

Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

1999 JEEP Wrangler OEM Service and Repair Workshop Manual

[Go to manual page](#)

1 - Push Pins

2. Remove the push pins and remove the foam seal.



1 - Push Pin

3. Remove the push pin and remove the shield.

Front Caliper Adapter

FRONT CALIPER ADAPTER

REMOVAL

CAUTION

Never allow the disc brake caliper to hang from the brake hose. Damage to the brake hose will result. Provide a suitable support to hang the caliper securely.

1. Raise and support the vehicle ([Refer to Vehicle Quick Reference/Hoisting - Standard Procedure](#)).
2. Remove the tire and wheel assembly ([Refer to Tires and Wheels/Removal and Installation](#)).

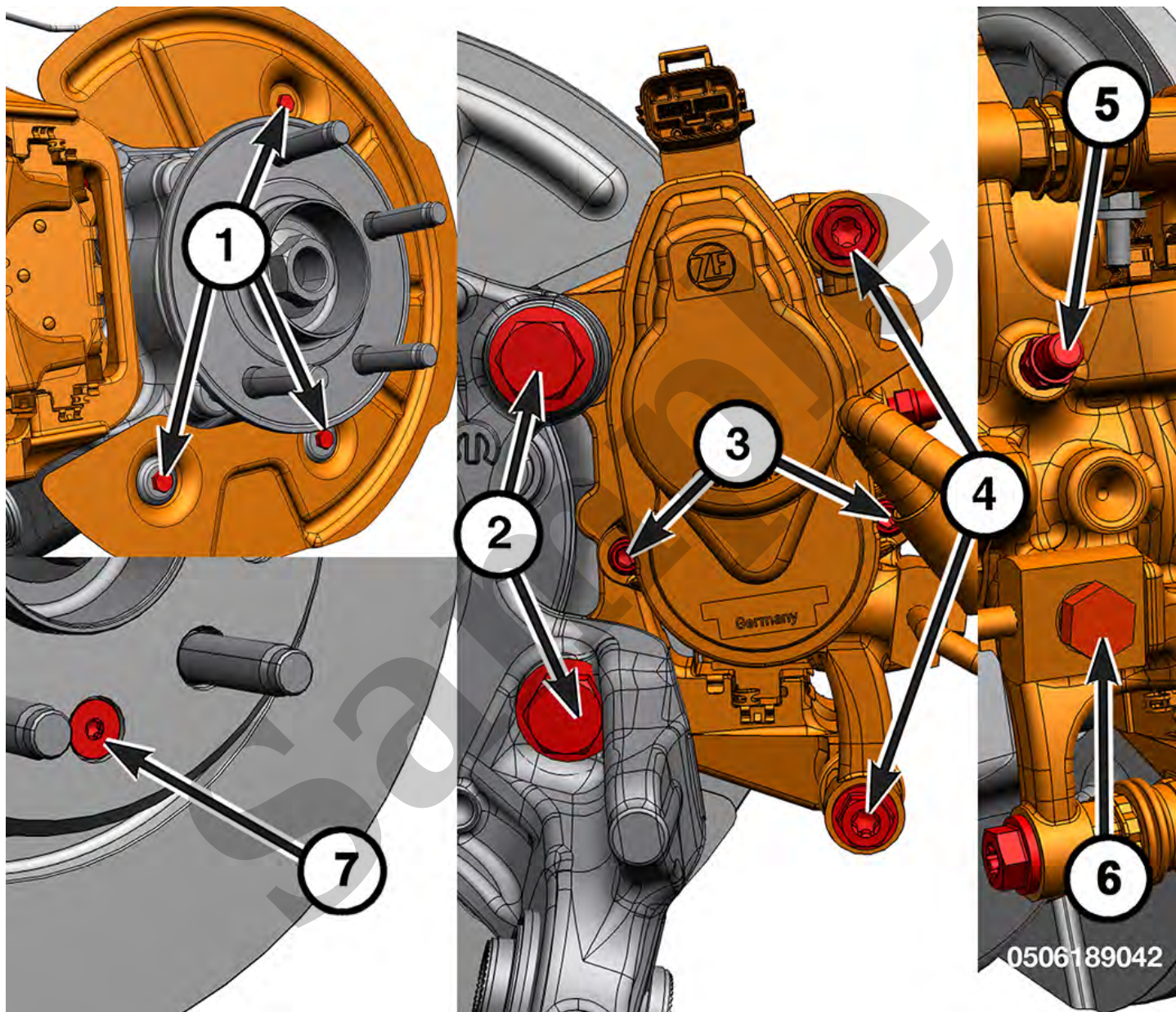
| | | | |
|---|-----------------------------|-----------------------------|---|
| 5 | Front Brake Hose Banjo Bolt | 35 N·m (26 Ft. Lbs.) | — |
| 6 | Brake Rotor Bolt | 20 N·m (15 Ft. Lbs.) | — |

