



ADRIAN STEEL

Carpa Management Solutions for Commercial Vehicles

STREETSIDE GRIP-LOCK ADD-ON KIT

PRODUCT WEIGHT

8.6 Lbs

WIDTH x DEPTH x HEIGHT

N/A

CAPACITY

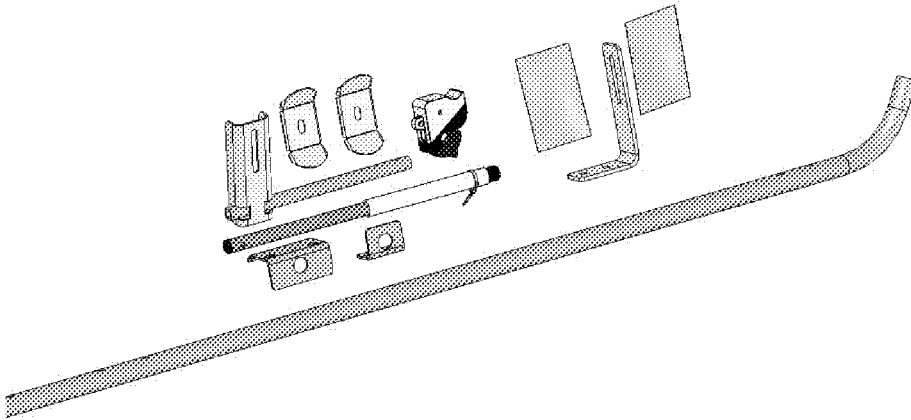
N/A

COLOR

**ALUMINUM AND
BLACK**

CATALOG NUMBER

61TCSSGL



PRODUCT FEATURES

THIS IS A GRIP-LOCK ADD-ON KIT TO PROVIDE A STREETSIDE GRIP-LOCK ON A SINGLE GRIP-LOCK LADDER RACK. IT CAN BE ADDED TO THE 61-TC GRIP-LOCK LADDER RACK AND ALSO TO THE 2BTC UTILITY RACK.

PRODUCT APPLICATION

THIS PRODUCT IS DESIGNED FOR USE WITH LADDER RACKS OF EXTRUDED ALUMINUM CONSTRUCTION SUCH AS THE FORD TRANSIT CONNECT 61-TC.

P.N.: 37569-0

ISSUE: I

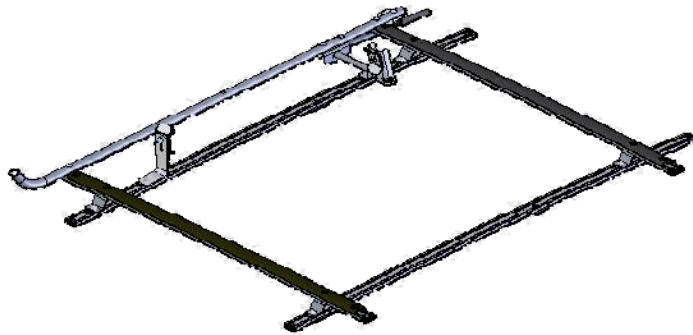
CHK.BY: _____

REV.BY: _ECV_

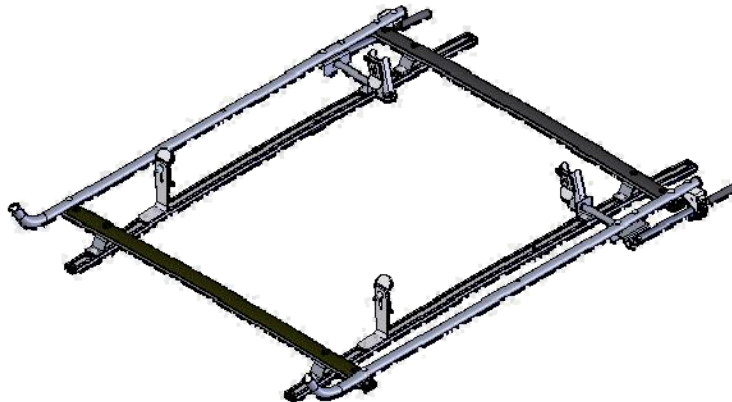
DWG.BY: RHS

DATE: 03/04/15

Grip-Lock Ladder Rack Assembly Ford Transit Connect



61-TC Single Grip-Lock Ladder Rack Asm.



63-TC Double Grip-Lock Ladder Rack Asm.

BEFORE YOU START!

IMPORTANT INSTALLATION STEPS ARE DENOTED USING A STOP SIGN. THESE STEPS MUST BE PERFORMED AS SPECIFIED IN ORDER TO ENSURE A PROPER INSTALLATION AND MUST BE FOLLOWED IN ORDER TO MAINTAIN YOUR PRODUCT WARRANTY!



CRITICAL INFORMATION PERTAINING TO USER AND/OR VEHICLE SAFETY IS DENOTED USING A CAUTION SIGN. SAFETY ITEMS MUST BE STRICTLY ADHERED TO IN ORDER TO ENSURE A SAFE WORKING ENVIROMENT!



YOU WILL NEED THE FOLLOWING TOOLS IN ORDER TO COMPLETE THIS JOB.

SCREWDRIVER (to remove plugs in roof)	5/32", 7/32", and 5.0mm ALLEN WRENCHES
	RATCHET WRENCH, WITH 7/16", 1/2", & 9/16" SOCKETS

ALL FASTENERS USED IN THE ASSEMBLY AND INSTALLATION OF THIS PRODUCT SHOULD BE TIGHTENED TO THE SPECIFIED TORQUE AS LISTED WITH EACH FASTENER CALLOUT BOX.



