

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.

2015 Jeep Wrangler Service and Repair Manual

[Go to manual page](#)

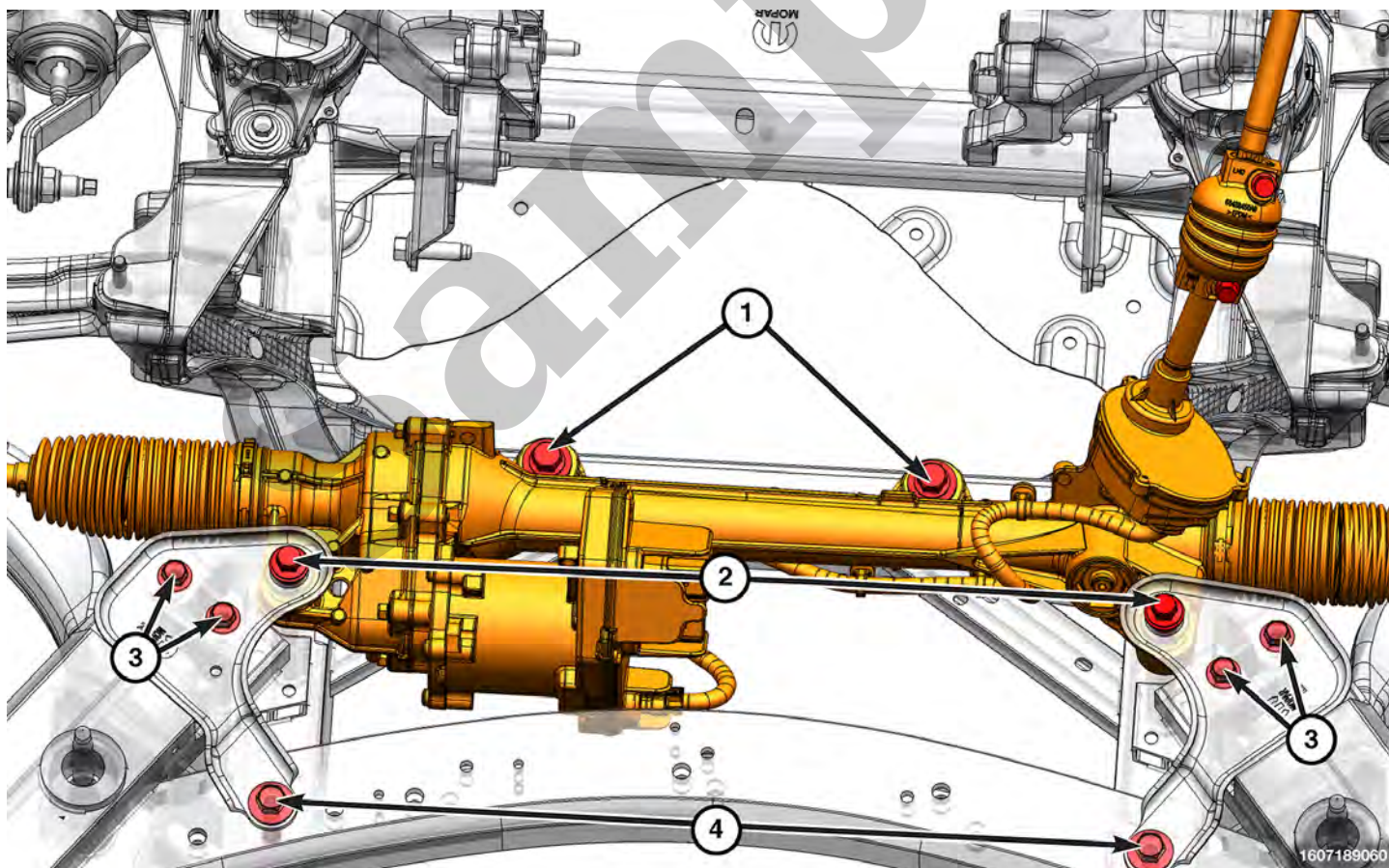
6. Remove the steering rack rear bolts.
7. Remove the steering rack bracket bolts (short).
8. Remove the steering rack bracket bolts (long).
9. Remove the brackets.
10. Remove the steering rack from the vehicle.

