

TRANSAXLE ASSEMBLY

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Step 1

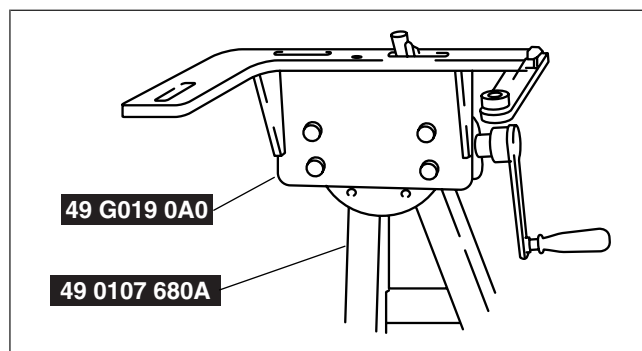
1. Perform the primary shaft and secondary shaft preload adjustment and select a shim of the appropriate thickness.
(See BEARING PRELOAD ADJUSTMENT.)
2. Assemble the **SST (49 G019 0A0)** to the **SST (49 0107 680A)**.

Bolt used

Part No.: 9YA02 A220 or M12×1.75 length 40 mm {1.6 in}

Tightening torque

88—118 N·m {9.0—12 kgf·m, 65—87 ft·lbf}



bc61um0000001

3. Assemble the clutch housing component to the **SST**.

Bolt A

Part No.: 99450 1055 or M10×1.25 length 55 mm {2.2 in}, and nut (M10×1.25)

Bolt A tightening torque

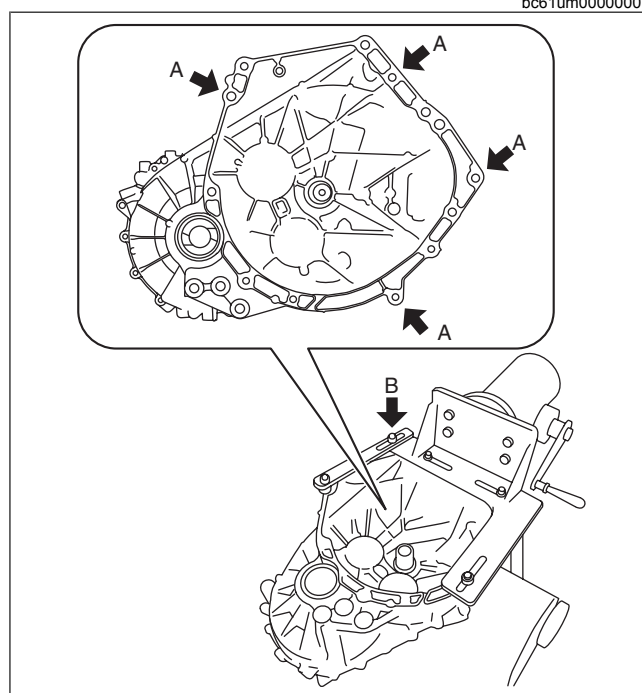
38—52 N·m {3.9—5.3 kgf·m, 29—38 ft·lbf}

Bolt B

SST (49 G019 003 part of 49 G019 0A0)

