



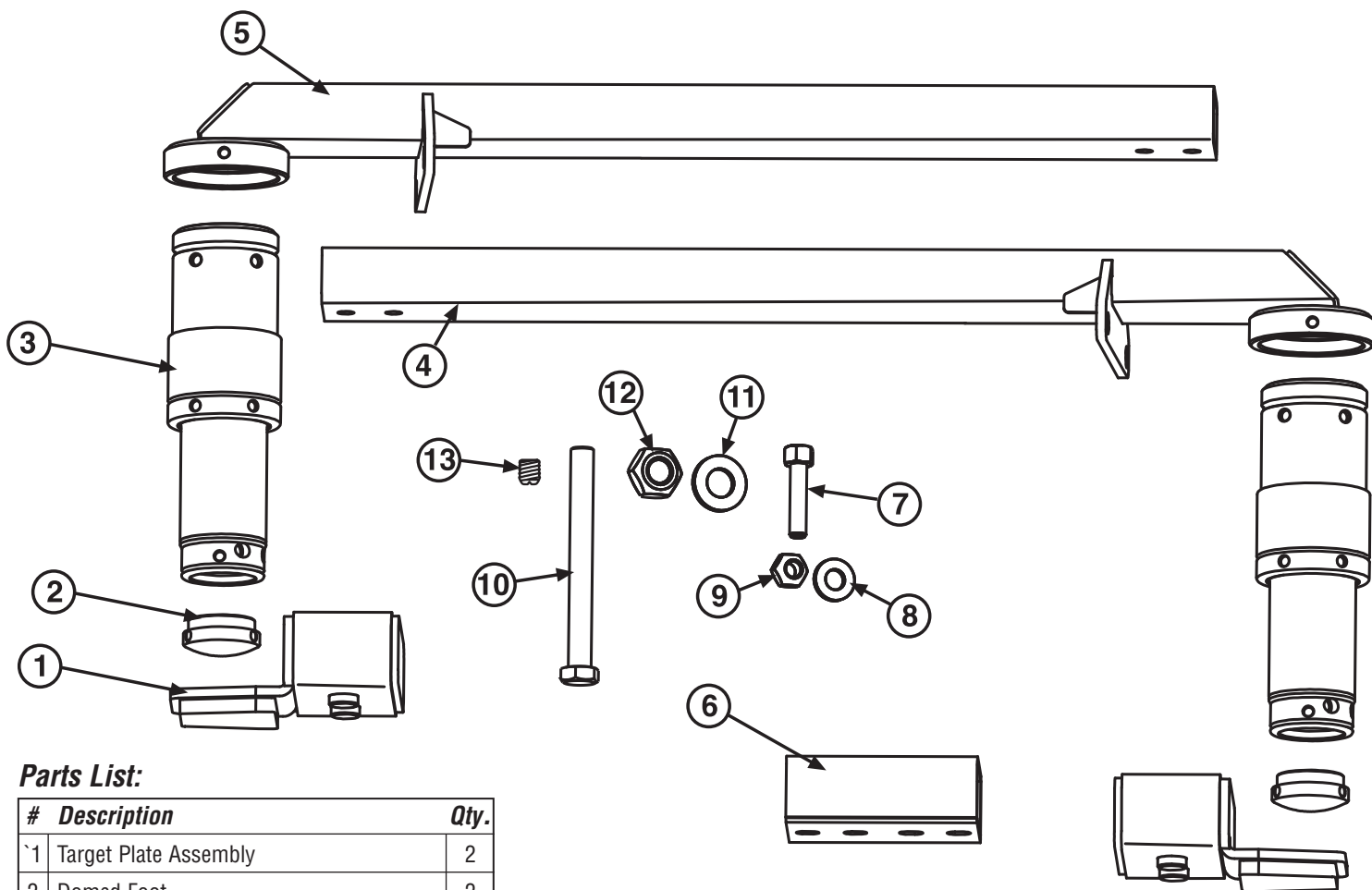
Instruction Sheet
JounceShock™ System Rear
2004 - 2015 Ford F150
 US Patent 7140601 B2

This part should only be installed by personnel who have the necessary skill, training and tools to do the job correctly and safely. Incorrect installation can result in personal injury, vehicle damage and / or loss of vehicle control.

Read instructions completely before beginning installation.

