

FXA-2007/2008 Monoshock Installation

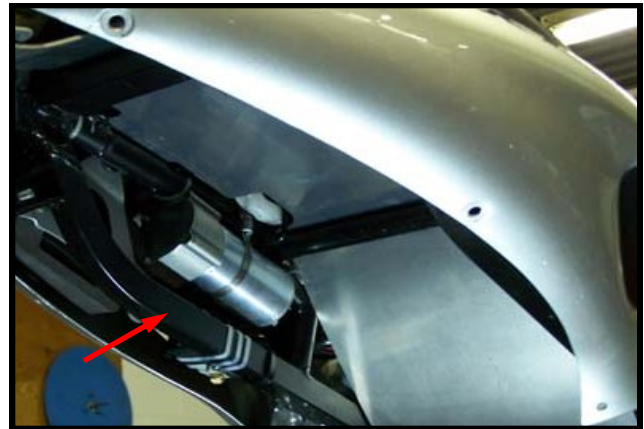


NOTE: Prior to installation, determine the installation location for the compressor, air valve(s), and the pushbutton or toggle wiring harness.

1. Disconnect the battery.
2. Support rear of bike and remove current shock.
3. Install AIRFX monoshock 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 Schrader valve (or the remote fitting) into the port on the rod 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 valve, and toggle or pushbutton wiring harness.
9. Supply 12 volt fused (15A) power to the wiring harness. Reference wiring diagram.
10. Reference wiring/plumbing diagrams for connections.

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

11. Make sure bike goes up and down using the toggle or 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. Verify that the kickstand works at the lowest position.
14. 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.
15. Set Rebound. Reference page 2.



******* 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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Riders may want to customize the rebound control to meet their specific requirements. The components provided in the kit will enable the rider to custom set the rebound preload pressure. The schrader valve provided can be installed directly into the port or installed remotely using the fittings and tubing provided.

Schrader Valve Install:

1. Add pipe sealant and install the Schrader valve in the port located on the shock rod end.
2. Adjust preload.

Remote Install (alternate):

1. Install the straight fitting in the port located on the shock rod end.
2. Attach the tire valve to the female tube fitting.
3. Mount the schrader valve assembly.
4. With the tubing provided, connect the tire valve to the rod end fitting.

Adjustment:

1. Basic setting; lower the bike all the way and push the pin on the tire valve to vent.
2. Alternatively; With the bike lowered, add pressure (5-30psi) to the schrader (tire) valve with an air hose. Too much pressure will not hurt the shock, will just make the ride very firm.
3. Set/adjust the pressure using the tire gauge.
4. Ride the bike and adjust the pressure until desired ride is achieved.
5. More preload pressure firms up the ride.
6. This air pressure is now trapped in the system.

