

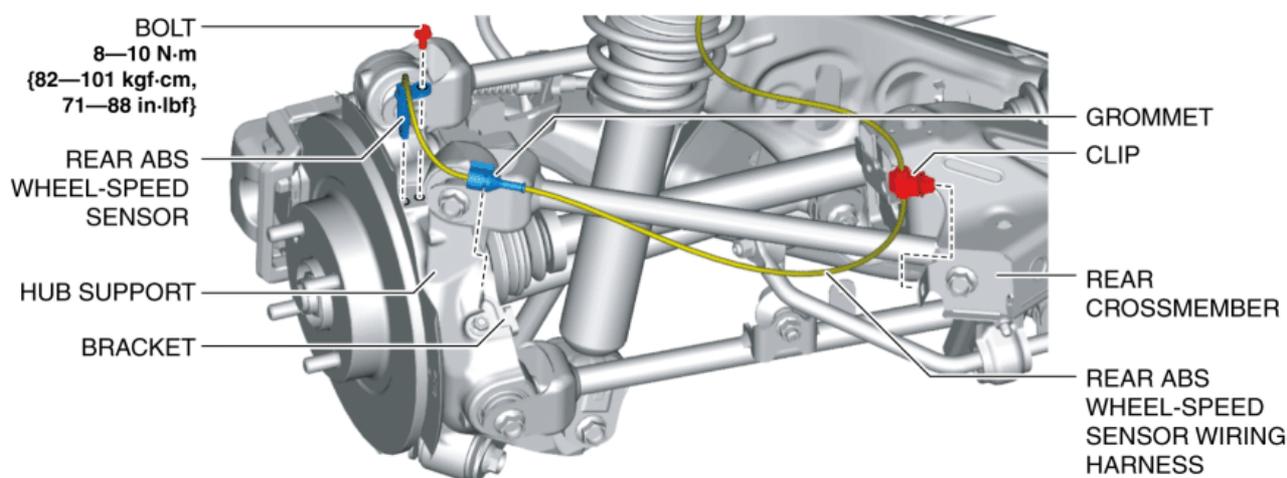
## 2016 - MX-5 - DriveLine/Axle

### REAR DIFFERENTIAL REMOVAL/INSTALLATION

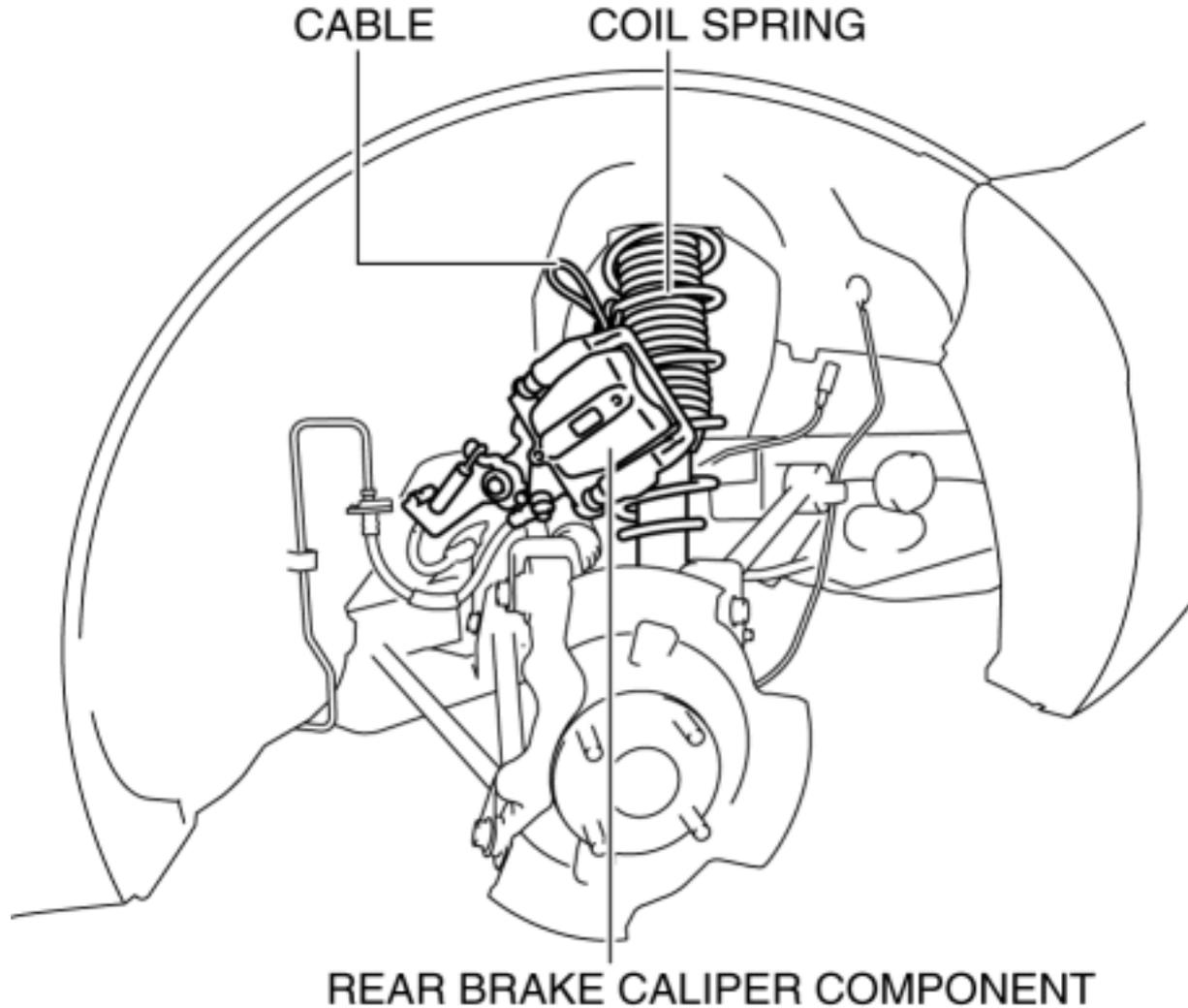
#### CAUTION:

- Performing the following procedures could cause an open circuit in the rear ABS wheel-speed sensor wiring harness if it is pulled by mistake. Before servicing, disconnect the rear ABS wheel-speed sensor and set it aside so that the wiring harness will not be pulled by mistake.

1. Disconnect the negative battery cable. (See **NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION.**)
2. Drain the differential oil. (See **DIFFERENTIAL OIL REPLACEMENT.**)
3. Remove the rear ABS wheel-speed sensor from the hub support.