INSTALLATION

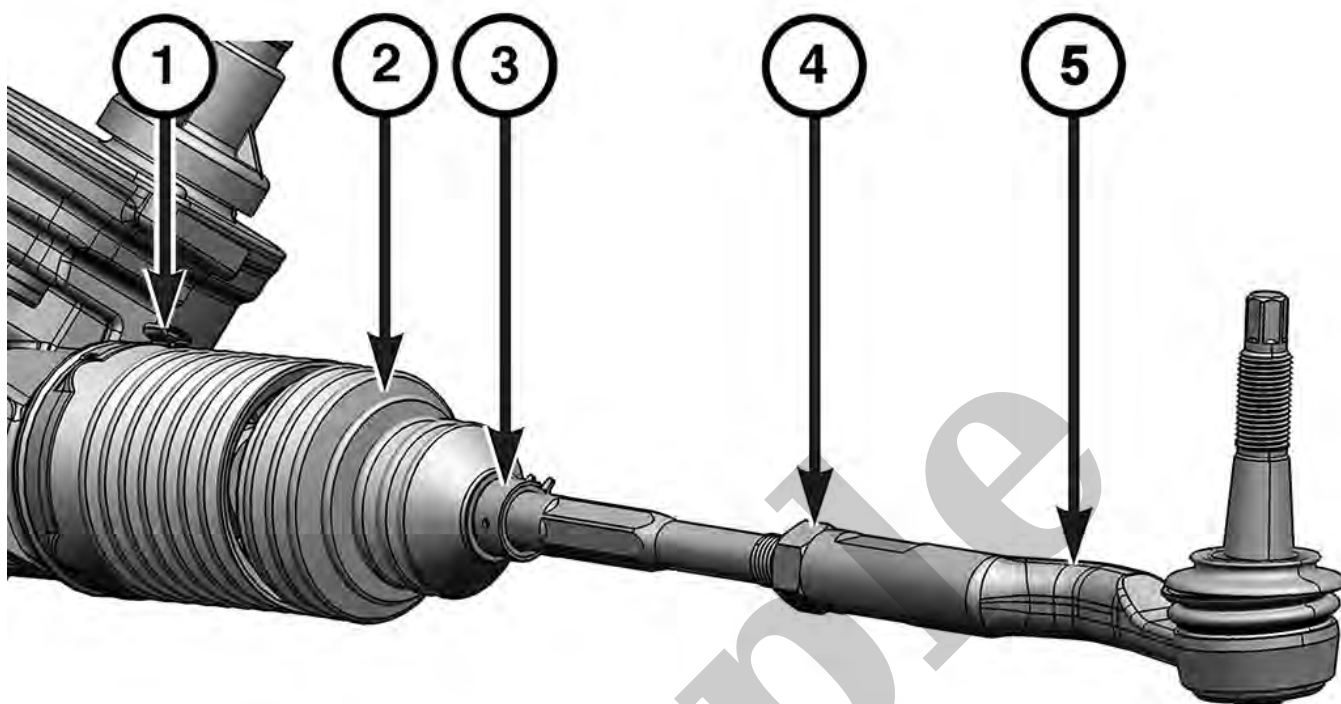
Follow the removal procedure in reverse for general reassembly of the components on the vehicle. The steps listed below are calling out specific procedures that should be followed during installation.

- Perform the Electric Power Steering (EPS) Verification Test ([Refer to DTC-Based Diagnostics/MODULE, Electric Power Steering \(EPS\)/Standard Procedure](#)).
- Perform the wheel alignment standard procedure ([Refer to Front Suspension/Wheel Alignment/Toe Set/Standard Procedure](#)).

