

# Installation Instructions

## **Anti-Roll-Kit # E40-46-035-01-01**

**2018 Kia Stinger, AWD, 3.3L**

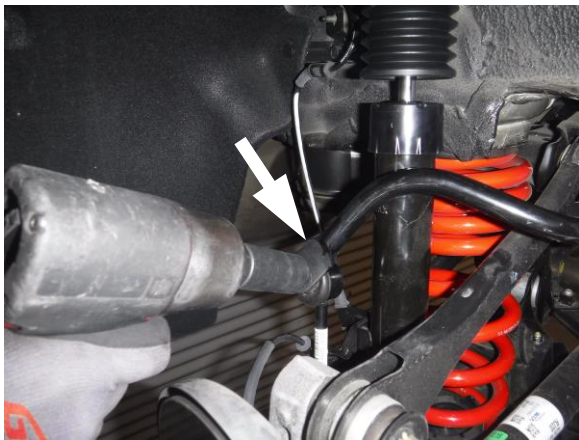
Kit Contents	Description	Part Number	Qty
	Rear Bar	AS41-46-035-01-RA	1
	Anti-Roll Hardware Kit	AK41-46-035-01-RA	1
	Instructions	E40-46-035-01-01INST	1

### **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.

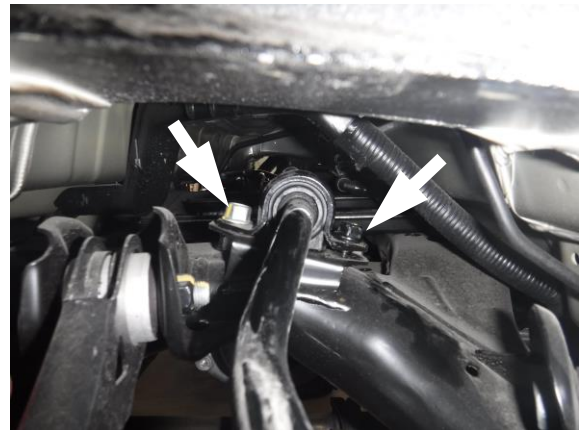
### **FACTORY REAR BAR REMOVAL**

1. Raise the vehicle and support it with the proper safety equipment. **Note: Never work on or under a vehicle that is not supported by the proper safety equipment.**



**Photo 1**

2. Disconnect both the left and right side end links from the ends of the OE anti roll bar. (See **Photo 1**)



**Photo 2**

3. Loosen and remove the hardware that secures both the left and right side bushing brackets as shown. (See **Photo 2**)



**Photo 3**

**Photo 1**



Photo 4

4. You can now slide the bar out the driver side of the vehicle as shown. **(See Photos 3 & 4)** **Note: Be sure to note the orientation of the OE anti-roll bar as the Eibach bar will be installed in the same orientation.**

## EIBACH REAR BAR INSTALLATION



Photo 5



Photo 6

1. Apply some poly lubricant to the inside of the supplied Eibach bushings, then, install the bushings onto the eibach bar in roughly the same spacing as the OE bar. **(See Photos 5 & 6)**



Photo 7



Photo 8

2. You can now install the Eibach bar in the reverse of the removal of the OE bar. **Note: Be sure to reinstall the bar in the same orientation as the OE bar as specified in step 4 of the removal process. (See photos 7 & 8)**