Bolt B tightening torque

88—118 N·m {9.0—12 kgf·m, 65—87 ft·lbf}

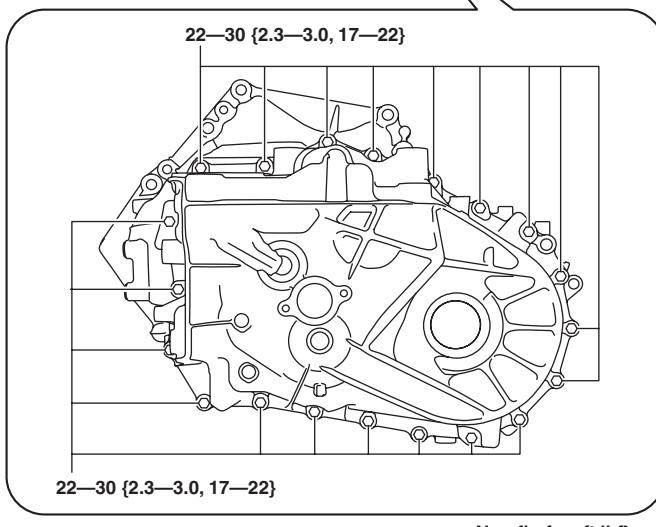
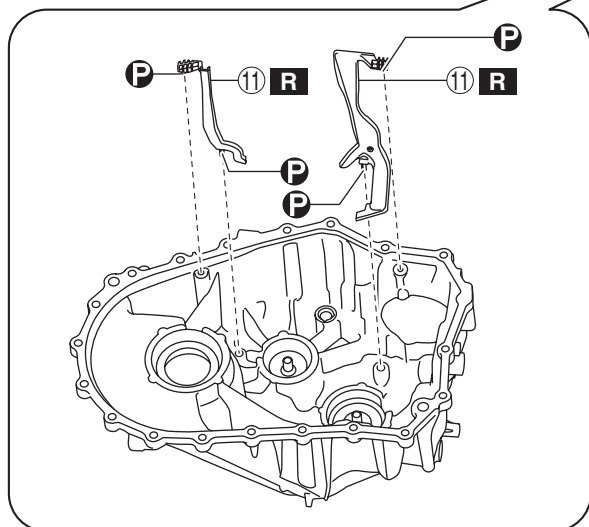
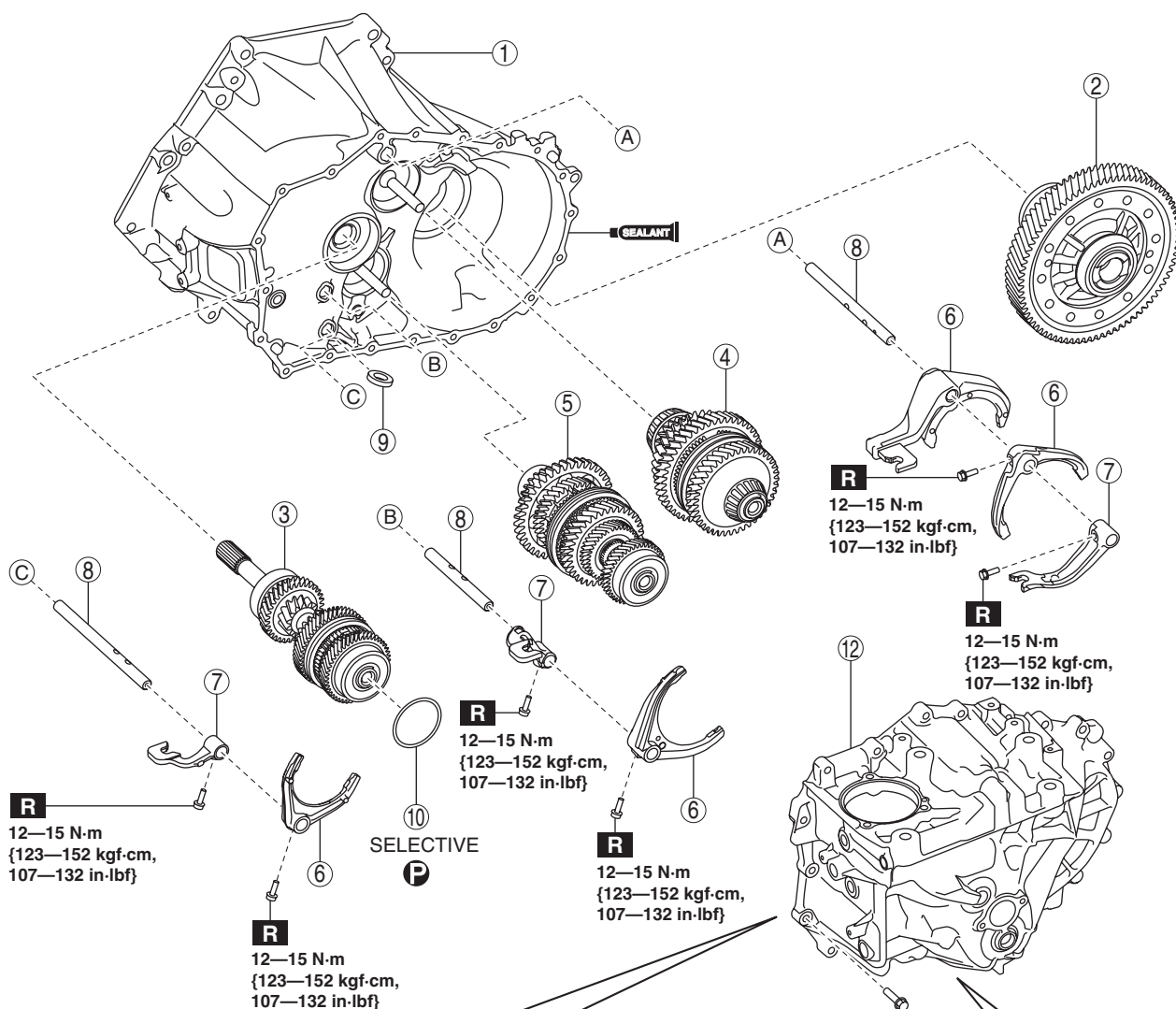


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4. Assemble the MTX in the order shown in the figure.



