

DIFFERENTIAL

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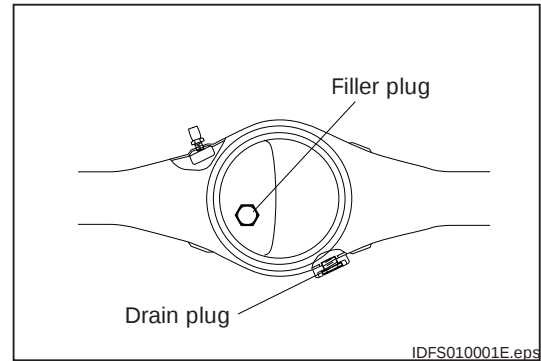
1 BASIC CHECK

1-1 GEAR OIL

1-1-1 INSPECTION

(1) LEVEL

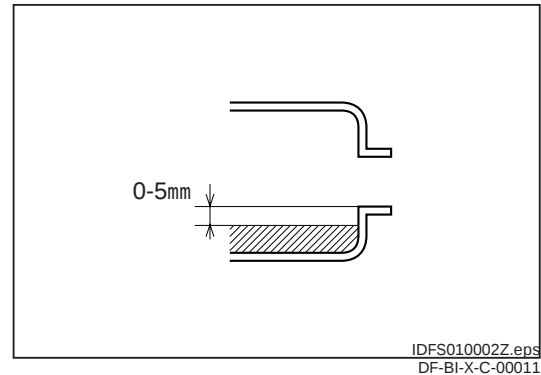
1. Park the vehicle on a level, flat place.
2. Remove the filler plug.



3. Check the differential oil level.
SPECIFIED VALUE: 5mm or less below lower edge of filler plug hole
4. Install the filler plug.
TIGHTENING TORQUE: $61.3 \pm 7.3\text{N}\cdot\text{m}$

CAUTION

- Never reuse the removed gasket.



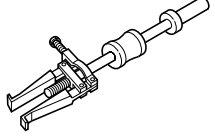
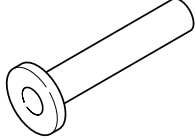
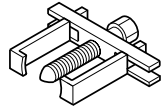
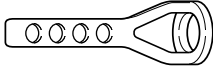
1-1-2 REPLACE

1. Park the vehicle on a level, flat place.
2. Remove the drain plug, and drain the differential oil.
3. Install the drain plug.
TIGHTENING TORQUE: $61.3 \pm 7.3\text{N}\cdot\text{m}$
SPECIFIED VALUE: Never reuse the removed gasket.
4. Remove the filler plug, and fill the differential oil.
LUBRICANT: SAE80W-90,API GL-5
Filling Amount 1.0 ℓ
SPECIFIED VALUE: 5mm or less below lower edge of filler plug hole
5. Install the filler plug.
TIGHTENING TORQUE: $61.3 \pm 7.3\text{N}\cdot\text{m}$
SPECIFIED VALUE: Never reuse the removed gasket.

2 DRIVE PINION OIL SEAL

2-1 REMOVAL AND INSTALLATION

2-1-1 PREPARATION TOOLS

	Shape	Part number, part name	Use
SST		09308-00010-000 Puller, oil seal	For removal of type T oil seal
		09309-87301-000 Replacer, output shaft bearing	For installation of type T oil seal
		09334-87201-000 Puller, transmission bearing	For removal of transfer rear drive clutch
		09950-20017-000 Puller, universal	For installation of transfer rear drive clutch
		09202-87202-000 Body, valve spring replacer	For installation of shaft snap ring
Tool	Snap ring expander		
Lubricant	MP grease		

DF-DO-D-P-00011

2-1-2 OPERATION BEFORE REMOVAL

1. Jack up the vehicle.

WARNING

- Keep the position of the jackup point to avoid causing serious accident due to inclining of the vehicle.

2. Drain the differential oil.
Refer to DF-2.

3. Separation of propeller shaft Ay
(1) Separate the propeller shaft Ay at rear differential side, and hang it on a vehicles.

CAUTION

- Be very careful not to apply load to the center support bearing and second joint section.

Refer to DPS-3.

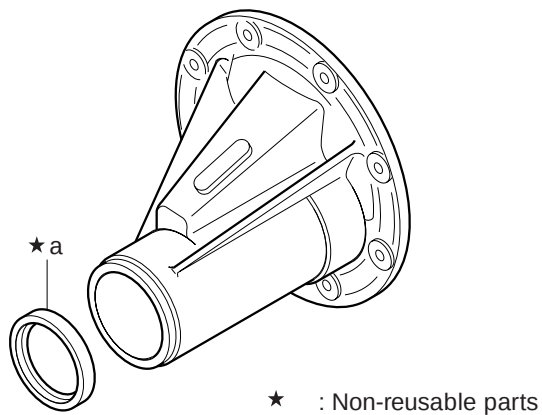
4. Remove the transfer rear drive clutch Ay.
Refer to DF-7.

DF-DO-D-B-00011

DF-4

2-1-3 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



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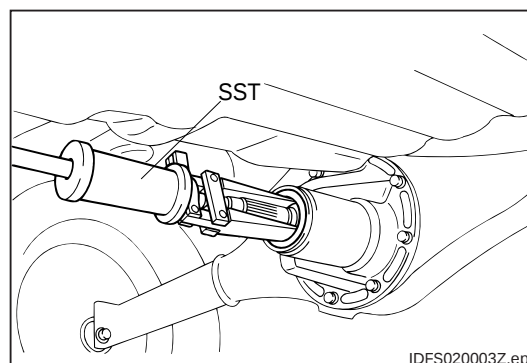
(2) REMOVAL AND INSTALLATION PROCEDURES

- ① ① a Seal, type T oil seal

DF-DO-D-T-00011

2-1-4 POINTS OF REMOVAL

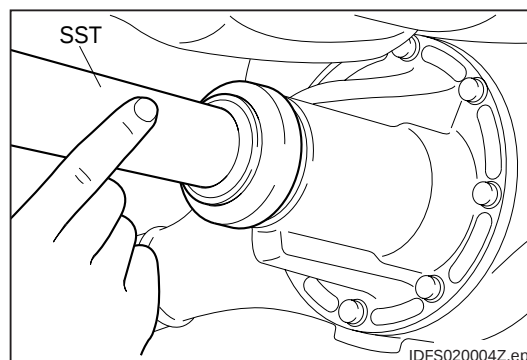
1. Remove the type T oil seal.
SST: 09308-00010-000



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DF-DO-D-D-00011

2-1-5 POINTS OF INSTALLATION

1. Install the type T oil seal.
SST: 09309-87301-000



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DF-DO-D-S-00011

2-1-6 OPERATION AFTER INSTALLATION

1. Install the transfer rear drive clutch Ay.
Refer to DF-7.

2. Install the propeller shaft.

CAUTION

- Be very careful not to apply load to the center support bearing and second joint section.

Refer to DPS-3.

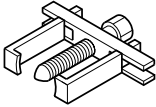
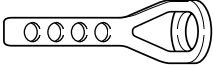
3. Fill the differential oil.
4. Jack down the vehicle.

DF-6

3 TRANSFER REAR DRIVE CLUTCH

3-1 REMOVAL AND INSTALLATION

3-1-1 PREPARATION TOOLS

	Shape	Part number, part name	Use
SST		09334-87201-000 Puller, transmission bearing	For removal of transfer rear drive clutch
		09950-20017-000 Puller, universal	For installation of transfer rear drive clutch
		09202-87202-000 Body, valve spring replacer	For installation of shaft snap ring
Tool	Snap ring expander		
Lubricant	MP grease		

DF-DCL-D-P-00011

3-1-2 OPERATION BEFORE REMOVAL

1. Jack up the vehicle.

WARNING

- Keep the position of the jackup point to avoid causing serious accident due to inclining of the vehicle.

2. Drain the differential oil.
Refer to DF-2.

3. Separation of propeller shaft Ay
(1) Separate the propeller shaft Ay at rear differential side, and hang it on a vehicles.

