



rockGEAR™ — RS64102B

Dual Steering Stabilizer Bracket Kit

Fits: 2018 Jeep Wrangler JL
2018-2007 Jeep Wrangler JK

The installation of this kit requires two Rancho RS5405 or RS7405MT steering stabilizers (not included). This kit will work only on vehicles with at least a 2" lift and 2" tall front bump stop spacers (not included). This prevents the steering stabilizer bracket from hitting the track bar at full compression travel.

⚠ WARNING

Carefully read, understand and follow the instructions provided in this manual, and keep it in a safe place for future reference. If you have any doubt whatsoever regarding the installation or maintenance of your Rancho suspension system, please see your retailer for assistance or advice. Failure to follow the warnings and instructions provided herein can result in the failure of the suspension system, or can cause you to lose control of your vehicle, resulting in an accident, severe personal injury or death.

These instructions should remain in the vehicle glove box for future reference.



P/N	DESCRIPTION	QTY.
RS176706	Axle Bracket	1
RS176707	Name Plate Bracket	1
RS176927	Tie Rod Bracket	2
RS860744	Axle Bracket Hardware Kit	1
RS7422	U-Bolt 3/8-16 X 2.75	2
RS7604	Nut, 3/8-16 Nylock	4
RS603508	Washer, 3/8 SAE	4
RS860745	Tie Rod Bracket Hardware Kit	1
RS74181	U-Bolt 5/16-18 X 1.62	4
RS7768	Nut, 5/16-18 Nylock	8
RS7642	Washer, 5/16 SAE	8
RS84101	Instructions - RS64104	1

REMOVE STEERING STABILIZER

- 1) Park the vehicle on a level surface and set the parking brake. Place the wheels in a straightforward position.
- 2) Remove any OE or aftermarket steering stabilizers and mounting brackets.

INSTALL AXLE BRACKET STUDS

- 1) Loosely install mounting studs supplied with steering stabilizers to axle bracket RS176706. Use lock washer behind nut. Loosely install name plate bracket on studs. Torque stud to 40 lb-ft. Remove name plate bracket. See Illustration 1.

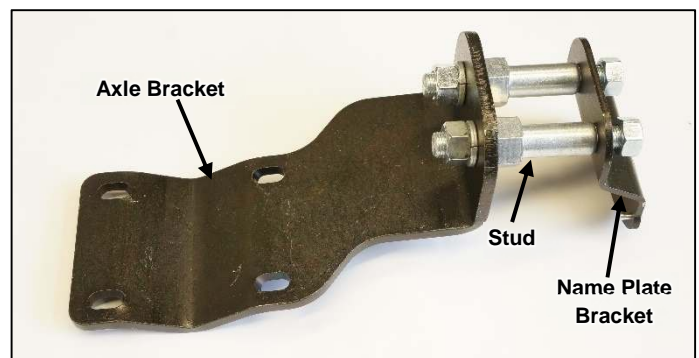


Illustration 1

2018 – 2007 JK BRACKET INSTALLATION

- 1) Attach tie rod bracket RS176927 to top driver side of tie rod using U-bolts and hardware supplied in kit RS860745. Install bracket 1.5" from tie rod adjuster clamp. Snug hardware and rotate bracket slightly forward to allow stabilizer stem to rest in opening of tie rod adjuster clamp. Torque U-bolts to 15 lb-ft. See Illustration 2.

- 2) Attach the other tie rod bracket RS176927 to top passenger side of tie rod. Install bracket 39" from driver side bracket. Measure from the furthest outside face of each bracket. Rotate bracket slightly forward. Torque U-bolts to 15 lb-ft. See Illustration 3

3) Install axle bracket RS176706 to bottom of axle tube using U-bolts and hardware from kit RS860744.

