



# Installation Instructions:

(Part # SB2740)

## I-Rack

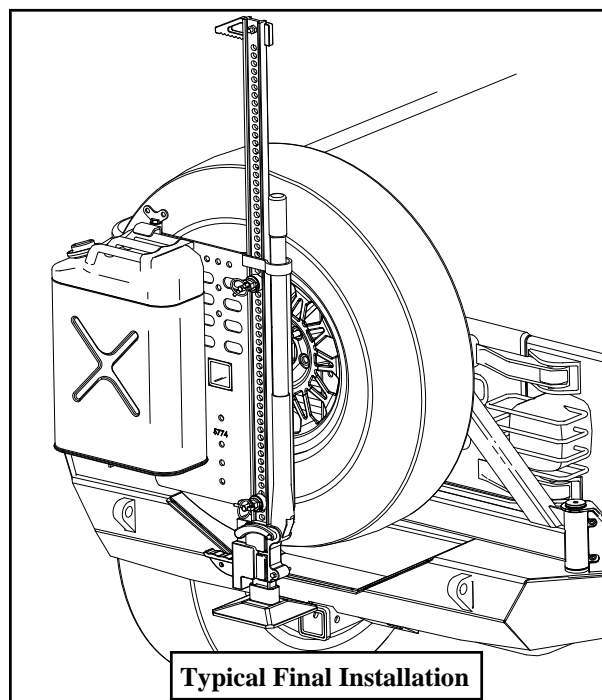
(Intelligent Racking System)

**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	Parts Included	Qty
90-4249 Jack Mount Stud	2	90-6723 Hardware Pack: Jack & Gas Can	1
90-5761 Wing Bolt 1 1/4": Main Body	2	1/2" Hex Nut Gr. 8	6
90-5763 Wing Bolt 5 1/2": Gas Can Mount	1	1/2" Split Lock Washer	6
90-5765 1/2" Wing Nut: Jack Mount Stud	2	1/2" SAE Flat Washer	6
