause the lip of the oil seal to be rolled back.



1	SST
2	Brass Bar

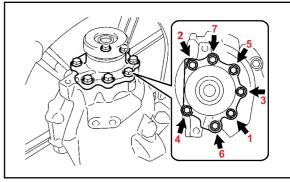
F. Make sure that the transfer RH bearing retainer sub-assembly and transfer case contact closely.

## **Repair Procedure: Installation (Continued)**

G. Tighten the 7 bolts evenly in the order shown in the illustration.

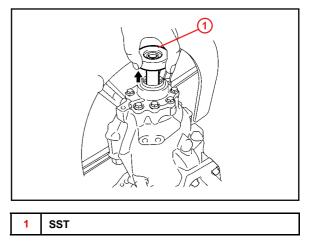
Torque: 28 N\*m (286 kgf\*cm, 21 ft\*lbf)

Figure 20.



H. Remove the SST.

Figure 21.



## **Repair Procedure: Installation (Continued)**

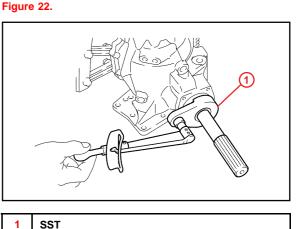
- 7. Inspect total preload.
  - A. Using the SST and a torque wrench, measure the initial torque between the driven pinion bearing and the ring gear face.

SST P/N 09326-20011

Torque: Used Bearing: Driven Pinion Preload +0.15 – 0.30 N\*m (+1.6 – 3.1 kgf\*cm, +1.3 – 2.7 in\*lbf)

#### HINT

Use a torque wrench with a fulcrum length of 160 mm (6.30 in.).



## NOTE

Measure the torque after rotating the bearing in both clockwise and counterclockwise directions to make it fit.

- B. If the preload is too large, replace the bearing spacer with a NEW one.
- C. If the preload is too small, repeatedly adjust the preload by tightening the lock nut 5 10 degrees at a time until the standard value is obtained.
- D. If the preload is insufficient even though the tightening torque of the lock nut exceeds the maximum of the standard value, loosen the lock nut and apply gear oil SAE 90 (GL-5) to the lock nut and the screw thread and base of the driven pinion. Then repeat the preceding operation. If the tightening torque is smaller than the standard, replace the bearing spacer with a NEW one and adjust it.

SST P/N 09326-20011, 09556-16030

Torque: 378 N\*m (3855 kgf\*cm, 279 ft\*lbf)

## **Repair Procedure: Installation (Continued)**

- 8. Install the transfer RH bearing retainer oil seal.
  - A. Using the SST, drive the oil seal into the RH bearing retainer to the position shown in the illustration.

SST P/N 09223-46011

## NOTICE

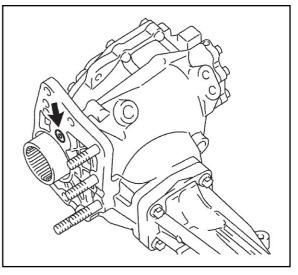
Drive in the oil seal carefully so that it will NOT be tilted.

B. Apply MP grease to the oil seal lip.

- 1 SST 2 0.7 - 1.3 mm (0.028 - 0.051 in.)
- 9. Install a NEW transfer cover gasket to the case.



Figure 23.



## **Repair Procedure: Installation (Continued)**

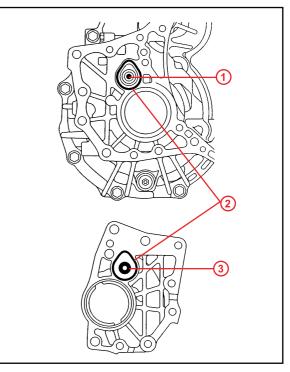
- 10. Install the transfer assembly.
  - A. Apply FIPG sealant 1281 to the transaxle assembly and the transfer assembly in continuous beaded form of 1.2 mm (0.05 in.) diameter as shown in the illustration.

