

# Covered Service Body Rack Measure and Fit Guide



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**\*PLEASE READ ALL INSTRUCTIONS AND WARNINGS PRIOR TO ASSEMBLING, INSTALLING, AND USING ANY PRODUCT.\***

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## **WARNING**



Always check for wires, fuel tanks and lines, brake lines and other important vehicle functionality items prior to drilling and installing all products.



**DO NOT** Exceed Manufacturer's Weight Capacity for roof.

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## **Tools Needed**

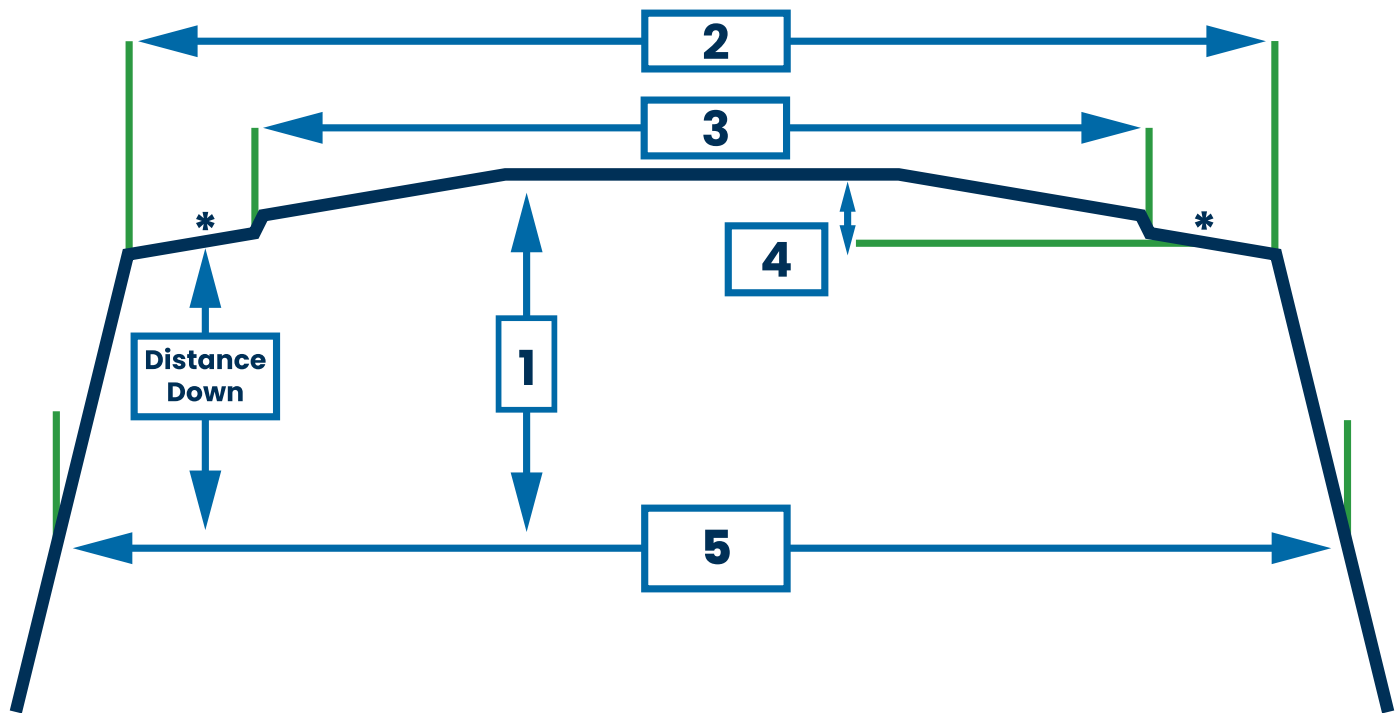
Tape Measure | Ladder

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## **Before You Begin**

- Always determine your installation locations prior to performing any work.
- ENSURE SAFETY WHILE INSTALLING OR DRILLING INTO VEHICLE.
- Be sure to put sealant around all threads entering cargo area and between the rubber spacer and roof of vehicle to prevent water from leaking into cargo area.