CAUTION

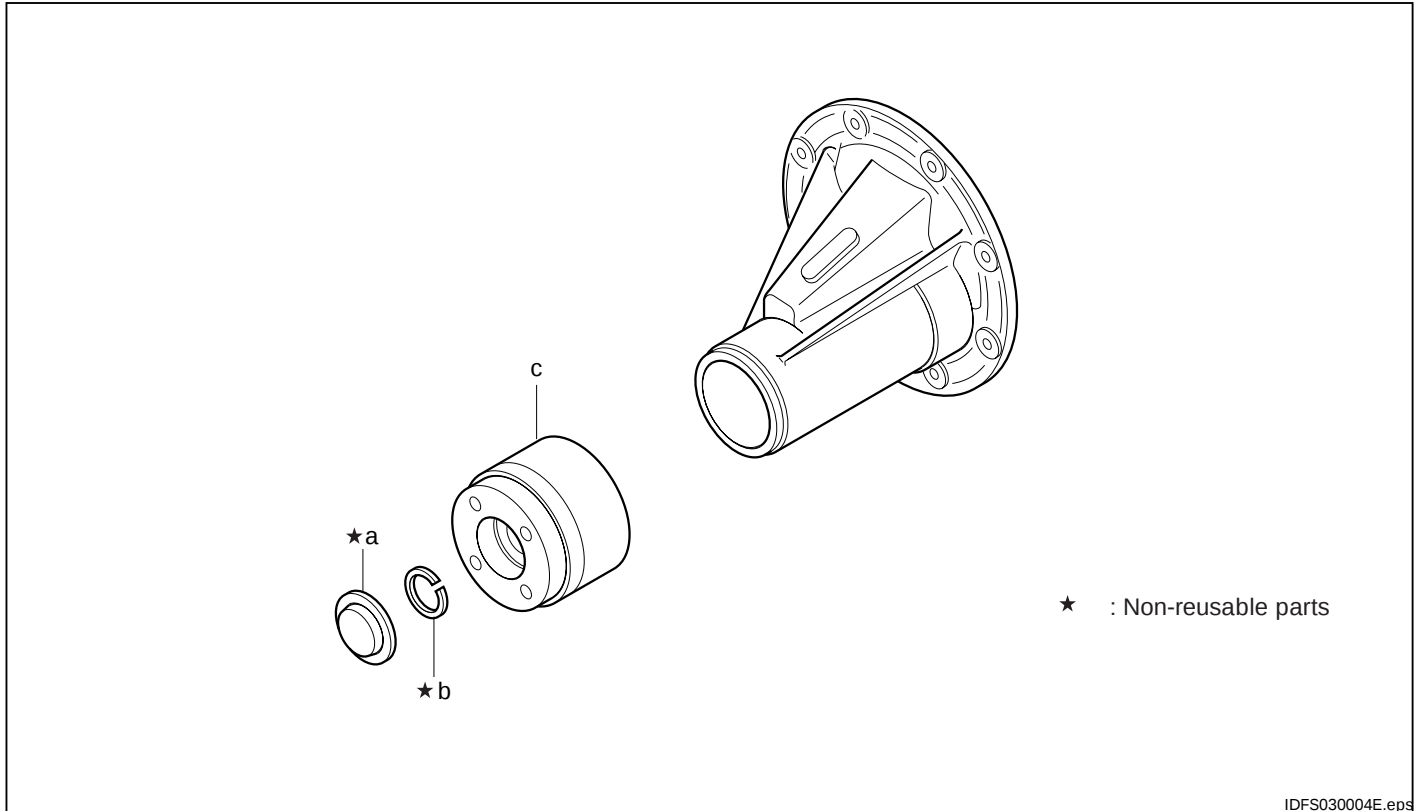
- Be very careful not to apply load to the center support bearing and second joint section.

Refer to DPS-3.

DF-DCL-D-B-00011

3-1-3 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

- ① ③ a Plug
- 2 ② b Ring, shaft snap
- ③ ① c Clutch Ay, transfer rear drive

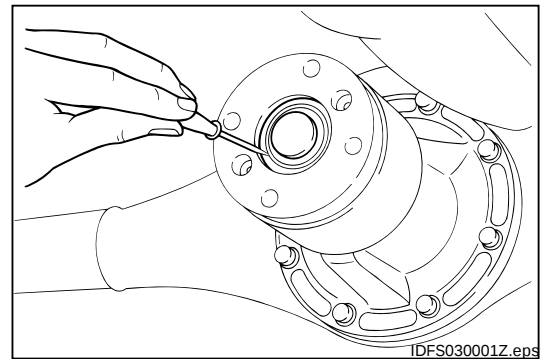
DF-DCL-D-T-00011

3-1-4 POINTS OF REMOVAL

1. Removal of the plug
 - (1) Remove the plug with a tool having a sharp edge.

CAUTION

- Be careful not to scratch the plug contact surface of the clutch Ay.

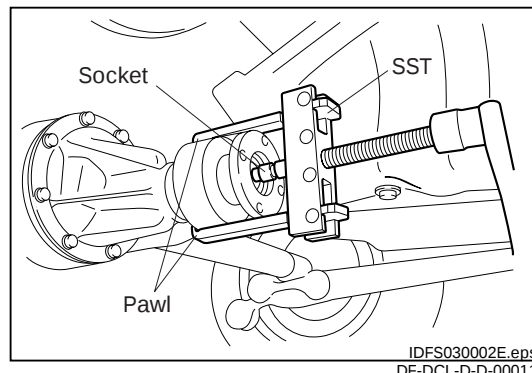


DF-8

2. Remove the transfer rear drive clutch Ay.
SST: 09334-87201-000

CAUTION

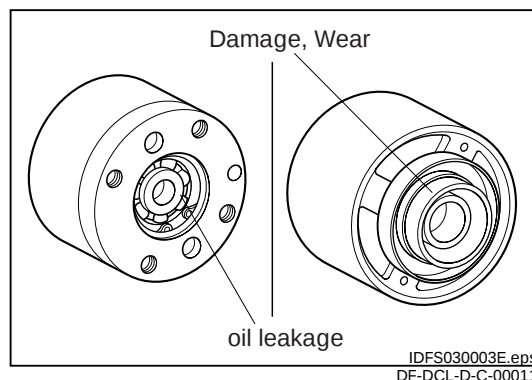
- Be careful not to allow SST pawl to be caught at the welding section of the drive clutch Ay housing.



3-1-5 INSPECTION

(1) TRANSFER REAR DRIVE CLUTCH

1. Check each portion for no abnormal condition.
 2. While turning the bearing, inspect the condition.
- SPECIFIED VALUE: Smooth turning shall be performed with no stop.
No abnormal noise shall be made.

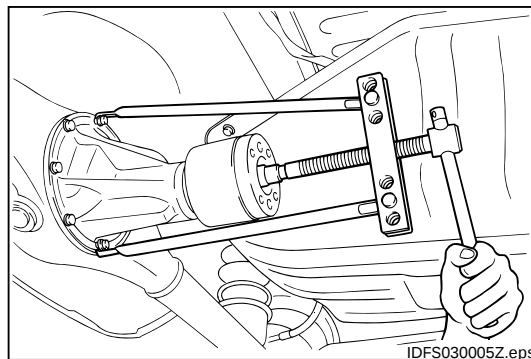


3-1-6 POINTS OF INSTALLATION

1. Installation of transfer rear drive clutch Ay
 - (1) Loosen the two fitting bolts of the differential carrier until the pawl of SST can be applied.
 - (2) Applying the socket (17mm) to the inner part of the drive clutch Ay bearing, perform press-fit of the drive clutch Ay.

CAUTION

- The lip part of the oil seal shall not face to the reverse direction.



(3) Remove the SST, tighten the fitting bolts of the differential carrier.

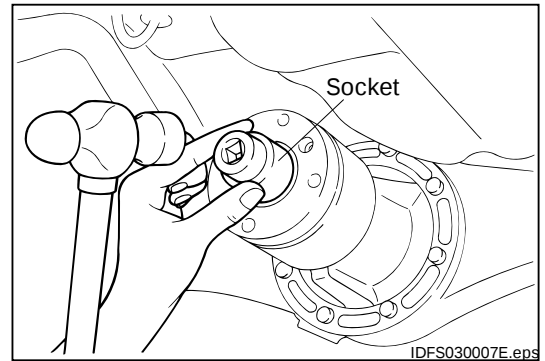
CAUTION

- Never reuse the removed bolts.

TIGHTENING TORQUE: $31.9 \pm 7.3\text{N}\cdot\text{m}$

2. Fitting of plug

(1) Knock in the plug using a socket (32mm) .



3-1-7 OPERATION AFTER INSTALLATION

1. Install the propeller shaft.

CAUTION

- Be very careful not to apply load to the center support bearing and second joint section.

Refer to DPS-26.

2. Fill the differential oil.

Refer to DF-2.

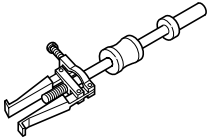
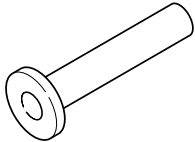
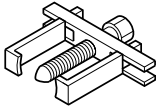
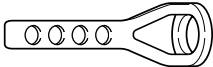
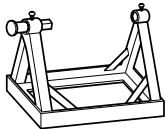
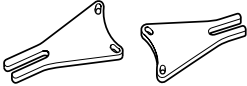
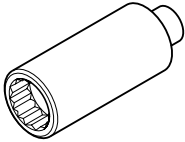
3. Jack down the vehicle.

