



INSTALLATION INSTRUCTIONS

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6656-6657
REAR SHOCK EXTENTION KIT
97-03 UP FORD F-150

CONGRATULATIONS! You were selective enough to choose a **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.

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 absolutely necessary when using these tools to perform procedures!

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.

RECOMMENDED TOOLS:

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.

IMPORTANT NOTES:

- 1 In order to properly install the REAR C-SECTION KIT, we find it important to follow, in sequential order, the step-by-step procedures listed on the following pages. Our R & D Techs have simplified the step-by-step installation procedure to minimize any difficulties that may arise during the installation.
- 2 As this is relatively involved installation, **we recommend** that a qualified mechanic at a properly equipped facility perform it. **We also recommend doing one side (modification) at a time.**
- 3 **We also recommend** measuring and recording all stock driveline angles prior to installing this kit. This information may be helpful if vibration problems arise after installation.

1. KIT INSTALLATION

- 1a. **Open the hardware kit and remove all of the contents. Refer to the parts list (Page 8) 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. **Using a properly rated floor jack, 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. **It is very important that 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.**

As stated previously, WE RECOMMEND using only high quality Belltech lowering coil springs, spindle kits, flip-kits, and Belltech shock absorbers. Whether using the O.E.M. shock absorbers or have purchased new Belltech shock absorbers, this particular kit, the rear shock mounts are included.

2. INSTALLING THE NEW REAR SHOCK EXTENSIONS

- 2a.** Locate the O.E.M. top shock absorber mounts (**Photo 1**). Un-bolt the mounting nuts and re move completely.
- 2b.** Locating the rear O.E.M. shock absorber mounts, un-bolt and remove all mounting hardware (**Photo 2**).
- 2c.** Mount the new rear shock mounts. Locate the new rear shock mounts, with the legs facing towards the rear of the vehicle (**Photo 3**). Install the (kit supplied) mounting hardware and finger-tight.
- 2d.** **Using a wrench, torque all mounting hardware to specs.**
- 2e.** Re-install the O.E.M. shock absorber and tighten the mounting hardware to manufacturer's specs. In this particular (**Photo 4**), new Belltech shock absorbers are being shown.

The following information listed below shows location and usage of the rear shock extensions for the different models of vehicles.

VEHICLE MODEL	LOCATION	USAGE
REGULAR CAB EXTENDED CAB	BOTH SHOCKS FACE REAR-WARD	USES THE KIT 6656
QUAD CAB	DRIVERS SIDE—FACES REAR-WARD PASSENGERS' SIDE— FACES FORWARD	USES THE KIT 6657

3. FINALIZING THE INSTALLATION

- 3a.** All hardware being fastened to the vehicle's original fastening points should be torqued to the proper specifications. To prevent chassis 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 different now that it has been modified.
- 3e.** Installation is complete. Check all of the hardware and re-torque at intervals for the first 10, 100, 1000 miles.

PARTS LIST FOR FORD F-150 6656 REAR SHOCK EXTENTION KIT

PART No.	DESCRIPTION	QTY.
6690-060	RIGHT REAR SHOCK EXTENSION	2
110408	HH Cap Screw 1/2"-20 x 1-1/4"	2
110402	Stover Lock Nut 1/2"-20 0	2
110660	FLAT WASHER A325 1/2"	4
110251	HH Cap Screw 3/8"-24 x 1"	4
110625	FLAT WASHER A325 3/8"	8
110254	Nylon Insert Lock Nut 3/8"-24	4

PARTS LIST FOR FORD F-150 6657 REAR SHOCK EXTENTION KIT

PART No.	DESCRIPTION	QTY.
6690-050	LEFT REAR SHOCK EXTENSION	1
6690-060	RIGHT REAR SHOCK EXTENSION	1
110408	HH Cap Screw 1/2"-20 x 1-1/4"	2
110402	Stover Lock Nut 1/2"-20 0	2
110660	FLAT WASHER A325 1/2"	4
110251	HH Cap Screw 3/8"-24 x 1"	4
110625	FLAT WASHER A325 3/8"	8
110254	Nylon Insert Lock Nut 3/8"-24	4

