

Installation Manual



10432 KIT

2.5" Leveling Kit Ford F-250/F-350 Super Duty (4WD)*
Excludes Tremor

Levels the stance of your vehicle by raising the front end a fixed amount, increasing both the ground and wheel well clearance for the installation of larger wheels.

* See application guide for proper fitment.

Thank you and congratulations on the purchase of a leveling kit. Please read the entire manual prior to starting the installation to ensure you can complete it once started.

KIT LAYOUT



KIT CONTENTS

Please make sure all the items shown in the above kit layout are provided in your kit before starting the installation.

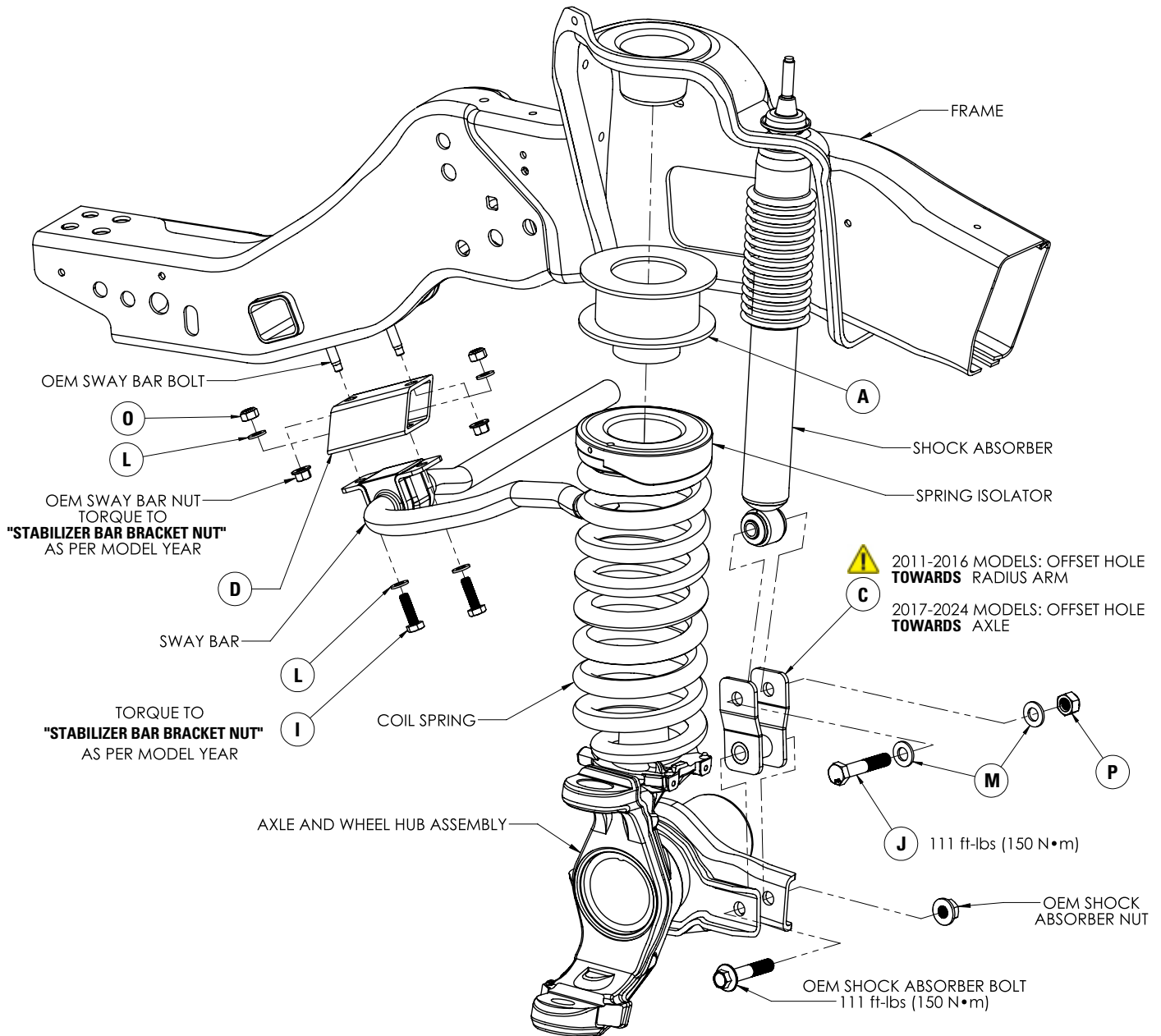
KIT CONTENTS		QTY	PART #
A	2.5" Front Spacer	2	HP1774
B	Bump Stop Spacer	2	HP1776
C	Shock Extension Bracket	2	HP1777
D	Sway Bar Bracket	2	HP1778
E	Brake Line Bracket (Passenger)	1	HP1472
F	Brake Line Bracket (Driver)	1	HP1473
G	Bolt, M8 - 1.25 X 16mm Hex Head	2	HP1146
H	Bolt, M8 - 1.25 X 70mm Hex Head	2	HP1780
I	Bolt, M10 X 1.5 X 35mm Hex Head	4	HP1134
J	Bolt, M14 - 2 X 75mm Hex Head	2	HP1781
K	Washer, M8 Flat	4	C10473
L	Washer, M10 Flat	8	HP1573
M	Washer, M14 Flat	4	HP1466
N	Nut, M8 - 1.25 Nylon Lock	2	C11377
O	Nut, M10 - 1.5 Nylon Lock	4	HP1574
P	Nut, M14 - 2 Nylon Lock	2	HP1467