: APPLY SPECIFIED OIL TO INDIVIDUAL PARTS



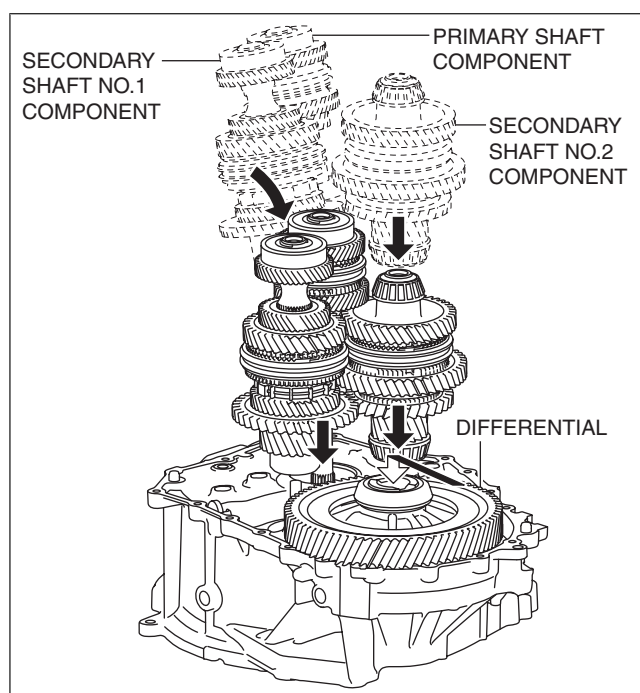
N-m {kgf-m, ft-lbf}

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2	Differential (See Differential, Primary shaft component, secondary shaft No.1 component and secondary shaft No.2 component assembly note.)
3	Primary shaft component (See Differential, Primary shaft component, secondary shaft No.1 component and secondary shaft No.2 component assembly note.)
4	Secondary shaft No.2 component (See Differential, Primary shaft component, secondary shaft No.1 component and secondary shaft No.2 component assembly note.)
5	Secondary shaft No.1 component (See Differential, Primary shaft component, secondary shaft No.1 component and secondary shaft No.2 component assembly note.)
6	Shift fork (See Shift fork, shift rod end, shift rod assembly note.)
7	Shift rod end (See Shift fork, shift rod end, shift rod assembly note.)
8	Shift rod (See Shift fork, shift rod end, shift rod assembly note.)
9	Magnet
10	Shim (See Shim, oil path, transaxle case component assembly note.)
11	Oil path (See Shim, oil path, transaxle case component assembly note.)
12	Transaxle case component (See Shim, oil path, transaxle case component assembly note.)

Differential, Primary shaft component, secondary shaft No.1 component and secondary shaft No.2 component assembly note

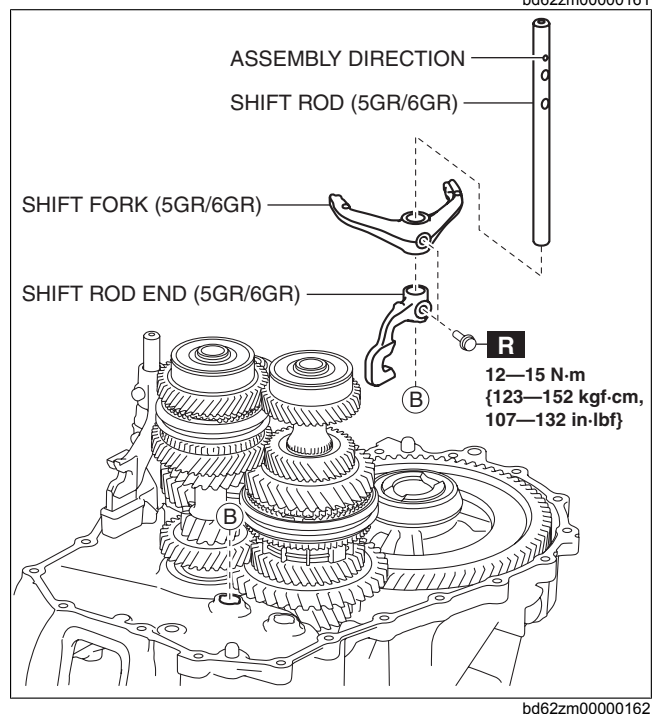
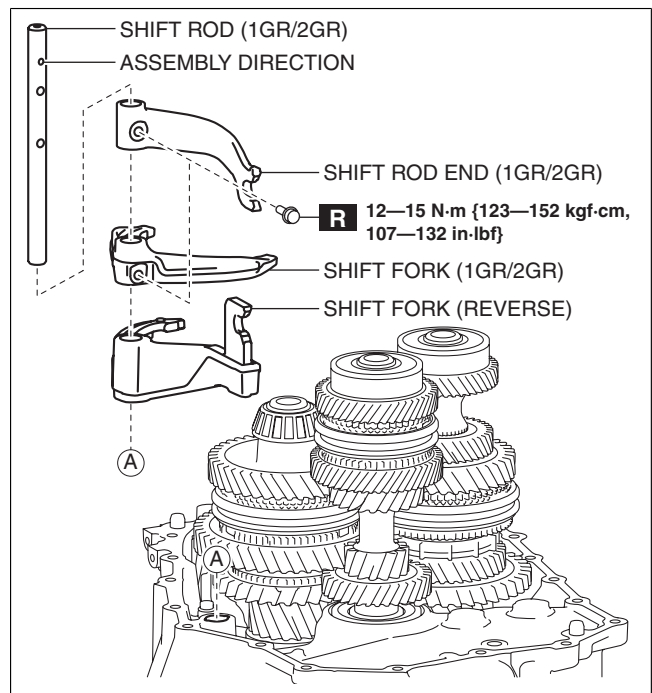
- Perform the following servicing using two people.
1. Perform the following servicing simultaneously.
 - (1) Assemble the secondary shaft No.2 component straight so that it does not contact the funnel.
 - (2) Assemble the primary shaft component and secondary shaft No.1 component as a single unit so that they are nestled with the secondary shaft No.2 component.
 - (3) Assemble the differential.
 2. Shake the assembled parts and assemble each one completely.



