

TRANSFER

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TRANSFER
SPECIFICATIONS

Item		Specifications		
Type of transfer		T1E-N1		
Gear ratio and Number of teeth		Number of teeth		Gear ratio
Transfer	Helical gear	Drive	41	0.707
		Driven	29	
	Bevel gear	Drive	37	0.459
		Driven	17	
Rear differential (Reference)	Bevel gear	Drive	13	3.077
		Driven	40	
Total gear ratio				1.000
Fluid to be used		SAE 75W-85, API GL-5		
Full capacity		0.4 liter		

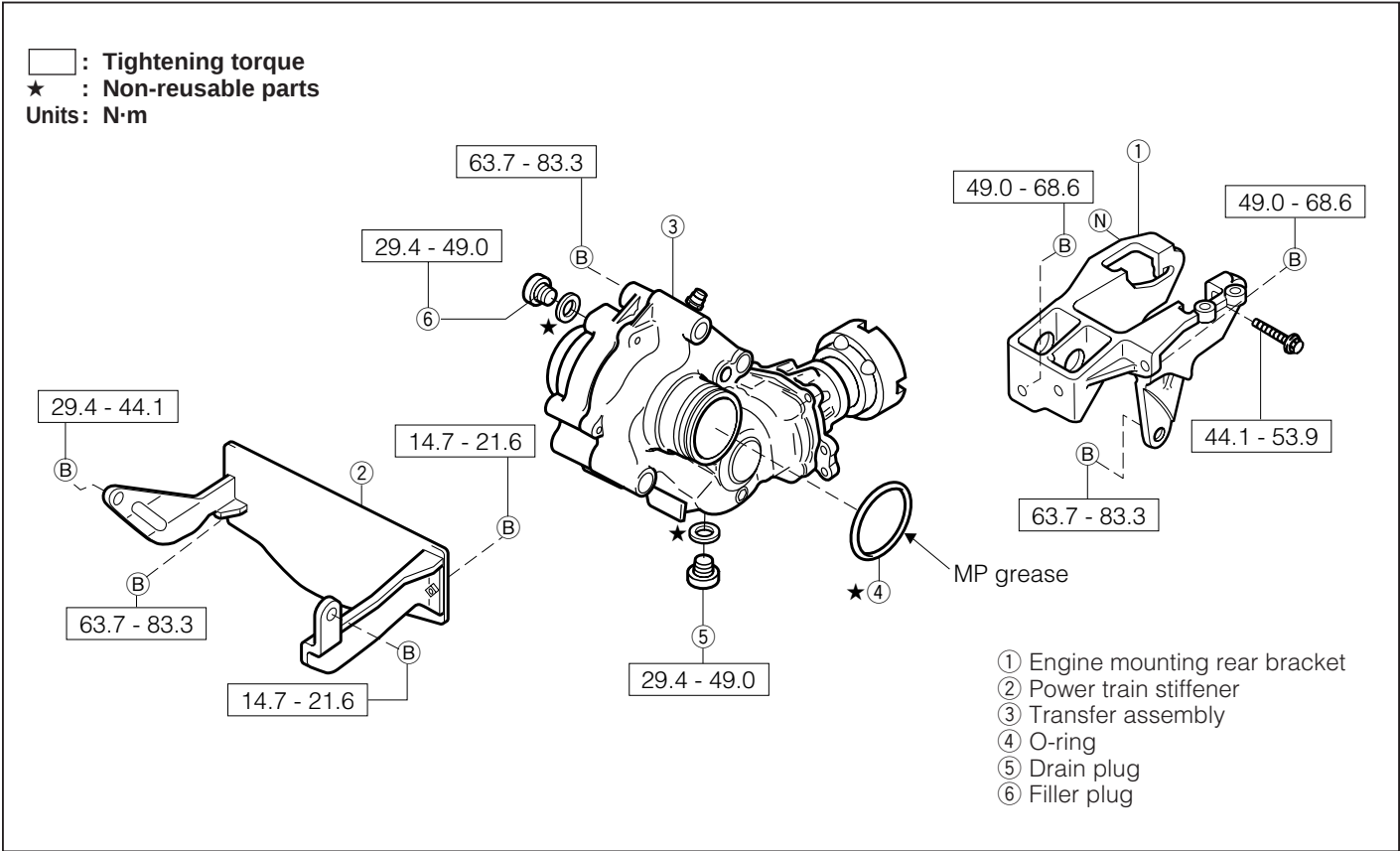
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INSTRUCTION

This section explains the removal/installation procedures for the transfer assembly from or to the vehicle.
for disassembling, checking and assembling procedures for the transfer assembly, refer to the separate Service Manual for type T1E-N1 Transfer.
Service Manual: TYPE T1E-N1 Transfer No. 9730

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COMPONENTS



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REMOVAL

1. Disconnect the negative (–) terminal of the battery.

NOTE:

- It should be noted that the diagnosis results and the memory of the radio, etc. will be erased when the cable is disconnected from the negative (–) terminal of the battery.

2. Lift up the vehicle.
3. Drain the transaxle oil.
4. Remove the exhaust pipe.
5. Remove the propeller shaft.
6. Remove the front drive shaft on the right side.
7. Remove the shift & select rod and extension rod on the transaxle side. (M/T vehicle)

NOTE:

- Be sure to hang the removed rods with ropes or the like.