REQUIRED TOOLS

- Hoist or Floor Jack
- Safety Stands
- Safety Glasses
- Torque Wrench
- Standard Combination Wrenches
- 7/32" Hex Allen Wrench
- 1-1/8" Wrench or Deep Socket
- Metric & Standard
- Sockets Ratchet

Please make sure all the items shown in the previous page kit contents are provided in your kit before starting the installation.

KIT ASSEMBLY (DRIVER SIDE) SHOWN:

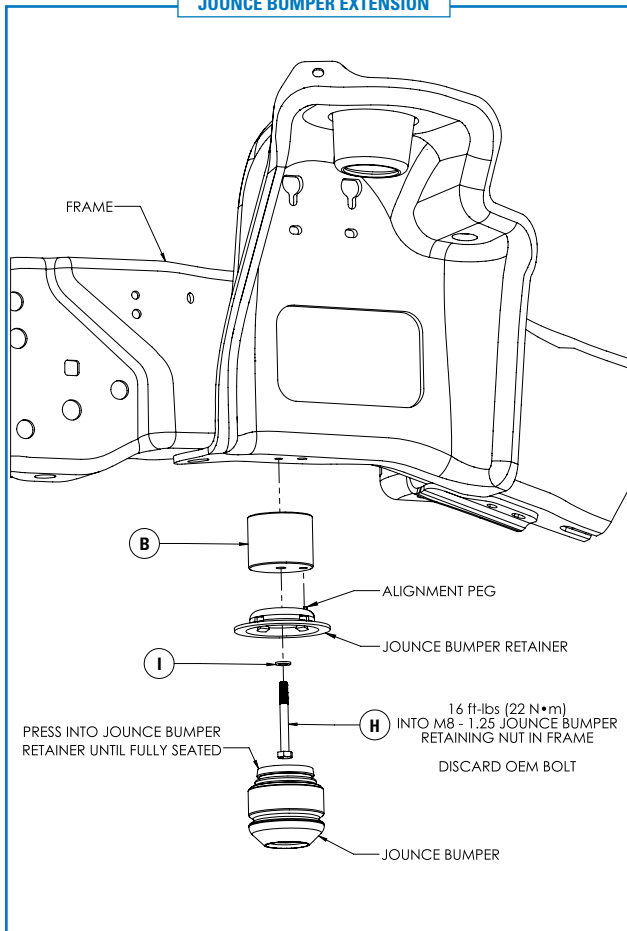


OEM TORQUE SPECIFICATIONS

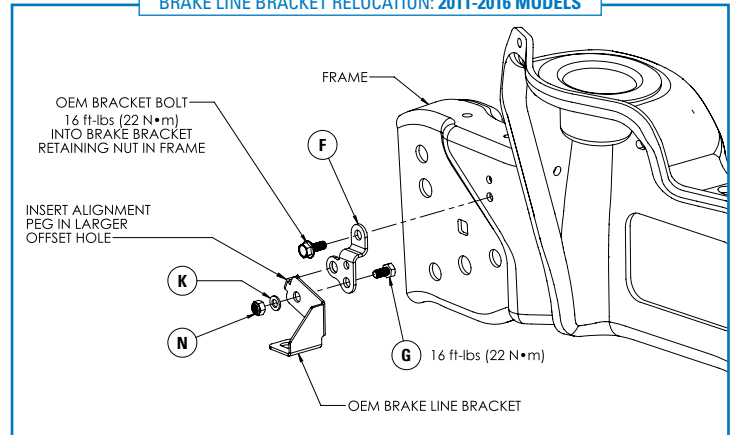
MODEL YEAR	2011-2016	2017-2024
SHOCK ABSORBER UPPER NUT	46 ft-lbs (63 N•m)	59 ft-lbs (80 N•m)
SHOCK ABSORBER LOWER BOLT	111 ft-lbs (150 N•m)	
STABILIZER BAR END LINK NUT	52 ft-lbs (70 N•m)	59 ft-lbs (80 N•m)
STABILIZER BAR BRACKET NUT	35 ft-lbs (48 N•m)	41 ft-lbs (55 N•m)
RADIUS ARM TO FRAME NUT	222 ft-lbs (300 N•m)	
TRACK BAR TO FRAME BOLT	406 ft-lbs (550 N•m)	
AXLE BRAKE HOSE BRACKET	13 ft-lbs (18 N•m)	

ADDITIONAL ASSEMBLIES (DRIVER SIDE) SHOWN:

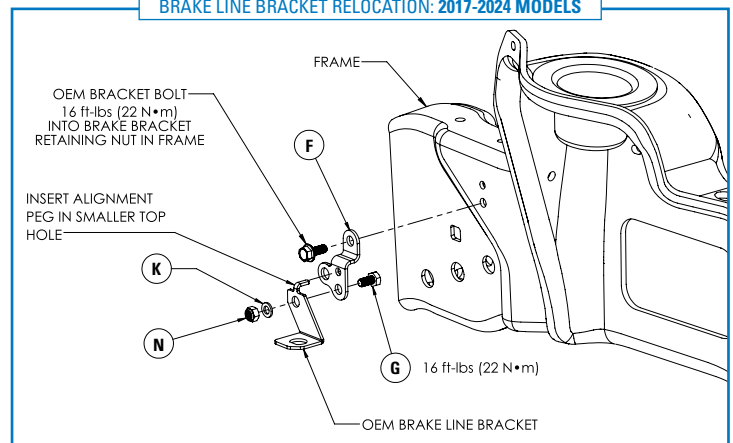
JOUNCE BUMPER EXTENSION



BRAKE LINE BRACKET RELOCATION: 2011-2016 MODELS



BRAKE LINE BRACKET RELOCATION: 2017-2024 MODELS



BEFORE STARTING THE INSTALLATION:

Safety Warning!

Altering the suspension system of your vehicle may cause it to handle differently than it did from the factory. Larger wheel and tire combinations may increase the leverage on the suspension and steering components. This changes the way your vehicles handles and responds to abrupt maneuvers. Operate your vehicle at reduced speeds in all conditions to prevent loss of control. Failure to do so may result in serious injury. It is not recommend to combine the use of suspension lifts, body lifts, or other lifting methods.

Installation Warning!

Use caution when disassembling and reassembling the vehicle. The proceeding instructions are guidelines only, the installer is responsible for ensuring that the vehicle is safe for use after performing the installation. It is recommended to use the factory service manual for the model/year of the vehicle when disassembling and assembling factory related components.

All OEM fasteners are to be discarded after removal and replaced using same or equivalent parts as per Ford motor company workshop manual instructions.

Suspension components that use rubber or urethane bushings should be tightened with the vehicle at normal ride height. This will prevent premature wear or failure of the bushing. Prevent the suspension components from overextension by supporting them with a jack.

PLEASE NOTE: Due to the suspension geometry and vehicle tolerances, the amount of lift is a base figure. **Spacer thickness does not equate to the amount of lift due to the suspension geometry.** For example: a 1" thick spacer may provide a 2" lift. Always measure the vehicle ride height at all 4 corners before and after installation to ensure the results are as expected.

