

# WMC

## AFe CONTROL



Description: aFe Control Johnny O'Connell Signature Series Shock Set

Part Number: 420-401002-J, 420-401002FJ, 420-401002RJ

Application: 2014-2016 Chevrolet Corvette (C7)

Note: Some models might be equipped with "Magnetic Ride" electric adjustable shocks. A delete kit is required for installation on these vehicles.

### Tools Needed:

3/8" drive ratchet  
3/8" torque wrench  
13mm deep socket  
18mm deep socket  
19mm deep socket  
lug nut socket (stock 19mm)

1/4" combination wrench  
15mm combination wrench  
21mm combination wrench  
1/2" drive torque wrench  
floor jack  
jack stands

This procedure is best performed on a vehicle lift, however it is possible to install these shocks using a floor jack and jack stands.

If you have any questions, please see the SUPPORT area on our website [aFecontrol.com](http://aFecontrol.com) or email [info@aFecontrol.com](mailto:info@aFecontrol.com).

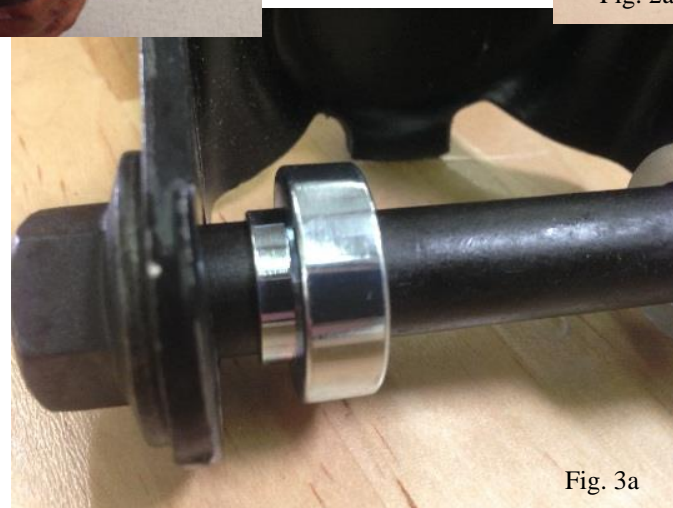
## Front Shock Removal & Installation

1. Using proper jacking points, lift and support the front of the car on jack stands.
2. Remove the front wheels.
3. Using a 18mm deep socket, remove the 2 bolts attaching the aluminum upper shock mount to the frame.
4. Remove the two bolts holding the lower shock mount to the lower control arm.
5. Remove the factory aluminum upper shock mount from the OEM shock, by using a 1/4" wrench to hold the shock shaft, and a 15mm wrench to remove the nut. Fig 1a.
6. Slide the supplied spacer onto the new shock. Re-install the factory aluminum upper shock mount onto the new shock and torque until tight. Fig. 2a
7. Install the shock assembly to the lower control arm by attaching the lower T-bar mount to the control arm using the factory shock bolts, and torque to torque to 21 lb-ft.
8. Attach the upper mount to the frame using the factory bolts. Torque to 48 lb-ft.
9. Repeat the above process on the other side.
10. Reinstall the front wheels, and properly torque lug nuts.
11. Using proper jacking points, lift and remove vehicle from jack stands.



## Rear Shock Removal & Installation

12. Using proper jacking points, lift and support the rear of the car on jack stands.
13. Remove the rear wheels.
14. Using a 18mm deep socket, remove the 2 bolts attaching the aluminum upper shock mount to the frame.
15. Remove the bolt holding the lower shock mount to the lower control arm.
16. Remove the factory aluminum upper shock mount from the OEM shock, by using a 1/4" wrench to hold the shock shaft, and a 15mm wrench to remove the nut. Fig. 1a
17. Slide the supplied spacer onto the new shock. Fig. 2a Re-install the factory aluminum upper shock mount onto the new shock and torque until tight. Fig. 2a
18. Install the shock assembly to the lower control arm using the supplied 14 mm bolt, and nut. Position one spacer on each side of the shock between the control arm and shock, note spacer pilot orientation as pictured. Fig. 3a Torque to 81 lb-ft.
19. Attach the upper mount to the frame using the factory bolts. Torque to 48 lb-ft.
20. Repeat the above process on the other side.
21. Reinstall the rear wheels, and properly torque lug nuts.
22. Using proper jacking points, lift and remove vehicle from jack stands.





191 Granite Street Ste C  
Corona, CA 92879  
951-493-7128  
[www.aFecontrol.com](http://www.aFecontrol.com)