TORQUE SPECIFICATIONS - STEERING RACK AND PINION



CALLOUT	DESCRIPTION	SPECIFICATION	COMMENT
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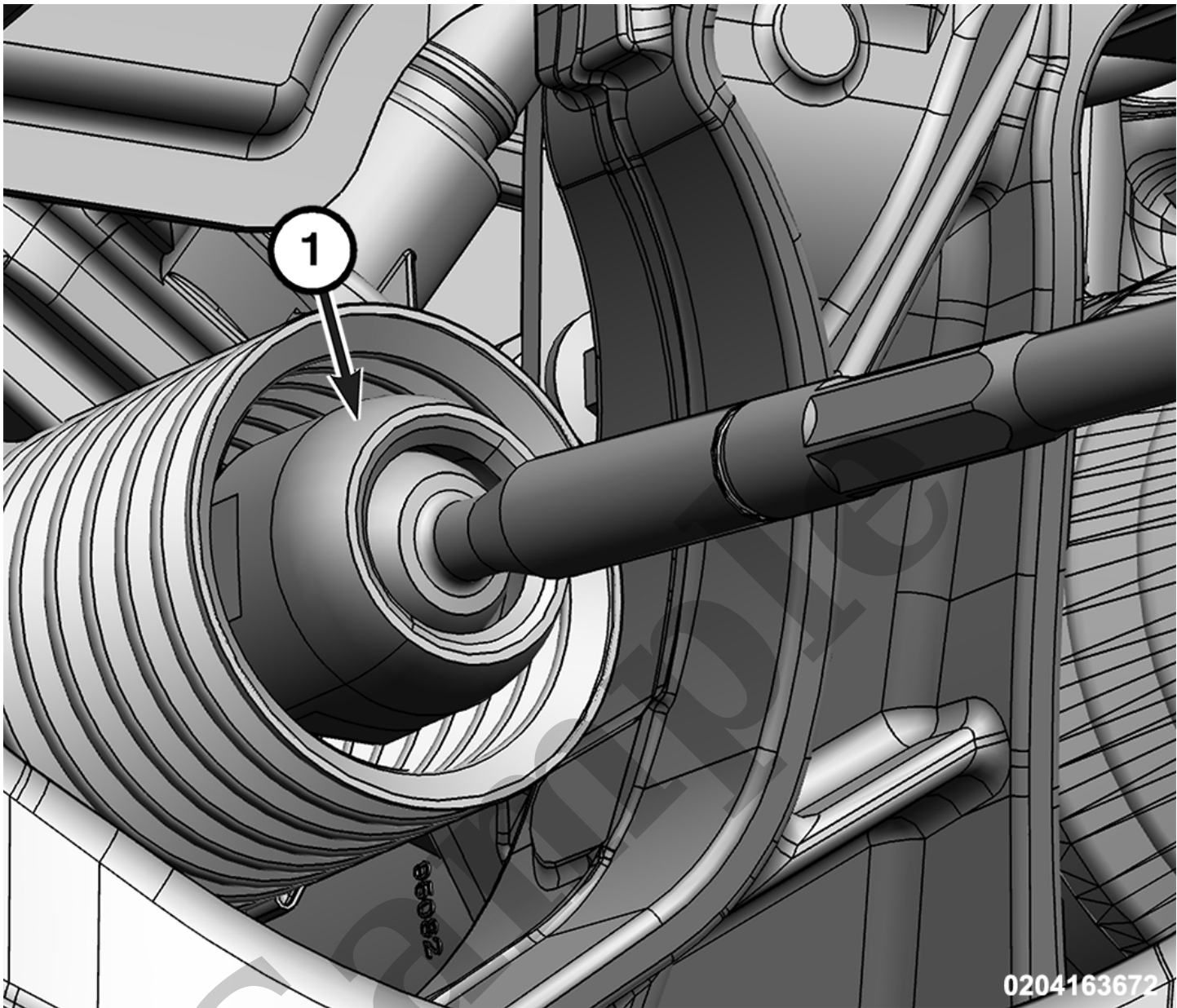
1 - Clamp	4 - Tie Rod Jam Nut
2 - Inner Tie Rod Boot	5 - Outer Tie Rod
3 - Clamp	