WHEEL ALIGNMENT AND HEADLIGHT ADJUSTMENT

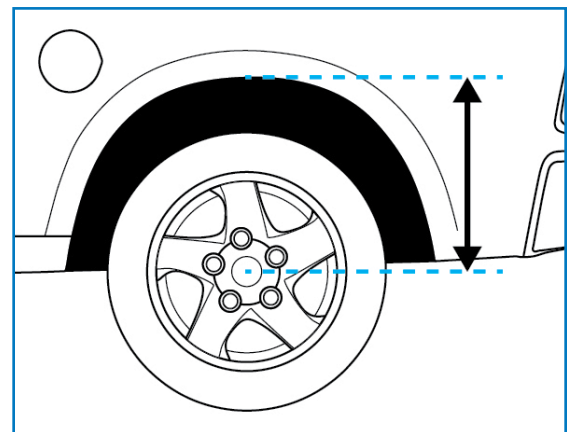
It is necessary to have a proper and professional wheel alignment performed by a certified alignment technician to align the vehicle to factory specifications. After the installation is complete, check to ensure that the vehicle's headlights are aimed properly. If not, a headlight alignment is required.

1 MEASURE STOCK RIDE HEIGHT

Park the vehicle on a level surface.

Using a measuring tape, measure the distance between the center of the wheel hub and the bottom of the fender well (as shown in Figure 1) this will give you your ride height.

Note the ride height for all four corners.



2 REMOVE FRONT WHEELS

Place wheel chocks in front of and behind both rear wheels.

Raise front of the truck high enough to remove both wheels and attain a comfortable working height.

Place two jack stands under the vehicles frame. Lower vehicle until the frame is supported by the jack stands.

Remove front wheels.

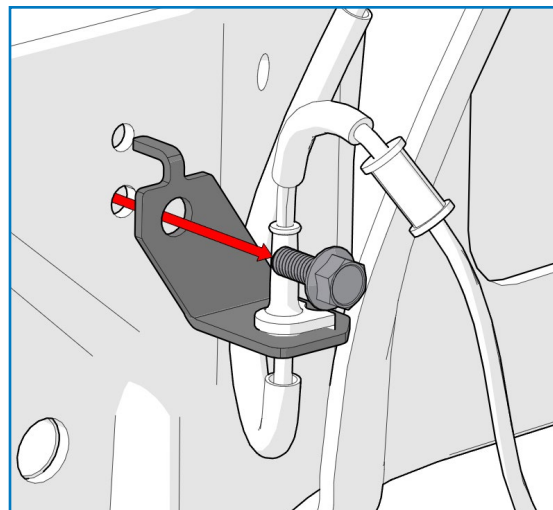
1

3 DISCONNECT BRAKE LINE BRACKETS

Remove the factory OE brake line support bracket from both the driver and passenger side. (See Figure 3 for reference)

Retain bolt for reuse later in the installation.

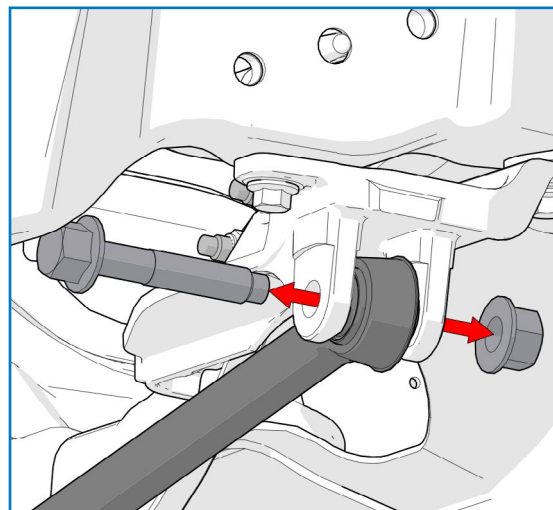
Unclip brake line holders from frame to allow adequate slack in brake lines when lowering axle in later steps.



3

4 DISCONNECT THE TRACK BAR

Disconnect the track bar from the track bar mount that is connected to the frame. (Refer to Figure 3).



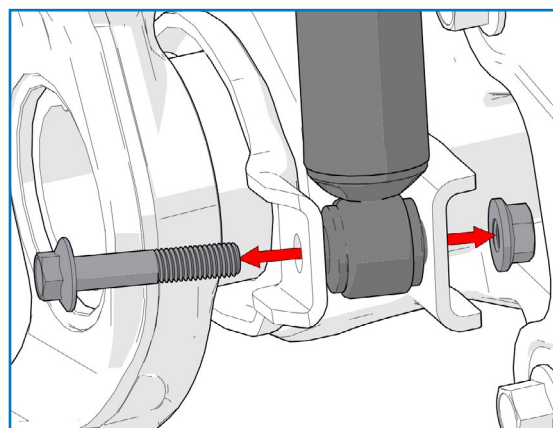
4

5 DISCONNECT THE SHOCKS

Disconnect the lower shock bolts on the driver and passenger side.