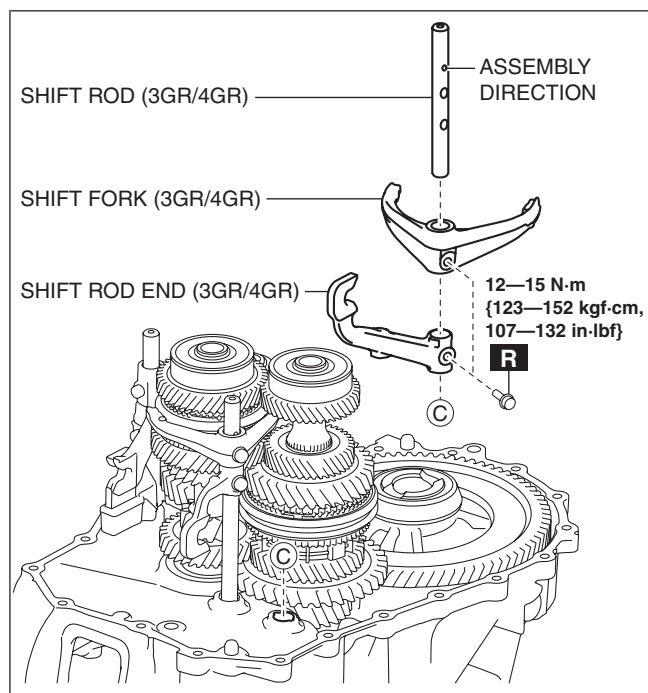
Shift fork, shift rod end, shift rod assembly note

1. Assemble the shift fork (1GR/2GR) (reverse), shift rod end (1GR/2GR), and shift rod (1GR/2GR) using the following procedure:
 - (1) Assemble the shift fork (1GR/2GR) to the clutch hub sleeve (1GR/2GR).
 - (2) Assemble the shift fork (reverse) to the clutch hub sleeve (reverse).
 - (3) Pass the shift rod through the assembly hole of the shift fork (1GR/2GR).
 - (4) Pass the shift rod through the assembly hole of the shift fork (reverse).
 - (5) Assemble the shift rod to the clutch housing.
 - (6) Pass the shift rod through the assembly hole of the shift rod end.
 - (7) Rotate the shift rod so that the pits used for verifying the shift rod assembly direction are aligned with the shift rod end and the bolt insertion area of the shift fork (1GR/2GR).
 - (8) Tighten new bolts and secure the shift rod end and the shift fork (1GR/2GR) to the shift rod.

2. Assemble the shift rod end (5GR/6GR), shift fork (5GR/6GR), and shift rod (5GR/6GR) using the following procedure:
 - (1) Assemble the shift fork to the clutch hub sleeve.
 - (2) Pass the shift rod through the assembly hole of the shift fork.
 - (3) Pass the shift rod through the assembly hole of the shift rod end.
 - (4) Assemble the shift rod to the clutch housing.
 - (5) Rotate the shift rod so that the pits used for verifying the shift rod assembly direction are aligned with the shift fork end and the bolt insertion area of the shift rod end.
 - (6) Tighten new bolts and secure the shift fork and the shift rod end to the shift rod.



