

Installation Instructions

Eibach Inc. 264 Mariah Circle Corona, CA 92879
USA Tech Support 800-507-2338 ext. 114



PRO KIT: E10-35-064-02-22

2024 FORD MUSTANG GT, S650, 5.0L, PERFORMANCE PACK W/
MAGNERIDE

Notes

Made for use only with magneride equipped vehicles.

Kit Contents

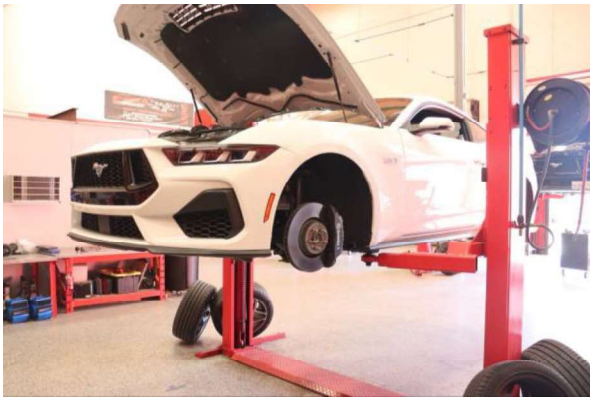
Description	Part Number	Quantity
FRONT SPRING	F11-35-029-06-FA	2
REAR SPRING LEFT	F11-35-029-02-RL	1
REAR SPRING RIGHT	F11-35-029-02-RR	1

Installation Notes

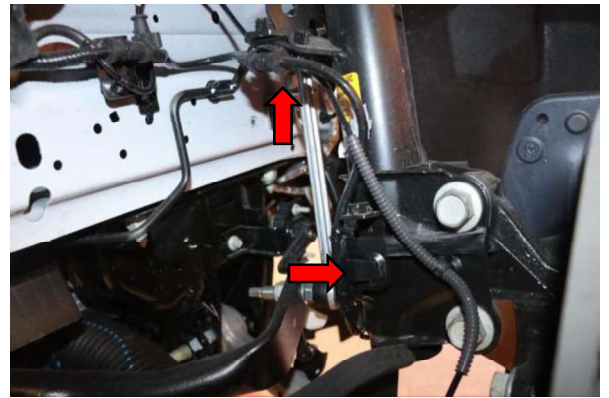
Read all instructions before beginning installation

- Only qualified mechanics experienced in the installation and removal of suspension components should perform this installation.
- Use of a hoist and screw jack is highly recommended and will substantially reduce installation time.
- Never work on or under a vehicle unless it is properly supported by safety stands and wheels are blocked.
- Never use impact wrenches or impact guns to install or remove shock absorber piston components, shafts and Piston rod nuts.
- All Eibach springs should be installed with the Eibach logo right-side-up. All original stock spring isolators and dampers should be retained from the stock springs when installing Eibach PRO-LIFT springs.
- After Installation, inspect and adjust the following: Wheel Alignment; tire/wheel fender clearance when using aftermarket wheels or tires; brake line clearance and attachments; anti-lock-brake system sensors.
- Tire Rotation: In order to increase the life of your tires, it is recommended to rotate yours tires every 3,000 miles.

FRONT INSTALLATION



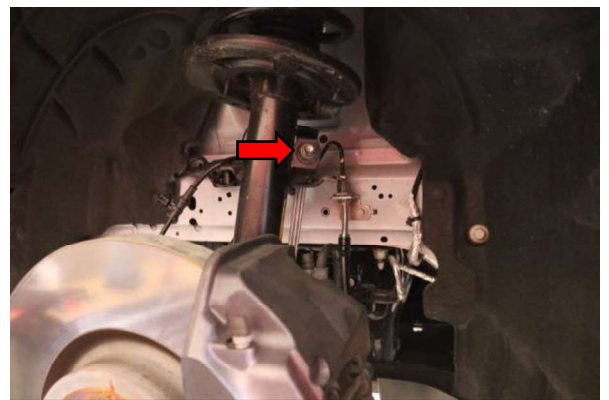
Step 1. Raise the vehicle on a suitable hoist and support it with the proper safety equipment. Use a 21mm socket to remove both front wheels. **Note:** Never work on or under a vehicle that is not supported by the proper safety equipment.



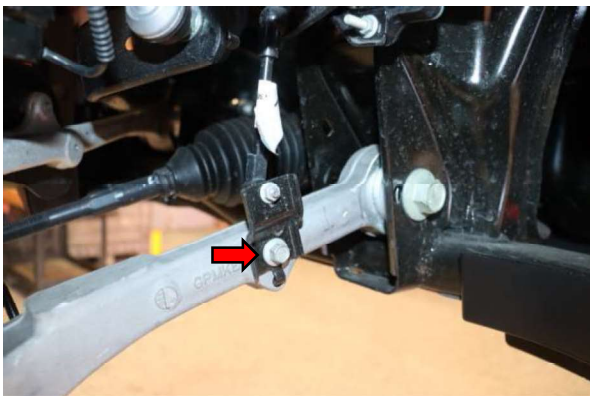
Step 2. Remove four wheel speed sensor wire harness routing clips from rear of lower shock body.



Step 3. Disconnect shock wire harness connector and routing clip at front of lower shock body.



Step 4. Use a 17mm and 18mm wrench to remove nut from upper sway bar end link and rotate out of mounting hole in the shock body.

