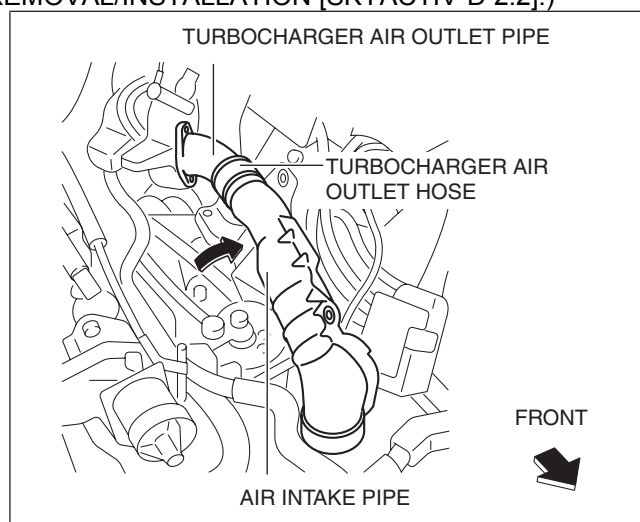


SHIFT CONTROL MODULE REMOVAL/INSTALLATION [D66M-R, D66MX-R]

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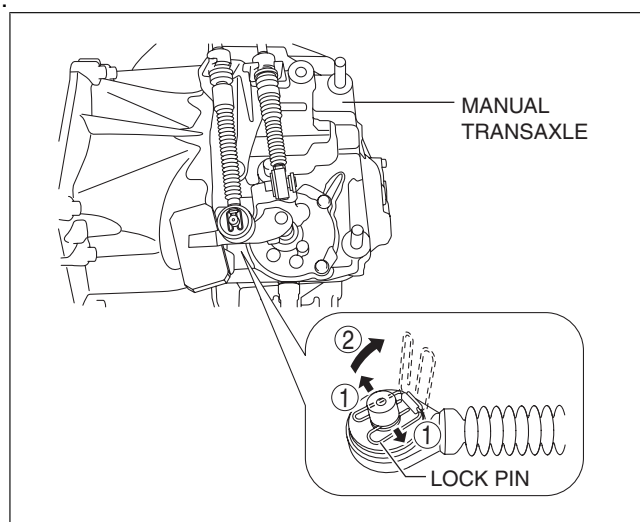
Removal

1. Shift the shift lever to the neutral position.
2. Remove the front under cover No.2. (See FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.)
3. Remove the engine cover. (See ENGINE COVER REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
4. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
5. Remove the air cleaner and air hose as a single unit. (See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
6. Remove the battery and battery tray. (See BATTERY REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
7. Set the turbocharger air outlet pipe, turbocharger air outlet hose, and air intake pipe aside as a single unit as shown in the figure. (See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)



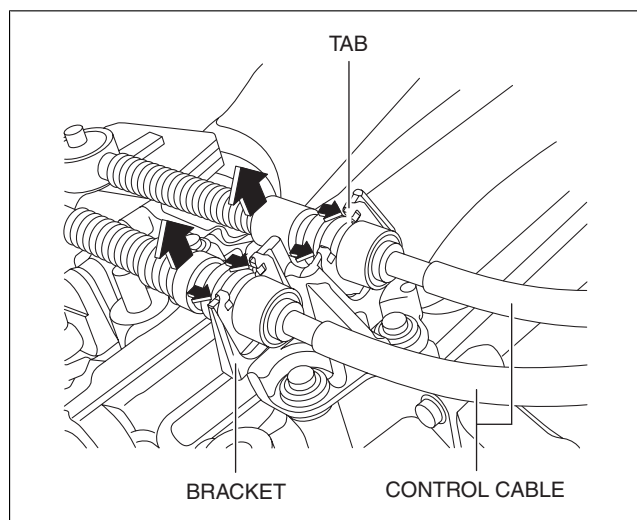
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8. Disconnect the control cable from the manual transaxle.
 - (1) Pull the lock pin in the direction of the arrow shown in the figure and release the control cable end lock.



