

Installation Instructions

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Anti-Roll-Kit # E40-42-027-01-10

2012-18 Hyundai Veloster

Kit Contents	Description	Part Number	Qty
	Front Bar	AS41-42-027-01-FA	1
	Anti-Roll Hardware Kit	AK41-42-027-01-FA	1
	Bushing	UB0009	2
	Bracket	UB0213	2
	Lubricant	AR.LUBRICANT	1
	Instructions	E40-42-027-01-10INST	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

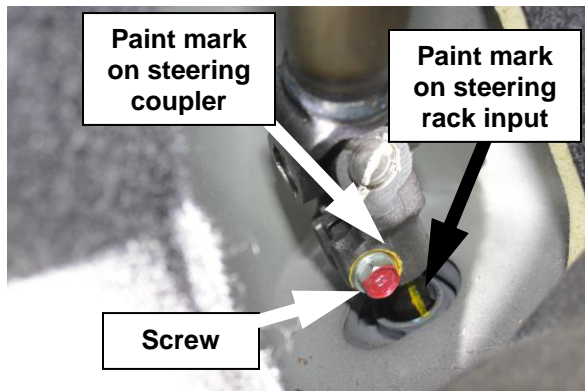


Photo 1



Photo 2

1. Loosen and remove the screw that secures the steering coupler/u-joint to the steering rack input. This is necessary as the subframe will need to be lowered for removal and installation of the front bar. **Note: 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 Photos 1 & 2) Caution: Once the coupler to steering rack input has been disconnected, do not turn the steering wheel as this will cause a mis-alignment issue.**
2. 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.**