4) With steering centered, position bracket with center of mounting studs $1\frac{1}{4}$ " above top of tie rod and half way between tie rod brackets. Distance from outside surface of tie rod mount to center of stabilizer mounting stud should be 18.75". Torque U-bolts to 30 lb-ft. See Illustration 3, Illustration 4, and Illustration 5.

Note: Check position of bracket after torquing U-bolts. Loosen and repeat step 4 if needed.

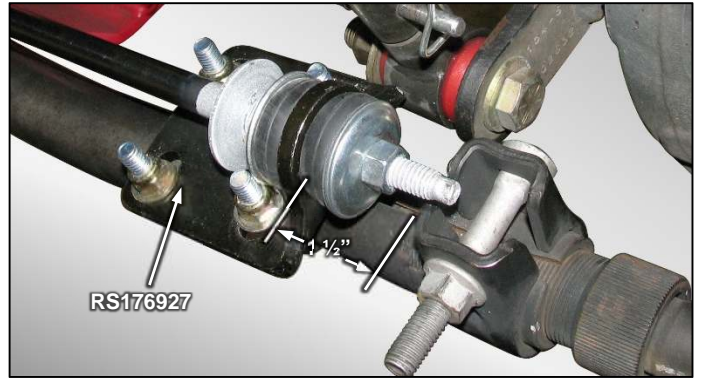


Illustration 2

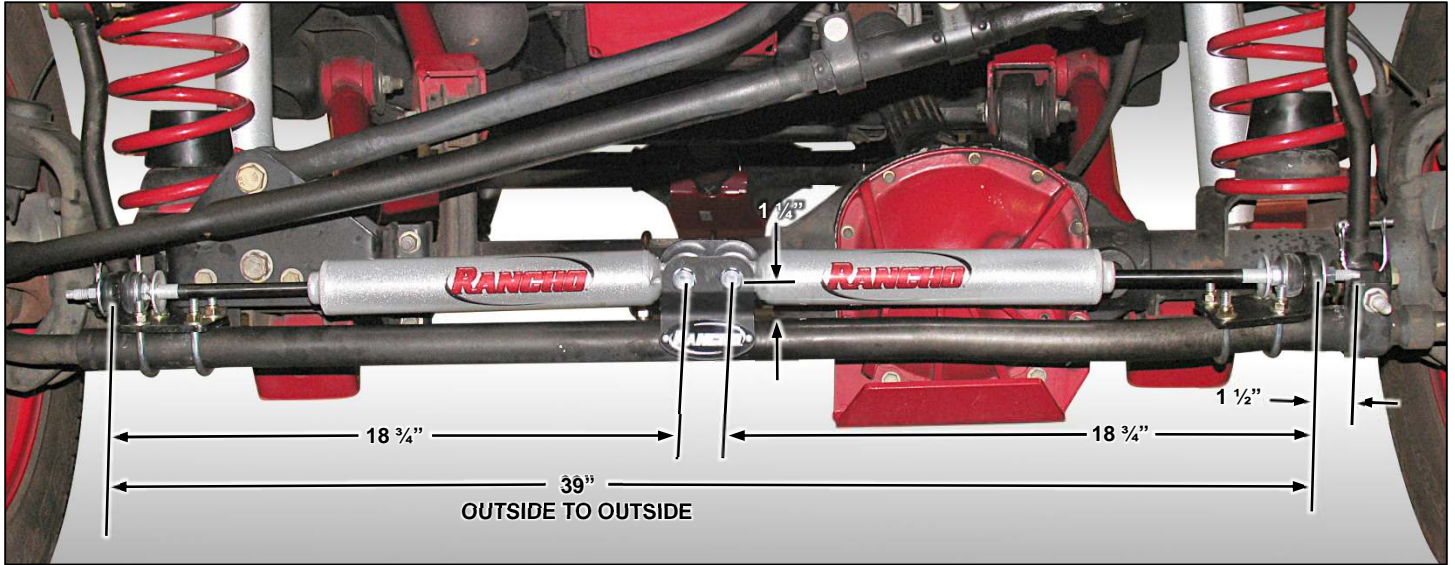


Illustration 3

2018 JL BRACKET INSTALLATION

1) Install axle bracket RS176706 to bottom of axle tube using U-bolts and hardware from kit RS860744. See Illustration 4 and Illustration 5.

