

Installation Instructions

Eibach Inc. 264 Mariah Circle Corona, CA 92879
USA Tech Support 800-507-2338 ext. 114



E80-51-021-01-22

Jeep Grand Cherokee WK2

Notes

Excludes Tow Package

Kit Contents

Description	Part Number	Quantity
F31-51-021-01-FA	Front Spring	2
28108.602	Rear Spring	2
E60-51-021-02-10	Pro-Truck Sport Shock Front Right	1
E60-51-021-03-10	Pro-Truck Sport Shock Front Left	1
E60-51-017-01-01	Pro-Truck Sport Shock Rear	2

Installation 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 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.
- All Eibach springs should be installed with the Eibach logo right-side-up. All original stock spring isolators and dampers should be retained from the stock springs when installing Eibach PRO-LIFT springs.
- After Installation, inspect and adjust the following: Wheel Alignment; tire/wheel fender clearance when using aftermarket wheels or tires; brake line clearance and attachments; anti-lock-brake 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 springs. Noise may result if this procedure is not performed correctly.

Installation Instructions

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***Pro-Damper* – # E60-51-021-03-10**

Note: The OEM spring perch will have to be removed from the OEM strut assembly and installed onto the Eibach Pro Truck Damper

Contents	Description	Part Number	Qty
	Damper Assy., Left	28122.8001L	1
	Spring Perch Spacer	8000592	1
	Nylock Nut	H63025700	1
	Information Kit	EPAK	1
	Installation Instructions	28122.8001LINST	1



NOTES: Read All Instructions Before Beginning Installation

1. Park vehicle on level surface and set emergency brake. Raise and support the vehicle with safety stands. Refer to factory manual for proper location of safety stands.
2. Power washing your chassis will make the installation cleaner.
 - **NOTE:** Never work on or under a vehicle unless it is properly supported by safety stands.
3. Loosen and remove the OE shock per the factory recommended removal procedure.
4. Installation of the Eibach Pro Damper shock should be done in the reverse order of removal.

Shock Instructions and Safety Tips

Installation

IMPORTANT NOTES:

- Any time you are working under a vehicle, be sure to use the proper jack stands and tire chocks to prevent any shifting or slipping of the car. Never use a jack only to support the vehicle while changing shocks.
- Inspect shock brackets or mounting points before installation to make sure they are not broken or bent.
- Do not attempt to disassemble these shocks. Return damaged shocks to EIBACH SPRINGS for any necessary service or repairs.

PLEASE READ THESE INSTRUCTIONS ENTIRELY BEFORE BEGINNING

- Proper installation is a must to realize the maximum performance improvements. Follow these steps carefully.

USE THE RIGHT SHOCK FOR YOUR VEHICLE

- Use EIBACH SPRINGS shocks only for the applications for which they are listed. Each shock is specifically tuned for that vehicle's weight, suspension geometry, and other characteristics.
- Compare original shock mounting style and hardware with your new shocks before starting installation. If original hardware is not reusable, it should be replaced with OEM quality and style hardware.
- Shocks are tuned to vehicle manufacturer's recommendation for tire pressure, not necessarily the max inflation pressure listed on sidewall of tire.

IMPORTANT INSTALLATION NOTES

- If you are uncertain of proper shock installation procedure, please consult appropriate service manual. Torque all fasteners to vehicle manufacturer's specs. Note: On Post Mount shocks, finger tighten nut to achieve zero clearance between the retaining washers and the bushings, then continue to tighten approximately 5-6 turns to achieve proper pre-load. Bushings should be slightly bulged. Secure with Jam Nut. On some vehicles, nut may bottom out on stud before 5-6 turns, which is proper for those applications.
- OEM mounting hardware may be either standard or metric. Make sure you have the proper tools before starting. Do not interchange hardware. Use new mounting hardware provided with your shocks, and re-use original mounting hardware in all other locations.
- EIBACH SPRINGS shocks have a high-pressure nitrogen gas charge and may come with a restraining strap, which holds the shock in a compressed position. To ease most installations, leave the strap on until you have secured one end of the shock, then cut the strap and quickly guide the other end of the shock into position as it expands. Strap must be cut before some installations, such as when strap goes around post.
- Wire ties are provided to secure the shock boot to the shock body. On some installations (especially where the shock must pass through a hole in the lower control arm), it is necessary to put the wire tie on after the shock is installed.
- After installing shocks and before driving vehicle, check for clearance of exhaust, brake or gas lines, electrical wiring, etc.
- After installation, drive the vehicle cautiously for the first few miles to develop a feel for the improved handling and ride quality. After 10 miles, inspect installation, re-check torque on all fasteners, and verify adequate component clearance.



