INS-F025 (Rev. B 8/6/25)

Installation Instructions (Page 1)

2015+ Ford Transit Van – 2WD, AWD, Transit Trail
2.5 Front Coilover

King Shocks 12472 Edison Way Garden Grove, CA 92841
714-530-8701 www.kingshocks.com

Front Parts List:
2 – 2.5 Front Coilover Shocks (25001-354A)

Tools Required:
Floor Jack/Jack Stands
Metric Wrench/Socket Set
Standard Wrench/Socket Set

Ford Transit Van
OEM PERFORMANCE SERIES

MADE IN U.S.A. 100% MADE IN THE USA FROM THE HIGHEST QUALITY BILLET ALLOY MATERIALS.



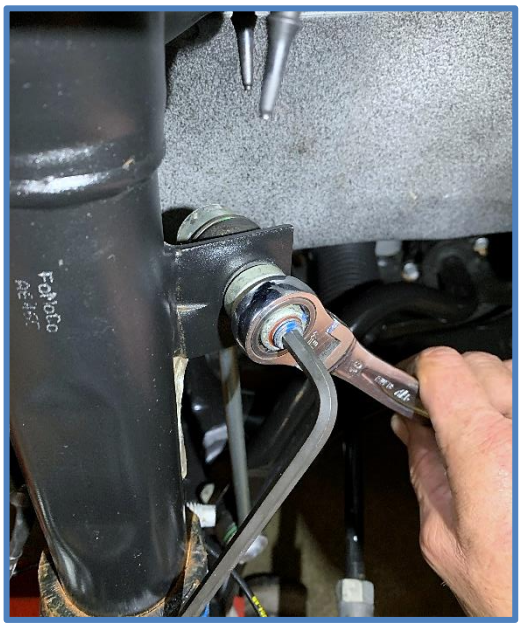
FRONT: With the vehicle on level ground, set the emergency brake and block the rear tires. Using a floor jack, raise the front end and support the frame rails with jack stands for safety. Remove front tires. **NOTE: Never work under an unsupported vehicle.**

Use these instructions as a guide for shock installation along with the factory service manual specific to your vehicle for proper disassembly, assembly, torque specifications and other technical information of the vehicle's components.

WARNING! – WHEEL & TIRE FITMENT! Please be aware of potential fitment issues **BEFORE** installing kit. Wheel spacers or aftermarket wheels may be required. Fits - 245/75R16 on a 16 x 6.5J ET45 wheel with some minor trimming.

1. Begin by removing the sway bar link from the shock. Use an 18mm wrench or socket to remove nut, you may need to hold the stud with a 6mm Hex Key to loosen nut. Remove sway bar link from tab on shock.







IMPORTANT: Read all instructions thoroughly from start to finish before beginning the install. Check parts list and make sure all parts are included in the kit. If the instructions are not properly followed severe frame, driveline and/or suspension damage may result. Check for frame and suspension damage prior to installation.

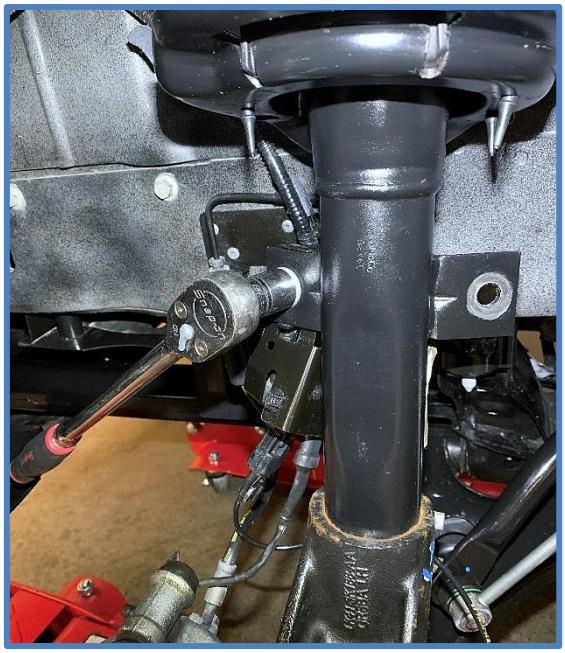
This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701
Most important after the install, Feel the difference and have fun.

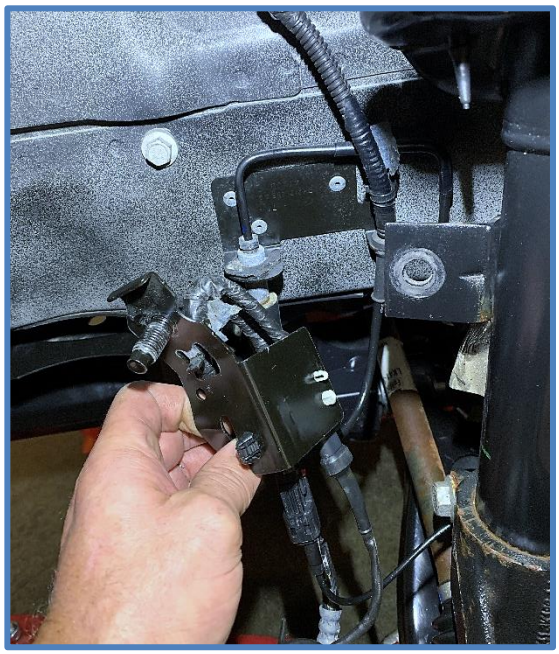
Installation Instructions (Page 2)

2015+ Ford Transit Van – 2WD, AWD, Transit Trail
2.5 Front Coilover

King Shocks 12472 Edison Way Garden Grove, CA 92841
714-530-8701 www.kingshocks.com