Sample

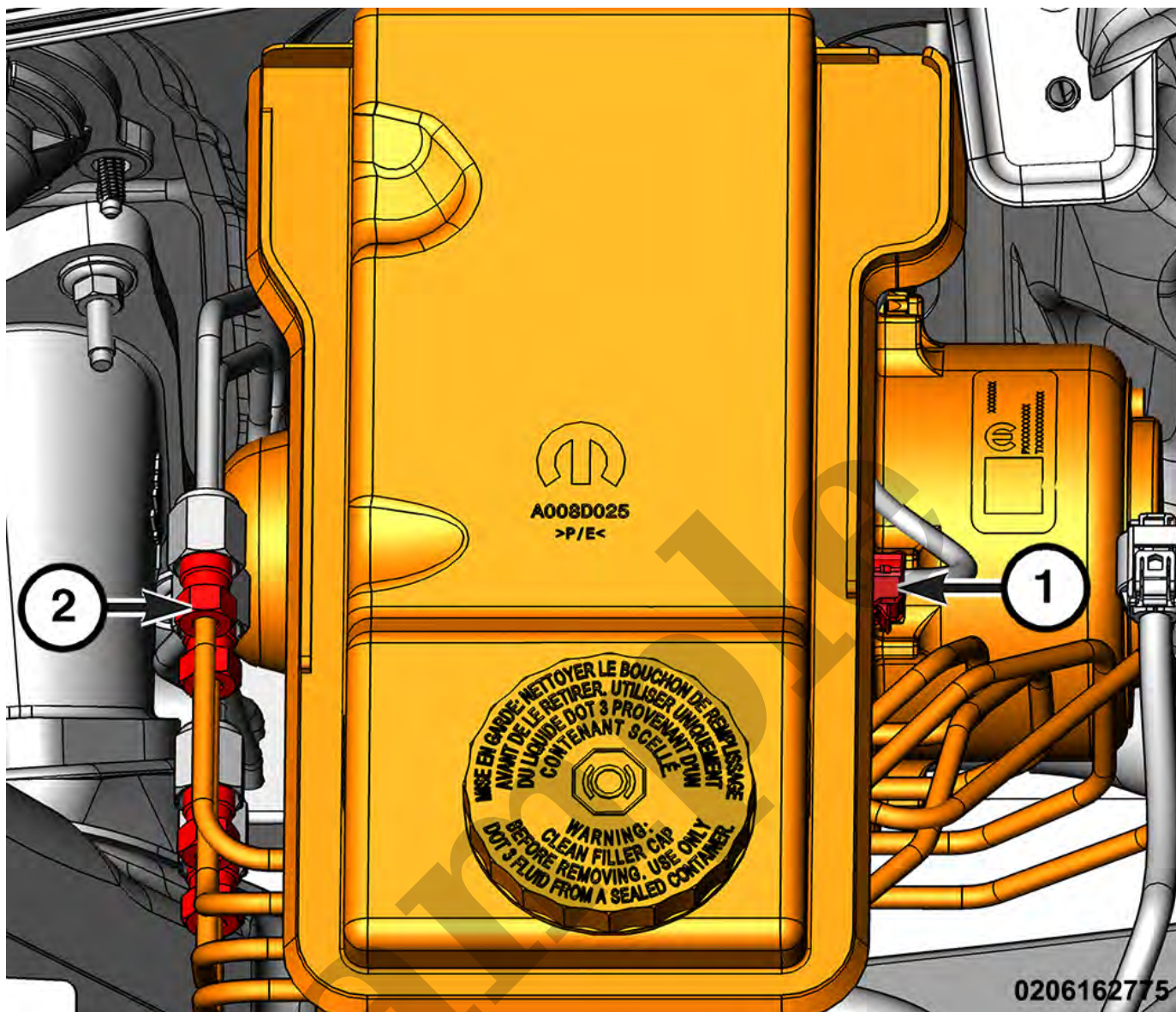
Follow the removal procedure in reverse for general reassembly of the components on the vehicle. The steps listed below are calling out specific procedures that should be followed during installation.

