

REAR DIFFERENTIAL REMOVAL/INSTALLATION

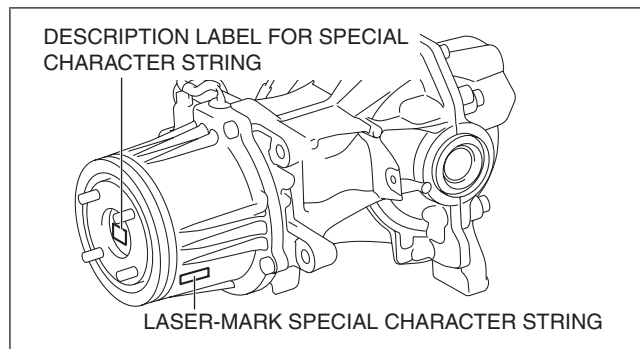
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Warning

- When replacing the coupling component, read the special character string before installing a new coupling component and write it to the 4WD control module after replacement. The special character string is indicated in the two locations shown in the figure.

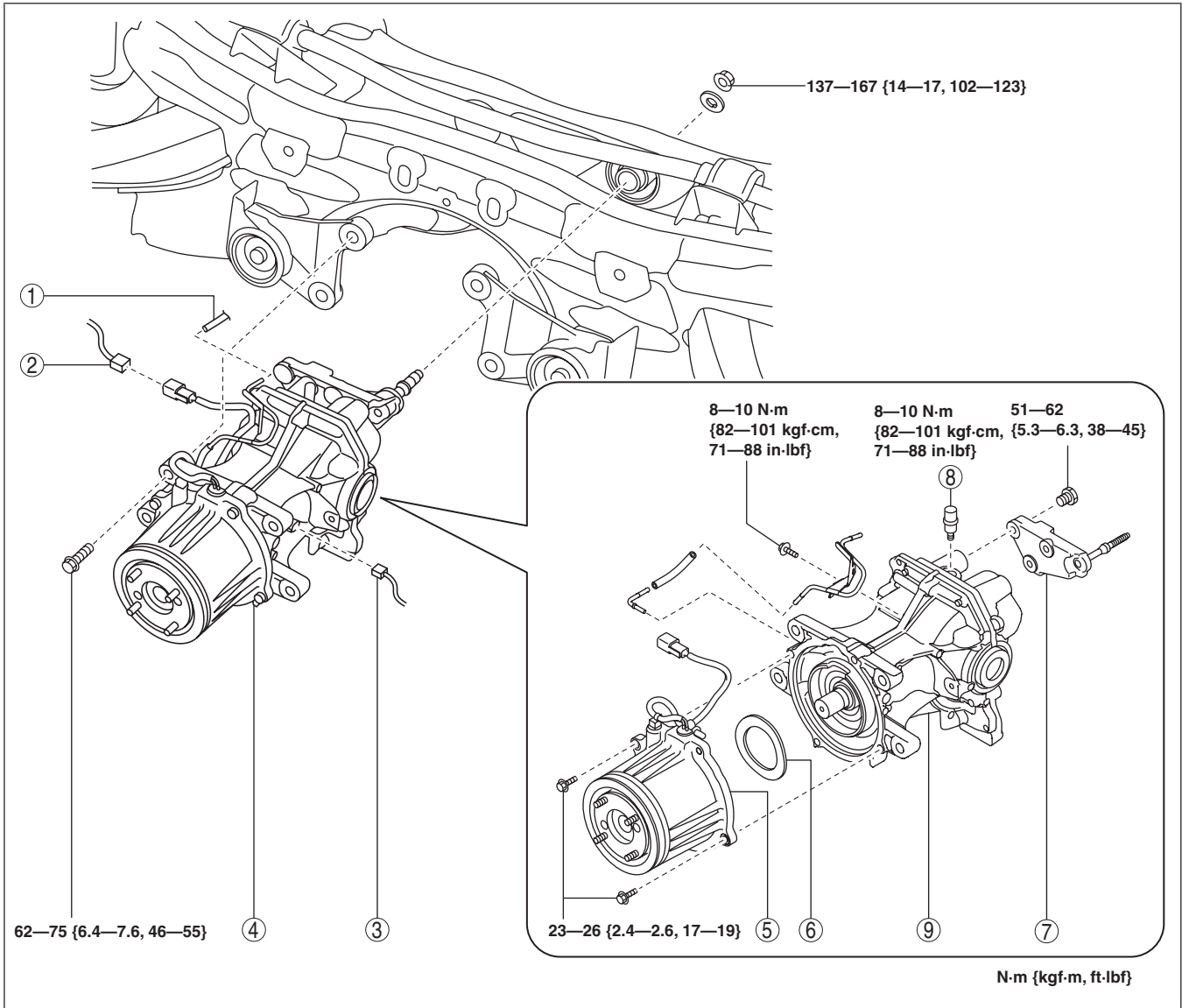
Caution

- Performing the following procedures without first removing the ABS wheel-speed sensor may possibly cause an open circuit in the wiring harness if it is pulled by mistake. Before performing the following procedures, disconnect the ABS wheel-speed sensor connector (body side) and fix the wiring harness to an appropriate place where it will not be pulled by mistake while servicing the vehicle.