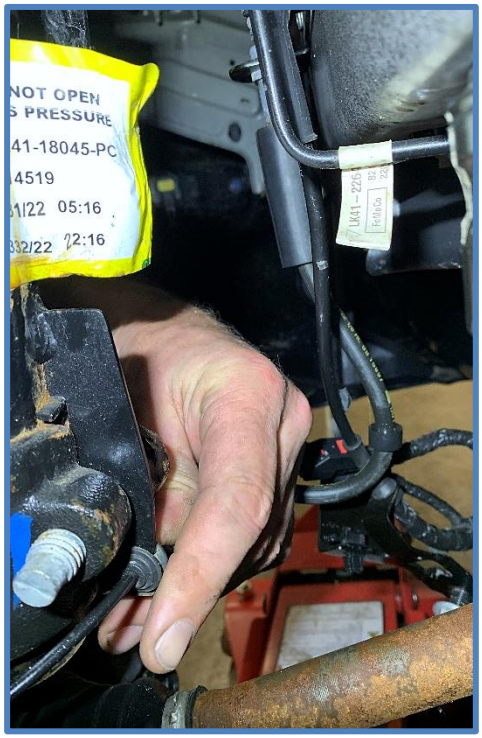
2. Remove the wiring harness from the other tab on shock. Use an 18mm socket to remove nut, then remove bracket with wiring attached.

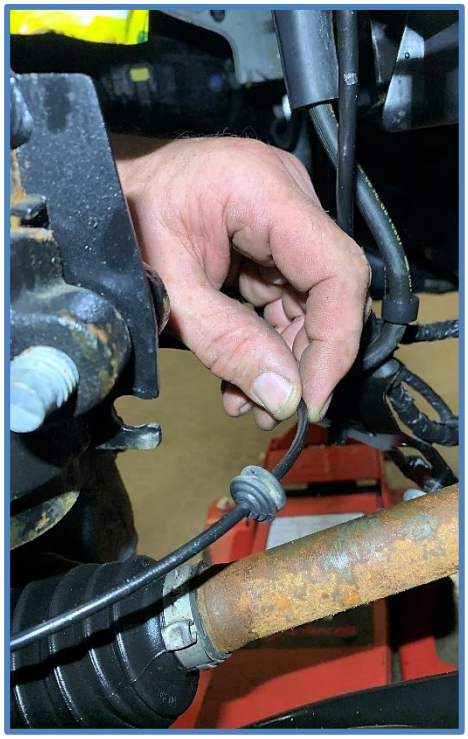




3. Remove the ABS wire (if applicable) from the tab on the bottom of the shock, make sure all wiring is disconnected from the shocks before removing from vehicle.





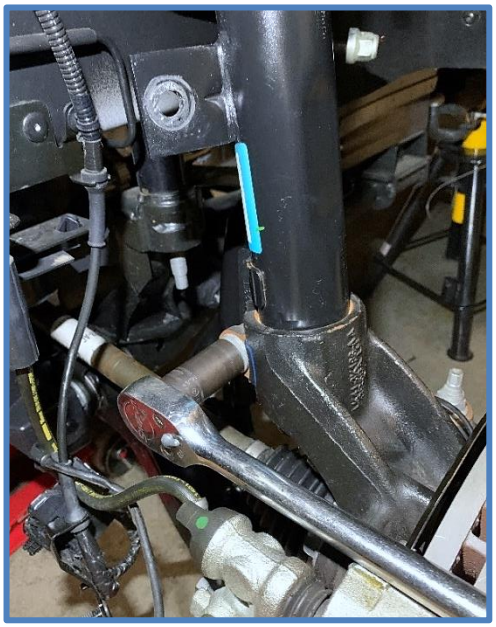
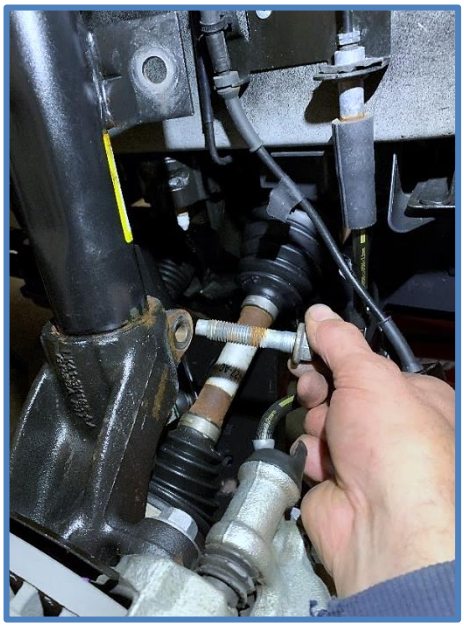


IMPORTANT: Read all instructions thoroughly from start to finish before beginning the install. Check parts list and make sure all parts are included in the kit. If the instructions are not properly followed severe frame, driveline and/or suspension damage may result. Check for frame and suspension damage prior to installation.

This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701
Most important after the install, Feel the difference and have fun.

King Shocks 12472 Edison Way Garden Grove, CA 92841
714-530-8701 www.kingshocks.com

4. Place a jack under the lower control arm to hold everything in place for now, then remove the pinch bolt using an 18mm socket.

5. Lower jack and separate shock from knuckle. You may need to tap on the knuckle with a mallet or hammer to separate the two parts. Tap the knuckle while pushing the lower control arm down until you can remove the shock from the knuckle. Pay attention to brake lines and wiring as you push the knuckle down.

For vehicles that already have a spacer lift installed: You will need to push the lower control arm down further due to the spacer installed on top of shock. Removing the rear bolt from the lower control arm will allow you to push the lower arm down far enough to remove shocks that have lift spacers installed. This will also help when installing the King shock which is longer than stock.

Additional Note: For those who are installing lower control arms or any other aftermarket suspension parts – Use these instructions in conjunction with your other instructions and the factory service manual to determine the best procedure for your installation.





IMPORTANT: Read all instructions thoroughly from start to finish before beginning the install. Check parts list and make sure all parts are included in the kit. If the instructions are not properly followed severe frame, driveline and/or suspension damage may result. Check for frame and suspension damage prior to installation.

This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701
Most important after the install, Feel the difference and have fun.