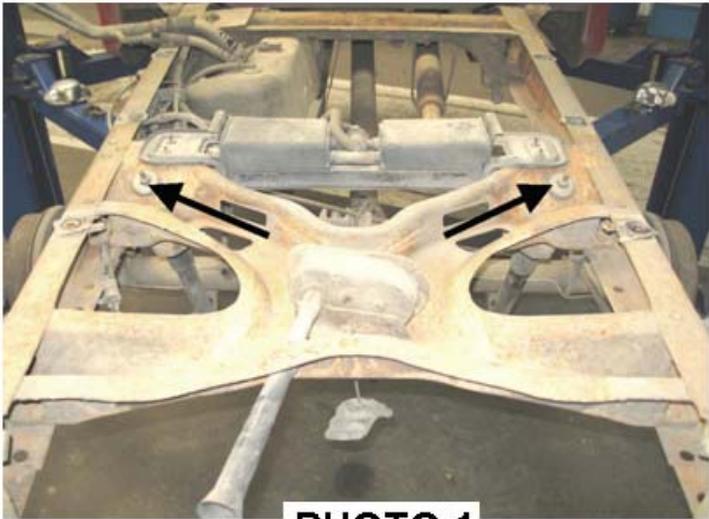


PHOTO 1

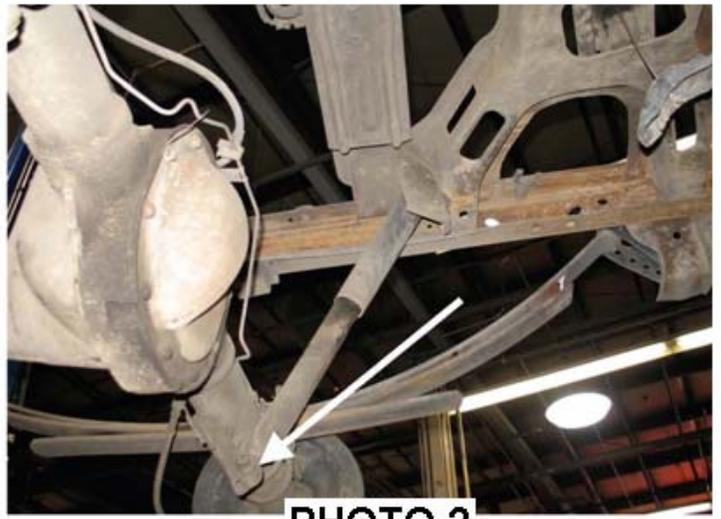
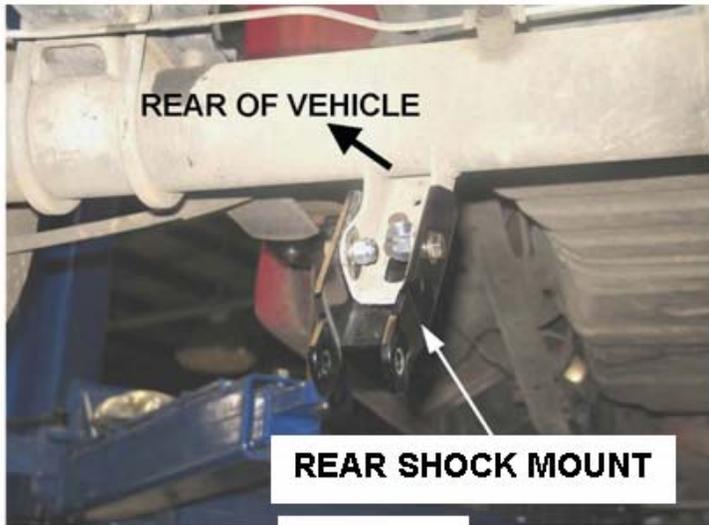


PHOTO 2



REAR SHOCK MOUNT

PHOTO 3



PHOTO 4