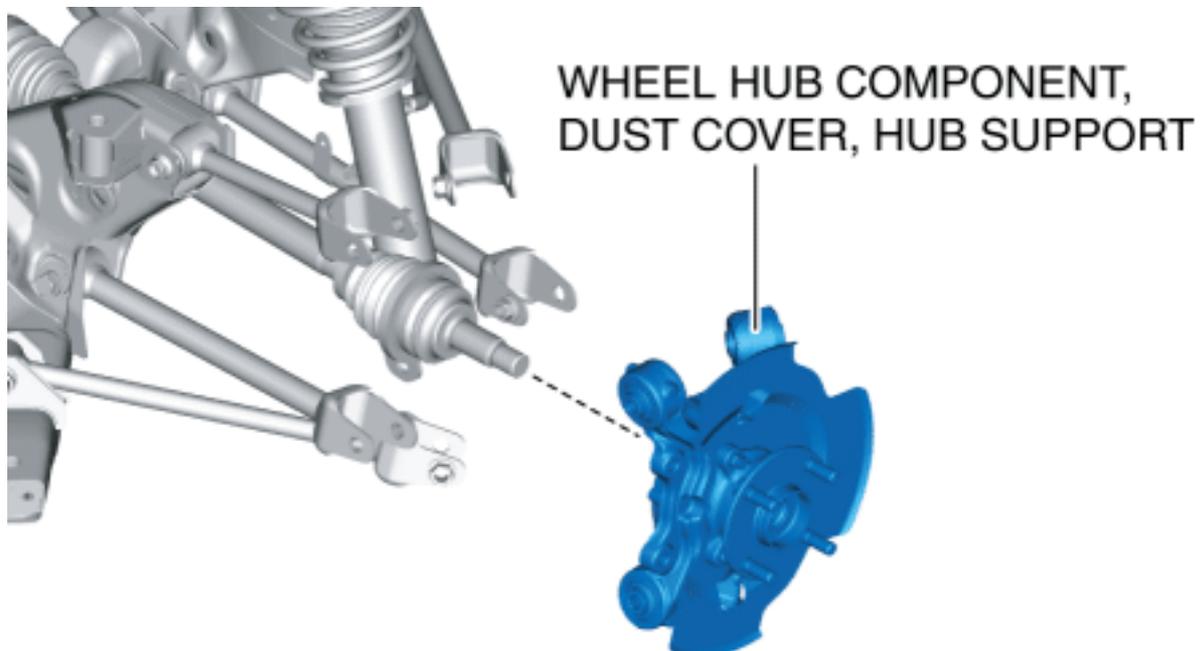


4. Remove the grommet and clip of the rear ABS wheel speed sensor wiring harness from the bracket and rear crossmember and set it aside so that it does not interfere with the servicing.
5. Remove the rear brake caliper component and suspend it in a place out of the way using a cable. (See **REAR BRAKE (DISC) REMOVAL/INSTALLATION.**)