King Shocks 12472 Edison Way Garden Grove, CA 92841
714-530-8701 www.kingshocks.com

6. Remove nuts from upper mount and remove shocks from vehicle. The upper mounting nuts can be accessed without disassembling the entire dashboard as shown in factory service manuals.
   Left Side (LHD) – Pull the flooring material back under the dashboard and brake pedal. Reach up behind dashboard to access upper mounting nuts. Remove nuts using a 15mm wrench or socket. Support shock or have someone hold it for you as you remove the nuts.









IMPORTANT: Read all instructions thoroughly from start to finish before beginning the install. Check parts list and make sure all parts are included in the kit. If the instructions are not properly followed severe frame, driveline and/or suspension damage may result. Check for frame and suspension damage prior to installation.

This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701
Most important after the install, Feel the difference and have fun.

Installation Instructions (Page 5)

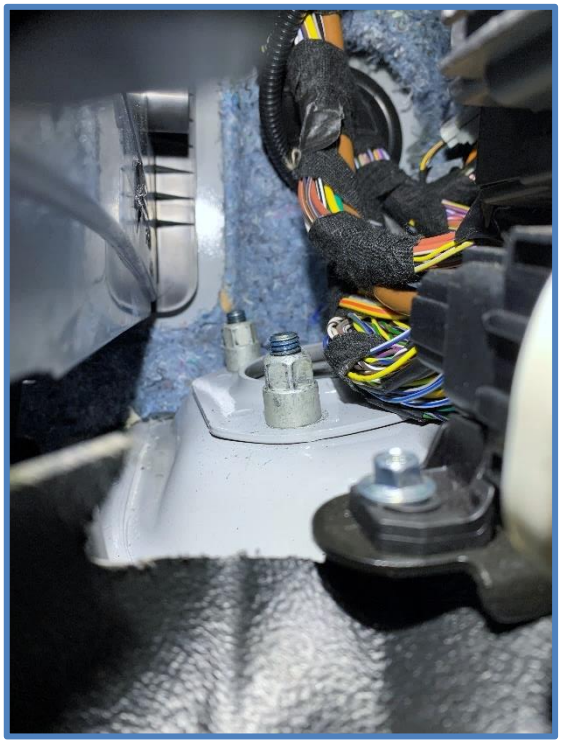
2015+ Ford Transit Van – 2WD, AWD, Transit Trail
2.5 Front Coilover

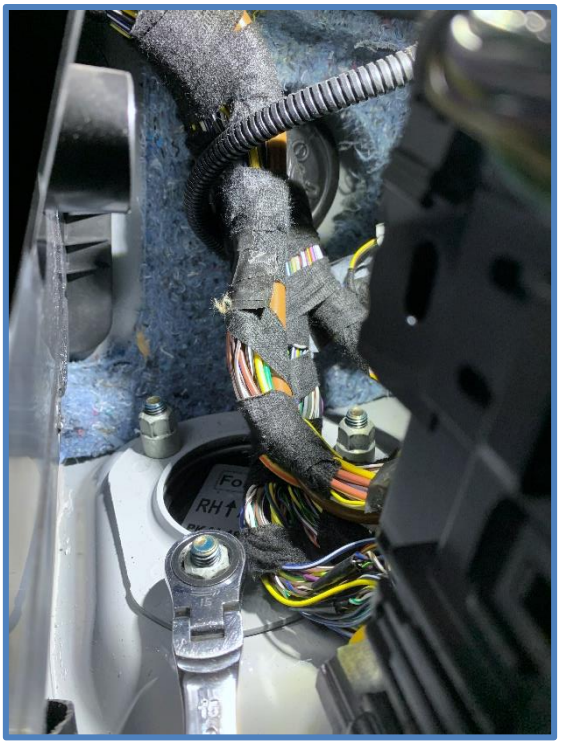
King Shocks 12472 Edison Way Garden Grove, CA 92841
714-530-8701 www.kingshocks.com

Right Side (LHD) – Open the glove box all the way and pull back the material covering the upper mount. Remove nuts using a 15mm wrench or socket. Support shock or have someone hold it for you as you remove the nuts.









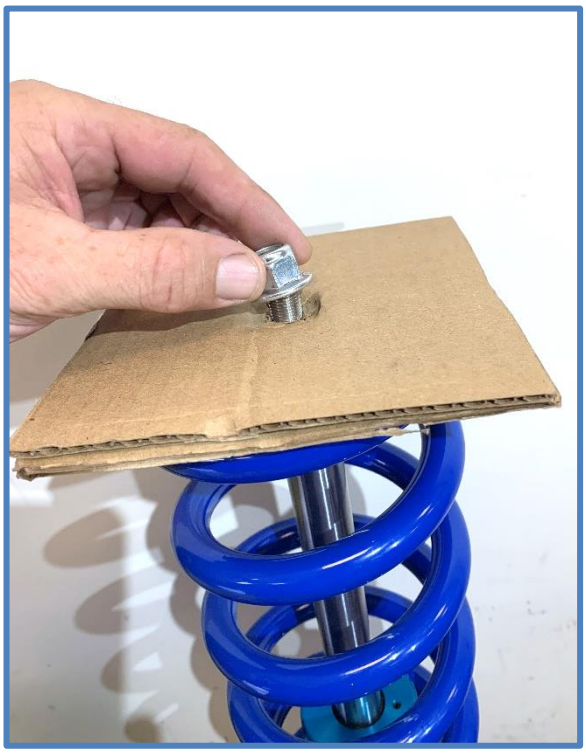
IMPORTANT: Read all instructions thoroughly from start to finish before beginning the install. Check parts list and make sure all parts are included in the kit. If the instructions are not properly followed severe frame, driveline and/or suspension damage may result. Check for frame and suspension damage prior to installation.

