

# PRO STREET-S | INSTALLATION INSTRUCTIONS



Eibach Springs, Inc. | 256 Mariah Circle | Corona | California 92879-1751 | USA  
 T +1 951-256-8300  
 www.eibach.com

## 2001-06 BMW M3, E46, 6 Cyl, Incl. Convertible

### PARTS & HARDWARE LIST

Part Number	Description	Qty	Part Number	Description	Qty		
A	2072.8100L	DAMPER ASSY, FRONT LEFT	1	G	PDK6.TOOL	6MM ADJUSTMENT TOOL	1
B	2072.8100R	DAMPER ASSY, FRONT RIGHT	1				
C	2072.8200	DAMPER ASSY REAR	2				
D	0600.250.0450	SPRING, REAR	2				
E	UB0470-160.0	END LINKS, ADJUSTABLE	2				
F	PDK4.TOOL	4MM ADJUSTMENT TOOL	1				

### PARTS IDENTIFIER



### NOTES: Read All Instructions Before Beginning Installation

- **Installation of a Eibach Pro Street S Coil-Over set** should only be performed by a qualified mechanic experienced in the installation and removal of suspension components.
- **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

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### FRONT SUSPENSION REMOVAL

1. Raise the car off the ground and make sure it's properly supported with jack stands. **Note: Never work on or underneath a car that is not properly supported with safety stands.**
2. Remove the wheels from the vehicle.



Photo 1

3. Loosen and remove the hardware that secures the end links to the OE strut as well as the anti roll bar. **Note: The end links will not be reused as new end links are provided with the Pro Street S kit. (See Photo 1)**



Photo 2

4. Unclip the electrical connection from the inner fender. Note, this is done to prevent any stretch or damage to the electrical lines. **(See Photo 2)**



Photo 3

5. Remove the bolt that secures the wheel speed sensor to the spindle, then, detach the sensor from the spindle and move it out of the way. **Note: This is done to prevent any stretching or damage to the sensor line. (See Photo 3)**



Photo 4

6. Remove the pinch bolt. **(See Photo 4)**



Photo 5



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Photo 6



Photo 9

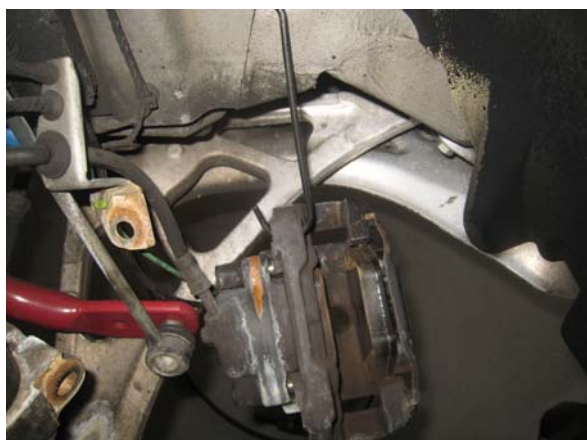


Photo 7

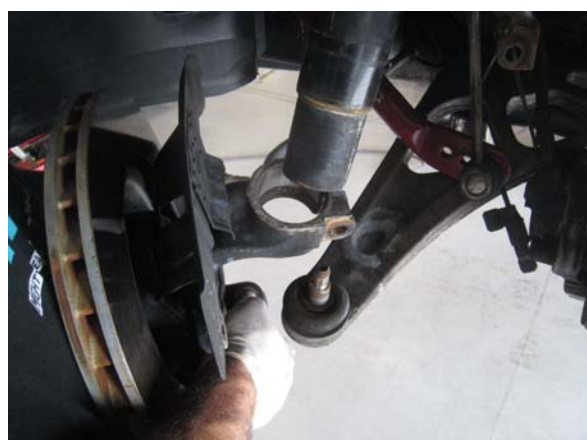


Photo 10

7. Use some sort of hook/hanger, then, remove the bolts that secure the brake caliper to the spindle and hang the caliper on the hook as shown. **Note: This is done to prevent any stretching or damage to the brake line. (See Photos 5, 6 & 7)**



Photo 8



Photo 11

8. Remove the nut that secures the ball joint to the spindle, then, push the lower control downward until the ball joint is free of the spindle. Now slide the spindle off the bottom of the strut, then, hang it onto the control arm with the OE nut, but do not tighten. **(See Photos 8, 9, 10, & 11)**

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Photo 12



Photo 13

9. Loosen and remove the hardware that secures the strut mount to the strut mount tower, then, remove the strut from the vehicle. (See Photos 12 & 13)



Photo 14

10. Using a spring compressor, remove the OE upper spring seat as this will be reused for the installation of the Eibach Pro Street S Coilovers. (See Photo 14)



Photo 15



Photo 16

11. Remove the OE bearing from the upper spring seat. **Note: The OE bearing will be re-used for the installation of the Eibach Pro Street S front coilovers. (See Photos 15 & 16)**