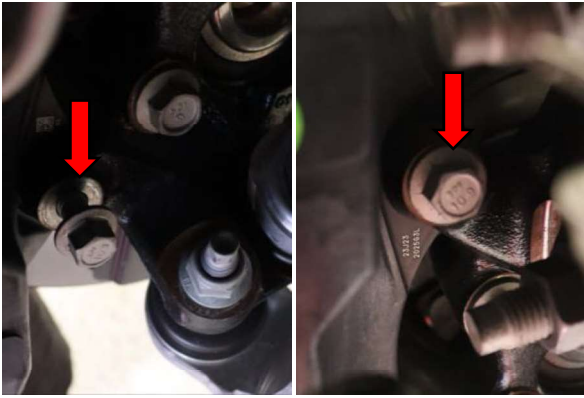


Step 5. Use a 10mm to remove the ride height sensor bracket bolt.

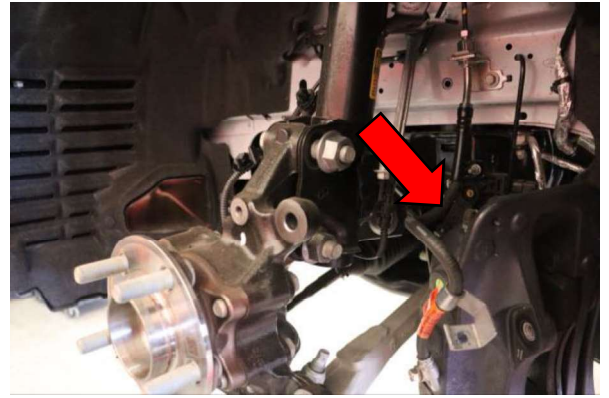


Step 6. Use a 10mm to remove brake line bracket bolt.

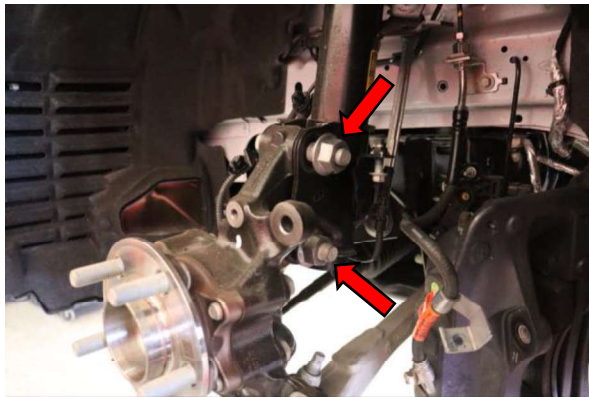
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Step 7. Use 15mm to remove two brake caliper mounting bolts.



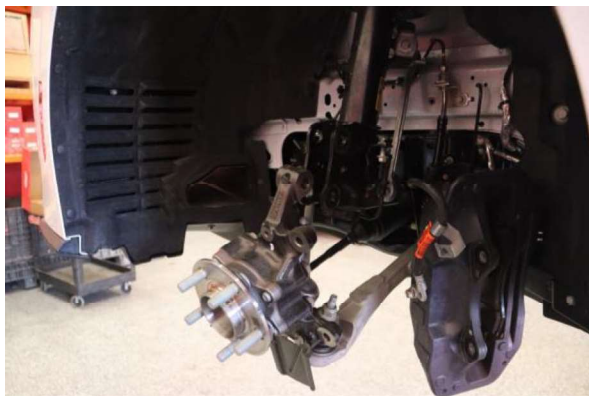
Step 8. Hang front brake caliper to prevent damage to brake line. Remove brake rotor.



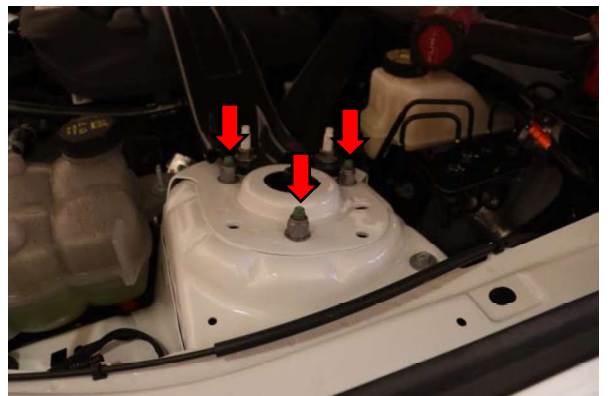
Step 9. Use 24mm to remove both lower shock mount nuts.



Step 10. Use a hammer to remove both lower shock mounting bolts.

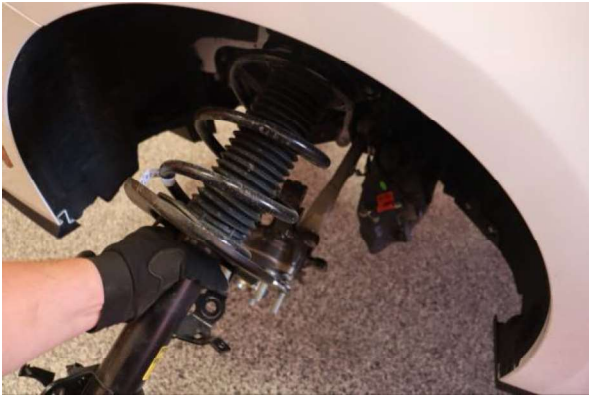


Step 11. Separate steering knuckle from lower shock body.



Step 12. Lower the vehicle and remove three 15mm nuts from upper shock mounting studs.

