



## **Installation Instructions**

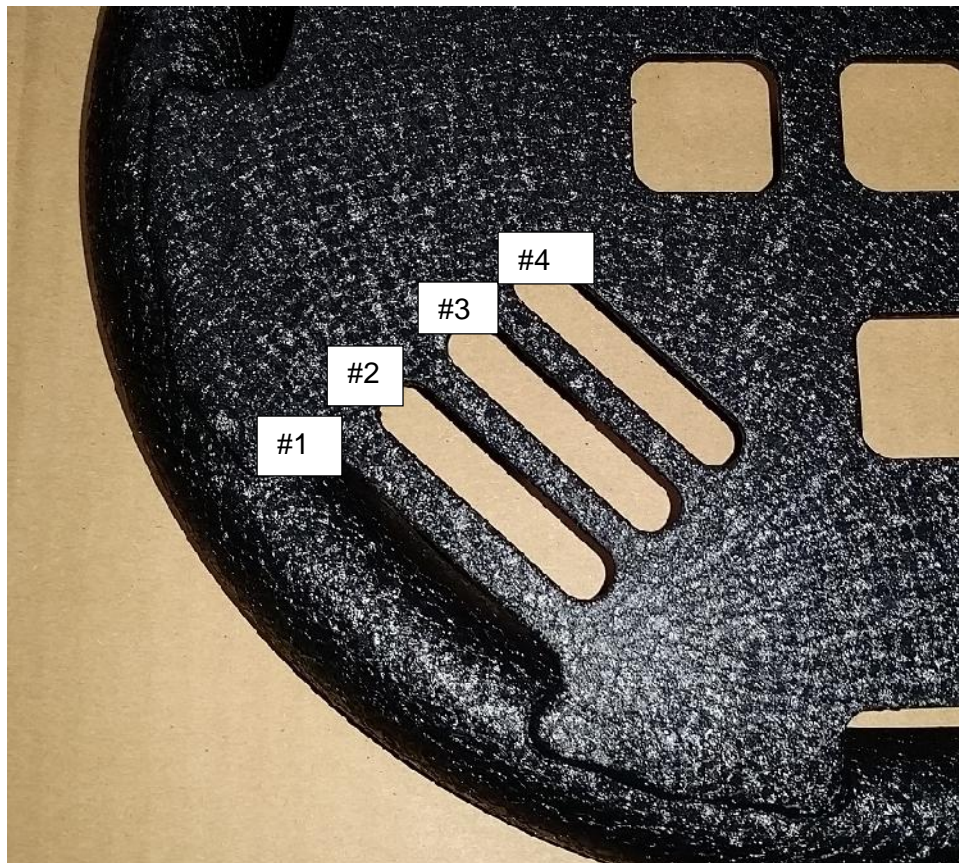
Part # 2739

Bottom Strap Installation

Make sure the straps are threaded correctly and the hook attaches to the lower mounting plate without being twisted.

Starting from the outside of the I-rack. **"In"** refers to the inside of the I-rack closest to the tire. **"Out"** refers to the outside of I-rack, away from the tire.

1. **"In"** thru slot#1. Fig 1.
2. **"Out"** thru slot #2. Fig 2.
3. **"In"** thru slot #3. Fig 3.
4. **"Out"** thru slot #4. Fig 4.
5. **"In"** thru slot#2. Fig 5.
6. **"Out"** thru slot#1. Fig 6.
7. **"In"** thru slot#4. Fig 7.
8. **"Out"** thru slot #1. Fig 8.



