

ROUGH COUNTRY

921850060

Mercedes 2019-26 Sprinter Van Ride Control Kit

Thank you for choosing Rough Country for all your vehicle needs.

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.

If questions exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product.

Check all fasteners for proper torque. Check to ensure for adequate clearance between all components.

Periodically check all hardware for tightness.

PRODUCT USE INFORMATION

As a general rule, the taller a vehicle is, the easier it will roll. Seat belts and shoulder harnesses should be worn at all times. Avoid situations where a side rollover may occur. Generally, braking performance and capability are decreased when larger/heavier tires and wheels are used. Take this into consideration while driving. Do not add, alter, or fabricate any factory or after-market parts to increase vehicle height over the intended height of the Rough Country product purchased. Mixing component brands is not recommended.

Any vehicle equipped with any Rough Country product should have a "Warning to Driver" decal installed on the inside of the windshield or on the vehicle's dash. The decal should act as a constant reminder for whoever is operating the vehicle.

DEALER AND VEHICLE OWNER

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Kit Contents:

Driver Front Vertex Strut x1
Passenger Front Vertex Strut x1
Rear Vertex Coil-over x2
Bolt Sleeve x2
1/4" Thick Washer x2
Cable Tie x3
Driver Rear Upper Frame Mount x1
Pass Rear Upper Frame Mount x1
Driver Rear Lower Axle Mount x1
Pass Rear Lower Axle Mount x1
Retainer x3
Rear ABS Bracket x1

Tools Needed:

10mm Wrench or Socket
13mm Wrench or Socket
17mm Wrench or Socket
18mm Wrench or Socket
19mm Wrench or Socket
21mm Wrench or Socket
22mm Wrench or Socket
24mm Wrench or Socket

RC Nutsert Toolkit #10583

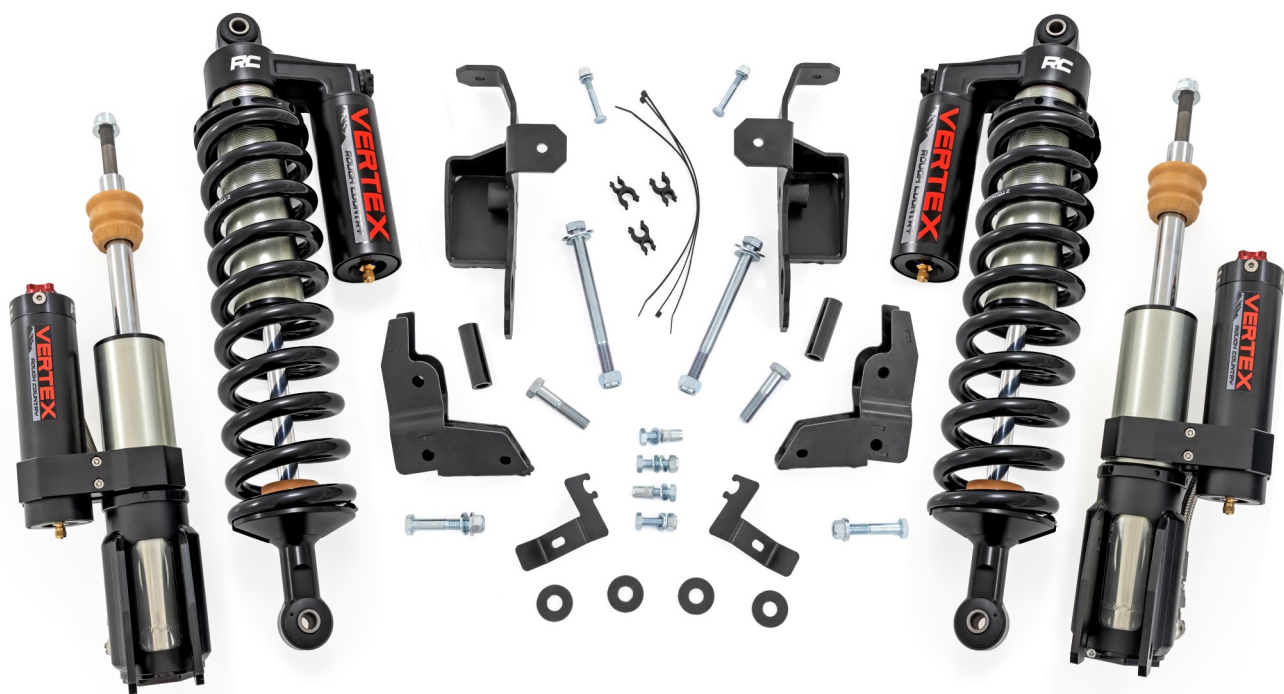
Hardware Included:

14mm- 1.5 X 65MM x2
14mm x 170mm x2
10mm Flat Washer x6
10mm-1.5 X 35MM x4
10mm-1.5 Nylock Nut x2
.562 Flat Washer x2
10mm Nutsert x2
8mm Flat Washer x2
M8-1.25X60MM x2
8MM-1.25 Flange Nut x2
12MM - 1.75 X 70MM x2
12mm Flat Washer x2
12mm Flange Lock Nut x2

Torque Specs:

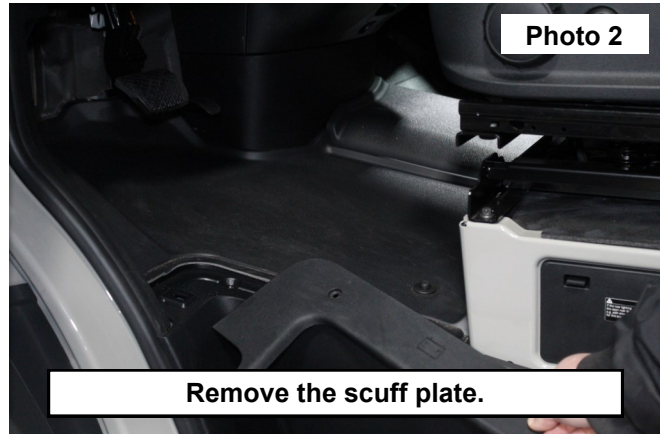
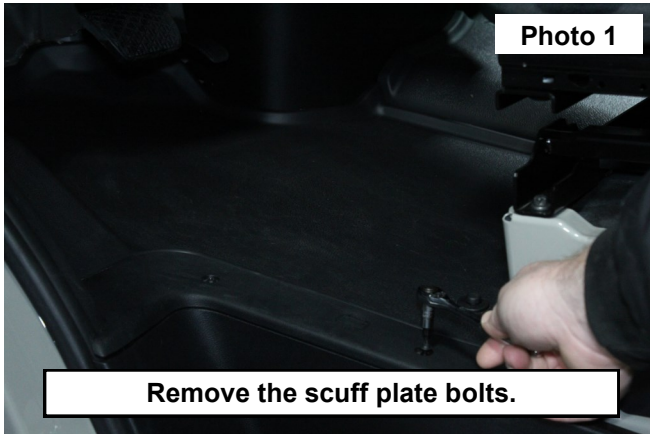
Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16"	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8"	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16"	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2"	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16"	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8"	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4"	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs



