

Installation Instructions

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Anti-Roll-Kit # E40-42-046-01-10

2019+ Hyundai Veloster/Elantra, 1.6T

Kit Contents	Description	Part Number	Qty
	Front Bar	AS41-42-046-01-FA	1
	Anti-Roll Hardware Kit	AK41-42-046-01-FA	1
	Bushing	ES5341.01	2
	Bracket	UB0020	2
	Instructions	E40-42-046-01-10INST	1

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.
- **Tire Rotation:** In order to increase the life of your tires, it is recommended to rotate your tires every 3,000 miles.

FACTORY FRONT BAR REMOVAL

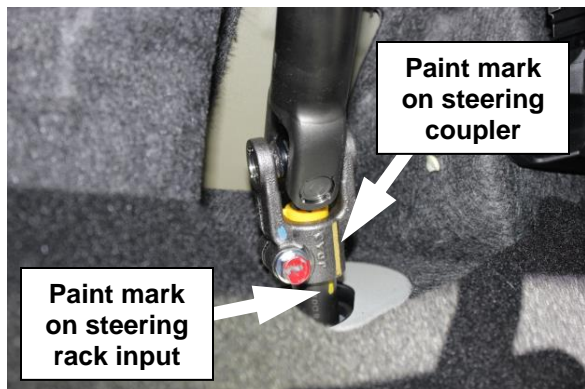


Photo 1

1. The steering coupler to the steering rack input will need to be disconnected so that the subframe can be lowered for removal and installation of the front bar. **Note:** There should be a paint mark on the coupler to steering rack input as shown above. If the mark is not present you will need to make a paint mark on both surfaces so that it can be properly aligned after the bar has been installed. (See Photo 1)



Photo 2

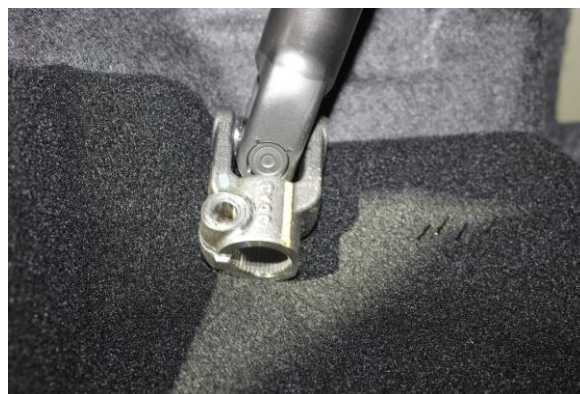


Photo 3

2. Remove the screw that connects the steering coupler to the steering rack input, then, disconnect the steering coupler and set it off to the side against the carpeting as shown above. (See Photos 2 & 3)

3. You can now raise the vehicle and support it with the proper safety equipment, then, remove the front wheels. **Note: Never work on or under a vehicle that is not supported by the proper safety equipment.**



Photo 4

4. Disconnect the end links from the strut on both sides of the vehicle. (See **Photo 4**)



Photo 5



Photo 6

5. Loosen and remove the plastic rivets and screws that secure the underbody cover, then, remove the cover. (See **Photos 5 & 6**)

