

# FXA-2020 49mm HD Front Shock Installation

- ◆ Due to the sensitivity of front-end suspension components, AirFX **strongly** recommends having a qualified mechanic perform the following installation.
- ◆ Your bike must be equipped with the AIRFX “Instant-UP” package or have stored compressed air to feed the front suspension.

1. Lift front of motorcycle and secure.
2. Remove front axle and wheel assembly making sure to remove brake calipers so there is no damage to front wheel.
3. Remove socket head bolt (at axle) from the bottom of the lower leg. **NOTE:** Oil will drain from tube at this point.
4. Loosen the top bolt of the fork tube while in the triple tree.
5. Loosen the triple tree clamp bolts and remove shock.
6. Remove the top bolt and lower leg, being careful not to damage seals. **WARNING:** This is under spring pressure.
7. Apply a liberal amount of provided (green) grease to inner bushings/bearings and the tube seal. (This will provide lubrication in the absence of fork oil)
8. Assemble the lower leg onto the tube, being careful not to damage the seals.
9. Apply a little grease to the threaded portion of the top cap of the AirFX cartridge assembly and install into top of the fork tube.
10. Apply a little grease to threads and install bottom socket head bolt with stock crush washer and tighten with impact gun.
11. Repeat for the other fork tube and lower leg.

**You are now ready to run airlines and wire your system**

1. Reference Air Controls Front and Rear Instructions for air and electrical connections.

**You are now ready to test your newly installed AIRFX, Air Suspension System.**

1. Make sure bike goes up and down using the push buttons (or toggle).
2. Lift the bike through the entire travel of the suspension, while checking for interferences.

**THE BIKE SHOULD ROLL FREELY AT BOTH THE HIGHEST AND LOWEST SETTINGS**

3. Listen for leaks. The system should trap the air in the cylinder, it should not drift down.
4. If it does drift, spray soapy water on the tubing connections, look for bubbles. Cut tube and re-install as required.

**MODIFY THE KICKSTAND AS REQUIRED SO THAT THE BIKE REMAINS UPRIGHT WHEN ALL OF THE AIR IS OUT OF THE SYSTEM**

**PATENT 8,316,978  
PATENT 8,636,097  
PATENT PENDING 14/165,476**

**\*\*\*\*\* WARNING \*\*\*\*\***

**THIS SYSTEM MAY USE THE FULL TRAVEL OF THE SUSPENSION. THE INSTALLER IS RESPONSIBLE FOR THE PROPER INSTALLATION. LOSS OF AIR PRESSURE WILL RESULT IN THE SUSPENSION MOVING TO IT'S LOWEST POSITION. THE INSTALLER IS RESPONSIBLE TO VERIFY THE SAFETY OF THE APPLICATION. IMPROPER INSTALLATION COULD RESULT IN DAMAGE TO THE MOTORCYCLE AND COULD CAUSE SERIOUS INJURY OR DEATH.**





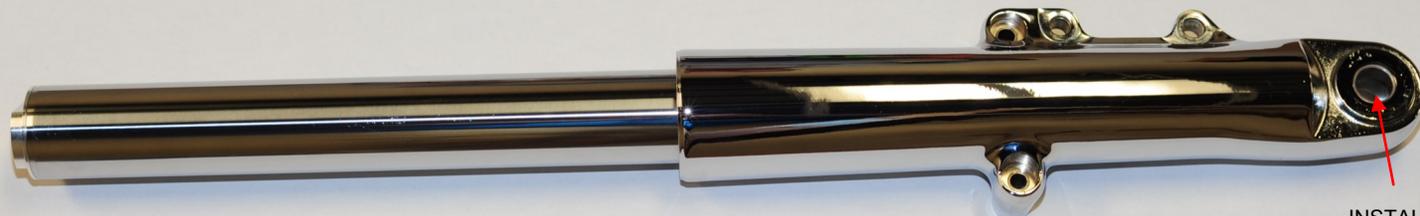
**AIRFX 49MM CARTRIDGE ASSEMBLY**



**CARTRIDGE AND TUBE ASSEMBLED**



**INSTALL LOWER LEG BEARING AND SEAL.  
LIBERALLY GREASE BOTH BEARING SURFACES  
AND THE SEAL.  
THE GREASE WILL PROVIDE LUBRICATION SINCE  
OIL WILL NOT BE ADDED TO THE SHOCK.**



**INSTALL CARTRIDGE/TUBE ASSEMBLY INTO LOWER LEG**

**INSTALL  
BOLT**