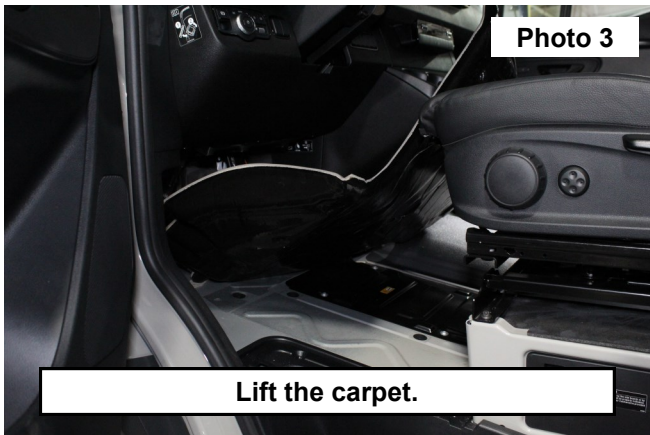


INSTALLATION INSTRUCTIONS

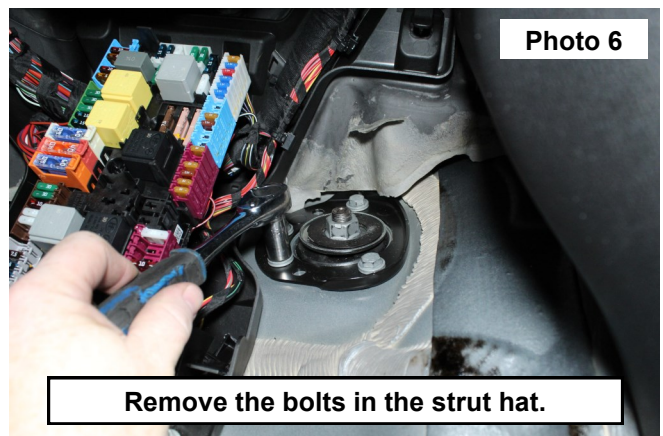
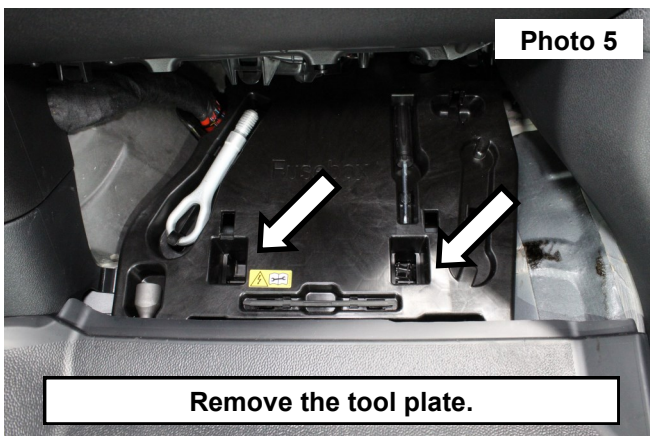
1. Locate and remove the (2) bolts in the scuff plate using a T25 Torx bit. **See Photo 1.**
2. Remove the scuff plate from the floor and set aside in a safe place. **See Photo 2.**



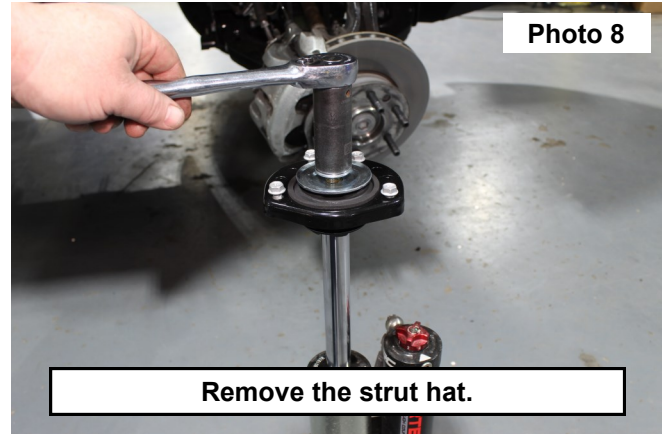
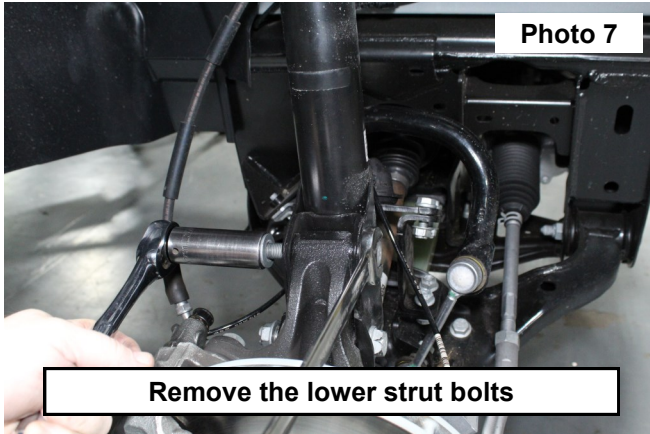
3. Lift the front of the carpet back to expose the top of the strut. **See Photo 3.**
4. Remove the front floor mat by removing the (2) bolts using a flat bit driver. **See Photo 4.**