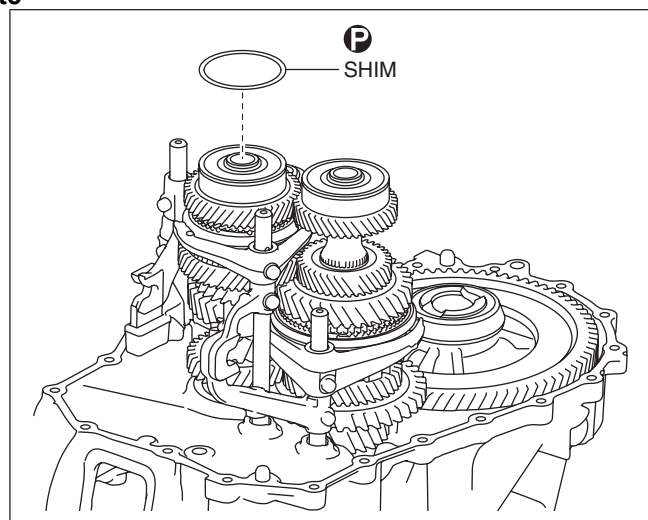
3. Assemble the shift rod end (3GR/4GR), shift fork (3GR/4GR), and shift rod (3GR/4GR) using the following procedure:
 - (1) Assemble the shift fork to the clutch hub sleeve.
 - (2) Pass the shift rod through the assembly hole of the shift fork.
 - (3) Pass the shift rod through the assembly hole of the shift rod end.
 - (4) Assemble the shift rod to the clutch housing.
 - (5) Rotate the shift rod so that the pits used for verifying the shift rod assembly direction are aligned with the shift fork end and the bolt insertion area of the shift rod end.
 - (6) Tighten new bolts and secure the shift fork and the shift rod end to the shift rod.



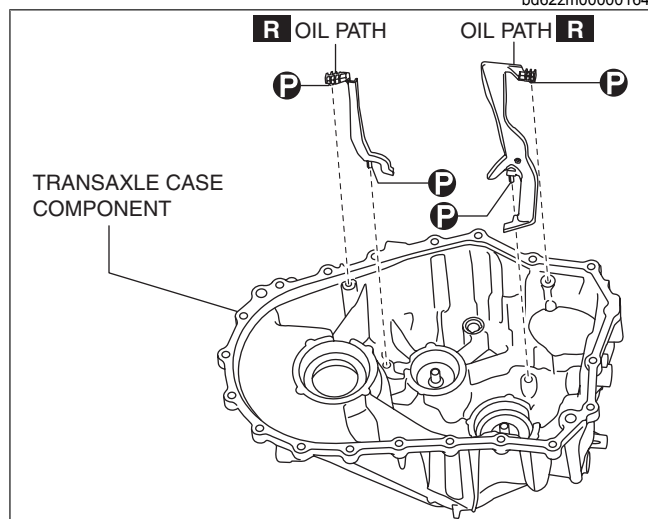
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Shim, oil path, transaxle case component assembly note

1. Apply petroleum jelly to the shim to prevent it from falling off, and assemble to the primary shaft component.
2. Apply petroleum jelly to the oil path to prevent it from falling off, and assemble to the transaxle case component.

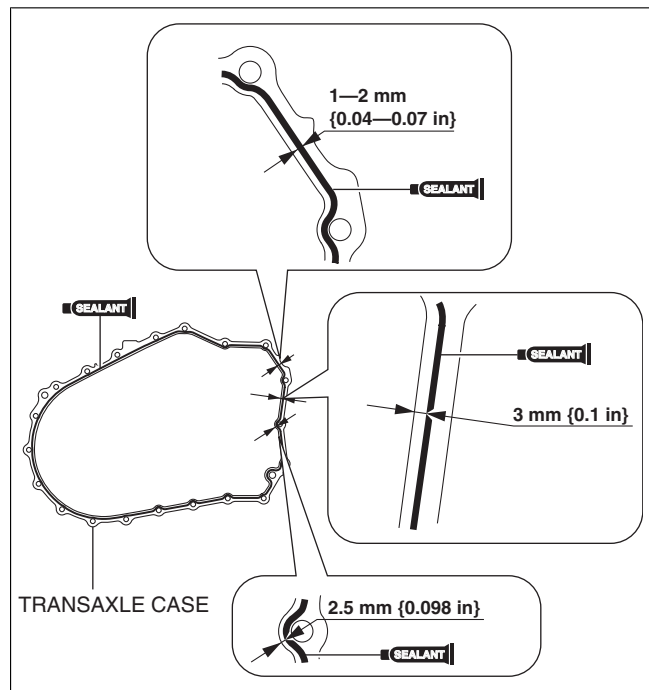


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3. Apply silicone sealant to the transaxle case component as shown in the figure.



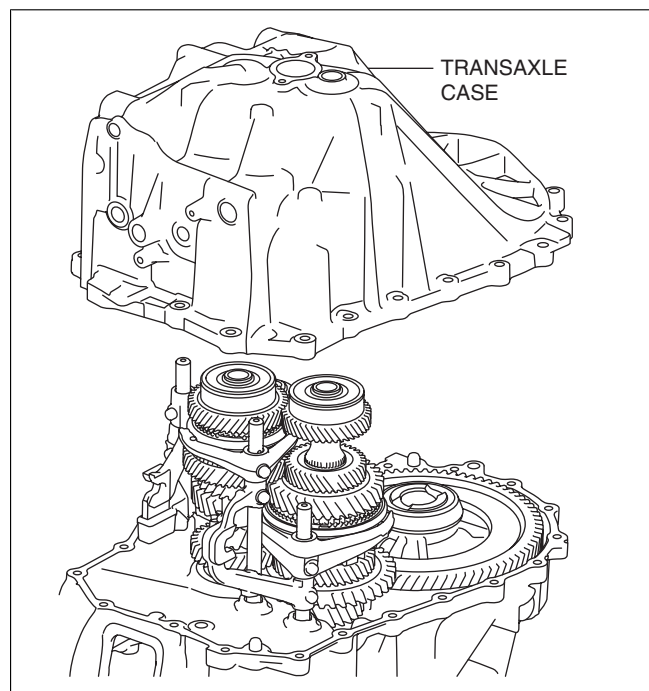
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4. Assemble the transaxle case component.