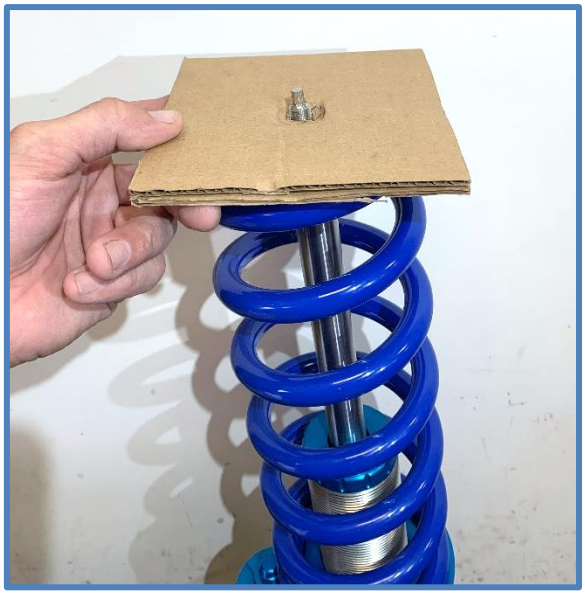
This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701
Most important after the install, Feel the difference and have fun.

King Shocks 12472 Edison Way Garden Grove, CA 92841
714-530-8701 www.kingshocks.com

7. **Prepare shocks for installation** – Install King Shocks Coilover Kit reusing the factory upper mount from the factory shocks. Inspect your upper mounts and replace them if necessary. When replacing upper mounts, we recommend using only Ford genuine OEM parts. You will need a spring compressor if you are removing the factory upper mount from your factory shocks or take to a local auto shop with the proper equipment. Do not attempt to remove upper mount if you are not familiar with the procedure and/or do not have the proper equipment! Remove nut and cardboard packing pad, save the nut to use for installing upper mount. Also save the factory nuts from the mounting plates, you will need to reuse those for installing the shock.









IMPORTANT: Read all instructions thoroughly from start to finish before beginning the install. Check parts list and make sure all parts are included in the kit. If the instructions are not properly followed severe frame, driveline and/or suspension damage may result. Check for frame and suspension damage prior to installation.

This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701
Most important after the install, Feel the difference and have fun.

Installation Instructions (Page 7)

2015+ Ford Transit Van – 2WD, AWD, Transit Trail
2.5 Front Coilover

King Shocks 12472 Edison Way Garden Grove, CA 92841
714-530-8701 www.kingshocks.com

8. **Install upper mount** – Loosen pinch bolt and spin coil nut all the way down to the bottom of the threads, then place the upper mount on top of spring and thread the provided nut onto the shaft. Tighten nut using an 18mm passthrough socket and a 1/4" socket to hold the pin.









IMPORTANT: Read all instructions thoroughly from start to finish before beginning the install. Check parts list and make sure all parts are included in the kit. If the instructions are not properly followed severe frame, driveline and/or suspension damage may result. Check for frame and suspension damage prior to installation.

This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701
Most important after the install, Feel the difference and have fun.

Installation Instructions (Page 8)

2015+ Ford Transit Van – 2WD, AWD, Transit Trail
2.5 Front Coilover

King Shocks 12472 Edison Way Garden Grove, CA 92841
714-530-8701 www.kingshocks.com

9. **Adjust preload** – This kit is intended to lift the front of the vehicle 2” using a 300lb spring with 2” of preload.
Ride height can be adjusted by adding or removing preload within a certain range.
2” of preload is the optimal setting, 1.5”- 2.5” of preload is an acceptable range of adjustment.
If you must add or remove more than a .5" of preload to achieve desired ride height, then you may want to consider using a different spring for optimal ride quality.
   - For stock ride height to 1” of lift and for lighter vans, a 250lb spring is recommended.
   - For taller ride heights over 2” of lift or for extra heavy vans, a 350lb – 400lb spring may work better.

   Whatever your desired ride height is, try to achieve it by using a spring that holds desired ride height with as close to 2” of preload as possible for the best ride quality.

   Preload can be set prior to installation or on the vehicle after installation. Either way the shock should be at full extension when adjusting preload. Make sure the pinch bolt is loose before trying to turn coil nut. Measure the spring after the upper mount is installed, adjust coil nut using the provided coil nut tool. Make sure to tighten the pinch bolt when you are done making adjustments.









IMPORTANT: Read all instructions thoroughly from start to finish before beginning the install. Check parts list and make sure all parts are included in the kit. If the instructions are not properly followed severe frame, driveline and/or suspension damage may result. Check for frame and suspension damage prior to installation.

This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701
Most important after the install, Feel the difference and have fun.

King Shocks 12472 Edison Way Garden Grove, CA 92841
714-530-8701 www.kingshocks.com

10. **Install King Shocks** – Be aware the shocks are side specific; reservoir should be towards the front of the vehicle and sway bar tab towards the rear. You will need two people to get started. Have one person place the shock up into the upper mount (making sure the upper mounting plate and shock are oriented correctly) while the other person installs the nuts on the upper mount from inside the vehicle. Reuse the factory nuts from your factory mounting plates to install shocks. Torque nuts to factory specs. **Photos show the left side.**









IMPORTANT: Read all instructions thoroughly from start to finish before beginning the install. Check parts list and make sure all parts are included in the kit. If the instructions are not properly followed severe frame, driveline and/or suspension damage may result. Check for frame and suspension damage prior to installation.

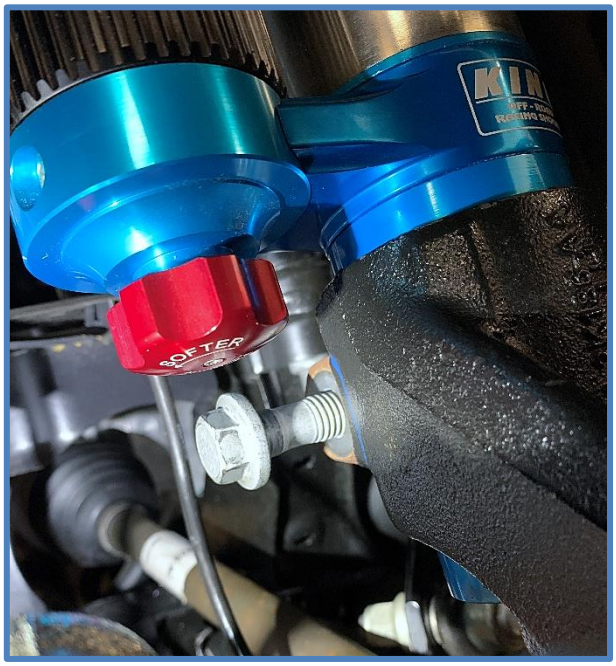
This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701
Most important after the install, Feel the difference and have fun.