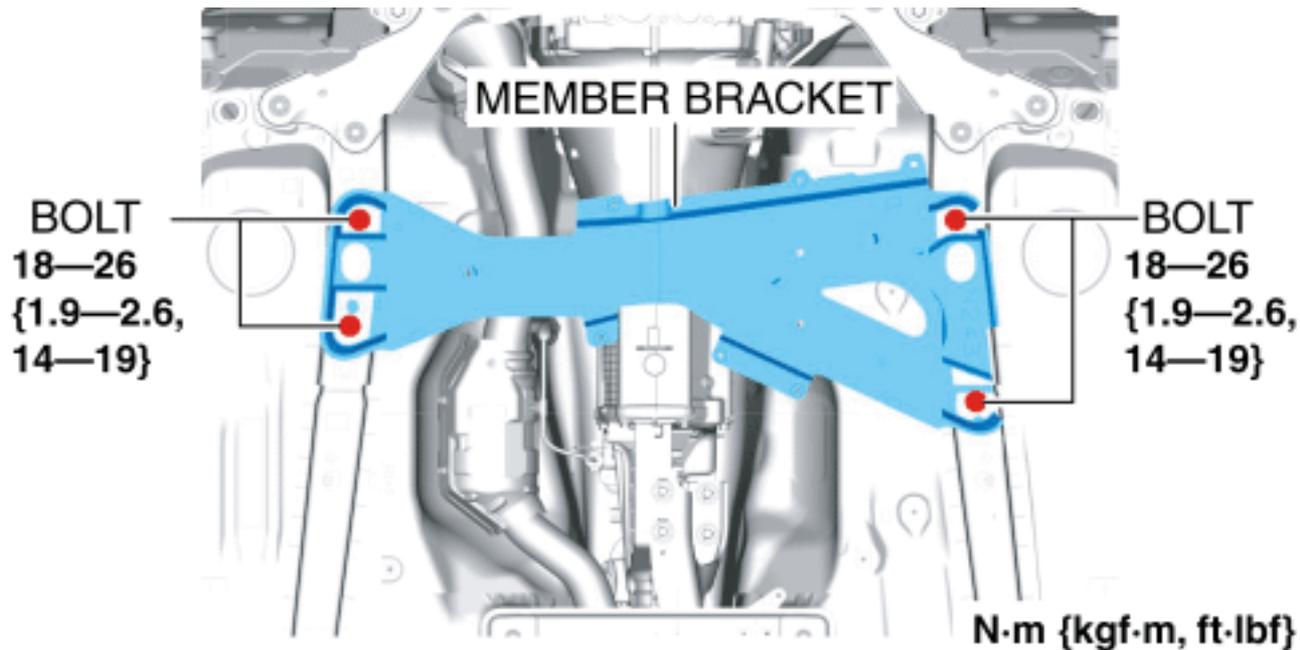
REAR BRAKE CALIPER COMPONENT

6. Remove the rear disc plate. (See **REAR BRAKE (DISC) REMOVAL/INSTALLATION.**)
7. Remove the auto leveling sensor and the auto leveling short cord as a single unit. (See **AUTO LEVELING SENSOR REMOVAL/INSTALLATION.**) (See **AUTO LEVELING SENSOR SHORT-CORD REMOVAL/INSTALLATION.**)
8. Remove the rear stabilizer component and the rear stabilizer control link as a single unit. (See **REAR STABILIZER REMOVAL/INSTALLATION.**)
9. Remove the floor under cover. (See **FLOOR UNDER COVER REMOVAL/INSTALLATION.**)
10. Remove the rear parking cable bracket from the rear crossmember. (See **REAR PARKING BRAKE CABLE REMOVAL/INSTALLATION.**)
11. Disconnect the following parts from the hub support and remove the wheel hub component, dust cover, and hub support as a single unit. (See **WHEEL HUB COMPONENT REMOVAL/INSTALLATION.**)