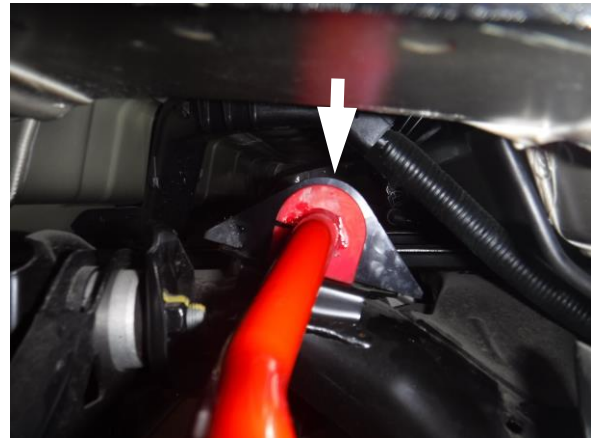
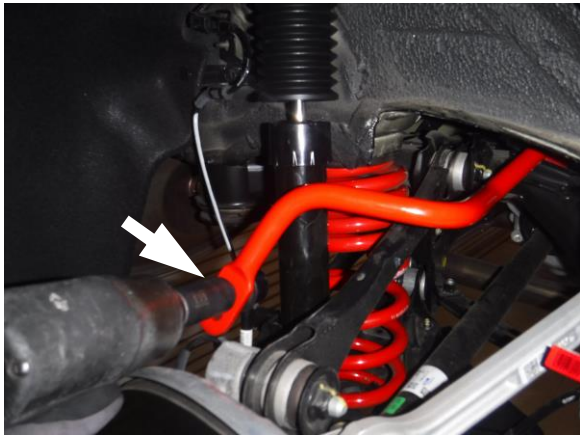


Photo 9

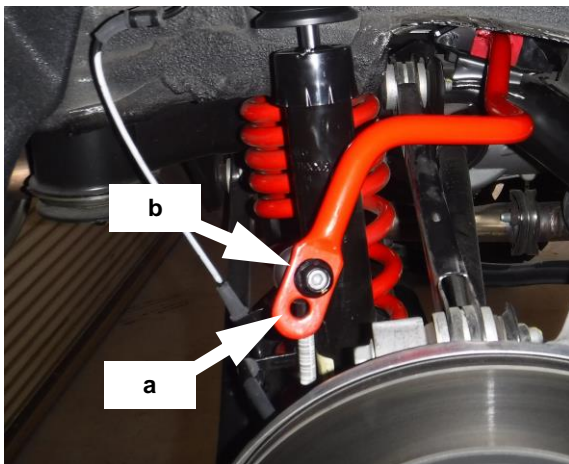
3. Install the provided Eibach bushing brackets and secure with the OE hardware. **(See Photo 9)**



**Photo 10**

4. Secure the end links to the ends of the Eibach bar as shown. **(See Photo 10)**
5. Double check to make sure everything is properly positioned and tightened, then, do a road test and listen for any noises and retighten if necessary.

### **Tuning The Rear Bar.**



- a) Softest Setting.
  - Reduces over-steer
  - Use in rain or on slick roads.
  - Use on rough or bumpy roads.
  - Increases comfort.
- b) Firmest Setting.
  - Reduces under-steer
  - Use on dry roads and tracks.
  - Use on smooth roads and tracks.
  - Do not use on wet or slick roads

# Installation Instructions

## **PRO-KIT # E10-46-035-01-22**

**2018+ Kia Stinger, GT, AWD, 3.3L**

Kit Contents	Description	Part Number	Qty
	Front Spring	F11-46-035-01-FA	2
	Rear Spring	F11-46-035-01-RA	2
	Information Kit	EPAK	1
	Instructions	E10-46-035-01-22INST	1