- ⓘ *It may be necessary to raise or lower the floor jack under the axle slightly (this relieves the pressure being applied by the shock on the bolt) making the removal of the lower shock bolts easier.*

Retain fasteners for reuse later in the installation.

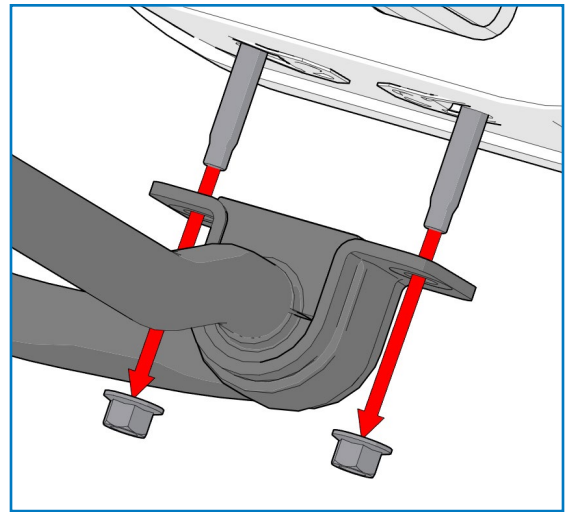


5

6 DISCONNECT THE SWAY BAR

Disconnect the sway bar from the frame on both the driver and passenger side.

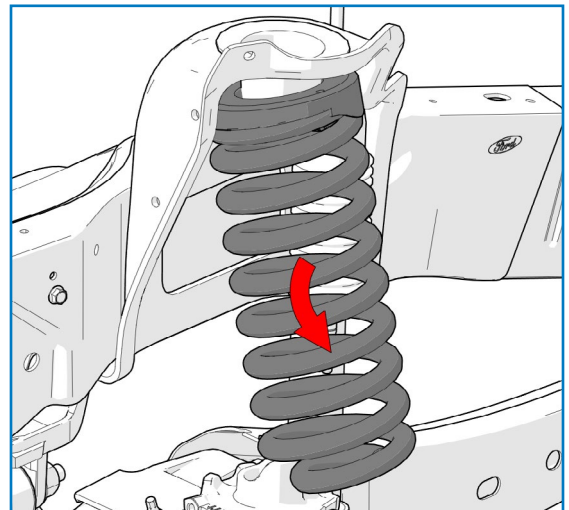
Retain nuts for reuse later in the installation.



6

7 REMOVE THE COIL SPRING

Lower the front axle until there is enough clearance to safely remove the coil spring, and coil pad from the vehicle.

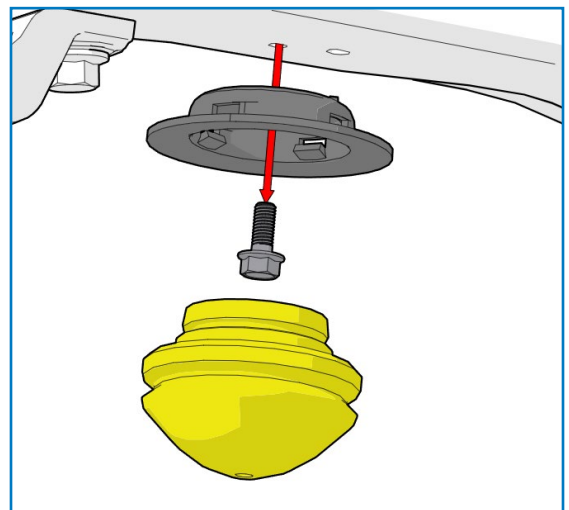


7

8 REMOVE THE BUMP STOP

Remove the bump stop by pulling it out of its metal mounting retainer.

Disconnect the retainer from the frame by removing the center bolt securing it.