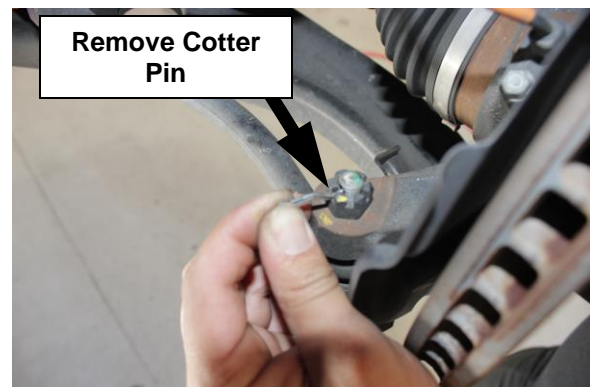


Photo 3

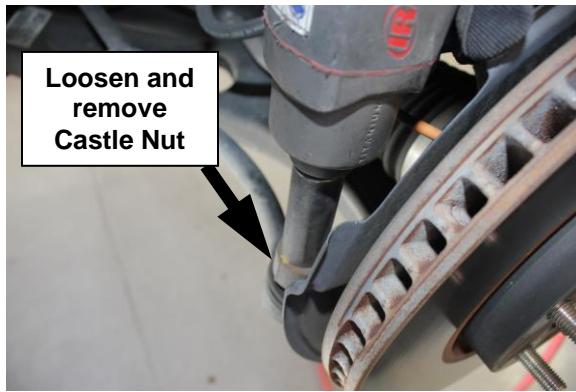


Photo 4

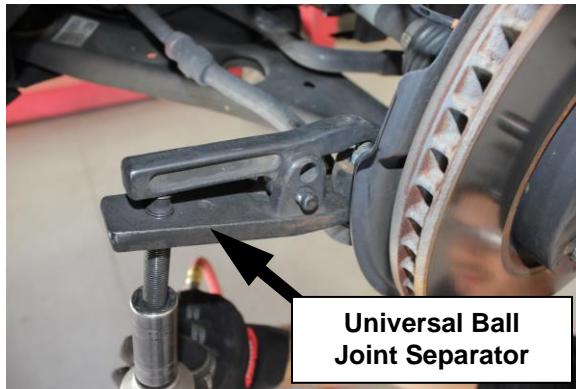


Photo 5

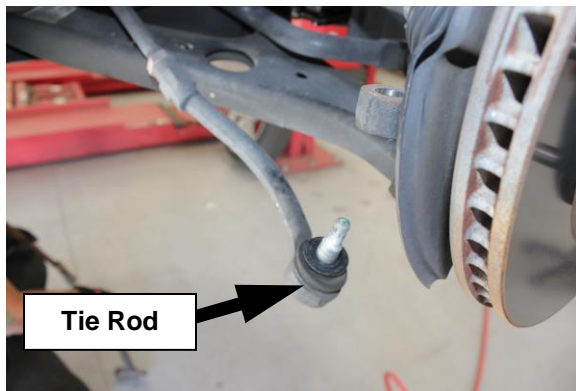


Photo 6

3. Disconnect the left and right side tie rods from the knuckle as shown. (See Photos 3, 4, 5 & 6)



Photo 7

4. Disconnect the left and right side end links from the factory anti roll bar. (See Photo 7)

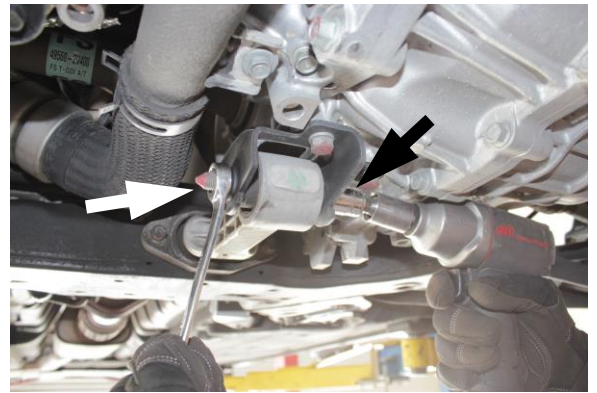


Photo 8

5. Loosen and remove the hardware that secures the trans mount bracket to the subframe mount as shown. (See Photo 8)



Photo 9

6. Disconnect the exhaust hanger grommet as shown. (See Photo 9)



Photo 10

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



Photo 11

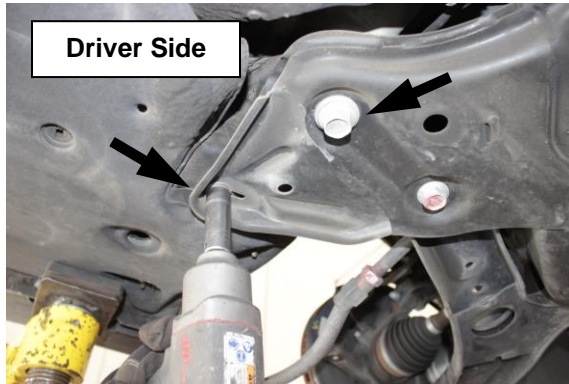


Photo 12

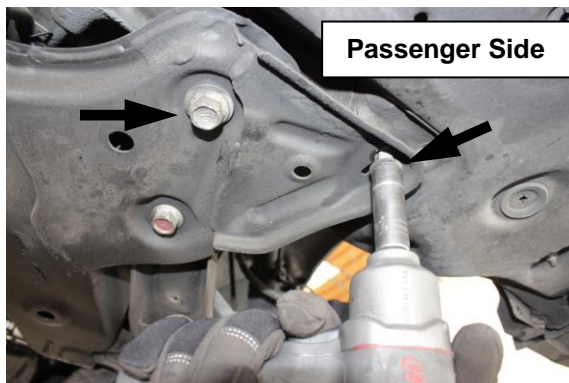


Photo 13

8. Remove the forward left and right side subframe attachment nuts as well as the rear subframe bolts.
Note: Be sure the subframe jack has a little bit of tension on the subframe. (See Photos 11, 12 & 13)



