Exit **Print Preview**

HF1A TRANSFER / 4WD / AWD TRANSFER ASSEMBLY DISASSEMBLY

CAUTION / NOTICE / HINT

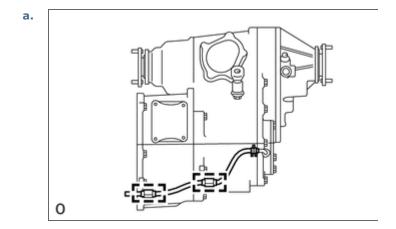
PROCEDURE

1.DRAIN TRANSFER OIL

Click hereDrivetrain>HF1A (TRANSFER / 4WD / AWD)>TRANSFER OIL>REPLACEMENT

2.REMOVE REAR NO. 1 TRANSFER CASE HOSE

36112B



Disconnect the rear No. 1 transfer case hose from the 2 clamps.

- Slide the clip to remove the rear No. 1 transfer case hose.
- _ 3.REMOVE SPEEDOMETER DRIVEN HOLE COVER SUB-ASSEMBLY (w/ ABS)

33403D

- Remove the bolt and speedometer driven hole cover sub-assembly.
- Remove the O-ring from the speedometer driven hole cover sub-assembly. b.
 - 4.REMOVE SPEEDOMETER DRIVEN GEAR SUB-ASSEMBLY (w/o ABS)
- Remove the bolt and speedometer driven gear sub-assembly.
- **5.REMOVE TRANSFER HEAT INSULATOR (w/ ABS)**

36336

Click hereDrivetrain>HF1A (TRANSFER / 4WD / AWD)>TRANSFER INDICATOR SWITCH>REMOVAL

6.REMOVE NO .1 TRANSFER INDICATOR SWITCH (4WD Position)

84222

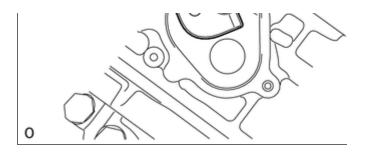
Click hereDrivetrain>HF1A (TRANSFER / 4WD / AWD)>TRANSFER INDICATOR SWITCH>REMOVAL

7.REMOVE SHIFT DETENT BALL SPRING PLUG

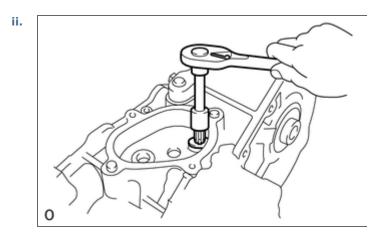
36275

for Front Transfer Case Side:

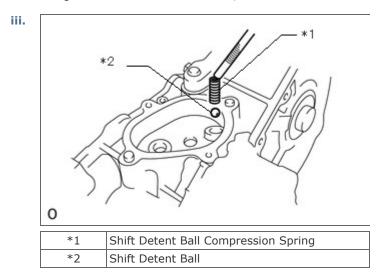




Remove the bolt and bracket from the front transfer case.

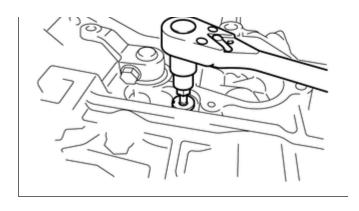


Using a T40 "TORX" socket wrench, remove the shift detent ball spring plug.



Using a magnet hand, remove the shift detent ball compression spring and shift detent ball.





Using a T40 "TORX" socket wrench, remove the 2 shift detent ball spring plugs.

b. for Front Transfer Extension Housing Side: Click hereDrivetrain>HF1A (TRANSFER / 4WD / AWD)>TRANSFER CASE FRONT OIL SEAL>REPLACEMENT

8.REMOVE TRANSFER OUTPUT SHAFT COMPANION FLANGE SUB-ASSEMBLY

33309

Click hereDrivetrain>HF1A (TRANSFER / 4WD / AWD)>TRANSFER CASE REAR OIL SEAL>REPLACEMENT

9.REMOVE TRANSFER SPEEDOMETER DRIVE GEAR

33481P

- Remove the transfer speedometer drive gear from the transfer output shaft companion flange sub-assembly.
- **■** 10.REMOVE DUST DEFLECTOR

33309A

*a Turn
*b Hold

Using SST, remove the dust deflector from the transfer output shaft companion flange sub-assembly.