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RECORD MEASUREMENT HERE	Refer to diagram above for measurement reference.												
1 =	<div><div><div>• Measure side-to-side width of inside of raised roof section.</div><div>• Compare measured height to range values below to determine whether covered service body is low-, mid-, or high-roof height class.</div></div><table><tr><th>Height of Service Body</th><th>Height Class</th></tr><tr><td>&lt;85"</td><td>Low-Roof</td></tr><tr><td>85" - 95"</td><td>Mid-Roof</td></tr><tr><td>&gt;95"</td><td>High-Roof</td></tr></table></div>	Height of Service Body	Height Class	<85"	Low-Roof	85" - 95"	Mid-Roof	>95"	High-Roof				
Height of Service Body	Height Class												
<85"	Low-Roof												
85" - 95"	Mid-Roof												
>95"	High-Roof												
2 =	<div><div><div>• Measure side-to-side width at upper outer corners of service body.</div><div>• Based on whether the height is a low-, mid-, or high-roof, compare measurement to values below to determine width class. Refer to dimension C in diagrams below for visual aid.</div></div><table><tr><th>Height Class</th><th>Max Body Width at Mounting Reference Diagram <a href="#">Dimension C</a></th><th>Width Class</th></tr><tr><td>Low- or Mid-Roof</td><td>&lt; 72-3/4"</td><td>Narrow Body</td></tr><tr><td>Low-, Mid-, or High-Roof</td><td>72-3/4 - 85"</td><td>Wide Body</td></tr><tr><td>High-Roof</td><td>&lt; 70-3/4"</td><td>Narrow Roof</td></tr></table></div>	Height Class	Max Body Width at Mounting Reference Diagram <a href="#">Dimension C</a>	Width Class	Low- or Mid-Roof	< 72-3/4"	Narrow Body	Low-, Mid-, or High-Roof	72-3/4 - 85"	Wide Body	High-Roof	< 70-3/4"	Narrow Roof
Height Class	Max Body Width at Mounting Reference Diagram <a href="#">Dimension C</a>	Width Class											
Low- or Mid-Roof	< 72-3/4"	Narrow Body											
Low-, Mid-, or High-Roof	72-3/4 - 85"	Wide Body											
High-Roof	< 70-3/4"	Narrow Roof											
	<div><div><div>• Referring to <b>Table A</b> below, based upon the height and width classes determined above and desired material of rack, determine the applicable <b>MIN-MAX Range of Hole-to-Hole Mounting Width of Feet</b>. Refer to dimensions A and B in diagrams below for visual aid.</div><div><div>NOTE: Only when absolutely necessary, the feet may be mounted to the bow using only 2 bolts, increasing the MAX Feet Hole-to-Hole Mounting Width by 3". <u>Securing feet using 4 bolts is the recommended mounting. Mount using 2 bolts only when absolutely necessary.</u> Refer to dimension <b>**B-B</b> in diagrams below for visual aid.</div><div>• In <b>Table A</b>, check the box at the left of the appropriate rack to keep track.</div></div></div></div>												

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RECORD MEASUREMENT HERE	Refer to diagram above for measurement reference.						
3 =	<p>Within appropriate <b>MIN-MAX Range of Hole-to-Hole Mounting Width of Feet</b> determined in previous step, locate desired mounting locations (*) on roof.</p> <ul style="list-style-type: none"> <li>Record width between selected mounting locations. <b>Keep in mind the width of the mounting feet is 2" and requires at least an additional 1" inside and outside.</b></li> </ul>						
4 =	<ul style="list-style-type: none"> <li>Measure and record the height between top of crown to estimated mounting location (*).</li> <li>Verify measured height difference is less than (&lt;) maximum allowable crown height of <b>6-1/4"</b>. Note that the crossbar rack maximum allowable crown height is <b>2-1/2"</b>.</li> </ul>						
5 =	<p>Based on whether the service body was determined to be a low-, mid-, or high-roof body, measure from the selected mounting location (*) the appropriate <b>Distance Down the Back of the Service Body</b> as indicated in following table.</p> <table border="1"> <thead> <tr> <th>Height Class</th><th>Distance Down Back of Service Body to Measure Width at</th></tr> </thead> <tbody> <tr> <td>Low- or Mid-Roof</td><td>17"</td></tr> <tr> <td>High-Roof</td><td>29"</td></tr> </tbody> </table> <ul style="list-style-type: none"> <li>At the distance down, measure and record the width of the service body.</li> <li>Using <b>Table A</b> below, verify measurement is less than or equal (&lt;=) to the <b>Max Body Width at Bottom of Dropped Pan</b> for the rack you checked off above. Refer to dimension D in diagrams below for visual aid.</li> </ul>	Height Class	Distance Down Back of Service Body to Measure Width at	Low- or Mid-Roof	17"	High-Roof	29"
Height Class	Distance Down Back of Service Body to Measure Width at						
Low- or Mid-Roof	17"						
High-Roof	29"						
	<ul style="list-style-type: none"> <li>If service body fits all dimensions as determined and recorded here, refer to <b>Tables B or C</b> to determine the appropriate rack for your covered service body.</li> </ul>						