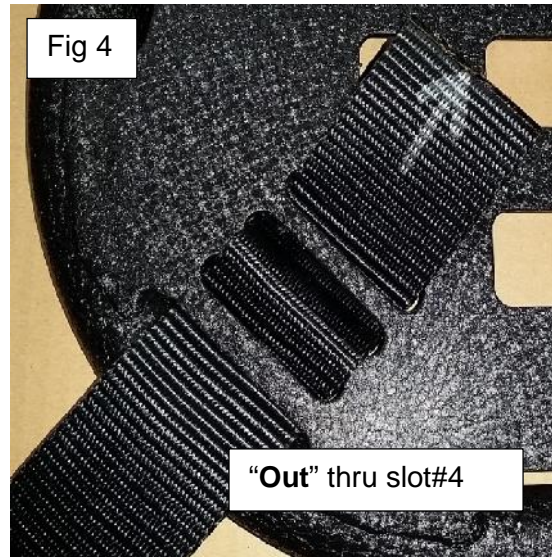
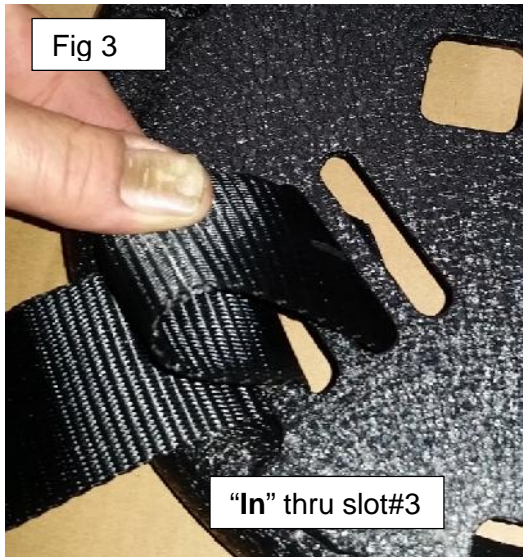




## Installation Instructions

Part # 2739

Bottom Strap Installation



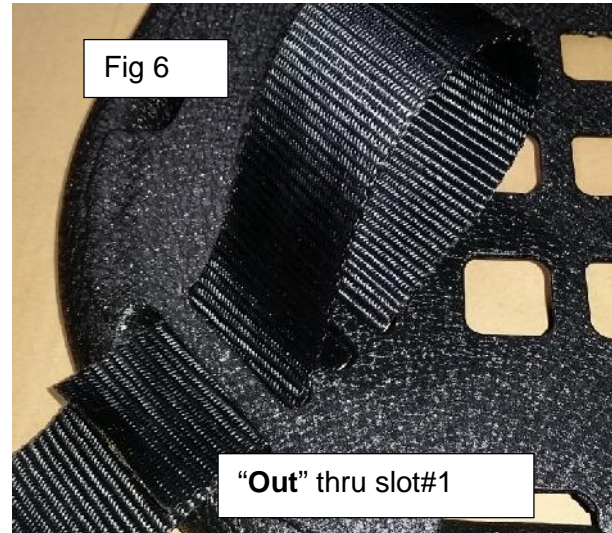
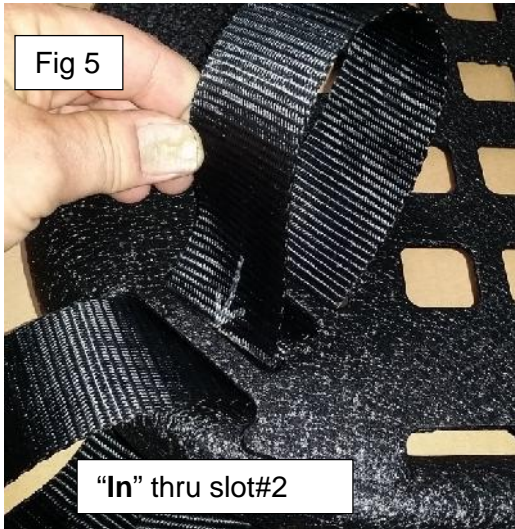




## Installation Instructions

Part # 2739

Bottom Strap Installation





## Installation Instructions:

(Part # SB2739)

*I-Rack 2*

(Intelligent Racking System)

**NOTE:** Carefully read entire instructions thoroughly before attempting to install this part.

**CAUTION!:** Adding excessive weight to the tire carrier may cause failure.

**NOTE:** If your installation requires multiple gas can mounts, an additional gas can mounting kit (SB2740-01) can be purchased separately.

