

SPC PERFORMANCE®

Read instructions completely before beginning installation.

Required Tools:

- Welding Equipment
- Hex Keys - 7/32" & 1/8"
- 1/4" Pin Style Spanner
- 100 lb-ft Torque Wrench

Using the 15° Flex Mount:

During suspension travel, the major suspension components are usually moving in an arc; whether it be an axle swinging on links/leaf springs or a control arm rotating about its pivots. If a JounceShock is mounted rigidly fixed to the frame, a scrubbing motion between the shaft end of the JounceShock and the suspension occurs. This introduces side loading to the JounceShock as well as excessive wear to the contact surfaces. The Flex Mount is designed to minimize the side loading on the JounceShock and reduce contact scrubbing by allowing up to 7.5° of articulation off center line. The 15° Flex Mount can be paired with different shaft end adapters but is most often utilized with the Cupped Foot and Domed Target (#25601). Placement of the JounceShock (when centered in the 15° Flex Mount) should line it up with the target at first contact. As the JounceShock compresses the 15° Flex Mount (which is typically mounted to the suspension) will flex to allow the JounceShock to follow the arc of the Domed Target (mounted to the suspension). When the suspension reverses direction and the target falls away from the end of the JounceShock, the O-Ring in the 15° Flex Mount works as a rubber spring returning it to center where it is ready to take the next hit. The support of the 15° Flex Mount base should be substantial with gussets flowing back into the major mounting structures to distribute the load. Care should be taken to cycle the suspension and confirm that the angle required of the 15° Flex Mount is within its range. If forced beyond 7.5° off center, damage could occur to the JounceShock or the 15° Flex Mount.

For more information on determining the placement of the JounceShock refer to the **Technical Information** section on our website www.specprod.com.

Installation Process:

1. Confirm that you have parts and tools required to complete job.
2. Determine optimum location and orientation for installation of JounceShock.
3. Confirm structural integrity of determined location for 15° Flex Mount. Installer is responsible for structural integrity and load capacity of placement of 15° Flex Mount. See our website or call technical support for tips and guidance.
4. Disassemble 15° Flex Mount
5. Weld Base to mounting location. Base is made from mild steel and proper welding practices should be followed to insure structural integrity of system.
6. Paint Flex Mount Base and welded area to limit corrosion.
7. Using a small dab of medium strength thread locker (Blue Loctite) on button head cap screw, assemble 15° Flex Mount Assembly (as shown in **FIGURE 1**). Make sure Bellville Disc Spring centers on Spacer Tube. Torque to 20 lb-ft. (Follow all Loctite cure time instructions.)
8. Install JounceShock per instructions supplied with JounceShock (#25710 or #25715). Use the 1/4"-20 Set Screw (provided) to keep the JounceShock from rotating. A small amount of thread locker should be use with this screw.

Important: The fully compressed JounceShock is designed to be the suspension travel stop. The stock rubber/urethane jounce bumper should be removed or cut down to a minimum height. This will eliminate the negative effect of stored energy that is released back into the suspension system by the stock jounce bumper.

See our [website www.specprod.com](http://www.specprod.com) for additional end mount and adapter options.

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.

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.

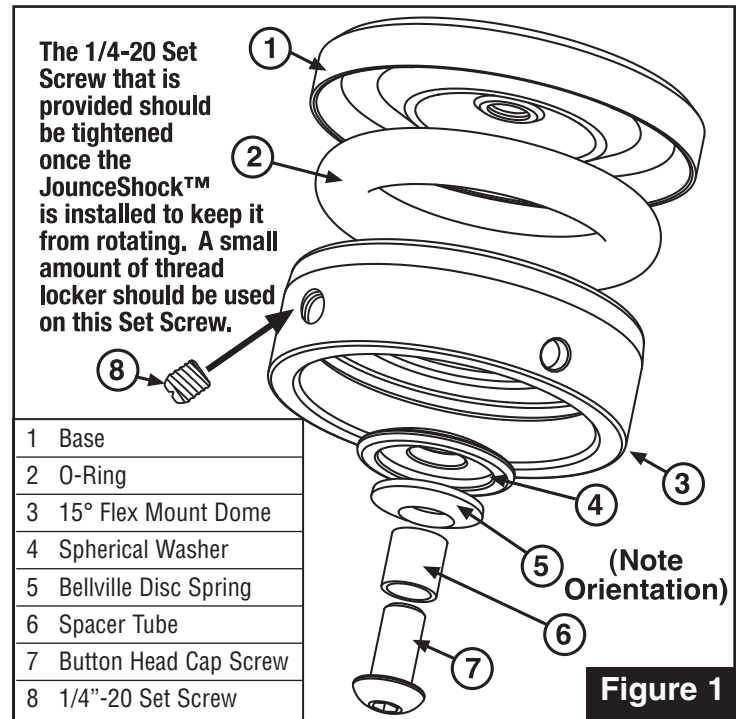


Figure 1



Specialty Products Company®

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