

FXA-1003 Air Suspension Installation Instructions

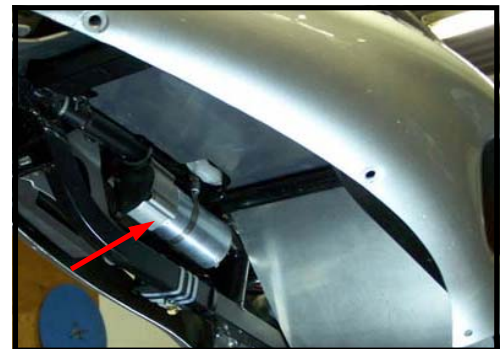
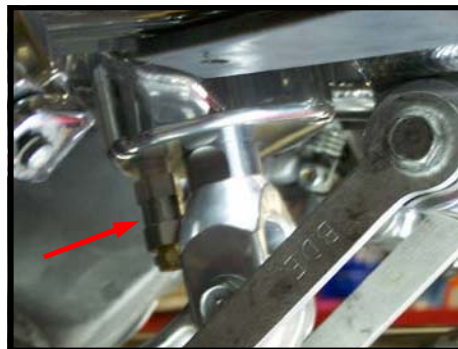


NOTE: Prior to installation, determine the installation location for the compressor, control box, air valve, and the pushbutton assembly. Additional brackets or hardware may be required.

1. Disconnect the battery.
2. Support rear of bike and remove current shock.
3. Install **AIRFX** mono-shock fixed pivot end to the frame using the bolt and nut removed earlier. The fitting in the pivot mount should be facing the rear of the bike. Pull on the rod end of the shock to extend the clevis and align it with the suspension pivot bracket. Re-install the lower shock bolt removed earlier. **USE RED LOCTITE 262 ON ALL THREADS.**
4. Install the check valve into the 1/8" NPT port on the rod clevis end of the shock.
7. Mount the compressor such that it does not interfere with any moving suspension or drive train component.
8. Mount the control box, valve, and push buttons.
9. Supply 12 volt power to the control box using the loose leads. The compressor has an internal breaker, therefore, it is not necessary to run the power through the fuse box. You can run directly off the battery (red to positive, black to negative) or you can tie into the fuse box. From the 3 pin connector, cut to length and splice the compressor and valve wiring per the labels on the wires.
10. Fit and cut a piece of black tubing (provided) between the compressor port and the straight fitting on the valve package. Connect the open port (elbow fitting) of the valve to the port on the pivot end of the shock, push the tubing into the instant connection fitting. To release the tube from the fitting, vent system pressure, push in on the blue ring on the fitting, and pull on the tube.

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

11. Make sure bike goes up and down using the push buttons.
12. 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.**
13. Check for proper chain tension at mid travel of the suspension. Listen for leaks. The system should trap the air in the cylinder, it should not drift down.



***** **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.

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