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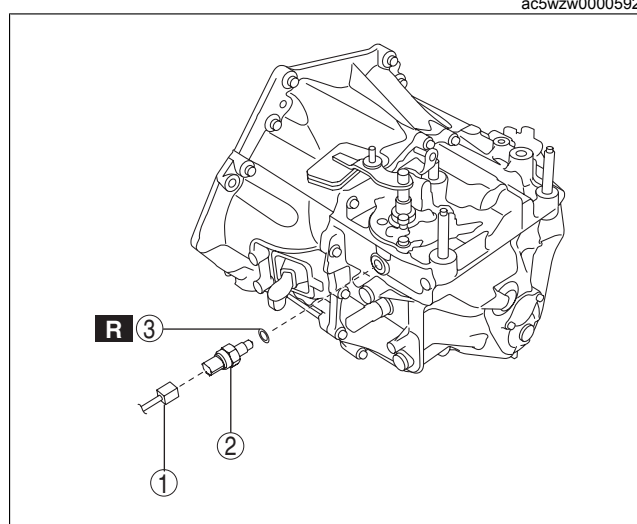
- (2) Press the tabs on the control cable and disconnect the control cable from the bracket on the manual transaxle.



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9. Remove the neutral switch in the order shown in the figure

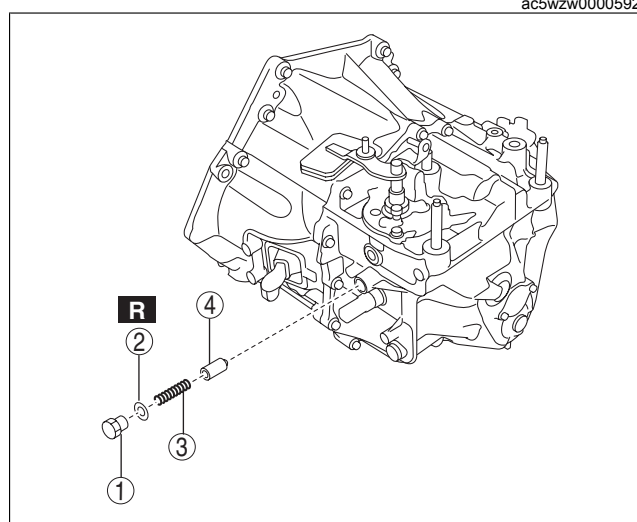
1	Connector
2	Neutral switch
3	Gasket



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10. Remove the detent ball pin in the order shown in the figure

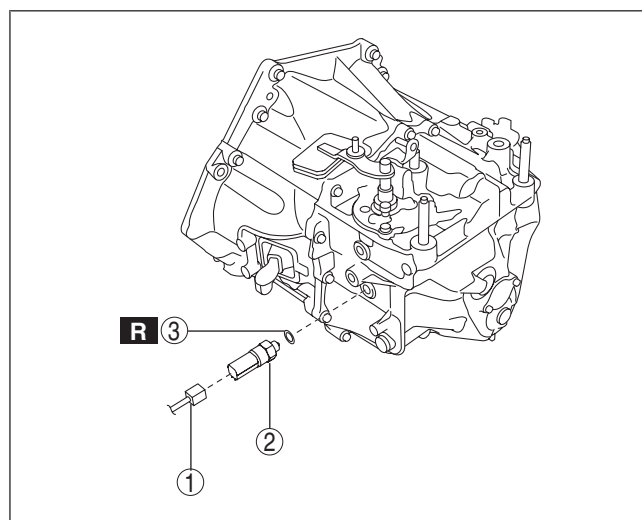
1	Plug
2	Gasket
3	Spring
4	Detent ball pin



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11. Remove the back-up light switch in the order shown in the figure

1	Connector
2	Back-up light switch
3	Gasket

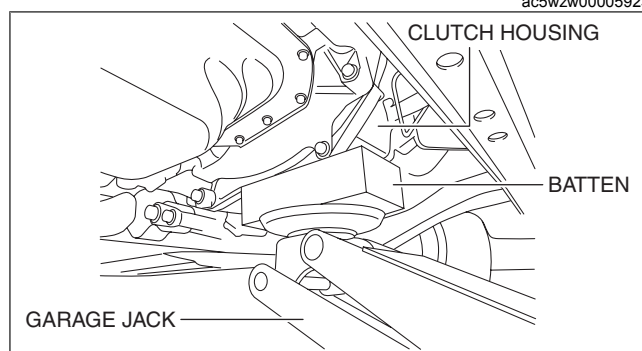


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12. Support the manual transaxle using a garage jack.

