



Thank you for purchasing one of our awesome kits. No matter your skill level, following these instructions will easily step you through the process from preparation to assembly, ensuring you end up producing nothing but a top quality professional product.

BEFORE YOU BEGIN

- Familiarize yourself with the assembly procedure and ensure all parts have been supplied.
- Protect your parts and workspace from damage by lining your bench top with cardboard or material/towel.
- Parts have been deburred at the factory but some sharp edges may still be present, simply check over your parts with a deburring tool or file before assembly.
- Using the QR Code above, visit www.ibuiltkits.com/assembly-and-install/canopy_ladder for video instructions, plus assembly tips and comments on the product.
- Follow the instructions carefully and in the correct order.
- If you have any questions or issues with your product please contact iBUILT KITS via email troy@ibuiltkits.com

CARE & MAINTENANCE

- This Canopy ladder requires very little maintenance, periodic checking of bolts and fasteners is sufficient.
- If fatigue or damage occurs please stop using the ladder as it may cause injury to yourself or others.
- Clean and wash as you would the rest of your vehicle, degrease and wash with a non corrosive detergent and avoid abrasive brushes or sponges.

INCLUDED IN THIS KIT

SHEET METAL PARTS

S1 TRST-0013-1006L Ladder side LEFT x1	S2 TRST-0013-1006R Ladder side RIGHT x1	S3 TRST-0013-1010L Ladder lower side LEFT x1	S4 TRST-0013-1010R Ladder lower side RIGHT x1
S5 TRST-0013-1012 Ladder pivot bracket LEFT x1	S6 TRST-0013-1012R Ladder pivot bracket RIGHT x1	S7 TRST-0013-1011L Ladder upper brace LEFT x1	S8 TRST-0013-1011R Ladder upper brace RIGHT x1
S9 TRST-0013-1007 Ladder bottom step x1	S10 TRST-0013-1008 Ladder step x3	S11 TRST-0013-1013 Ladder lower step x3	S12 TRST-0013-1009 Ladder attachment bracket x2

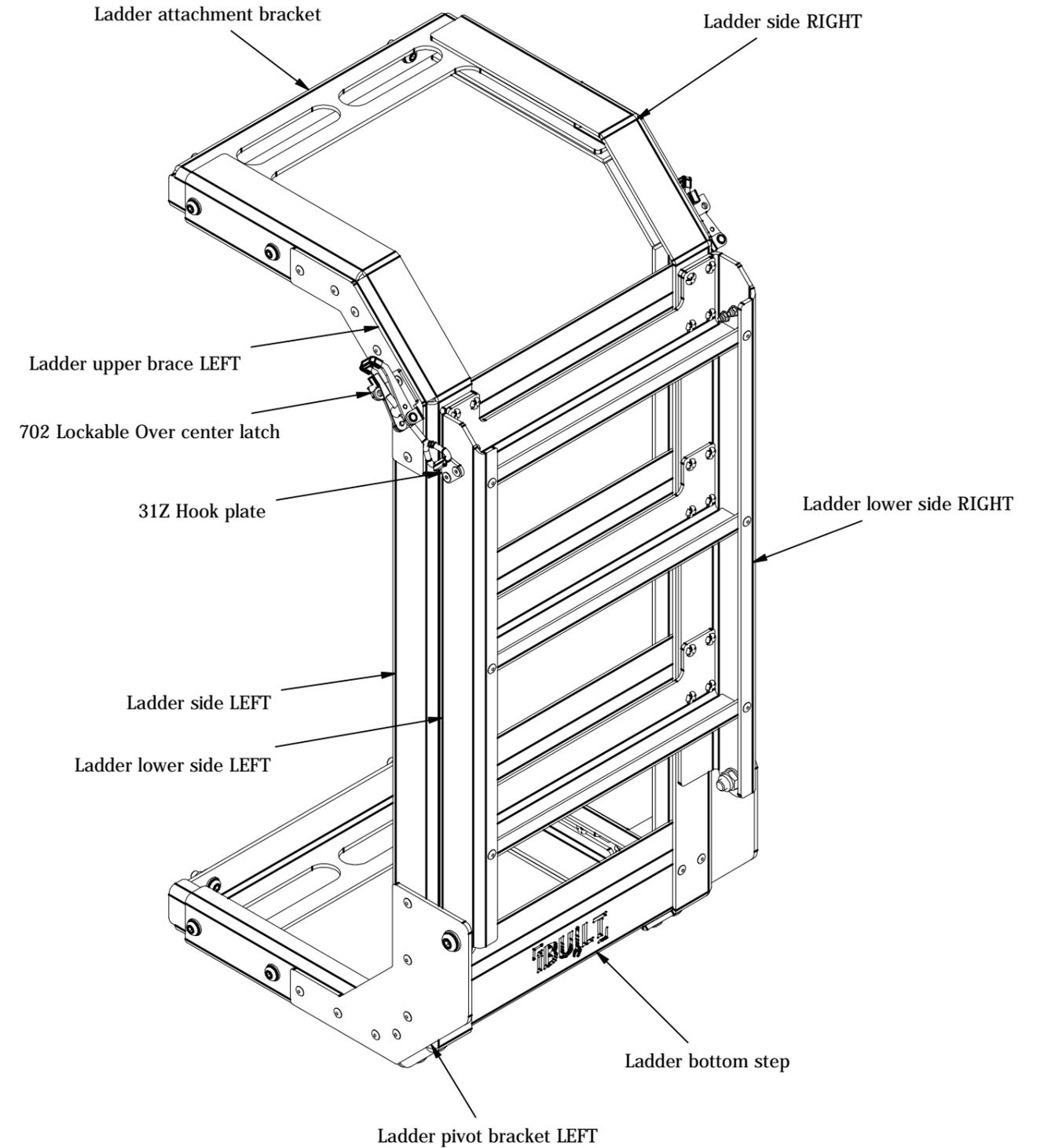
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ASSEMBLY INSTRUCTIONS