THE USE OF AIR OR ELECTRIC IMPACT TOOLS FOR THE ASSEMBLY OF FASTENERS IS NOT RECOMMENDED AND COULD CAUSE FASTENER FAILURE!



WARNING



THE USE OF DRILLS WITH INTEGRAL DRILL STOPS ALONG WITH PROPER INSPECTION FOR GAS TANK, GAS LINES, BRAKE LINES AND ELECTRICAL LINES PRIOR TO DRILLING ANY MOUNTING HOLES IS STRONGLY RECOMMENDED TO ENSURE THAT VEHICLE DAMAGE IS AVOIDED!



THE USE OF NON-STANDARD FASTENERS AND/OR DEVIATING FROM THE FASTENERS SPECIFIED IN THE INSTRUCTION (S) MAY VOID YOUR PRODUCT WARRANTY!





TO PREVENT EXHAUST FUMES FROM ENTERING THE VEHICLE, ALL HOLES SHOULD BE SEALED AT INSTALLATION WITH BUTYL OR SILICON SEALANT MATERIAL.



ALL DRILLED HOLES IN THE VEHICLE SHOULD HAVE THE RAW METAL EDGES SEALED WITH A SELF-ETCHING PRIMER TO RESIST CORROSION AND POTENTIAL FASTENER POINT FAILURE!

ADRIAN STEEL COMPANY • 906 JAMES ST. • ADRIAN, MI. 49221 • (517) 265-6194

Whenever a plusnut is specified it is important that the proper size installation hole is provided.

PLUSNUT SIZE		DRILL SIZE (with stop)
1/4-20 PLUSNUT, FAS0052		3/8" DIAMETER
5/16-18 PLUSNUT, FAS0091		1/2" DIAMETER

FOR MOUNTING THROUGH A FLOOR MAT AND/OR CARPET

Position each item in desired location inside the vehicle and mark the floor mounting locations.

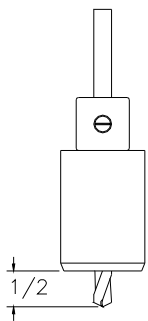
It is recommended that a drilling template be used to ensure an accurate placement of components is achieved for this installation.

Using the cutting tool, drill a pilot hole thru the mat/carpet and metal floor pan.

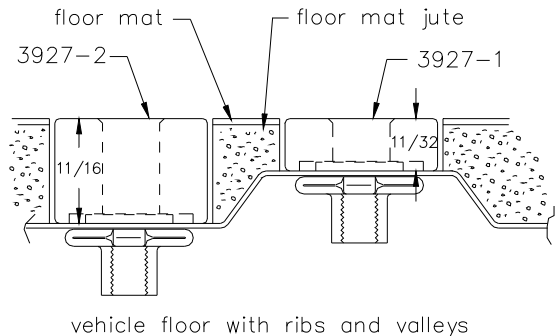
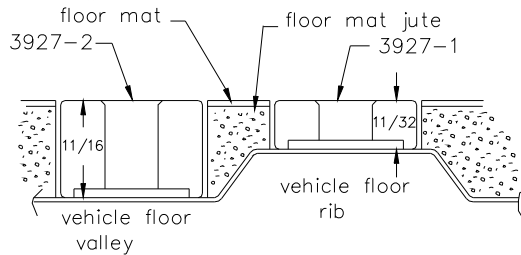
Spacer Use and Installation

3927-1 (SHOWN)

ALWAYS PLACE RECESSED PART OF FLOOR SPACER ON TOP OF PLUSNUT.



Placing the properly sized spacer on top of the vehicle floor pan will make your Adrian interior level, square, and sound. The view below shows the proper sized spacer for the different heights of the vehicle floor. Make sure to place the spacers with the plusnut relief surface down as shown.



The location of various floor mounts will determine what spacer combination will be used. For example, an 11/32" spacer is used atop floor ribs, and an 11/16" high spacer is used atop floor valleys.



THE PROPER USE OF SPACERS IS REQUIRED WHEN MOUNTING OVER MAT/CARPET TO ENSURE THE METAL-TO-METAL CLAMP-UP, WHICH WILL PREVENT UNWANTED COMPONENT SHIFTING AND POTENTIAL FAILURE DURING USE.

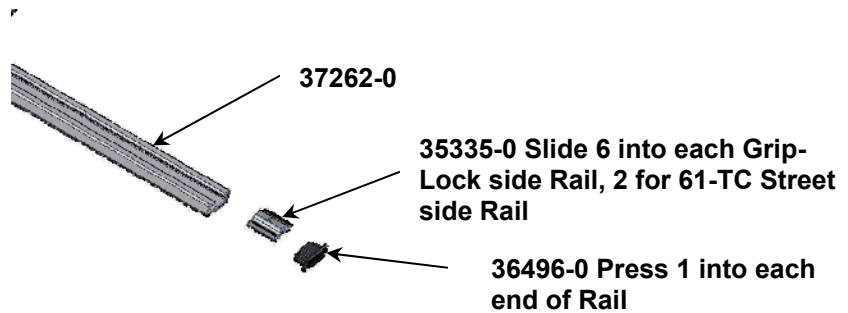


STEP – 01

Insert Slides into Rails

Use the following components for this step:






 <p>37262-0 Rail 72" long 2 Req'd</p>	 <p>35335-0 Slide 8 Req'd for 61-TC 12 Req'd for 63-TC</p>	 <p>36496-0 End Cap 4 Req'd</p>
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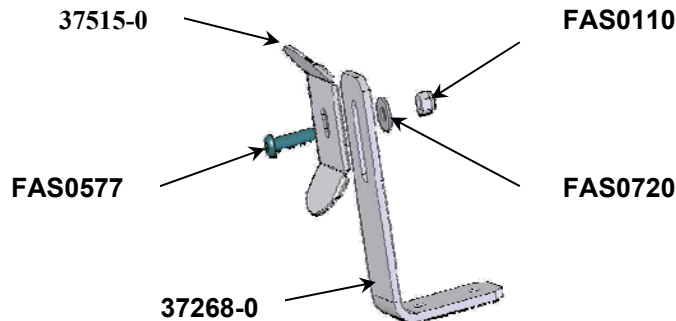


STEP – 02

Attach Clamp Pad to Ladder Stop (2 Req'd for 63-TC)

Use the following components for this step:



 <p>37515-0 Clamp Pad (Black)</p>	 <p>37268-0 Ladder Stop (Black)</p>	 <p>FAS0577 3/8-16X1.5 BHCS</p>	 <p>FAS0720 3/8 Flat Washer</p>	 <p>FAS0110 3/8-16 Lock Nut Torque to 12 Ft.Lbs.</p>
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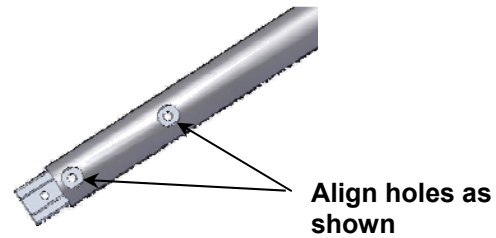
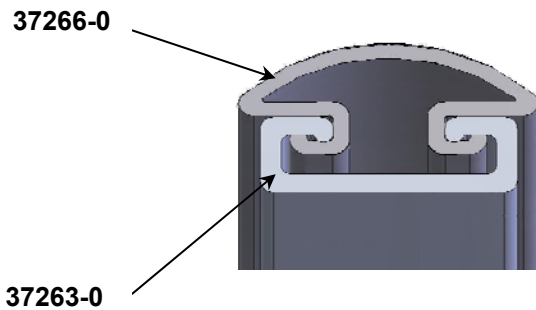


STEP - 03

Assemble Wear Insert to Bow 2 Req'd (See Step 3a for LR61GPTC)



Use the following components for this step:

 37263-0 Bow 55" long 1 Req'd	 37266-0 Wear Insert 51.5" Long 1 Req'd
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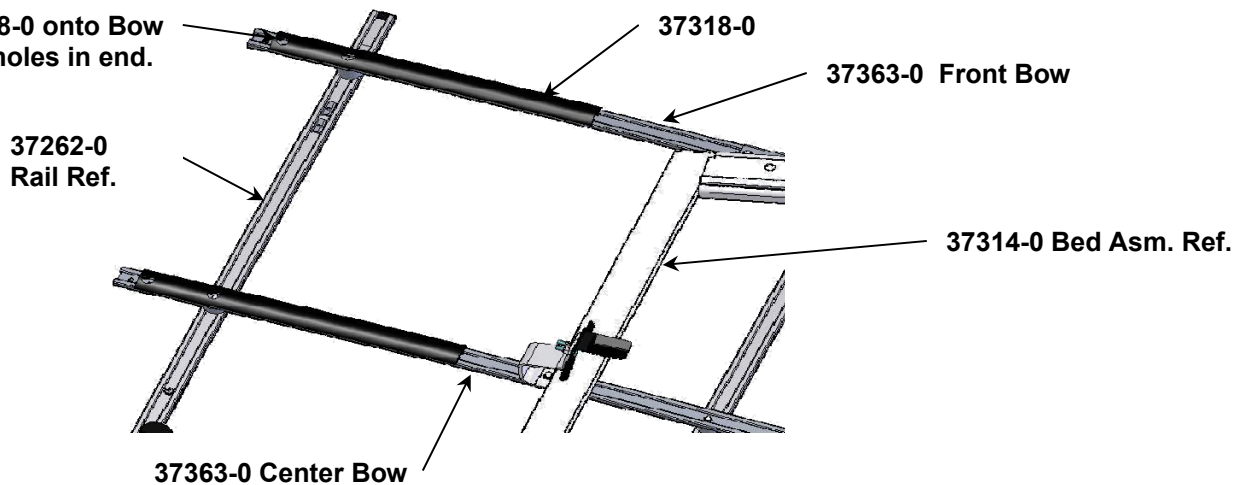


STEP- 03a

**Assemble Wear Insert to Bows, LR61GPTC only
Front and Center Bows Only!**

 37263-0 Bow 55" long 2 Req'd (already on Rack)	 37318-0 Wear Insert 25.8" Long 2 Req'd
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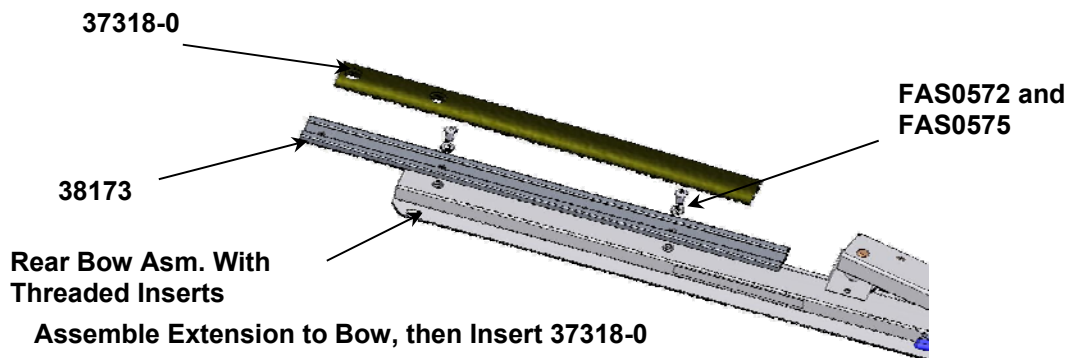
Slide 37318-0 onto Bow and align holes in end.