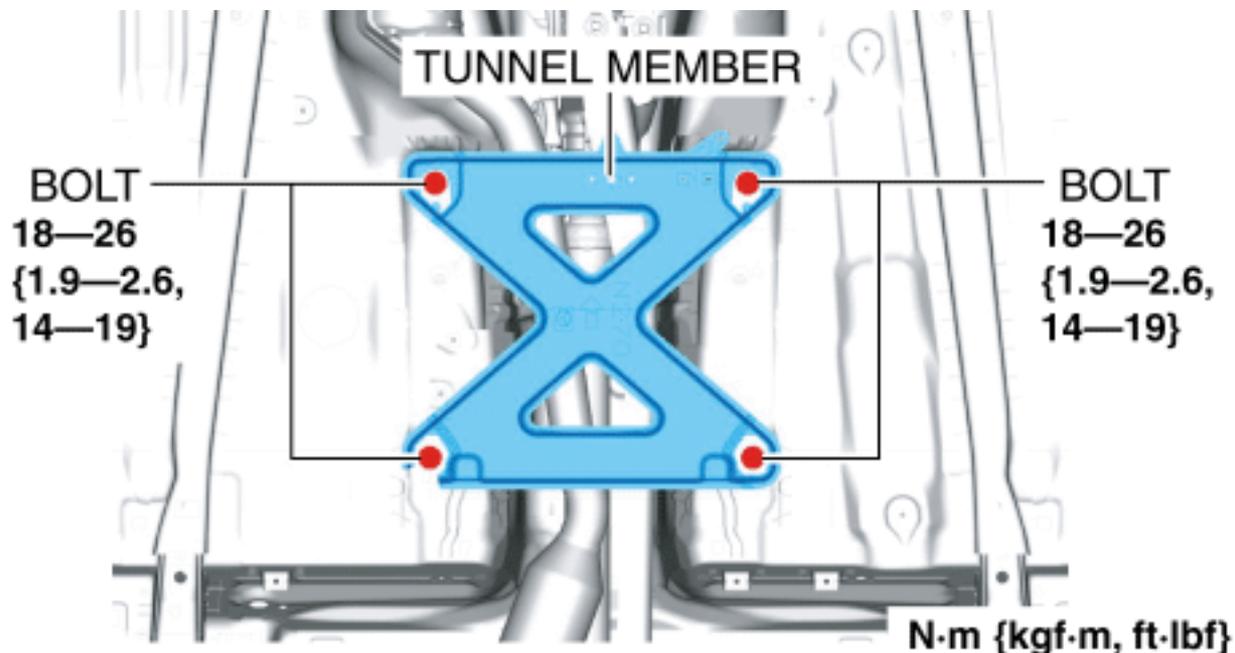


WHEEL HUB COMPONENT,  
DUST COVER, HUB SUPPORT

- a. Upper lateral link (See **UPPER LATERAL LINK REMOVAL/INSTALLATION.**)
  - b. Rear shock absorber and coil spring (See **REAR SHOCK ABSORBER AND COIL SPRING REMOVAL/INSTALLATION.**)
  - c. Lower link (See **LOWER LINK REMOVAL/INSTALLATION.**)
  - d. Trailing link (See **TRAILING LINK REMOVAL/INSTALLATION.**)
  - e. Lower lateral link (See **LOWER LATERAL LINK REMOVAL/INSTALLATION.**)
  - f. Leading link (See **LEADING LINK REMOVAL/INSTALLATION.**)
12. Remove the rear drive shaft. (See **REAR DRIVE SHAFT REMOVAL/INSTALLATION.**)