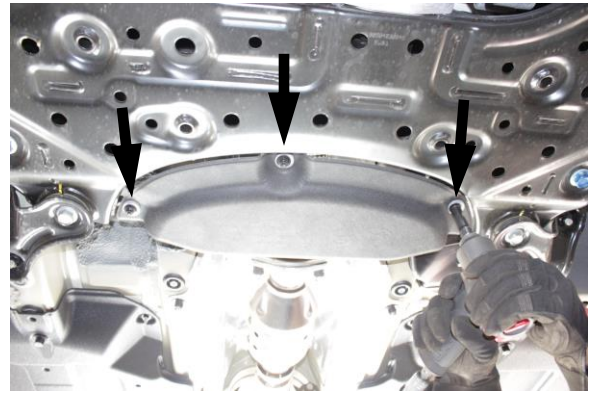


Photo 7

6. Loosen and remove the hardware that secures the small rearward subframe cover and remove the cover. (see **Photo 7**)

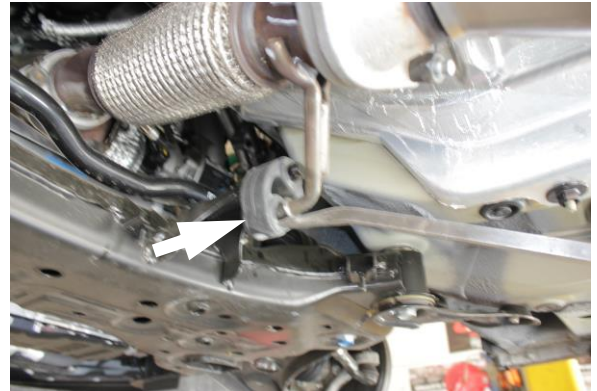


Photo 8

7. Disconnect the exhaust hanger grommet as shown. (See **Photo 8**)

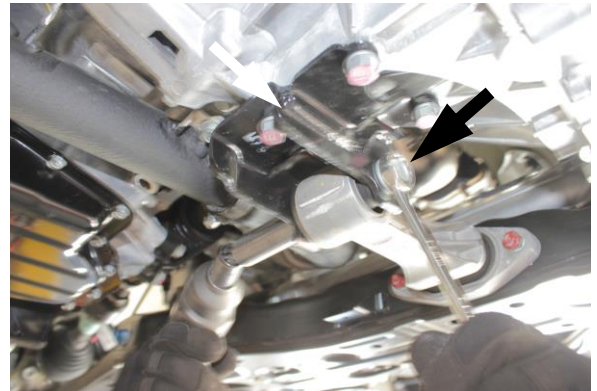


Photo 9

8. Loosen and remove the hardware that secures the subframe bracket to the trans mount bracket. (See **Photo 9**)

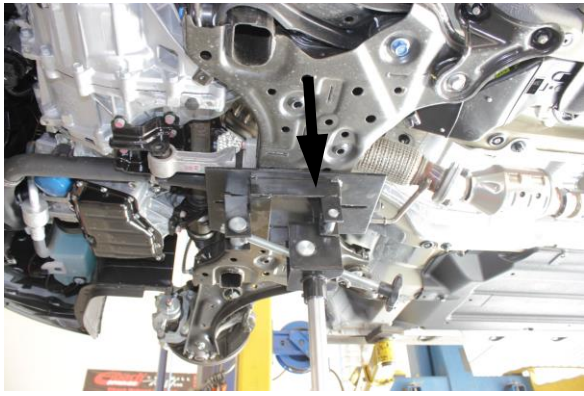


Photo 10

9. Support the subframe with a screw jack or other suitable shop jack. **(See Photo 10)**



Photo 11

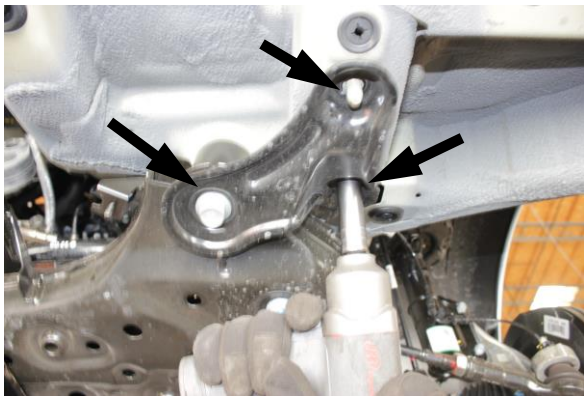


Photo 12

10. Loosen and remove the forward subframe attachment nuts as well as the rear subframe screws and nuts as shown. **Note: Be sure the subframe jack has a little bit of tension on the subframe. (See Photos 11 & 12)**



Photo 13



Photo 14



Photo 15

11. Slowly lower the subframe just enough to access and remove the bushing bracket hardware, then, remove the OE bar assembly. **(See Photos 13, 14 & 15)**



Photo 16

12. Remove the OE end links from the ends of the OE bar.
Note: Be sure to note the orientation of the end links as they will be reinstalled in the same orientation on the Eibach bar. (See Photo 16)

EIBACH FRONT BAR INSTALLATION



Photo 17

1. Install the OE end links onto the Eibach bar in the same orientation as stock. **(See Photo 17)**



Photo 18



Photo 19

2. Install the bar into the vehicle as shown. **(See photos 18 & 19)**



Photo 20



Photo 21



Photo 22

3. Apply some poly lubricant to the inside of the supplied Eibach front bushings and install the bushings onto the Eibach bar as shown. (See Photos 20, 21 & 22)

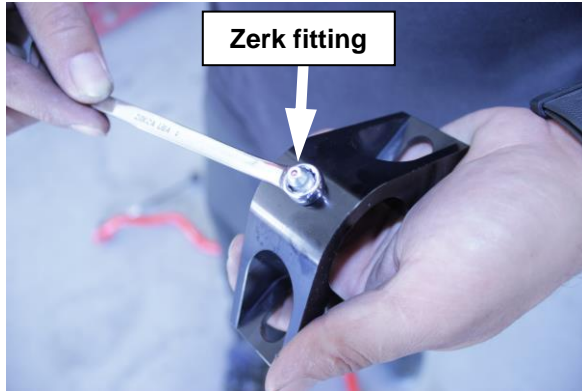


Photo 23

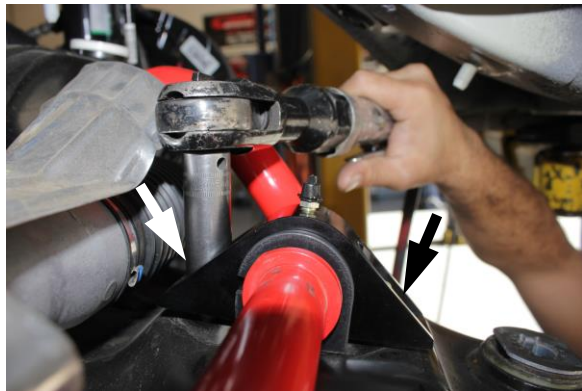


Photo 24

4. Thread and secure the provided zerk fitting into the Eibach bushing brackets, then, install the brackets on the Eibach bushings and secure them with the OE hardware. (See Photos 23 & 24)



