

WI-02T667KP

CARGO GUARD ASSEMBLY INSTRUCTIONS -FRONTIER



- HEADER PLATE ASSY
- BED SLIDE FRAME ASSY
- BED SLIDE ASSY
- TOOLBOX STD (RS) ASSY
- TOOLBOX STD (CS) ASSY
- TOP COVER ASSY
- LADDER RACK ASSY
- EXTENSION L/R ASSY

STANDARD TORQUE TABLE

SIZE	TIGHTENING TORQUE
1/4-20 (.250)	8 ft lbs.
5/16-18 (.3125)	17 ft lbs.
3/8-16 (.375)	30 ft lbs.
Bed bolts M12 (Taken from Catalog)	60 ft lbs.

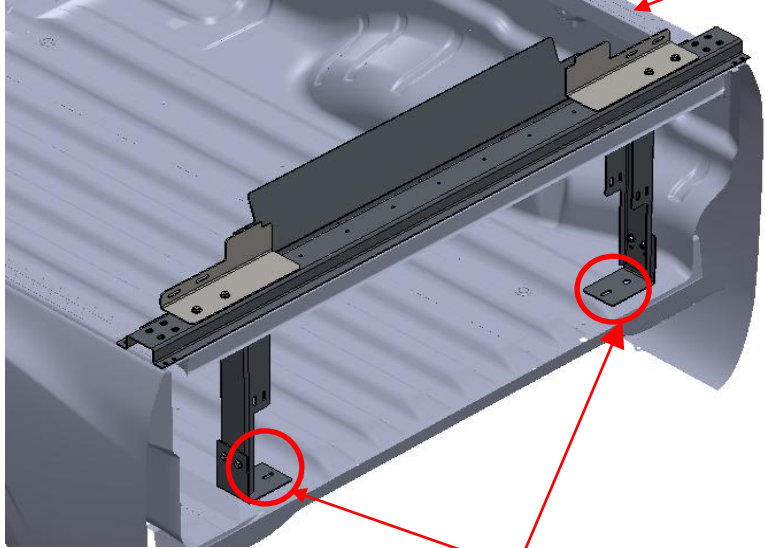
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HEADER PLATE ASSY 02T343 INSTALLATION PROCEDURE

Step-1: Remove existing rail if available
In the pickup



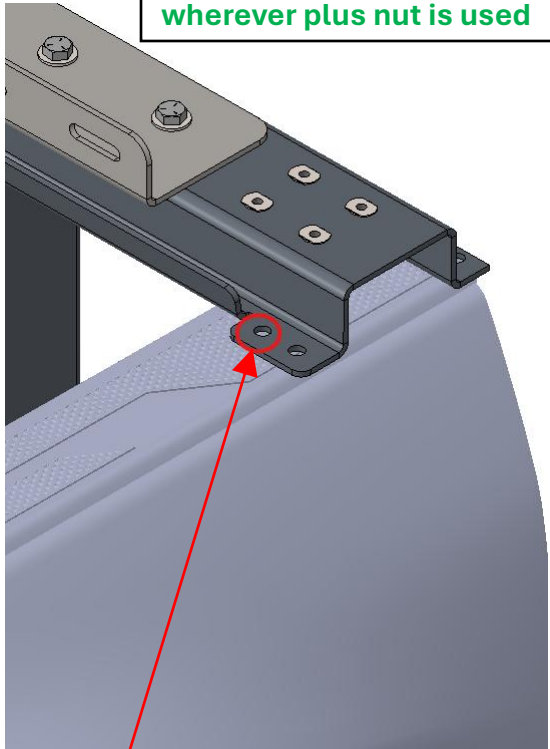
CAB SIDE



PICKUP

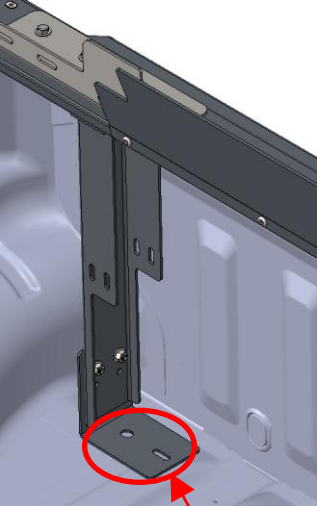
Use 5/16 washer Wherever elongated hole is there