Caution

- Assemble the transaxle case component before the applied silicone sealant starts to harden.

- (1) Set the transaxle case.

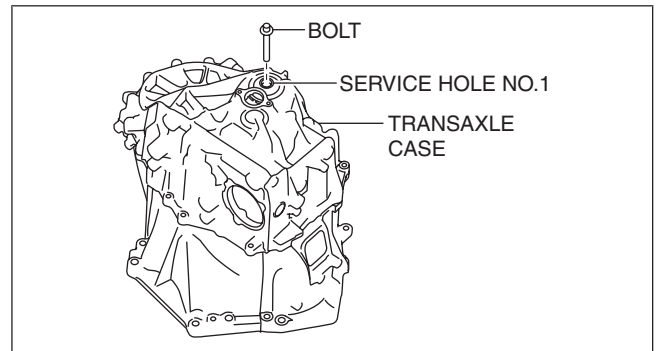


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- (2) Insert the bolt into the service hole of the transaxle case and assemble the bolt to the secondary shaft No.1 component.

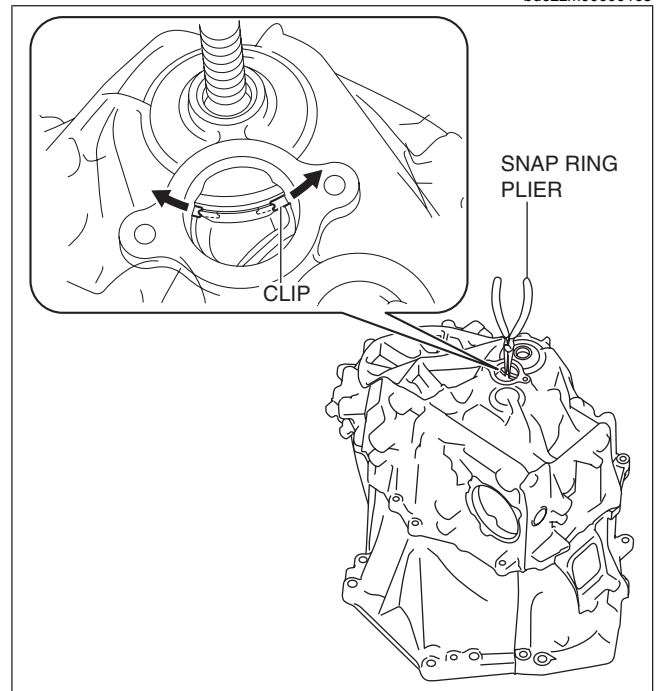
Bolt

M12×1.5 length 140 mm {5.51 in}



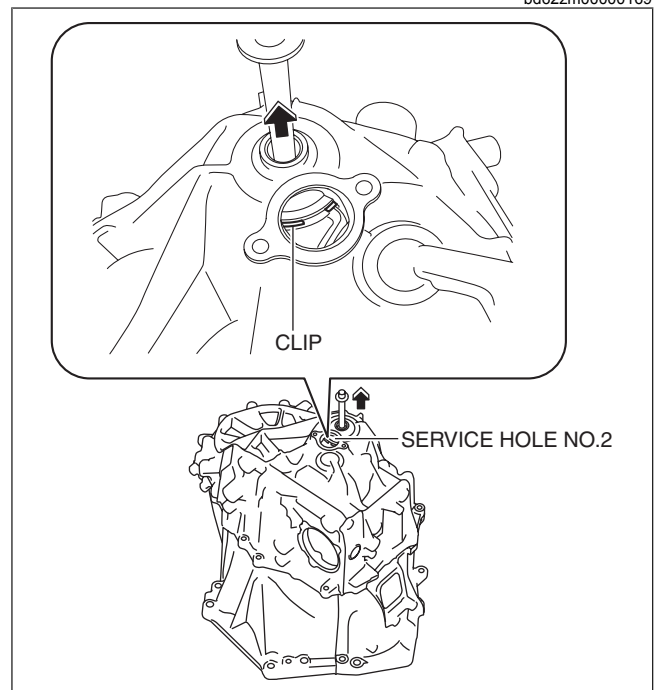
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- (3) Spread the clip using snap ring pliers as shown in the figure to verify that the transaxle case drops slightly under its own weight.