STEP- 03b

Assemble Rear Bow Extension and Wear Insert to Rear Bow Asm. LR61GPTC Only






 <p>38173 Rear Bow Ext. 29.58" Long, 1 Req'd</p>	 <p>37318-0 Wear Insert, 25.8" Long 1 Req'd</p>	 <p>FAS0572 3/8-16X1.0 BHCS 2 Req'd</p>	 <p>FAS0575 3/8 Lock Washer 2 Req'd</p>
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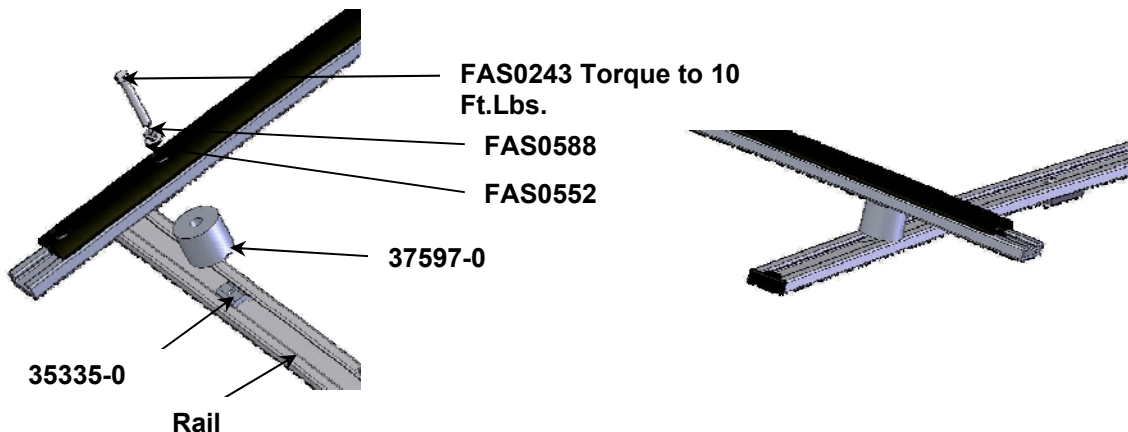


STEP - 04

**Install Bow Assemblies on Rails 2 Req'd
(Does not apply to LR61GPTC)**

Use the following components for this step:




 <p>35335-0 Slide 4 Req'd. Already in Rail (Step #1)</p>	 <p>FAS0243 5/16-18X 2.50 Hex Screw 4 Req'd</p>	 <p>FAS0552 5/16 Flat Washer 4 Req'd</p>	 <p>FAS0588 5/16 Lock Washer 4 Req'd</p>	 <p>37597-0 Spacer 4 Req'd</p>
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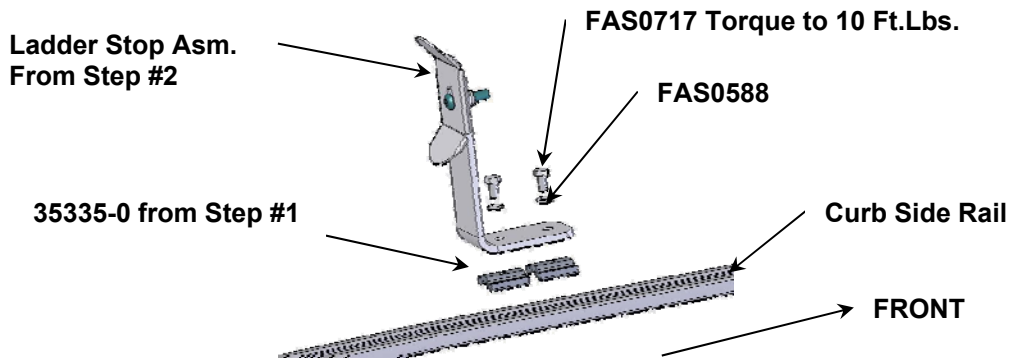


STEP – 05

Install Ladder Stop on Rail

Use the following components for this step:

 <p>35335-0 Slide 2 Req'd. Already in Rail (Step #1)</p>	 <p>FAS0717 5/16-18X .625 Hex Screw 2 Req'd Torque to 10 Ft.Lbs.</p>	 <p>FAS0588 5/16 Lock Washer 2 Req'd</p>
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





Preferred location of Ladder Stop should be just behind Front Bow, against Spacer (against Bow for LR61GPTC) as shown below. This position will be adjusted to fit end user's Ladder after install. See adjustment instructions attached to Latch Handle.