King Shocks 12472 Edison Way Garden Grove, CA 92841
714-530-8701 www.kingshocks.com

11. Now that the shocks are in position and secured by the upper mount, line up the bottom of the shock with the knuckle. Make sure the tab on the back side of the shock is going into the slot of the knuckle. Jack the knuckle/lower control arm up while positioning the shock until the shock is fully seated in the knuckle. Install the pinch bolt and torque to factory specs.









IMPORTANT: Read all instructions thoroughly from start to finish before beginning the install. Check parts list and make sure all parts are included in the kit. If the instructions are not properly followed severe frame, driveline and/or suspension damage may result. Check for frame and suspension damage prior to installation.

This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701
Most important after the install, Feel the difference and have fun.

King Shocks 12472 Edison Way Garden Grove, CA 92841
714-530-8701 www.kingshocks.com

12. Attach sway bar link to the tab on the side of shock. Use the factory nut and tighten with an 18mm wrench or socket, you may need a 6mm Hex Key to hold stud while tightening nut. Torque nut to factory specs.









IMPORTANT: Read all instructions thoroughly from start to finish before beginning the install. Check parts list and make sure all parts are included in the kit. If the instructions are not properly followed severe frame, driveline and/or suspension damage may result. Check for frame and suspension damage prior to installation.

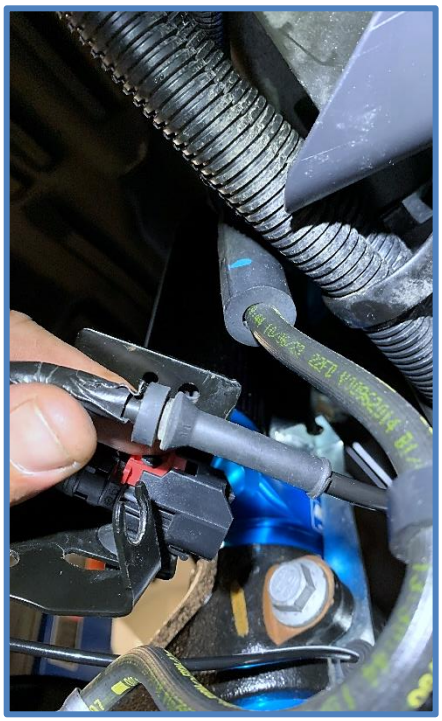
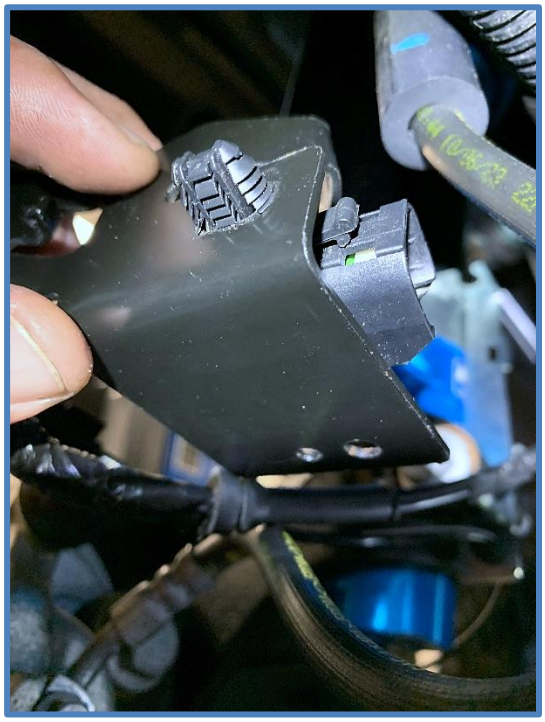
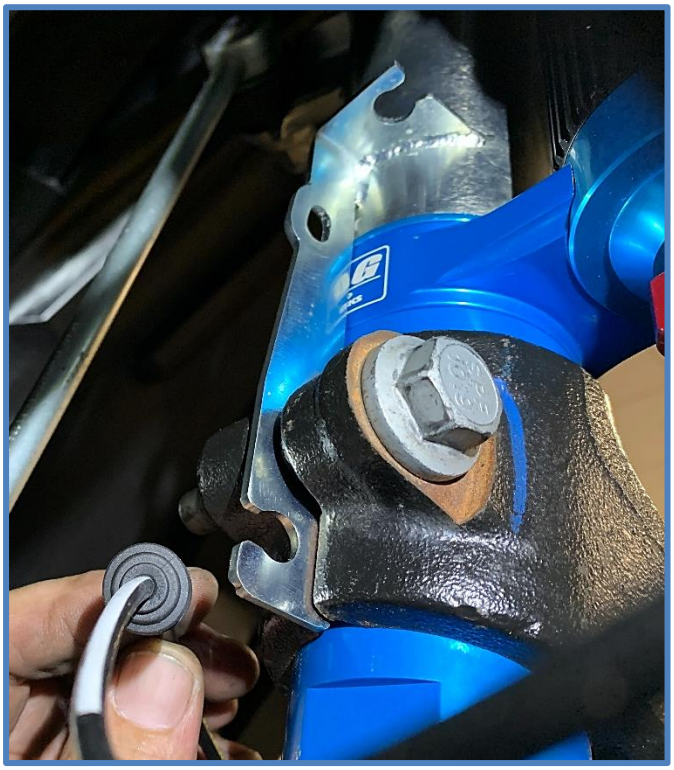
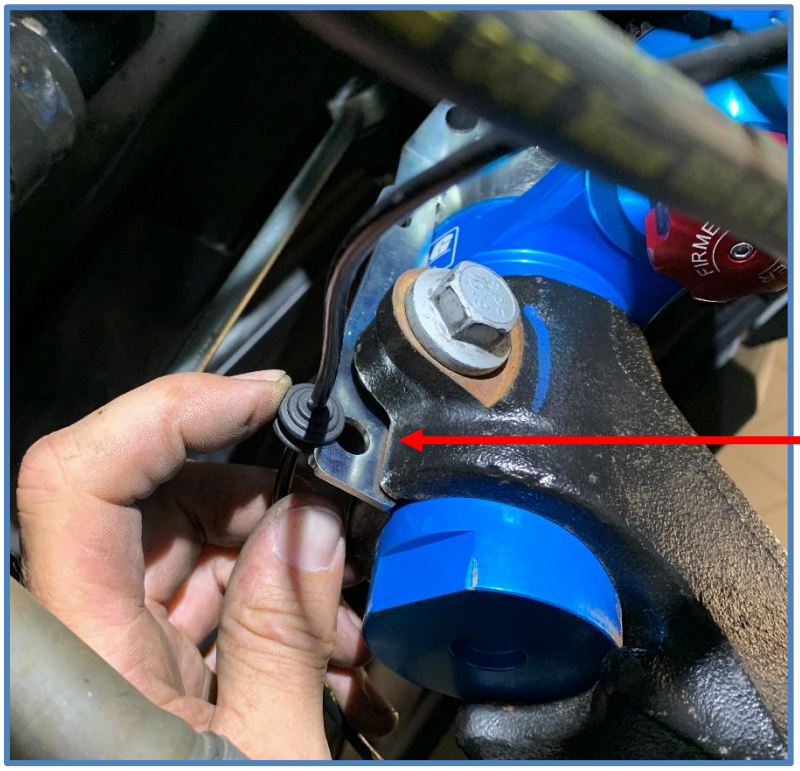
This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701
Most important after the install, Feel the difference and have fun.

