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SSVR & SSVX RESERVOIR SHOCK ABSORBER UNIVERSAL MOUNT INSTALLATION INSTRUCTIONS

8-3/4" STROKE	SSVR KIT# 82790 SSVX KIT# 92790
12-1/2" STROKE	SSVR KIT# 85620 SSVX KIT# 95620
14" STROKE	SSVR KIT# 85210 SSVX KIT# 95210

⚠ WARNING

Before you install this kit, read and understand all instructions, warnings, cautions, and notes in this instruction sheet and in the vehicle owner's manual.

⚠ CAUTION

Proper installation of this kit requires knowledge of the factory recommended procedures for removal and installation of original equipment components. We recommend that the factory shop manual and any special tools needed to service your vehicle be on hand during the installation. Installation of this kit without proper knowledge of the factory recommended procedures may affect the performance of these components and the safety of the vehicle. We strongly recommend that a certified mechanic familiar with the installation of similar components install this kit.

⚠ WARNING

Always wear eye protection when operating power tools.

⚠ WARNING

Before you install this kit, block the vehicle tires to prevent the vehicle from rolling.

⚠ WARNING

This kit should only be installed on a vehicle that is in good working condition. Before you install the kit, thoroughly inspect the vehicle for corrosion or deformation of the sheet metal. If the vehicle is suspected to have been in a collision or misused, do not install this kit. Off-road use of your vehicle with this kit installed may increase the stress applied to the factory components. Failure to observe this warning may result in serious personal injury and/or severe damage to your vehicle.

Before Starting Installation

NOTE

Kit parts are prefaced by the word *kit* and appear in **bold print**.

- Carefully read all warnings and instructions completely before beginning.
- Verify all parts have been received in this kit by checking the parts list at the end of this document.
- Only install this kit on the application for which it is specified.** If anytime during the installation you encounter something different from what is outlined in the instructions, call technical support at (928) 636-3175.
- Park vehicle on a clean, dry, flat, level surface and block tires so vehicle cannot roll in either direction.

Torque Specifications

- See factory service manual for torque values when re-using OE fasteners.

Bolt Size	Grade 5 (ft.-lbs.)	Grade 8 (ft.-lbs.)
1/4"-20	10	10
1/4"-28	10	12.5
5/16"-18	17	22.5
5/16"-24	20	25
3/8"-16	30	40
3/8"-24	35	45
7/16"-14	50	65
7/16"-20	55	70
1/2"-13	75	100
1/2"-20	55	70
9/16"-12	105	135
9/16"-18	115	150
5/8"-11	150	195
5/8"-18	160	210
3/4"-16	175	225

Engine Compartment

1. Disconnect both battery cables. Disconnect negative cable first, then positive cable.

Prepare to Install Shock

NOTE

The following two procedures should ONLY be performed if necessary.

1. Using a hydraulic floor jack, slowly lift front (or rear) of vehicle until tires are 3-5" off ground. Position jack stands under frame. Lower vehicle onto jack stands while maintaining hydraulic jack pressure underneath front (or rear) of vehicle,

⚠ WARNING

Use extreme caution when lifting vehicle from ground. To prevent serious personal injury, ensure the lifting device is securely placed.

2. Remove lug nuts and front (or rear) wheels from vehicle if necessary.
3. Remove hardware and O.E. or other manufacturer's shocks from vehicle.

Install Shock

⚠ WARNING

DO NOT install reservoir onto any moving components such as control arms, axles, or driveshafts. DO NOT allow braided line connecting reservoir and shock absorber body to contact any moving, fixed, or heated components. Ensure adequate clearance between all fixed and moving components. DO NOT kink or pinch braided line. Movement may cause reservoir and/or braided line to become ruptured or detached from shock absorber body causing failure.

⚠ WARNING

DO NOT install reservoir near or onto any heated components such as exhausts, engines, or motors. Heat may cause the shock absorber body to deform or rupture causing damage to vehicle components.