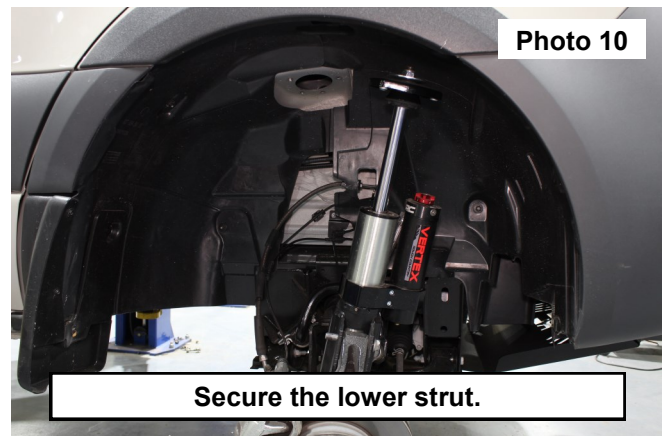
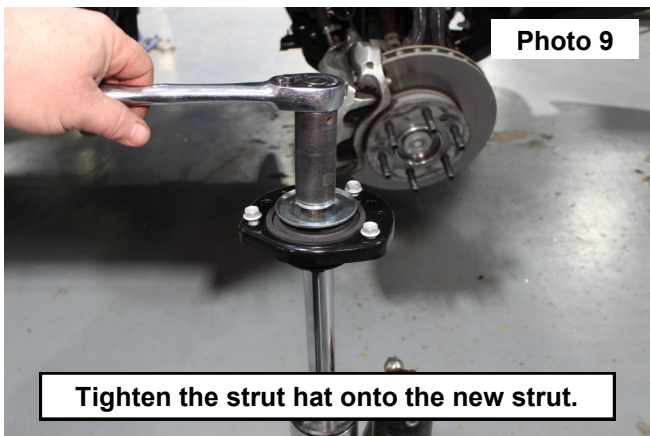
5. Inside the (2) square holes, press the clips together and remove the tool plate from the floor of the vehicle. **See Photo 5.**
6. On the driver and passenger side, remove the 3 bolts from the upper strut mount using a 13mm socket. **See Photo 6.**



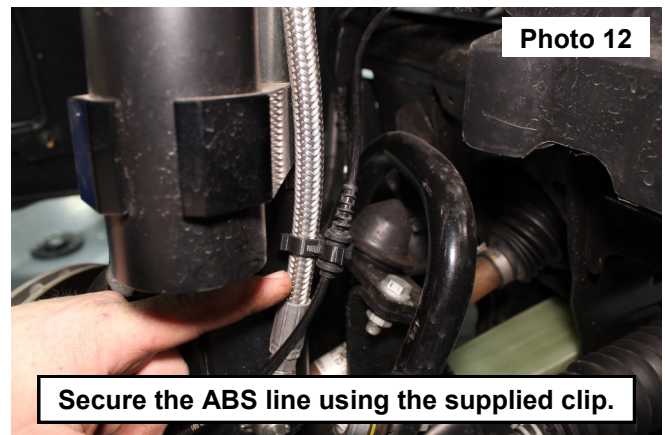
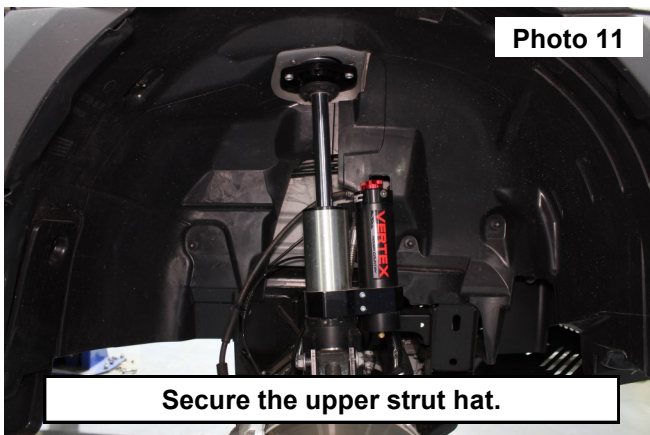
7. Remove the lower strut bolts using a 21mm socket and wrench. Retain hardware for later use. **See Photo 7.**
8. Remove the strut from the vehicle.
9. Remove the upper strut hat nut using a 24mm socket. **See Photo 8.**



10. Install the upper strut hat onto the new vertex strut. Secure using the supplied nut. Use a 24mm socket to tighten. **See Photo 9.**
11. Place the strut onto the knuckle and secure, using the (2) retained OE bolts. Tighten using a 21mm socket and wrench. **See Photo 10.**