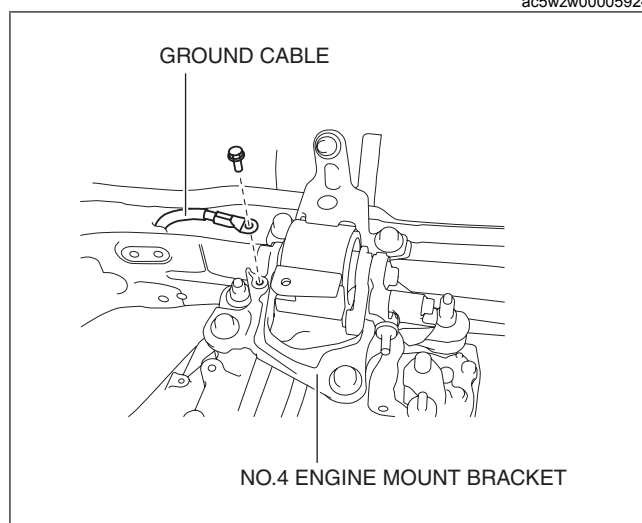
Caution

- To prevent deformation of the manual transaxle, support the clutch housing using a batten of appropriate size.



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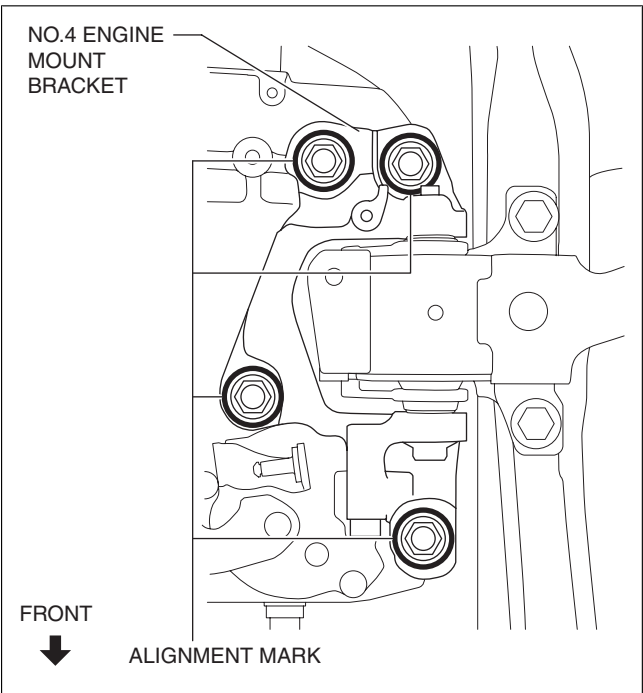
13. Remove the bolt shown in the figure and set the ground cable aside.



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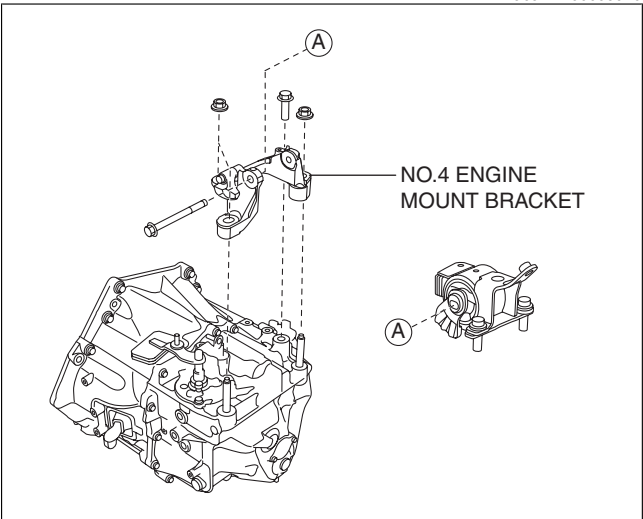
14. Place alignment marks on the locations shown in the figure so that they can be assembled to the same positions as before removal.