4. Remove the tie rod jam nut.

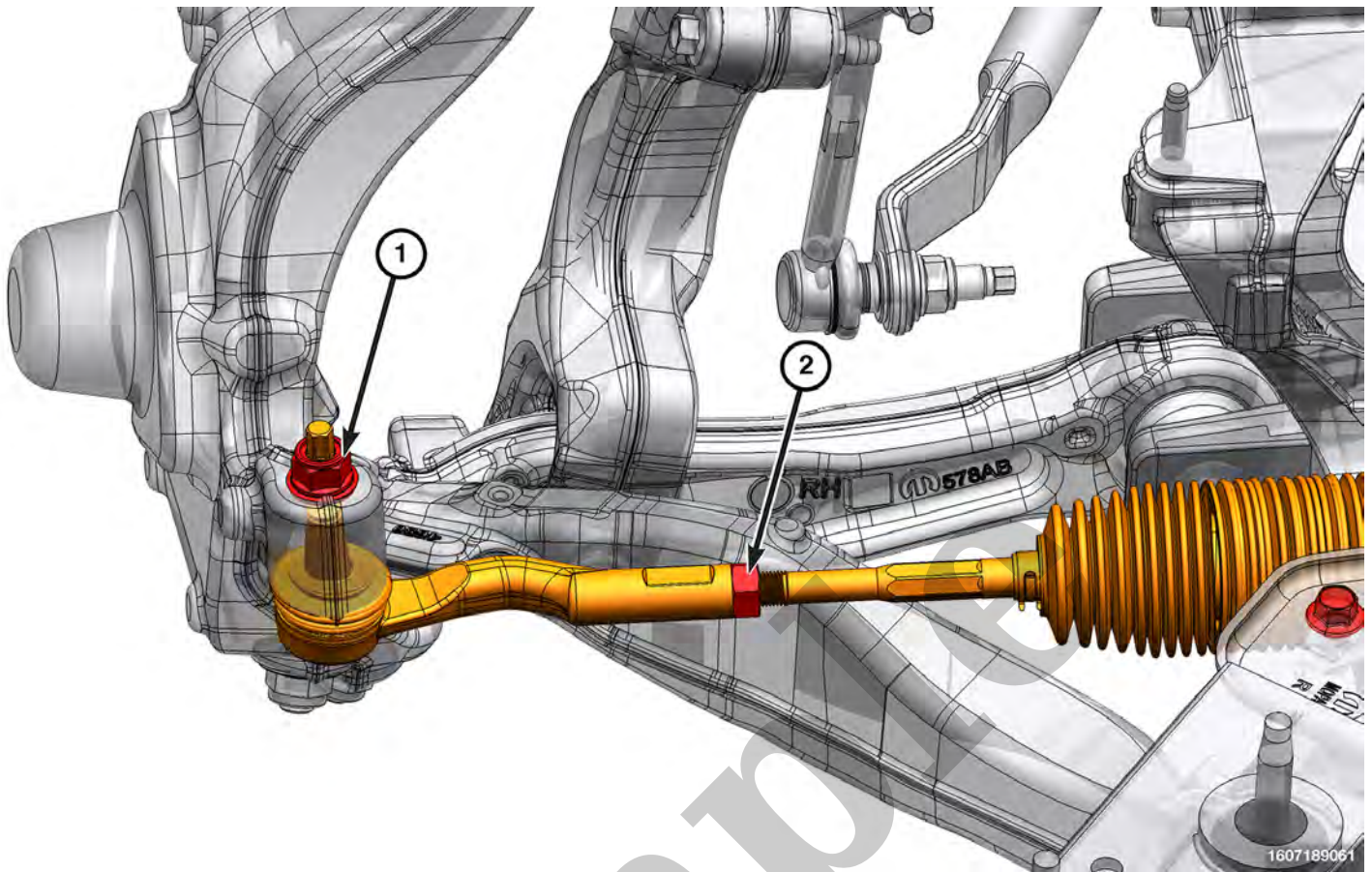
NOTE

Count the number of turns. This will give a good starting point when reassembling and when setting toe.