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1. Drain the rear differential oil into a container.
2. Remove the propeller shaft. (See PROPELLER SHAFT REMOVAL/INSTALLATION.)
3. Remove the TWC. (SKYACTIV-G 2.0, SKYACTIV-G 2.5) (See EXHAUST SYSTEM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
4. Remove the middle pipe. (SKYACTIV-D 2.2) (See EXHAUST SYSTEM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
5. Remove the rear drive shaft. (See REAR DRIVE SHAFT REMOVAL/INSTALLATION.)
6. Remove in the order indicated in the table.
7. Install in the reverse order of removal.
8. Add the specified rear differential oil. (See DIFFERENTIAL OIL REPLACEMENT.)
9. Inspect the rear wheel alignment and adjust it if necessary. (See REAR WHEEL ALIGNMENT.)



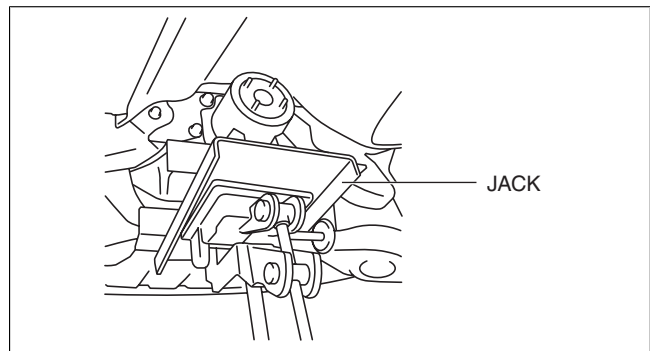
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1	Hose
2	Connector (4WD solenoid)
3	Connector (differential oil temperature sensor)
4	Rear differential component (See Rear Differential Component Removal Note.)
5	Coupling component
6	Washer

7	Rear differential mounting bracket (See Rear Differential Mounting Bracket Installation Note.)
8	Breather
9	Rear differential

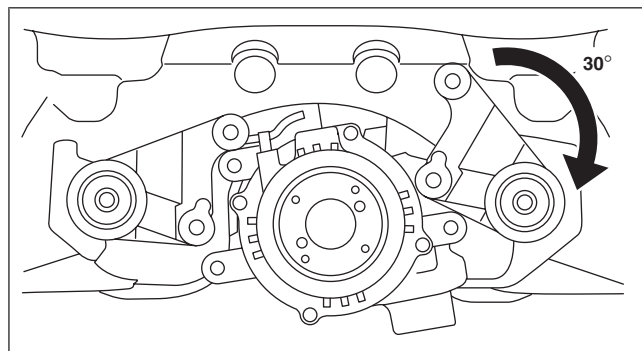
Rear Differential Component Removal Note

1. Support the rear differential using a jack.

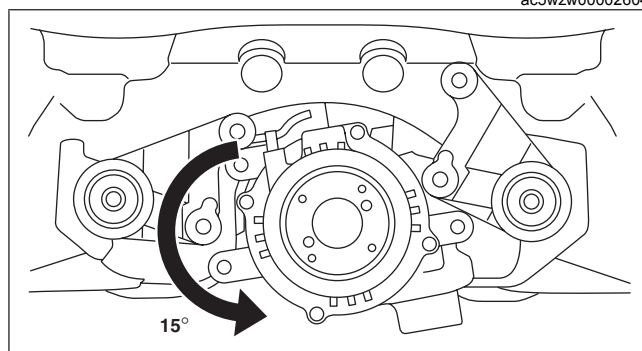


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2. Loosen the differential mounting bracket bolt and rotate the bracket as shown in the figure.



3. Rotate the rear differential as shown in the figure, and then remove the rear differential.



Rear Differential Mounting Bracket Installation Note

Caution

- Retighten the rear differential mounting bracket stud bolt when the rear differential mounting bracket nut is loosened.

1. Tighten the rear differential mounting bracket stud bolt.

Tightening torque

30—37 N·m {3.1—3.7 kgf·m, 23—27 ft·lbf}