Apply blue Loctite 242 or 243 wherever plus nut is used

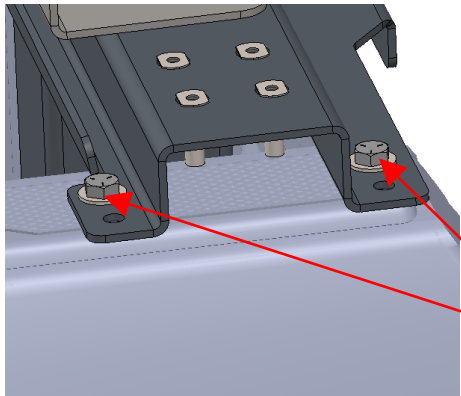


Step-3: Mark the hole positions on the pickup bed. Drill through the bed at the marked location to insert a 5/16-18 plus nut on both the CS and RS sides then tighten it using 5/16-18X0.75 hardware.

Step-2: Use shown hole and Mark the hole position on the top surface of the pickup. Drill through the pickup top at marked location to insert a 5/16-18 plus nut on both the CS and RS sides. After that, place the header plate channel on the top surface of the pickup and tighten it using 5/16-18X0.75 hardware.



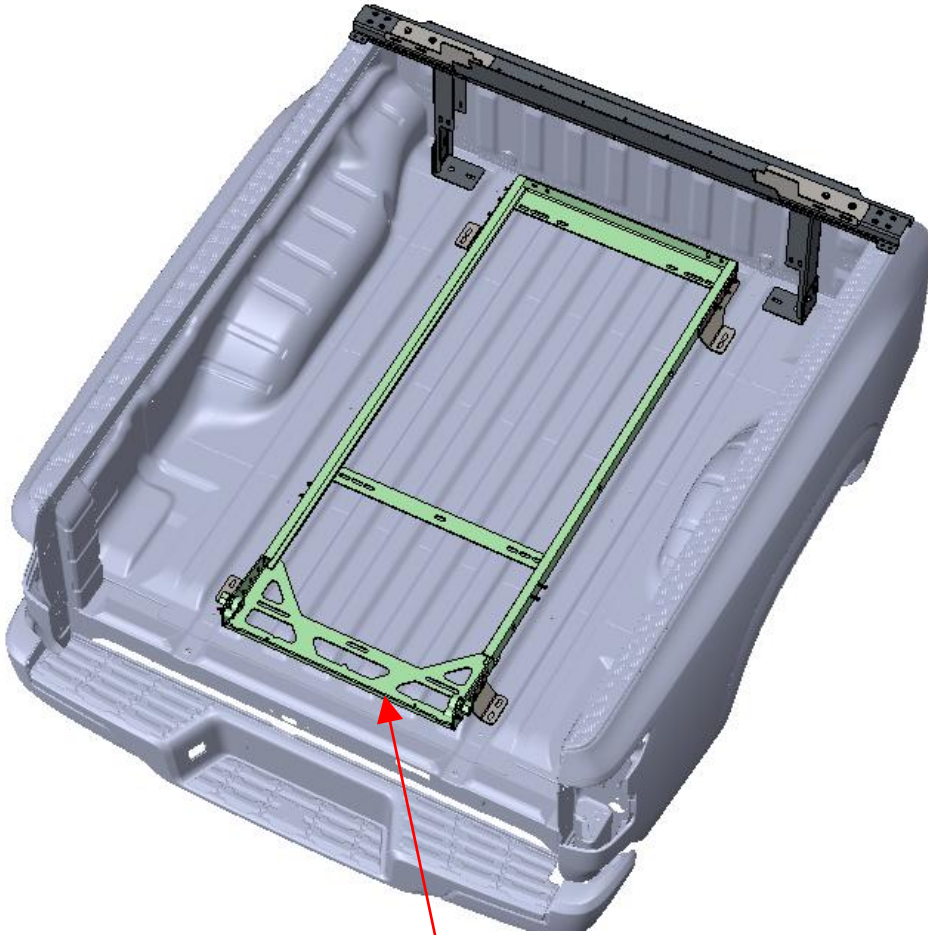
Use both holes for Floor mounting



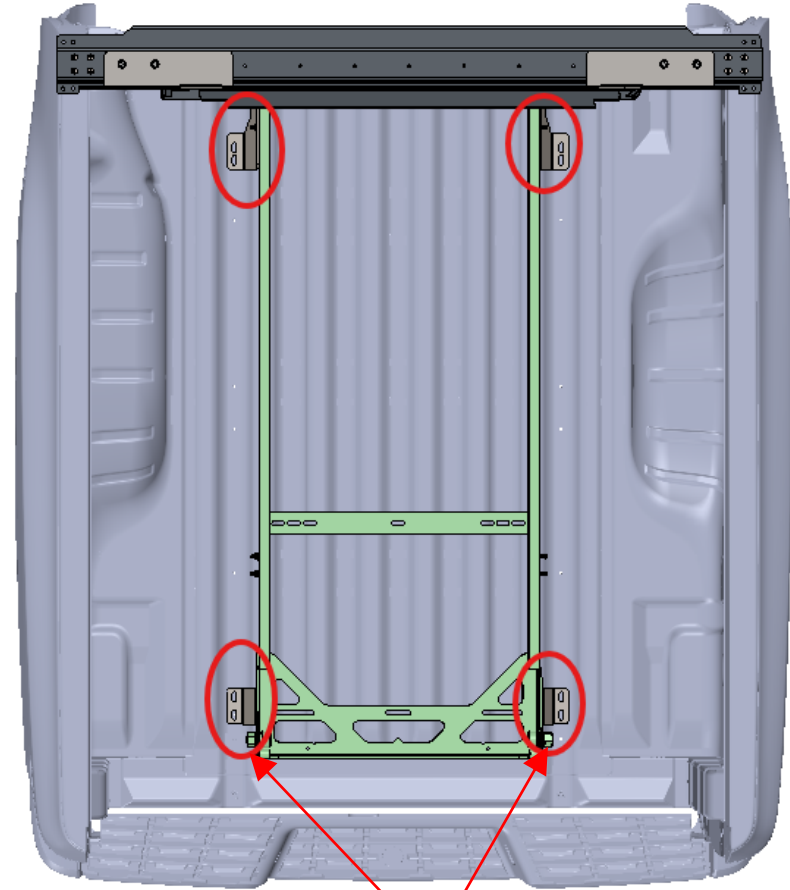
Use second hole for the Frontier vehicle mountings both CS & RS

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BED SLIDE FRAME INSTALLATION PROCEDURE (10-7041-CLS)



BED SLIDE FRAME



Mount the bed slide frame to the existing floor bolt's location at both cab side and tail gate side.