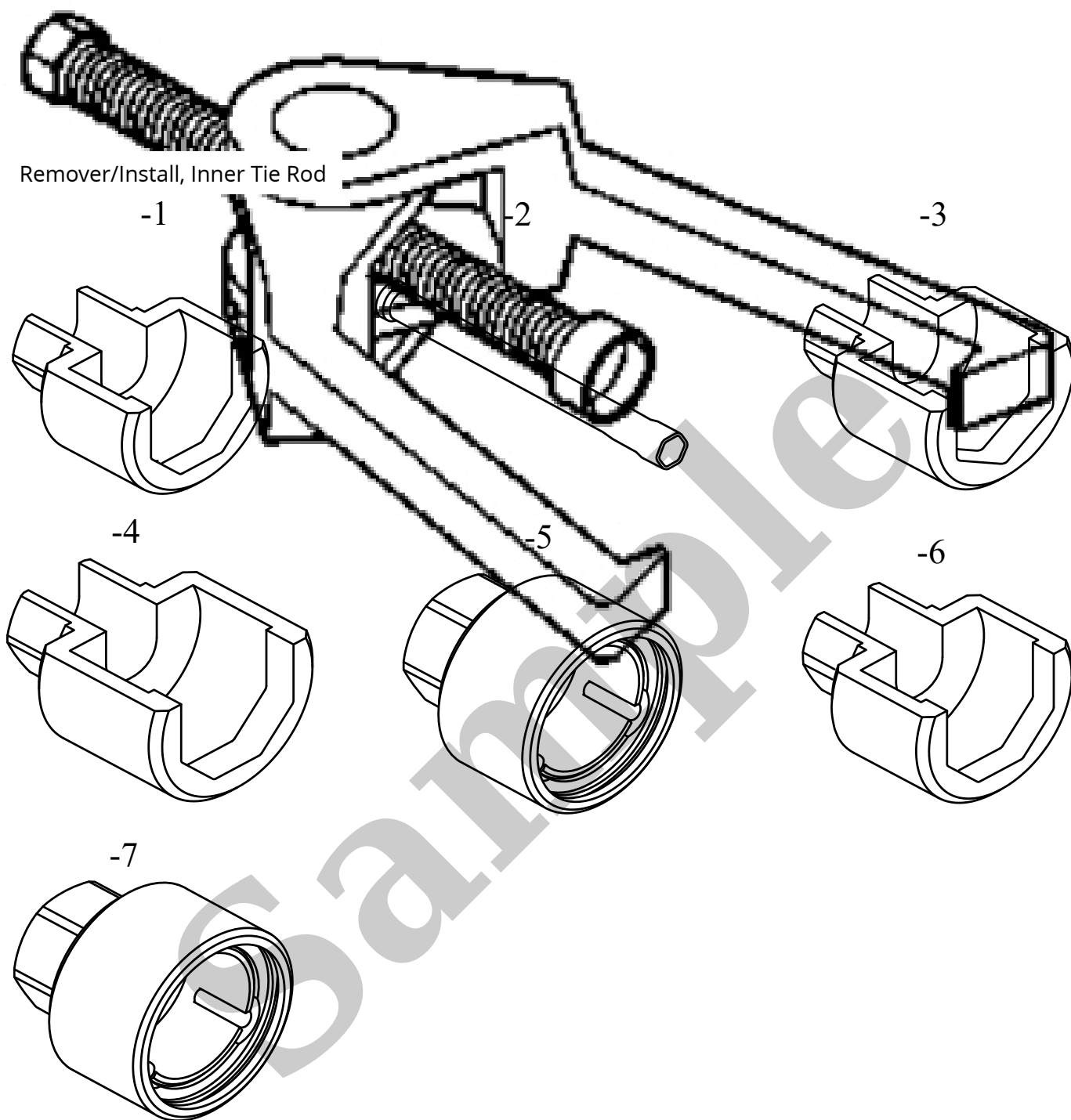
5. Remove the clamps from the inner tie rod boot.



CALLOUT	DESCRIPTION	SPECIFICATION	COMMENT
1	Inner Tie Rod	120 N·m (89 Ft. Lbs.)	—



CALLOUT	DESCRIPTION	SPECIFICATION	COMMENT
1	Tie Rod End Nut	54 + 110° N·m (40 + 110° Ft. Lbs.)	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
2	Tie Rod Jam Nut	100 N·m (74 Ft. Lbs.)	—