Required Tools:

- Metric sockets and wrenches
- Drill motor and drill index
- Floor jack or lift w/ jack stands
- 115 lb-ft torque wrench
- 1/4" pin style spanner
- 1/8" hex key



Parts List:

#	Description	Qty.
1	Target Plate Assembly	2
2	Domed Foot	2
3	JounceShock, 3.0" Travel	2
4	Right Hand Cross Tube	1
5	Left Hand Cross Tube	1
6	Tube Union	1
7	M10-1.5x60 Bolt	4
8	M10 Flat Washer	8
9	M10-1.5 Nut	4
10	M14-2.0x150 Bolt	4
11	M14 Flat Washer	8
12	M14-2.0 Nut	4
13	1/4-20 x 5/16", Cup Point, Set Screw	2

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Rear JounceShock System - 2004 - 2015 Ford F150 - Continued

Installation process:

1. Confirm that you have all parts and tools to complete job.
2. Safely raise vehicle per manufacturer's specifications and remove rear wheels.
3. Support rear axle, loosen U-bolts and replace stock bumpstop target assemblies between axles and leaf springs with Target Plate Assemblies as shown in **FIGURE 1**. Reinstall U-bolts and torque per manufacturer's specifications. (Retain stock bumpstop target assemblies for ability to return to stock configuration.)
4. Remove stock rubber bumpstops from bottom of frame rail and retain for ability to return to stock configuration.
5. Slide Right and Left Hand Cross Tubes in between top of frame and bottom of bed as shown in **FIGURE 4**. Orient Cross Tubes such that spacer tabs are rearward and resting on frame rails.
6. Loosely bolt Cross Tubes together using M10 bolts, washers, nuts, and Tube Union as shown in **FIGURE 2**.
7. Position Cross Tubes 10-3/8 inches behind stock shock mount as shown in **FIGURE 3**.
8. Rock front edge of Cross Tube down so it rests on frame. This will angle lower end of JounceShocks rearward in vehicle (as shown in **FIGURE 5**) to line up with Target Plate Assemblies.
9. Mark hole locations on side of frame through mounting bracket as shown in **FIGURE 4**.
10. Temporarily tie up wiring and lines that run along inner side of frame rails to avoid damage during drilling. Drill 9/16" holes squarely through both sides of each frame rail in marked locations.
11. Loosely install all M14 bolts through frame rails using washers and lock nuts. Once all four M14 bolts are installed, torque to 115 lb-ft.
12. Torque bolts holding Cross Tubes together at Tube Union to 35 lb-ft.
13. Thread cylinder end of 3.0" JounceShock into mount until it bottoms. Apply a small dab of medium strength thread locker (Blue Loctite) to the 1/4"-20 set screw and install into mount snug tight using 1/8" hex key.
14. Thread Domed Feet into shaft end of JounceShocks and tighten with a pin style spanner.
15. Re-attach all wiring and lines that were repositioned for drilling.
16. Re-install rear wheels and torque lug nuts to manufacturer's specifications.
17. Check torque on all fasteners after 100 miles.

***For information on how to tune the JounceShocks, please refer to the instructions for the individual shocks:
http://www.spcalignment.com/instructions/25710-INS_WEB.pdf***

What to expect from your JounceShock system:

The JounceShock is the core of a secondary suspension system that dramatically increases the capacity of your vehicle's suspension. Most systems are designed such that the JounceShocks do not engage the suspension of your vehicle at ride height. Therefore, the system does not usually alter the ride height or on-road ride quality of your vehicle. When you have a heavy payload or take your vehicle off-road, your suspension will compress more and engage the JounceShocks. When the suspension engages the JounceShocks, you may hear the initial contact. This is normal and is an indication that the JounceShocks are being applied. When the vehicle is driven off-road you will notice a couple of performance gains. First, as you drive the vehicle over rough terrain it never feels as though the vehicle is bottoming. Also, you will realize that the vehicle moves up and down less, this is known as "Gross Vehicle Motion Control". These are changes caused by the characteristic exponential air spring curve and the critical damping of the JounceShock units. These changes significantly enhance the ability and durability of the vehicle, as well as the comfort level of the occupants. This added capacity can be misleading and care should be taken to learn the new limits of your vehicle without damage to the vehicle itself. For more discussion on JounceShock function and performance gains please visit our website at www.specprod.com

Figure 1
Replace stock bumpstop
target assemblies
between axles and leaf
springs with Target Plate
Assemblies

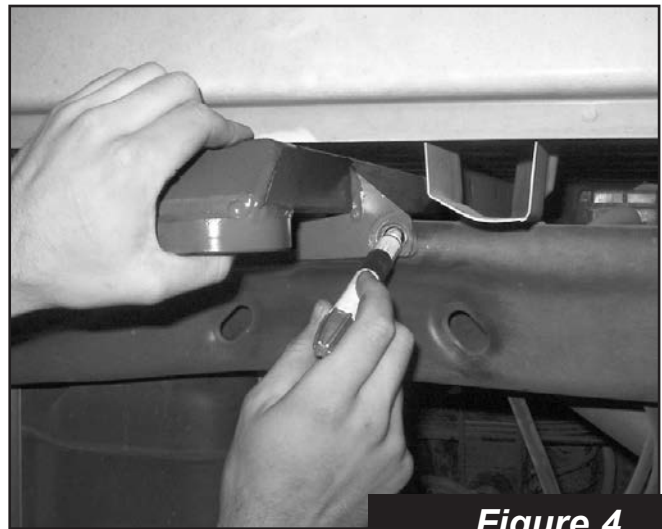
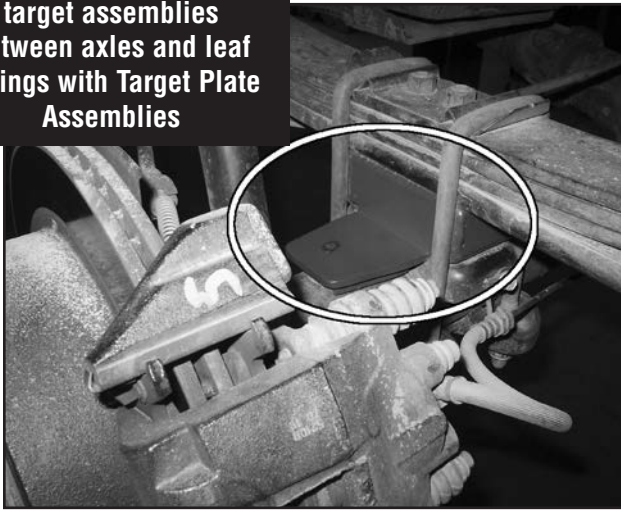