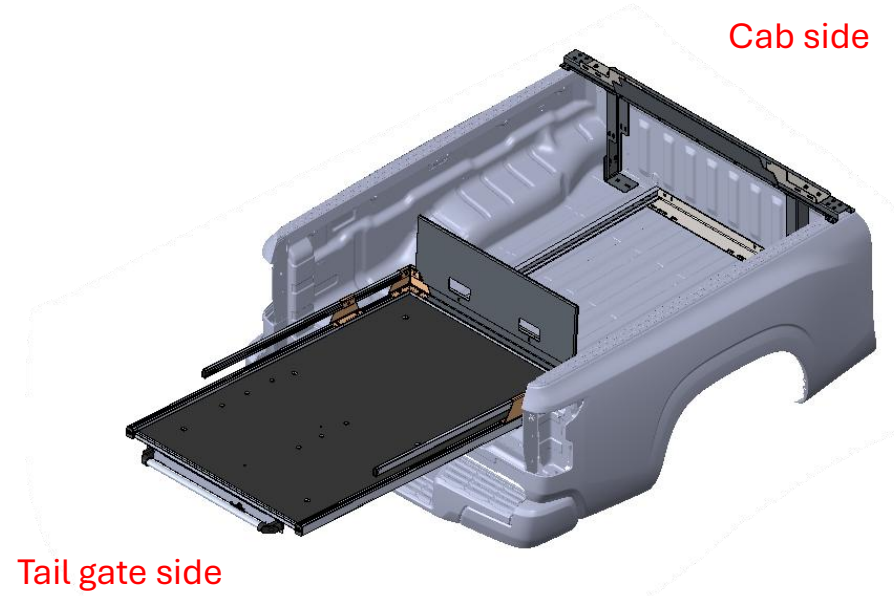
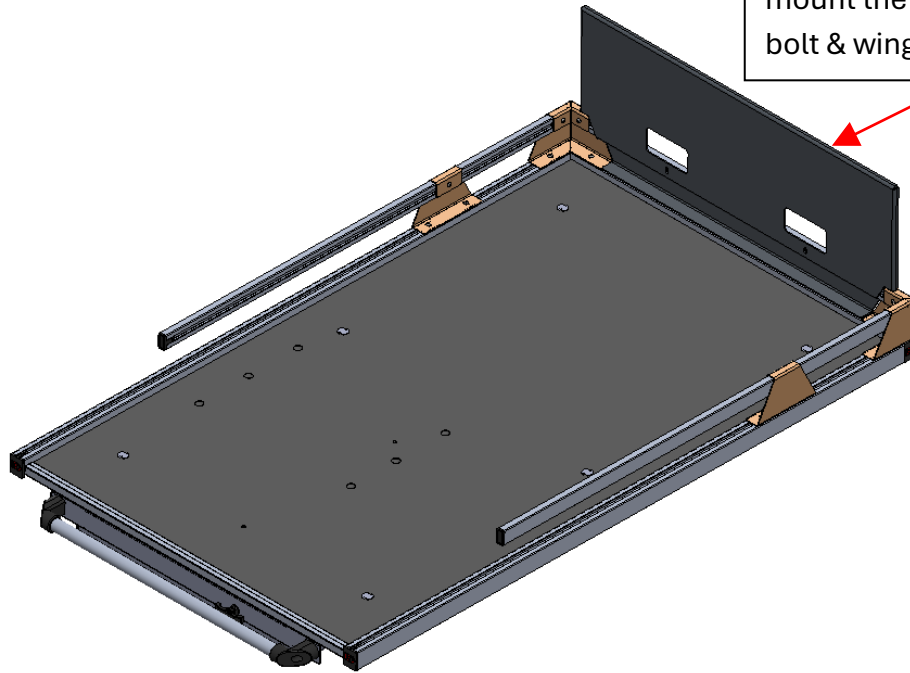
NOTE: Refer bed slide Installation Instructions for more information

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BED SLIDE INSTALLATION PROCEDURE (10-7041-CLS)

Use washer Wherever elongated hole is there

Drill the holes on the bed slide rail & mount the Bulkhead with 1/4 -20 bolt & wing nuts