SST

09950-40011 (09951-04020, 09952-04010, 09953-04020, 09954-04010, 09955-04031, 09957-04010, 09958-04011) 09950-60010 (09951-00420)

11.REMOVE FRONT TRANSFER EXTENSION HOUSING SUB-ASSEMBLY

36105

Click hereDrivetrain>HF1A (TRANSFER / 4WD / AWD)>TRANSFER CASE FRONT OIL SEAL>REPLACEMENT

12.REMOVE NO .1 TRANSFER INDICATOR SWITCH (L4 POSITION) (w/ ABS)

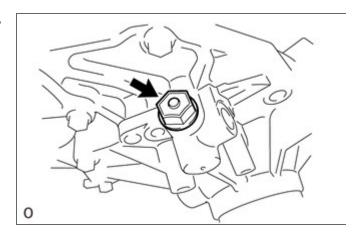
84222

Click hereDrivetrain>HF1A (TRANSFER / 4WD / AWD)>TRANSFER INDICATOR SWITCH>REMOVAL

■ 13.REMOVE TRANSFER CASE PLUG

36111F

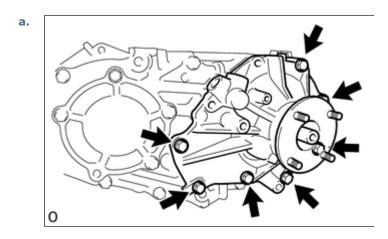
a.



Remove the transfer case plug and gasket from the rear transfer extension housing sub-assembly.

■ 14.REMOVE REAR TRANSFER EXTENSION HOUSING SUB-ASSEMBLY

36109B

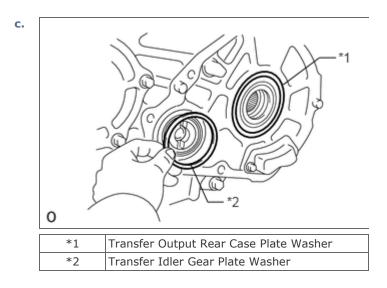


w/ ABS:

Remove the 7 bolts and rear transfer extension housing sub-assembly.
 If necessary, tap the rear transfer extension housing sub-assembly with a plastic-faced hammer.

b. w/o ABS:

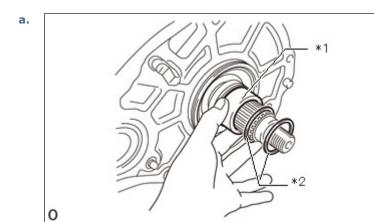
i. Remove the 9 bolts and rear transfer extension housing sub-assembly. If necessary, tap the rear transfer extension housing sub-assembly with a plastic-faced hammer.



Remove the transfer output rear case plate washer and transfer idler gear plate washer.

15.REMOVE NO. 1 TRANSFER OUTPUT SHAFT SPACER

36255

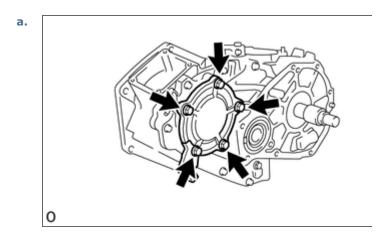


	*1	No. 1 Transfer Output Shaft Spacer
Г	*2	Transfer Output Rear Shaft Plate Washer

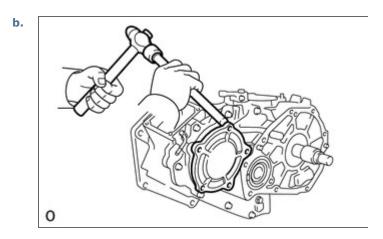
Remove the No. 1 transfer output shaft spacer with 2 transfer output rear shaft plate washers.

■ 16.REMOVE NO. 2 TRANSFER CASE COVER

36122



Remove the 5 bolts and bracket.



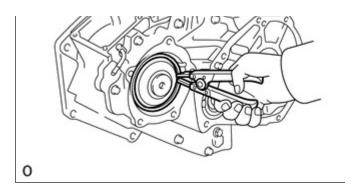
Using a brass bar and hammer, remove the No. 2 transfer case cover.