- Note**
- Paint so that the outline of the nut is framed on the bracket side.



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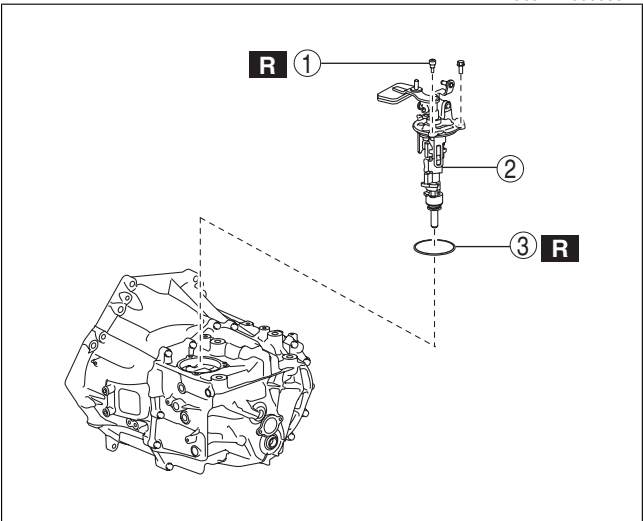
15. Remove the No.4 engine mount bracket.



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16. Remove the shift control module in the order shown in the figure

1	Breather
2	Shift control module
3	O-ring



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Installation

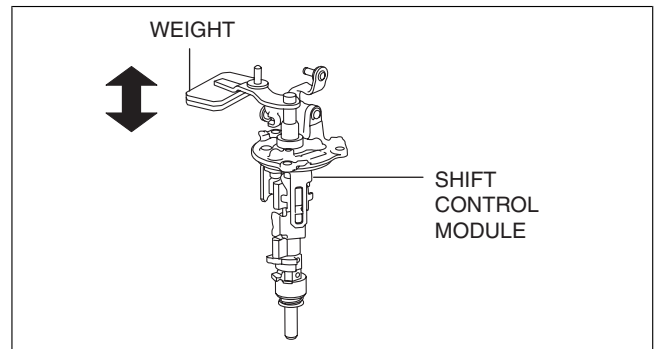
1. Verify that the shift control module is in the neutral position.

Note

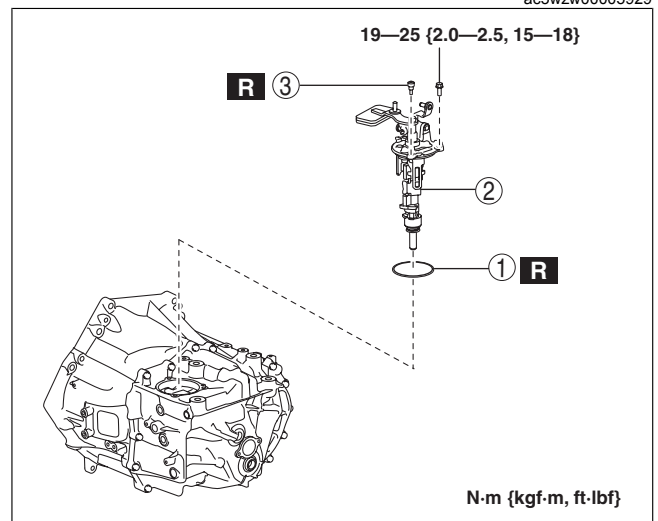
- If the shift control module is in the neutral position, the shift lever with the weight can be moved up and down to a large extent.