Table A

Height Class	Width Class	Service Body Material	MIN-MAX Range of Hole-to-Hole Mounting Width Standard Install Refer to Diagrams A & B	MAX Feet Hole-to-Hole Mounting Width 2-bolt Install Refer to Diagrams A & B	MAX Body Width at Bottom of Dropped Pan Refer to Diagram D
Low- & Mid-Roof	Narrow Body	Steel	54-1/4" - 60-1/8"	**63-1/8"	83"
Low- & Mid-Roof	Narrow Body	Aluminum	54-1/4" - 59-5/8"	**62-5/8"	86"
Low- & Mid-Roof	Wide Body	Steel	67-5/16" - 77-1/2"	**80-1/2"	95-3/16"
High-Roof	Narrow Roof	Steel	53-3/16" - 57-1/2"	**60-1/2"	83"
High-Roof	Narrow Roof	Aluminum	53-3/16" - 59-5/8"	**62-5/8"	81-7/8"
High-Roof	Wide Roof	Steel	68" - 77-1/2"	**80-1/2"	99-3/4"

\*\* = Per reference Diagram **B-B\*** below, in some rare installs, it may be necessary to mount the feet to the bow using only 2 bolts, increasing the MAX Feet Hole-to-Hole mounting width by 3". **Securing feet using 4 bolts is the recommended mounting. Using only 2 bolts should only be done when absolutely necessary.**