DF-10

4 DIFFERENTIAL

4-1 REMOVAL AND INSTALLATION

4-1-1 PREPARATION TOOLS

	Shape	Part number, part name	Use
SST		09308-00010-000 Puller, oil seal	For removal of type T oil seal
		09309-87301-000 Replacer, output shaft bearing	For installation of type T oil seal
		09334-87201-000 Puller, transmission bearing	For removal of transfer rear drive clutch
		09950-20017-000 Puller, universal	For installation of transfer rear drive clutch
		09202-87202-000 Body, valve spring replacer	For installation of shaft snap ring
		09219-87202-000 Stand, engine overhaul	For differential disassembly/disassembly
		09548-87201-000 Attachment, differential overhaul	For differential disassembly/disassembly
		09564-87201-000 Socket, drive pinion lock nut	For removal/installation drive pinion lock nut
Tool	Snap ring expander		
Instrument	Torque wrench		
Lubricant	Gear oil SAE 80W-90(API GL-5), ThreeBond 1104, MP grease		

4-1-2 OPERATION BEFORE REMOVAL

1. Jack up the vehicle.

WARNING

- Keep the position of jackup point to avoid causing serious accident due to inclining of the vehicle.

2. Drain the differential oil.
Refer to DF-2.

3. Remove the wheels.

4. Separation of propeller shaft Ay

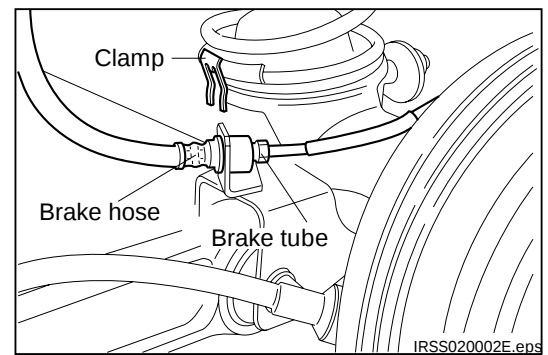
(1) Separate the propeller shaft Ay at rear differential side, and hang it on a vehicles.

CAUTION

- Be very careful not to apply load to the center support bearing and second joint section.

Refer to DPS-26.

5. Remove the rear speed sensor.
6. Separate the flexible hose and brake tube.



7. Removal of backing plate

(1) Remove the backing plate as the drum brake is in assembled condition.

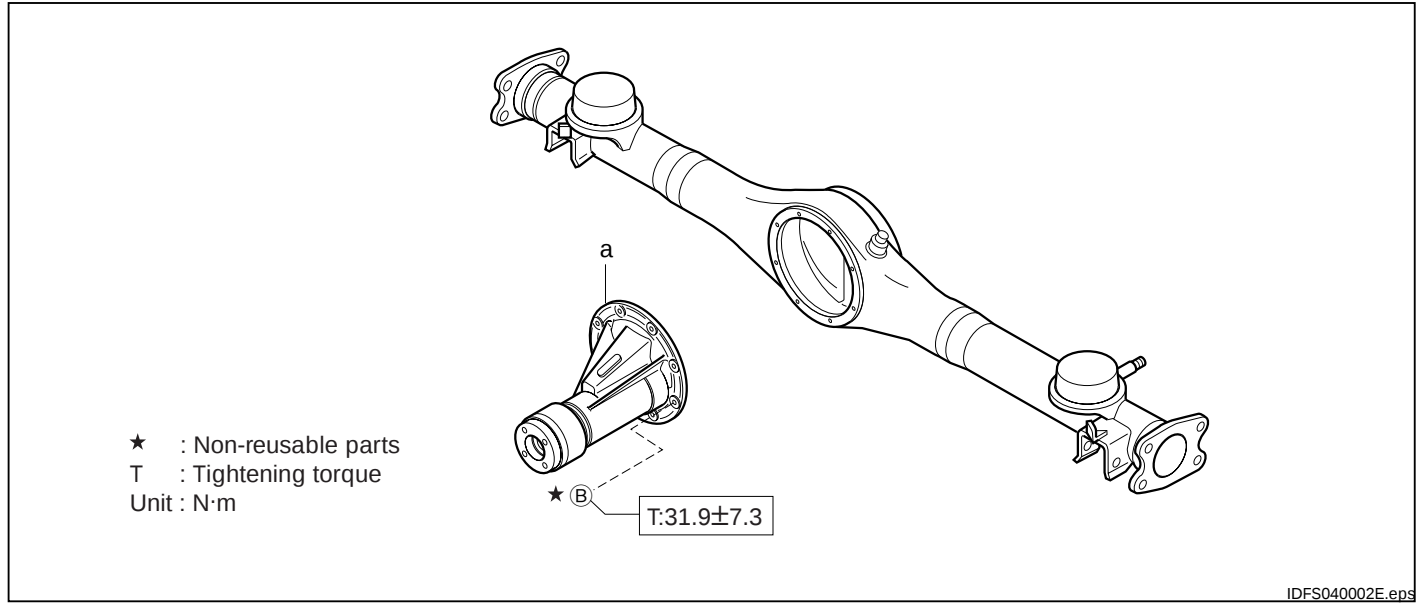
Refer to BR-37.

8. Remove the rear axle shaft.
Refer to RS-12.

DF-12

4-1-3 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



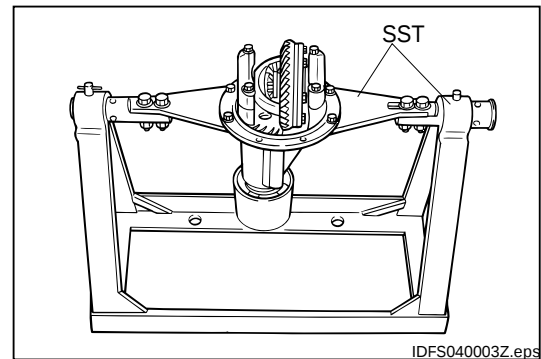
(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 1 a Carrier Ay, differential

DF-DF-D-T-00011

4-1-4 INSPECTION

1. Set the differential carrier Ay to the disassembly stand.
SST: 09219-87202-000
09548-87201-000

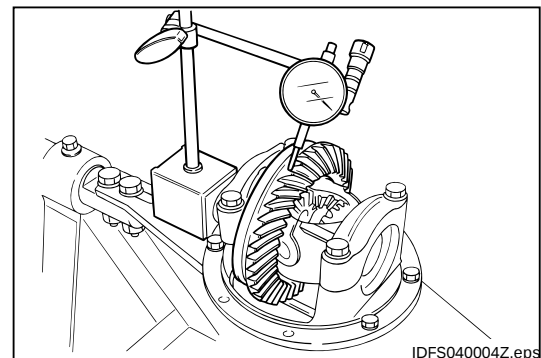


(1) Backlash check of differential ring gear

1. Apply dial gauge at right angle to the ring gear surface.
2. Fixing the drive pinion flange, measure the backlash by moving the ring gear.
SPECIFIED VALUE: 0.08-0.15mm

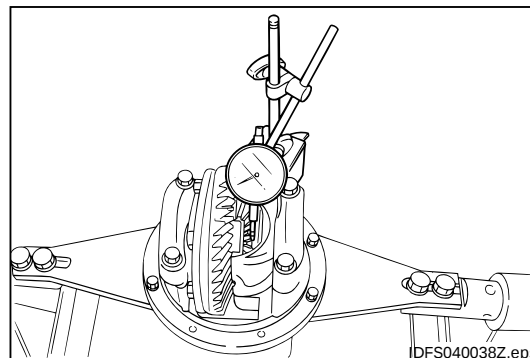
NOTE

- Measure it at more than three points at the same circumference of the ring gear.



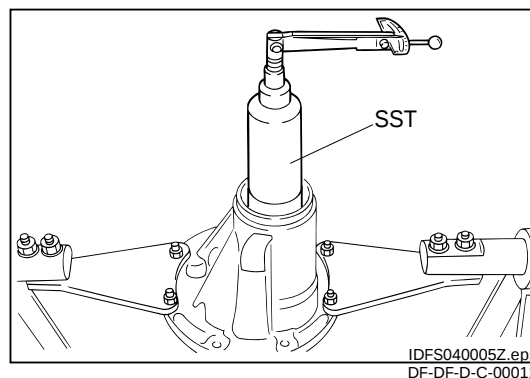
(2) Backlash check of differential side gear

1. Apply the dial gauge on right angle to the side gear tooth surface.
 2. Fixing the pinion in the side of the differential case, measure the backlash between the pinion and the side gear.
- SPECIFIED VALUE: 0.05-0.20mm



(3) Check of preload of drive pinion

1. Remove the plug.
Refer to DF-7.
2. Remove the transfer rear drive clutch Ay.
Refer to DF-7.
3. Remove the type T oil seal.
Refer to DF-4.
4. Measure the preload of the drive pinion.
SST: 09564-87201-000
SPECIFIED VALUE: Pre-load
0.59-0.98N·m



DF-14

4-1-5 OPERATION AFTER INSTALLATION

1. Install the rear axle shaft.
Refer to RS-12.
2. Install the rear brake and backing plate.
Refer to BR-37.
3. Install the brake drum.
Refer to BR-26.
4. Connection of the flexible hose and the brake tube
(1) Fasten union nut temporarily by hand until the flare part of the tube contact tightly to the seat.
(2) Tighten the union nut to specified torque.
TIGHTENING TORQUE: $15.2 \pm 2.5\text{N}\cdot\text{m}$
5. Install the rear speed sensor.
6. Install the propeller shaft.