FIPG sealant: Three Bond 1281, or equivalent

#### NOTICE

- Remove any grease from the attaching surfaces.
- Install the transfer assembly within 10 minutes after application of the sealant.
- Sealant stuck on the gasket, case oil seal, and driving plug may cause oil leakage and seizure due to oil shortage.

Figure 25.



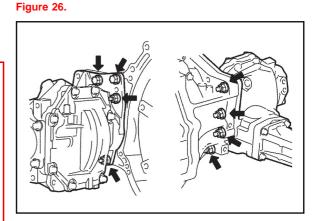
1	Driving Plug
2	Sealant
3	Gasket

B. Install the transfer assembly to the transaxle assembly with the 2 bolts and 6 nuts.

Torque: 69 N\*m (700 kgf\*cm, 51 ft\*lbf)

## NOTICE

- Check that the gasket is installed to the transfer assembly before instaling it to the transaxle assembly.
- Install the transfer assembly to the transaxle assembly without tilting.
- When moving the transfer assembly, do NOT hold by the oil seals.



## **Repair Procedure: Installation (Continued)**

11. Install the automatic transmission w/transfer.

Refer to TIS, applicable model and model year Repair Manual:

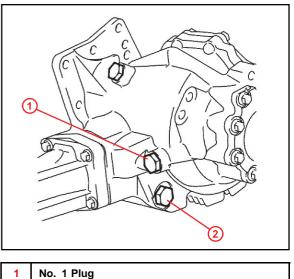
- 2004 Highlander: Drivetrain – Automatic Transmission/Transaxle – "Automatic Transaxle Assy <u>(U151E/U151F)</u> / <u>(U241E/U140F)</u>: Replacement"
- 2005 Highlander: Drivetrain – Automatic Transmission/Transaxle – "Automatic Transaxle Assy <u>(U151E/U151F)</u> / <u>(U241E/U140F)</u>: Replacement"
- 2006 Highlander: Drivetrain – Automatic Transmission/Transaxle – <u>"U140F</u> / <u>U151F</u> Automatic Transaxle: Automatic Transaxle Assembly: Installation"
- 2007 Highlander: Drivetrain – Automatic Transmission/Transaxle – <u>"U140F</u> / <u>U151F</u> Automatic Transaxle: Automatic Transaxle Assembly: Installation"
- <u>2008</u> / <u>2009</u> Highlander: Drivetrain – Automatic Transmission/Transaxle – "U151F Automatic Transaxle: Automatic Transaxle Assembly: Installation"
- <u>2001</u> / <u>2002</u> / <u>2003</u> / <u>2004</u> / <u>2005</u> RAV4: Drivetrain – Automatic Transmission/Transaxle – "Automatic Transaxle Unit (U140F): Installation"
- <u>2004</u> / <u>2005</u> Sienna: Drivetrain – Automatic Transmission/Transaxle – "Automatic Transaxle Assy (U151E/U151F): Replacement"
- <u>2006</u> / <u>2007</u> / <u>2008</u> / <u>2009</u> / <u>2010</u> Sienna: Drivetrain – Automatic Transmission/Transaxle – "U151F Automatic Transaxle: Automatic Transaxle Assembly: Installation"
- 12. Install the engine assembly with transaxle.

Refer to TIS, applicable model and model year Repair Manual:

- 2004 Highlander: Engine/Hybrid System – Engine Mechanical – "<u>2AZ-FE</u> / <u>3MZ-FE</u>: Partial Engine Assy: Replacement"
- 2005 Highlander: Engine/Hybrid System – Engine Mechanical – "<u>2AZ-FE</u> / <u>3MZ-FE</u>: Partial Engine Assy: Replacement"
- 2006 Highlander: Engine/Hybrid System – Engine Mechanical – "<u>2AZ-FE</u> / <u>3MZ-FE</u> Engine Mechanical: Engine Assembly: Installation"