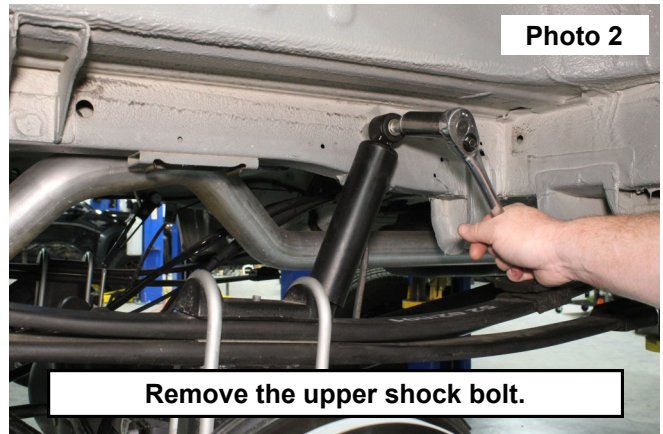
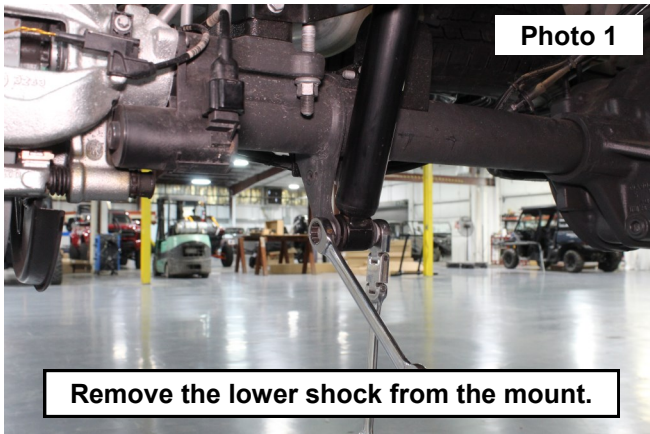


12. Support the lower control arm with a jack. Place the upper strut hat into the upper strut mount, lift the jack up to seat the strut hat. Secure using the (3) OE bolts and tighten using a 13mm socket. Lower and remove the jack. **See Photo 11.**
13. Secure the ABS line to the brake line using the supplied clip on each line. **See Photo 12.**
14. Repeat this process on the opposite side of the vehicle.
15. Reinstall the tool plate, floor mat, and scuff plate using a T25 Torx bit following steps 1-5.

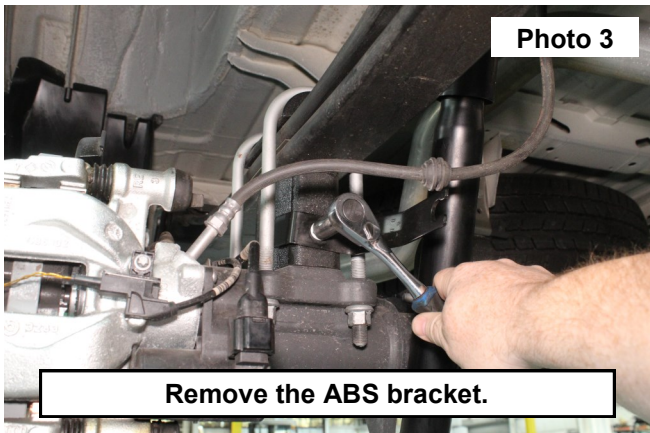


REAR SHOCK INSTALLATION

1. Lift the rear of the vehicle using a jack, Place the rear end on jack stands. Remove the rear wheels and tires.
2. Remove the lower shock bolt from the rear end mount using an 18mm socket and wrench. **See Photo 1.**
3. Remove the upper shock bolt from the frame mount using a 21mm socket, then remove the shock from the vehicle. **See Photo 2.**