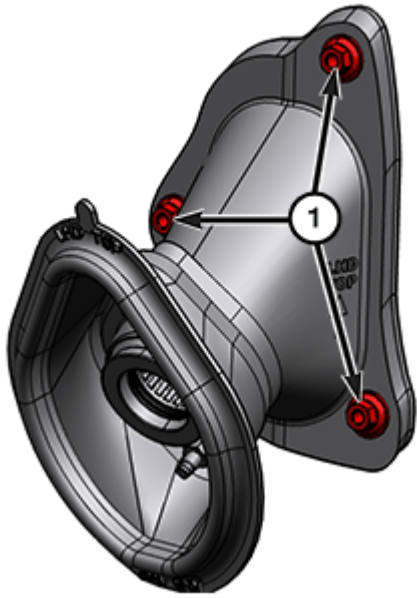
Remover/Install, Inner Tie Rod

Adapter, Inner Tie Rod End



**ESSENTIAL
TOOLS**

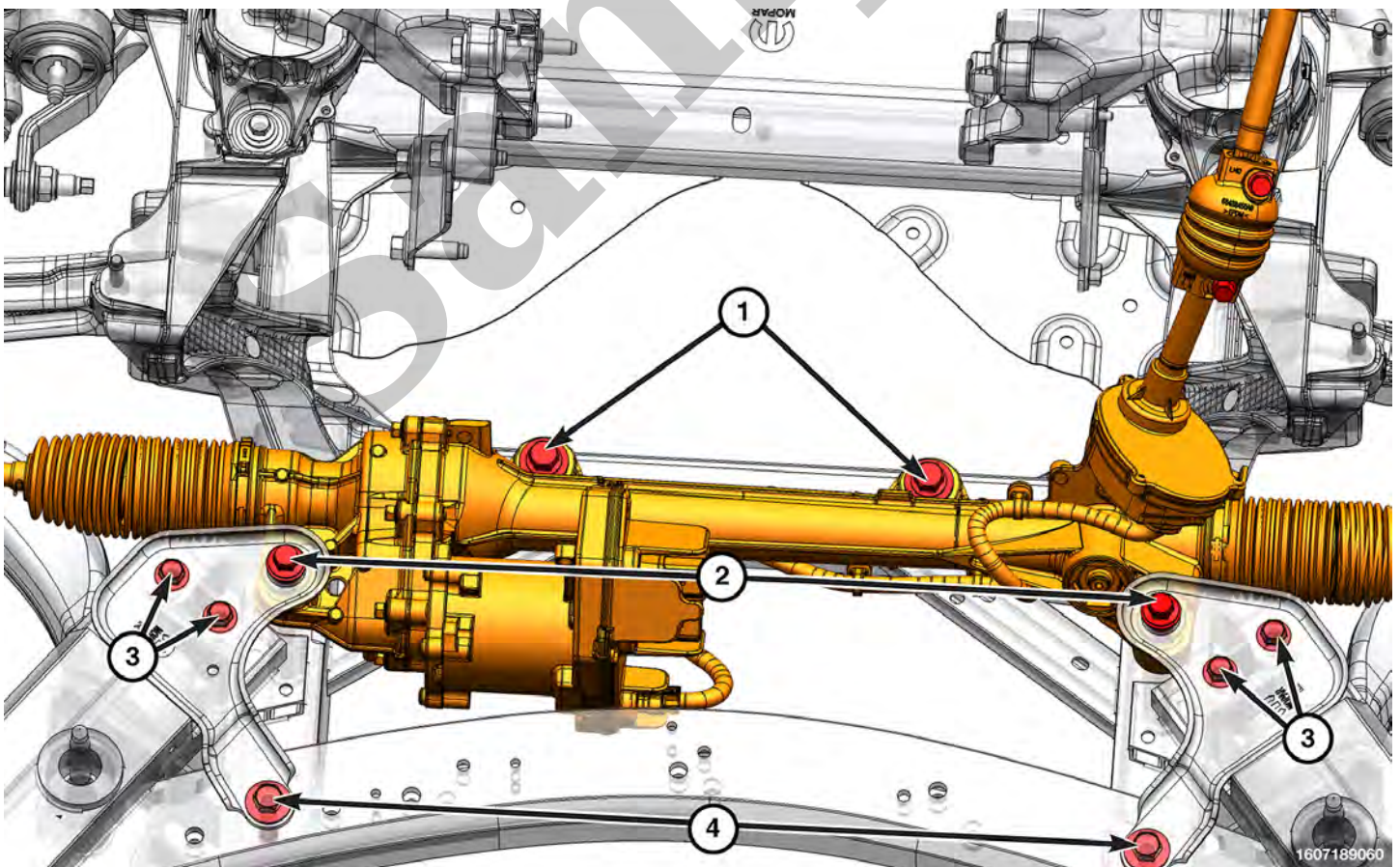
Holder, EPS Steering Rack



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CALLOUT	DESCRIPTION	SPECIFICATION	COMMENT
1	Steering Column Boot Nuts	8 N·m (71 In. Lbs.)	—

TORQUE SPECIFICATIONS - STEERING RACK AND PINION



assembly if the 90° air line fitting is the concern.

NOTE

The air suspension system can be disabled and enabled by using the Display Screen Module (DSM) in the vehicle under Tire Jack Mode, which is the preferred method. If the disable level control routine in the diagnostic scan tool is used, it will only disable the level control (automatic and manual) for that ignition cycle. The air suspension system can also be enabled by driving the vehicle above 19 km/h (12 mph). The air suspension must be disabled prior to lifting the vehicle or performing any work.

