Product:

aFe Control Sway Bars

Part Numbers:

440-701001-N

Applications:

2017-2018 Honda Civic Type R

Contents in the box: 440-701001-N (F&R Set)

Qty	Part #	Description
1	P2502-N	Front Sway Bar
1	P2503-N	Rear Sway Bar
1	P2502-HK	Front Bushing Package
1	P2503-HK	Rear Bushing Package

Difficulty of Installation: **Beginner** |----------x---------| **Advanced**
Reason: This installation requires the lowering of the front sub frame, and is best performed on a 2 post lift. Installation also involves disconnecting steering, and main chassis bracing. Professional installation recommended.
Expected Installation Time: 5 Hours

Recommended Tools:

- Metric Wrench Set
- Metric Socket Set
- Metric Allen Wrench Set
- Impact Driver
- 3/8” drive Torque Wrench
- 2 Post Lift and Screw Jack (preferred)
- Transmission Jack

This procedure is best performed on a vehicle lift by qualified mechanics, while it is possible to install these sway bars using a floor jack and jack stands, it is not recommended.

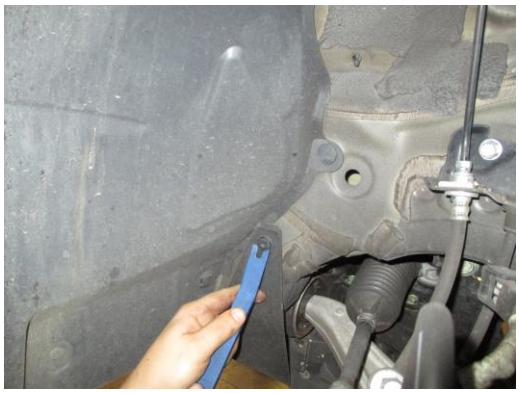
Tech Tip: WD40 is very effective at removing the tacky grease applied to the bushings, use it on surfaces not intended to have grease such as your hands and tools.

Front OEM Sway Bar Removal

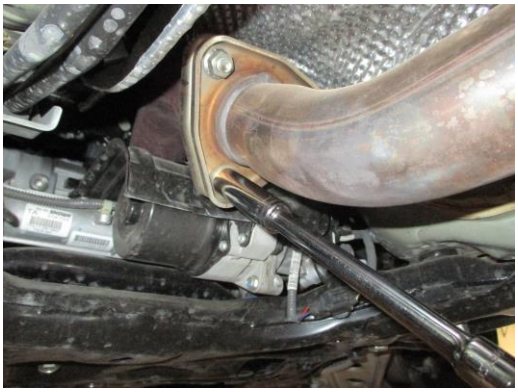
1. Using proper jacking points and a 2 post lift, raise the vehicle in the air.
2. Remove the front wheels. Using a 22mm socket
3. Remove the plastic steering column cover inside the car. Exposing the steering column knuckle.


4. Use a 10mm socket to remove steering column bolt. **Before pulling the knuckle apart use a paint pen to mark the orientation of the two parts for proper column alignment later**.


5. To gain access to the subframe brace attachment points, remove the plastic rivets inside the wheel wheels. Remove 2 Allen screws and 5 bolts to remove skid plate.




6. Remove the lower crash bar with a 17mm socket. To gain access to the exhaust. Using a 14mm socket remove the 3 nuts to exhaust.

7. Loosen and remove the 14mm bolts that secure the heat shield to the vehicle.

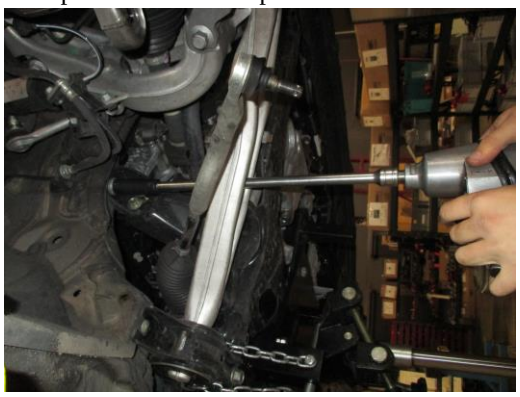

8. Once heat shield is removes from vehicle, disconnect the steering sensor connection. Disconnect steering rack connection on the side of the frame also.