■ 17.REMOVE REAR TRANSFER CASE

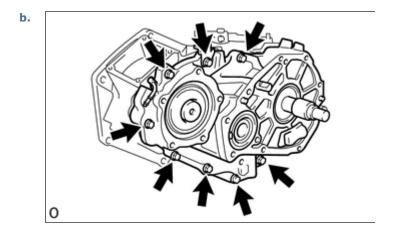
36112

a.

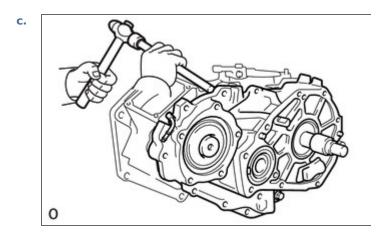




Using a snap ring expander, remove the transfer input gear shaft snap ring.



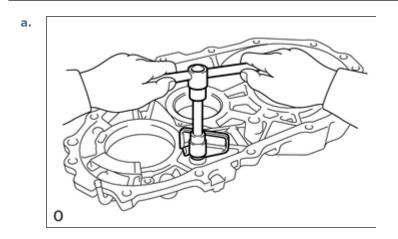
Remove the 8 bolts and bracket.



Using a brass bar and hammer, remove the rear transfer case.

■ 18.REMOVE REAR TRANSFER CASE OIL RECEIVER PIPE

33124B

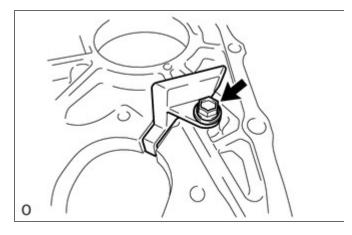


Remove the bolt and rear transfer case oil receiver pipe from the rear transfer case.

■ 19.REMOVE TRANSFER OIL RECEIVER PIPE

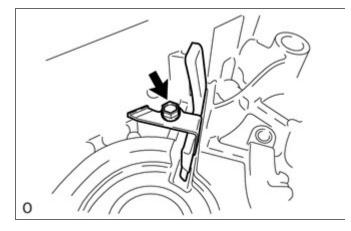
33124E





for Rear Transfer Case Side: Remove the bolt and transfer oil receiver pipe.



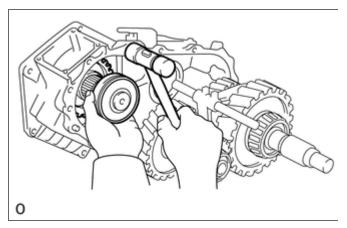


for Front Transfer Case Side: Remove the bolt and transfer oil receiver pipe.

c. for Front Transfer Extension Housing Side: Click hereDrivetrain>HF1A (TRANSFER / 4WD / AWD)>TRANSFER CASE FRONT OIL SEAL>REPLACEMENT

■ 20.REMOVE INPUT SHAFT ASSEMBLY





Using a plastic-faced hammer, tap the front transfer case and remove the input shaft assembly.

_

21.REMOVE OUTPUT SHAFT ASSEMBLY

*1 Idler Gear Assembly

*2 Output Shaft Assembly

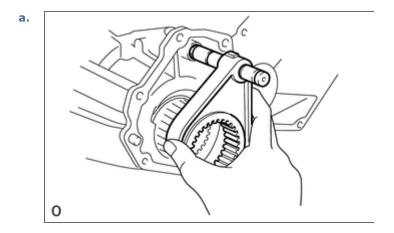
*3 No. 1 Transfer Gear Shift Fork and Transfer

High and Low Shift Fork Shaft

Remove the idler gear assembly and output shaft assembly together with the No. 1 transfer gear shift fork and transfer high and low shift fork shaft.

22.REMOVE FRONT DRIVE CLUTCH SLEEVE

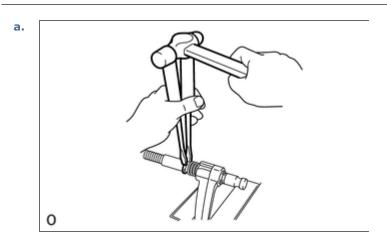
36236



Remove the front drive clutch sleeve with the No. 2 transfer gear shift fork and transfer front drive shift fork shaft.