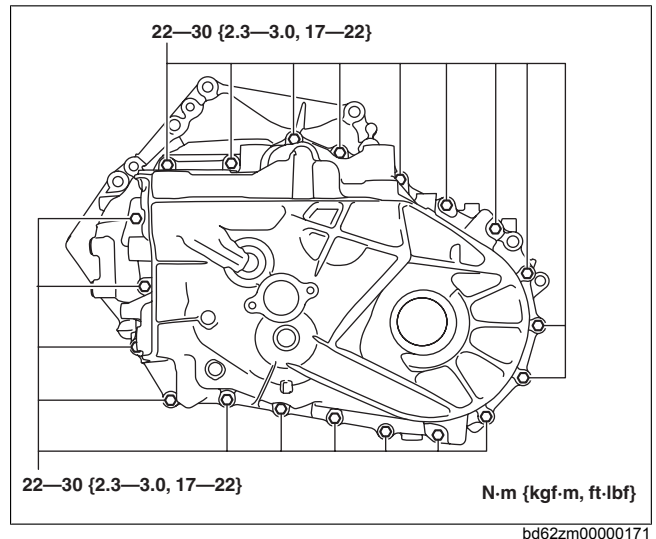
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- (4) Lift the bolt assembled to the secondary shaft No.1 component and engage the clip to the ball bearing groove of the secondary shaft No.1 component.



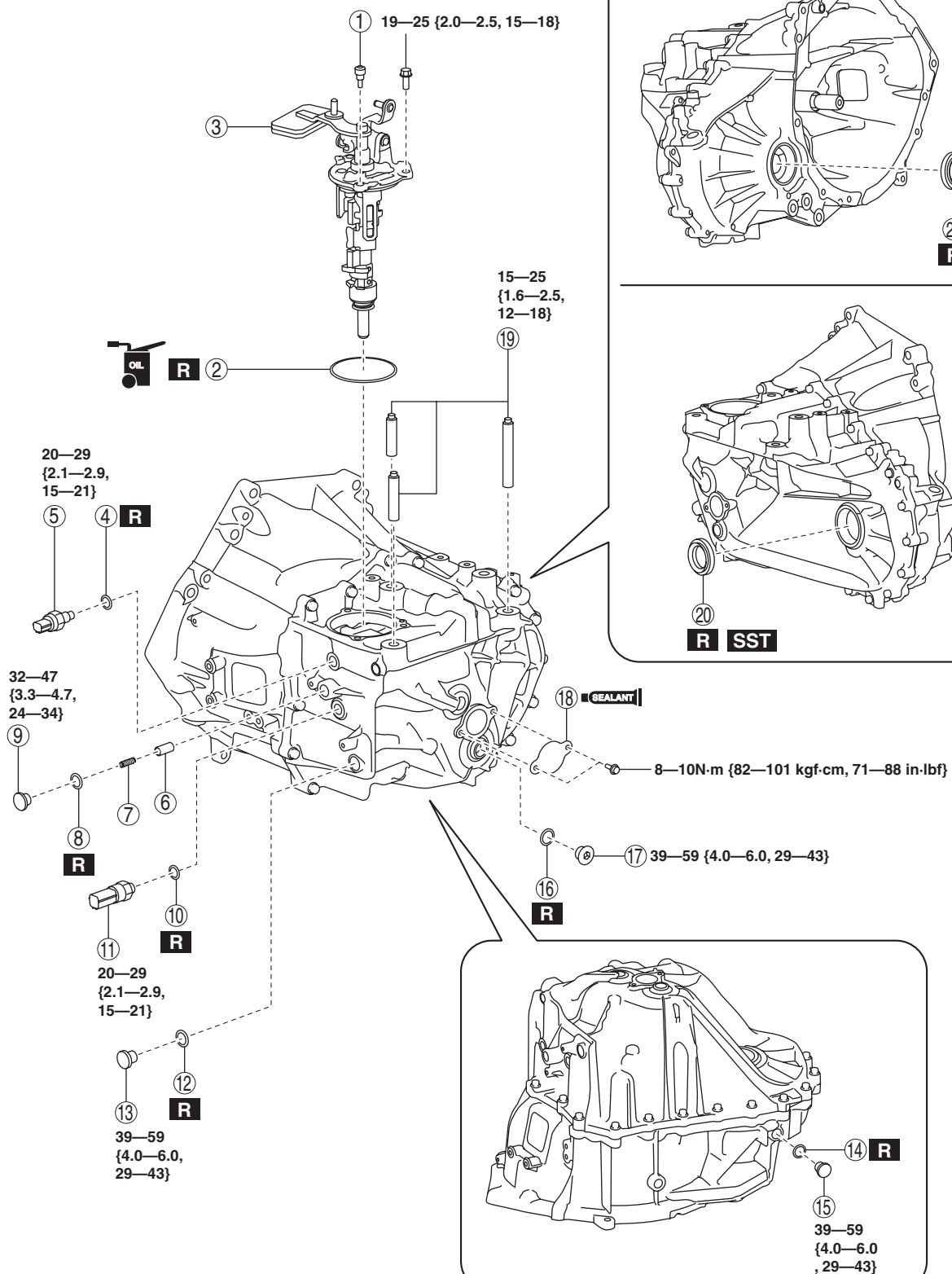
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- (5) Tighten the transaxle case installation bolts and assemble the transaxle case component.