CAUTION

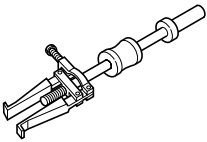
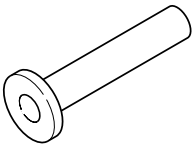
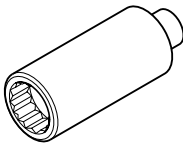
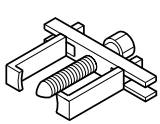
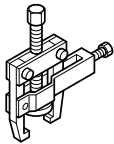
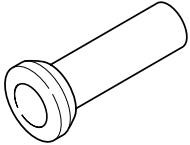
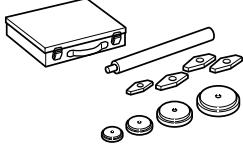
- Be very careful not to apply load to the center support bearing and second joint section.

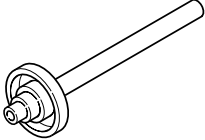
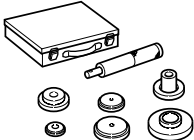
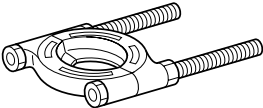
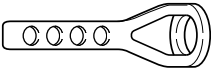
Refer to DPS-3.

7. Fill the differential oil.
Refer to DF-2.
8. Install the wheels.
TIGHTENING TORQUE: $103.0 \pm 14.7\text{N}\cdot\text{m}$
9. Jack down the vehicle.

4-2 DISASSEMBLY AND ASSEMBLY

4-2-1 PREPARATION TOOLS

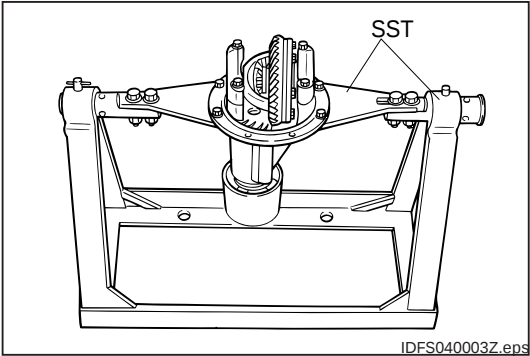
	Shape	Part number, part name	Use
SST		09308-00010-000 Puller, oil seal	For removal of type T oil seal
		09309-87301-000 Replacer, output shaft bearing	For installation of type T oil seal
		09564-87201-000 Socket, drive pinion lock nut	For removal/installation drive pinion lock nut
		09334-87201-000 Puller, transmission bearing	For removal of transfer rear drive clutch
		09950-20017-000 Puller, universal	For installation of transfer rear drive clutch
		09502-10012-000 Puller, differential side bearing	For removal of differential side bearing side
		09309-87201-000 Replacer, transmission bearing	For installation of differential side bearing side
		09608-87501-000 Tool set, axle hub&drive pinion bearing	For removal of taperd roller bearing (front and rear, outer race) Installation of taperd roller bearing (rear, outer race)

	Shape	Part number, part name	Use
SST		09517-87703-000 Replacer, oil seal	Installation of tapered roller bearing (front, outer race)
		09608-12010-000 Replacer set, front hub & drive pinion bearing	Installation of tapered roller bearing (rear, inner race)
		09950-87701-000 Attachment, bearing pulling	For removal of tapered roller bearing (rear, inner race)
		09202-87202-000 Body, valve spring replacer	For installation of shaft snap ring
Tool	Snap ring expander		
Instrument	Torque wrench		
Lubricant	Gear oil SAE 80W-90 (API GL-5), MP grease		

DF-DF-B-P-00011

4-2-2 OPERATION BEFORE DISASSEMBLE

- 1. Set the differential carrier Ay to the disassembly stand.
SST: 09219-87202-000
09548-87201-000



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DF-DF-B-B-00011

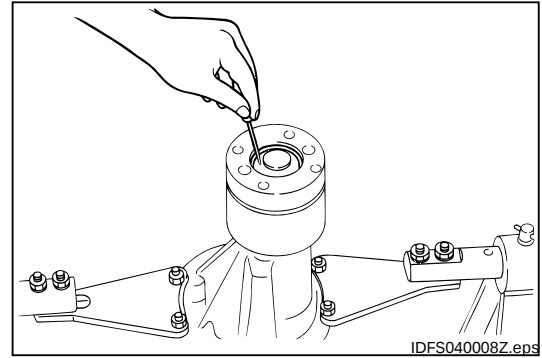


①	②②	a	Plug	12	11	l	Pinion, differential
2	②1	b	Ring, shaft snap	13	10	m	Gear, differential side
③	②0	c	Clutch Ay, rear drive	14	9	n	Washer, differential side gear, thrust
④	①9	d	Seal ,type T oil	15	⑧	o	Washer, plate
⑤	①8	e	Cap, differential bearing	①6	⑦	p	Pinion, differential drive
6	17	f	Case Ay, differential	①7	⑥	q	Bearing, tapered roller (Front)
7	①6	g	Shim, No.3	①8	⑤	r	Shim (For Pre-load adjusting)
⑧	①5	h	Bearing	19	4	s	Spacer, drive pinion bearing
⑨	14	i	Gear, differential ring	②0	③	t	Shim (For adjustment of the Protruded amount of the drive pinion)
10	13	j	Case S/A, differential	②1	②	u	Bearing, tapered roller (rear)
11	12	k	Shaft, differential pinion	22	1	v	Carrier, differential

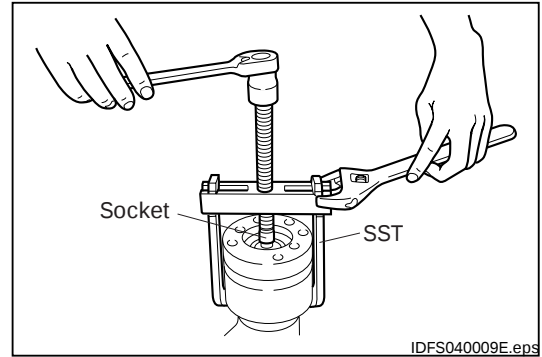
DF-18

4-2-4 POINTS OF DISASSEMBLY

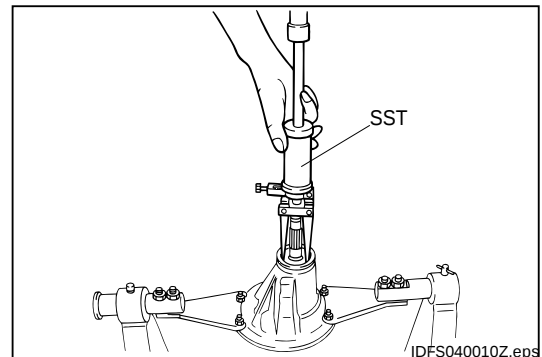
1. Removal of plug
 - (1) Remove the plug with a tool having a sharp edge.**CAUTION**
 - Be careful not to scratch the plug contact surface of the clutch Ay.



2. Remove the rear drive clutch Ay.
SST: 09334-87201-000



3. Remove the type T oil seal.
SST: 09308-00010-000



4. Removal of bearing cap

- (1) Put mating marks on the differential bearing cap and carrier using a punch and hammer, and then remove the bearing cap.

CAUTION

- Since the differential bearing cap has been manufactured integrally with the carrier, never disturb the combination of these components.

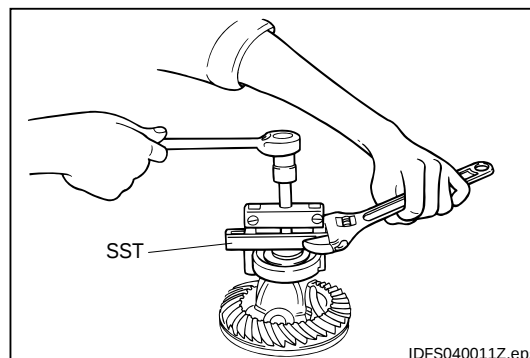
5. Remove the differential case Ay and shim No.3 .

NOTE

- For easier assembling, keep the shims in order, separating the shim for the back of the gear from that for the teeth surface side.

6. Remove bearings.

SST: 09502-10012-000



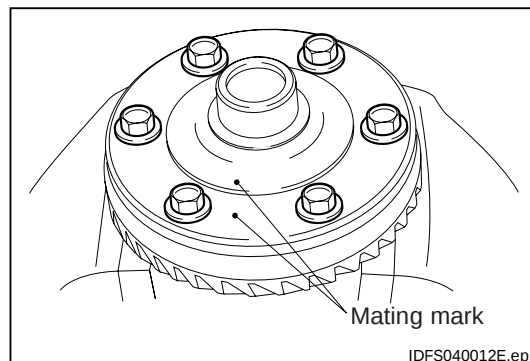
7. Disassembling of differential case S/A

- (1) Install the differential case in a vice with aluminum sheets interposed.