Front Spring Perch Installation (V8 only)

Remove the OE spring perch from the OE strut and install it onto the Eibach Pro Damper. **Note: The provided spacer is for use on V8 equipped vehicles only. (See Photos 1, 2 & 3)**



Photo 1



Photo 2

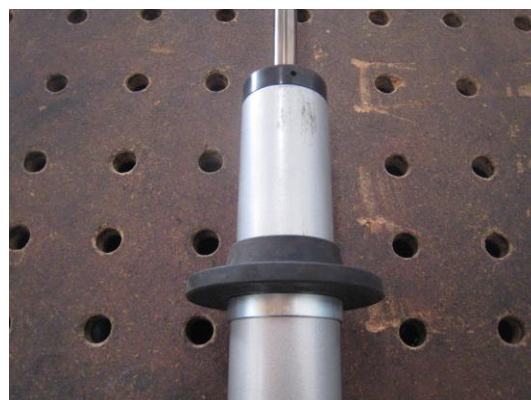


Photo 3

Note: The Spacer must be installed with the counterbore facing downward over the shoulder. Improper installation will cause permanent damage to the shock. (See Photo 2)

Front Spring Perch Installation (V6 only)

Remove the provided spacer from the Eibach Pro Damper, then, install the OE spring perch onto the Pro Damper as shown. **Note: The provided spacer must be removed for use on V6 equipped vehicles. (See Photos 4 & 5)**

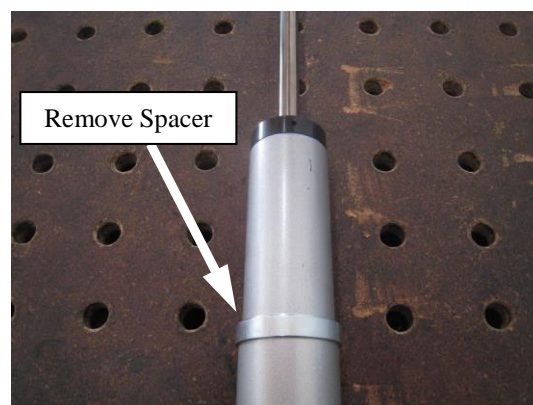


Photo 4

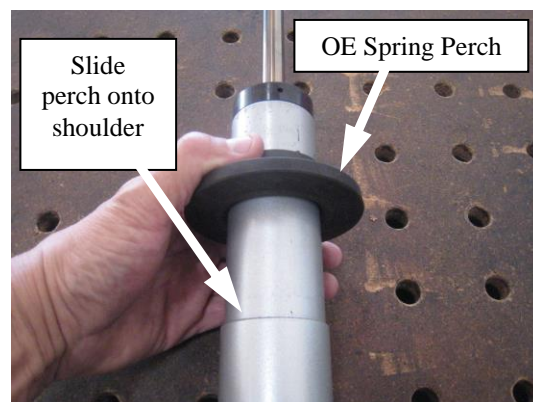


Photo 5

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***Pro-Damper* – # E60-51-021-02-10**

Note: The OEM spring perch will have to be removed from the OEM strut assembly and installed onto the Eibach Pro Truck Damper

Contents	Description	Part Number	Qty
	Damper Assy., Right	28122.8001R	1
	Spring Perch Spacer	8000592	1
	Nylock Nut	H63025700	1
	Information Kit	EPAK	1
	Installation Instructions	28122.8001RINST	1



NOTES: Read All Instructions Before Beginning Installation

1. Park vehicle on level surface and set emergency brake. Raise and support the vehicle with safety stands. Refer to factory manual for proper location of safety stands.
2. Power washing your chassis will make the installation cleaner.
 - **NOTE:** Never work on or under a vehicle unless it is properly supported by safety stands.
3. Loosen and remove the OE shock per the factory recommended removal procedure.
4. Installation of the Eibach Pro Damper shock should be done in the reverse order of removal.

Shock Instructions and Safety Tips

Installation

IMPORTANT NOTES:

- Any time you are working under a vehicle, be sure to use the proper jack stands and tire chocks to prevent any shifting or slipping of the car. Never use a jack only to support the vehicle while changing shocks.
- Inspect shock brackets or mounting points before installation to make sure they are not broken or bent.
- Do not attempt to disassemble these shocks. Return damaged shocks to EIBACH SPRINGS for any necessary service or repairs.

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- Proper installation is a must to realize the maximum performance improvements. Follow these steps carefully.