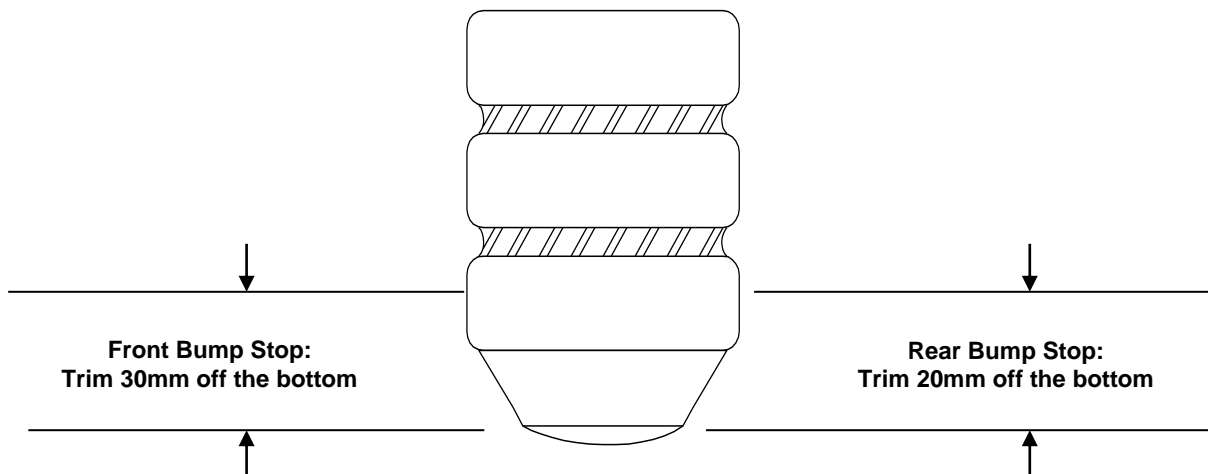
### NOTES: Read All Instructions Before Beginning Installation

- **Only qualified mechanics experienced in the installation and removal of suspension components should perform this installation.**
- **Use** of a hoist 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.
- **PRO-KIT** springs should be installed with the Eibach Logo right side up. All original stock spring isolators, dampers and tubing should be retained from the stock springs and used when installing the **PRO-KIT** Springs.
- **After** installation, it is always important to inspect and adjust the following if necessary:
  - Wheel alignment such as camber, caster & toe
  - Tire and/or wheel fender clearance, when aftermarket tires and wheels are used.
  - Brake line clearance and attachments
  - Brake anti-locking and anti-skid system sensors
- **Tire Rotation:** In order to increase the life of your tires, it is recommended to rotate your tires every 3,000 miles.
- **For MacPherson Strut type front suspension,** it is important to mark the orientation of the upper perch with respect to the lower perch before disassembly. This orientation must remain the same with the installation of the Pro Kit springs. Noise may result if this procedure is not performed correctly.

### Bump Stop Modification Instructions

Typical Bump-Stop

(Bump-Stop from your vehicle may have different shape)



# Installation Instructions

## **Anti-Roll-Kit # E40-46-035-01-10**

**2018+ Kia Stinger, GT, 3.3L, AWD & RWD**

Kit Contents	Description	Part Number	Qty
	Front Bar	AS41-46-035-01-FA	1
	Anti-Roll Hardware Kit	AK41-46-035-01-FA	1
	Bushing	ES5340.01	2
	Bracket	UB0020	2
	Spacer	UB0077	2
	Instructions	E40-46-035-01-10INST	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**

1. Begin by raising the vehicle and supporting 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 1**



**Photo 2**



**Photo 3**

2. Loosen and remove the miscellaneous clips and hardware that secures the underbody cover, then, remove the cover as shown. **(See Photos 1, 2 & 3)**