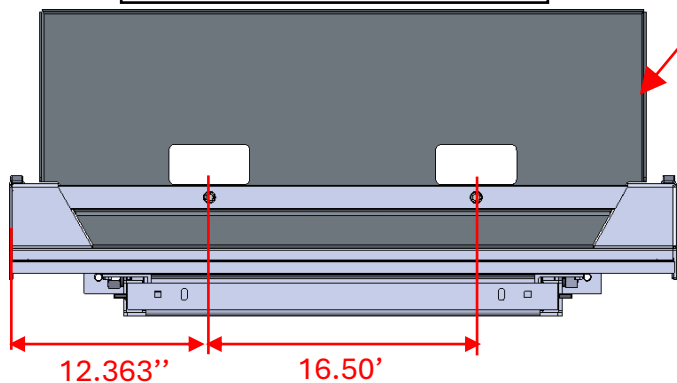


Install the bulkhead on to the bed slide

Install the bed slide **sub-assembly** into frame in the pickup

BED SLIDE SUB ASSY

BULKHEAD INSTALLATION

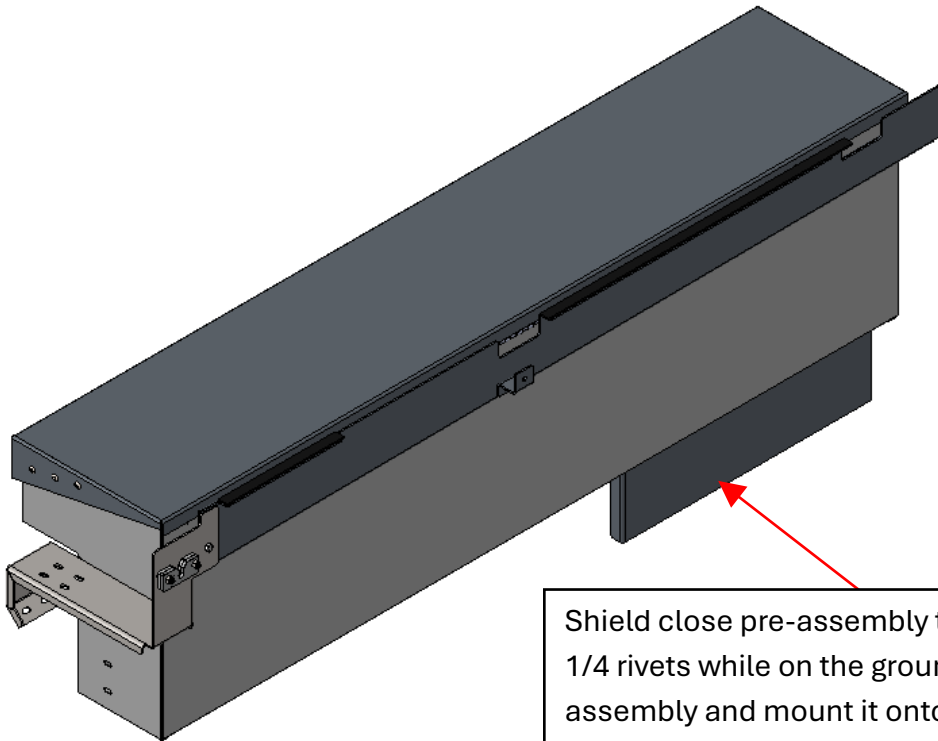


BULKHEAD

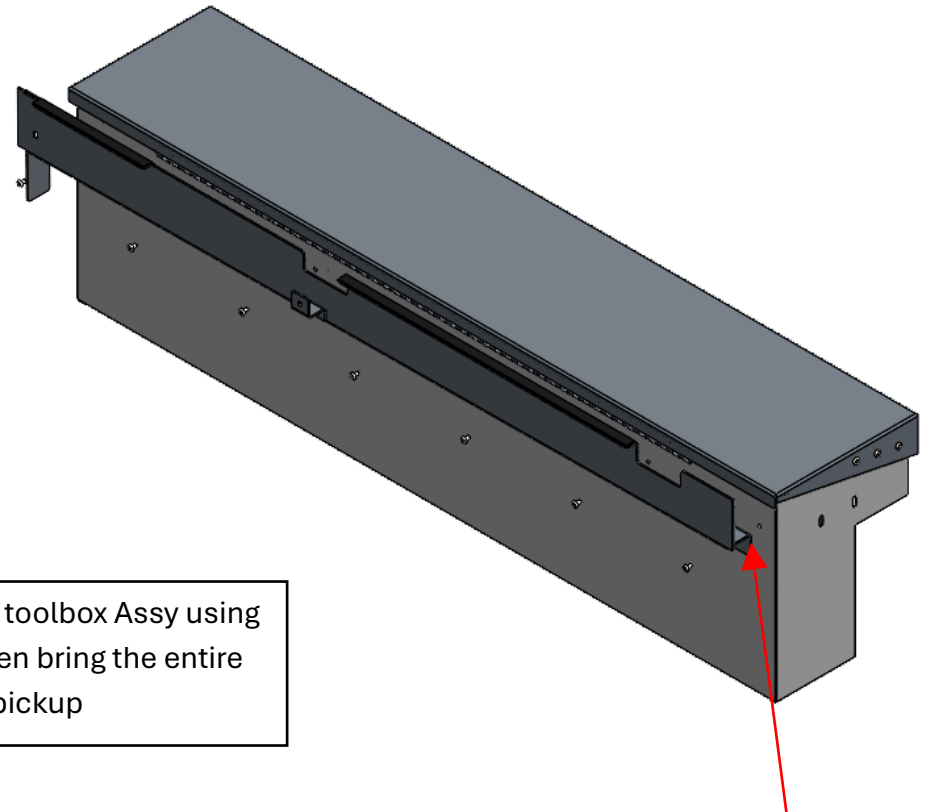
Hardware's will be provided along with Bulkhead

