



LIMITED LIFETIME WARRANTY

FIRST AND FOREMOST, THANK YOU FOR CHOOSING SUSPENSION TECHNOLOGIES USA'S PRODUCTS.

All Suspension Technologies USA products are guaranteed to the original purchaser during the warranty coverage period to be free of any manufacturing defects in materials or workmanship.

If a warranty service is required, Suspension Technologies USA will repair or replace any product covered under this warranty. If a product or part is unavailable, Suspension Technologies USA may substitute a replacement product or part depending on availability and current specifications. All warranty claims must have prior authorization from Suspension Technologies USA to be covered under this warranty. The owner must send the product(s) to Suspension Technologies USA or an Authorized Service Center, which would be the dealer from which the product was purchased, or the dealer who installed the product.

- (1) Suspension Technologies USA shall have no warranty obligation if any person or organization other than Suspension Technologies USA or authorized service center alters a Suspension Technologies USA product.
- (2) Suspension Technologies USA shall have no warranty obligation if a Suspension Technologies USA product becomes defective because of improper installation, improper maintenance, improper use, improper operation, or any other forms of mistreatment or neglect of the product.
- (3) Suspension Technologies USA shall have no warranty obligation if a Suspension Technologies USA product is used in off-road or competition activities.
- (4) Suspension Technologies USA shall have no liability obligation for any incidental or consequential damages resulting from the failure of a Suspension Technologies USA product, delay in delivery of the product in non-conforming condition, failure to deliver, or any other breach of warranty contract of duty between a customer and Suspension Technologies USA.
- (5) Suspension Technologies USA is not liable for any transportation costs, e.g., towing, inconvenience, loss of use, lodging, labor cost return shipping related to the repair or replacement of any product covered under this warranty.
- (6) Due to the differing conditions and circumstances under which all suspension products and equipment are installed and used, the customer is not relying on Suspension Technologies USA's skills or judgement to select or furnish the proper product or equipment. The customer expressly affirms that they are relying on their own skill or judgment to select and purchase suitable goods. Suspension Technologies USA shall have no warranty obligation of specific merchantability or fitness to the customer of any Suspension Technologies USA product.

Contact Information:

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Largo, Florida 33773
727-233-3610 General Office



A qualified technician or someone who is equally knowledgeable in installations of this nature should complete the installation of the Suspension Technologies Fork Cartridge Kit.

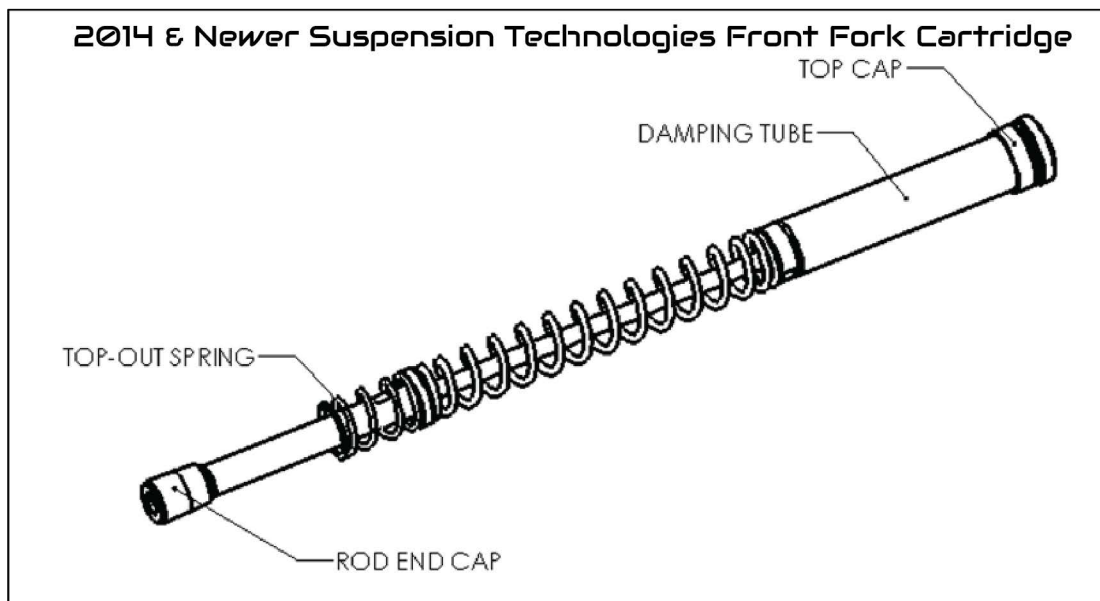
The Suspension Technologies Fork Cartridge Kits are available in standard and 1" lower for Harley-Davidson® Touring Models 2014 and Newer.