23.REMOVE NO. 2 TRANSFER GEAR SHIFT FORK

36312F



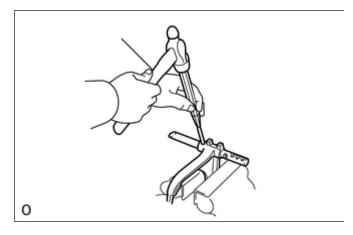
Using 2 screwdrivers and a hammer, tap out the 2 transfer gear shift fork shaft snap rings.

b. Remove the No. 2 transfer gear shift fork and shift detent ball compression spring from the transfer front drive shift fork shaft.

24.REMOVE NO. 1 TRANSFER GEAR SHIFT FORK

36311F

a.



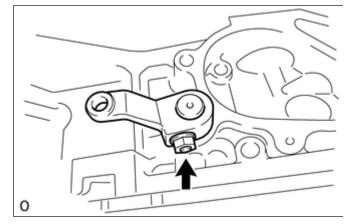
Using a pin punch and hammer, tap out the transfer shift fork slotted spring pin.

b. Remove the No. 1 transfer gear shift fork from the transfer high and low shift fork shaft.

■ 25.REMOVE TRANSFER SHIFT OUTER LEVER

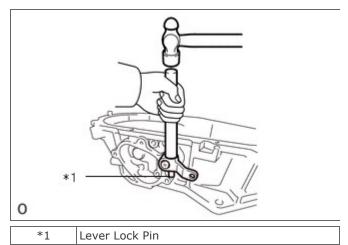
36362A

a.



Remove the nut and washer from the transfer shift outer lever.

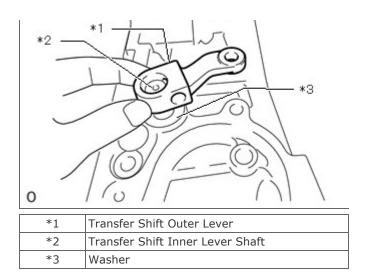




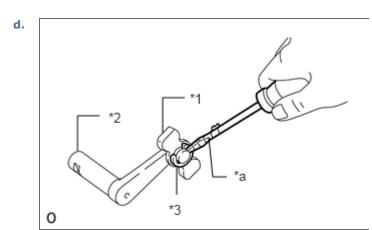
Using a brass bar and hammer, tap out the lever lock pin.

C.





Remove the transfer shift outer lever, washer and transfer shift inner lever shaft.



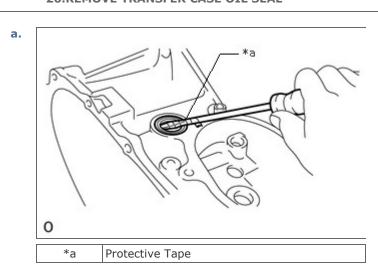
*1	Transfer Shift Lever Inner
*2	Transfer Shift Inner Lever Shaft
*3	E-Ring
*a	Protective Tape

Using a screwdriver, remove the E-ring and transfer shift lever inner from the transfer shift inner lever shaft. **HINT:**

Tape the screwdriver tip before use.

■ 26.REMOVE TRANSFER CASE OIL SEAL

36111B

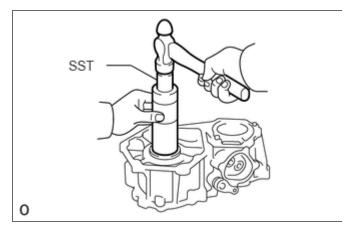


for Transfer Shift Inner Lever Shaft Side: Using a screwdriver, remove the transfer case oil seal.

HINT:

Tape the screwdriver tip before use.





for Input Shaft Side:

Using SST and a hammer, remove the transfer case oil seal.

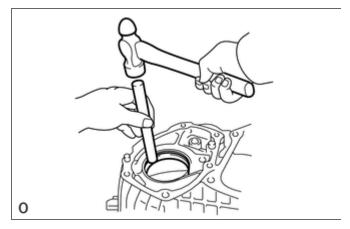
SST

09316-60011 (09316-00011)

27.REMOVE TRANSFER OUTPUT SHAFT TAPER ROLLER BEARING

36231C

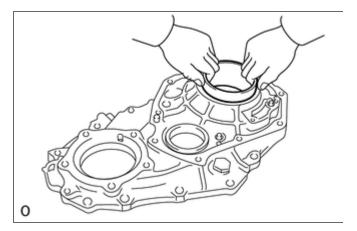




for Front Transfer Case Side:

Using a brass bar and hammer, remove the transfer output shaft taper roller bearing (outer race) from the front transfer case.