Photo 14

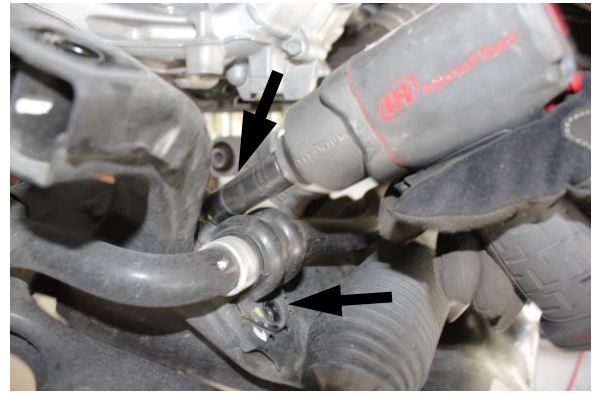


Photo 15

9. Slowly lower the suframe just enough to access and remove the bushing brackets. (See Photos 14 & 15)

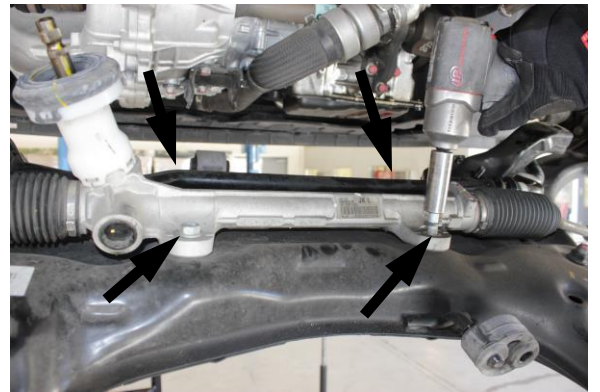


Photo 16



Photo 17

10. Loosen and remove the four bolts that secure the steering rack, then, remove the steering rack as shown. (See Photos 16 & 17)



Photo 18

11. You can now remove the OE bar from the vehicle. **Note: Be sure to note the orientation of the OE bar as the Eibach bar will be reinstalled in the same orientation. (See Photo 18)**

EIBACH FRONT BAR INSTALLATION



Photo 19



Photo 20

1. 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 19 & 20)**

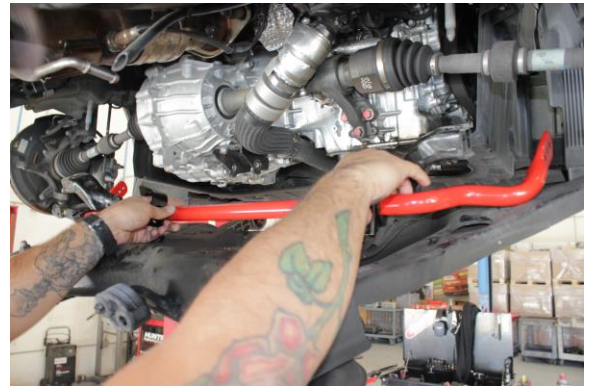


Photo 21



Photo 22



Photo 23

2. Install the bar and secure it to the subframe using the provided Eibach brackets and OE hardware as shown. **(See photos 21, 22 & 23)**



Photo 24

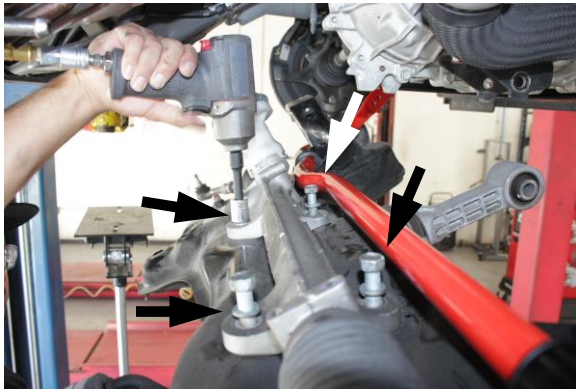


Photo 25

3. Re-install the steering rack and secure it with the OE hardware as shown (See Photos 24 & 25)



Photo 26



Photo 27

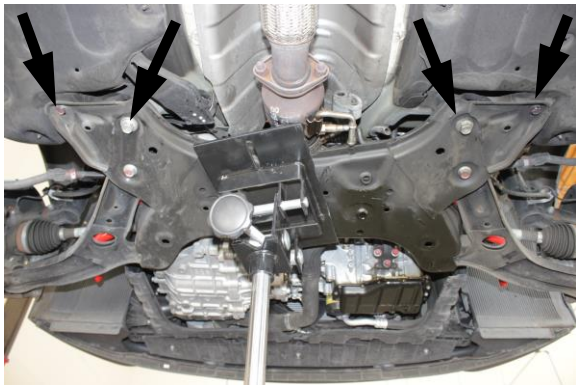


Photo 28

4. Slowly raise the subframe and secure the forward left and right side mounts with the OE hex nuts, then secure the rearward mount using the OE screws. (See Photos 26, 27 & 28)