Installation Instructions (Page 12)

2015+ Ford Transit Van – 2WD, AWD, Transit Trail
2.5 Front Coilover

King Shocks 12472 Edison Way Garden Grove, CA 92841
714-530-8701 www.kingshocks.com

13. **Attach ABS wiring** – First remove the wiring from the factory bracket, then reroute and attach to the tab on the back side of shock as shown below. Wire routing and number of wires varies depending on year and model. Route the ABS wire just like the factory setup and clip into bottom of tab on the back of side shock.

IMPORTANT: Read all instructions thoroughly from start to finish before beginning the install. Check parts list and make sure all parts are included in the kit. If the instructions are not properly followed severe frame, driveline and/or suspension damage may result. Check for frame and suspension damage prior to installation.

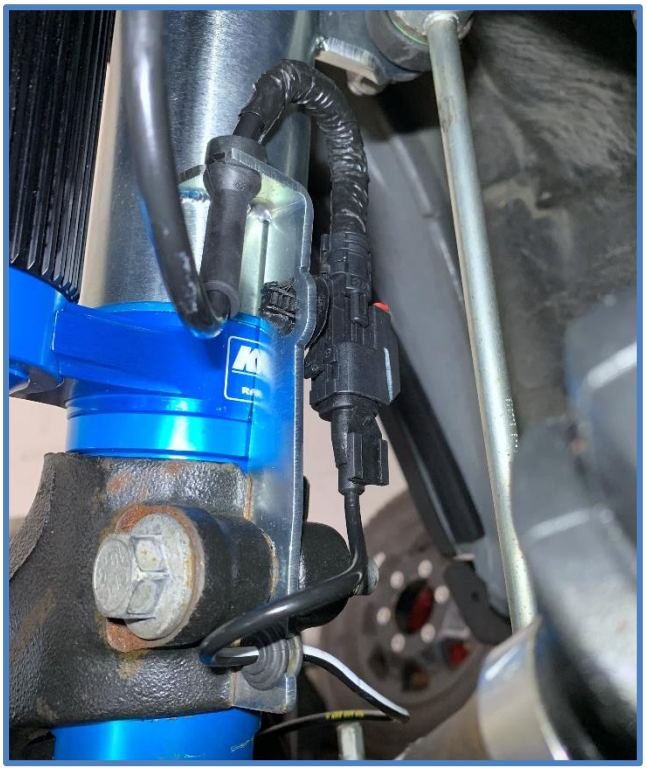
This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701
Most important after the install, Feel the difference and have fun.

King Shocks 12472 Edison Way Garden Grove, CA 92841
714-530-8701 www.kingshocks.com

Clip connector into the slotted hole in tab, then clip the other grommet into the slot at the top of tab. Single ABS wire routing should look similar to photos below. Some models may vary, use zip ties if necessary to make sure wiring is secure and out of the way.









IMPORTANT: Read all instructions thoroughly from start to finish before beginning the install. Check parts list and make sure all parts are included in the kit. If the instructions are not properly followed severe frame, driveline and/or suspension damage may result. Check for frame and suspension damage prior to installation.

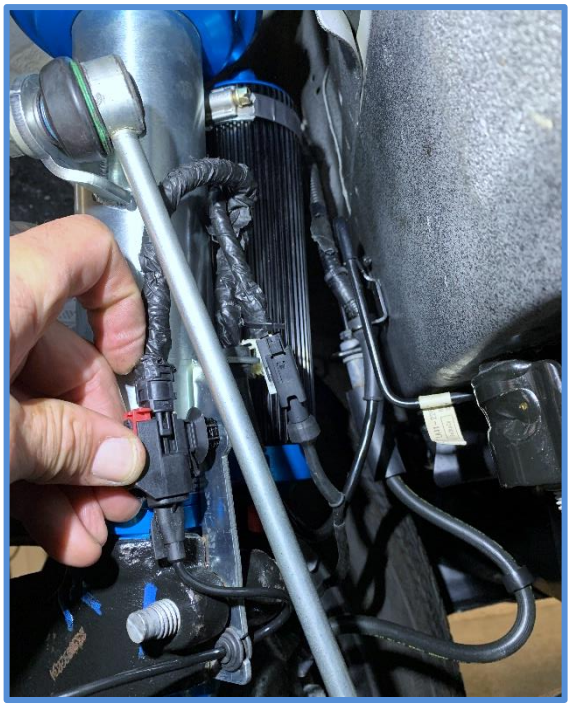
This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701
Most important after the install, Feel the difference and have fun.