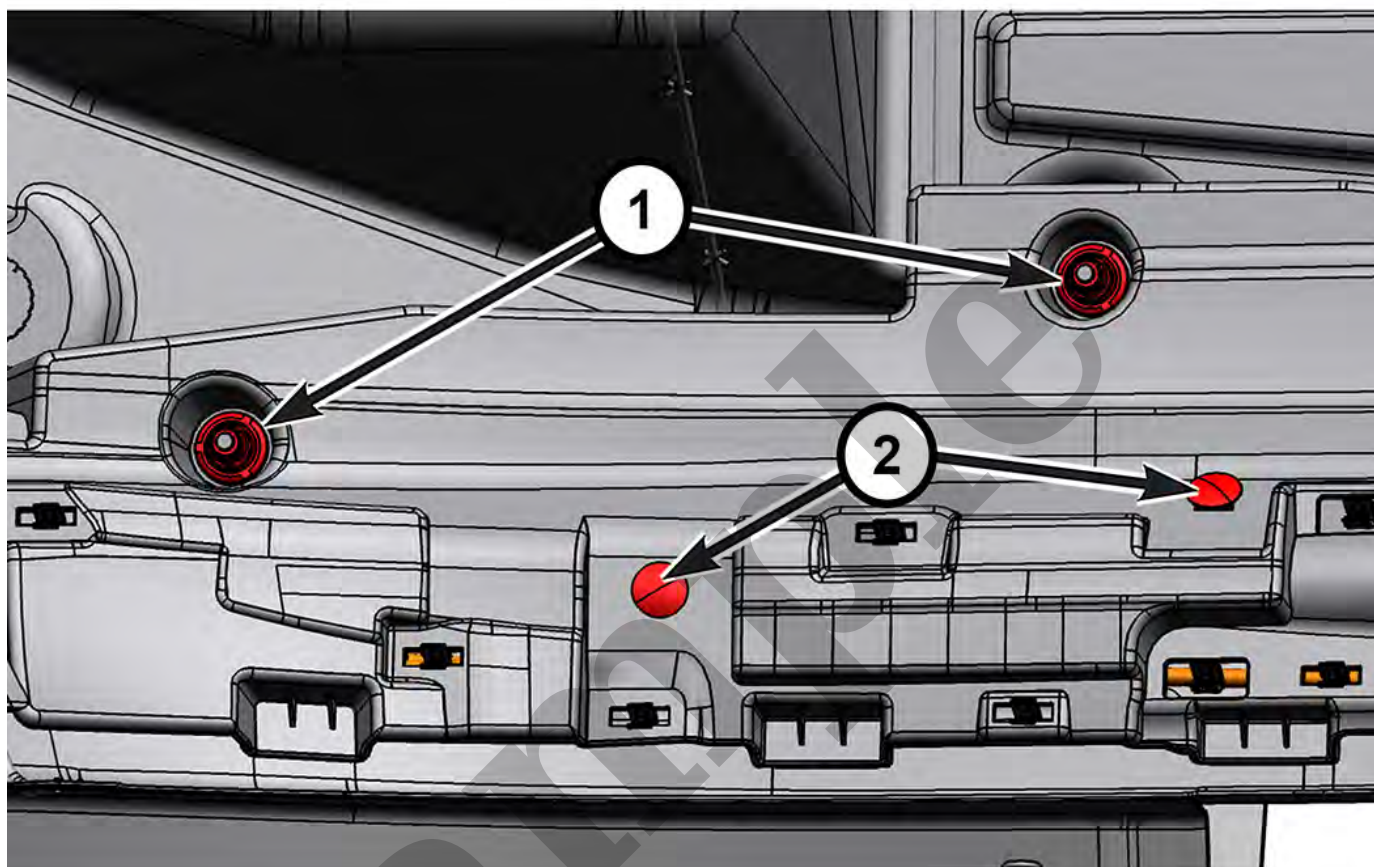
1. Disable the air suspension system ([Refer to 02 - Front Suspension/Air Suspension/Standard Procedure](#)).
2. Raise and support the vehicle ([Refer to Vehicle Quick Reference/Hoisting - Standard Procedure](#)).
3. With a diagnostic scan tool, under the Air Suspension Control Module (ASCM) run the "Deflate to Atmosphere" routine and select "All Springs and Reservoir" then "Complete Deflate".

NOTE

This routine will deflate the air springs and reservoir to a predefined pressure set point. It may be necessary to loosen air line fittings to release residual air pressure.