Photo 25

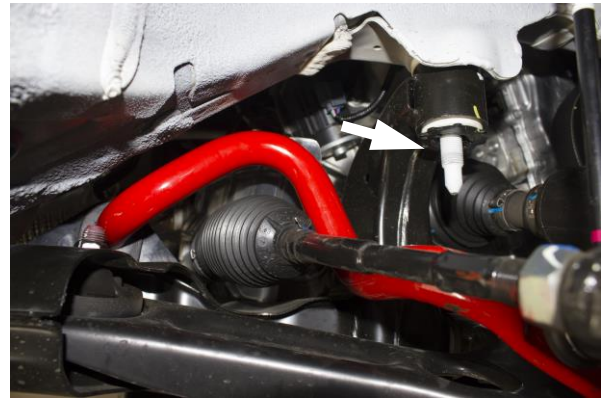


Photo 26



Photo 27

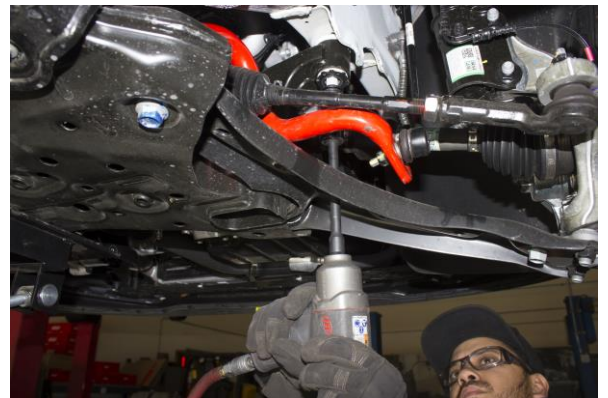


Photo 28

5. Slowly raise the subframe and secure the forward left and right side mounts with the OE hex nuts. (See Photos 25, 26, 27 & 28)

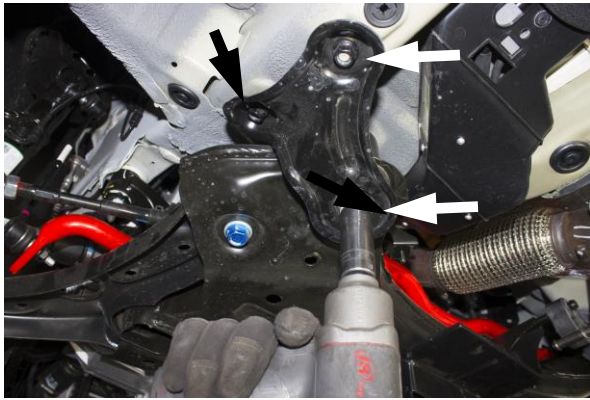


Photo 29

6. Secure the rear of the subframe with the left and right side rearward OE brackets and hardware. (See Photo 29)

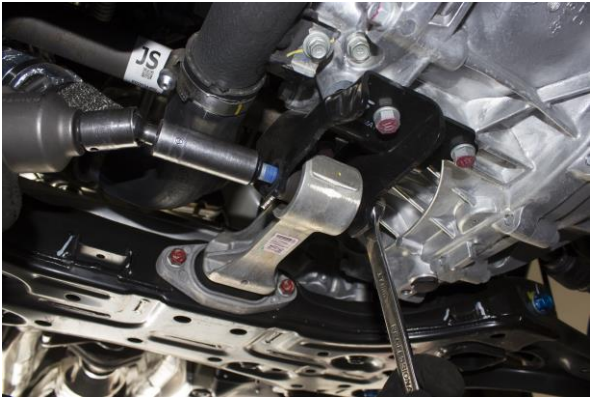


Photo 30

7. Secure the subframe mount bracket to the trans mount bracket with the OE hardware. (See Photo 30)



Photo 31

8. Secure the OE exhaust hanger as shown. (See Photo 31)



Photo 32

9. Reconnect the end link to the damper using the OE hardware as shown. (See Photo 32)



Photo 33

10. Reconnect the steering coupler to the steering rack input making sure the paint marks are properly aligned and secure it with the OE hardware. (See Photo 33)



11. Double check to make sure everything is properly positioned and tightened, then, reinstall the underbody cover using the OE hardware.

12. After road testing, double check all hardware to make sure everything is properly tightened.