9. Loosen and remove the down pipe using a 14mm socket. Remove down pipe out the front of the vehicle.

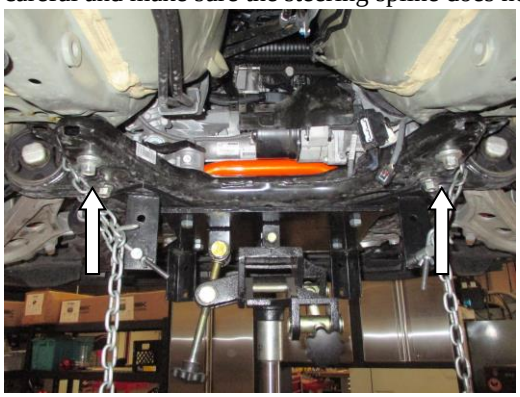

10. Loosen and remove the 19mm bolt that hold the engine mount. Remove sub frame braces using a 17mm socket.

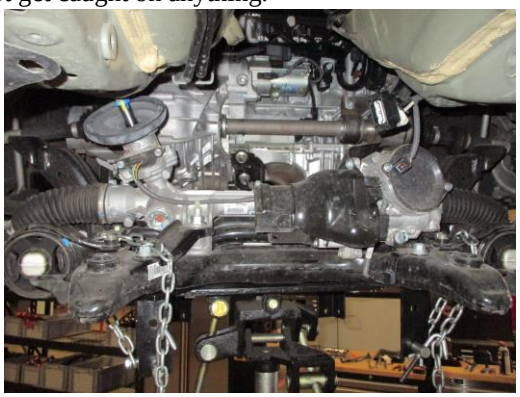

11. Disconnect the tie rods from the spindle using a 19mm socket.


12. Using a screw jack, support the subframe, then remove the left and right side forward sub frame bolts. We chose to place the screw jack forward on the subframe near the lower control arms, this is helpful in the next step.



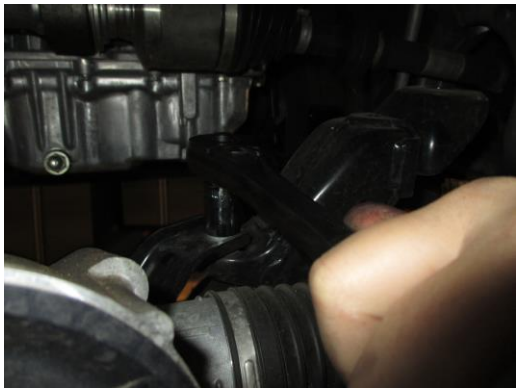
13. Slowly lower the subframe, be careful to ensure that you are not binding on anything and that all electrical connections and lines are free and not under tension. We were able to achieve this step by rotating the subframe back, and not completely dropping it from the vehicle. In this step be careful and make sure the steering spline does not get caught on anything.



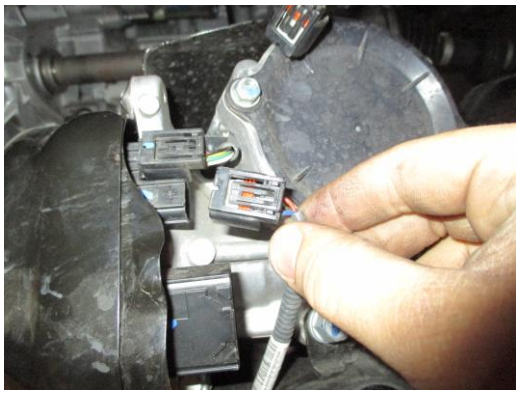
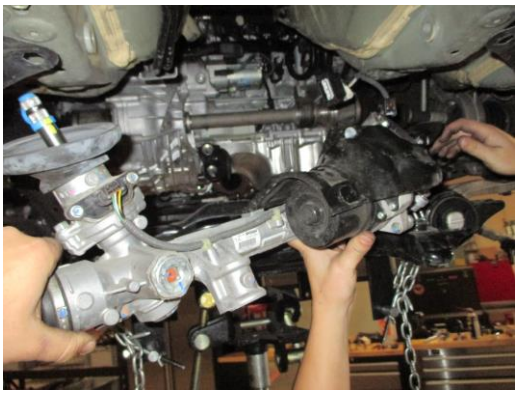


14. You can now access the steering rack bolts that hold the rack to the sub frame. Remove the 9 bolts that hold the rack to the sub frame.