NOTE:

When installing Suspension Technologies Front Fork Cartridge, only a small amount of fork oil is required in each fork for lubricating all the internal moving parts, e.g. tube bushing and lip seal. The cartridge dampers are sealed. **DO NOT** add, remove or change the oil inside the damper tubes.

Installation

Read all the instructions carefully before installing this kit on your motorcycle. Use your factory-authorized manual as a reference while installing this kit. Support and lift the motorcycle securely so the front wheel is off the ground. The balance point is toward the front of the engine. The illustration below references the main components in your cartridge kit.





Stock Suspension Removal

- 1) Remove forks according to instructions contained in your factory authorized shop manual.
- 2) Once removed, secure in soft clamps or fork vice to prevent scratches on the stanchions and remove the lower Allen bolt using an impact wrench (Figure 1).
- 3) Drain the oil, pumping the fork multiple times to help remove any remaining oil.
- 4) Remove the top fork cap. **WARNING: The top cap is under spring pressure, remove slowly applying a downward force making sure to keep your face clear to avoid spring jump.**
- 5) Invert the fork to dump the stock internals out. For most models it is necessary to remove the upper tube to provide clearance for the cartridge end cap. First remove the snap ring and use the stanchion as a slide hammer to remove the upper tube (figure 2). **Replacing the upper tube seal and bushing at this time is strongly recommended.**
- 6) Scrub the inside of the tubes thoroughly using a long brush and suspension cleaner that does not leave an oily residue.



Figure 1



Figure 2

Installing the Suspension Technologies Fork Cartridge

- 1) Drop the rod end cap into the lower tube and make sure it is centered (Figure 3). Use a flashlight if necessary.
- 2) Re-install the upper tube you separated previously.
- 3) While holding the Suspension Technologies cartridge with top-out spring (Figure 5), lower cartridge in the upper tube making sure the top-out spring and end cap are properly aligned in the bottom of the tube. Allow the top-out spring to fall into the tube.



Figure 3

An Alternate method to steps 1-3 would be to place the upper tube on a stable surface or clamped horizontally then insert the cartridge with the top out spring. Once installed in the upper tube slide the end cap over the protruding rod end and insert into the lower tube (Figure 4)



- 4) Replace the copper washers previously removed with the lower bolts.
 - Pt: 46615-06 (2014 and Newer)
- 5) All of our front fork cartridge kits have sealed damping tubes therefore only a small amount of oil is required to lubricate the stock seals and bearings. Pour the supplied oil in the top of each tube (Figure 6), pumping the stanchions up and down a few times to let the oil drain down into the lower leg.
 - 8oz (2014 & Newer)
- 6) Slide the stanchions up and screw the upper fork cap into the upper tube using your hands to start the threads then torque to 22-59 (ft/lbs) . **WARNING: DO NOT USE AN IMPACT TO TIGHTEN THE FORK CAP.**
- 7) Once fork cartridge assemblies are complete re-install them on your bike following the manufacturer torque specs.

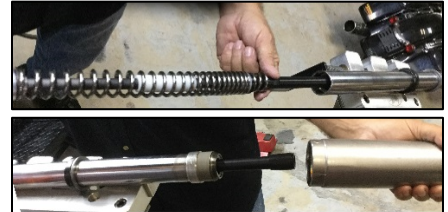


Figure 4



Figure 5

Warning

When installing the 1" lower Suspension Technologies Fork Cartridge kit, some bikes may have inadequate clearance between the fairings, fender and other accessories. To avoid any damage we recommend after installing the cartridges, re-install accessories, wheel and any other item that may have been removed during installation. Once complete lower the front end until it reaches full travel and turn the wheel left to right making sure there is proper clearance and correct any clearance issues.



Figure 6

Visit www.SuspensionTechnologies.com/pages/installation for installation video