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Step 13. Remove the shock assembly from the vehicle.



Step 14. Mark the shock assembly top hat to assist in alignment during reassembly.



Step 15. Use a spring compressor to compress the shock assembly enough that the bottom of the spring is no longer contacting the lower spring perch.



Step 16. Use a 21mm to remove the top hat mounting nut. Do not use an impact tool for this step, excessive rotation of the shock shaft during removal can damage the shock internal components. Hold shock shaft in place during nut removal to prevent damage.

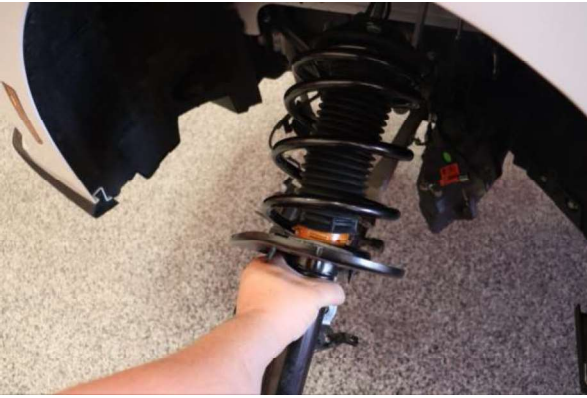


Step 17. Remove the shock from the compressed spring. Remove OE top hat and boot assembly. Decompress and remove OE spring from the spring compressor.

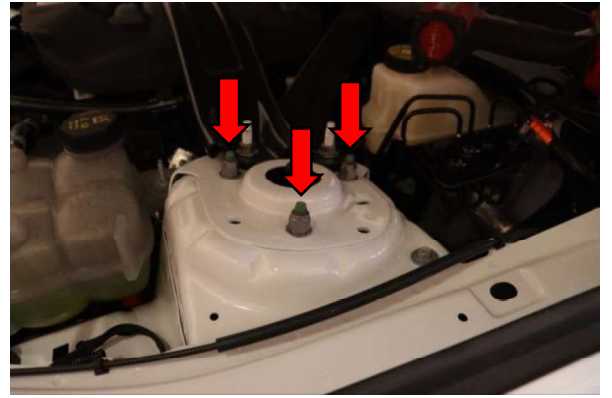


Step 18. Compress the Eibach spring. Install the OE top hat and bot assembly. Install the OE shock from below making sure the end of the spring aligns with the end of the lower spring isolator. Install and tighten 21mm shock shaft nut to factory specification.

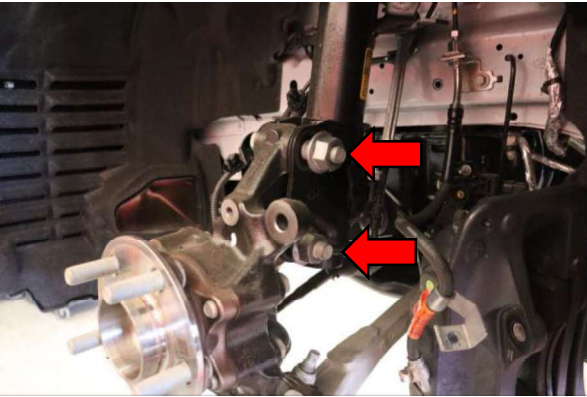
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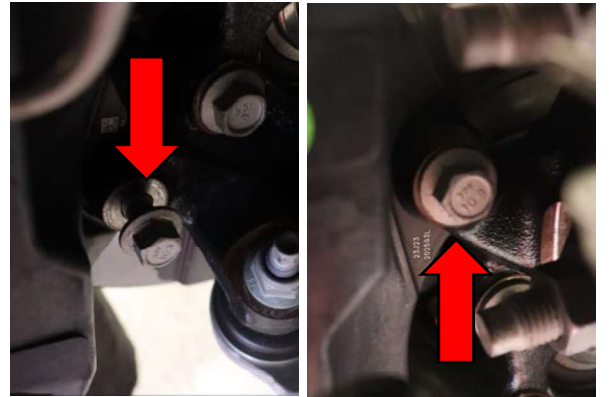
Step 19. Install the shock assembly up through the mounting holes in the shock tower.



Step 20. Install three 15mm upper shock mounting nuts and tighten to factory specification.



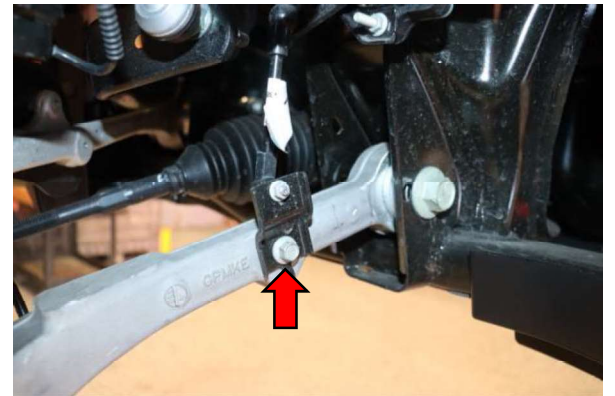
Step 21. Install the steering knuckle onto the bottom of the shock using 24mm nuts and splined bolts. Tighten to manufacturer specification.



Step 22. Install the brake rotor. Use two 15mm bolts to install the brake caliper bracket. Tighten to manufacturer specification.