13. Remove the bolts.



14. Remove the member bracket. (With member bracket)
15. Remove the bolts.



16. Remove the tunnel member.
17. Remove the following parts:
- a. Three way catalytic converter (TWC) (See **EXHAUST SYSTEM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].**) (See **TWC Installation Note.**)
  - b. Propeller shaft (See **PROPELLER SHAFT REMOVAL/INSTALLATION.**)

c. Power plant frame (See **POWER PLANT FRAME REMOVAL [M66M-D].**) (See **POWER PLANT FRAME INSTALLATION [M66M-D].**)

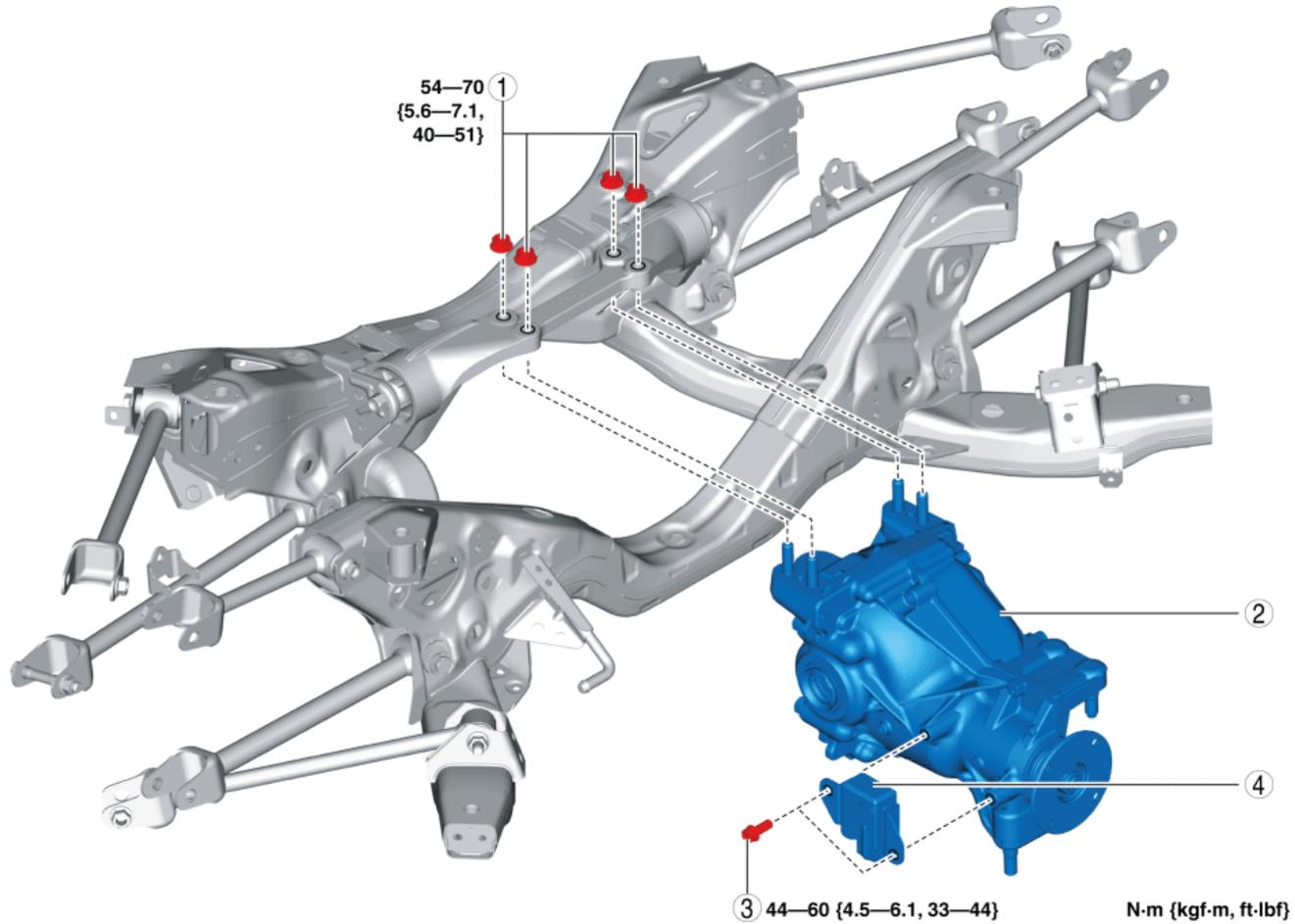
d. Rear crossmember component (See **REAR CROSSMEMBER REMOVAL/INSTALLATION.**)

