



# INSTALLATION INSTRUCTIONS

**Product: Flex Connect Sway Bar Link System™**  
**Part Number: PAC2110**

**Applications: Wrangler JK, 2007-15 with 2-5" Lift**

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## Welcome

CONGRATULATIONS on purchasing the Flex Connect Sway Bar Link System from JKS Manufacturing. We are committed to providing you with the best products available and your satisfaction is our first priority.

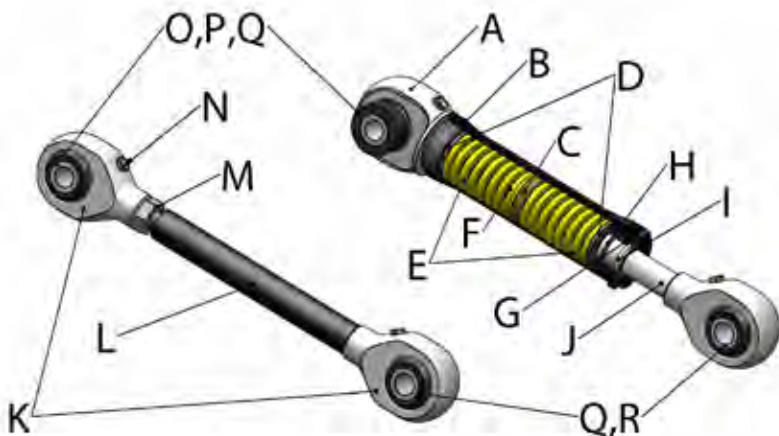
PLEASE READ these Installation Instructions carefully, and save them for future reference, as they contain important installation and maintenance information.

## Tools Required

- Metric/Standard Socket Wrench Set
- Grease Gun with Zerk Fitting Coupler
- Non Petroleum Based Grease

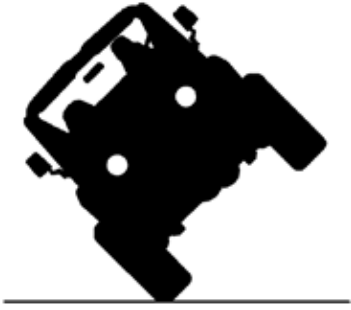
## Parts

	Description	Qty
A	Flex Connect Eye	1
B	Flex Connect Housing	1
C	Bushing	1
D	Spring Washer	2
E	Spring Bushing	2
F	3/8-16" Nylock Nut	1
G	Shaft Bushing	1
H	Rubber O-Ring	1
I	PTFE O-Ring	1
J	Flex Connect Shaft	1
K	Flex Eye	3
L	Sway Bar Link	1
M	Jam Nut	1
N	Needle Grease Fitting	4
O	3/4" x 1.65" Sleeve	2
P	Poly Spacer	2
Q	Spherical Bushing	4
R	3/4" x 1.25" Sleeve	2
	1/2" x 3" Bolt	2
	1/2" x 2-1/4" Bolt	2
	1/2" prevailing torque nut	4
	1/2" SAE washer	4
	12mm washer	4



## 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.*

*Flex Connect Link Measures 9-3/4" eye-eye. Can be installed on other applications. Fitment is up to the installer. If the links being replaced measure longer than 9-3/4" eye-eye, additional modifications may be required to avoid sway bar inversion in full droop conditions. Check link position at full suspension*

*droop before driving. Contact JKS tech support for additional assistance if this condition exists.*

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

## Installation

### ❑ 1. REMOVE ORIGINAL EQUIPMENT (OE) SWAYBAR LINKS

- Disconnect the sway bar links from the axle (18mm) and sway bar. If links are aftermarket, measure eye-eye length. If they are longer than 9-3/4", see "Important Notes". Discard links and hardware.



### ❑ 2. LINK ASSEMBLY

- For packaging, both of the longer sleeves are installed on the Flex Connect link. Remove the longer sleeve and offset spacer from the small eye and swap them over to the adjustable side of the fixed link. Install the short sleeve in the small eye of the flex connect.



- Adjust the fixed link to be of equal length as the flex connect and lock off the jam nut.