- (2) Put mating marks on the differential case and differential ring gear. Then, remove the differential ring gear.

NOTE

- When it is difficult to remove the ring gear, remove it by lightly tapping with a plastic hammer.



- (3) Pull out the differential pinion shaft. Remove the differential side gears, differential pinions and side gear thrust washers.

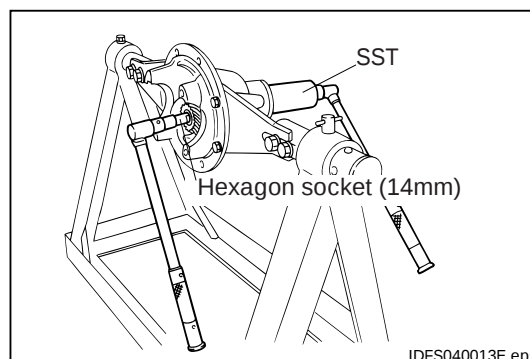
NOTE

- Keep the differential side gear and the thrust washer as a set.

8. Removal of differential drive pinion

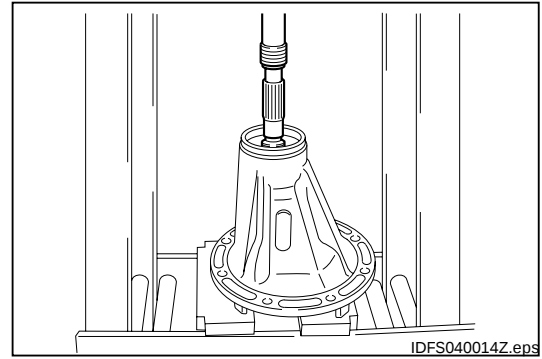
- (1) Prevent the differential drive pinion from turning by installing a socket (14mm) to the head section and remove the differential drive pinion.

SST: 09564-87201-000

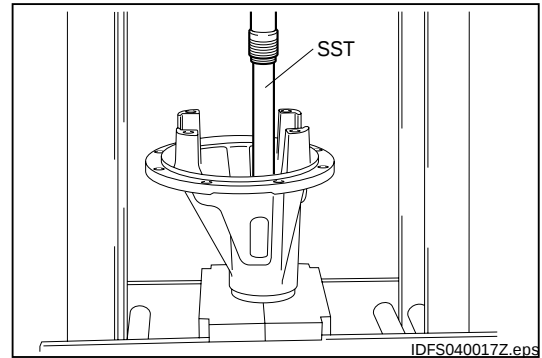


DF-20

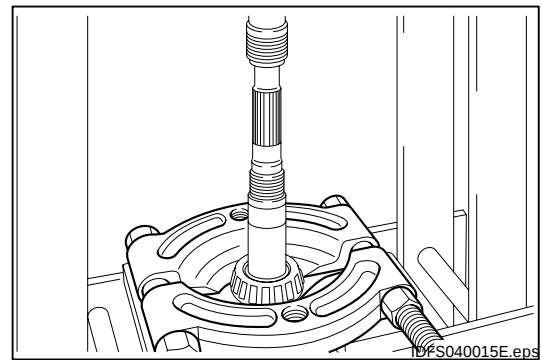
- (2) Remove the differential drive pinion, using a hydraulic press.



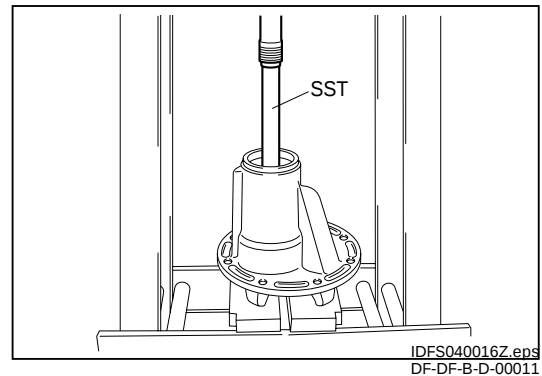
9. Removal of the tapered roller bearing (front)
(1) Remove the outer lace of the tapered roller bearing (front) remained in the differential carrier S/A.
SST: 09608-87501-000



10. Removal of the tapered roller bearing (rear)
(1) Remove the inner race of the tapered roller bearing (rear) remained in the differential drive pinion.
SST: 09950-87701-000



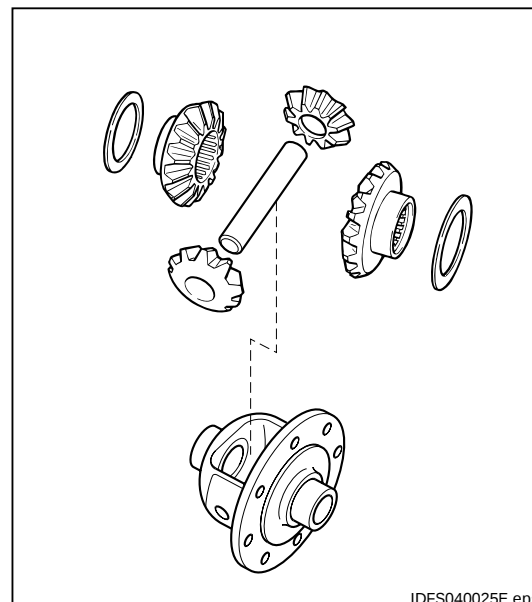
- (2) Remove the outer race of the tapered roller bearing (rear) remained in the differential carrier S/A.
SST: 09608-87501-000



4-2-5 INSPECTION

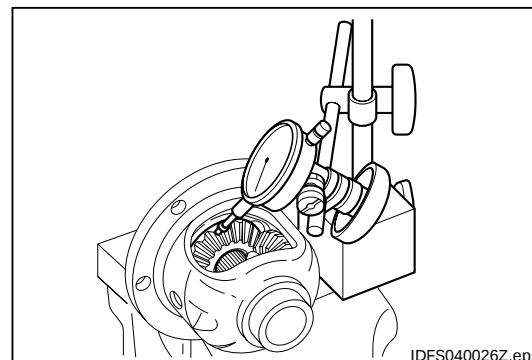
(1) Adjustment of the backlash of differential side gear (selection of side gear thrust washer)

1. Assemble differential case Ay.



2. Apply the dial gauge on the right angle to the teeth surface of differential side gear.
3. Fixing the differential drive pinion in the side of the differential case, measure the backlash of the differential side gear.

SPECIFIED VALUE: 0.05-0.20mm



4. If the backlash is not within the specified value, adjust it by selecting a suitable thrust washer from the table.

SPECIFIED VALUE: THRUST WASHER SELECTION

TABLE

Part Number(Reference)	Thickness(mm)
41361-87501-000	0.8
41361-87506-000	0.9
41361-87507-000	1

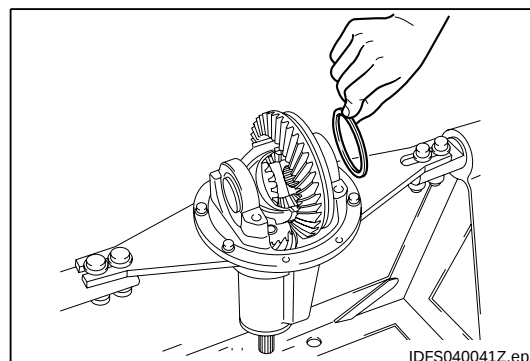
DF-22

(2) Adjustment of ring gear backlash (Select the shim No.3)

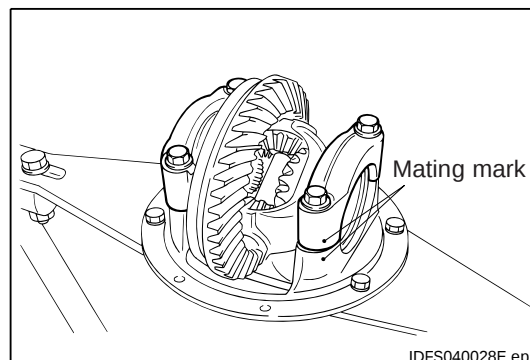
1. Assemble following parts:
 - m Differential carrier
 - m Tapered roller bearing (rear)
 - m Shim (for adjustment of the protruded amount of the drive pinion)
 - m Tapered roller bearing (front)
 - m Differential drive pinion
 - m Differential ring gear

Refer to DF-28.

2. Assemble the differential case Ay to the differential carrier.
3. Insert the shim No.3 which was removed during the dis-assembling to the back side of the ring gear.



4. Press the differential case Ay against the shim inserted.
5. Assemble the differential bearing cap, while aligning the mating marks.