18. Remove in the order shown in the figure.

19. Install in the reverse order of removal.

20. Add differential oil. (See **DIFFERENTIAL OIL REPLACEMENT.**)

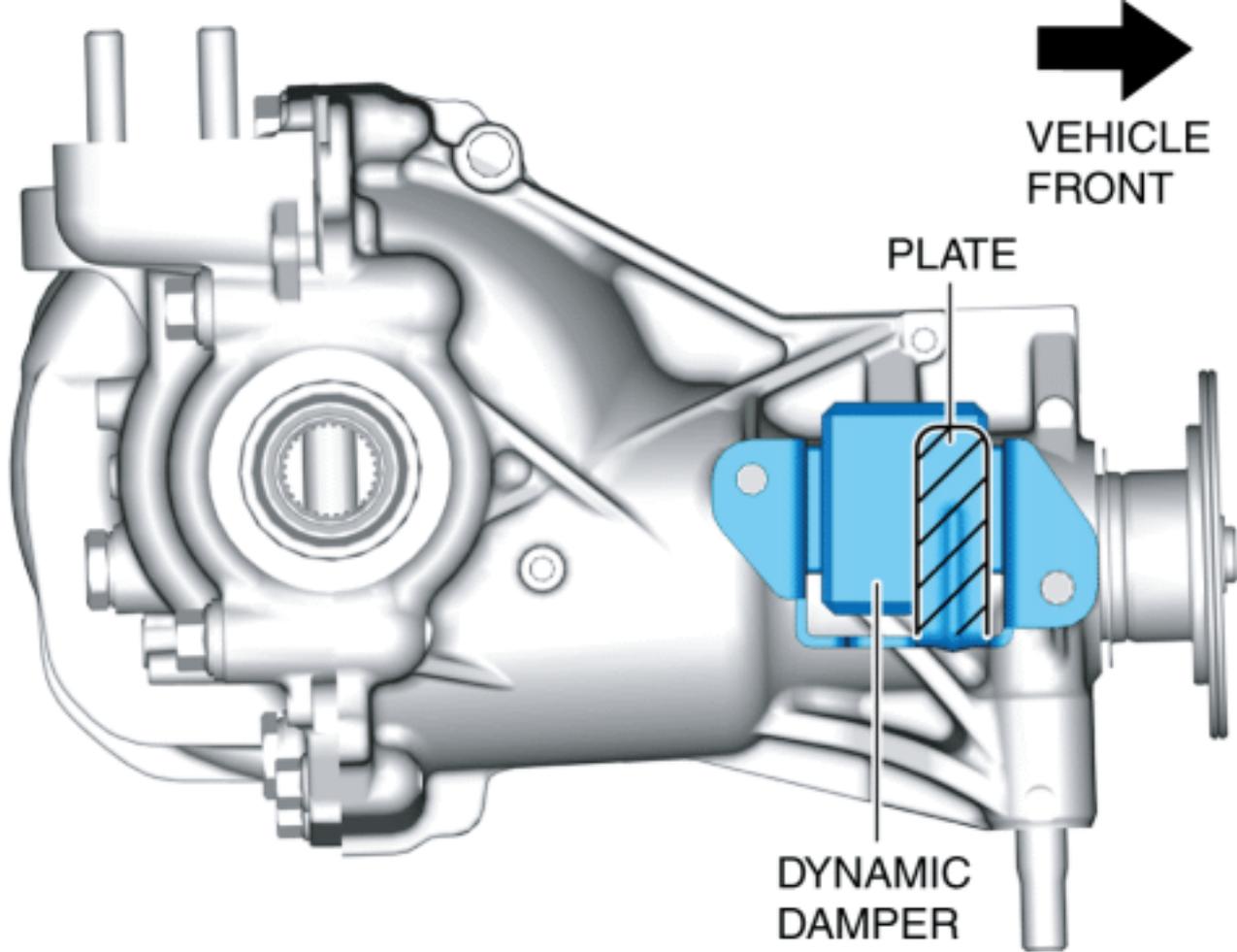
21. Inspect the rear wheel alignment and adjust if necessary. (See **REAR WHEEL ALIGNMENT.**)