Parts Included	Qty
93-328EP001 I-Rack 2 Main Body	1
90-328EP002 Nylon Strap	1
90-328EP003 Ratcheting Tensioner	1
90-328EP004 Upper Mounting Plate	1
90-328EP005 Lower Mounting Plate	1
90-328EP006 Molle Offset Washer	6
90-328EP007 Molle Washer	6
90-328EP008 Nylon Strap	3
98416A531 Locking Pin	1
90-1216 Load Washer	6

### I-Rack 2 Mounting Instructions:

**Step 1:** Remove the spare tire from the tire carrier. (Fig. A)

**Step 2:** Install the upper mounting plate (90-328EP004) and lower mounting plate (90-328EP005) onto the tire carrier spare tire mounting studs. (Fig. A)

---



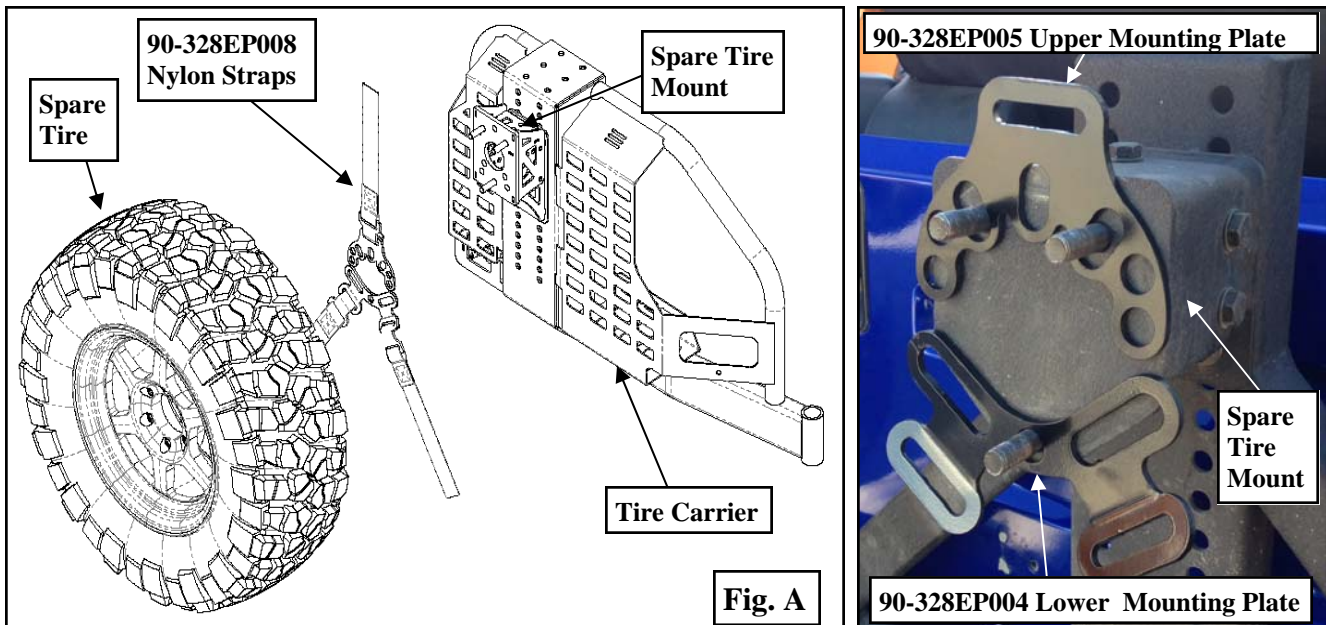


## Installation Instructions:

(Part # SB2739)

### I-Rack 2

(Intelligent Racking System)