6. Apply the dial gauge on the right angle to the tooth surface of differential side gear.
7. Fixing the drive pinion flange, measure the backlash of the ring gear.
SPECIFIED VALUE: 0.08-0.15 A

8. If the backlash is not within the specified value, adjust it by selecting a suitable shim from the table.
SPECIFIED VALUE: SHIM SELECTION TABLE

Part Number(Reference)	Thickness(A)
90045-64500-000	0.15
90045-64501-000	0.2
90045-64502-000	0.25
90045-64503-000	0.5

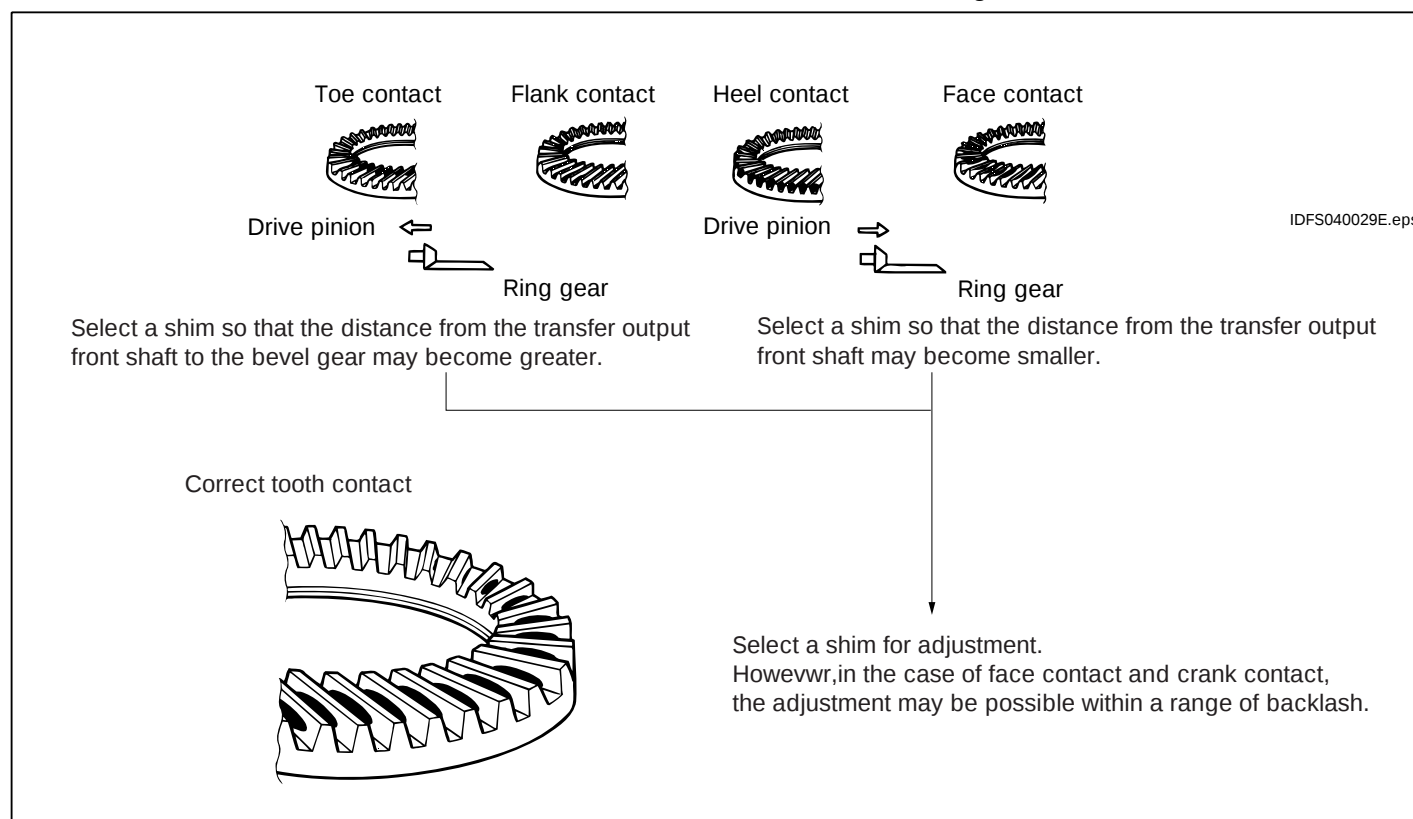
(3) Adjustment of end play of differential case

1. Assemble following parts:
 - m Differential carrier
 - m Tapered roller bearing (rear)
 - m Shim (for adjustment of the protruded amount of the drive pinion)
 - m Tapered roller bearing (front)
 - m Differential drive pinionRefer to DF-28.
2. Assemble the differential case to the differential carrier Ay.
3. Insert the shim No.3 removed in the tooth surface side of the ring gear.
4. Measure the gap between the bearing in the tooth side of the ring gear and the differential carrier Ay.
SPECIFIED VALUE: 0-0.05 A
5. If the backlash is too large, increase the shim thickness.
Conversely, if the backlash is too small, decrease the shim thickness.
SPECIFIED VALUE: SHIM SELECTION TABLE

Part Number(Reference)	Thickness(A)
90045-64500-000	0.15
90045-64501-000	0.2
90045-64502-000	0.25
90045-64503-000	0.5

(4) Adjustment of teeth contact of ring gear (Select the shim No.3)

- Assemble the following parts:
 - m Differential carrier
 - m Tapered roller bearing (rear)
 - m Shim (for the adjustment of the protruded amount of the drive pinion)
 - m Tapered roller bearing (front)
 - m Differential drive pinion
 - m Differential case
 - m Shim No.3
 - m Differential bearing cap
 Refer to DF-28.
- Apply a thin film of red lead evenly to the both sides of the ring gear teeth surface.
- Turn the drive pinion in the normal direction and reverse direction.
- Check the teeth contact of the ring gear at the several points at the ring gear circumference.
- In view of the tooth contact condition, select a suitable shim according to the table.



SPECIFIED VALUE: SHIM SELECTION TABLE

Part Number(Reference)	Thickness(A)
90045-64049-000	0.15
90045-64050-000	0.2
90045-64051-000	0.25
90045-64052-000	0.5

(5) The preload adjustment of the differential drive pinion (selection of shims for adjusting preload)

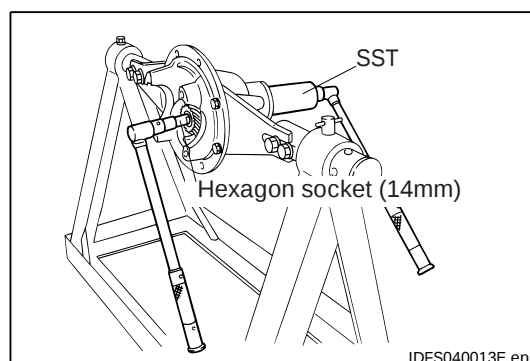
1. Assemble the following parts:
 - m Differential carrier
 - m Tapered roller bearing (rear)
 - m Shim (for the adjustment of the preload)
 - m Drive pinion bearing spacer
 - m Shim (for adjustment of the protruded amount)
 - m Tapered roller bearing (front)

CAUTION

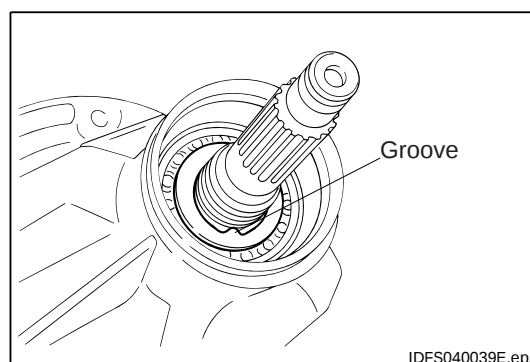
- n Check the shim for wear and damage. If the shim exhibits wear or damage, assemble a new shim which has the same thickness.

Refer to DF-28.

2. Prevent the differential drive pinion from turning by installing a socket (14A) to the head section and remove the differential drive pinion.
SST: 09564-87201-000



3. Remove the nut.
4. Install the plate washer, while aligning it to the cut-out section of the drive pinion.

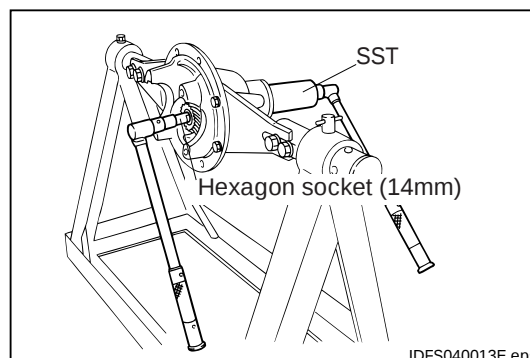


DF-26

- Prevent the differential drive pinion from turning by installing a socket (14mm) to the head section and remove the differential drive pinion.
SST: 09564-87201-000

CAUTION

- Before tightening the nut, make sure that the plate washer is properly fit into the cut-out section of the drive pinion.