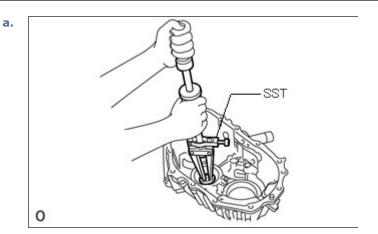


for Rear Transfer Case Side:

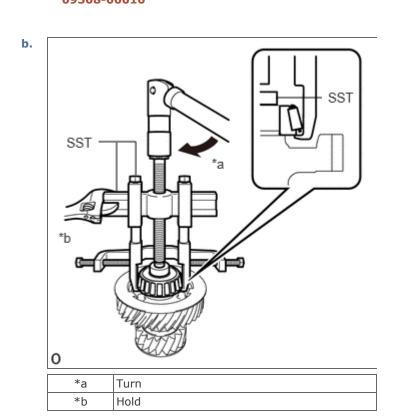
Remove the transfer output shaft taper roller bearing (outer race) from the rear transfer case.

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36221G



Using SST, remove the transfer idler gear bearing (outer race) from the front transfer case. **SST**
09308-00010

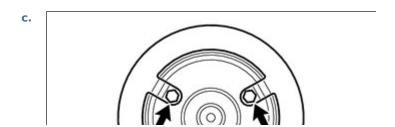


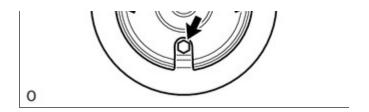
Using SST and a press, remove the transfer idler gear bearing (inner race) from the idler gear assembly.

SST 09950-40011 (09951-04010, 09952-04010, 09953-04020, 09954-04010, 09955-04061, 09957-04010, 09958-04011) 09950-60010 (09951-00320)

HINT:

Support the idler gear assembly by hand to prevent it from dropping.



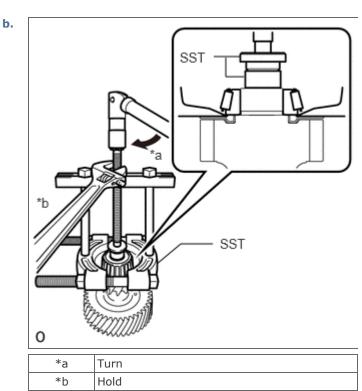


Remove the 3 bolts and transfer idler gear transfer oil receiver.

■ 29.REMOVE TRANSFER ILDER GEAR BEARING (for Rear Side)

36221H

a. Remove the transfer idler gear bearing (outer race) from the rear transfer case.



Using SST and a press, remove the transfer idler gear bearing (inner race) from the idler gear assembly.

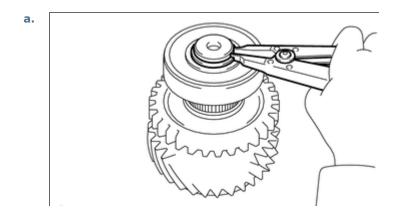
SST 09950-00020 09950-00030 09950-60010 (09951-00300)

HINT

Support the idler gear assembly by hand to prevent it from dropping.

■ 30.REMOVE TRANSFER INPUT GEAR RADIAL BALL BEARING

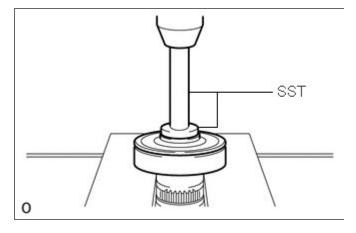
36212A



0

Using a snap ring expander, remove the transfer input bearing shaft snap ring.





Using SST and a press, remove the transfer input gear radial ball bearing.

SST 09950-60010 (09951-00320) 09950-70010 (09951-07100)

HINT:

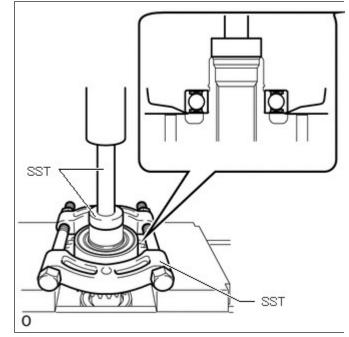
Support the output shaft assembly by hand to prevent it from dropping.

