

IRON ROCK OFF ROAD

Bilstein Shock Installation

1-877-919-JEEP www.ironrockoffroad.com

Instructions

Parts Checklist:

- Instructions
- Iron Rock Off Road Decal (1)
- Bilstein Shock Upgrade**
 - Front shock, short (2)
 - Rear shock, long (2)
- Optional: #3 – WJ Only Shocks Hardware (1)**
 - 12mm shock bolt sleeve 404739 (2)
 - 7/16" washer (6)
 - 5/16 x 1 hex bolt (4)
 - 5/16-18 hex nut (4)
 - 5/16 washer (8)
- Optional: #17 – WJ, ZJ Shock Hardware (1)**
 - Front barpin 403876 (2)
 - 12mm Shock sleeve 404739 (4)
 - SBL U-bracket 99000 (2)
 - 1/2 x 1 1/2 Hex bolt, gr8 (2)
 - 1/2 Hex nut, gr8 (2)
 - 1/2 Flat washer (2)
 - 1/2 Lock washer, gr8 (2)
 - 7/16 USS Flat Washer (6)
 - M12x60 Hex bolt, cl10.9 (2)
 - M12 Hex nut, cl10.9 (2)
- Optional: #18 XJ, TJ Shock Hardware (1)**
 - Front barpin 2.5" 403876(2)
 - Rear barpin 2.75" 404127 (2)
 - SBL U-bracket 99000 (2)
 - 12mm Shock sleeve 404739 (2)
 - 1/2 x 1 1/2 gr8 Hex Bolt (2)
 - 1/2 gr8 Hex Nut (2)
 - 1/2 USS Washer (2)
 - 1/2 gr8 Lock Washer (2)
 - 7/16 USS Washer (6)
 - M12x60 cl10.9 Hex Bolt (2)
 - M12 cl10.9 Hex Nut (2)
- Optional: #164 JK Shock Hardware (1)**
 - 12mm shock sleeve 404739 (4)
 - Rear barpin 403261 (2)



Before you begin:

- ***Ensure that all parts are present and in good condition using above shipping checklist. ***
- Read and understand all installation instructions.
- Tools required:
 - Basic hand tools
 - Multipurpose grease

Front Shocks Installation:

1. Remove factory front shocks. Note location of barpins and hardware location.
2. Lubricate barpin and bushing then install barpin into the bottom of front shocks. It helps to place the barpin in a vice facing up and lower the shock onto the barpin using a twisting motion. ****Bilstein text should be right side up when shocks are installed.**
3. Locate the U-bracket, 1/2 x 1-1/2" bolt, 1/2" washer, 1/2" lock washer and 1/2" hex nut.
4. Insert the 1/2 x 1-1/2" hex bolt into the U-bracket as shown. This bolt will replace the stud mount found on factory shocks.
5. Install the U-bracket into the upper shock mount with the large washer, lock washer and nut on the top side of the factory mount. The bracket is offset to push the shock away from the frame. Rotate the bracket for easy access to the shock mounting bolt and nut.
6. Install the front Bilstein shock (equal or shorter length) into the bracket with two 7/16" washers, M12x60 hex bolt and M12 hex nut as shown. *Note: some kits come with 4 matching length shocks, front and rear shock lengths could be equal.
7. Install front shocks into the lower shock mounts with factory hardware and tighten all fasteners.

Rear Shocks Installation:

8. Remove factory rear shocks. Note location of barpins and hardware location.
9. **XJ, TJ and JK Only** Lubricate barpin and bushing and install barpin into rear shocks at top. It helps to place the barpin in a vice facing up and lower the shock onto the barpin using a twisting motion.
10. Install rear shocks into factory mounts with factory hardware and tighten all fasteners.