CANOPY LADDER

ASSEMBLY TIME APPROX. 35mins*



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HARDWARE

<p>H1 x2</p> <p>702L-ZP 702 Lockable Over center latch</p>	<p>H2 x2</p> <p>31Z 31Z Hook plate</p>	<p>H3 x4</p> <p>RMGROM-0004 Rubber Buffer RN90</p>
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FASTENERS

<p>F1 x70</p> <p>RIAS73605 (6-5) 4.8x12.7mm Aluminium/Steel Rivet</p>	<p>F2 x24</p> <p>RIAS73606 (6-6) 4.8x14.3mm Aluminium/Steel Rivet</p>		
<p>F3 x4</p> <p>M5x16 - A2 - DIN7991 Countersunk Socket Screw</p>	<p>F4 x6</p> <p>M5x20 - A2 - DIN7991 Countersunk Socket Screw</p>	<p>F5 x10</p> <p>5mm - A2 - DIN125A STD Washer Stainless</p>	<p>F6 x10</p> <p>M5 - A2 - DIN985 NYLOC Hex Nut</p>
<p>F7 x12</p> <p>M8x25 - A2 - ISO7380 Button head socket screw</p>	<p>F8 x20</p> <p>8mm - A2 - DIN125A STD Washer Stainless</p>	<p>F9 x4</p> <p>8mm - A2 - DIN9021 Mudguard Washer Stainless</p>	<p>F10 x12</p> <p>M8 - A2 - DIN985 NYLOC Hex Nut</p>

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FASTENERS

<p>F11 x2</p> <p>M10x30 - A2 - ISO7380 Button head socket screw</p>	<p>F12 x6</p> <p>10mm - A2 - DIN125A STD Washer Stainless</p>	<p>F13 x2</p> <p>M10 - A2 - DIN985 NYLOC Hex Nut</p>
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TOOLS REQUIRED

<p>Handheld Pop-Rivet Gun</p>	<p>8mm Spanner</p>	<p>13mm Spanner</p>	<p>17mm Spanner</p>
<p>3mm Allen Wrench</p>	<p>5mm Allen Wrench</p>	<p>6mm Allen Wrench</p>	
<p>Measurement Square</p>	<p>Handheld drill</p>	<p>9mm Drill Bit</p>	

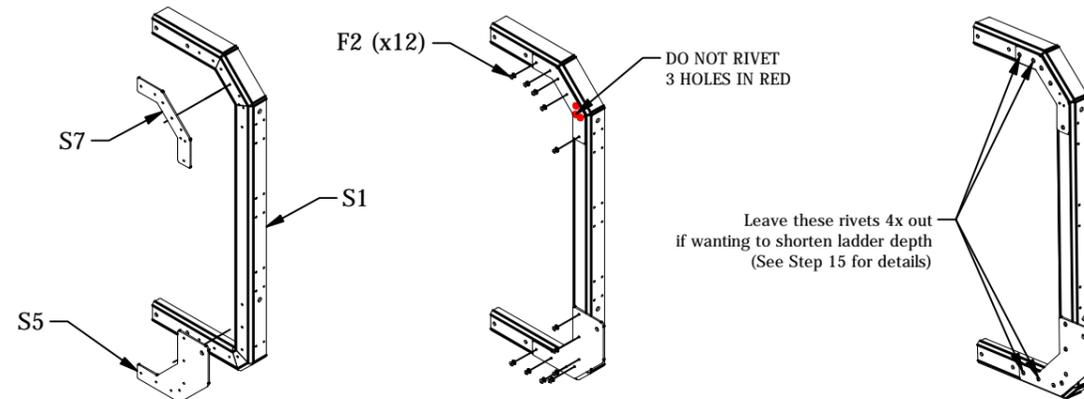
STEP 1:

Unpack your parts and familiarize yourself with the components, Peel protective film from all Parts and clean glue residue with Acetone or Dissolve-it spray using a soft clean rag. Protect your work surface to avoid scratching your parts by laying down cardboard, carpet or material such as a towel.

STEP 2:

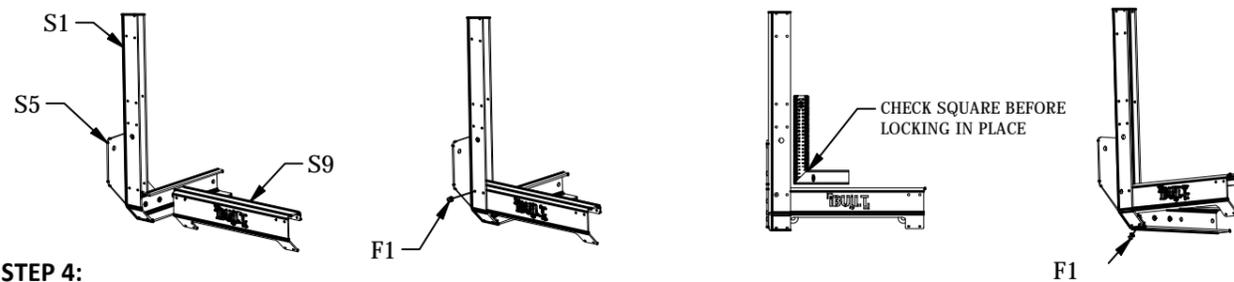
Position **Pivot Bracket LEFT (S5)** and **Upper Brace LEFT (S7)** in place on **Ladder Side LEFT (S1)**, align holes and proceed to fasten rivets ensuring to leave the 3 holes dedicated to the latch blank, as shown in the below images.

Repeat process for the Right Hand Side. **NOTE:** Some minor mis-alignment may be present but can be easily sorted by twisting or squeezing the assembly.



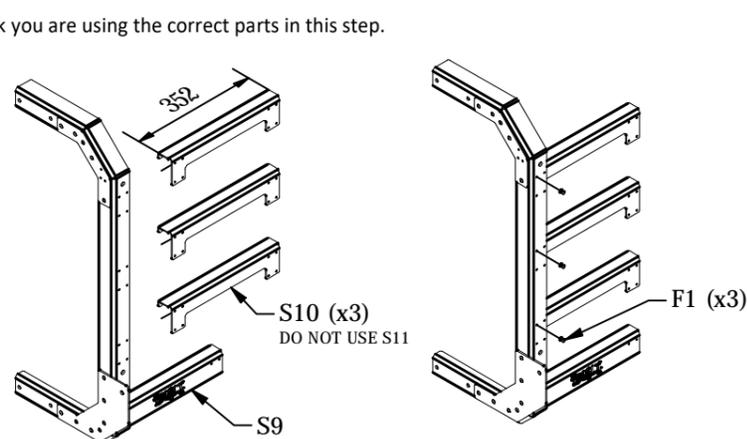
STEP 3:

Starting with the assembled Left Hand Side, position **Ladder Bottom Step (S9)** in place and fasten a single rivet only. Check step for square against the side of the ladder before locking position using another rivet located diagonally to the first rivet inserted.