2. Install the shift control module in the order shown in the figure

1	O-ring
2	Shift control module
3	Breather

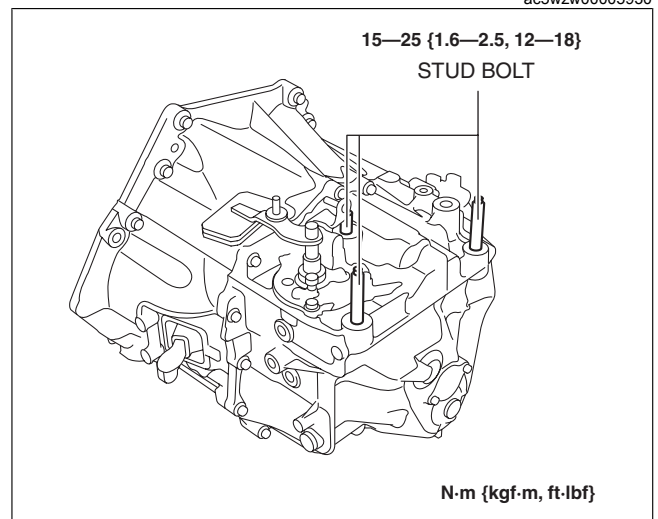


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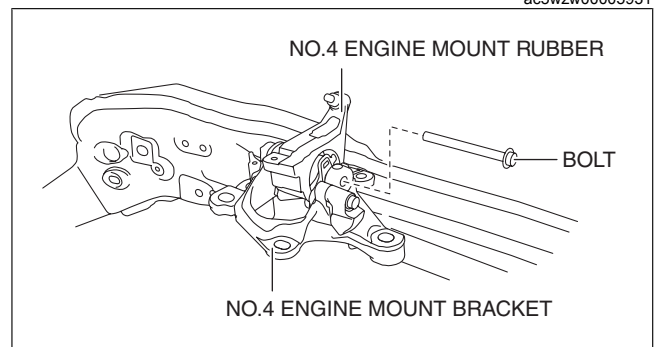
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3. Tighten the stud bolts.



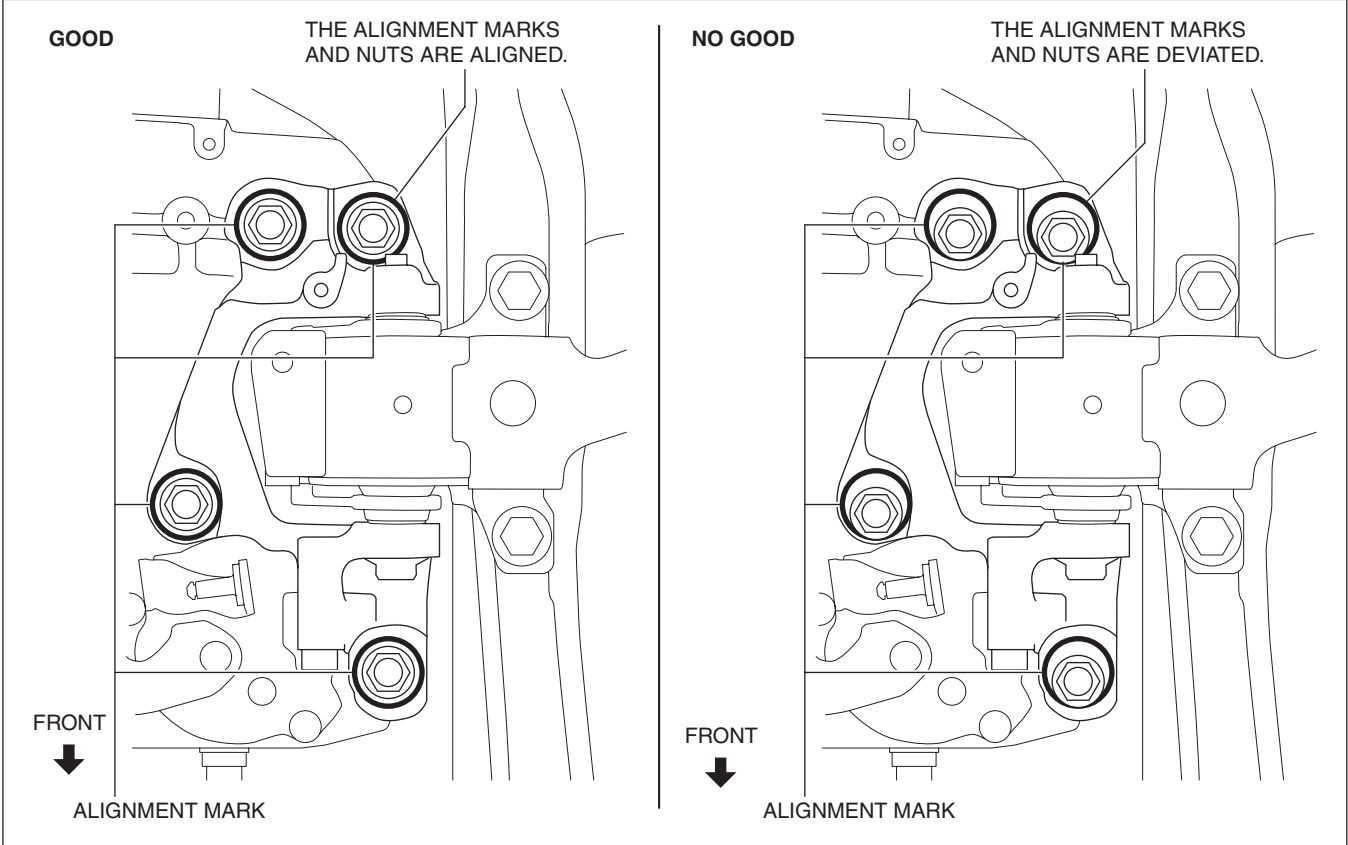
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4. Install the No.4 engine mount bracket to No.4 engine mount rubber, and temporarily tighten the installation bolt.