90-5767 Gas Can Retainer	1	P1029 Hardware Pack: Jack Mount Stud	2
93-5769 Stem Mount	1	Cushion	2
90-4251 Gas Can Upper Mount	1	Retainer	2
93-5771 Gas Can Lower Mount	1	Nut	1
93-5774 I-Rack Main Body	1	90-5777 Nut Plate: Main Body	1
90-2466 Jack Mount Stud Spacer	2	90170A212 Quick Disconnect Pin	2



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### Main Body Mounting Instructions:

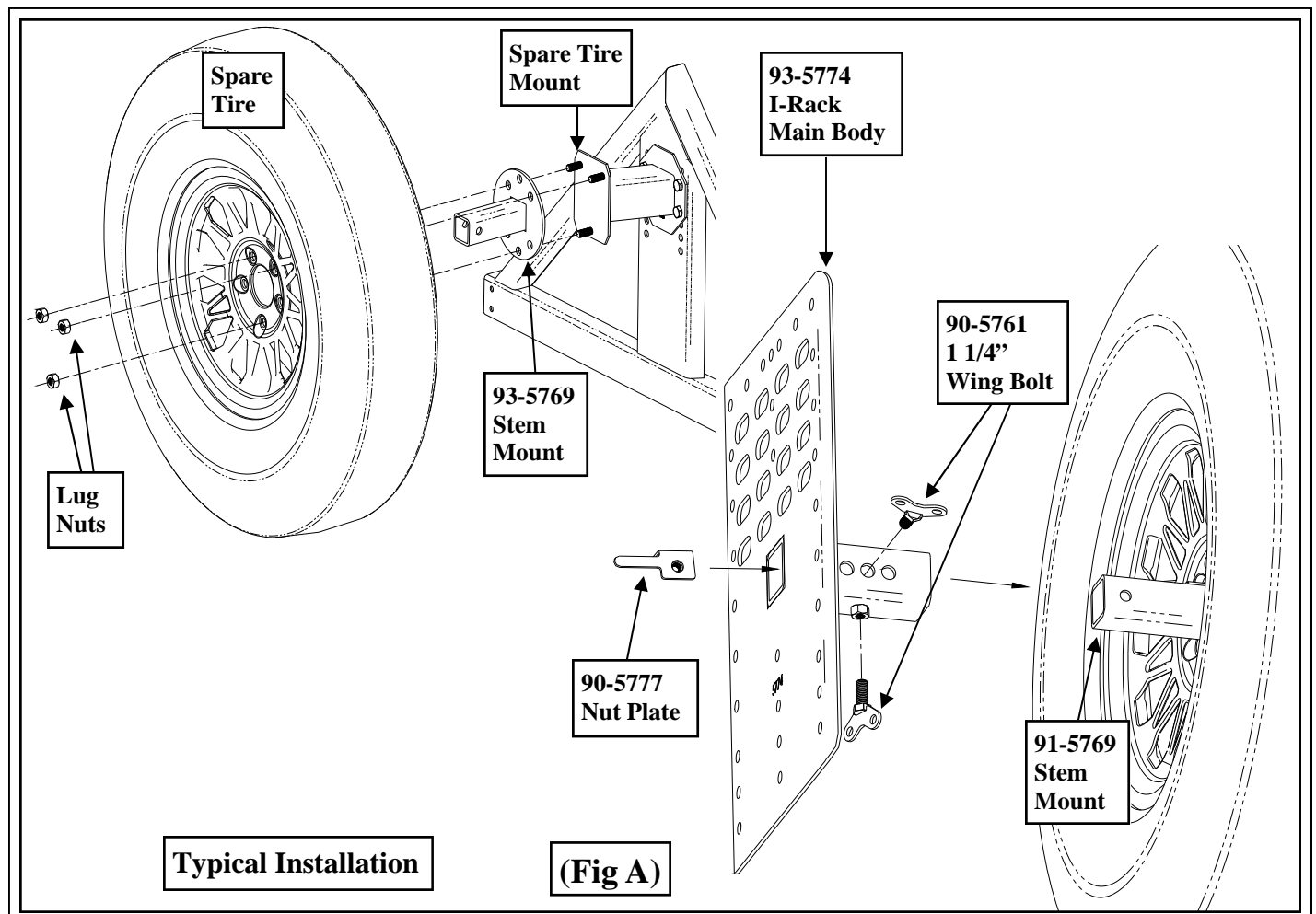
**Step 1:** Remove the spare tire from the tire carrier. (Fig. A)

