

JKS[®]

Installation Instructions



Product: **Slickrock Spring Hangers™**

Part Number: **PN SR103**

Application: **Wrangler YJ, 1987-95**

Welcome

CONGRATULATIONS on purchasing a set of new Slickrock Spring Hangers from JKS Manufacturing. We are committed to providing you with the best products available and your satisfaction is our first priority.

PLEASE READ these instructions carefully, as they contain important installation information.

Important

INSTALLATION REQUIRES WELDING by a qualified welder or metal fabricator. A bolt-on installation is not possible for this product.

REFER TO FACTORY SERVICE MANUAL for information and procedures not covered in these instructions.

Tools Required

- Hydraulic Floor Jack & Jack Stands
- Metric/Standard Socket Wrench Set
- Torque Wrench
- Tape Measure
- Grinding Wheel (or similar tool for grinding welds from chassis)
- Sanding Wheel (or similar tool for removing paint and debris from chassis)
- C-Clamp (or similar tool for temporarily securing spring hanger to chassis)
- Welding Equipment
- Satin Black Spray Paint
- Factory Service Manual (recommended)

Installation

1. PRE-INSTALLATION PROCEDURES

- Raise front of vehicle and support the chassis with jack stands positioned behind the front leaf springs.
- Support the axle housing with a hydraulic jack to relieve the axle weight.
- Remove front wheels from vehicle. Front bumper should also be removed if it restricts access to spring hangers.
- Remove the spring shackle hardware from original spring hangers. Retain original mounting hardware for reinstallation.
- Lower the hydraulic jack allowing leaf springs and shackles to drop away from chassis.
HINT: *If necessary, disconnect any other components that prevent axle from being lowered. Do NOT over extend brake lines.*
- Remove the original shackle bushings and sleeves from spring hangers.
- Measure and record the distance between the front and rear spring hangers. **HINT:** *An alternative point on the chassis can be used for measuring purposes as long as it is symmetrical on both sides of vehicle.*

❑ 2. REMOVE OE SPRING HANGERS

- Once you have sufficient room to access the original front spring hangers, locate the welds that secure spring hangers to chassis.
- Grind away all welds from the original spring hangers and remove from vehicle.
HINT: A power grinding wheel or similar tool is useful for removing welds. Use caution to avoid damaging chassis.
- With the original spring hangers removed, sand chassis surface to remove any additional welds, paint, rust, or other debris that may interfere with fitment of Slickrock Spring Hangers.
HINT: A sanding wheel, disc sander, or similar tool is useful for cleaning chassis surface.

❑ 3. WELD SLICKROCK SPRING HANGERS TO CHASSIS

- Using the measurement recorded in Section 1, determine proper location of Slickrock Spring Hangers on vehicle chassis and temporarily clamp in position. **HINT:** Spring hanger must be positioned with bushing end facing forward and tab facing rear.
- Tack weld the Slickrock Spring Hangers to the chassis and double check measurements to ensure they are positioned correctly.
- With Slickrock Spring Hangers correctly positioned, fillet weld sides and tab to chassis.
IMPORTANT: Avoid overheating the chassis by allowing the surface to cool off regularly.
- Once all welding is complete, spray paint Slickrock Spring Hangers and any bare metal on chassis to prevent corrosion. All exposed metal must be completely covered.

❑ 4. REINSTALL SPRINGS AND RELATED COMPONENTS

- Install original shackle bushings and sleeves in Slickrock Spring Hangers. **HINT:** Install new bushings if original parts are damaged or worn. Polyurethane bushings should be lubricated prior to installation.
- Raise the axle into position and align leaf spring shackles with Slickrock Spring Hangers.
- Secure spring shackles to Slickrock Spring Hangers using original mounting hardware.
HINT: Reconnect any other components that may have been removed to lower the axle.
- Reinstall front wheels. Front bumper should also be reinstalled if it was previously removed.
- Remove the jack stands from beneath chassis and lower vehicle to the ground.
- Tighten all mounting hardware to factory specifications using a torque wrench.

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