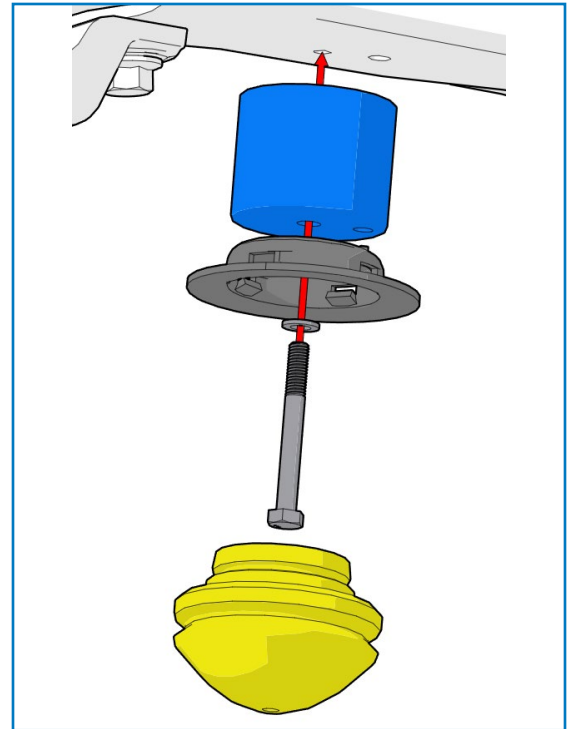
8

9 INSTALL BUMP STOP EXTENSION

Reinstall the bump stop retainer with the bump stop extension using the M8 x 1.25 x 70mm bolt and M8 washer.

Torque the bolt to 22 N•m [16 ft-lbs]

Press the bump stop back into its retainer until it is fully seated.

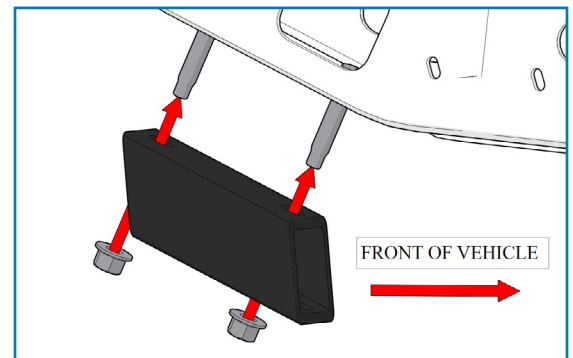


9

10 INSTALL SWAY BAR EXTENSION

Install the sway bar drop brackets to the frame using previously removed OEM nuts

Using the *OEM TORQUE SPECIFICATIONS* chart (on Page 3 of this manual), torque nuts to "STABILIZER BAR BRACKET NUT" torque value as per vehicle model year.



10

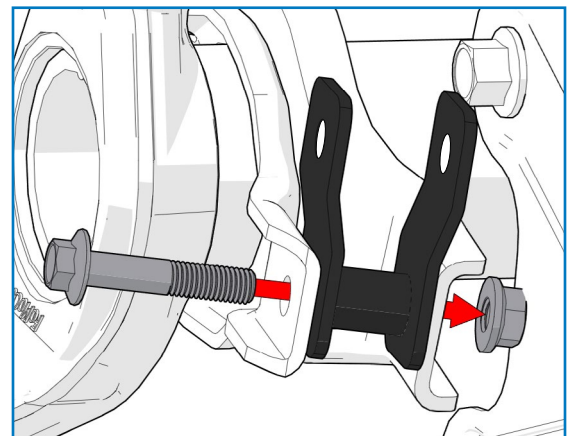
11 INSTALL SHOCK EXTENSION

Install the shock extension using the previously removed lower shock bolts and nuts.

⚠ IMPORTANT: *The offset hole must be located closer to the axle or closer to the radius arm as applicable per vehicle model year:*

- ▶ **2011-2016 MODELS:** *offset hole towards radius arm*
- ▶ **2017-2024 MODELS:** *offset hole towards axle*

Torque hardware to 150 N•m [111 ft-lbs]



11

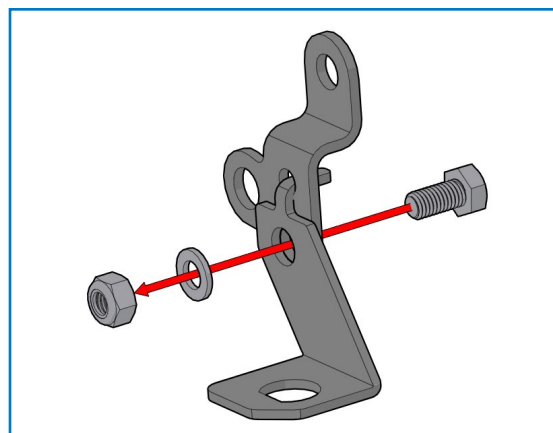
12 INSTALL THE BRAKE LINE DROP BRACKET

Attach the OEM brake line bracket to the brake line drop bracket using the M8 x 1.25 x 16 mm bolt, washer and nylon lock nut. (See Figure 12A for part assembly and configuration)