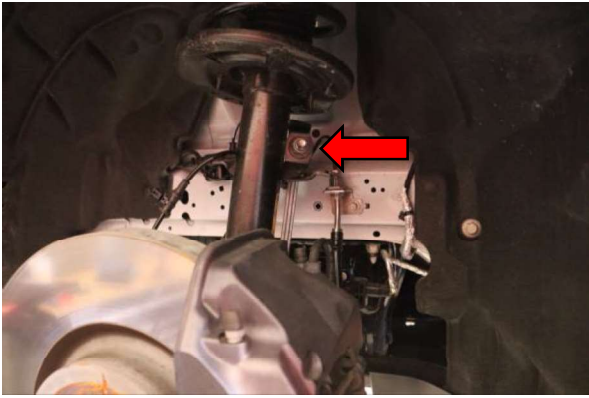


Step 23. Use 10mm to install the brake line bracket. Tighten to manufacturer specification.

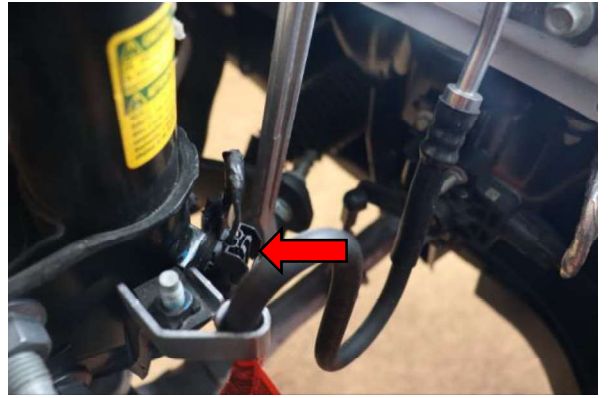


Step 24. Use 10mm to install the ride height sensor bracket. Tighten to manufacturer specification.

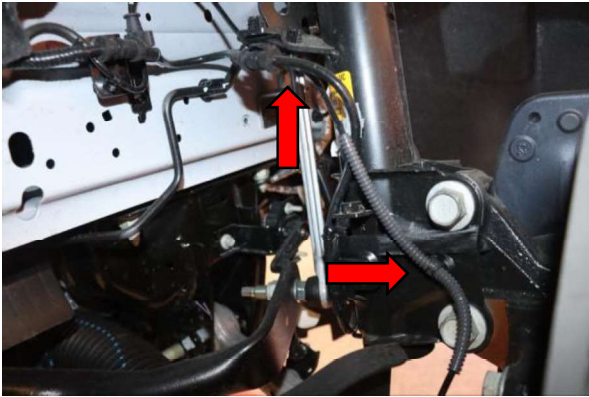
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Step 25. Use 17mm wrench and 18mm socket to install the upper sway bar end link mounting nut. Tighten to manufacturer specification.



Step 26. Connect shock wire harness connector and routing clip at front of lower shock body.



Step 27. Install four wheel speed sensor wire harness routing clips in rear of lower shock body.

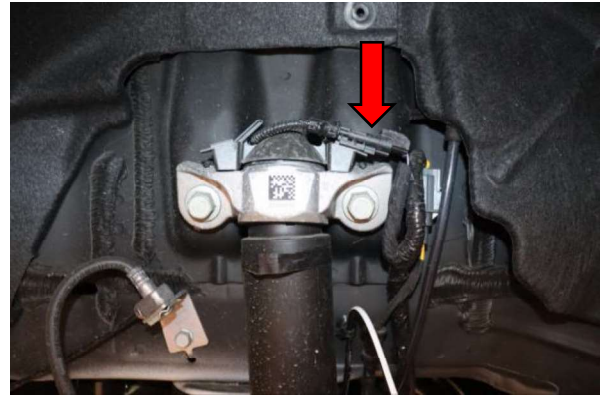


Step 28. Continue to rear spring installation.

REAR INSTALLATION



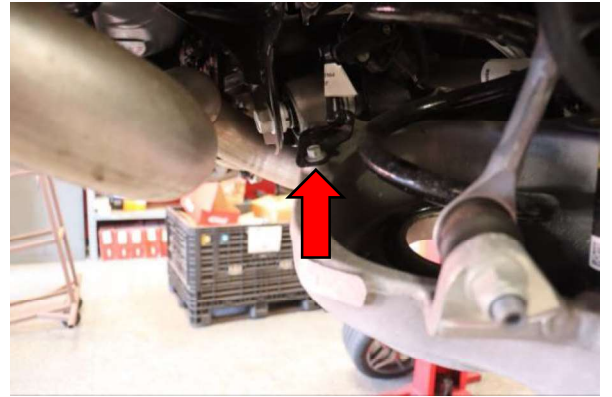
Step 1. Raise and support the vehicle. Remove 21mm lug nuts and remove wheel and tire assembly. **Note: Never work on or under a vehicle that is not supported by the proper safety equipment.**



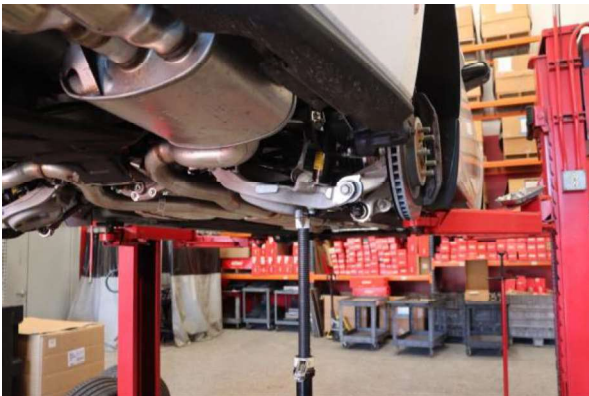
Step 2. Disconnect electrical connector at the top of both left and right shocks.