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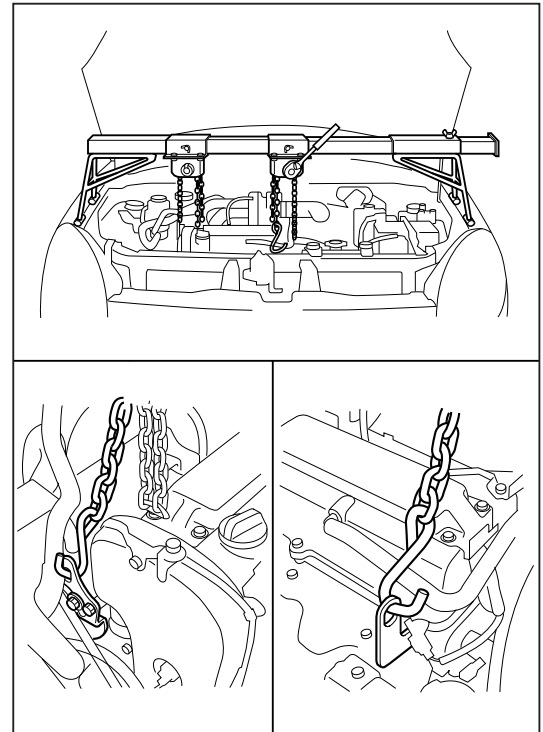
8. With the engine supported with an engine support bridge, remove the engine mounting rear bracket.

Tool: Engine support bridge

9. Remove the engine mounting rear bracket.
10. Remove the transfer assembly.

NOTE:

- It is not necessary to drain the oil of the transfer.
- If any difficulty is encountered in the removal, lightly tap the flange section with a plastic hammer.



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INSTALLATION

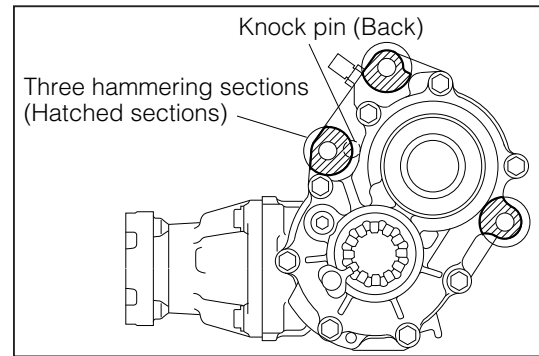
NOTE:

- In principle, reverse the removal procedure to perform the installation.
- The following shows the main points of the installation.

1. Apply gear oil to the new O-ring. Assemble the O-ring to the transfer, being very careful not to scratch the O-ring.
2. Install the transfer assembly.
 - (1) Apply MP grease to the entire periphery of the O-ring.
 - (2) While aligning the transfer with the splined section of the transaxle, push the transfer, until the knock pin contacts the case.

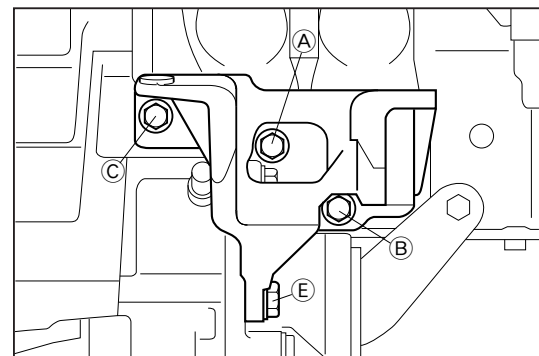
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- (3) With the knock pin aligned with the knock pin hole on the transaxle side, tap the hatched sections shown in the right figure with a plastic hammer, until the mating surfaces are aligned.



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3. Install the engine mounting rear bracket.
 - (1) Temporarily tighten the engine mounting rear bracket to the engine block by means of the bolt (A).
 - (2) Tighten the bolts (C) and (B) in this sequence to the specified torque.
 - (3) Tighten the bolt (A) to the specified torque.
Specified Tightening Torque: 49.0 - 68.6 N·m
 - (4) Tighten the bolt (E) to the specified torque.
Specified Tightening Torque: 63.7 - 83.3 N·m



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4. Connect the insulator with the mounting bracket.

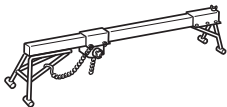
OPERATIONS AFTER INSTALLATION

1. Install the shift & select rod and extension rod.
2. Install the front drive shaft on the right side.
3. Install the propeller shaft.
(Refer to Section PR.)
4. Install the exhaust pipe.
5. Fill transfer oil if the transfer assembly has been disassembled and assembled.
(Refer to the TR unit section in the separate book.)
6. Fill transmission oil.
7. Install the negative (-) terminal of the battery.

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APPENDIX

TOOLS

Shape	Part number and part name	Use
	ESB-2 Engine support bridge	For hanging engine and transmission (Handled by Banzai Ltd.)

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TIGHTENING TORQUE

Tightening components	Tightening torque	
	N·m	kgf·m
Transfer assembly × Transmission	63.7 - 83.3	6.5 - 8.5
Rear mount insulator × Rear mount bracket	44.1 - 53.9	4.5 - 5.5
Rear mount bracket × Engine assembly	49.0 - 68.6	5.0 - 7.0
Stiffener power train × Transmission	63.7 - 83.3	6.5 - 8.5
	14.7 - 21.6	1.5 - 2.2
Stiffener power train × Engine assembly	29.4 - 44.1	3.0 - 4.5
	14.7 - 21.6	1.5 - 2.2
Filler plug × Transfer assembly	29.4 - 49.0	3.0 - 5.0
Drain plug × Transfer assembly	29.4 - 49.0	3.0 - 5.0

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