Figure 4
Mark hole locations on
side of frame through
mounting bracket

Figure 2
Loosely bolt Cross Tubes
and Tube Union together

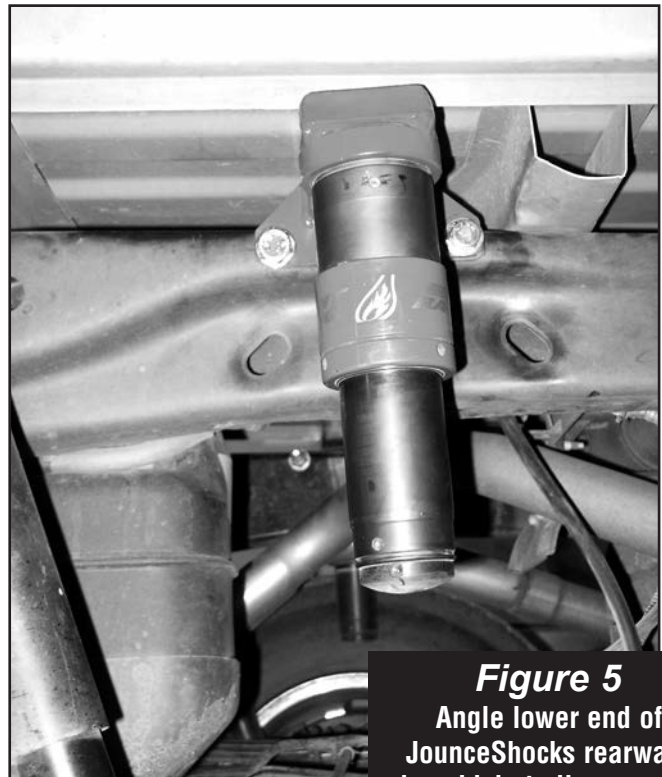


Figure 5
Angle lower end of
JounceShocks rearward
in vehicle to line up with
Target Plate Assemblies

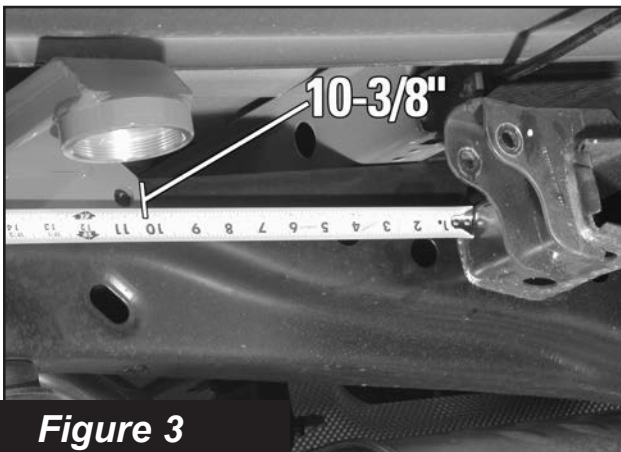


Figure 3
Position Cross Tubes
10.375 inches behind
stock shock mount

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There is no warranty stated or implied due to the inability to monitor the part's modification, installation, and use, except that Specialty Products Company warrants its products to be free from defects in material and workmanship for 90 days after purchase under normal use. In that case, parts returned must be determined by Specialty Products to be defective and Specialty Products's obligations under that warranty are solely limited to repairing or replacing, at its option, any part proven defective.

Final determination of the suitability of the parts for use contemplated by the buyer is the sole responsibility of the buyer. Specialty Products Company shall not be liable for any special, direct, indirect, incidental, or consequential damages that might be claimed as a result of the failure of any part, including claims for delay, loss of profits or labor. Specialty Products Company shall not be liable for any damage or injury to persons or property resulting from improper installation or misuse of any part subject to this warranty. There are no other warranties expressed or implied extending beyond those set forth above.



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