FALCON SHOCKS

COILOVER ADJUSTMENT GUIDE

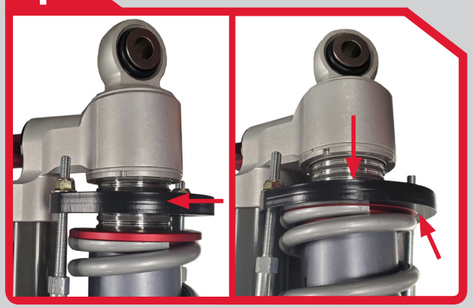
Every aspect of vehicle dynamics must be considered in developing a properly engineered suspension system to ensure predictable handling and a smooth ride. This includes correct suspension geometry as well as properly matching the shock's compression and rebound to the spring rate.

Falcon Shocks went back to the drawing board to engineer brand-new shock absorber systems that are properly matched to the spring rate resulting in a sportier ride with better control and handling without sacrificing ride quality. Our in-house engineering experts have invested hundreds of hours in dyno verified – as well as real world on and off-road driving – shock tuning to deliver optimal results. Results that can be felt in a "seat-of-the-pants" drive.

All Falcon Shocks are designed, engineered, and built with state-of-the-art methods including CAD designs, finite element analysis (FEA), in-house lab simulation, and real-world street and trail testing.

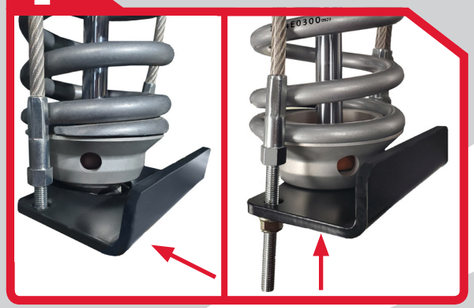
https://www.falconshocks.com/videos

1



- Insert upper bracket to the snap ring grooves of shock, then slide down until edge of bracket is flush to the lower lip of red coil mount. This locks the upper bracket onto the shock.
- For safety verify upper bracket is secured and doesn't slide off the red coil mount.

2

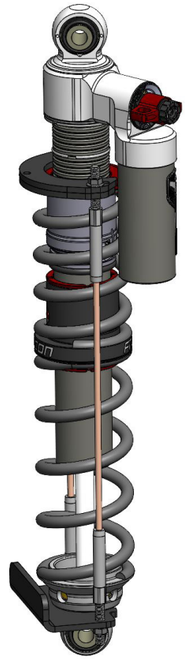


- Slide lower bracket under the bottom coil mount then push up until flush with coil mount. This locks the bracket onto the shock.
- Finger tighten the 4 nuts until all slack is removed evenly from both cables.
- For safety verify lower bracket is secured to the lower coil mount.

3



- **CAUTION:** The Falcon Coil Slider must not travel below the dotted line when the vehicle body is raised in the next step or damage to coil slider seal will occur.
- If removed: #50-11-01-001 Spring Swap Kit required for coil slider reinstallation.

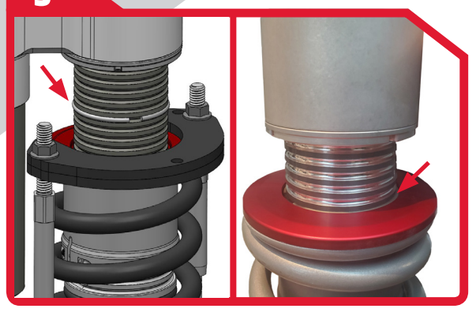


4



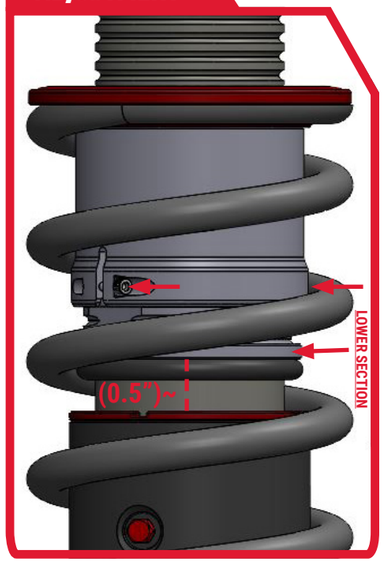
- Jack up vehicle body from the bumper or frame which will raise the body and allow the shock to extend.
- The tool will keep the coils compressed while the shock extends.
- **CAUTION:** Only raise the vehicle up just enough to expose the snap ring grooves needed for adjustment.

5



- Adjust the snap ring to the desired groove. (Distance between each groove is 0.25")
- Verify snap ring is fully seated into groove before lowering vehicle.
- As vehicle lowers verify snap ring seats completely into red coil mount.

CROSSOVER ADJUSTMENT



- Loosen both 2.5mm hex screws
- Pull down on bottom section to expose snap ring.
- Adjust snap ring to desired groove. (Distance between each groove is 0.25")
- Verify snap ring seats fully.
- Push bottom section of crossover back into upper crossover section.
- Torque screws to 20 in lbs.
- Verify measurement at settled vehicle ride height. (We recommend ~0.5" between lower crossover section and coil slider at ride height.)