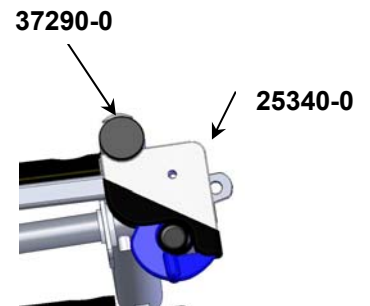
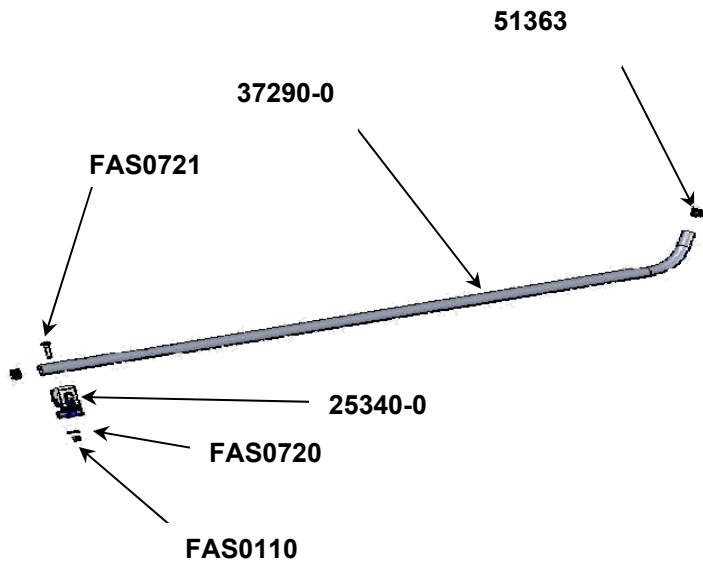


STEP – 06

Attach Handle Latch to Outer Rail

Use the following components for this step:




 <p>25340-0 Handle Latch Asm.</p>	 <p>37290-0 Outer Rail</p>	 <p>FAS0721 3/8-16X2.0 Carriage Bolt</p>	 <p>FAS0720 3/8 Flat Washer 2 Req'd</p>	 <p>51363 Cap Plug 1" Dia (Black) 2 Req'd</p>	 <p>FAS0110 3/8-16 Lock Nut 2 Req'd Torque to 10 Ft.Lbs.</p>
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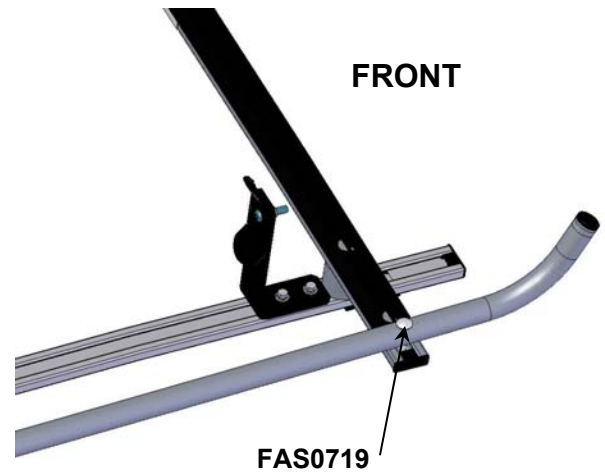
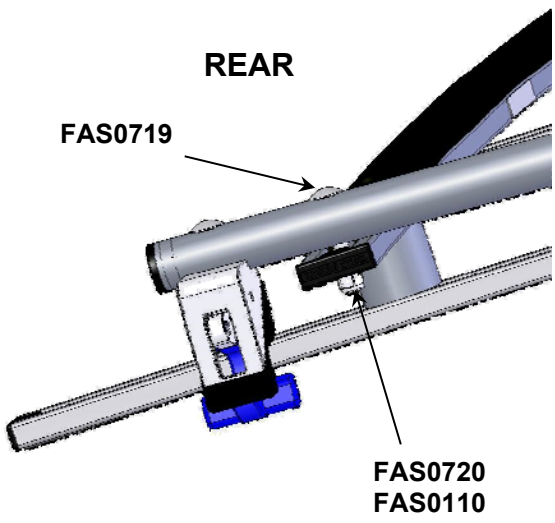


STEP – 07

Attach Outer Rail to Bows

Use the following components for this step:

 <p>FAS0719 3/8-16X2.5 Crg Bolt 2 Req'd</p>	 <p>FAS0720 3/8 Flat Washer 2 Req'd</p>	 <p>FAS0110 3/8 Lock Nut 2 Req'd Torque to 12 Ft.Lbs.</p>
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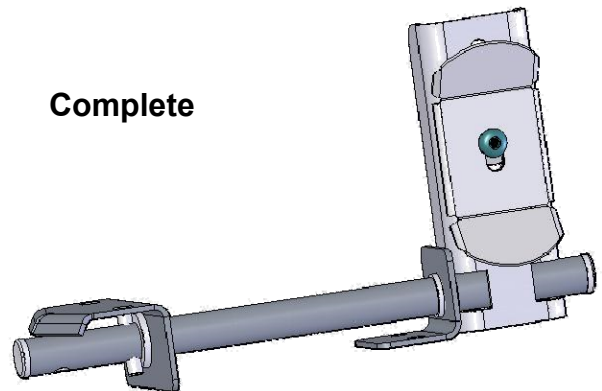
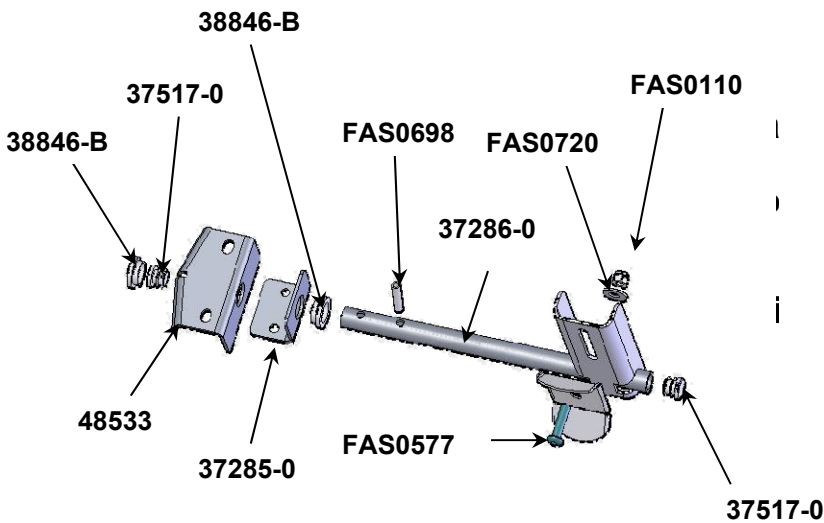