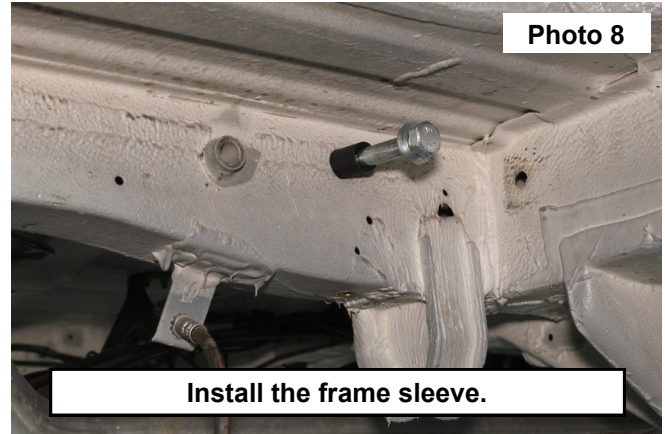
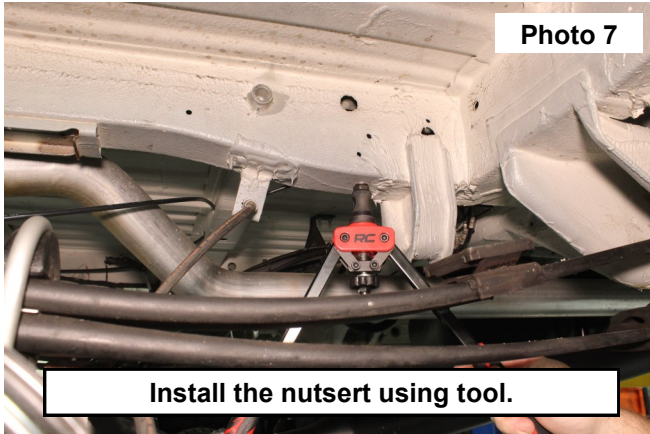
4. Remove the ABS line bracket using a 13mm socket. **See Photo 3.**
5. Place the upper shock bracket onto the frame. Use the new frame bracket as a template and mark the locations of the front hole and the bottom of the frame bracket hole using a permanent marker. **See Photo 4.**



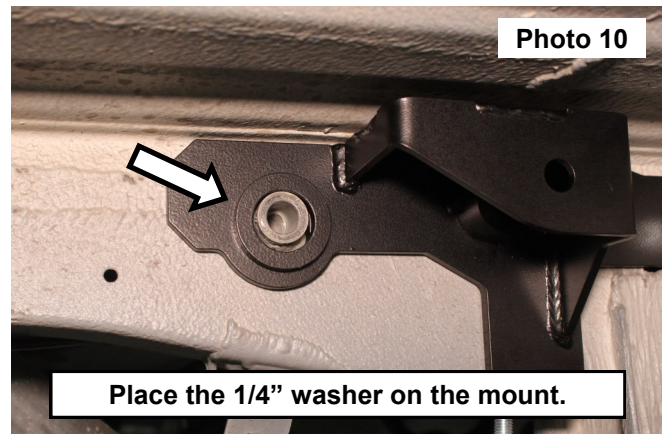
6. Use a drill motor and a 17/32 bit to place the front hole and the bottom holes into the frame. **See Photos 5 and 6.**



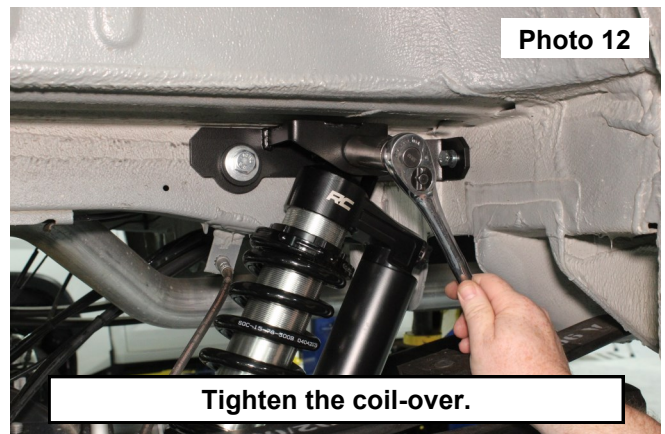
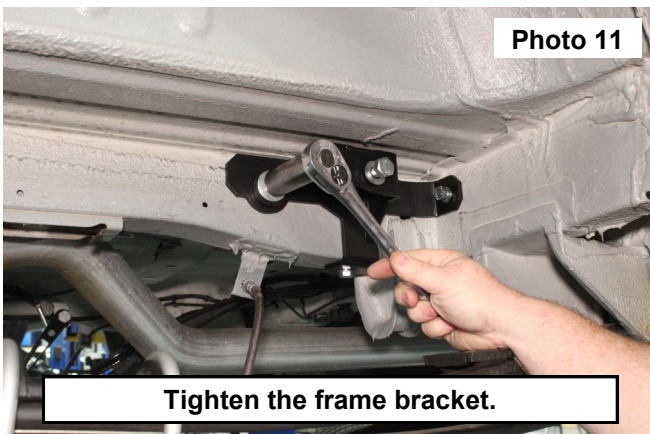
7. Install the nutsert in the bottom hole using the RC Nutsert tool kit or the supplied nut and bolt. **See Photo 7.**
8. Install the new sleeve into the hole in the frame, Temporarily use a 14mm bolt to help the sleeve into the correct position. **See Photo 8.**