1 Nut (See <b>Nut Installation Note.</b> )
2 Rear differential
3 Bolt (with MT vehicles)
4 Dynamic damper (with MT vehicles) (See <b>Dynamic Damper Installation Note.</b> )

### Dynamic Damper Installation Note

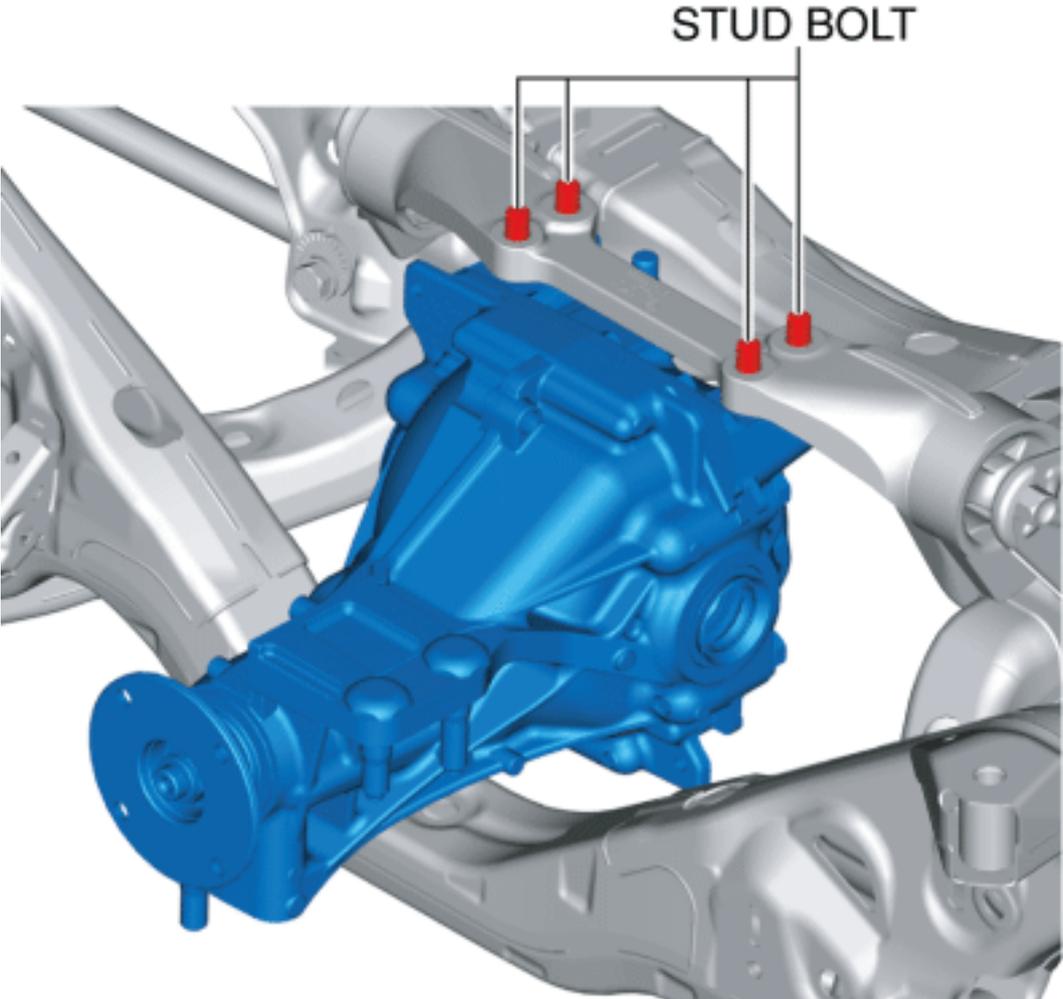
1. Assemble the dynamic damper so that the shaded area of the plate is in the position shown in the figure.