2) Position bracket $\frac{5}{8}$ " from the edge of the differential housing, and center of mounting studs $1\frac{1}{4}$ " above top of tie rod. See Illustration 4. Torque U-bolts to 30 lb-ft.

Note: Check position of bracket after torquing U-bolts. Loosen and repeat step 2 if needed.

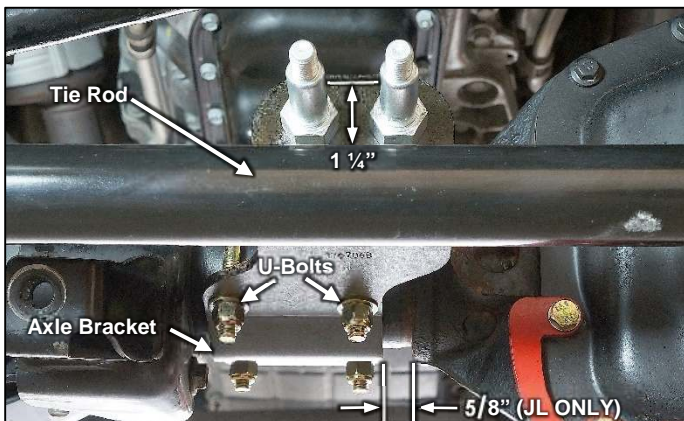


Illustration 4

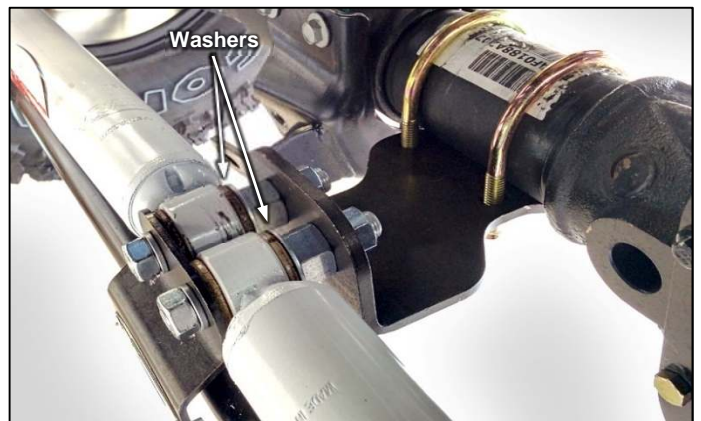


Illustration 5

3) Using Illustration 6 for Rubicon models, and Illustration 7 for non-Rubicon models, attach tie rod brackets RS17927 to top side of tie rod using U-bolts and hardware supplied in kit RS860745.

Measure to inside mounting surface of tie rod brackets. Align brackets level on top of bar. Torque U-bolts to 15 lb-ft.

Note different orientation of driver side brackets.

