

# Installation Instructions

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



## Eibach Multi-Pro R1 Coilovers - #6049.712

2008-2009 Mitsubishi Lancer, Evolution X, Incl GSR & MR

Kit Contents	Description	Part Number	Qty
	Front Coil Over Assembly	6049.8500	2
	Rear Coil Over Assembly	6049.8400	2
	Height adjustment tool	PDK.TOOL	1
	Rebound 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. Loosen and remove the nuts that secure the strut to the upper strut tower.
4. Remove the nut that secures the brake line bracket to the back of the strut. **(See Photo 1)**



Photo 1

5. Loosen and remove the two bolts/nuts that secure the strut to the spindle and remove the complete strut assembly from the vehicle.
6. Remove the OE upper mount from the OE strut.  
**Note: Be sure to use a spring compressor before removing the OE strut rod nut or serious injury may result.**
7. Repeat this process on the opposite side.

## FRONT SUSPENSION INSTALLATION



Photo 2



Photo 3



Photo 4

8. Install the OE upper mount removed in step 6 onto the Eibach Multi-Pro Coilover, then install the provided spacer and nut as shown. (See Photos 2, 3, and 4)

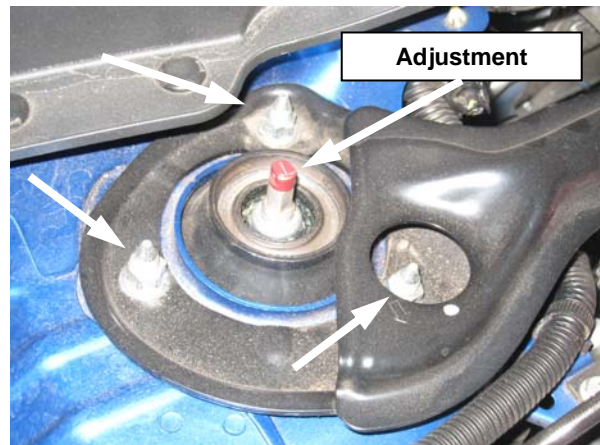


Photo 5

9. Install the Eibach coil-over into the vehicle and secure it to the upper strut tower using the OE nuts removed in step 3. (See Photo 5)



**Photo 6**

- Secure the lower strut mount to the knuckle using the OE bolts and nuts. **(See Photo 6)**



**Photo 7**

- Secure the brake line bracket to the back of the strut using the OE nut. **(See Photo 7)**
- This concludes the installation of the front coil-overs.

## REAR SUSPENSION REMOVAL

- Remove the upper shock mount nuts.
- Disconnect the lower shock mount bolt, then, remove the OE shock.
- Remove the upper mount from the OE shock as this will be reused on the new Eibach Multi-Pro coilover. **Note: Be sure to use a spring compressor to remove the OE strut rod nut or serious injury may result.**

- Remove the upper spring isolator pad from the OE upper mount as this will not be re-used.

## REAR SUSPENSION INSTALLATION



**Photo 8**

- Install the OE upper mount removed in step 3 onto the spherical bushing as shown. **(See Photo 8)**



**Photo 9**

- You can now install the upper bushing and washer onto the strut rod and secure with the provided hardware as shown. **(See Photo 9)**





Photo 10

7. Install the shock into the vehicle and secure the upper mount using the OE nuts removed in step 1. **(See Photo 10) Note: be sure to make sure the adjustment window is facing outwards towards the wheel for ease of adjustment.**

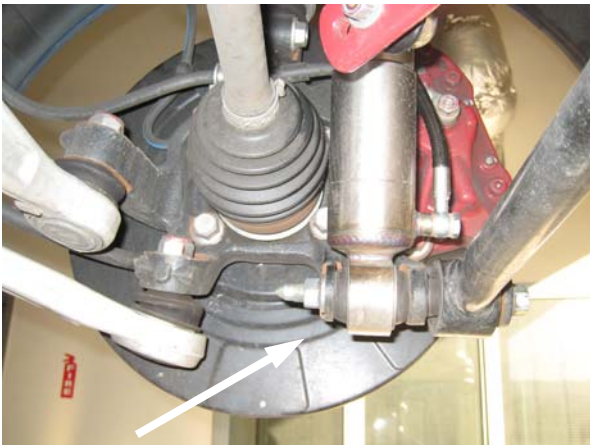


Photo 11

8. Secure the lower mount using the OE bolt. **(See Photo 11) Note: Make sure the reservoir line is facing the rear of the vehicle.**
9. This concludes the installation of the rear coil-overs.

#### 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. Likewise turning the knob in a counterclockwise or (- neg.) direction decreases the compression/rebound forces. **Note: The front adjustment is located on the Upper Strut shaft. (See Photo 5)**
3. 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 just above the spring. (See Photo 10)**