## **Repair Procedure: Installation (Continued)**

- 2007 Highlander: Engine/Hybrid System – Engine Mechanical – "2AZ-FE / 3MZ-FE Engine Mechanical: Engine Assembly: Installation"
- 2008 / 2009 Highlander: Engine/Hybrid System – Engine Mechanical – " 2GR-FE Engine Mechanical: Engine Assembly: Installation"
- 2001 / 2002 / 2003 / 2004 / 2005 RAV4: Engine/Hybrid System – Engine Mechanical – "Engine Unit: Installation"
- 2004 / 2005 Sienna: Engine/Hybrid System – Engine Mechanical – "Partial Engine Assy: Replacement"
- 2006 Sienna: Engine/Hybrid System – Engine Mechanical – "3MZ-FE Engine Mechanical: Engine Assembly: Installation"
- 2007 / 2008 / 2009 / 2010 Sienna: Engine/Hybrid System – Engine Mechanical – "2GR-FE Engine Mechanical: Engine Assembly: Installation"
- 13. Install the transfer drain plug with a NEW gasket. Figure 27. Torque: 49 N\*m (500 kgf\*cm, 36 ft\*lbf)



**Drain Plug** 2

## **Repair Procedure: Installation (Continued)**

- 14. Install the transfer case No. 1 plug.
  - A. Add oil up to the level 0 5 mm (0 0.20 in.) below the lowest end of the plug hole.
    Oil quantity:
    0.95 U.S. qts (0.9 L, 0.71 lmp. qts)

NOTE Add oil slowly.

- B. Install the No. 1 plug with a NEW gasket.Torque: 49 N\*m (500 kgf\*cm, 36 ft\*lbf)
- 15. Inspect and adjust front wheel alignment.

Refer to TIS, applicable model and model year Repair Manual:

- <u>2004</u> / <u>2005</u> Highlander: *Suspension – Alignment/Handling Diagnoses – "Front Wheel Alignment: Adjustment"*
- <u>2006</u> / <u>2007</u> / <u>2008</u> / <u>2009</u> Highlander: Suspension – Alignment/Handling Diagnoses – "Suspension: Front Wheel Alignment: Adjustment"
- <u>2001</u> / <u>2002</u> / <u>2003</u> / <u>2004</u> / <u>2005</u> RAV4: Suspension – Alignment/Handling Diagnoses – "Front Wheel Alignment: Inspection"
- <u>2004</u> / <u>2005</u> Sienna: Suspension – Alignment/Handling Diagnoses – "Front Wheel Alignment: Adjustment"
- <u>2006</u> / <u>2007</u> / <u>2008</u> / <u>2009</u> / <u>2010</u> Sienna: Suspension – Alignment/Handling Diagnoses – "Suspension: Front Wheel Alignment: Adjustment"
- 16. Check the ABS speed sensor signal (ABS with EBD & BA & TRAC & VSC system).

Refer to TIS, applicable model and model year Repair Manual:

- <u>2004</u> / <u>2005</u> Highlander: Brake – Brake Control/Dynamic Control System – "ABS With EBD & BA & TRAC & VSC System: Pre-Check"
- <u>2006</u> / <u>2007</u> / <u>2008</u> / <u>2009</u> Highlander: Brake – Brake Control/Dynamic Control System – "Brake Control: Vehicle Stability Control System: Test Mode Procedure"
- <u>2001</u> / <u>2002</u> / <u>2003</u> / <u>2004</u> / <u>2005</u> RAV4: Brake – Brake Control/Dynamic Control System – "Anti-Lock Brake System With Electronic Brake Force Distribution (EBD): Pre-Check"

## **Repair Procedure: Installation (Continued)**

- <u>2004</u> / <u>2005</u> Sienna: Brake – Brake Control/Dynamic Control System – "ABS With EBD & BA & TRAC & VSC System: Pre-Check"
- <u>2006</u> / <u>2007</u> / <u>2008</u> / <u>2009</u> / <u>2010</u> Sienna: Brake – Brake Control/Dynamic Control System – "Brake Control: Anti-lock Brake System: Test Mode Procedure"
- 17. Re-initialize any affected power systems.

Refer to TIS for the applicable TSB or Repair Manual section.