15. With the rack bolts removed you disconnect rack wiring harness. Now you can remove the whole rack from the sub frame.

16. Now you will be able to remove the factory sway bar from the subframe.

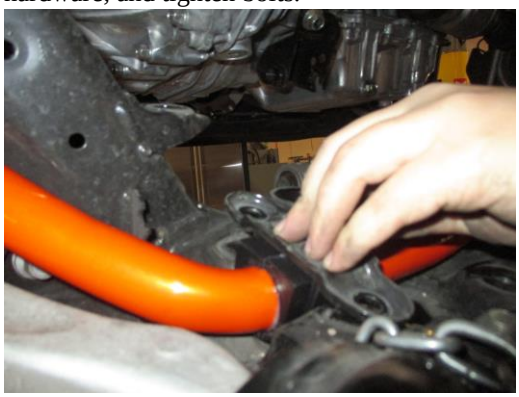

17. Before removing the brackets, take time to note the orientation of the OEM brackets.

Front aFe Control Sway Bar Installation

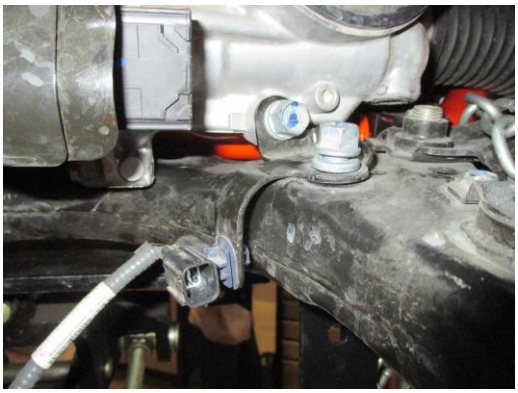
1. Remove sway bar end link from stock bar. Reinstall the stock end link on AFE Control sway bar. Apply grease to inner surface and install new bushings onto sway bar.

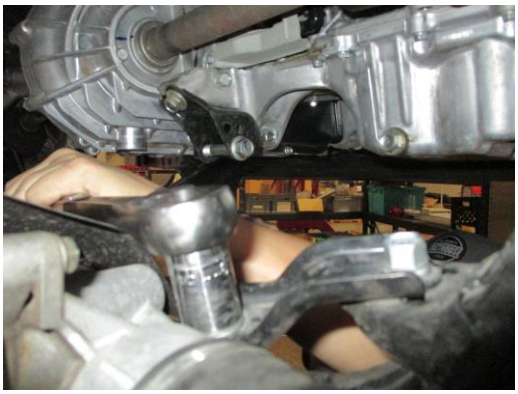

2. Reinstall the new sway bar by raising into the sub frame, in the pictured orientation.


3. Reinstall the OEM brackets, carefully noting the correct orientation. Reattach the mounting hardware, and tighten bolts.




4. You can now reinstall the steering rack into the sub frame. Tighten down all bolts that hold the rack into the sub frame.

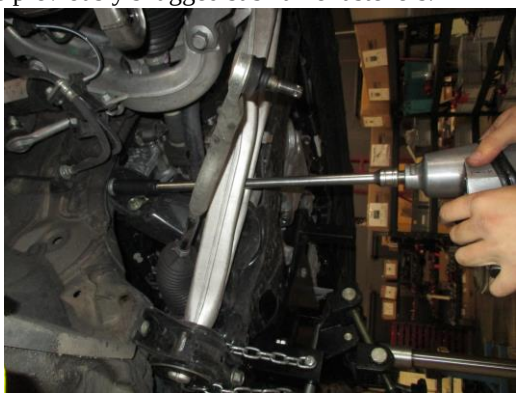



5. Reconnect steering rack wiring harness. This will complete the rack installment.

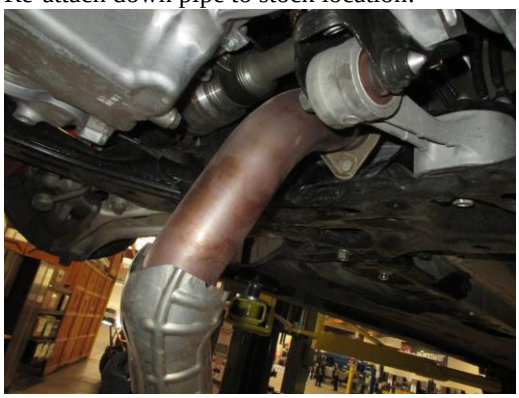

6. Raise the sub frame back up into its stock location and reinstall bolts and tighten down. Re connect all wiring to steering rack.