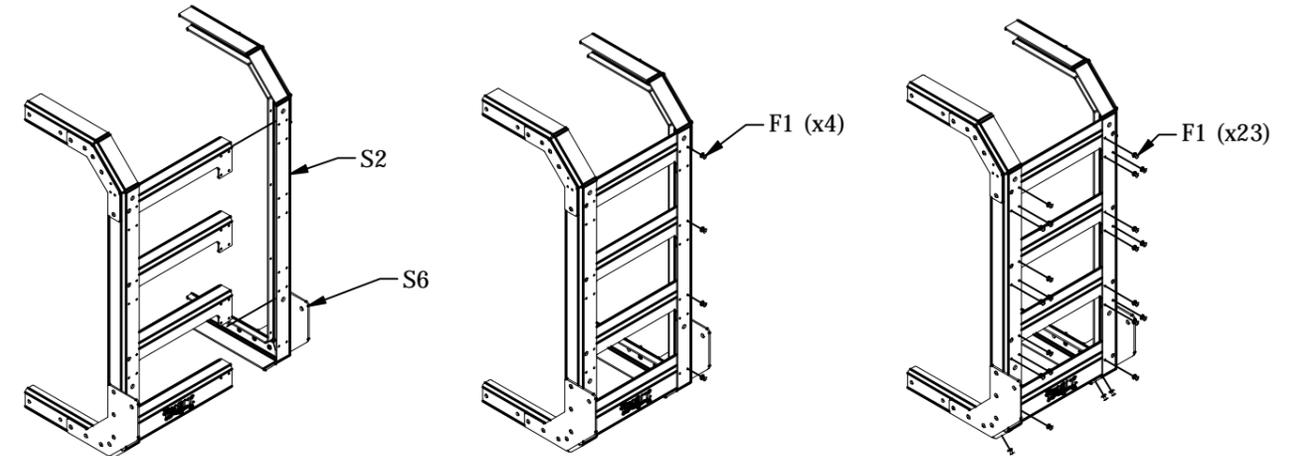
STEP 4:

Insert the remaining **Ladder Step (S10)** and pin in place with a single rivet only. **NOTE:** **Ladder Step (S10)** and **Ladder Lower Step (S11)** differ in length, please check you are using the correct parts in this step.



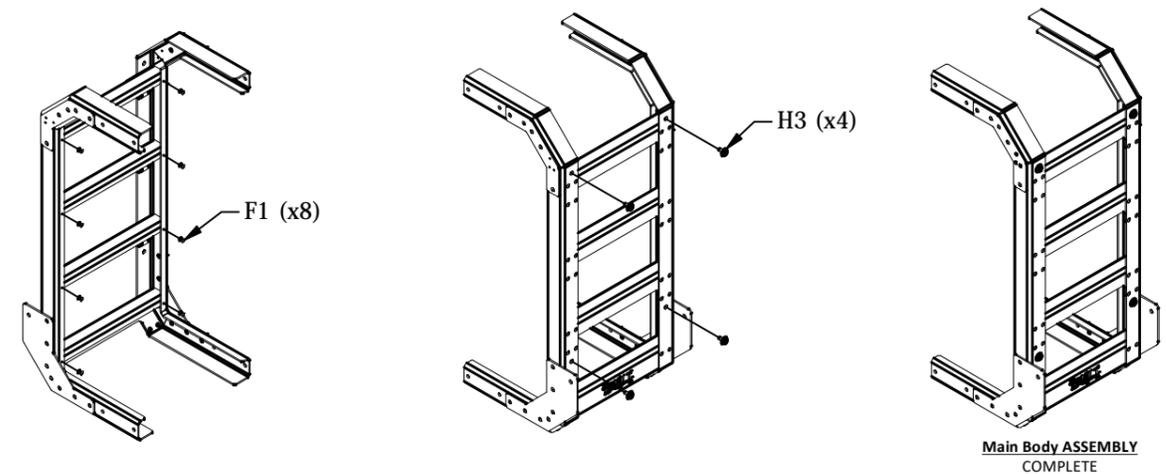
STEP 5:

Slide the Right Hand Side into place ensuring to line up the holes of the Bottom step first. Proceed to rivet the bottom step in place and tweak the remaining steps until all holes are lined up. Re-check for square between the steps and Ladder side, when correct fasten the remaining rivets.



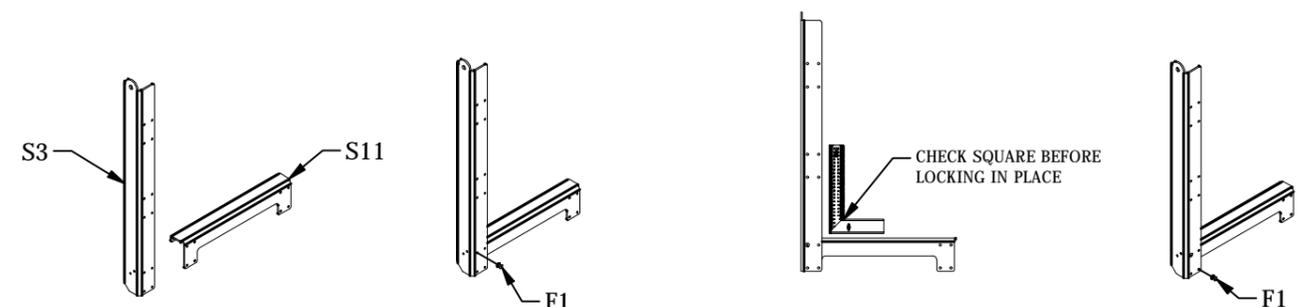
STEP 6:

Fasten Rivets on the back side of the steps, then proceed to insert the rubber buffers from the front side of the ladder. **NOTE:** Pliers can be used to pull rubber buffers through from the back side.