Step 2

1. Assemble the parts around the MTX in the order shown in the figure.



N-m {kgf-m, ft-lbf}

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1	Breather
2	O-ring
3	Shift control module
4	Gasket

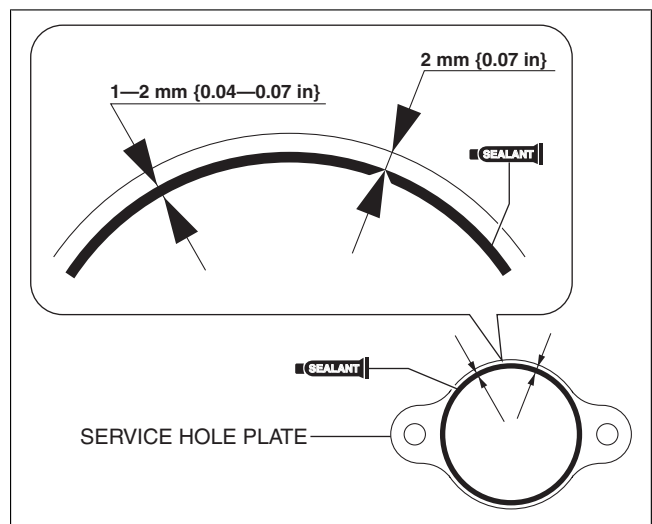
5	Neutral switch
6	Detent ball pin
7	Spring
8	Gasket
9	Plug
10	Gasket
11	Back-up light switch
12	Gasket
13	Oil level plug
14	Gasket
15	Drain plug
16	Gasket
17	Service hole plug
18	Service hole plate (See Service hole plate assembly note.)
19	Stud bolt
20	Oil seal (See Oil seal assembly note.)

Service hole plate assembly note

1. Apply silicone sealant to the service hole plate as shown in the figure.
2. Assemble the service hole plate.

Caution

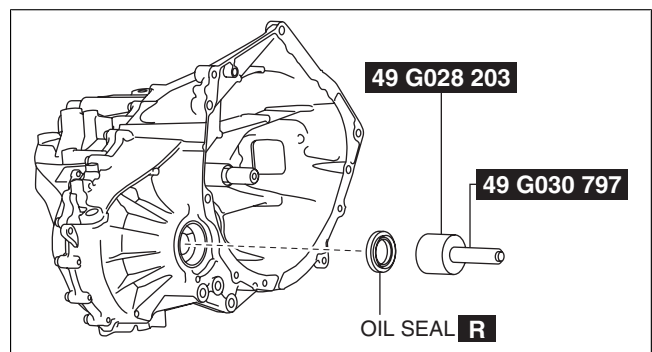
- Assemble the service hole plate before the applied silicone sealant starts to harden.



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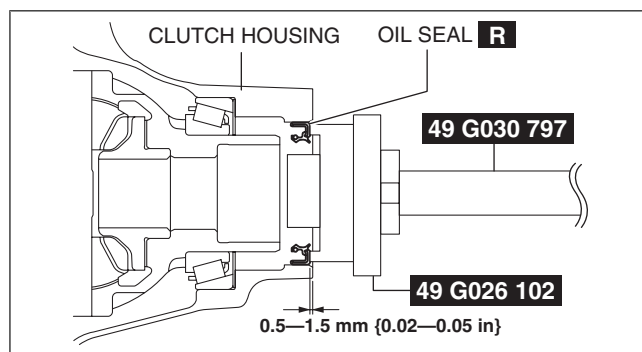
Oil seal assembly note

1. Assemble a new oil seal to the clutch housing using the SSTs. (2WD)



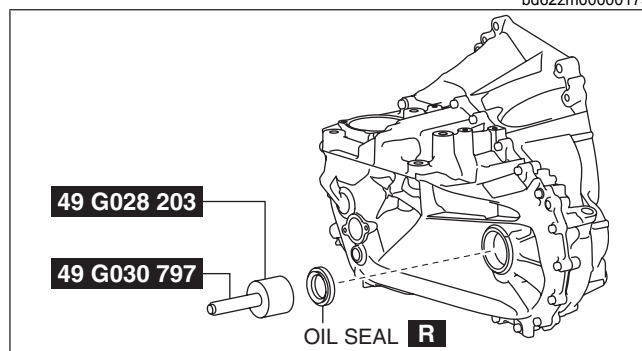
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2. Assemble a new oil seal to the clutch housing to the specified position using the SSTs. (4WD)



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3. Assemble a new oil seal to the transaxle case using the SSTs.



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