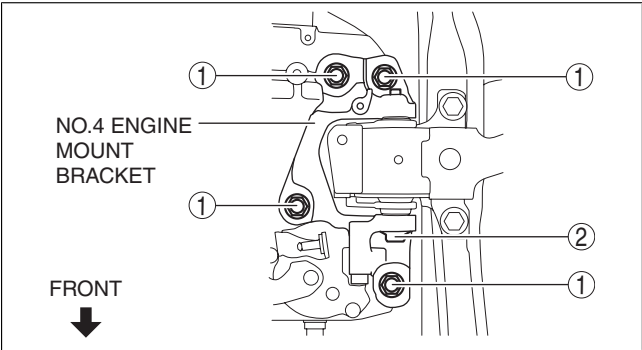
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5. Align the alignment marks on the No.4 engine mount bracket and nuts, and temporarily tighten the nuts shown in the figure.

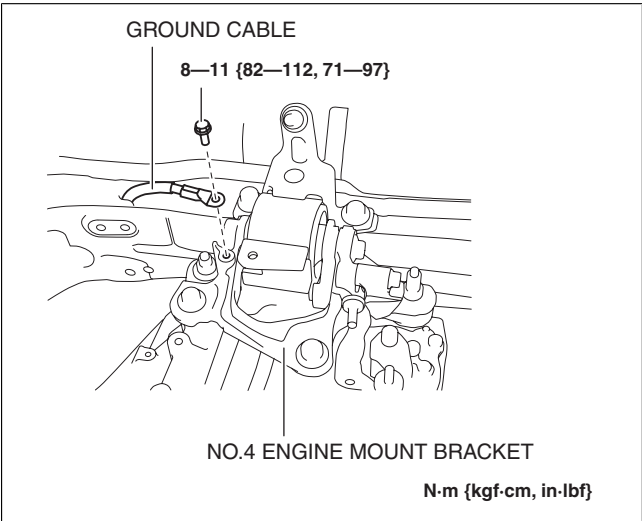


6. Tighten the No.4 engine mount bracket installation bolt and nuts in the order shown in the figure.

No.	Tightening torque
1	92—116 N·m {9.4—11 kgf·m, 68—85 ft·lbf}
2	81—99 N·m {8.3—10 kgf·m, 60—73 ft·lbf}