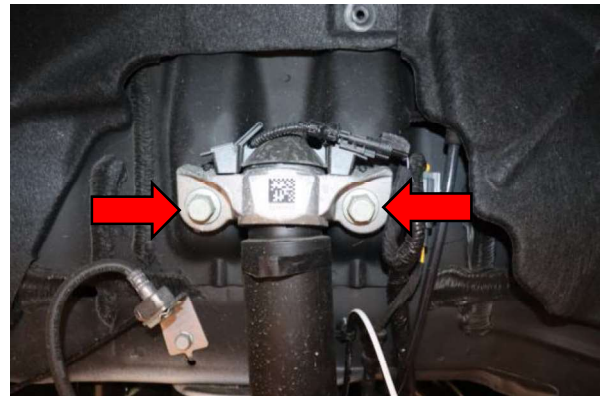
Step 3. Remove wire harness bracket from support bracket on both left and right side.



Step 4. Use 10mm to remove the ride height sensor bracket on both left and right side.

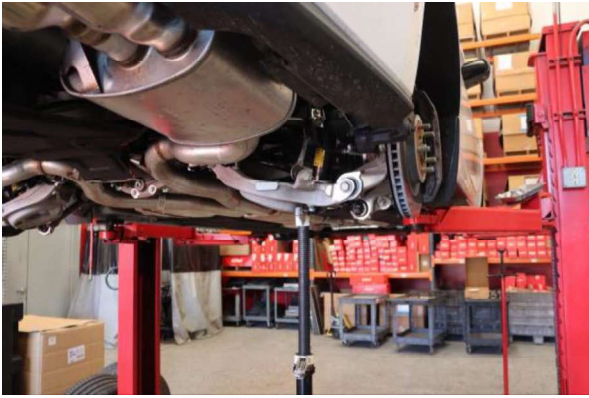


Step 5. Support either the left or right lower control arm using a pole jack or similar tool.

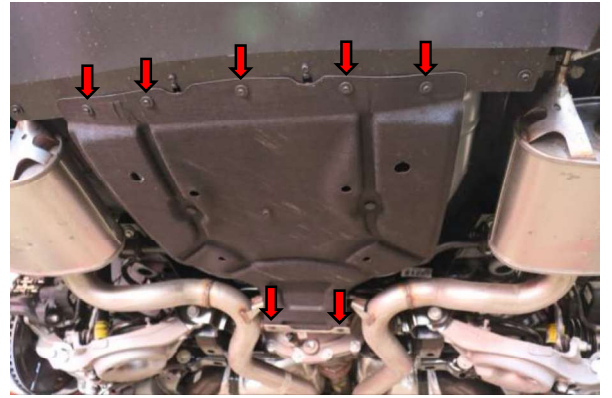


Step 6. Use 18mm to remove both upper shock mounting bolts on the side being supported.

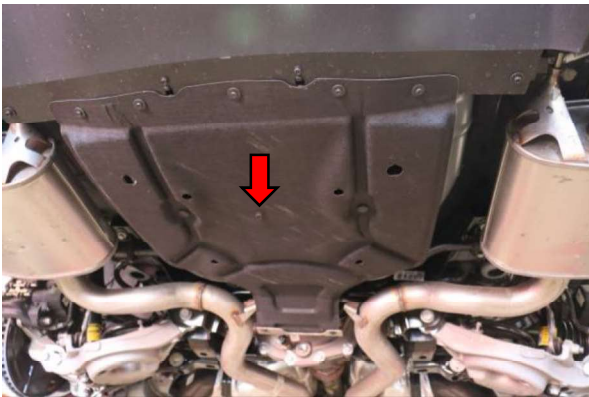
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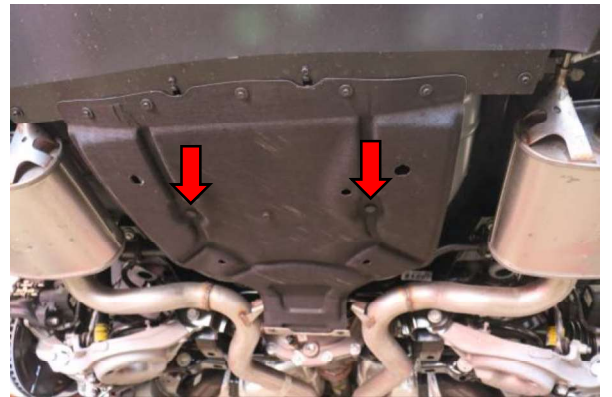
Step 7. Lower the control arm support and remove. Repeat steps 5-7 on opposite side of the vehicle.



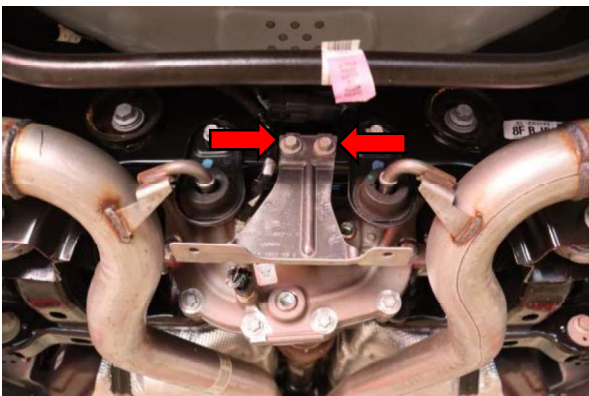
Step 8. Remove seven 7mm bolts from rear belly pan.