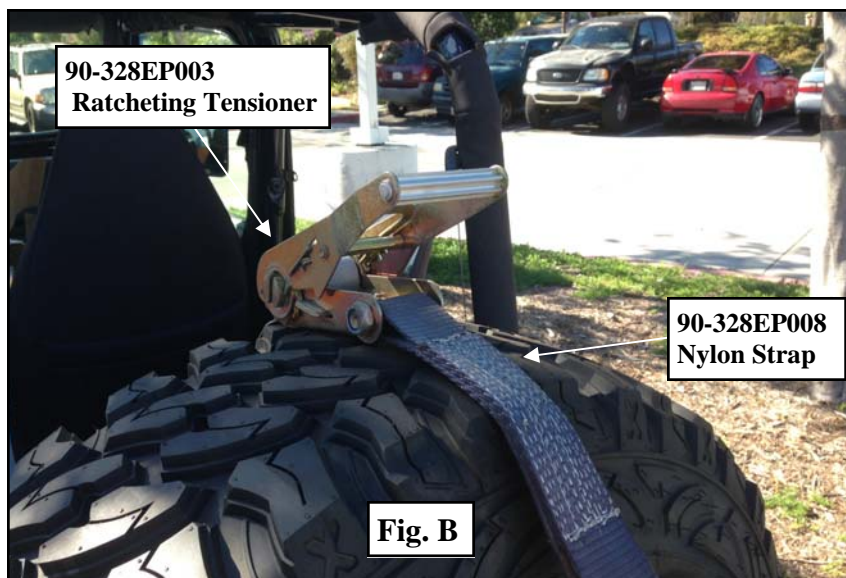


**Step 3:** Install the (3) nylon strap (90-328EP008) hooks into the upper (90-328EP005) and lower (90-328EP004) mounting plates. (Fig. A)

*NOTE: Drape the top strap over the top of the spare tire.*

**Step 4:** Reinstall the spare tire to the tire carrier mount and secure with the previously removed lug nuts. (Fig. A)

**Step 5:** Feed the nylon strap (90-328EP008) into the slot in the ratcheting tensioner (90-328EP003) and crank the ratchet a few times to secure the nylon strap. (Fig. B)





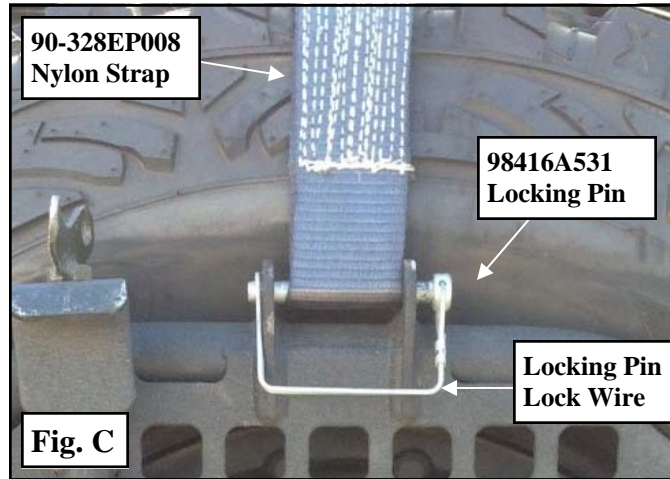
## Installation Instructions:

(Part # SB2739)