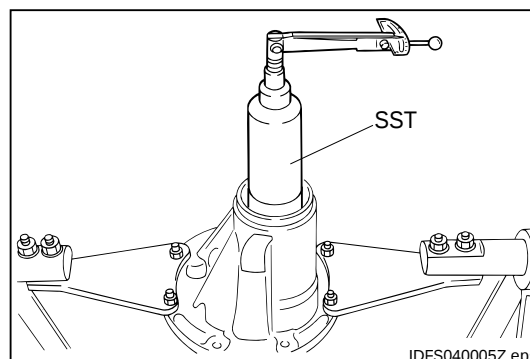
- After the assembling, turn the drive pinion in the normal direction and reverse direction several times so that the bearing is bedded-in.
- Measure the bearing preload of the drive pinion.

SPECIFIED VALUE: Pre-load

0.59-0.98N·m

SPECIFIED VALUE: SHIM SELECTION TABLE

Part Number(Reference)	Thickness(mm)
90045-64529-000	0.25
90045-64530-000	0.3
90045-64531-000	0.4
90045-64532-000	0.5

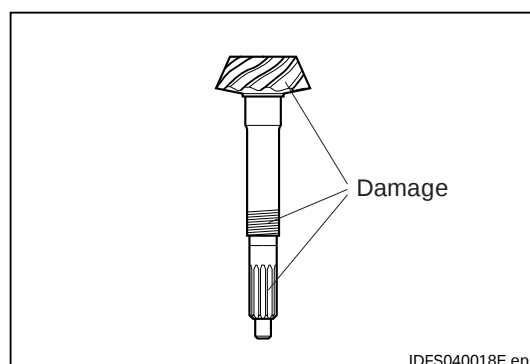


(6) DIFFERENTIAL DRIVE PINION

- Check each portion for no abnormal condition.

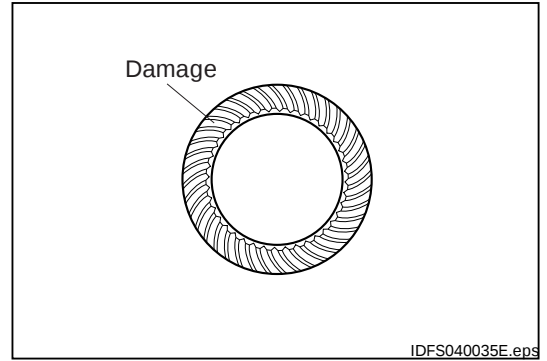
CAUTION

- When replacing it, replace it as a set including the differential ring gear.



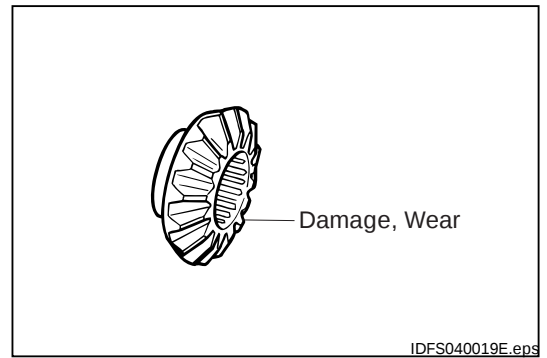
(7) DIFFERENTIAL RING GEAR

1. Check each portion for no abnormal condition.
2. When replacing it, replace it as a set including the differential drive pinion.



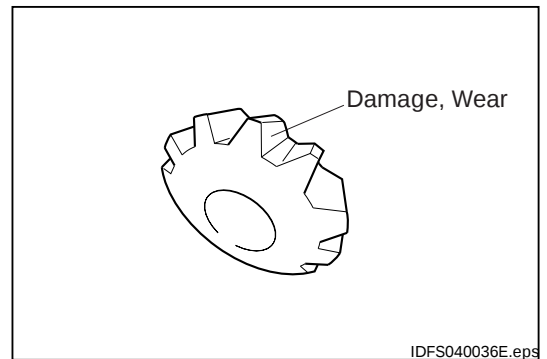
(8) DIFFERENTIAL SIDE GEAR

1. Check each portion for no abnormal condition.



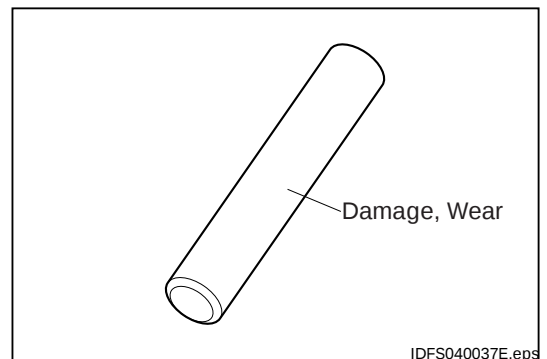
(9) DIFFERENTIAL PINION

1. Check each portion for no abnormal condition.



(10) DIFFERENTIAL PINION SHAFT

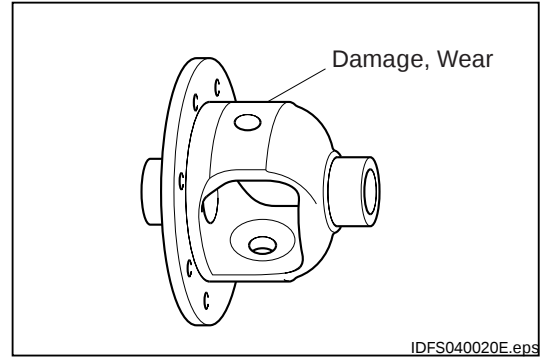
1. Check each portion for no abnormal condition.



DF-28

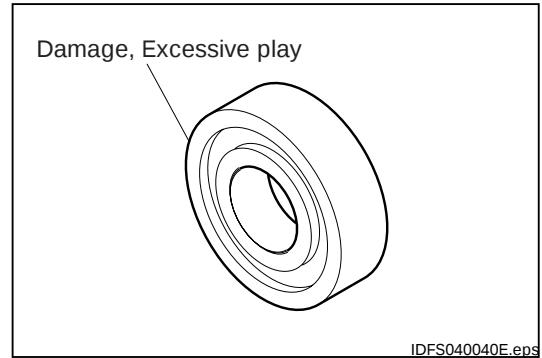
(11) DIFFERENTIAL CASE

1. Check each portion for no abnormal condition.



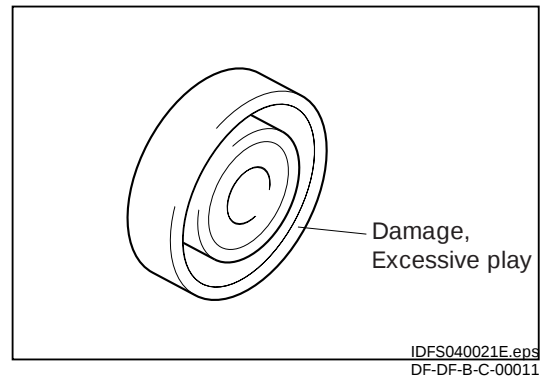
(12) TAPERED ROLLER BEARING

1. Inspect condition while turning the bearing.
SPECIFIED VALUE: It shall turn smoothly without stop.
There shall be no abnormal noise.



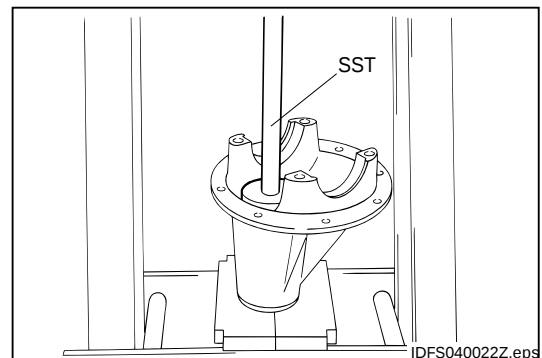
(13) BEARING

1. Inspect condition while turning the bearing.
SPECIFIED VALUE: It shall turn smoothly without stop.
There shall be no abnormal noise.