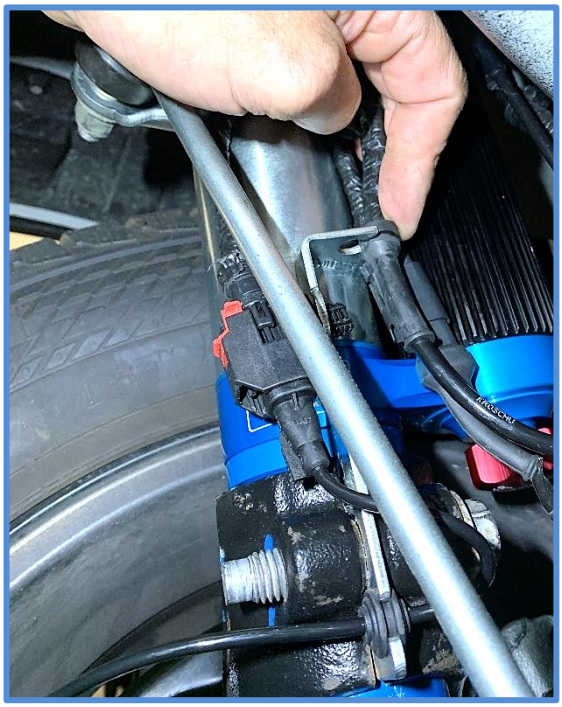
Installation Instructions

2015+ Ford Transit Van – 2WD, AWD, Transit Trail
2.5 Front Coilover

King Shocks 12472 Edison Way Garden Grove, CA 92841
714-530-8701 www.kingshocks.com

Some vehicles have multiple sensor wires, zip tie connectors together and attach to the tab on back of shock as shown below. Wiring will vary on different models, use these instructions as an example. Your finished install may look different. Use zip ties to clean up wiring and secure to tab on back of shock if necessary.











IMPORTANT: Read all instructions thoroughly from start to finish before beginning the install. Check parts list and make sure all parts are included in the kit. If the instructions are not properly followed severe frame, driveline and/or suspension damage may result. Check for frame and suspension damage prior to installation.

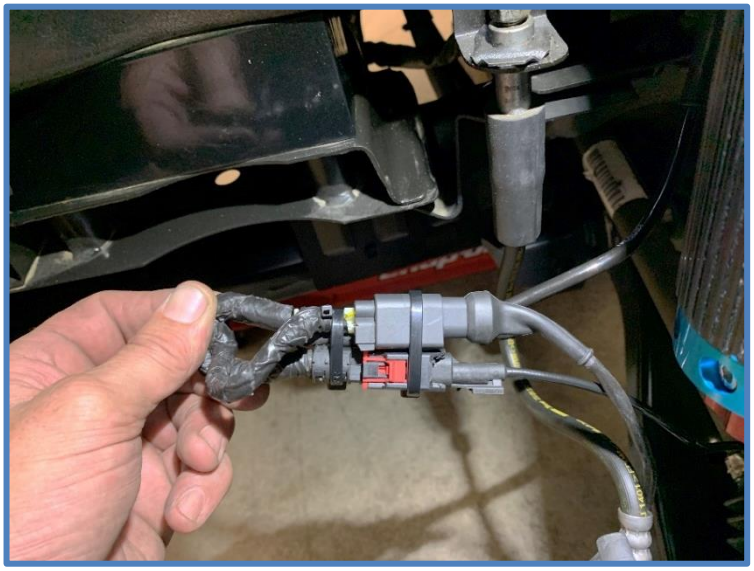
This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701
Most important after the install, Feel the difference and have fun.

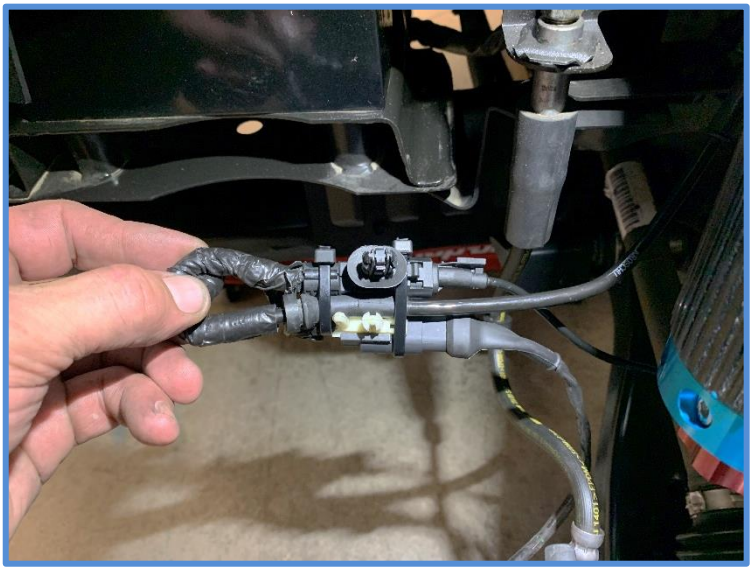
Installation Instructions (Page 15)