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## 2001-06 BMW M3, E46, 6 Cyl, Incl. Convertible FRONT SUSPENSION INSTALLATION



Photo 17



Photo 18



Photo 19



Photo 20

1. Install the OE bearing into the Eibach spring adapter, then, secure the OE upper strut mount to the coilover using the OE hardware. **(See Photos 17, 18, 19 & 20)**



Photo 21

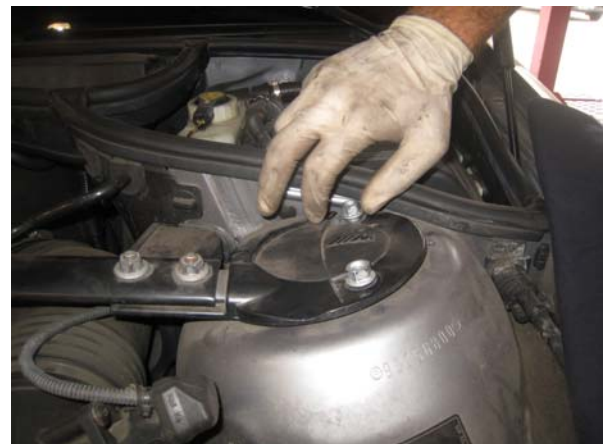


Photo 22

2. Install the Eibach Pro Street S coilover assembly, making sure to line up upper mount with the factory

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strut tower mount using the OE hardware. (See Photos 21 & 22)



Photo 23

- Slide the knuckle onto the bottom of the Eibach Pro Street S Coilover, making sure it is fully engaged, then, use a floor jack to support the lower control arm. **Note: Do not tighten at this time.** (See Photo 23)



Photo 24



Photo 25

- Secure the brake caliper to the knuckle using the OE hardware. (See Photos 24 & 25)

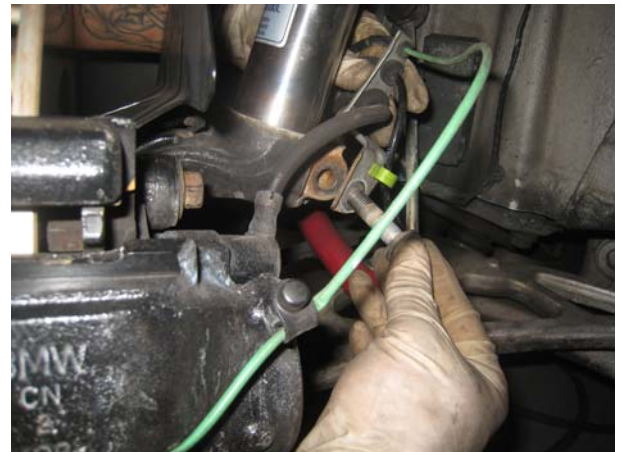


Photo 26



Photo 27

- Secure the knuckle to the coilover using the OE pinch bolt. (See Photos 26 & 27)



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Photo 28

6. Tighten the ball joint. (See Photo 28)



Photo 29

7. Secure the wheel speed sensor using the OE hardware. (See Photo 29)



Photo 30

8. Secure the electrical connections into the junction box as shown. (See Photo 30)



Photo 31



Photo 32

9. Install the provided end links using the provided hardware as shown. (See Photos 31 & 32)
10. Double check for clearance and to make sure everything is properly positioned.
11. Repeat this procedure on the opposite side.

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### REAR SUSPENSION REMOVAL



Photo 33

1. Using a screw or floor jack, support the rear suspension, then, loosen and remove the bolt that secures the lower shock mount. (See Photo 33)



Photo 34

2. With the lower shock mount disconnected, you should now be able to remove the OE spring as shown. (See Photo 34)



Photo 35



Photo 36



Photo 37

3. To remove the rear shocks, you will need to remove the interior panels located in the trunk, then, loosen and remove the hardware that secures the upper shock mount. (See Photos 35, 36 & 37)



Photo 38

4. Remove the OE upper shock mount as this will be re-used for the installation of the Eibach dampers. (See Photo 38)



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## REAR SUSPENSION INSTALLATION



Photo 39



Photo 40



Photo 41

1. Apply some Loctite to the provided hardware, then, secure the Eibach adjustable spring seat/collar to the control arm as shown. (See Photos 39, 40, & 41)



Photo 42

2. Install the Eibach Pro Street S spring and upper isolator as shown. (See Photo 42)



Photo 43



Photo 44

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Photo 45



Photo 47

- Secure the OE upper mount to the Eibach Pro Street S damper, then, secure the damper to the upper mount as shown. (See Photos 43, 44, & 45)



Photo 46

- Raise the suspension upwards making sure to line up the upper spring isolator with the upper spring perch, then, secure the lower shock mount to the knuckle as shown. **Note: Do not tighten at this time.** (See Photos 46 & 47)
- Double check for clearance and to make sure everything is properly positioned, then, tighten all hardware to factory specs.
- Repeat this procedure on the opposite side.

### 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						