**IMPORTANT: Flex eyes must remain parallel with each other when the jam nut is tightened.**

❑ 3. INSTALL FLEX CONNECT LINK

- On the driver's side of the vehicle, install the large eye of the Flex Connect with the grease fittings facing forward to the outside of the sway bar with the poly spacer between the sway bar and the Flex Connect eye.
- Loosely fasten with the 1/2" x 3" bolt. Use the small washer on the spherical bushing side and the large washer on the sway bar side.

*Note: In some cases a rotary grinder may be necessary to slightly open up the sway bar hole to clear the 1/2" bolt. This ensures a tight fit.*

- Loosely fasten the lower eye to the outside of the axle tab with the 1/2" x 2-1/4" bolt using the washers similar to the upper mount.



❑ 4. INSTALL FIXED SWAY BAR LINK

- Install the fixed sway bar link to the outside of the sway bar on the passenger side with the poly spacer between the sway bar and the link eye.
- Using the remaining hardware, fasten the link similar to the steps used for the Flex Connect.

❑ 5. FINAL INSTALLATION STEPS

- Torque all 1/2" bolts to 65 ft-lbs.
- Lubricate all grease fittings on the link eyes immediately after installation using a grease gun and non-petroleum based grease.

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

### Troubleshooting

If swaybar does not rotate freely, remove from vehicle, clean and apply rubber lubricant to chassis-mounted bushings, and reinstall.

### Maintenance

It is important to lubricate the flex eyes frequently for the first three (3) months after installation to evacuate contaminants that may build up during break-in period.

After break-in period, the flex eyes should be lubricated regularly as part of vehicle maintenance schedule.

Regular cleaning with pressurized water is recommended to maximize ease of operation and reliability. Always lubricate afterwards to evacuate any moisture

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## 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

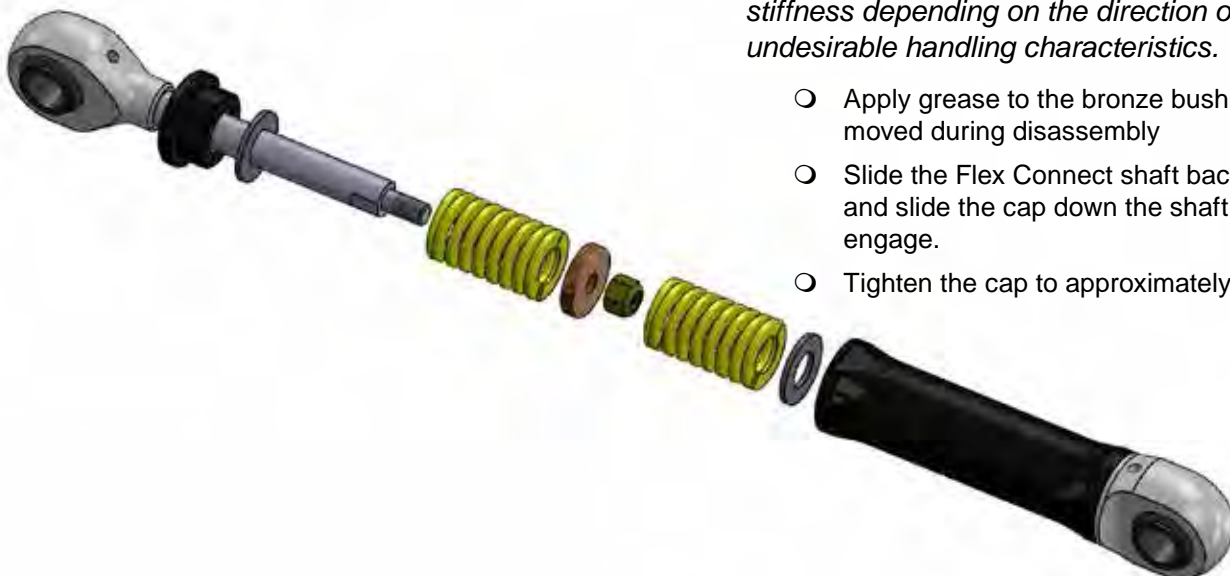
These instructions are written with the assumption the customer has the assembly wrenches included in the Performance Spring Kit. If not, 2 crescent wrenches with jaw openings up to 1-1/2" can be used.

- 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"*



- 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.
- 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.