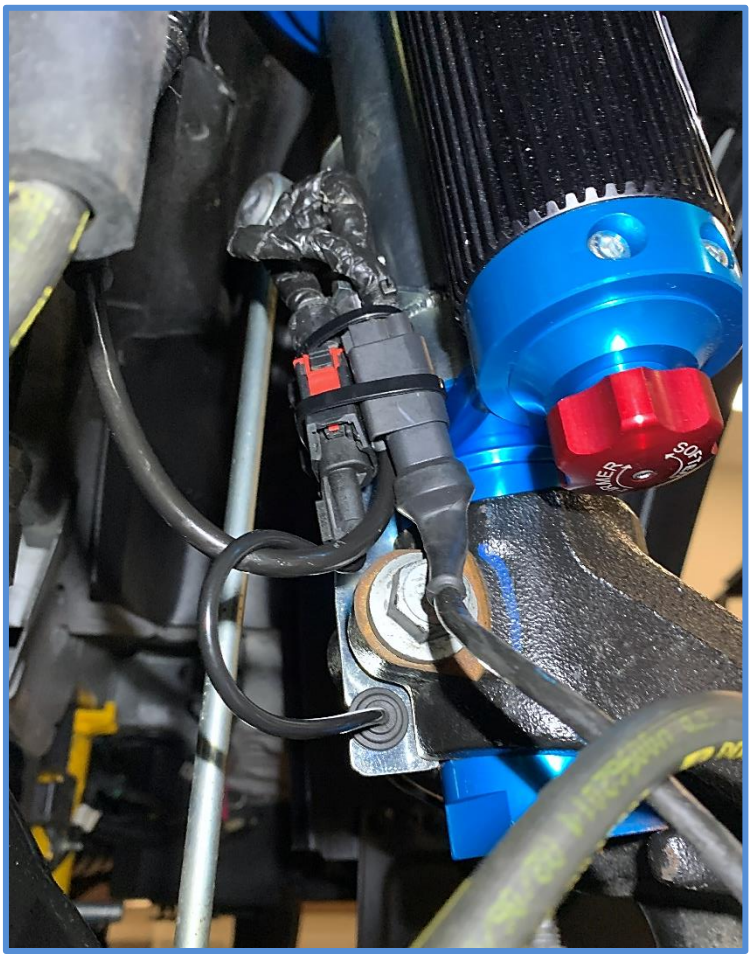
2015+ Ford Transit Van – 2WD, AWD, Transit Trail
2.5 Front Coilover

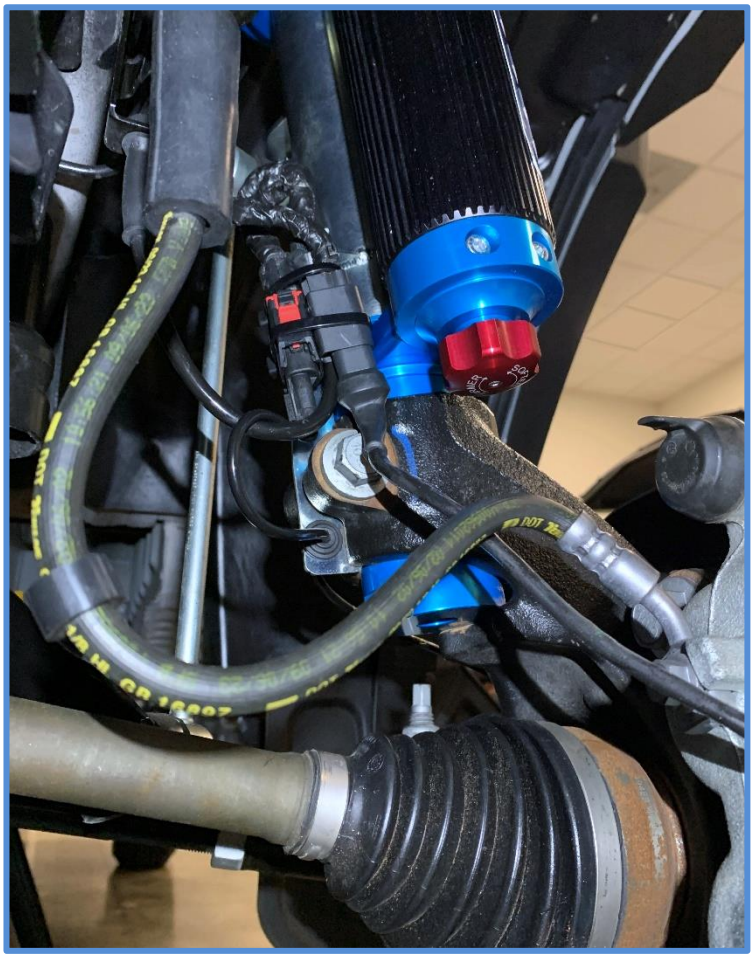
King Shocks 12472 Edison Way Garden Grove, CA 92841
714-530-8701 www.kingshocks.com

Wiring Examples…









IMPORTANT: Read all instructions thoroughly from start to finish before beginning the install. Check parts list and make sure all parts are included in the kit. If the instructions are not properly followed severe frame, driveline and/or suspension damage may result. Check for frame and suspension damage prior to installation.

This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701
Most important after the install, Feel the difference and have fun.

Installation Instructions

2015+ Ford Transit Van – 2WD, AWD, Transit Trail
2.5 Front Coilover

King Shocks 12472 Edison Way Garden Grove, CA 92841
714-530-8701 www.kingshocks.com









IMPORTANT: Read all instructions thoroughly from start to finish before beginning the install. Check parts list and make sure all parts are included in the kit. If the instructions are not properly followed severe frame, driveline and/or suspension damage may result. Check for frame and suspension damage prior to installation.

This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701
Most important after the install, Feel the difference and have fun.

Installation Instructions

2015+ Ford Transit Van – 2WD, AWD, Transit Trail
2.5 Front Coilover

King Shocks 12472 Edison Way Garden Grove, CA 92841
714-530-8701 www.kingshocks.com





DOUBLE CHECK ALL HARDWARE:

Make sure everything is installed correctly, and all hardware is tight. Recheck all hardware and lug nuts after 100 miles and periodically after that as part of routine maintenance.

IMPORTANT: Read all instructions thoroughly from start to finish before beginning the install. Check parts list and make sure all parts are included in the kit. If the instructions are not properly followed severe frame, driveline and/or suspension damage may result. Check for frame and suspension damage prior to installation.

This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701
Most important after the install, Feel the difference and have fun.