- The brake caliper adapters must be free of rust and debris before the anti-rattle clips are installed.
- Apply brake pressure several times to seat the brake pads and obtain a firm brake pedal.

TORQUE SPECIFICATIONS - REAR BRAKES



| CALLOUT | DESCRIPTION | SPECIFICATION | COMMENT |
|---------|---------------------------------|------------------------------|---------|
| 1 | Brake Rotor Splash Shield Bolts | 8 N·m (71 In. Lbs.) | — |
| 2 | Rear Caliper Adapter Bolts | 120 N·m (89 Ft. Lbs.) | — |



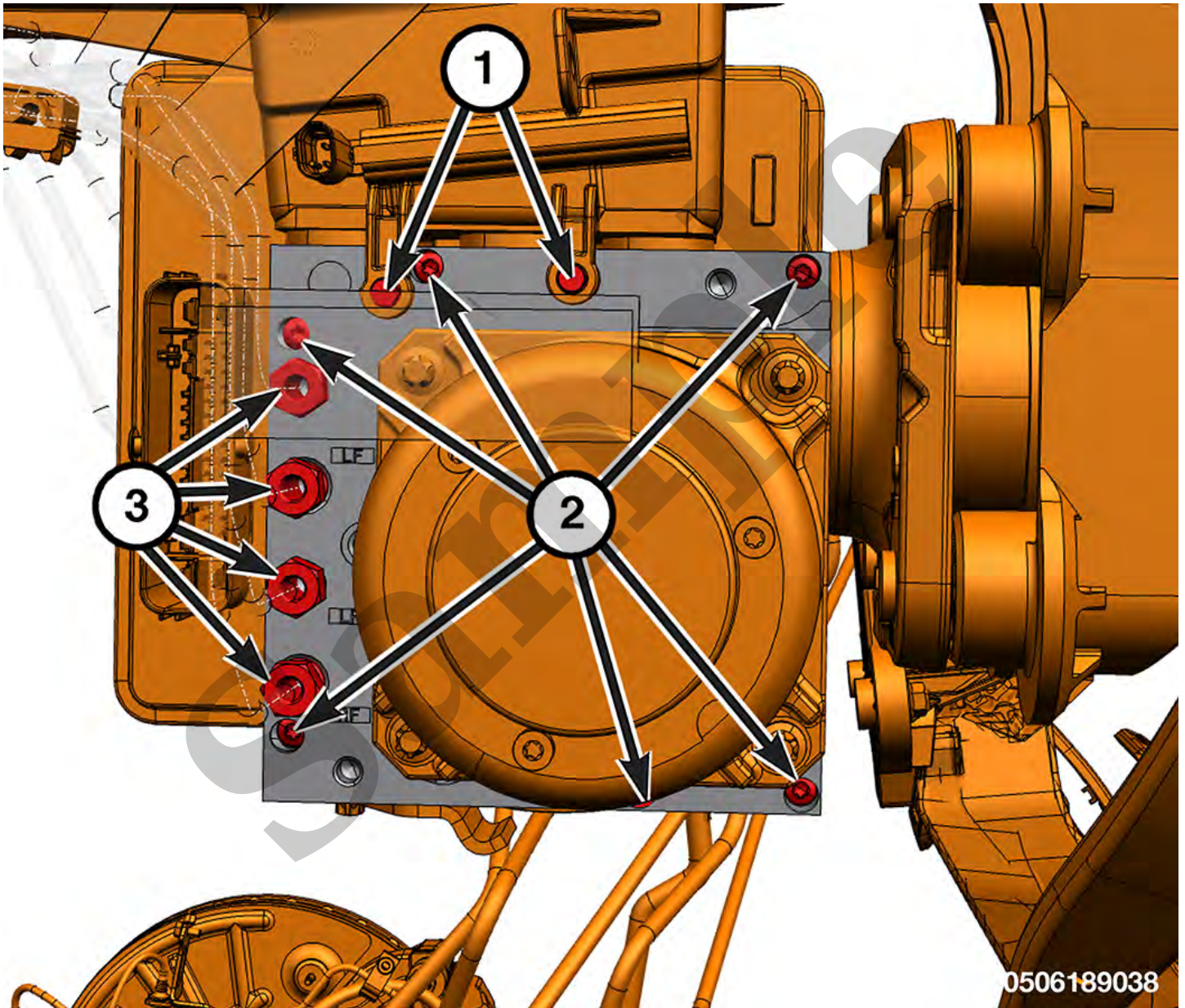
1 - Wire Harness Connector

2 - Brake Booster Line Flare Nuts

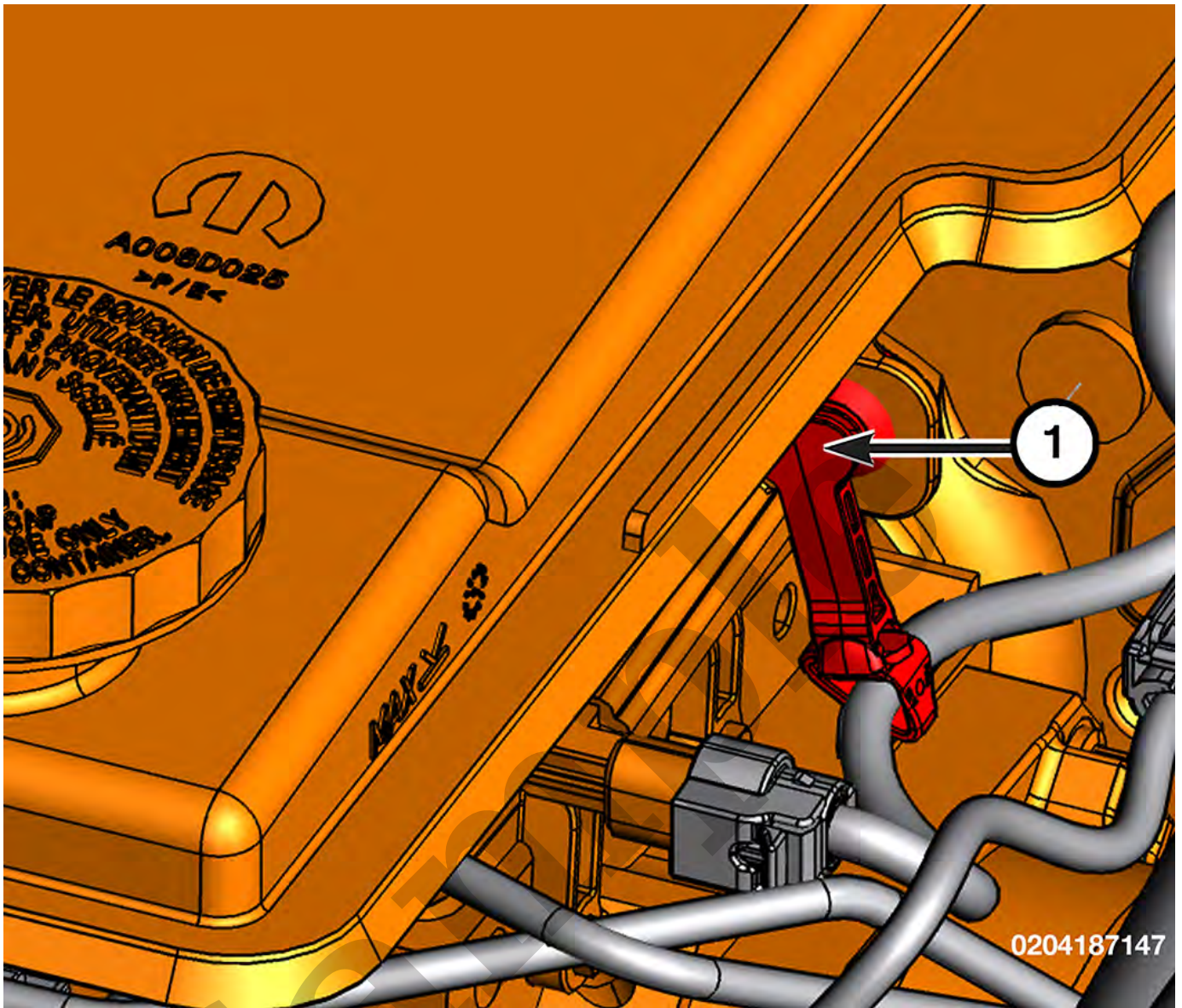
4. Disconnect the brake fluid level sensor wire harness connector.
5. Remove the brake booster line flare nuts.