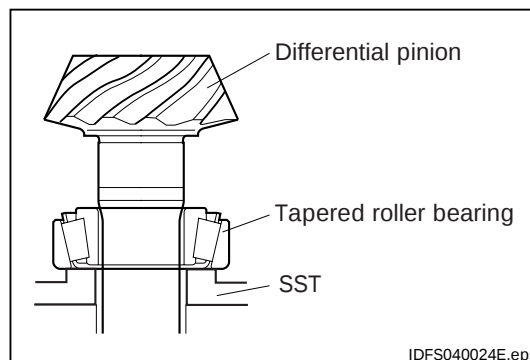
4-2-6 POINTS OF ASSEMBLY

1. Assembling of the tapered roller bearing (rear) and shim (for adjustment of the protruded amount of the drive pinion)
(1) Using hydraulic press, assemble the shim (for adjustment of the protruded amount of the drive pinion) together with the outer lace of the tapered roller bearing (rear) to the differential case.
SST: 09517-87703-000



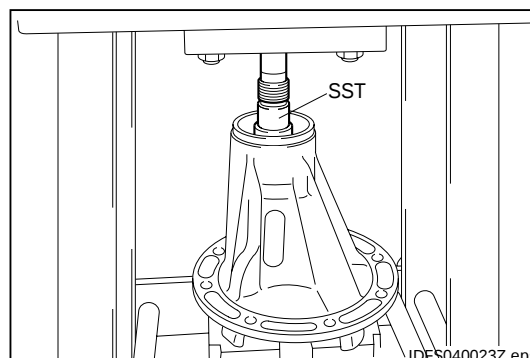
- (2) Using a press, perform press-fit of the inner lace of the tapered roller bearing (rear) to the differential drive pinion.

SST: 09608-12010-000

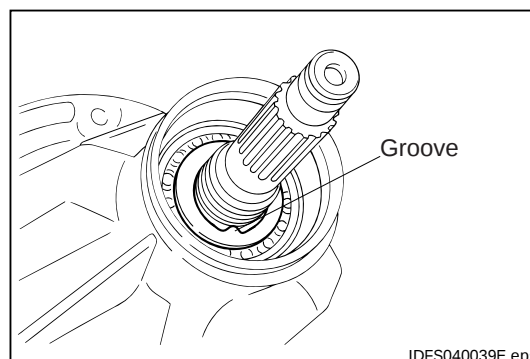


- (3) Using the press, assemble the outer lace of the tapered roller bearing (rear) to the differential case S/A.

SST: 09608-87501-000



- (4) Install the plate washer, while aligning it to the cut-out section of the drive pinion.



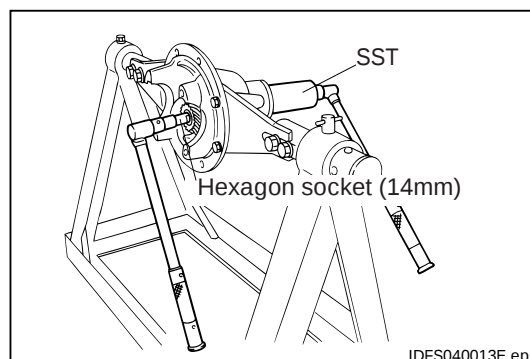
- (5) Prevent the differential drive pinion from turning by installing a socket (14mm) to the head section and remove the differential drive pinion.

CAUTION

- Before tightening the nut, make sure that the plate washer is properly fit into the cut-out section of the drive pinion.

SST: 09564-87201-000

SPECIFIED VALUE: Pre-load
0.59-0.98N·m

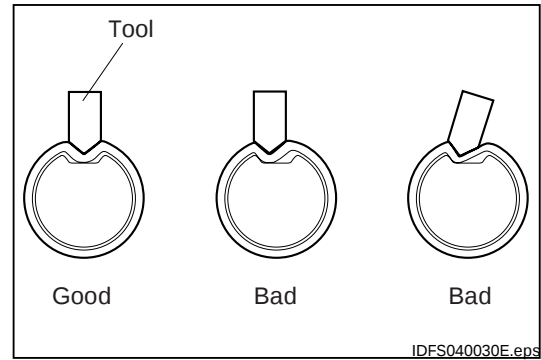


DF-30

- (6) After the assembling, turn the drive pinion in the normal direction and reverse direction several times so that the bearing is bedded-in.
- (7) Stake the nut securely to the bottom of the groove of the drive pinion.

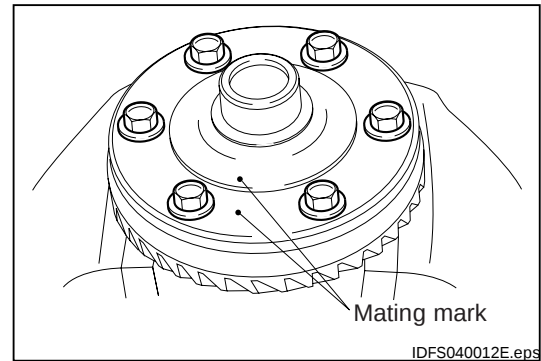
CAUTION

- The direction of staking shall be toward the center of the drive pinion.



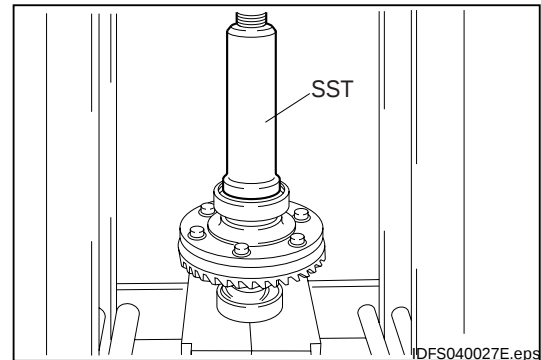
2. Installation of the differential ring gear

- (1) Assemble the differential ring gear, while aligning the mating marks.

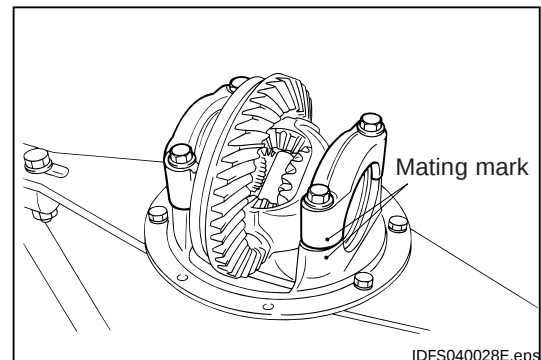


3. Installation of bearing

- (1) Using a press, install the bearing.
SST: 09309-87201-000



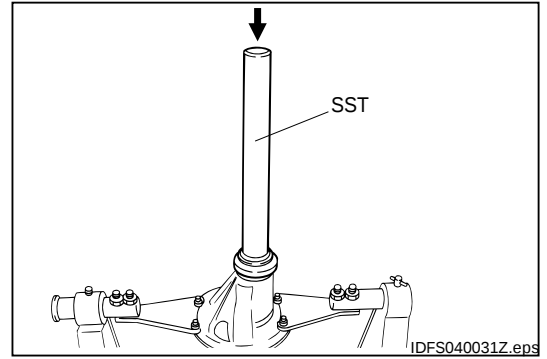
4. Assemble the differential bearing cap, while aligning the mating marks.



5. Assembling of type T oil seal

- (1) Perform press fit of the type T oil seal up to the end surface of the carrier.

SST: 09309-87301-000

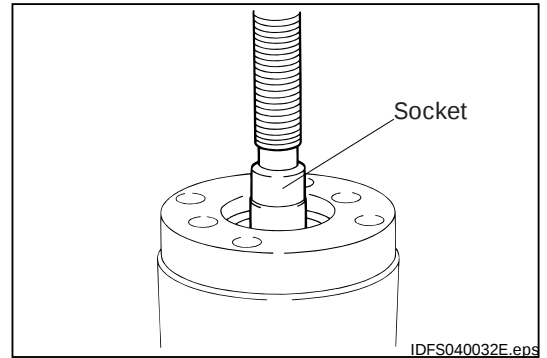


6. Assembling of transfer rear drive clutch Ay

- (1) Applying socket (17mm) to the inner part of the drive clutch Ay bearing, perform press-fit of the drive clutch Ay using a press.

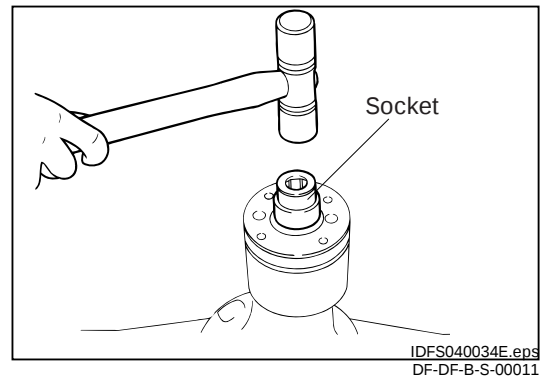
CAUTION

- When assembling the transfer rear drive clutch Ay, be careful not to allow the sub lip of the oil seal to face toward the reverse direction.



7. Assembling of plug

- (1) Using socket (32mm) , knock in the plug.



5 TIGHTENING TORQUE

Tightening components			N·m	kgf·cm
Filler plug	×	Rear axle housing	61.25 ± 7.35	625 ± 75
Drain plug	×	Rear axle housing	61.25 ± 7.35	625 ± 75
Rear differential	×	Rear axle housing	31.9 ± 7.3	325 ± 75
Differential bearing cap	×	Differential carrier	46.6 ± 7.3	475 ± 75
Differential case	×	Differential ring gear	83.4 ± 4.9	850 ± 50

DF-TQE-Z-Z-00011