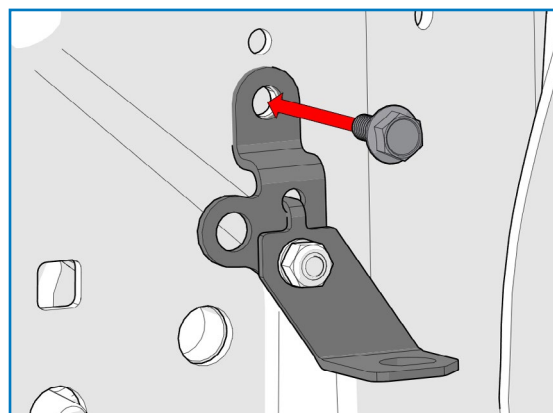
Torque bolt to 22 N•m [16 ft-lbs]

Install the brake line drop bracket in the OEM mounting hole using the previously removed OEM mounting bolt (as shown in Figure 12B).

Torque OEM bolt to 22 N•m [16 ft-lbs]



12A



12B

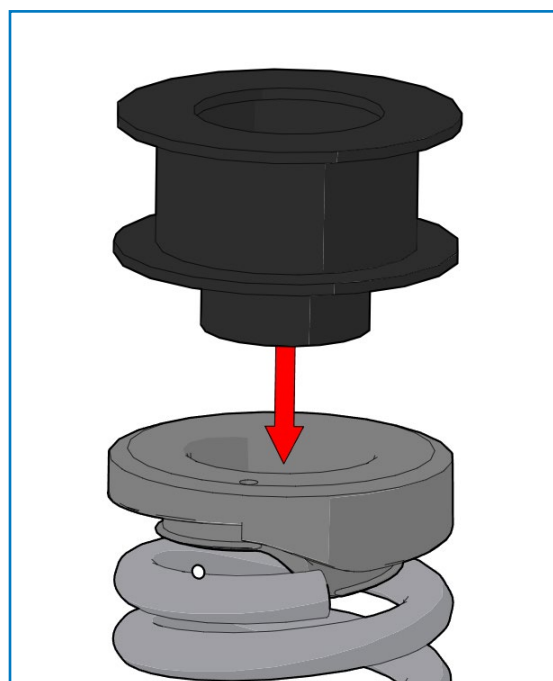
13 INSTALL SPRING SPACER

Place the coil spring spacer into the coil spring and isolator (as shown in Figure 13).

Place the coil spring assembly back into the truck.

Slowly raise the axle until the bottom of the spring and the spring seat on the axle are nearly contacting each other.

Rotate the spring in order to clock the spring into the proper position.

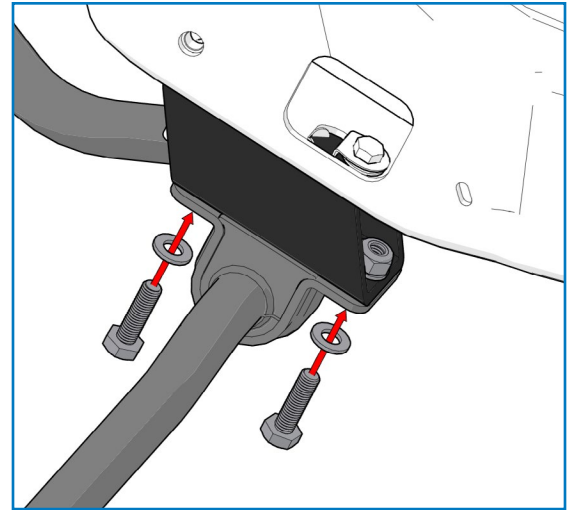


13

14 ATTACH SWAY BAR

Install the sway bar into the sway bar drop bracket using the M10 x 1.5 x 35mm bolts washers and nuts.