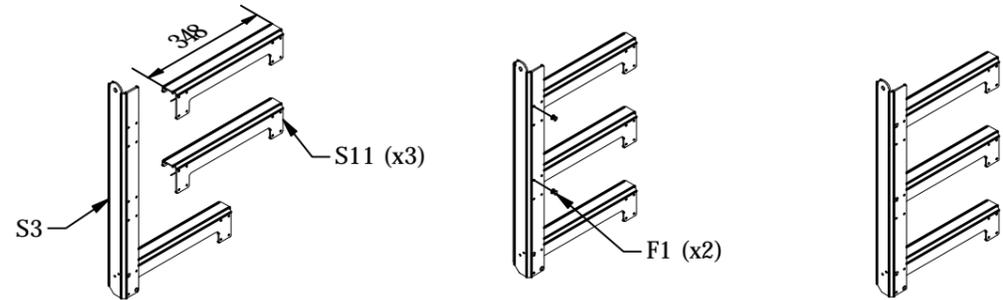
STEP 7:

Starting with the **Ladder Lower side LEFT (S3)**, position **Ladder Lower Step (S11)** in place and fasten a single rivet only. Check step for square against the side of the ladder before locking position using another rivet located diagonally to the first rivet inserted.



STEP 8:

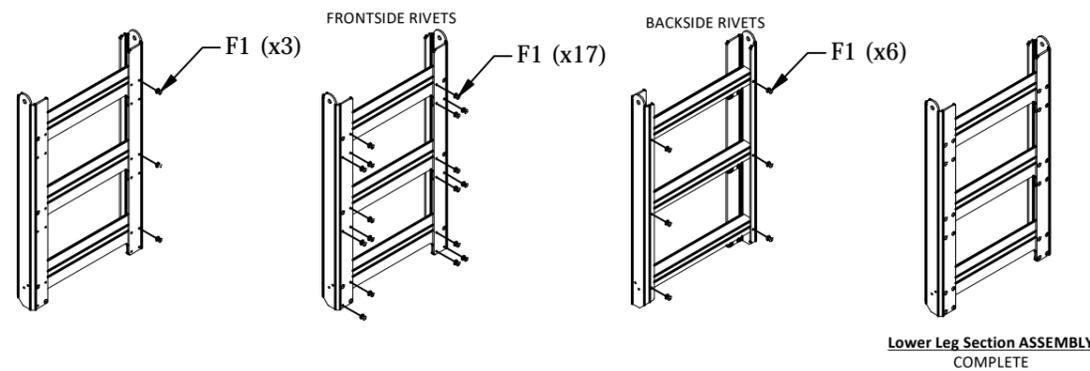
Insert the remaining **Ladder Lower Steps (S11)** and pin in place with a single rivet only. NOTE: **Ladder Lower Step (S11)** and **Ladder Step (S10)** differ in length, please check you are using the correct parts in this step.



STEP 9:

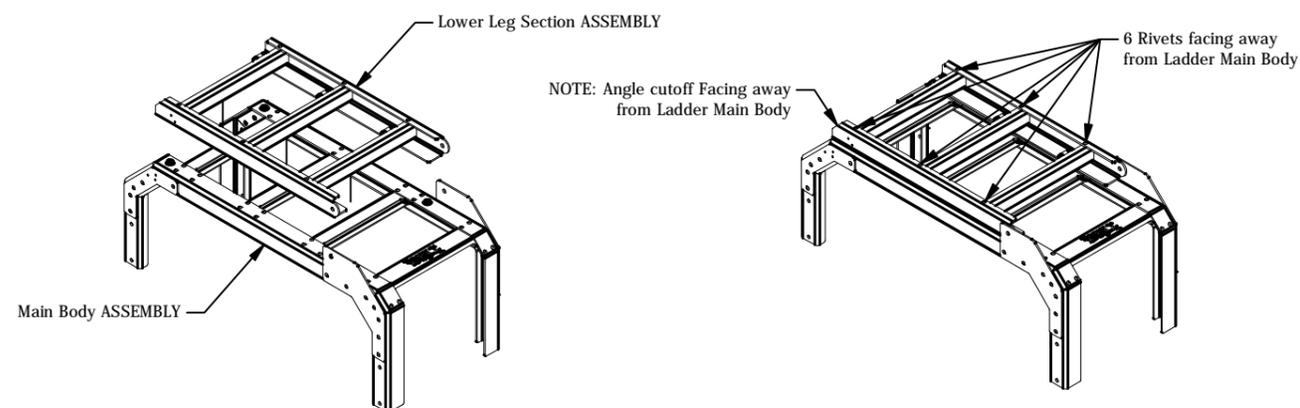
Slide **Ladder Lower Side RIGHT (S4)** into place ensuring to line up the holes of the Bottom step first. Proceed to rivet the bottom step in place and tweak the remaining steps until all holes are lined up. Re-check for square between the steps and Ladder side, when correct, fasten the remaining rivets.