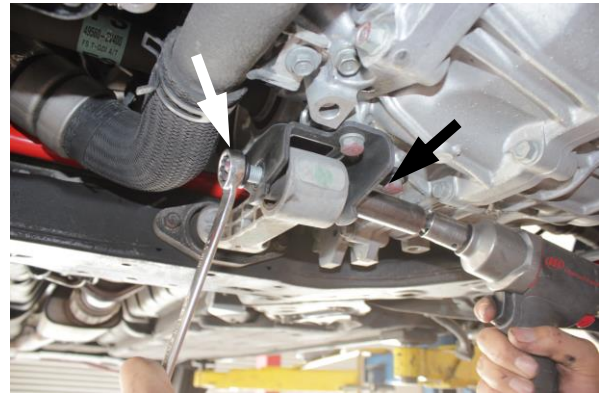


Photo 29

5. Secure the subframe mount to the trans mount bracket with the OE hardware. (See Photo 29)

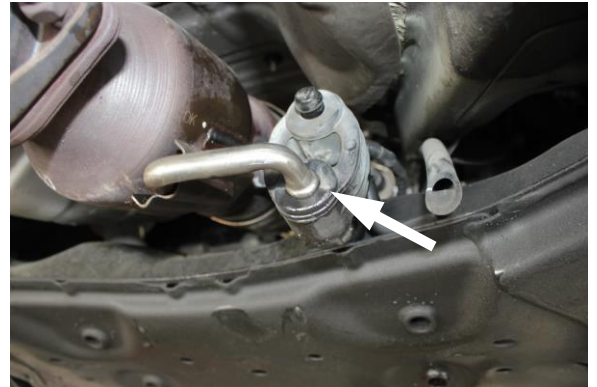


Photo 30

6. Secure the OE exhaust hanger as shown. (See Photo 30)



Photo 31

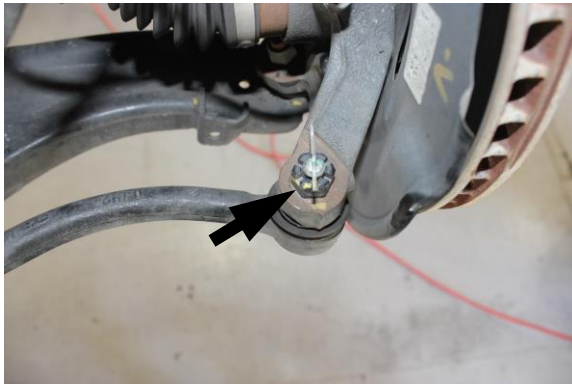


Photo 32

7. Secure the left and right side tie rods with the OE castle nut and cotter pin. **(See Photos 31 & 32)**



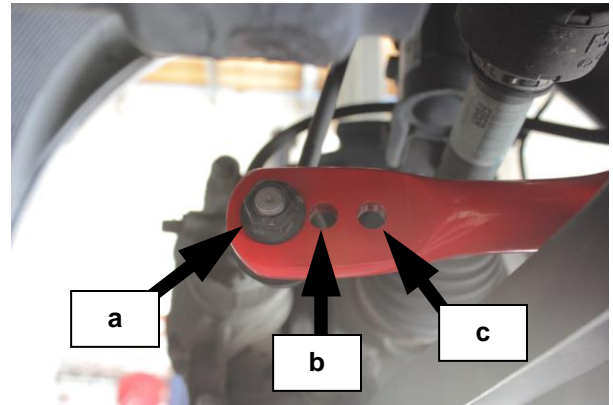
Photo 33

8. Reconnect the end link to the Eibach anti roll bar using the OE hardware as shown. **(See Photo 33)**



Photo 34

9. 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 34)**
10. Double check to make sure everything is properly positioned and tightened, then, reinstall the underbody cover using the OE hardware.
11. After road testing, double check all hardware to make sure everything is properly tightened.



TUNING YOUR EIBACH FRONT BAR

FRONT

- a) Full Rear / Softest Setting.
 - **Reduces** under-steer
 - Use in rain or on slick roads.
 - Use on rough or bumpy roads.
 - Increases comfort.
- b) Mid Setting / Street Performance Setting.
 - Tuning out under or over-steer.
 - For normal driving conditions.
 - Dry street driving.
 - Use with additional trunk weight.
- c) Full Forward / Firmest Setting.
 - **Reduces** over-steer
 - Use on dry roads and tracks.
 - Use on smooth roads and tracks.
 - Do not use on wet or slick roads.