Using the *OEM TORQUE SPECIFICATIONS* chart (on Page 3 of this manual), torque nuts to "STABILIZER BAR BRACKET NUT" torque value as per vehicle model year.

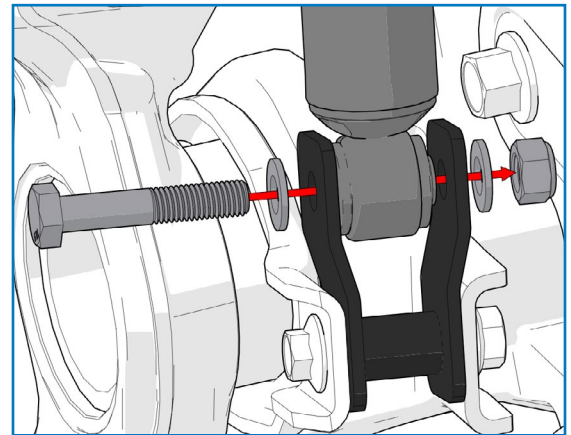


14

15 ATTACH SHOCKS

Attach the shock absorber to the lower shock extension using the M14 x 2 x 75mm bolts, washers and nylon lock nuts.

Torque hardware to 150 N•m [111 ft-lbs]

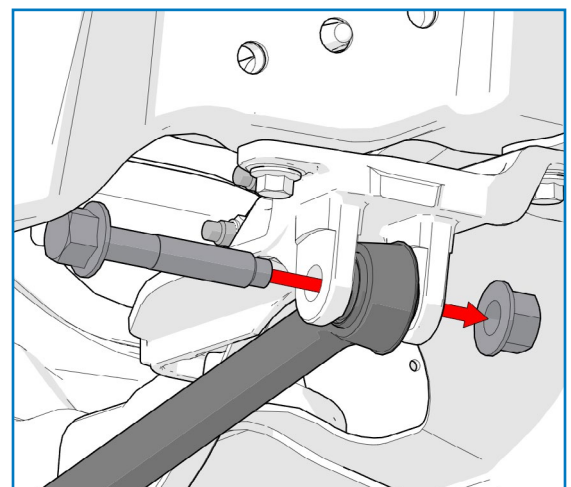


15

16 REINSTALL THE TRACK BAR

Reconnect the track bar to the frame track mount using the OE hardware.

Torque the hardware to the OE manufacturer's specifications found on Page 5 of this manual



16

17 REINSTALL WHEELS

Install the wheels and torque them to factory specification.

Raise the vehicle in order to remove the jack stands from under the frame and then carefully lower the vehicle back to the ground.

Using a measuring tape, measure the distance between the center of the wheel hub and the bottom of the fender well for all four corners.

Note the distance between the wheel hub and the fender well, this is your new ride height. Ensure the results are as expected.

Congratulations!
You have completed the installation

POST INSTALLATION WARNING

After the kit installation is complete and the vehicle is on the ground at its normal ride height, roll the vehicle backward and forward to settle the suspension. Tighten all components containing rubber bushings to the specified torque values. Verify adequate tire, wheel, brake line and ABS wire clearance by turning the front wheels completely to the left and then to the right. Ensure brake/ABS lines are not stretched when the suspension is at full droop. Test and inspect steering, brake and suspension components. Vehicle damage may result if the post installation checks are not performed.

VEHICLE HANDLING WARNING

Larger wheel and tire combinations may increase the leverage on the suspension and steering components. Increasing the height of your vehicle increases the likelihood of rollover or loss of control during abrupt maneuvers, especially at high speeds. Operate your vehicle at reduced speeds in all conditions to prevent loss of control. Failure to do so may result in serious injury.

WHEEL ALIGNMENT & HEADLIGHT ADJUSTMENT

After the kit installation is complete, a professional wheel alignment must be performed by a certified alignment technician to re-align the vehicle to within factory specifications. Additionally, ensure that the vehicles headlights are aimed properly. If not, a headlight alignment is required as well. If not properly aligned it can cause increased tire and suspension component wear.

VEHICLE RE-TORQUE & SAFETY INSPECTION

After the kit installation and adjustments have been completed and within 50 miles of driving, perform a check over of all applicable fasteners and hardware to ensure they are adequately tightened to the specifications given (or as noted in the vehicle's factory service manual).

WARRANTY

To be eligible for warranty, the owner must submit their warranty card or register online within 30 days of the purchase date.

.....