USE THE RIGHT SHOCK FOR YOUR VEHICLE

- Use EIBACH SPRINGS shocks only for the applications for which they are listed. Each shock is specifically tuned for that vehicle's weight, suspension geometry, and other characteristics.
- Compare original shock mounting style and hardware with your new shocks before starting installation. If original hardware is not reusable, it should be replaced with OEM quality and style hardware.
- Shocks are tuned to vehicle manufacturer's recommendation for tire pressure, not necessarily the max inflation pressure listed on sidewall of tire.

IMPORTANT INSTALLATION NOTES

- If you are uncertain of proper shock installation procedure, please consult appropriate service manual. Torque all fasteners to vehicle manufacturer's specs. Note: On Post Mount shocks, finger tighten nut to achieve zero clearance between the retaining washers and the bushings, then continue to tighten approximately 5-6 turns to achieve proper pre-load. Bushings should be slightly bulged. Secure with Jam Nut. On some vehicles, nut may bottom out on stud before 5-6 turns, which is proper for those applications.
- OEM mounting hardware may be either standard or metric. Make sure you have the proper tools before starting. Do not interchange hardware. Use new mounting hardware provided with your shocks, and re-use original mounting hardware in all other locations.
- EIBACH SPRINGS shocks have a high-pressure nitrogen gas charge and may come with a restraining strap, which holds the shock in a compressed position. To ease most installations, leave the strap on until you have secured one end of the shock, then cut the strap and quickly guide the other end of the shock into position as it expands. Strap must be cut before some installations, such as when strap goes around post.
- Wire ties are provided to secure the shock boot to the shock body. On some installations (especially where the shock must pass through a hole in the lower control arm), it is necessary to put the wire tie on after the shock is installed.
- After installing shocks and before driving vehicle, check for clearance of exhaust, brake or gas lines, electrical wiring, etc.
- After installation, drive the vehicle cautiously for the first few miles to develop a feel for the improved handling and ride quality. After 10 miles, inspect installation, re-check torque on all fasteners, and verify adequate component clearance.



Remove the OE spring perch from the OE strut and install it onto the Eibach Pro Damper. **Note: The provided spacer is for use on V8 equipped vehicles only. (See Photos 1, 2 & 3)**



Photo 1



Photo 2

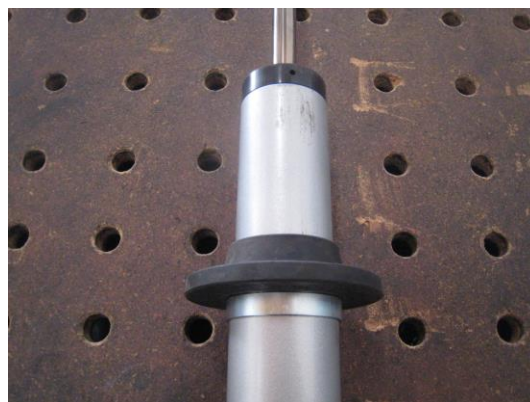


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Front Spring Perch Installation (V6 only)

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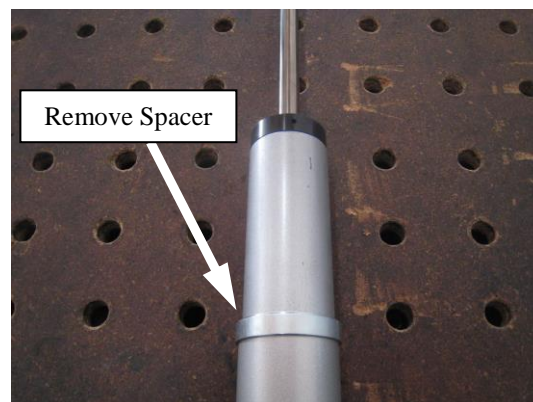


Photo 4

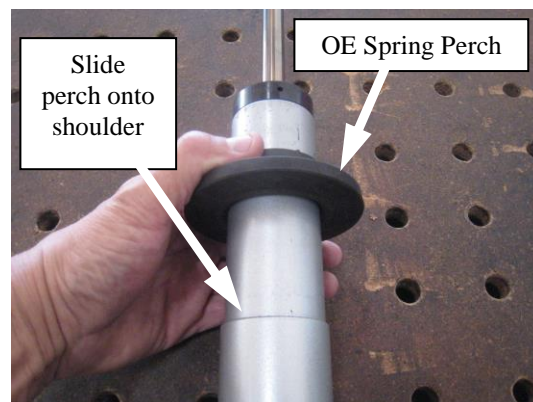


Photo 5

Installation Instructions

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Pro-Damper – # E60-51-017-01-01

Contents	Description	Part Number	Qty
	Damper Assy.	28108.8002.1	1
	Aluminum Bump Stop Cap	8000086	1
	Nylock Nut	H63075400	1
	Information Kit	EPAK	1
	Installation Instructions	28108.8002INST	1



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