■ 31.REMOVE FRONT TRANSFER INPUT SHAFT RADIAL BALL BEARING

36212F

a. Using a snap ring expander, remove the shaft snap ring.





Using SST and a press, remove the front transfer input shaft radial ball bearing.

SST

09950-00020 09950-60010 (09951-00480) 09950-70010 (09951-07100)

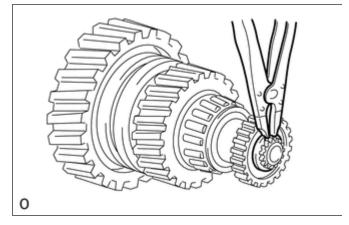
HINT:

Support the input shaft assembly by hand to prevent it from dropping.

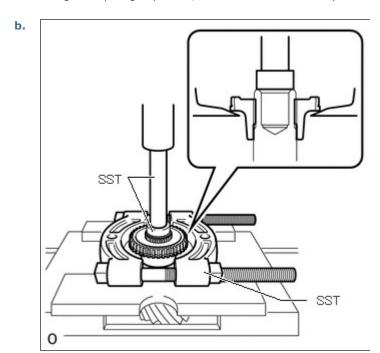
32.REMOVE FRONT TRANSFER DRIVE GEAR PIECE

36245

a.



Using a snap ring expander, remove the transfer output shaft shaft snap ring.



Using SST and a press, remove the front transfer drive gear piece from the output shaft assembly.

SST

09527-20011 09950-60010 (09951-00300) 09950-70010 (09951-07100)

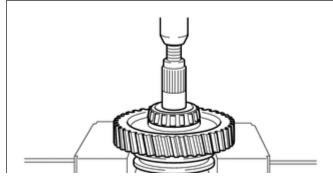
Support the output shaft assembly by hand to prevent it from dropping.

_ **33.REMOVE TRANSFER LOW GEAR**

36242



a.



0

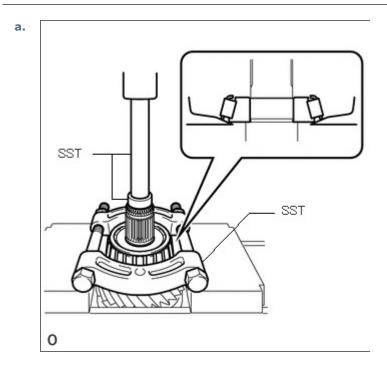
Using a press, remove the transfer low gear and transfer output shaft taper roller bearing (inner race) from the output shaft assembly.

HINT:

Support the output shaft assembly by hand to prevent it from dropping.

- b. Remove the transfer output shaft front needle roller bearing from the output shaft assembly.
- **34.REMOVE TRANSFER HIGH SPEED OUTPUT GEAR SUB-ASSEMBLY**

36203

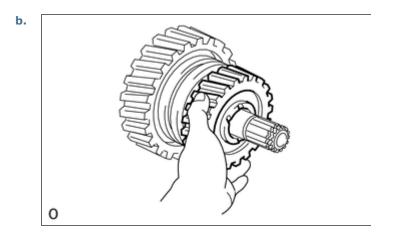


Using SST and a press, remove the transfer output shaft taper roller bearing (inner race) from the output shaft assembly.

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SST
09950-00020
09950-60010 (09951-00300)
09950-70010 (09951-07100)
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HINT:

Support the output shaft assembly by hand to prevent it from dropping.



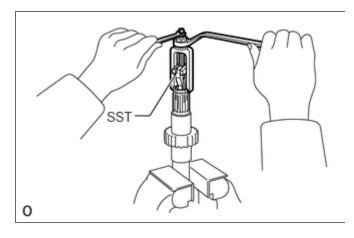
Remove the transfer high speed output gear sub-assembly from the output shaft assembly.

c. Remove the 2 pieces of the front transfer output shaft needle roller bearing and No. 1 transfer output shaft spacer.

■ 35.REMOVE FRONT TRANSFER OUTPUT SHAFT NEEDLE ROLLER BEARING

36231E

a.



Using SST, remove the front transfer output shaft needle roller bearing.

