



## INSTALLATION INSTRUCTIONS

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### 6656 AND 6657 REAR SHOCK EXTENTION KIT 1997-2003 FORD F-150

**Thank you for being selective enough to choose our high quality BELLTECH PRODUCT. We have spent many hours developing our line of products so that you will receive maximum performance with minimum difficulty during installation.**

**Note:** Confirm that all of the hardware listed in the parts list is in the kit. **DO NOT** begin this installation if any part is missing. Read the instructions thoroughly before beginning this installation.

**Note:** It is very helpful to have an assistant available during the installation process.

**Note:** We **DO NOT RECOMMEND** using wheel ramps while performing this installation.

**Note:** To properly install the shock extensions, we find it important to follow, in sequential order, the step-by-step procedures listed on the following pages.

**Warning:** **DO NOT** work under a vehicle supported by only a jack. Place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.

**Warning:** **DO NOT** drive the vehicle until all work has been completed and checked. Torque all hardware to values specified.

**Reminder:** Proper use of safety equipment and eye/face/hand protection is necessary when using these tools to perform procedures!

#### TOOLS RECOMMENDED:

Properly rated floor jacks and support stands • Pneumatic Cutting Wheel / Saw • Ratcheting Socket Wrench • Combination Wrench • Safety Glasses • Torque wrench: 0-75 lb. ft. range

This kit has been specifically engineered for the 1997-2003 Ford F-150 series. We **DO NOT RECOMMEND** using this kit on vehicles where other aftermarket suspension components have been previously installed. If the vehicle's suspension has been modified from stock, please return it to its exact original configuration prior to installing this kit.

In order to properly lower your truck, **WE RECOMMEND** using only high quality Belltech lowering coil springs, spindle kits, flip-kits, and Belltech shock absorbers. Note that the shorter shocks are required following installation of many of our kits.

**WE RECOMMEND** that you install Belltech front and rear Anti-Sway Bars to further improve your vehicle's handling and performance.

## 1. PREPARE THE VEHICLE

- 1a. Open the hardware kit and remove all the contents. Refer to the parts list (Page 4) to verify that all parts are present.
- 1b. Park the vehicle on a smooth, level concrete or seasoned asphalt surface and activate the parking brake. Block the FRONT wheels of the vehicle with appropriate wheel chocks; making sure the vehicle's transmission is in 1st gear (manual) or "Park" (automatic).
- 1c. Use a properly rated floor jack to lift the REAR wheels of the vehicle off the ground. Place support stands, rated for the vehicle's weight and in the factory specified locations. Refer to the vehicle Owner's Manual. Prior to lowering the vehicle onto the stands, make sure the supports will securely contact the chassis.
- 1d. Ensure the vehicle is properly supported during this installation to prevent personal injury and chassis damage. Make sure that the support stands are properly placed prior to performing the following procedures. We **DO NOT RECOMMEND** using wheel ramps while performing this installation.
- 1e. Slowly lower the vehicle onto the stands and, before placing the vehicle's entire weight on them, again check that they properly and securely contact the chassis as described above. Check for possible interference with any lines, wires, cables, or other easily damaged components.

## 2. INSTALL THE NEW REAR SHOCK EXTENSIONS

- 2a. Locate the O.E.M. top shock absorber mounts (**Photo 1**). Remove the mounting nuts and hardware.
- 2b. Locate the O.E.M. lower shock absorber mounts (**Photo 2**). Remove the nuts and bolts. Detach the shocks from the vehicle.
- 2c. Attach the new rear lower shock mounts to the original axle mounts. For standard and extended cab models, attach the Belltech mounts with the legs facing towards the rear of the vehicle. Fasten and torque the supplied mounting hardware. (**Photo 3**).
- 2d. For quad cab models, place the passenger side Belltech mount with the legs facing toward the front of the vehicle. Fasten and torque the supplied mounting hardware (**Photo 5**).
- 2e. Attach the shock absorbers to the original upper mounts and the new Belltech lower shock extension mounts. Tighten the original shock mounting hardware to manufacturer's specs (**Photo 4**).

The information table below shows the location and position of the rear shock extensions for the different models of vehicles.

VEHICLE MODEL	LOCATION	USAGE
REGULAR CAB EXTENDED CAB	BOTH SHOCKS FACE REAR-WARD	USE KIT 6656
QUAD CAB	DRIVERS SIDE—FACES REAR-WARD PASSENGER SIDE— FACES FORWARD	USE KIT 6657

### **3. FINALIZE THE INSTALLATION**

- 3a. Ensure all fastened hardware is torqued to the proper specifications. To prevent damage, never over-torque the hardware.
- 3b. Check brake hoses and other components for any possible interference.
- 3c. Lift the vehicle and remove the support stands. Carefully lower the vehicle to the ground.
- 3d. Immediately test-drive the vehicle in a remote location so that you can become accustomed to the revised driving characteristics and handling. Be aware that the vehicle will handle substantially differently now that it has been modified.
- 3e. Installation is complete. Check all the hardware and retorque at intervals for the first 10, 100, 1000 miles.

## PARTS LIST FOR 6656 REAR SHOCK EXTENTION KIT

PART No.	DESCRIPTION	QTY.
6690-060	Rear Shock Extension	2
110408	1/2"-20 x 1-1/4" Bolt	2
110402	1/2"-20 Stover Lock Nut	2
110660	1/2" Washer	4
110251	3/8"-24 x 1" Bolt	4
110625	3/8" Washer	8
110254	3/8"-24 Nyloc Nut	4

## PARTS LIST FOR 6657 REAR SHOCK EXTENTION KIT

PART No.	DESCRIPTION	QTY.
6690-050	Passenger Side Rear Shock Extension	1
6690-060	Driver Side Rear Shock Extension	1
110408	1/2"-20 x 1-1/4" Bolt	1
110402	1/2"-20 Stover Lock Nut	1
110660	1/2" Washer	2
110251	3/8"-24 x 1" Bolt	6
110625	3/8" Washer	12
110254	3/8"-24 Nyloc Nut	6