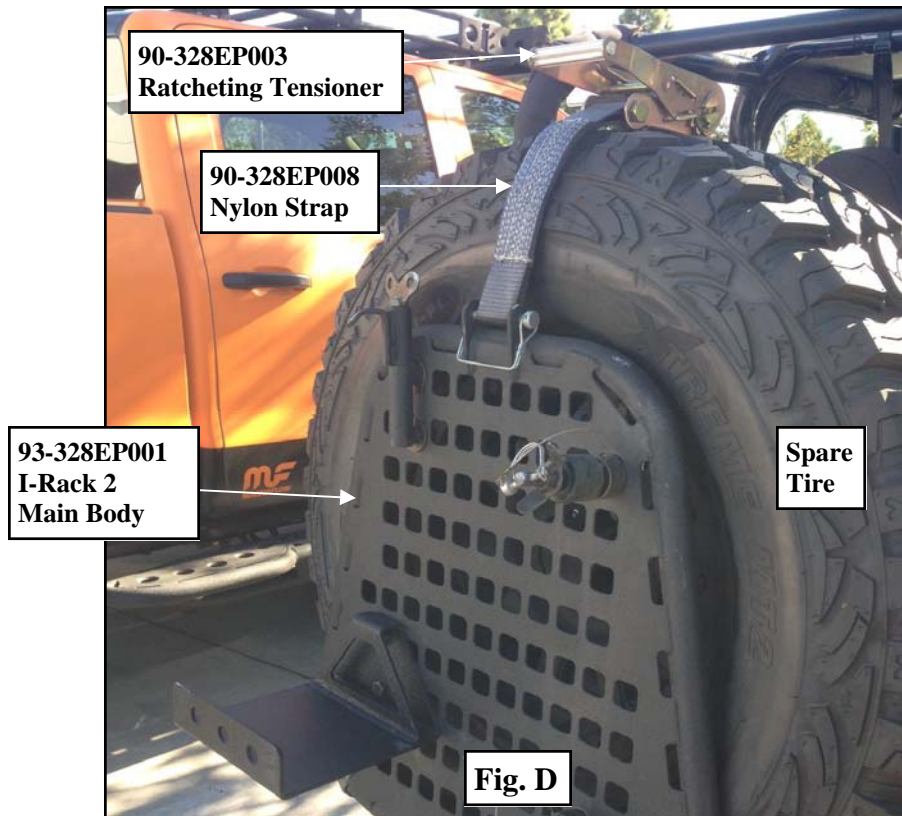
### I-Rack 2

(Intelligent Racking System)

**Step 6:** Insert the locking pin (98416A531) through the end of the nylon strap (90-328EP008) and the I-Rack 2 main body (93-328EP001) upper mount. Secure the with locking pin lock wire. (Fig. C)



**Step 7:** Adjust the top nylon strap (90-328EP008) length in the ratchet so the I-Rack 2 main body (93-328EP001) hangs approximately one inch lower than center on the spare tire. Allow the I-Rack 2 main body to hang in place by the upper strap. (Fig. D)





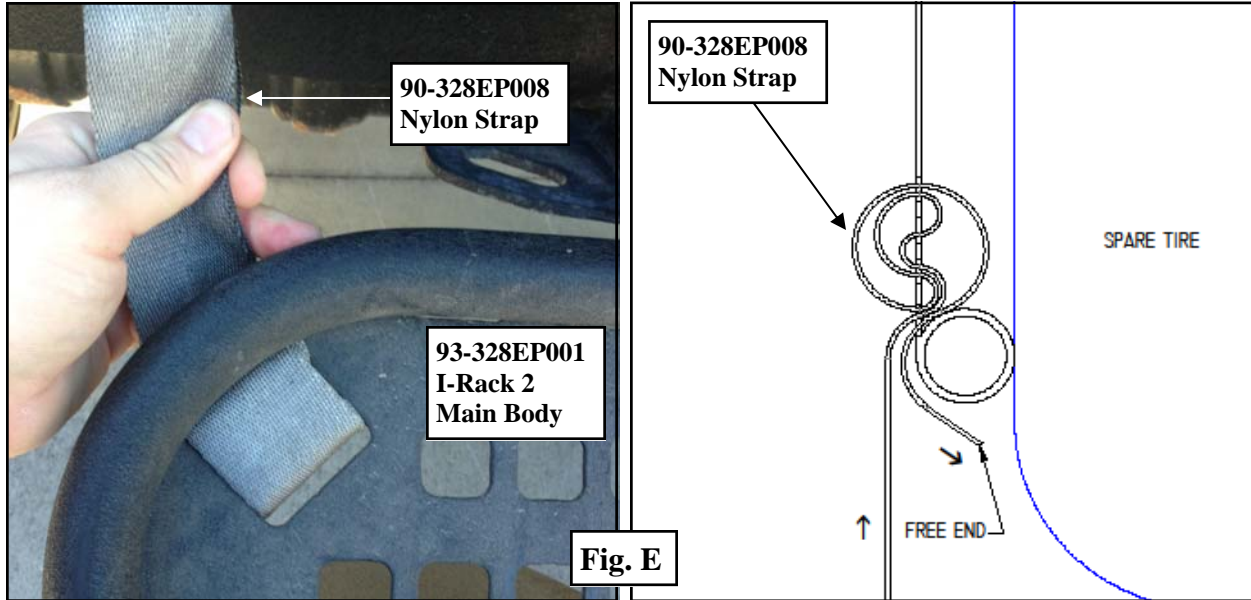
## Installation Instructions:

(Part # SB2739)

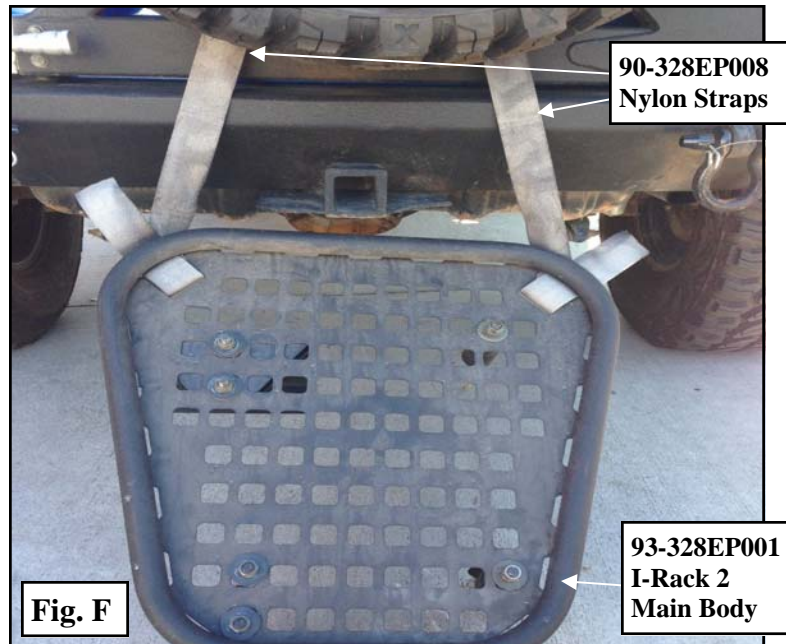
### I-Rack 2

(Intelligent Racking System)

**Step 8:** Feed the lower nylon straps (90-328EP008) through the front of the I-Rack 2 main body (93-328EP001) and loop the straps through the slots taking up as much slack as possible. Refer to figure E for the proper strap routing configuration. (Fig. E)



**IMPORTANT!:** The left and right lower straps (90-328EP008) must be the same length after being installed. It may be necessary to remove the I-rack 2 main body (93-328EP001) and adjust the straps on the ground if the proper length cannot be achieved. (Fig. F)







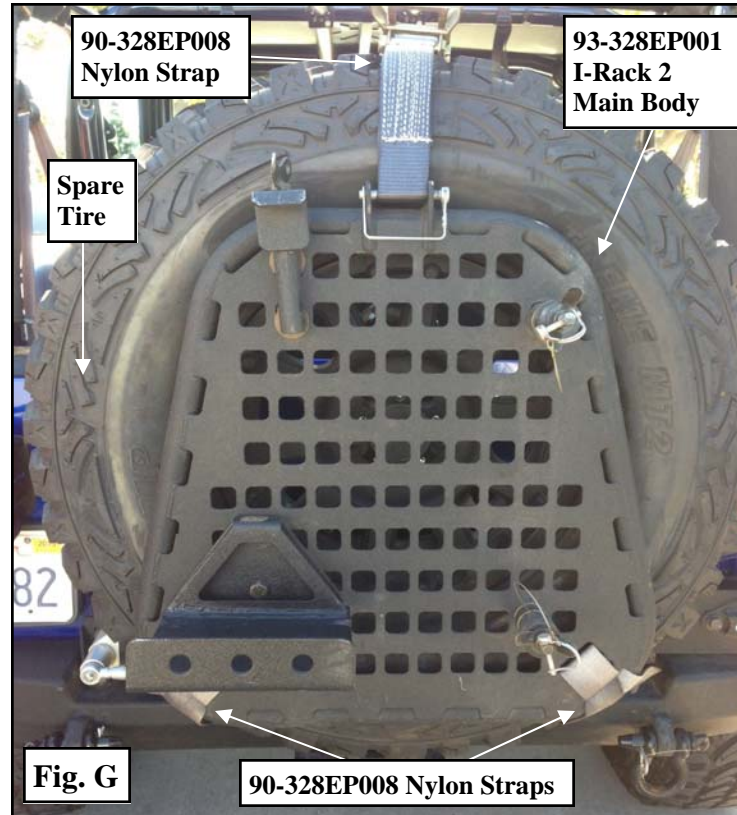
## Installation Instructions:

(Part # SB2739)

I-Rack 2

(Intelligent Racking System)

**Step 9:** With all (3) nylon straps (90-328EP008) attached, crank the ratcheting tensioner (93-328EP003) until the I-Rack 2 main body (93-328EP001) is secured as tightly as possible against the spare tire. (Fig. G)



**Step 10:** Check that the I-rack 2 main body (93-328EP001) is centered on the spare tire. Adjust the lower nylon straps (90-328EP008) if necessary. (Fig. F)

**IMPORTANT!:** The left and right lower straps must be the same length after being installed.

**Step 11:** Installation is now complete.

### Optional Trimming Strap Instructions:

**Step 1:** With the I-Rack 2 assembly properly secured in place, be sure that the ratcheting tensioner (90-328EP003) has taken up at least one full rotation of nylon strap.

**Step 2:** Leaving at least 4" of excess strap, mark all (3) nylon straps (90-328EP003) for trimming.

**Step 3:** Remove the I-Rack 2 Assembly from the vehicle and trim the nylon straps (90-328EP003) using heavy duty shears or another appropriate cutting tool.

---





## Installation Instructions:

(Part # SB2739)

*I-Rack 2*

(Intelligent Racking System)

**Step 4:** In a well ventilated area and taking the proper safety precautions, seal the cut ends of the nylon strap (**90-328EP003**) using a lighter. Keep the flame moving back and forth, heating the nylon gradually, until the cut end liquefies and seals over itself. An uninterrupted bead of solid nylon should encapsulate the cut end of the nylon straps.

***IMPORTANT!:*** *DO NOT allow the flame to touch the nylon strap. DO NOT touch the melted nylon until has sufficiently cooled.*

---



# Installation Instructions:

(Part # SB2739)

I-Rack 2

(Intelligent Racking System)

Bolt Torque and ID						
Decimal System			Metric System			
All Torques in Ft. Lbs.						
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 9.8	Class 10.9	Class 12.9
5/16	15	20	M6	5	9	12
3/8	30	45	M8	18	23	27
7/16	45	60	M10	32	45	50
1/2	65	90	M12	55	75	90
9/16	95	130	M14	85	120	145
5/8	135	175	M16	130	165	210
3/4	185	280	M18	170	240	290

<p>1/2-13x1.75 HHCS</p> <p><b>Grade 5    Grade 8</b></p> <p>(No. of Marks + 2)</p> <p><b>D    T    L    X</b></p> <p>G = Grade (Bolt Strength)  D = Nominal Diameter (Inches)  T = Thread Count (Threads per Inch)  L = Length (Inches)  X = Description (Hex Head Cap Screw)</p>	<p>M12-1.25x50 HHCS</p> <p><b>D    T    L    X</b></p> <p>P = Property Class (Bolt Strength)  D = Nominal Diameter (Millimeters)  T = Thread Pitch (Thread Width, mm)  L = Length (Millimeters)  X = Description (Hex Head Cap Screw)</p>
---	---