



INSTALLATION INSTRUCTIONS

Product: Flex Connect Performance Spring Kit™
Part Number: PAC2100

Applications: JKS Flex Connect Sway Bar Link PAC2110

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Welcome

CONGRATULATIONS on purchasing the Flex Connect Performance Spring Kit from JKS Manufacturing. We are committed to providing you with the best products available and your satisfaction is our first priority.

PLEASE READ these Installation Instructions carefully, and save them for future reference, as they contain important installation and maintenance information.

Tools Required

- Wheel Bearing Grease
- 3/8" Ratchet

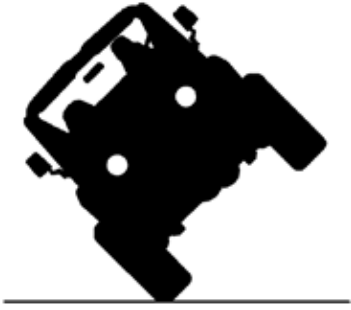


Parts

	Description	Qty
A	Blue Spring	2
B	Yellow Spring	2
C	Red Spring	2
D	Flex Connect Wrench 9/16"	1
E	Flex Connect Wrench 1/2"	1

WARNING

Higher Rollover Risk



Modifying your Jeep® to improve off-road performance may result in vehicle handling different than as factory equipped, including increased ride-height and/or chassis articulation; reduced lateral stability and higher risk of roll-over or other accident. Also, owner's choice of larger tire and wheel combinations may require additional braking force or increased stopping distances.

To reduce risk of serious injury and accident:

- Choose modifications that balance your actual highway & off-road use.
- Avoid sharp turns, abrupt maneuvers or steep side-cambers.
- Avoid other maneuvering conditions which may cause the vehicle to trip, roll, lose traction or compromise your ability to safely brake in an emergency.
- Routinely inspect your vehicle components for unusual wear or off-road damage. Repair or Replace any unserviceable components before use.
- Acquaint any other drivers with your vehicle modifications and handling.
- Always wear seat belts and/or appropriate off-road restraints, reduce your speed, Tread Lightly®.

Important

Designed for use the factory sway bar. Fitment and performance with aftermarket sway bars is up to the installer.

Some vehicles may require extended front brake hoses or other modifications to compensate for additional suspension travel.

Flex Connect Rebuild

The internal components of the Flex Connect are sealed and designed for maintenance free long term performance. These instructions are provided as a reference for the steps required to swap springs. The Flex Connect Performance Spring Kit is sold separately as part number 2100.

❑ 1. FLEX CONNECT DISASSEMBLY

These instructions are written with the assumption the customer has the assembly wrenches included in the Performance Spring Kit. If not, 2 crescent wrenches with jaw openings up to 1-1/2" can be used.

- Hold the body of the Flex Connect across the flats and loosen the Flex Connect body as shown in the Figure.

Note: A 3/8" ratchet can be inserted into the square hole in the wrench if additional leverage is required.



Note: If using a vice, put the cap in the vice jaws and use the provided wrench on the body to prevent the vice from binding on the threads.

- With the cap unthreaded, slide the shaft assembly out of the body.
- Tip the Flex Connect body up and the spring followed by the washer will fall out of the body.
- To remove the spring from the shaft, hold the shaft across the flats next to the bronze bushing and remove the nut.

Note: The wrench with the rounded opening is 1/2" across the flats for the rod and the other is 9/16" for the nut.



- Slide the spring off of the shaft.

Note: The spring washer goes on the side of the spring towards the cap.

2. FLEX CONNECT ASSEMBLY

- Install the washer back into the body of the Flex Connect followed by the spring of your choosing.

Effective Spring Rates - % softer than stock sway bar	
Blue Spring	75%
Yellow Spring	60%
Red Spring	45%
Flex Connect OE Spring	35%

- Install a matching spring onto the Flex Connect shaft followed by the bronze bushing and nut
Torque the nut to 25 ft-lbs.

IMPORTANT: Always install matching springs into the Flex Connect. Failure to do so will create different roll stiffness depending on the direction of roll and yield undesirable handling characteristics.

- Apply grease to the bronze bushing if it was removed during disassembly
- Slide the Flex Connect shaft back into the housing and slide the cap down the shaft until the threads engage.
- Tighten the cap to approximately 25 ft-lbs.

If you encounter any problems with your installation and setup, please contact JKS Manufacturing for technical assistance.

JKS Technical Support

Phone 517-278-1226

E-Mail tech@jksmfg.com

Maintenance

The internal components of the Flex Connect are sealed and designed for maintenance free long term performance. Regular lubrication of the Flex Connect eyes is the only maintenance required. Periodically inspect assembly for tightness.

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