⚠ WARNING

DO NOT attempt to disassemble, modify, or heat the shock absorber or reservoir. These components are pressurized. These components are not serviceable. DO NOT attempt to adjust reservoir schrader valve.

NOTE

These components are supplied with universal sleeve and bushing mounts. Additional or different hardware may be required to install these components properly.

⚠ WARNING

DO NOT touch the shock absorber rod with any tool. Damage to the rod surface may result in shock absorber leakage and ultimately failure.

⚠ WARNING

Kit absorber (shock, reservoir) can be mounted in any orientation. However, DO NOT MOUNT **kit absorber** body onto moving component AND mount reservoir onto fixed component. When mounting **kit absorber** onto moving component mount reservoir onto **kit absorber** with **kit clamps** provided. Improper mounting may cause reservoir and/or braided line to become ruptured or detached from shock absorber body causing failure.

⚠ WARNING

Many vehicles use shock absorbers to limit the suspension travel. When replacing O.E. shock absorbers ensure extended and collapsed lengths match EXACTLY to the replacement shock absorbers. Damage may occur to other vehicle components if incorrectly dimensioned shock absorbers are installed.

NOTE

Kit absorbers are shipped coated with a protective oil. Use a mild soap solution or other mild degreaser to remove protective oil from **kit absorbers** before applying decals.

1. Using O.E. hardware, install **kit absorber** (shock, reservoir) onto upper and lower mounts. TORQUE hardware to specification.

NOTE

Kit clamps are to be used for securing reservoir to **kit absorber** (shock, reservoir) ONLY.

2. **Using Kit Clamps:** Adjust **kit clamps** and reservoir if necessary to clear all heated and moving components. Ensure braided line has adequate clearance from all fixed and moving components. TIGHTEN **kit clamps**.
3. **Without Kit Clamps:** Install **kit reservoirs** onto fixed members with secure mounting hardware. Adjust reservoir if necessary to clear all heated and moving components. Ensure braided line has adequate clearance from all fixed and moving components. TIGHTEN mounting hardware.

After Completing Installation

Engine Compartment

1. Connect both battery cables. Connect positive cable first, then negative cable.

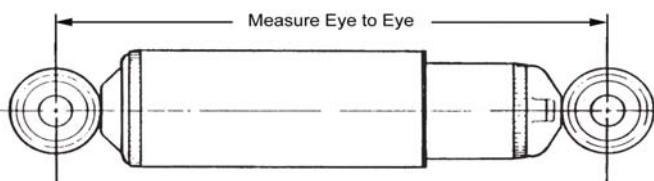
Miscellaneous

1. Check all fasteners to ensure they are tight.
2. Check steering and suspension in all positions to ensure that there is no bind and adequate clearance between all moving, fixed, and heated members. Check battery connections and electrical component operations. Test-drive vehicle.
3. Ensure all wires, hoses, cables, etc. are properly connected and there is ample slack.

⚠ WARNING
Retorque all fasteners after 500 miles and after off road use. All suspension and shock absorber components should be visually inspected and fasteners retorqued during routine vehicle servicing.

NOTE
All warranty information, instruction sheets, and other documents regarding the installation of this product must be retained by the vehicle owner. Information contained in the instructions and on the warranty card will be required for any warranty claims. The vehicle owner needs to understand the modifications made to the vehicle and how they affect vehicle handling and performance. Failure to provide the customer with this information can result in damage to the vehicle and severe personal injury.

SSVR/SSVX Dimensions			
P/N	Extended	Collapsed	Stroke
82790 / 92790	22.98"	14.20"	8.78"
85210 / 95210	35.00"	21.00"	14.00"
85620 / 95620	29.88"	17.38"	12.50"



Kit Parts List

Qty. Description

- 1 **Absorber** (shock, reservoir)
- 2 **Bushing** (5/8")
- 2 **Clamp**
- 1 **Decal**
- 2 **Sleeve** (.630" x .500" ID x 1.480" L)

