

INSTALLATION INSTRUCTION

88638

Rev B

Rancho Third Brake Light Kit **RS6238** for Rancho Spare Tire Carriers (JK) RS6235B, RS6221B, (TJ) RS6243B, RS6229B, and 2.25" ID Tubes

READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION



P/N	DESCRIPTION	QTY
RS96404	LED Brake Light Kit	1
RS96405	7 LED Light	1
	Connecting Wire	1
	Male Bullet Connector	1
	Female Bullet Connector	1

P/N	DESCRIPTION	QTY
RS176687	Brake Light Boot	1
RS770257	Grommet	1
136763624	Wire tie	5
	Wire- white	6'
	Wire- black	6'

P/N	DESCRIPTION	QTY
	Butt Connector	2
RS96317	Split Loom, 3/8"	4.5'
RS770095	Loop Strap, 1/2"	1
	STHC #10 X 3/8	
RS88638	Instructions	1

- 1) Remove tire from Rancho spare tire carrier.
- 2) Insert grommet into hole in spare tire support tube of Rancho spare tire carrier. See illustrations 3 & 4.
NOTE: For earlier versions of Rancho spare tire carrier without hole in spare tire support tube, drill 1/2" hole in grommet location shown in illustrations 3 & 4.
- 3) Insert LED light RS96405 into brake light boot RS176687 and attach connecting wire to LED light. See illustration 1.

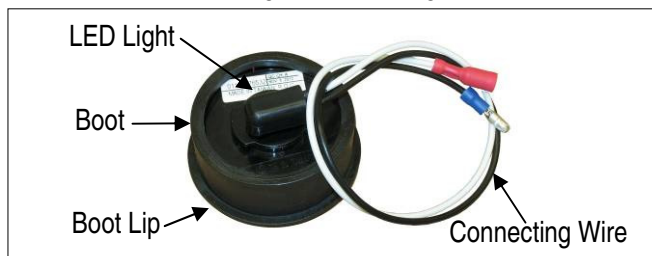
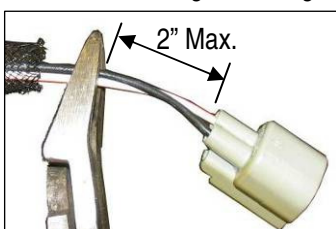
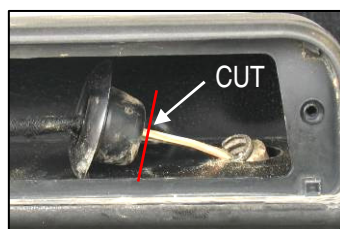


Illustration 1

- 4) Cut JK OE third brake light wire harness within 2 inches of connector, or for TJ cut wire flush with grommet that held wire in OE light housing See illustration 2.



