

Installation Instructions

Eibach Springs, Inc. • 264 Mariah Circle • Corona, California 92879-1751 • USA • Tech Support 800-222-8811 Ext 114



Eibach Multi-Pro Coilovers R1 - #5705.712 2007-2010 Mini Cooper, Including "S"

Kit Contents	Description	Part Number	Qty
	Front Coil Over Assembly	5706.8500	2
	Rear Coil Over Assembly	5705.8600	2
	Bracket, ABS Brake	8000302	2
	Bracket, ABS – Left	8000316	1
	Bracket, ABS – Right	8000335	1
	Spacer, wheel	8000323	2
	Height adjustment tool	PDK.TOOL	2
	Rebound adjustment tool	PDR.TOOL	1

NOTES: Read All Instructions Before Beginning Installation

- **Installation of a Eibach Multi-Pro Coil-Over** set should only be performed by a qualified mechanic experienced in the installation and removal of suspension componentry.
- **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 guns** to install or remove shock absorber piston components, shafts and piston rod nuts.
- **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.
 - Brake line clearance and attachments.
 - Brake anti-locking and anti-skid system sensors.
- **Alignment:** After installation, you will need a full vehicle alignment to ensure proper tire wear and performance.
- **Height Adjustment** – Should be performed with the wheels completely off the ground and with the springs fully unloaded.

Tightening torque for piston rod nut									
Thread Size	Nm	ft-lb	Thread Size	Nm	ft-lb	Thread Size	Nm	ft-lb	
M8	25	18	M12 x 1.25	35	26	M14 x 1.50	50	37	
M10 x 1.0	20	15	M12 x 1.50	40	29	M16 x 1.50	50	37	
M10 x 1.25	20	15							



FRONT SUSPENSION REMOVAL

1. Raise the vehicle off the ground and firmly support it with safety stands. **NOTE: Do not work underneath the car without the proper safety equipment**
2. After the vehicle is raised and supported at the frame by safety stands or a hoist, remove the front tires.
3. Remove the nut that secures the sway bar end link to the strut. **(See Photo 1)**
4. Unclip the misc. hoses from the front of the strut. **(See Photo 2)**

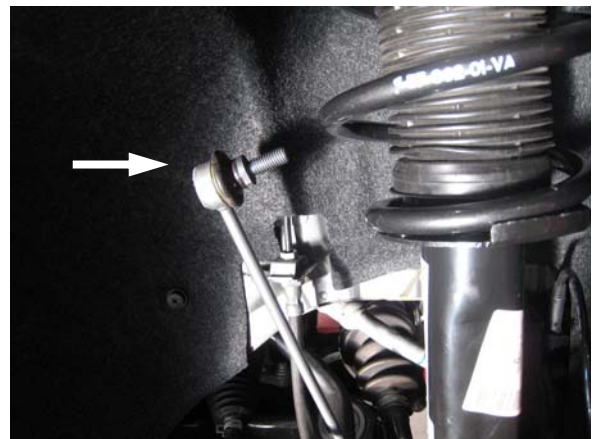


Photo 1



Photo 2



Photo 3

5. Loosen and remove the pinch bolt that secures the strut to the spindle as shown. **(See Photo 3)**



Photo 4

6. Remove the three nuts from the strut tower. **(See Photo 4)**



Photo 5

7. It may be necessary to use a strut spreader tool to remove the strut from the spindle. **(See Photo 5)**



8. You can now remove the strut from the vehicle. **(See Photo 6)**

9. Remove the OE upper strut mount and the OE washer located between the OE strut mount and the OE spring seat as it will be re-used on the Eibach coilovers.

FRONT SUSPENSION INSTALLATION

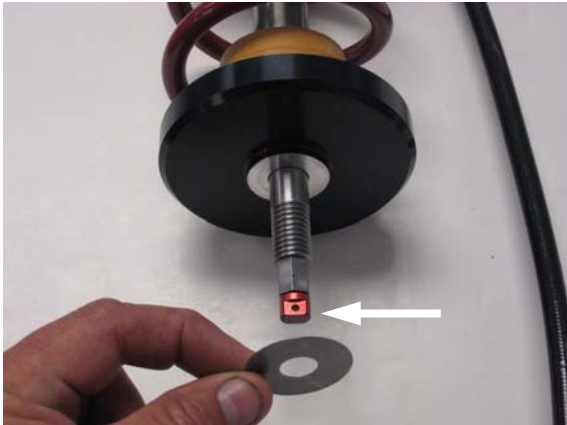


Photo 7

10. Install the OE washer onto the Eibach Multi-Pro Coilover as shown. **(See Photo 7)**



Photo 8

11. Install the OE strut mount onto the Eibach Multi-Pro coil-over, then, install the provided spacer onto the shaft as shown. **(See Photo 8)**



Photo 9

12. Secure the OE strut mount to the Eibach Multi-Pro Coilover using the provided nylock nut as shown. **(See Photo 9)**



Photo 10

13. You can now Install the Eibach Multi-Pro Coilover into the vehicle in the reverse order of removal. **(See Photo 10)**
14. Secure the strut mount to the upper strut tower using the OE nuts.