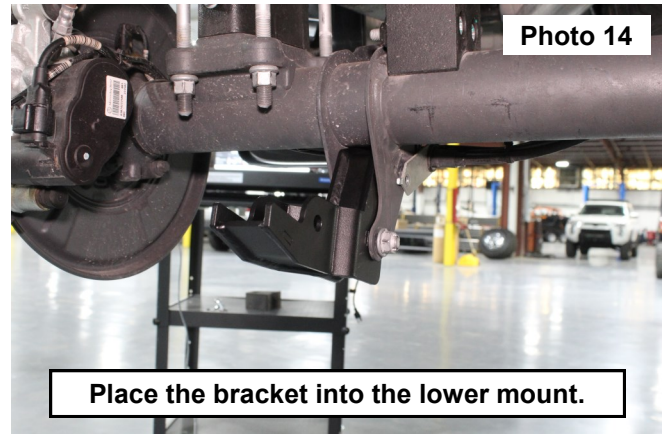
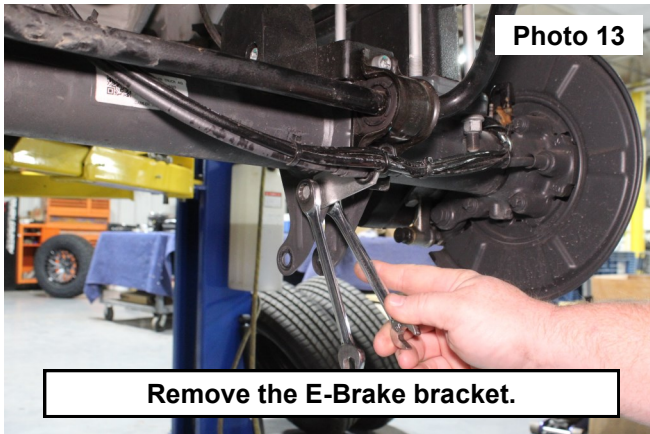
9. Install upper shock mount bracket to the frame using (1) of the supplied 10mm bolts and washers in the nutserts. **See Photo 9.**
10. Install the 1/4" thick washer. **See Photo 10.**