Step 9. Remove 10mm bolt from center of rear belly pan.



Step 10. Remove two clips from rear belly pan and remove the pan.

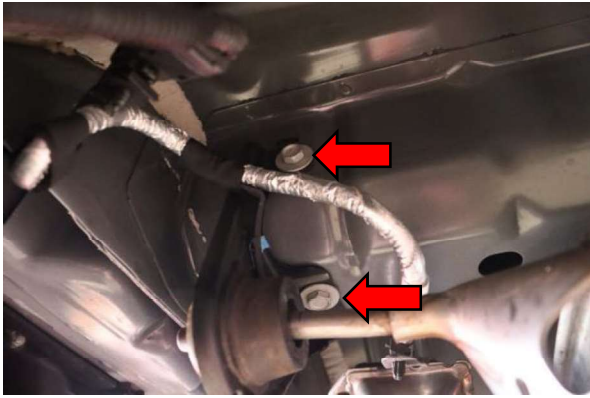


Step 11. Remove two 13mm exhaust hanger bolts.

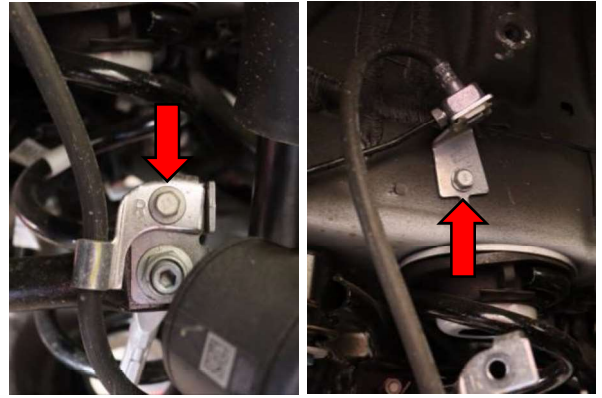


Step 12. Use a strap to support the exhaust.

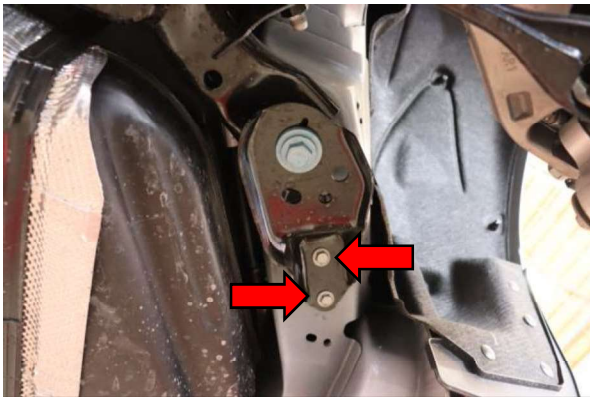
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Step 13. Remove two 13mm exhaust hanger bolts near rear of vehicle. Repeat on opposite side. Lift front and rear exhaust hangers off mounting hooks and allow exhaust to rest on strap installed in previous step.



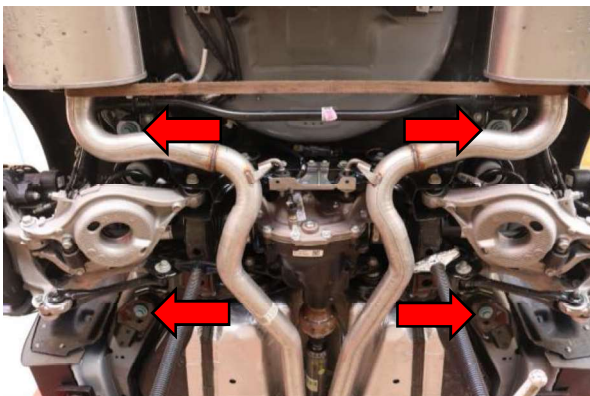
Step 14. Use 10mm to remove brake line bracket bolts on both the left and right side.



Step 15. Remove two 13mm bolts from sub-frame brace. Repeat on opposite side.



Step 16. Use a jack to support the left and right side of the sub-frame.



Step 17. Use 21mm to remove 4 bolts securing rear sub-frame to the vehicle.



Step 18. Carefully and evenly lower the rear sub-frame enough that the top of the spring is clear of the upper spring perch. Remove OE spring from the vehicle on both left and right side.