Refer to Page 15 of 15 for Installation of water tank and backpack sprayer rack

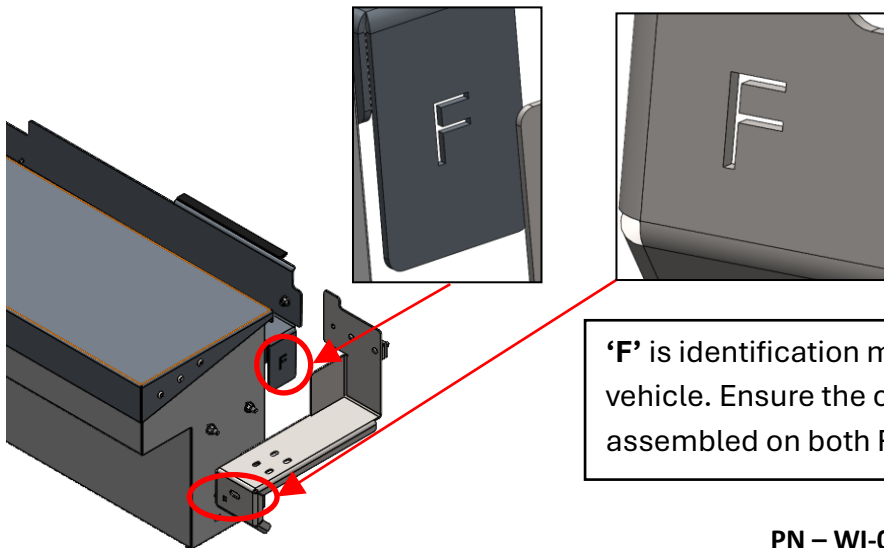
SHIELD CLOSE AND Z BRACKET INSTALLATION PROCEDURE RS & CS



Shield close pre-assembly to the toolbox Assy using 1/4 rivets while on the ground, then bring the entire assembly and mount it onto the pickup



Apply marine-grade adhesive RM460391 between the brackets and the tread face of the toolbox, as well as below the mounting holes. **Ensure the adhesive does not squeeze out after the brackets are tightened with rivets**



'F' is identification mark for frontier vehicle. Ensure the correct parts are assembled on both RS & CS toolbox

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TOOLBOX ASSY (RS) 02T569 INSTALLATION PROCEDURE

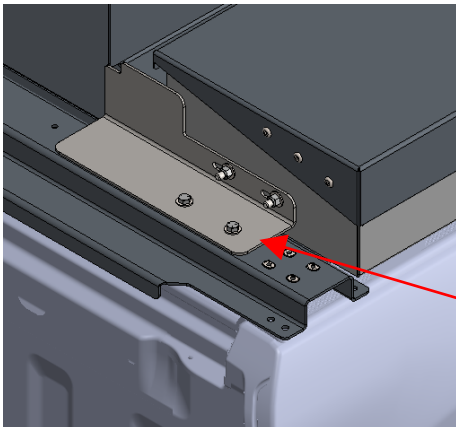
Wherever toolbox mounting to the brackets
Use 5/16 washer while Assembly