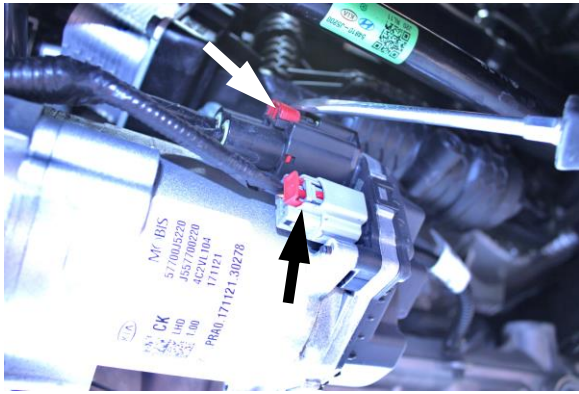


Photo 4

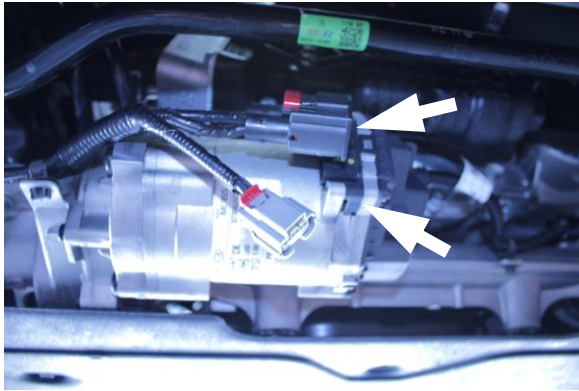


Photo 5

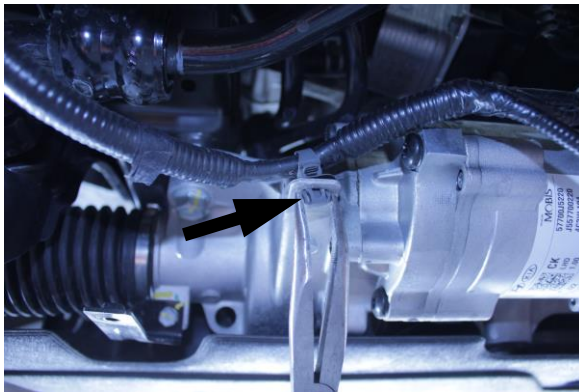


Photo 6



Photo 7

3. Disengage and disconnect the power steering electrical connections and unclip the harness as shown. (See Photos 4, 5, 6 & 7)

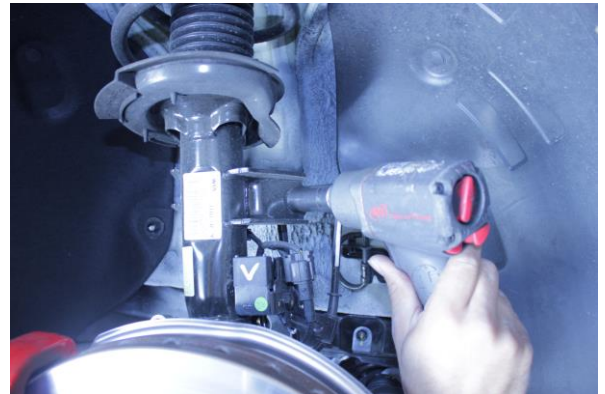


Photo 8

4. Loosen and remove the hardware that secures the end links from both the left and right side struts. (See Photo 8)



Photo 9



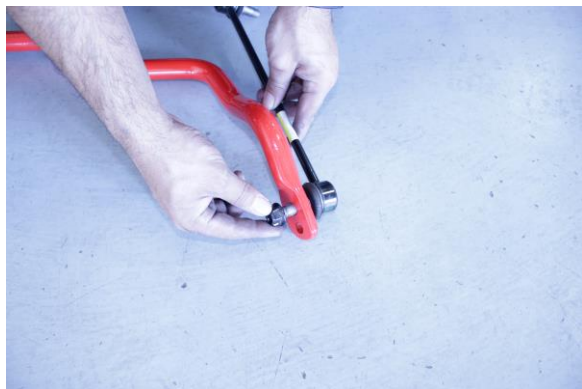
Photo 10

5. Loosen and remove the hardware that secures the bushing brackets to the frame, then, remove the bar from the vehicle. **Note: Be careful to note the orientation of the OE bar, as the Eibach bar will be installed in the same orientation.** (See Photos 9 & 10)

## EIBACH FRONT BAR INSTALLATION



**Photo 11**



**Photo 12**



**Photo 13**

1. Remove the end links from the ends of the OE bar and install them onto the ends of the Eibach bar as shown. (See Photos 11, 12 & 13)