**Step 2:** Install the stem mount (93-5769) onto the spare tire mounting studs. Reinstall the spare tire and secure with the previously removed lug nuts. (Fig. A)

**NOTE:** *Jeep TJ will use the smaller bolt pattern and the Jeep JK will use the larger bolt pattern.*

**Step 3:** Carefully install the I-Rack main body (93-5774) receiver onto the stem mount (91-5769) and secure using the supplied nut plate (90-5777) and 1 1/4" wing bolt (90-5761) in one of the side locating oval holes that best fits your application. (Fig. A)

**Step 4:** Once installation of the I-Rack main body is completed install the remaining 1 1/4" wing bolt (90-5761) into the welded nut on the bottom of the I-rack body receiver. This will remove any excess play in the assembly and secure it firmly in place. (Fig. A)



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Smittybilt, 400 W Artesia, Compton, CA 90220



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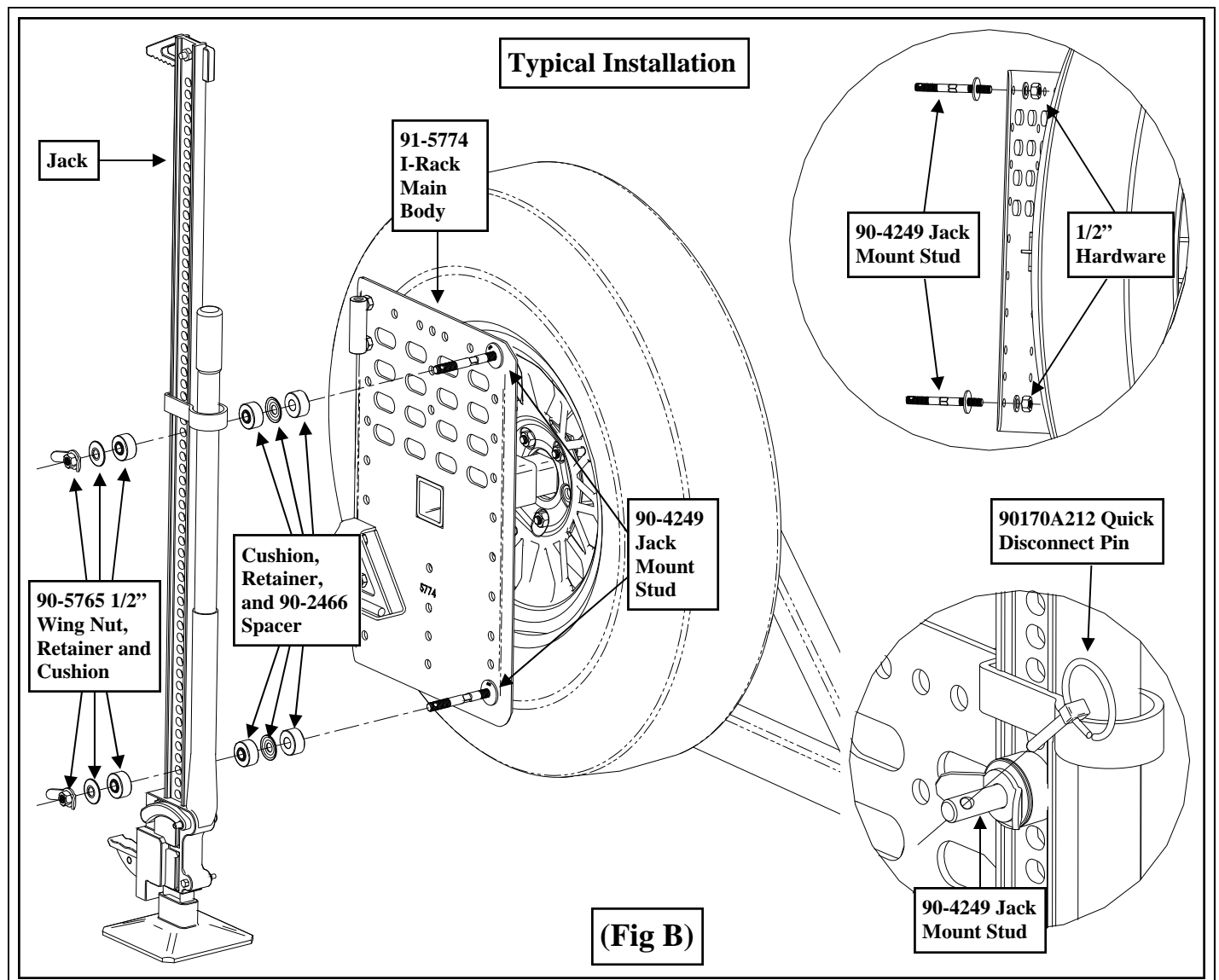
(Intelligent Racking System)

### Jack Mounting Instructions:

**Step 1:** Choose mounting the holes that mount the jack at your desired height. Install the jack mount studs (90-4249) into the previously chosen holes in the I-Rack main body and secure using the 1/2" hardware. (Fig B)

**Step 2:** Install the Jack onto the mounting studs (90-4249) using the supplied spacers (90-2466), cushions and retainers from pack (P-1029). Secure using 1/2" wing nuts (90-5765). (Fig B)

**Step 3:** Tighten the 1/2" wing nuts (90-5765) until the quick disconnect pin holes are exposed. Install the quick disconnect pins (90170A212) into the jack mount studs. (Fig B)



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### Gas Can Mounting Instructions:

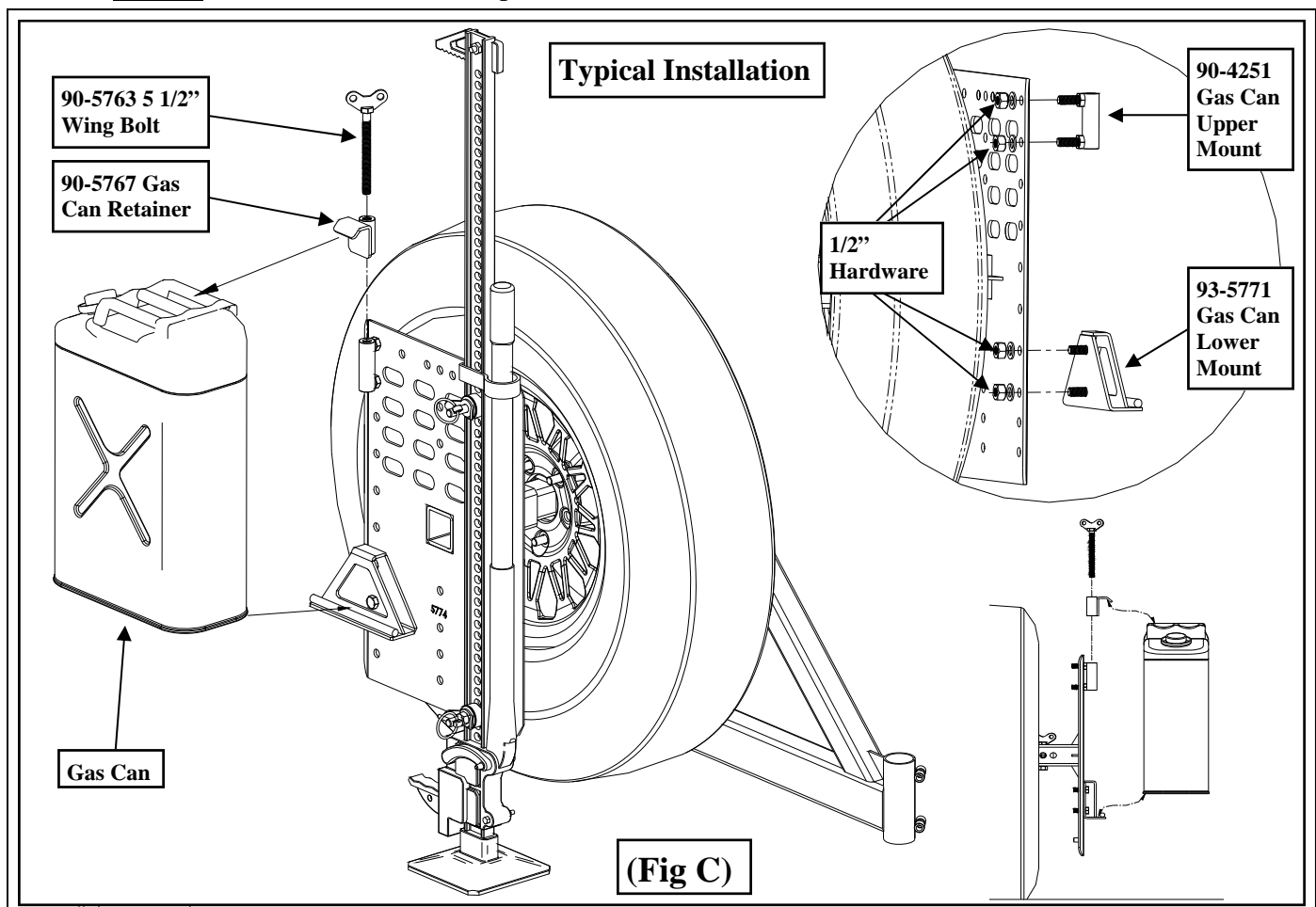
**Step 1:** Choose the lower mounting holes that mount the gas can at your desired height. Install the gas can lower mount (**93-5771**) to the I-Rack main body and secure using the supplied **1/2"** nuts and hardware. (Fig C)

**Step 2:** Assemble the upper mount by installing the **5 1/2"** wing bolt (**90-5763**) through the gas can retainer (**90-5767**) and threading it into the gas can upper mount (**90-4251**). (Fig C)

**Step 3:** Install the gas can to the lower mount. Secure the top of the gas can to the I-Rack main body by installing the assembled upper mount onto the I-Rack main body and securing it using the supplied **1/2"** nuts and hardware. (Fig C)

**Step 4:** Use the **5 1/2"** wing bolt (**90-5763**) to tighten the gas can retainer over the handle of the gas can to secure it in place. (Fig C)

**Step 5:** Installation is now complete.



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Bolt Torque and ID						
Decimal System			Metric System			
All Torques in Ft. Lbs.						
Bolt Size	Grade 5	Grade8	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

1/2-13x1.75 HHCS

D T L X

G = Grade (Bolt Strength)  
D = Nominal Diameter (Inches)  
T = Thread Count (Threads per Inch)  
L = Length (Inches)  
X = Description (Hex Head Cap Screw)

Grade 5    Grade 8  
(No. of Marks + 2)

M12-1.25x50 HHCS

D T L X

P = Property Class (Bolt Strength)  
D = Nominal Diameter (Millimeters)  
T = Thread Pitch (Thread Width, mm)  
L = Length (Millimeters)  
X = Description (Hex Head Cap Screw)

### Product cleaning and maintenance instructions

**Stainless Steel Finish** – Aluminum polish may be used to polish small scratches and scuffs on the finish. Mild soap, window or glass cleaner may be used to clean the finish. **Dual state powder coat finish** – Mild soap, window or glass cleaner may be used to clean the finish. In order to protect the finish, you may wax your product on a regular basis with pure carnauba automotive wax. Do not use any types of soap, polish or was that contains abrasive that could damage the finish. **Textured coated finishes** should be cleaned with a mild soap on a damp sponge. Do not apply polish or was that requires to be removed by means of buffing. This type of wax is commonly used at car wash facilities. **Chrome Finish** – Mild soap, window or glass cleaner may be used to clean the finish. In order to protect the finish you should wax your product on a regular basis with pure carnauba automotive wax. Do not use any types of soap, polish or was that contains abrasive that could damage the finish.

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