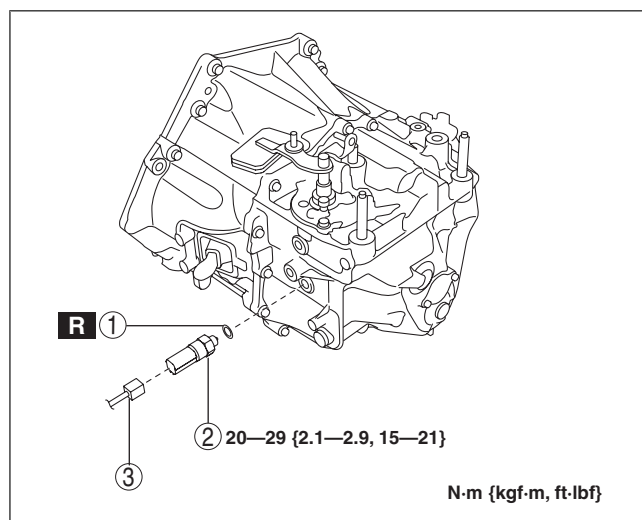


7. Install the ground cable.



8. Install the back-up light switch in the order shown in the figure

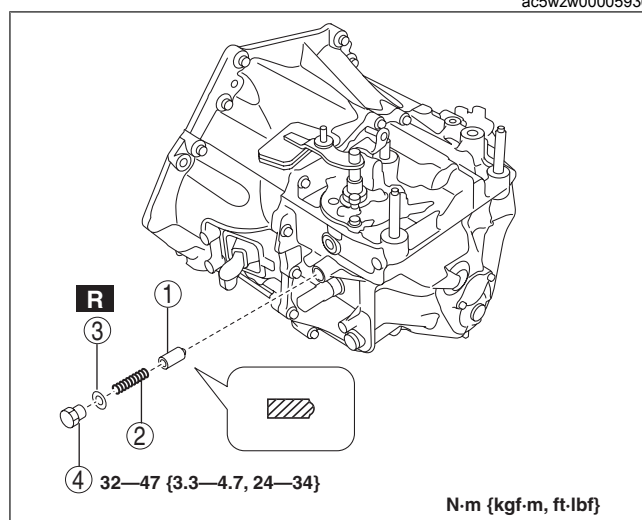
1	Gasket
2	Back-up light switch
3	Connector



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9. Install the detent ball pin in the order shown in the figure

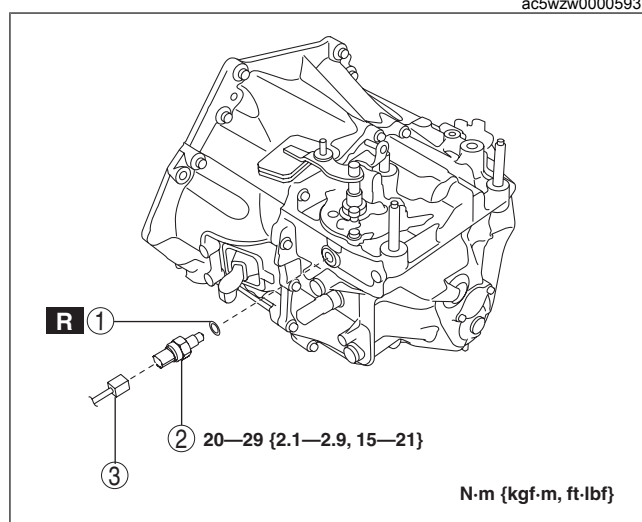
1	Detent ball pin
2	Spring
3	Gasket
4	Plug



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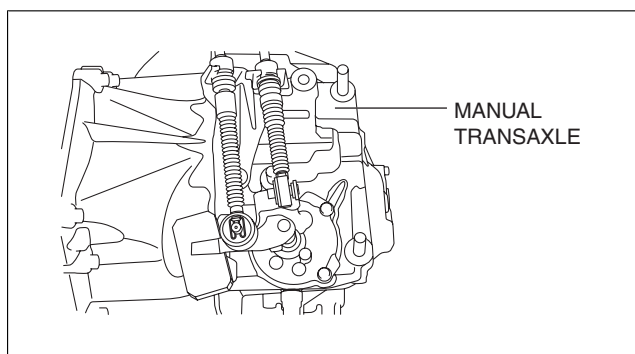
10. Install the neutral switch in the order shown in the figure

1	Gasket
2	Neutral switch
3	Connector



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11. Connect the control cable to the manual transaxle.
12. Make sure that the shift lever can be shifted smoothly.
13. Install the turbocharger air outlet pipe, turbocharger air outlet hose, and air intake pipe aside as a single unit. (See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
14. Install the battery tray and battery. (See BATTERY REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
15. Install the air cleaner and air hose as a single unit. (See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
16. Connect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
17. Install the engine cover. (See ENGINE COVER REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
18. Install the front under cover No.2. (See FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.)



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