STEP – 08

**Assemble Grip-Lock Feature, Curb Side Shown
Street Side is Exact Opposite (see Step 11)**

Use the following components for this step:






 <p>37286-0 Grip-Lock Weldment Curb Side</p>	 <p>37515-0 Clamp Brkt (Black)</p>	 <p>48533 Pivot Brkt</p>	 <p>37285-0 Support Brkt</p>	 <p>37517-0 Cap Plug 7/8" Dia (Black) 2 Req'd</p>	 <p>38846-B Bushing 2 Req'd</p>
 <p>37287-0 Grip-Lock Weldment Street Side for G/L Add-On Kits and 63-TC</p>	 <p>FAS0698 Roll Pin</p>	 <p>FAS0577 3/8-16X1.5 BHCS</p>	 <p>FAS0720 3/8 Flat Washer</p>	 <p>FAS0110 3/8-16 Lock Nut Torque to 12 Ft.Lbs after adjustment</p>	

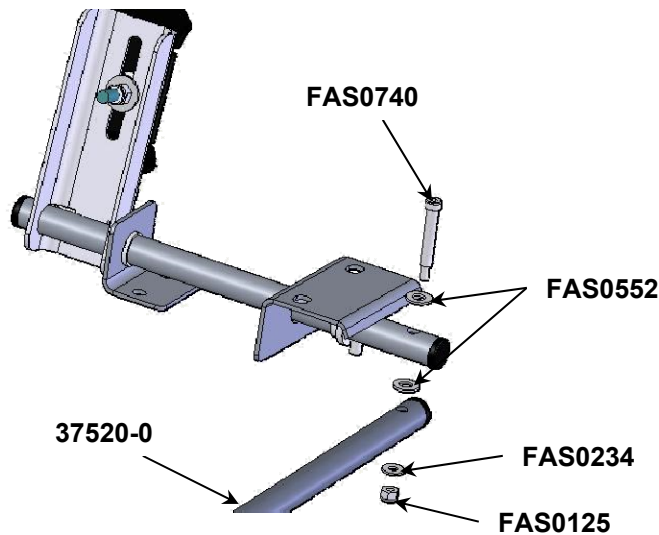


FLANGES OF BUSHINGS TO BE CAPTURED BETWEEN SUPPORT BRKT AND GRIP-LOCK BRKT. AND BETWEEN PIVOT BRKT AND PIN.

STEP - 09







Assemble Handle to Grip-Lock Asm., Curb Side Shown
Use the following components for this step:

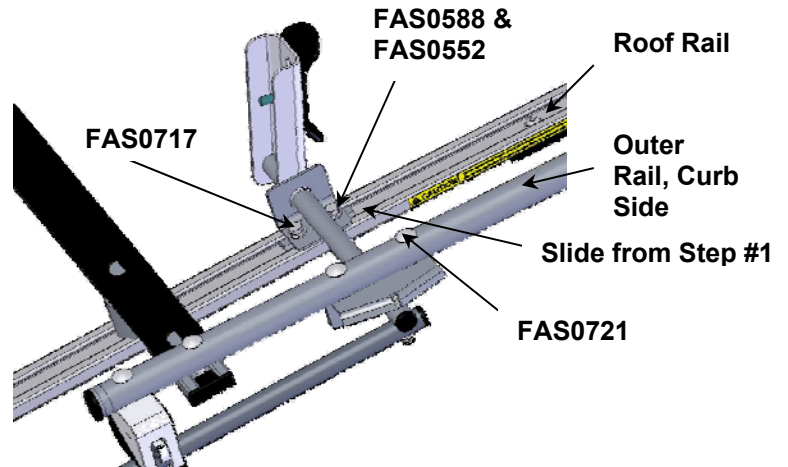
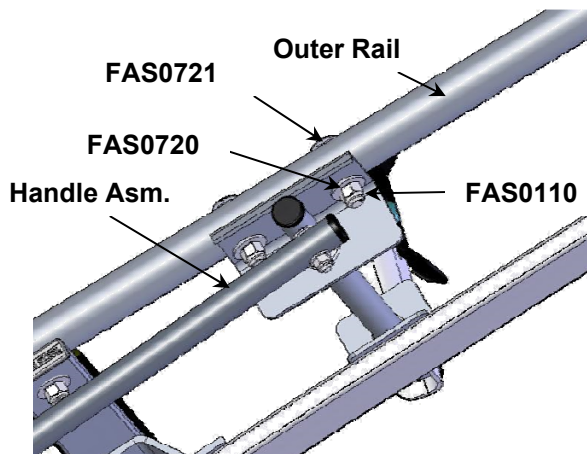
				
37520-0 Handle Asm.	FAS0740 Shoulder Screw	FAS0552 5/16 Flat Washer 2 Req'd	FAS0234 1/4 Flat Washer	FAS0125 1/4-20 Lock Nut Torque to 8 Ft.Lbs