Apply blue Loctite 242 or 243
wherever plus nut is used

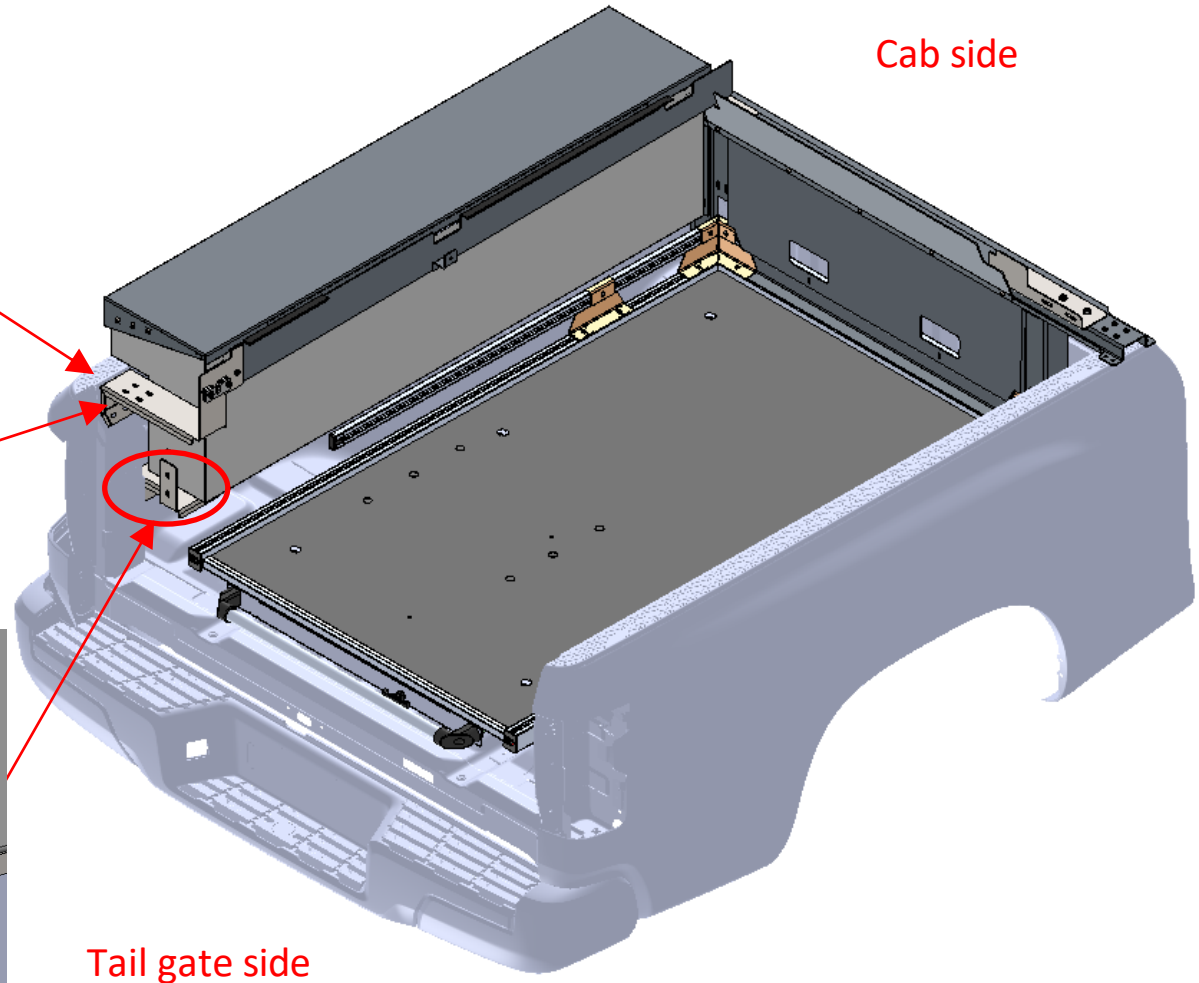
Step-2: Toolbox rest on the top
surface of the pickup side wall

Step-4: Mark the hole position through the side
mount Bracket (02T635). Drill the holes on the
marking locations to insert plus nut 5/16-18 RS
after that rear Side bracket mounting to the side
Wall of the pickup & tightened it using 5/16-
18X0.75 Hardware (**do not tight fully ***).

Step-1: Bottom bracket
(02T610) mounting to the
existing pickup D-Ring bolts
locations (**do not tight fully ***).



Step-3: Toolbox mounting to the
front side Bracket (02T558) &
tightened using 5/16-18
Hardware's (**do not tight fully ***).