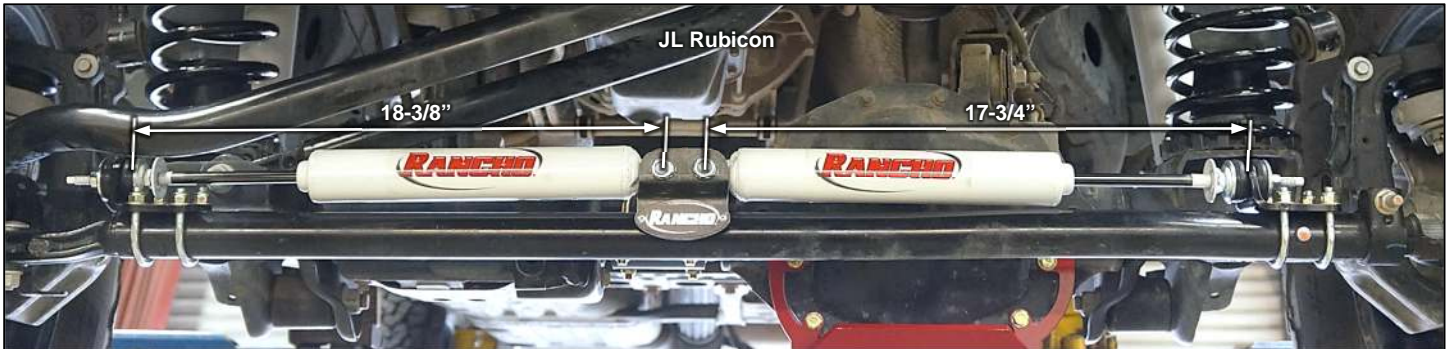


Illustration 6



Illustration 7

ALL MODELS — STEERING STABILIZERS INSTALLATION

1) Loosely install stem end of steering stabilizer to tie rod bracket using hardware supplied with steering stabilizers. Do not use dust boot. See Illustration 6 and Illustration 7.

2) Slide large washer supplied with steering stabilizers and loop end bushing of steering stabilizer onto axle bracket mounting stud. See Illustration 5.



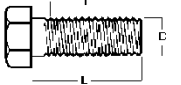

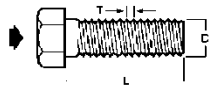
3) Install name plate bracket RS176707 using supplied nuts and lock washers. Torque hardware to 25 lb-ft. Torque stabilizer stem nut to 25 lb-ft.

4) Turn wheels completely in both directions. Verify that the steering stops on the knuckle make contact and the stabilizer shock does not bottom out or over extend. Verify that the brackets and stabilizer shocks do not bind or interfere with other components.

Torque Specs

Mounting Studs to Axle Bracket	40 lb-ft
Axle Bracket U-Bolts	30 lb-ft
Tie-Rod Bracket U-Bolts	15 lb-ft
Stabilizer to Axle Bracket Studs	25 lb-ft
Stabilizer Stud to Tie Rod Bracket	25 lb-ft

STANDARD BOLT TORQUE & IDENTIFICATION						
INCH SYSTEM			METRIC SYSTEM			
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 8.8	Class 10.9	Class 12.9
5/16	15 LB-FT	20 LB-FT	M6	5 LB-FT	9 LB-FT	12 LB-FT
3/8	30 LB-FT	35 LB-FT	M8	18 LB-FT	23 LB-FT	27 LB-FT
7/16	45 LB-FT	60 LB-FT	M10	32 LB-FT	45 LB-FT	50 LB-FT
1/2	65 LB-FT	90 LB-FT	M12	55 LB-FT	75 LB-FT	90 LB-FT
9/16	95 LB-FT	130 LB-FT	M14	85 LB-FT	120 LB-FT	145 LB-FT
5/8	135 LB-FT	175 LB-FT	M16	130 LB-FT	165 LB-FT	210 LB-FT
3/4	185 LB-FT	280 LB-FT	M18	170 LB-FT	240 LB-FT	290 LB-FT

<p>1/2-13x1.75 HHCS</p> <p style="text-align: center;"> D T L X </p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Grade 5</p> </div> <div style="text-align: center;">  <p>Grade 8</p> </div> </div>  <p>G = Grade Marking (bolt strength) D = Nominal Diameter (inches) T = Thread Pitch (threads per inch)</p> <p>L = Length (inches) X = Description (hex head cap screw)</p>	<p>M12-1.25x50 HHCS</p> <p style="text-align: center;"> D T L X </p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>10.9</p> </div> </div>  <p>P = Property Class (bolt strength) D = Nominal Diameter (millimeters) T = Thread Pitch (thread width, mm)</p> <p>L = Length (millimeters) X = Description (hex head cap screw)</p>
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