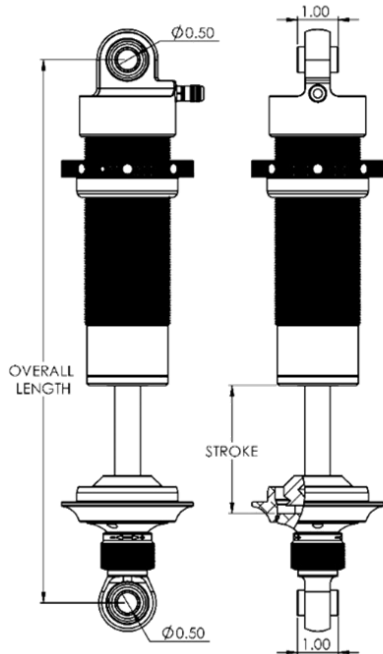


Builders Series Mounting Manual



The Builders Series by JRi Shocks is the off-the-shelf solution for your next project. The Builders Series was created for those that want a racing inspired shock in an off-the-shelf package. All JRi Shocks are hand built in the USA and every shock is dyno tested to guarantee a quality product. Our shocks are fully rebuildable and serviceable to provide a lifelong product.



Choosing a shock

Fabricating mounts: Start by choosing the desired shock stroke for your suspension. Before mounting the shocks, jack the car to the desired ride height. With the shock at the center of its stroke, place the shock mounts and weld.

Using existing mounts: Measure the shock eye-to-eye length at ride height and choose the shock with the recommended ride height most closely matching this measurement. If the resulting stroke is too short, mounts will need to be moved/adapted to accommodate the recommended ride height of the shock with the desired stroke.

Mounting

Mount dimensions: Both ends of the shock feature spherical bearings that are 1" wide and accept a 1/2" bolt. See Figure 1.

Mounting direction: JRi Shocks are monotube style construction, meaning they can be mounted in any orientation without a difference in performance (adjuster at the top or bottom, shock horizontal, etc.)

Misalignment: If the shock needs to be angled in the installation, do so along the bolt axis rather than misaligning the bearings, as shown in Figure 2. The spherical bearings will bind after 9 degrees of misalignment, adding unwanted stress on the shock and causing damage. JRi Shocks is not responsible for any damage to the shock due to mounting related issues.

Setting Ride Height

One of the holes in the spring adjuster contains a set screw. Loosen the set screw with an 1/8" allen wrench. Turn the spring adjuster to raise or lower the vehicle. Retighten the set screw. Attempting to turn the spring adjuster without loosening the set screw will damage the threaded body.

Adjusting the Shock Stiffness

For information about adjusting the stiffness of the shock, see our adjuster guides at www.jrishocks.com/adjuster-guides

Figure 1: Schematic of shock

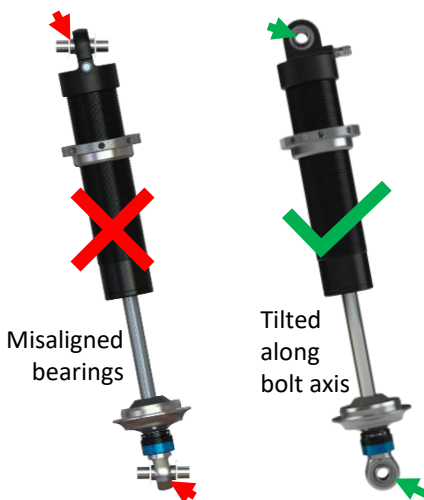


Figure 2: The shock should be mounted with minimal misalignment of the spherical bearings. Tilt along the bolt axis is OK.