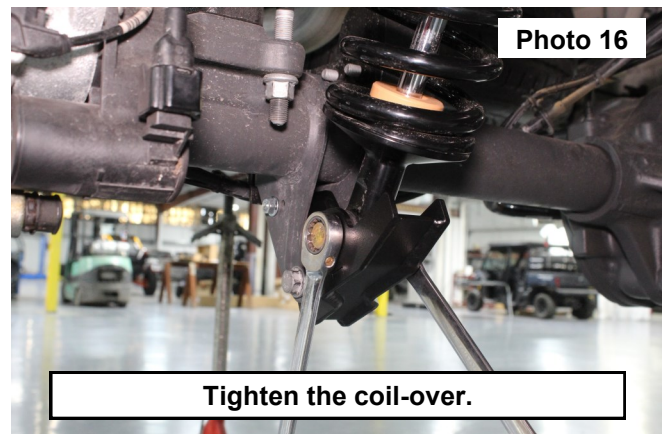
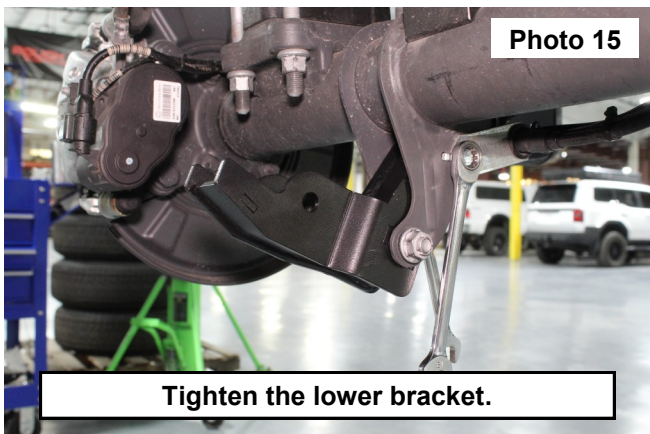
11. Secure the bracket and 1/4" thick washer using the supplied 14mm x 65mm bolt and .562 flat washer. Tighten all hardware at this time using a 17mm and 22mm sockets. **See Photo 11.**
12. Install coil-over shock onto the frame bracket. Place the 14mm x 170mm bolt and washer through the bracket, sleeve, and frame. Secure using the supplied 14mm washer and nut on the inside of the frame. Tighten using a 22mm socket and wrench. **See Photo 12.**



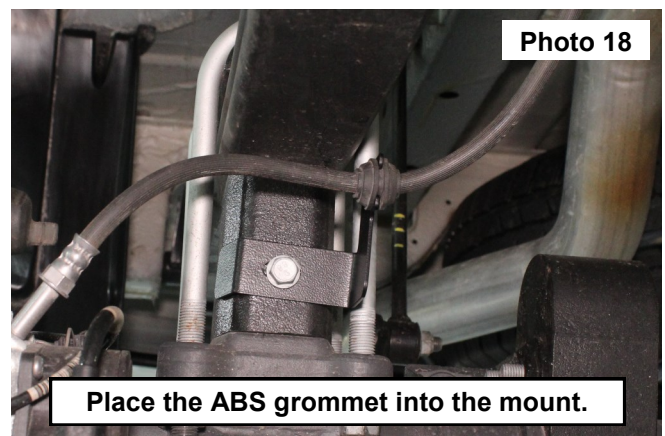
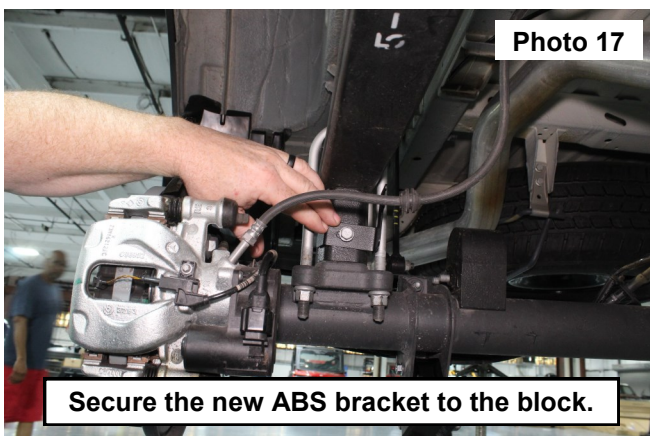
13. Remove the rear end E-Brake cable bracket from the lower shock mount using a 13mm wrench. **See Photo 13.**
14. Place new lower shock bracket into the axle mount. Secure using the retained OE bolt in the original mounting location. **See Photo 14.**



15. Secure the E-Brake mount and the new shock bracket using (1) of the supplied 8mm-1.25x60mm bolt and (1) 8mm flat washer. Tighten the E-Brake bracket using a 13mm wrench and the shock bracket using a 21mm socket and wrench. **See Photo 15.**
16. Place the coil-over into the lower mount. Support the rear end with a jack and lift up to align the mounting holes. Secure the coil-over using (1) of the supplied 12mm -1.75 x 70mm bolt, (2) 12mm flat washers, and (1) 12mm flange lock nut. **See Photo 16.**



17. Install the new ABS line bracket to the block using the retained hardware. **See Photo 17.**
18. Place the ABS line grommet into the new bracket. **See Photo 18.**
19. Repeat the installation on the opposite side. Then remove the jack stands, install wheels, and tires and lower to the ground.



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