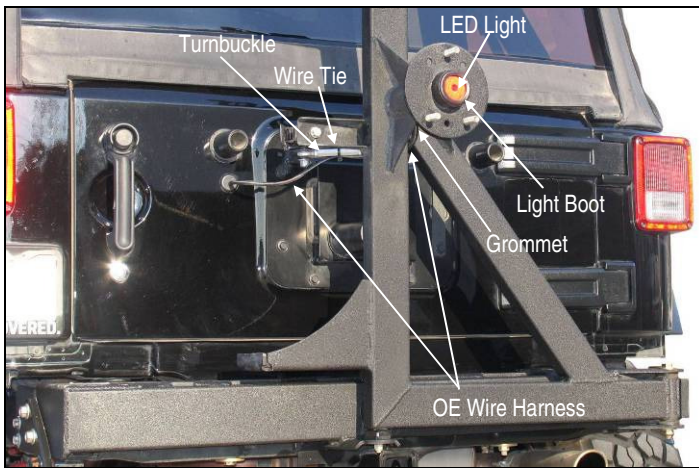
JK



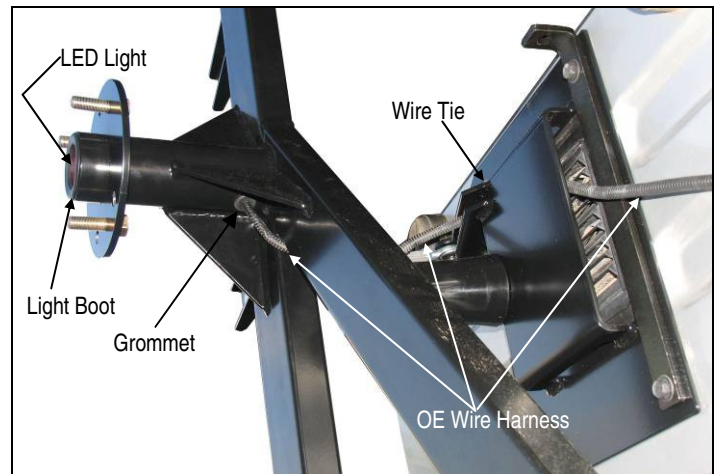
TJ

Illustration 2

- 5) For Rancho spare tire carriers RS6235B & RS6243B:
Continue with step 6
For Rancho spare tire carriers RS6221B & RS6229B:
Skip to ADDITIONAL INSTRUCTIONS on next page
- 6) For JK models: Feed OE wire harness under turnbuckle, between uprights, through grommet and out of spare tire support tube of spare tire carrier. If wire is too short, open rear tailgate fully. See illustration 3.
- 7) For TJ models: Feed OE wire harness behind door vent cover, between uprights, through grommet and out of spare tire support tube of spare tire carrier. If wire is too short, splice in more wire as needed. See illustration 4.
- 8) Strip 1/4" of insulation from each wire of the wire harness and crimp on supplied bullet connectors using electrical crimping pliers.
- 9) Plug connectors on wire harness fully into LED light connecting wire. Cover connectors with electrical tape or shrink tubing.
- 10) Adjust length of wire. Using supplied wire tie, loosely attach wire to turnbuckle (JK), or door vent cover (TJ). Open and close tailgate and spare tire carrier and adjust wire harness as needed. Pull wire ties tight.. See illustrations 3 and 4.
- 11) Lube brake light boot with silicone spray, or soapy water and push LED light with boot into spare tire support tube. See illustrations 3 and 4.



JK – Illustration 3



TJ– Illustration 4

ADDITIONAL INSTRUCTIONS For Rancho Spare Tire Carriers RS6221B (JK) & RS6229B (TJ)

- 1) Route OE wire harness along back of tailgate, or JK models can go through inside of tailgate and out CB antenna wire hole if desired.
- 2) Using supplied butt connectors, splice supplied wire to OE harness. Strip ¼" of insulation from each wire and crimp connectors using electrical crimping pliers. Cover connectors with shrink tubing or electrical tape.
- 3) Route wire to passenger side corner of bumper, up upright, through grommet and out of spare tire support tube of Rancho spare tire carrier. Use wire ties to loosely secure wire as shown in illustration 4.
- 4) Open and close spare tire carrier and tailgate, adjusting wire as needed.
- 5) Secure wire to bumper with supplied loop strap and self tapping screw. Use 5/32 drill for screw.
- 6) Feed wire, between uprights, through grommet and out of spare tire support tube of spare tire carrier
- 7) Continue with step 8 of instructions.

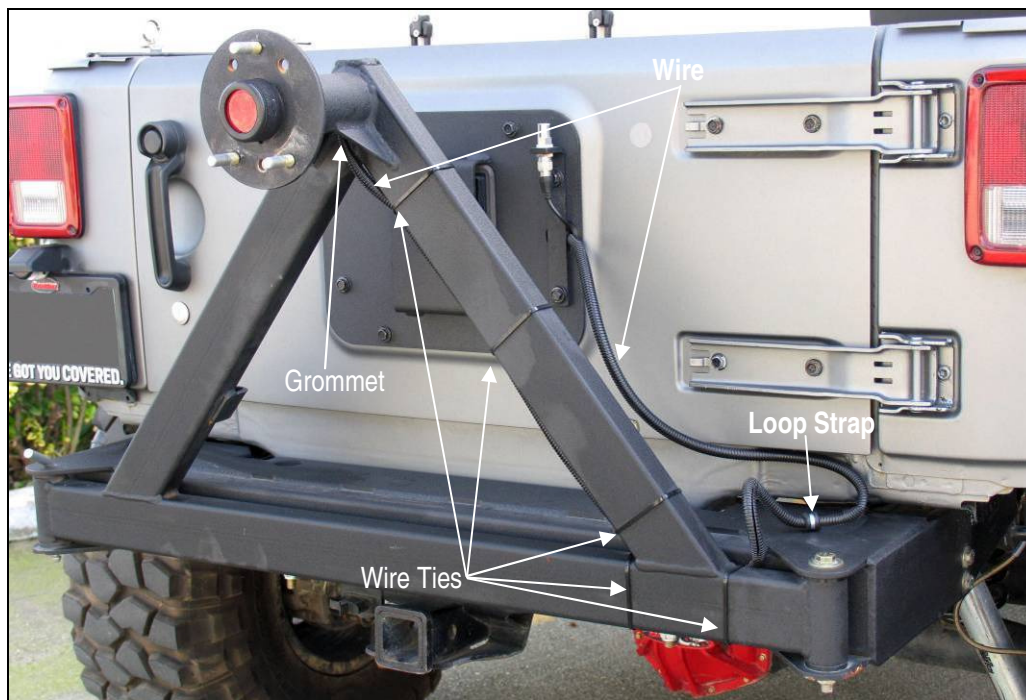


Illustration 4