Proceed to fasten rivets on the back side as well.



STEP 10:

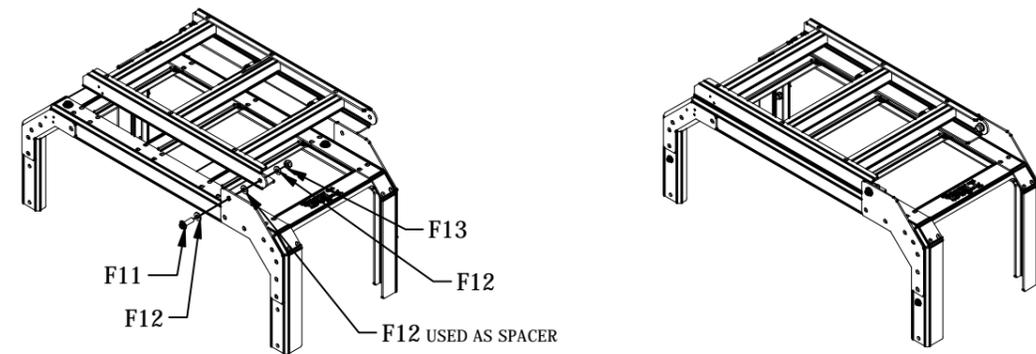
Sit the **Lower Leg Section ASSEMBLY** you have now completed into position on the **Main Body ASSEMBLY** section of the ladder. NOTE: Backside of the lower legs should be facing away from the main body, this is identified as the side with only 6 rivets.



STEP 11:

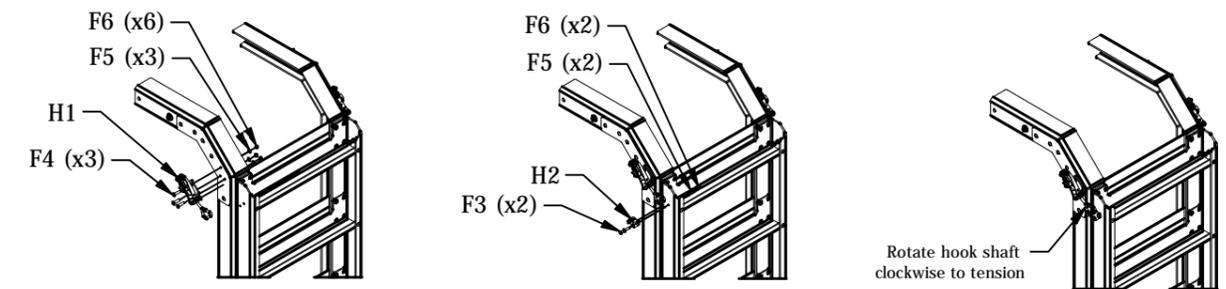
Assemble the hinge bolts in place through the lower pivot, please note the use of one of the 3 washers used as a spacer between the ladder main body and lower leg section. This is replicated exactly the same on both sides.

Tighten bolts to prevent rattling and excessive movement, but not too tight to prevent motion of the lower leg section.