STEP - 10

Assemble Grip-Lock Feature to Ladder Rack, Curb Side Shown
Use the following components for this step:

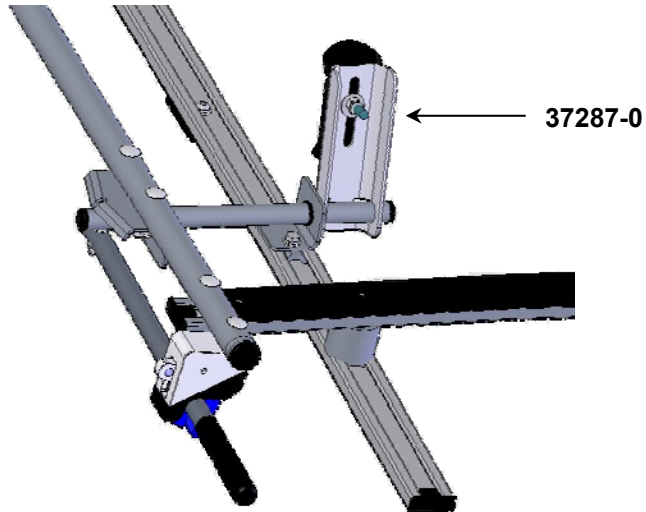
					
FAS0721 3/8- 16X2.0 Crg Bolt 2 Req'd	FAS0720 3/8 Flat Washer 2 Req'd	FAS0110 3/8-16 Lock Nut 2 Req'd Torque to 12 Ft.Lbs.	FAS0717 5/16- 18X.625 Hex Screw 2 Req'd Torque to 10 Ft.Lbs.	FAS0552 5/16 Flat Washer 2 Req'd	FAS0588 5/16 Lock Washer 2 Req'd



STEP – 11

For 63-TC Double Grip-Lock Ladder Rack and 61TCSSGL or LR61GPTC Grip-Lock Add-On Kits :

If this is a Double Grip-Lock or Add-On Kit, repeat Steps #2 and 5 thru 11 on Street Side, using a Left Hand Grip-Lock Weldment, P/N 37287-0 and assemble opposite of Curb Side.





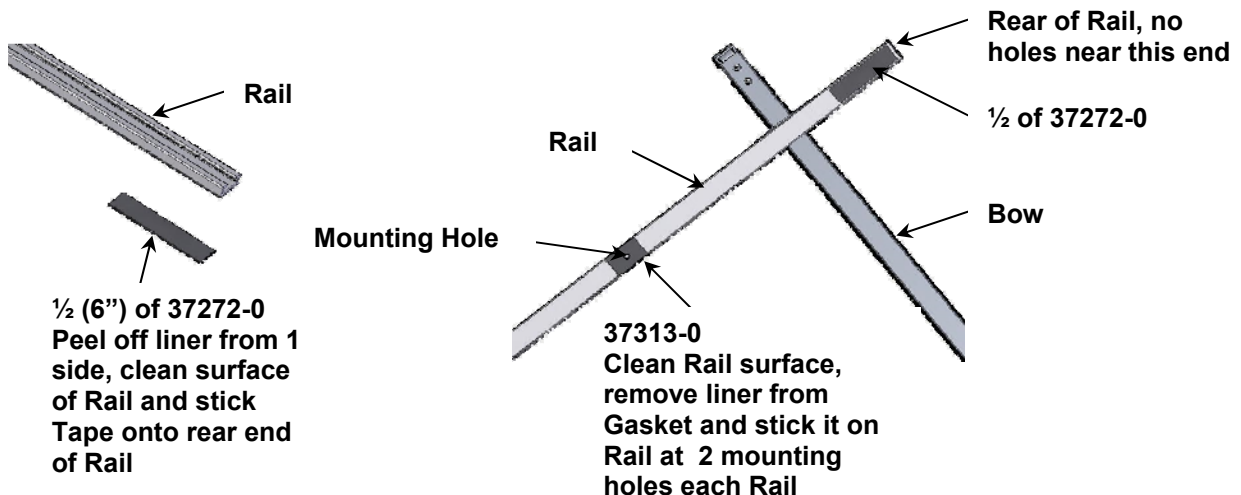
Street Side Grip-Lock Asm. Shown Assembled to Rack.

STEP – 12

Adding Tape and Gaskets

Use the following components for this step:

 37272-0 Tape 1 Req'd Cut in half (2 pcs, 6" long)	 37313-0 Gasket 4 Req'd
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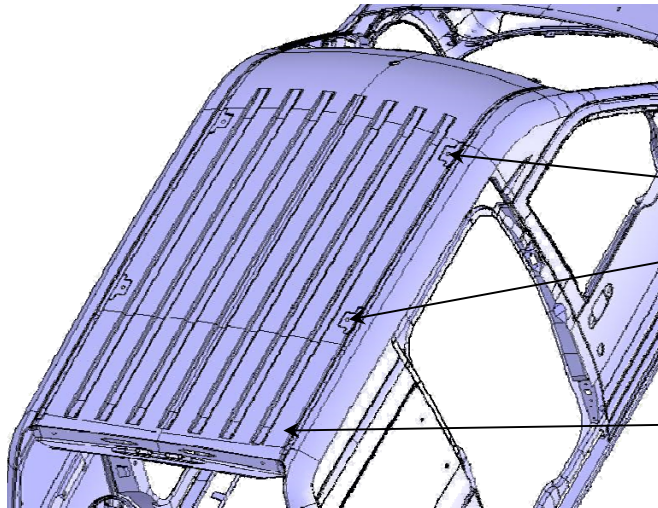


1/2 (6") of 37272-0
Peel off liner from 1 side, clean surface of Rail and stick Tape onto rear end of Rail

37313-0
Clean Rail surface, remove liner from Gasket and stick it on Rail at 2 mounting holes each Rail

STEP – 13

Preparing Roof of Transit Connect for Rack








Mounting Points
Remove threaded
plugs and clean
surrounding area.