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Table B

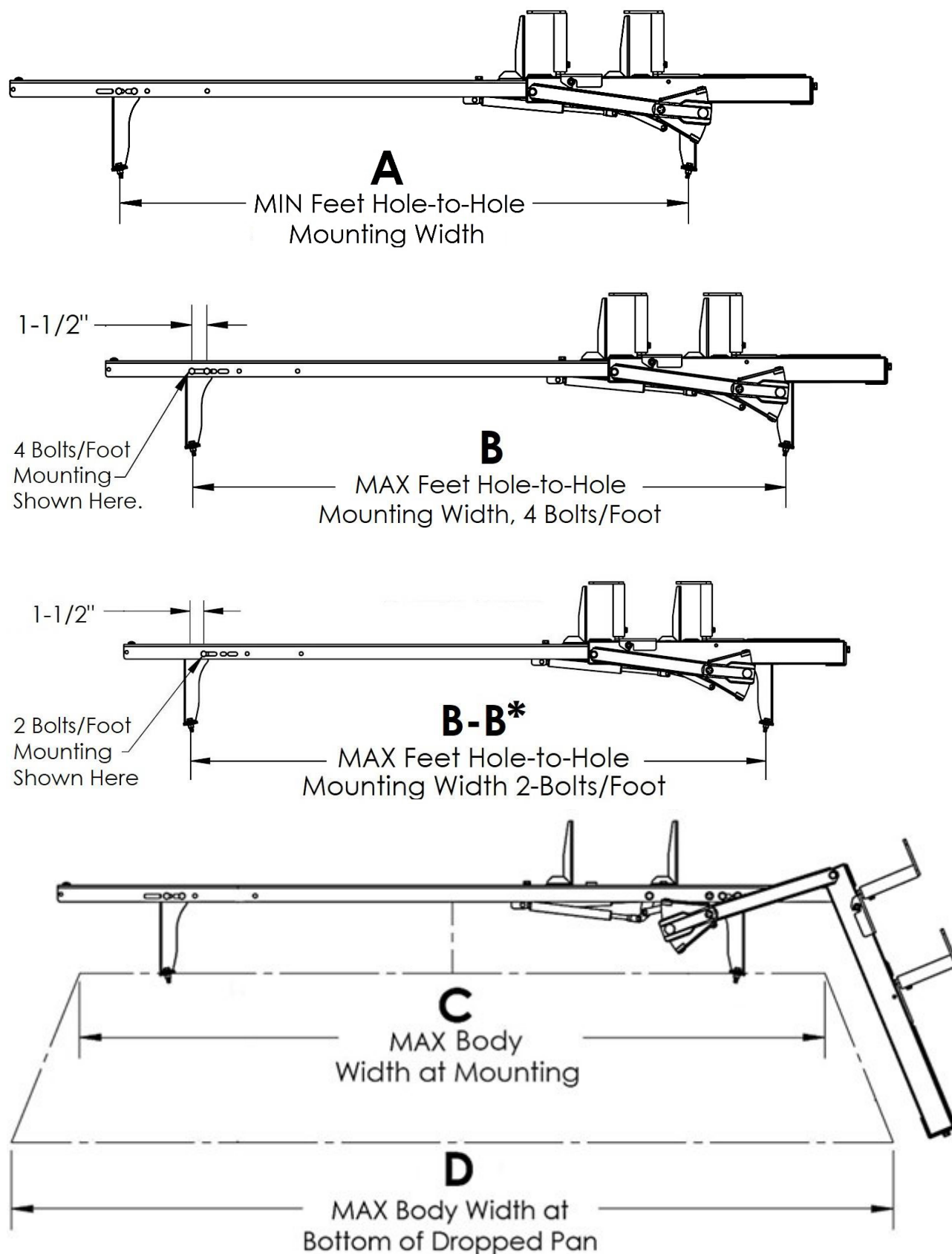
STEEL RACKS	Drop Down Ladder Racks		Clamp & Lock Ladder Racks		Crossbar Racks		Cargo Racks
	Passenger Side	Driver Side	Passenger Side	Driver Side	2 Bars	3 Bars	5 Crossbars
LOW ROOF COVERED SERVICE BODY (<85" HEIGHT)							
Narrow Body	4092L	40963	4082L	4081L	40821*	40822*	80160
Required Mount Kit	4A959	-	4A959	-	* 2-1/2" Maximum Crown Height		4089K
Wide Body	47953	40963	-	-	40821*	40822*	80160
Required Mount Kit	-	-	-	-	* 2-1/2" Maximum Crown Height		4089K
MID ROOF COVERED SERVICE BODY (85"-95" HEIGHT)							
Narrow Body	4097M	40983	-	-	-	-	-
Required Mount Kit	4A959	-	-	-	-	-	-
Wide Body	47953	40963	-	-	-	-	-
HIGH ROOF COVERED SERVICE BODY (>95" HEIGHT)							
Narrow Roof	4099H	40913	-	-	-	-	-
Required Mount Kit	4A959	-	-	-	-	-	-
Wide Roof	47993	40913	-	-	-	-	-

Table C

ALUMINUM RACKS	Drop Down Ladder Racks		Clamp & Lock Ladder Racks		Crossbar Racks		Cargo Racks
	Passenger Side	Driver Side	Passenger Side	Driver Side	2 Bars	3 Bars	5 Crossbars
LOW ROOF COVERED SERVICE BODY (<85" TALL)							
Narrow Body	4A93L	4A96L	4A82L	4A81L	4A821*	40822*	8016A
Required Mount Kit	4A959	-	4A959	-	* 2-1/2" Maximum Crown Height		4089K
Wide Body	-	-	-	-	40821*	40822*	8016A
Required Mount Kit	-	-	-	-	* 2-1/2" Maximum Crown Height		4089K
MID ROOF COVERED SERVICE BODY (85"-95" TALL)							
Narrow Body	4A93M	4A96M	-	-	-	-	-
Required Mount Kit	4A959	-	-	-	-	-	-
Wide Body	-	-	-	-	-	-	-
HIGH ROOF COVERED SERVICE BODY (>95" TALL)							
Narrow Roof	4A99H	4A91H	-	-	-	-	-
Required Mount Kit	4A959	-	-	-	-	-	-
Wide Roof	-	-	-	-	-	-	-

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## **RACK REFERENCE DIAGRAMS**



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