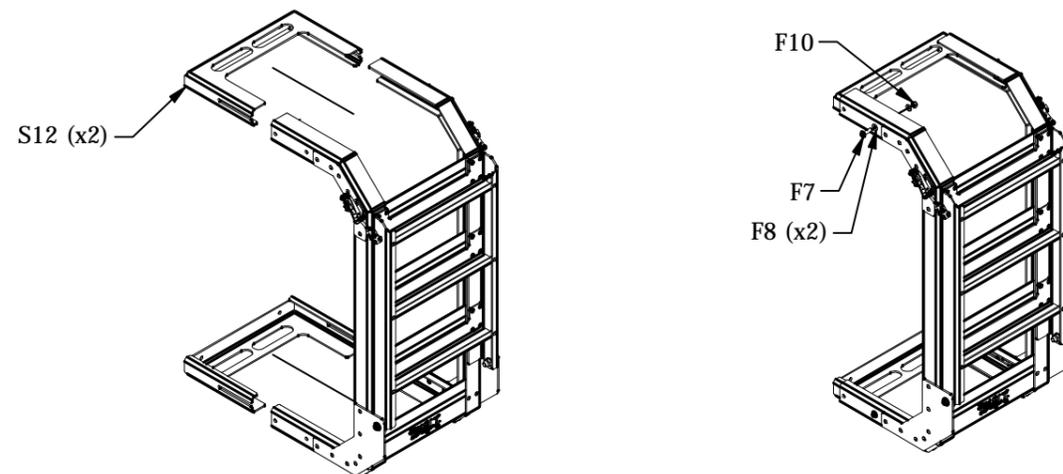
STEP 12:

Assemble the latches and hook plates in place on both sides, then proceed to tension the latch closing force by rotation the hook shaft clockwise. Tension should be enough to prevent rattle and movement but should not require excessive force to operate.



STEP 13:

Insert the **Ladder Attachment Brackets (S12)** and assemble with the described fasteners. NOTE: Temporarily leave these fasteners loose to allow adjustment of the ladder position.

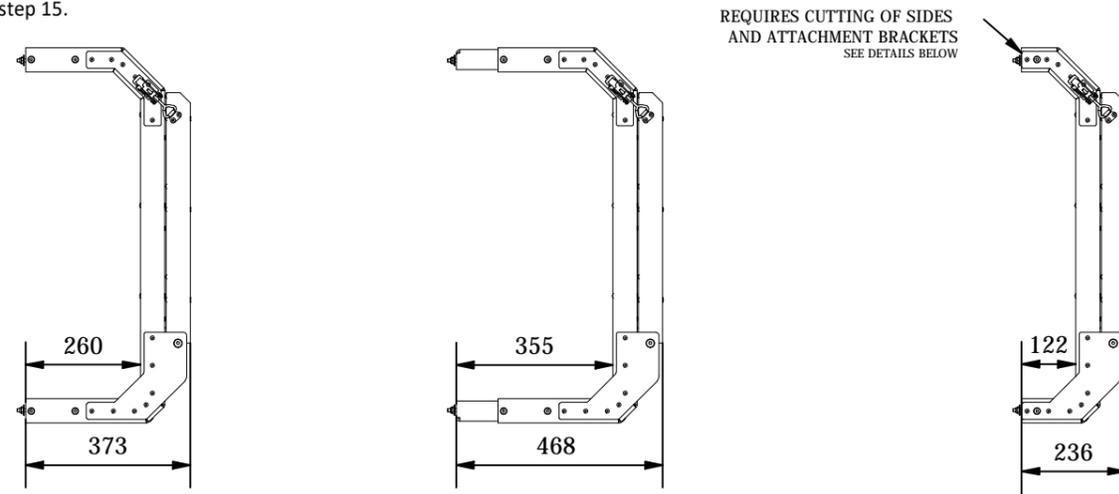


STEP 14:

The ladder depth can be adjusted in the case of fitting spare tyres. The depth can be set from 260mm to 355mm depending on your tyre size. Some additional spacing should be left between the spare tyre and the ladder to allow you to remove the spare tyre easily.

If you prefer a low profile with minimal stick-out from the rear, the ladder sides and attachment brackets can be cut down to achieve a 122mm spacing.

See details in step 15.