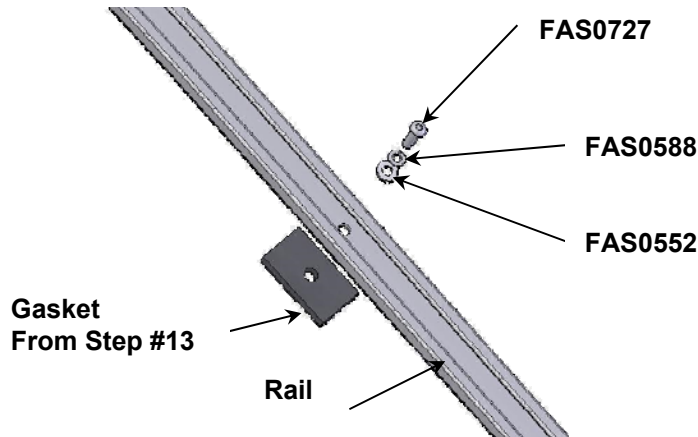
Clean this area
Thoroughly for
Adhesive Tape.

STEP – 14

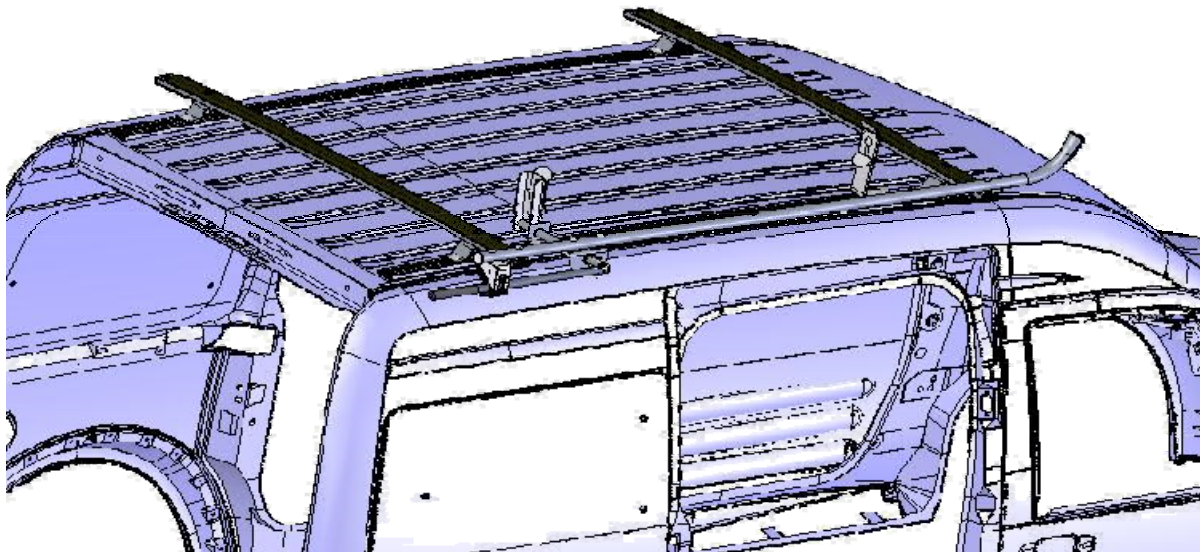
Installing Rack on Transit Connect Roof

Use the following components for this step:

 FAS0727 M8-1.25X30.0 BHCS 4 Req'd	 FAS0552 5/16 Flat Washer 4 Req'd	 FAS0588 5/16 Lock Washer 4 Req'd	 26618-0 Tube Silicone A/R	 05586-0 1' Roll Butyl Tape A/R
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**61-TC Shown on Roof
of Transit Connect**



STEP – 14

Installing Rack on Transit Connect Roof continued

- 1) Place Rack Assembly on roof and align the 4 mounting holes. Attach to roof using 4) FAS0727 M8-1.25X30.0 BHCS, FAS0552 Washers and FAS0588 Lock Washers. Put Silicone on threads, between Washers, under flat washers and under head of Screws. Option is to use Silicone on threads only and use Butyl Tape under Flat Washer to seal mounting hole. Get the Screws started only. If everything looks good and Bows are where you want them, lift rear of each Rail, peel liner off tape and stick rear of Rail to roof. Now tighten mounting screws using a 5mm Allen wrench.
- 2) Adjust Bows and Ladder Stops as desired and tighten all fasteners.
- 3) Note : Bow and Ladder Stop locations are adjustable, and Ladder Stops can be ahead of front Bow if desired. Optional Center Bow Kit (1BTCGL) is available and utilizes shorter Bow Brkts. If a 3 Bow arrangement is preferred or short ladders are to be carried.



**DOUBLE-CHECK ALL FASTENER LOCATIONS TO BE
SURE THAT ALL FASTENERS ARE TIGHTENED TO
SPECIFICATIONS!**



**YOUR INSTALLATION IS NOW COMPLETE! STOW THIS COPY IN THE VEHICLE FOR FUTURE REFERENCE!
RECHECK ALL FASTENERS FOR TIGHTNESS AFTER 2 WEEKS, AND 6 WEEKS OF OPERATION!**