

INSTALLATION INSTRUCTION

88621

Rev B

RANCHO REAR BUMPER KIT RS6221B

READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION



Parts List

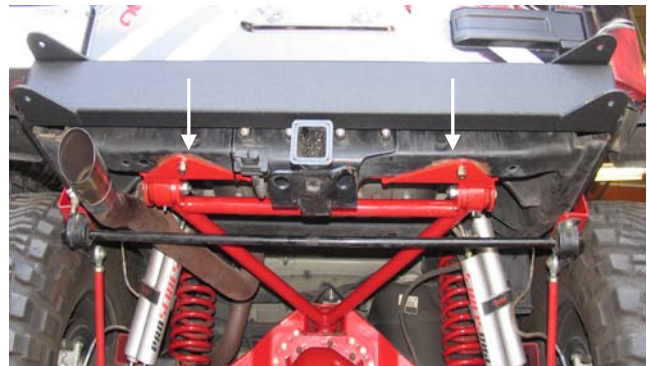
<u>Part No.</u>	<u>Description</u>	<u>Qty.</u>	<u>Part No.</u>	<u>Description</u>	<u>Qty.</u>
860661	Hardware Kit	1	176567B	Tire Carrier	1
420091	Pivot Sleeve	1			
520091	Pivot Bushing	2	176568B	Rear Bumper	1
520092	Bushing	2			
770198	Hitch Pin	1	176547	OE Wheel Spacer	1
770207	Hitch Pin Clip	1			
	½"-13 Stover Nut	1	860662	Hardware	
	½" USS washer	2	420069	Crush Sleeve, long	1
	½"-20 x 1.75 HHCS	3	420070	Crush Sleeve, short	1
	½" -20 x 3.00 HHCS	3		M12-1.75 x 100 HHCS	2
	½" Lock washer	5		M12-1.75 Stover Nut	2
	M12-1.75 x 50 HHCS	1		M12 Washer	4
	M12-1.75 x 30 HHCS	1		D Washer	2
	M12 -1.75 Flange Nut	2			
	M12 SAE Washer	3	88621	Installation Instruction	1
	½" - 13 x 5.5 HHCS	1			

- 1) Support the rear bumper. Remove the bumper bracket bolts at the frame rails. Save bolts for reuse.
- 2) Remove the crossmember support bolts. Remove the rear bumper assembly.
- 3) Temporarily attach rear bumper 176568B to the frame rails with the original hardware. See illus 1.



Illus 1

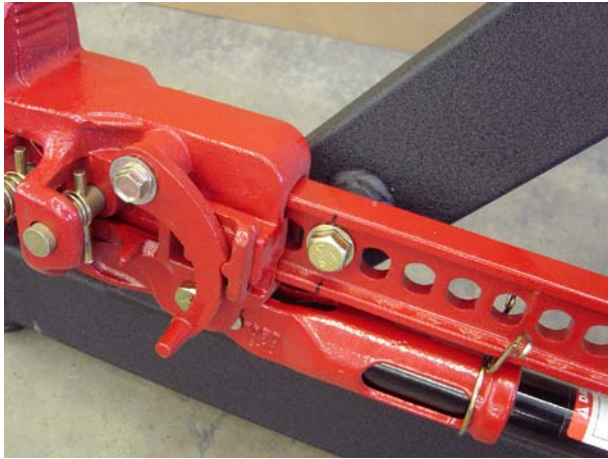
- 4) Using bumper 176568B as a template, mark the mounting hole locations on the top and bottom of the crossmember. Remove the bumper.
- 5) Enlarge both slotted holes on the passenger side and the top hole on the driver side to 3/4" at the marked locations.
- 6) Drill a 1/2" hole in the bottom of the crossmember on the driver side.
- 7) Insert the shorter crush sleeve (420069) into the driver side hole. Insert the longer crush sleeve (420070) into the passenger side holes. See illus 2.
- 8) While holding the longer crush sleeve, reinstall bumper 176568B.
- 9) Insert the supplied D washers under the bumper crossmember brackets and on top of the crush sleeves.



Illus 2

NOTE: Crush sleeve and D washer installation is not required if your vehicle has an installed RS6509B suspension system.

- 10) Attach bumper to crossmember with the 12mm hardware from kit 860662. Attach bumper to the frame rails with the original bolts. Tighten all nuts and bolts to 55 ft. lbs.
- 11) Press bushings (520091, bushing with larger ID) into tire carrier 176567B on desired pivot side with a small amount of lithium grease. In most cases, passenger side is best for pivot side.
- 12) Apply lithium grease to the inside of the bushings. Insert the longer pivot sleeve (420091) into the passenger side and the shorter hitch pin sleeve (422) into the driver side.
- 13) Press bushings (520092, bushing with smaller ID) into tire carrier 176567B on desired latch side with a small amount of lithium grease.
- 14) Attach the tire carrier assembly to the passenger side mount of bumper 176568B with the supplied 1/2" hardware and 2 USS washers. Tighten nut and bolt to 65 ft. lbs. Note: Passenger side is suggested. Some configurations may work better on driver side.
- 15) If applicable, attach jack to inside of tire carrier with the supplied 12mm hardware. Use 30mm bolt on passenger side mount. Hardware order is bolt, lock washer, SAE washer, jack, welded bung. See illus 3.



Illus 3

- 16) On driver side, use M12 x 50mm bolt to secure jack. Hardware order is bolt, lock washer, SAE washer, jack, SAE washer, flange nut, tire carrier bracket, than flange nut. Both flanges should face bracket slot. See illus 4.



Illus 4

- 17) Attach the tire carrier assembly to driver side mount with hitch pin 770198. Install the hitch pin clip 770207. See illus 5.



Illus 5

This kit contains hardware to fit OE wheels and aftermarket wheels. OE lug nuts can be used to secure wheel to tire carrier.

- 1) For OE wheel mount: Insert longer ½" bolts in mount plate with provided wheel spacer. Secure wheel spacer to tire carrier with 1 short ½" bolt as shown in illus 6.



Illus 6

- 2) For aftermarket wheel with 4.5" backspacing, install ½" shorter bolts in mount plate and secure wheel.
- 3) Secure wheel to tire carrier.

CAUTION: Do not install a spare tire and wheel weighing more than 100 lbs. Do not use wheel spacer on drive wheel, use as a spare tire spacer only.

Notes_____

[illegible]