7. Secure the rear subframe, by re-attaching the left and right brackets. Shift subframe as required to keep everything aligned. Go back and torque the previously snugged subframe fasteners.

8. Reinstall the rear main subframe brace.

9. Re-attach down pipe to stock location.




10. If removed in previous steps, re-connect the electrical connector to the steering rack.

11. Re-secure the bracket that holds the transaxle bracket to the subframe.

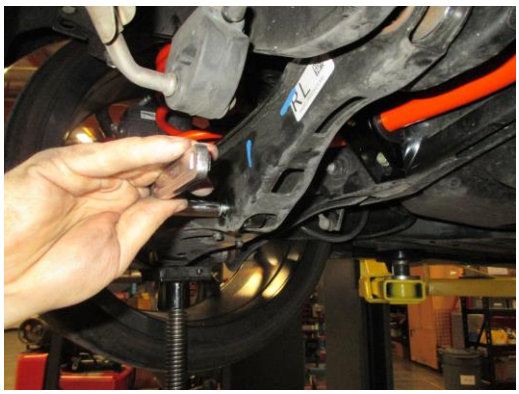
12. Re-secure the heat shield, and reinstall the exhaust


13. Reinstall all underbelly fasters and underbody covers after verifying all connections and bolt are secured.
14. Re-secure steering shaft knuckle. **Aline the splines with previous markings and reinstall the bolts to the steering rack.** Reinstall the steering kick panel.


15. Double check all your work and re-install wheels torqueing to proper values.

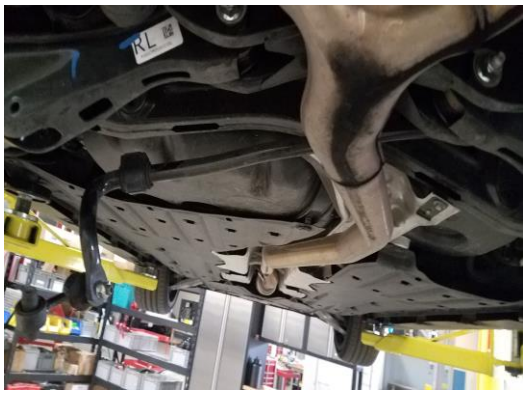
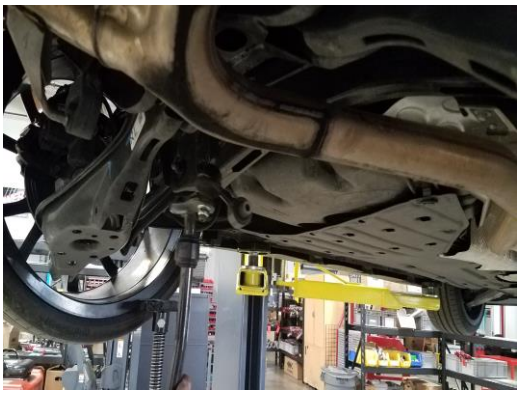
Rear OEM Sway Bar Removal

1. Using proper jacking points, lift and support the rear of the car on jack stands.
2. Remove the wheels.
3. Disconnect the OEM rear sway bar end links on both sides of vehicle. Pull the sway bar up out of lower control arm.




4. Remove the driver and passenger side sway bar mounts


5. Remove the OEM bushing brackets on both sides of vehicle.
6. Slide the OEM sway bar out the driver's side through the opening in the exhaust and lower control arm.

Rear aFe Control Sway Bar Installation

1. Remove the stock end links and install them onto the new sway bar.


2. Grease inside surface and install new bushings onto the sway bar.

3. Install grease fitting onto supplied brackets. and install onto bar, using factory hardware.


4. Double check all your work and re-install sway bar and tighten down sway bar brackets.

5. Reinstall end link into lower control arms.

6. Double check all bolts and hardware, reinstall the tires and torque to oem specifications.

When all work is complete take the vehicle to alignment shop for a proper wheel alignment.

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