**Photo 14**

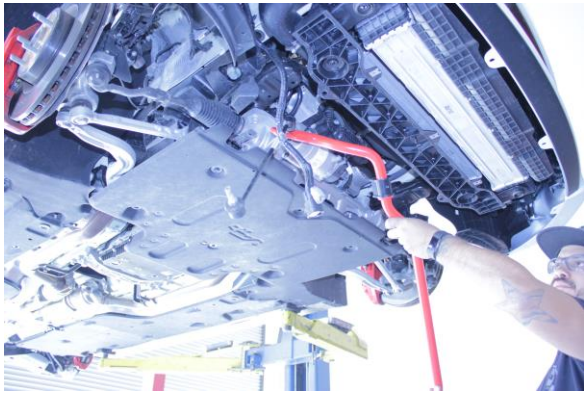


**Photo 15**

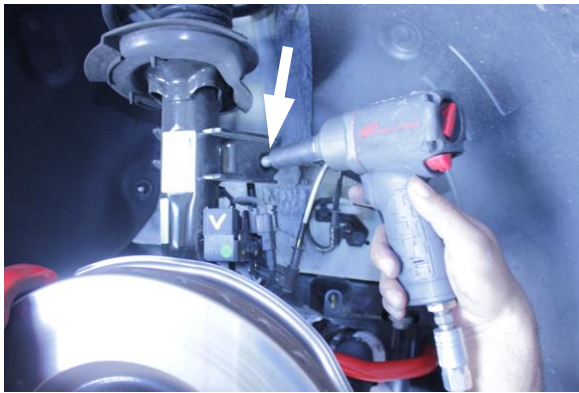


**Photo 16**

2. 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 14, 15 & 16)



**Photo 17**



**Photo 18**

3. Install the Eibach bar and secure the end links to the brackets on the strut as shown. (See Photos 17 & 18)



**Photo 19**

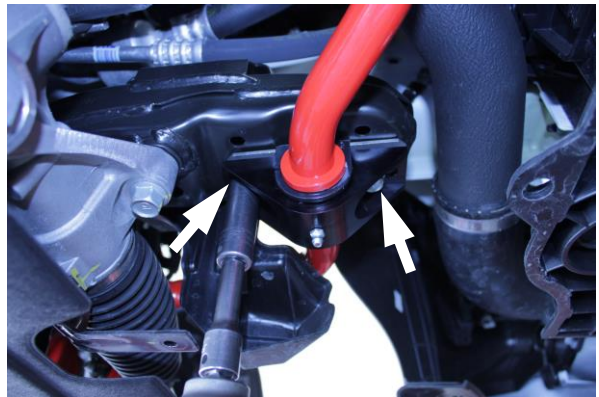


**Photo 20**

4. Thread and secure the provided zerk fitting into the Eibach bushing bracket as shown. (See Photos 19 & 20)



**Photo 21**



**Photo 22**

5. Install the provided spacer and bushing bracket, then, secure the bar using the OE hardware. (See Photos 21 & 22)



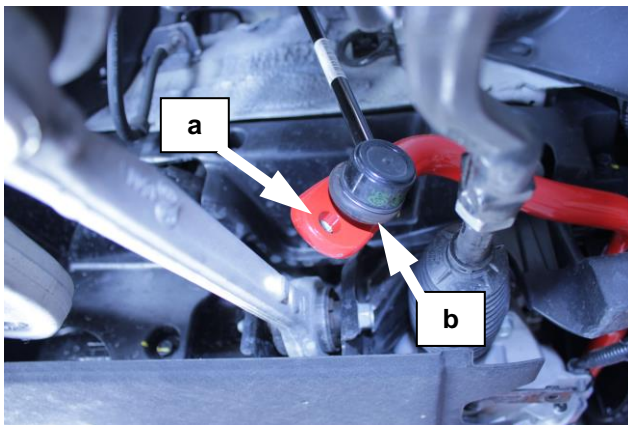
**Photo 23**

6. Reconnect the power steering electrical connections. (See Photo 23)





7. Double check to make sure everything is properly positioned and tightened, then, reinstall the underbody cover using the OE hardware.
8. After road testing, double check all hardware to make sure everything is properly tightened.



### **EIBACH FRONT BAR ADJUSTMENT**

- a) Softest Setting.
  - **Reduces** under-steer
  - Use in rain or on slick roads.
  - Use on rough or bumpy roads.
  - Increases comfort.
- b) 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.