**Nut Installation Note**

**CAUTION:**

- When loosening the nuts, tighten the rear differential stud bolts because they may loosen.
1. Tighten the rear differential stud bolts.



**Tightening torque**

- 15â€”25 N·m {1.6â€”2.5 kgf·m, 12â€”18 ft·lbf}

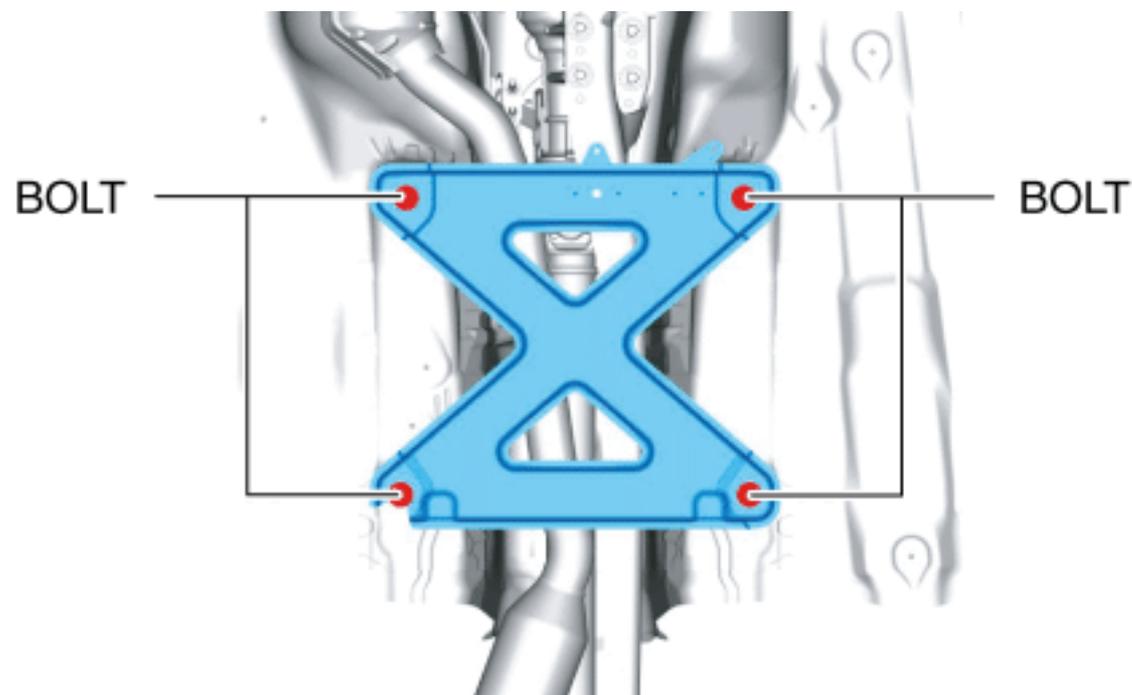
2. Tighten the nuts.

### **Tightening torque**

- 54â€”70 N·m {5.6â€”7.1 kgf·m, 40â€”51 ft·lbf}

### **TWC Installation Note**

1. Remove the tunnel member temporarily.



2. Install the TWC. (See [EXHAUST SYSTEM REMOVAL/INSTALLATION \[SKYACTIV-G 2.0\]](#).)

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