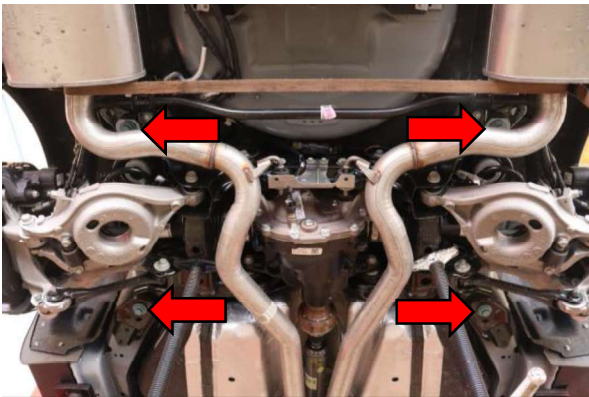
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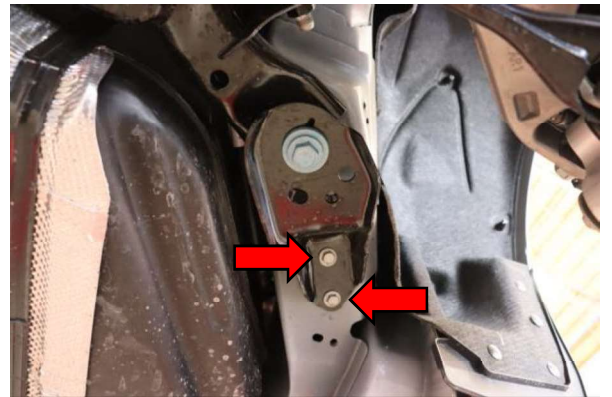
Step 19. Install Eibach rear spring in vehicle. Ensure spring is seated completely in isolators top and bottom. **Note: Rear springs in this application are specific to left and right side. The spring labeled RL should be installed on the left side and the spring labeled RR should be installed on the right side.**



Step 20. Evenly lift the rear sub-frame back into position.



Step 21. Install four 21mm sub-frame bolts loosely. Use a pry bar to align sub-frame to previous position. **Note: The sub-frame shifting during install can cause rear camber change beyond what can be corrected during alignment.** Tighten four 21mm bolts to manufacturer specification. Remove support jacks.



Step 22. Install two 13mm bolts securing sub-frame brace to the vehicle. Tighten to manufacturer specification. Repeat on opposite side.

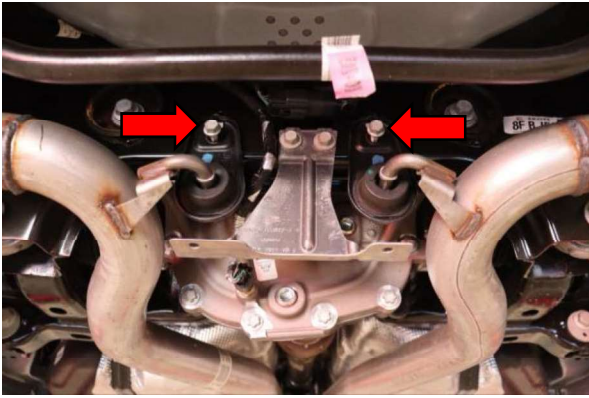


Step 23. Use 10mm to secure brake line routing bracket. Tighten to manufacturer specification.



Step 24. Lift rear exhaust hanger hooks into mounting locations. Use two 13mm to secure the exhaust hanger to the frame. Tighten to manufacturer specification. Repeat on opposite side.

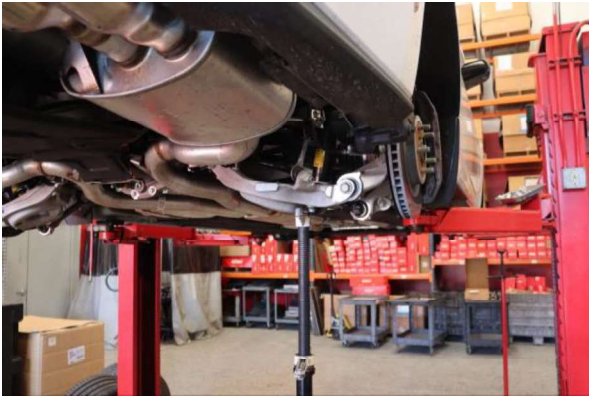
REAR INSTALLATION



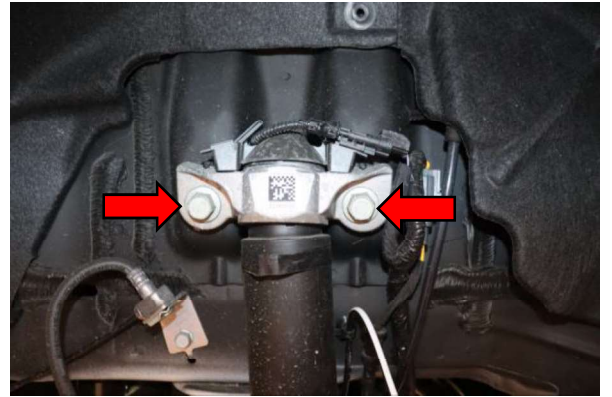
Step 25. Lift front exhaust hangers onto mounting locations. Use two 13mm to secure exhaust hangers to rear sub-frame. Tighten to manufacturer specification.



Step 26. Remove the strap used to support the exhaust.



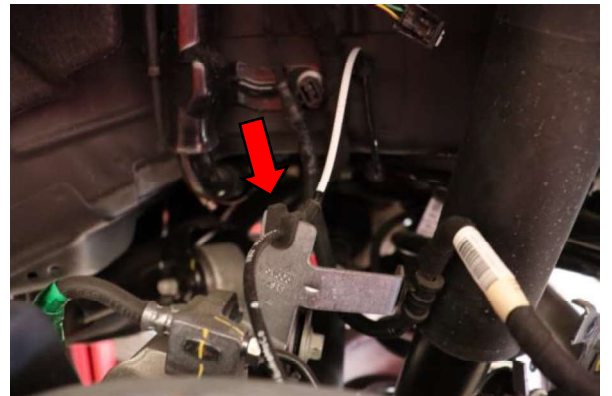
Step 27. Use a support to lift on the lower control arm until the upper shock is in its mounting location.