15. Secure the end link to the coilover using the OE nut.
16. Secure the strut/spindle using the OE pinch bolt removed in step 5.
17. This concludes the installation of the front coilovers.

REAR SUSPENSION REMOVAL

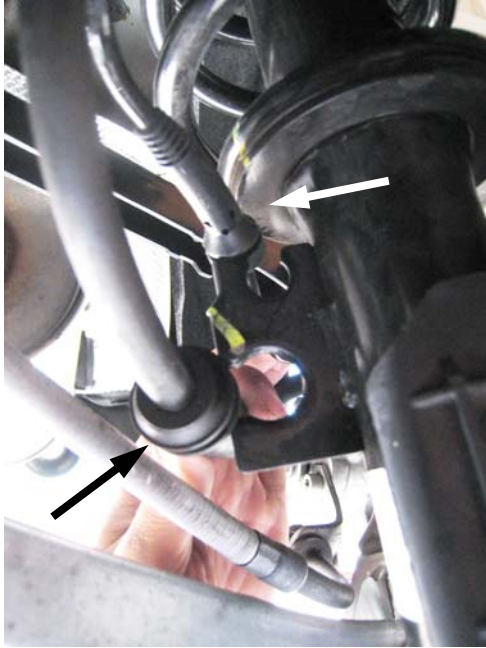


Photo 11

1. Unclip the misc. hoses from the bracket on the rear struts. **(See Photo 11)**



Photo 12

2. Remove the bolts that secure the upper strut mount as shown. **(See Photo 12)**



Photo 13



Photo 14

3. Remove the bolt that secures the lower mount and then remove the OE strut. **(See Photos 13 & 14)**

REAR SUSPENSION INSTALLATION



Photo 15



Photo 16

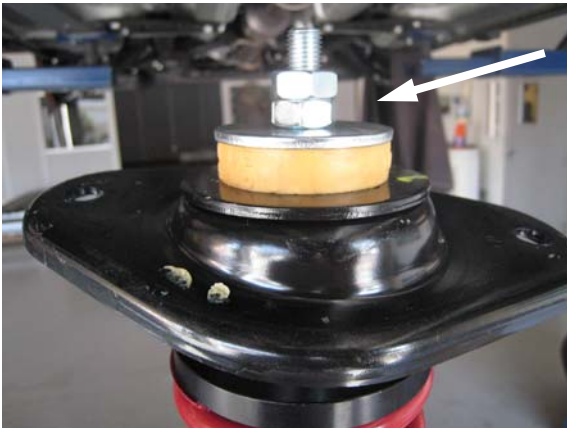


Photo 17

4. Remove the OE upper strut mount from the OE shock, then, install it on the new Eibach Multi-Pro Coilover as shown, then, secure it with the provided hardware. (See Photos 15, 16 & 17)



Photo 18

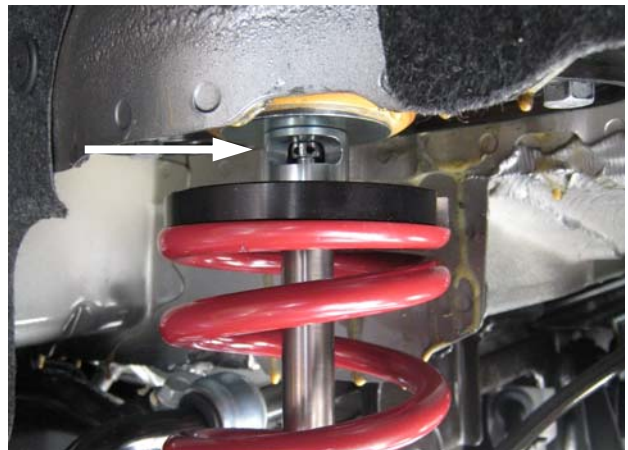


Photo 19

5. Install the Eibach Multi-Pro Coilover into the vehicle and secure the upper mount using the OE bolts removed in the earlier step. **Note: Make sure the rebound adjustment window is facing out towards the wheel for ease of adjustment.** (See Photos 18 & 19)



Photo 20

6. Place the provided washer onto the mount as shown. **(See Photo 20)**



Photo 21

7. Secure the lower shock mount using the OE bolt as shown. **(See Photo 21)**

COMPRESSION AND REBOUND SETTINGS

1. The shocks in this kit are adjustable for compression and rebound dampening forces. The following steps explain the adjustable features of this kit.
2. Front Adjustment: Turning the compression/rebound adjustment in a clockwise or (+ pos.) direction increases the compression/rebound forces and turning the adjustment in a counterclockwise or (- neg.) direction decreases the compression/rebound forces. **Note: The front adjustment is located on the Upper Strut shaft. (See arrow Photo 7)**

Rear Adjustment: Turning the adjustment to the right increases the compression/rebound forces and turning the adjustment to the left will decrease the compression/rebound forces. **Note: The rear adjustment is located at the top of the shock (See Photo 19)**