4. Remove the cowl panel cover ([Refer to Body/Exterior/COVER, Cowl Panel/Removal and Installation](#)).

18. Remove the shield fasteners and remove the shield.



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1 - Shield Nuts

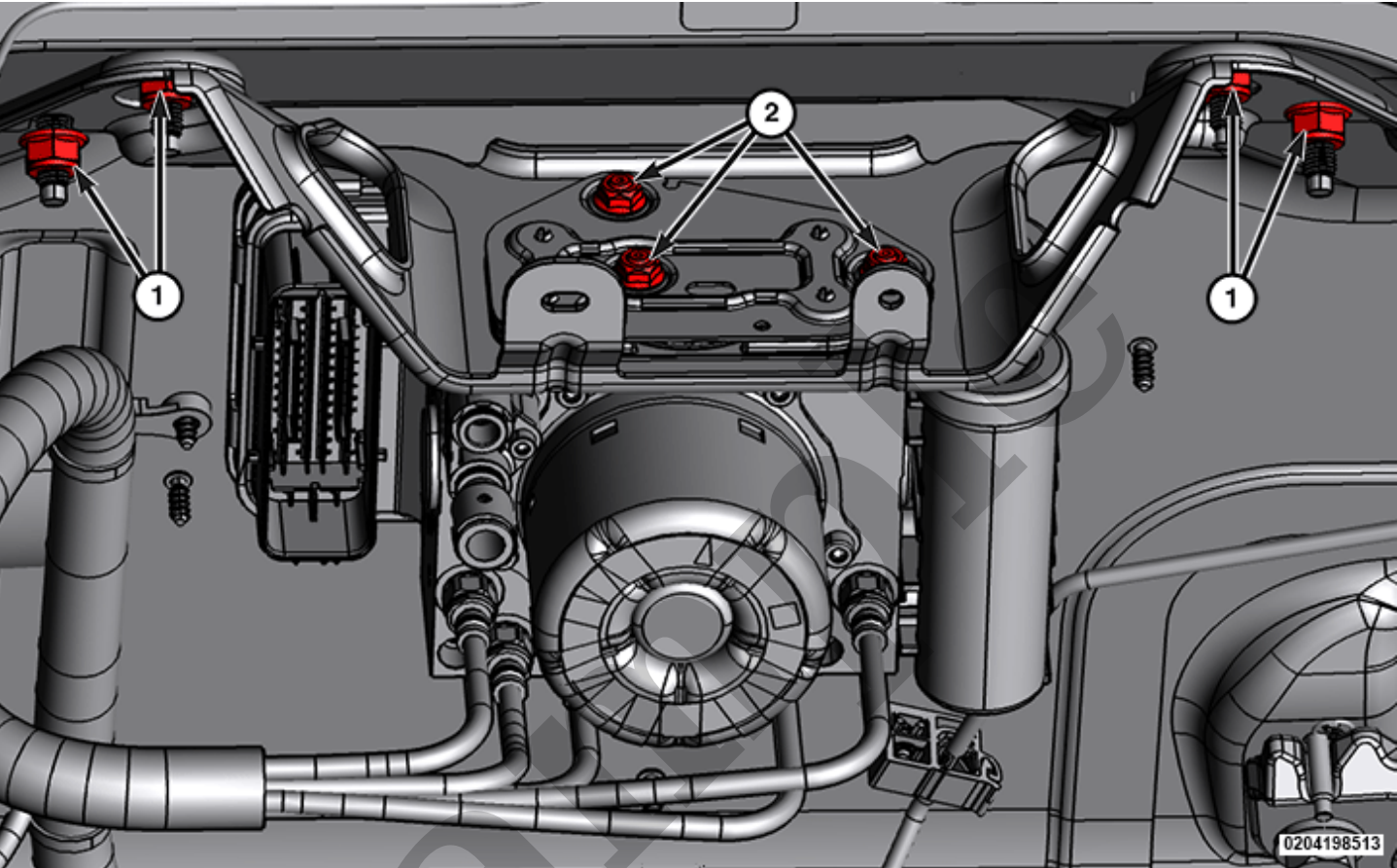
2 - Shield Fasteners

19. Remove the shield bolts.

20. Remove the shield fasteners and remove the shield.

4	Rear Air Spring Line Nut	3.5 N·m (31 In. Lbs.)	—
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TORQUE SPECIFICATIONS - AIR COMPRESSOR AND VALVES



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1	Air Compressor Bracket Nuts	23 N·m (17 Ft. Lbs.)	—
2	Air Compressor Nuts	7 N·m (62 In. Lbs.)	—
–	Air Compressor Shield Nuts and Bolts	7 N·m (62 In. Lbs.)	—