Step 28. Use two 18mm to secure upper shock mount to the frame. Tighten to manufacturer specification.

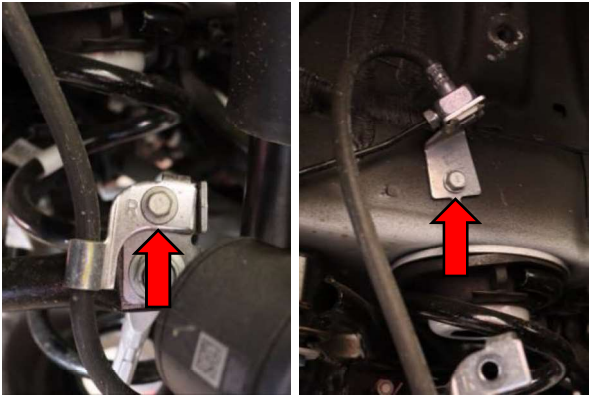


Step 29. Connect shock electrical connector. Remove lower control arm support. Repeat steps 27-29 on opposite side.

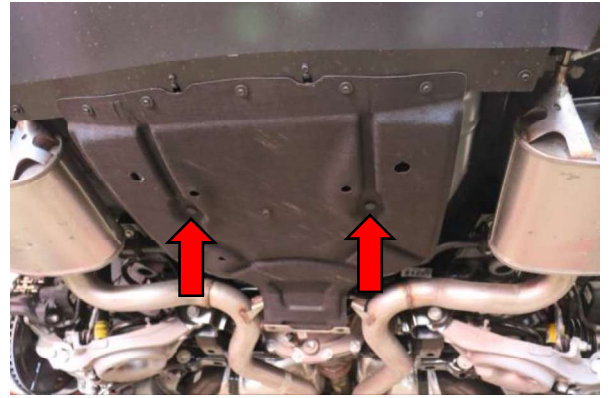


Step 30. Install wire harness grommet into routing bracket. Repeat on opposite side.

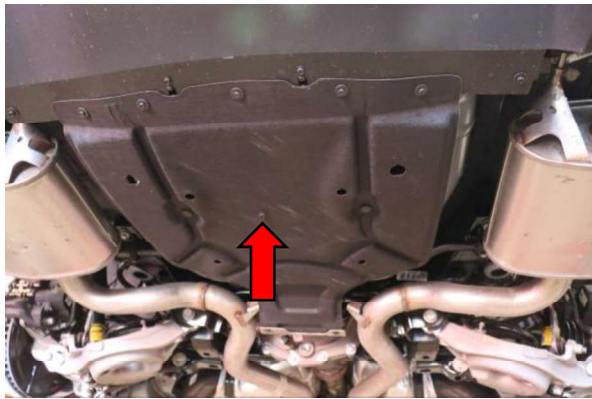
REAR INSTALLATION



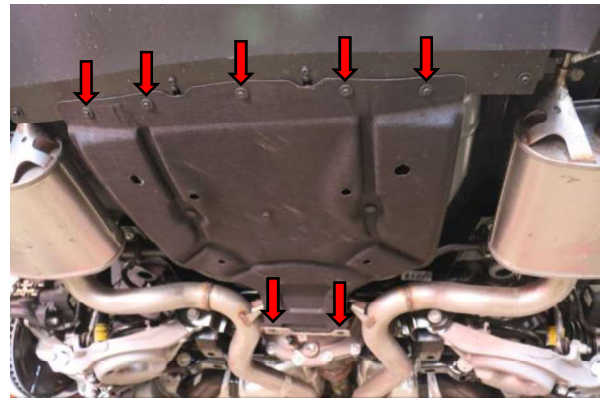
Step 31. Use 10mm bolts to secure both brake line routing brackets on both left and right sides. Tighten to manufacturer specification.



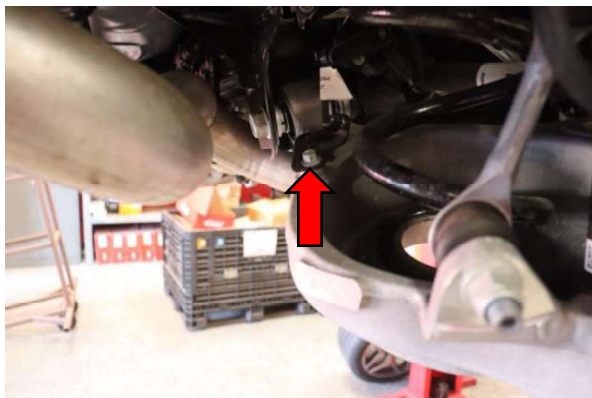
Step 32. Lift rear belly pan into position and install two clips.



Step 33. Install 10mm bolt and tighten to manufacturer specification.



Step 34. Install seven 7mm screws. Tighten to manufacturer specification.



Step 35. Install 10mm bolt securing ride height sensor bracket to control arm on both left and right sides. Tighten to manufacturer specifications. Install front and rear wheels and tires using 21mm. Tighten to manufacturer specification.



Step 36. Lower the vehicle and test drive listening for any abnormal noises or vibrations. Perform alignment. Verify ride height by measuring from the bottom of the wheel to the fender. Ride height should increase decrease 1.6 inches in front and 1.3 inches in rear when compared with measurements from factory equipment.

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Bump Stop Modification