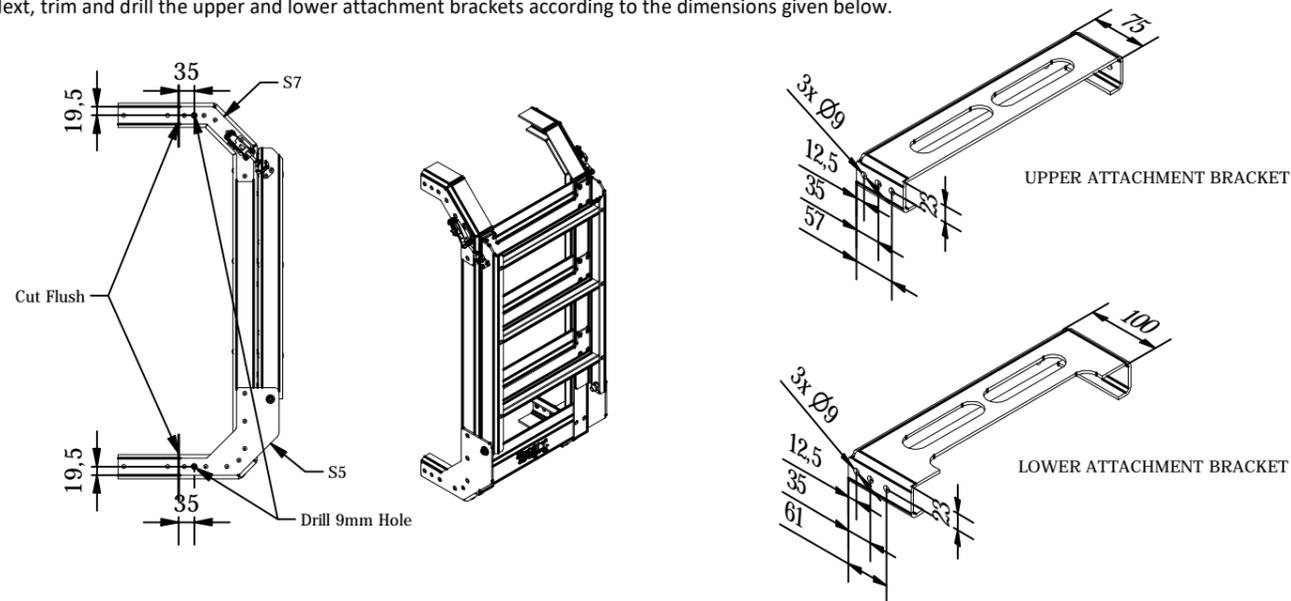


STEP 15: (OPTIONAL)

THIS STEP IS ONLY REQUIRED FOR TRIMMING YOUR LADDER DOWN TO 122mm INNER CLEARANCE. **SKIP THIS STEP FOR STANDARD FITMENT.**

To reduce the depth profile of your ladder, requires trimming of the ladder sides and attachment brackets. Firstly trim the ladder sides down flush with the edges of the **Upper brace (S7)** and **Lower pivot brackets (S5)** as shown below.

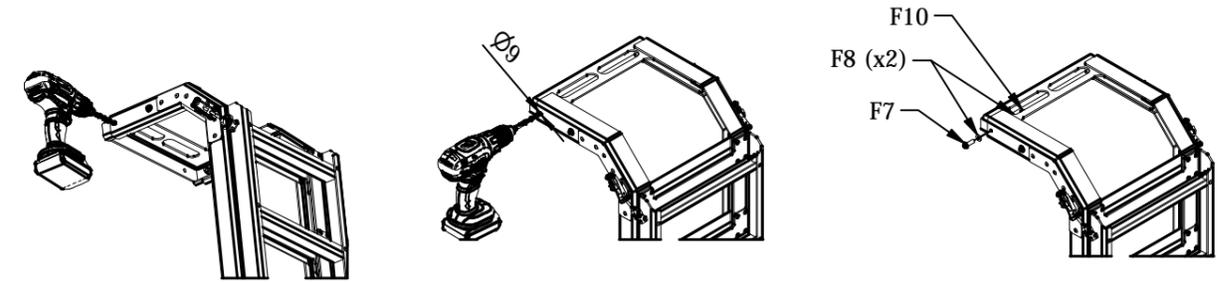
Next, trim and drill the upper and lower attachment brackets according to the dimensions given below.



STEP 16:

Once you have decided on the correct depth for your ladder, check with a measuring tape that all four corners are set the same, tighten the adjustment bolts to lock the position. Using a 9mm drill bit, drill through the additional hole into the attachment bracket, and assemble with the appropriate fasteners. Repeat for all four corners. **NOTE:** If ladder was trimmed in part 15 these holes will already be drilled.

Multiple holes can be drilled if you want to change position in the future, extra holes will not be visible and will not effect the aesthetics of your ladder.



STEP 17:

Installation on your vehical. Using the below dimensions, mark the holes to be drilled in the rear wall of your canopy, ensure to check for clearance on the inside to clear wiring and other internal features. If you can not gain access to the inside to install nuts and washers, the use of Rivet Nuts can be used.

Install fasteners and Enjoy! **NOTE:** It is recommended to apply some sealant such as silicon around bolt holes to prevent ingress inside your canopy.

If you trimmed your ladder to be lower profile you can now install the remaining rivets that were skipped in step 2.