- Align the brake booster pushrod to the brake booster pushrod retainer and apply pressure to the brake pedal until the pushrod locks into the brake booster pushrod retainer. Gently pull up on the brake pedal to verify engagement.
- Perform the brake bleeding standard procedure ([Refer to Brakes, Base/Standard Procedure](#)).
- Perform the BSCM Verification Test ([Refer to DTC-Based Diagnostics/MODULE, Brake System Control \(BSCM\)/Standard Procedure](#))([Refer To List 2](#)).

TORQUE SPECIFICATIONS - BRAKE BOOSTER AND MODULE



| CALLOUT | DESCRIPTION | SPECIFICATION | COMMENT |
|---------|-----------------------------|---------------------|---------|
| 1 | Brake Fluid Reservoir Bolts | 8 N·m (71 In. Lbs.) | — |



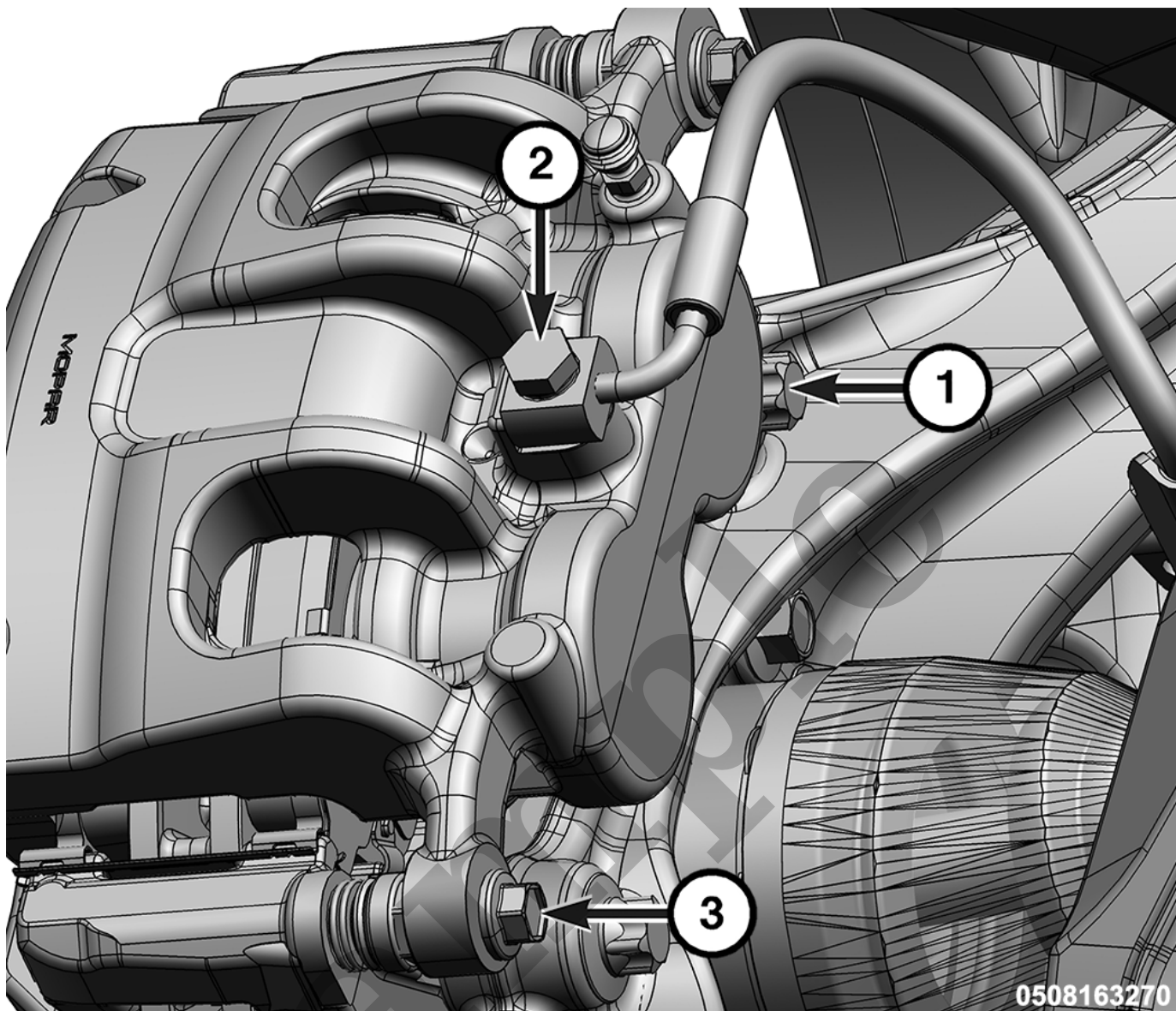
1 - Wire Harness Routing Clip

2. Disengage the wire harness routing clip.

| | | | |
|---|---------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------|
| 1 | Brake Fluid Reservoir Bolts | 8 N·m (71 In. Lbs.) | — |
| 2 | Brake System Control Module (BSCM) Bolts (First Stage) | 2.75 N·m (24 In. Lbs.) | Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications. |
| | Brake System Control Module (BSCM) Bolts (Second Stage) | 3.5 N·m (31 In. Lbs.) | |
| 3 | Brake Booster Line Flare Nuts | 20 N·m (15 Ft. Lbs.) | — |

TORQUE SPECIFICATIONS - BRAKE PEDAL

Sample



1 - Front Caliper Adapter Bolts

2 - Front Brake Hose Banjo Bolt

3 - Front Caliper Bolts

5. Remove the front brake hose banjo bolt and **DISCARD** the copper washers.

6. Remove the front caliper bolts.

7. Remove the brake caliper.

INSTALLATION

Follow the removal procedure in reverse for general reassembly of the components on the vehicle. The steps listed below are calling out specific procedures that should be followed during installation.