SST

09319-60020

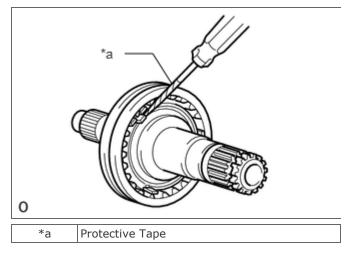
■ 36.REMOVE TRANSFER SYNCHRONIZER RING

36247

■ 37.REMOVE TRANSFER HIGH AND LOW CLUTCH SLEEVE

36235

a.



Using a screwdriver, remove the 2 transfer synchromesh shifting key springs.

HINT:

Tape the screwdriver tip before use.

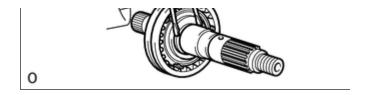
b. Remove the transfer high and low clutch sleeve and the 3 No. 2 synchromesh shifting keys.

■ 38.REMOVE TRANSFER CLUTCH HUB

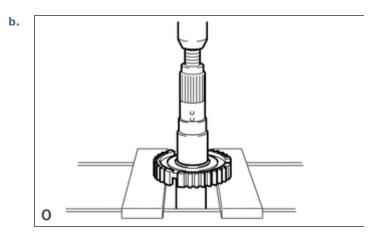
36237

a.





Using 2 screwdrivers and a hammer, remove the transfer clutch hub shaft snap ring.



Using a press, remove the transfer clutch hub.

39.REMOVE TRANSFER DRIVE CLUTCH HUB

36239

Click hereDrivetrain>HF1A (TRANSFER / 4WD / AWD)>TRANSFER CASE FRONT OIL SEAL>REPLACEMENT

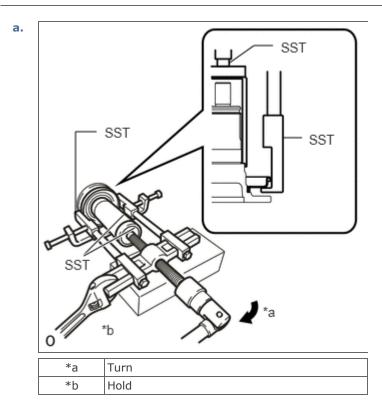
40.REMOVE FRONT TRANSFER OUTPUT SHAFT

36209A

Click hereDrivetrain>HF1A (TRANSFER / 4WD / AWD)>TRANSFER CASE FRONT OIL SEAL>REPLACEMENT

41.REMOVE TRANSFER OUTPUT SHAFT DUST DEFLECTOR

36104B

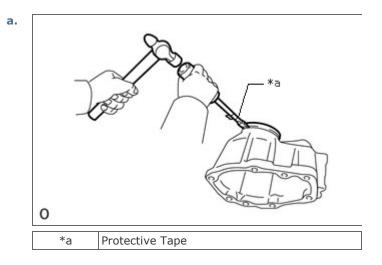


Using SST, remove the transfer output shaft dust deflector. $\ensuremath{\textit{SST}}$

09309-60010 09950-40011 (09951-04020, 09952-04010, 09953-04020, 09954-04010, 09955-04031, 09957-04010, 09958-04011) 09950-60010 (09951-00500)

42.REMOVE FRONT TRANSFER EXTENSION HOUSING DUST DEFLECTOR

33325B



Using a screwdriver and hammer, remove the front transfer extension housing dust deflector.

HINT:

Tape the screwdriver tip before use.

43.REMOVE FRONT TRANSFER EXTENSION HOUSING OIL SEAL	36105A			
Click hereDrivetrain>HF1A (TRANSFER / 4WD / AWD)>TRANSFER CASE FRONT OIL SEAL>REPLACEMENT				
44.REMOVE FRONT TRANSFER OUTPUT SHAFT RADIAL BALL BEARING	36231H			

 ${\it Click hereDrive train>HF1A (TRANSFER / 4WD / AWD)>TRANSFER CASE FRONT OIL SEAL>REPLACEMENT}$

45.REMOVE REAR TRANSFER EXTENSION HOUSING OIL SEAL 36109C

 ${\it Click hereDrivetrain>HF1A (TRANSFER / 4WD / AWD)>TRANSFER CASE REAR OIL SEAL>REPLACEMENT}$

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