***Once the toolbox is properly aligned with the
brackets on both the cab side and the tailgate
side, ensure all hardware's is securely
tightened as per the torque values specified.**

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TOOLBOX ASSY (CS) 02T570 INSTALLATION PROCEDURE

Apply blue Loctite 242 or 243 wherever plus nut is used

CAB side

Step-2: Toolbox rest on the top surface of the pickup side wall

Wherever toolbox mounting to the brackets Use 5/16 washer while Assembly

Step-4: Mark the hole position through the side mount Bracket (02T636). Drill the holes on the marking locations to insert plus nut 5/16-18 CS after that rear Side bracket mounting to the side Wall of the pickup & tightened it using 5/16-18X0.75 Hardware (**do not tight fully ***).

Step-1: Bottom bracket (02T609) mounting to the existing pickup D-Ring bolts locations (**do not tight fully ***).

Tail gate side

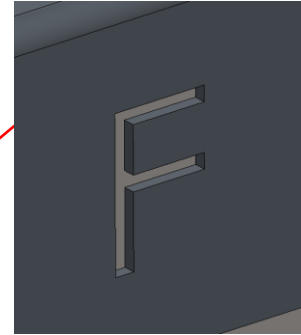
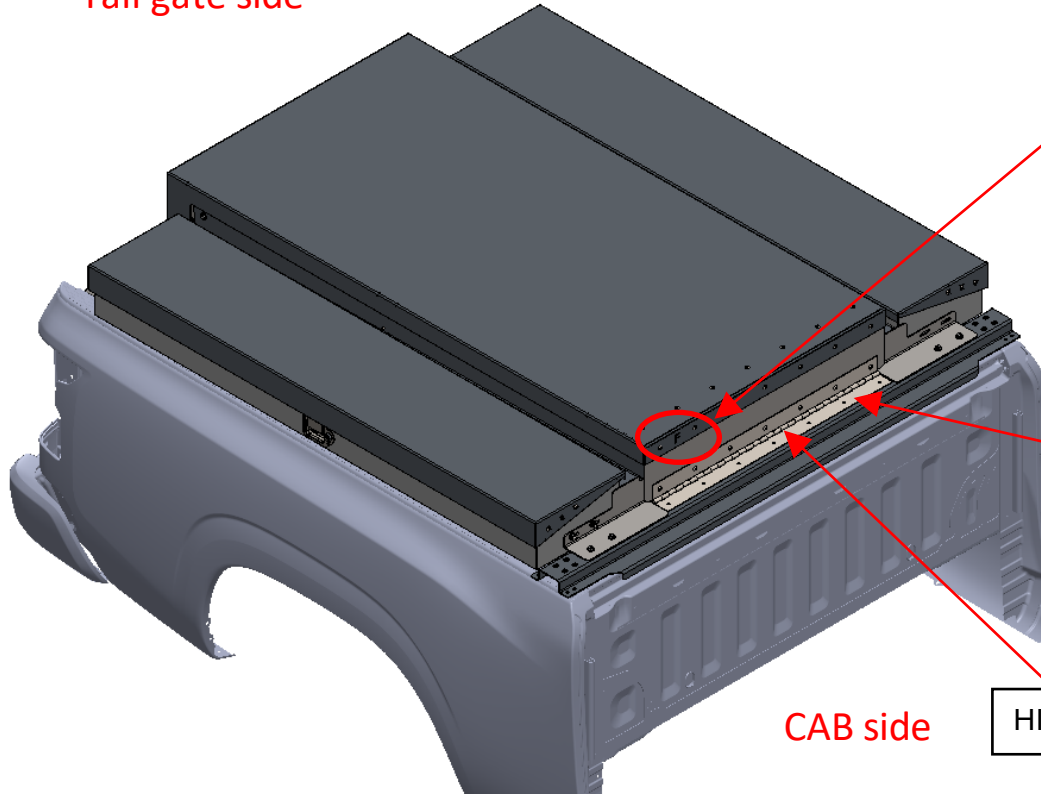
Ensure guide block is installed on both RS & CS

Step-3: Toolbox mounting to the front side Bracket (02T559) & tightened using 5/16-18 Hardware's (**do not tight fully ***).

***Once the toolbox is properly aligned with the brackets on both the cab side and the tailgate side, ensure all hardware's is securely tightened as per the torque values specified.**

TOP COVER ASSY 02T637 INSTALLATION PROCEDURE

Tail gate side

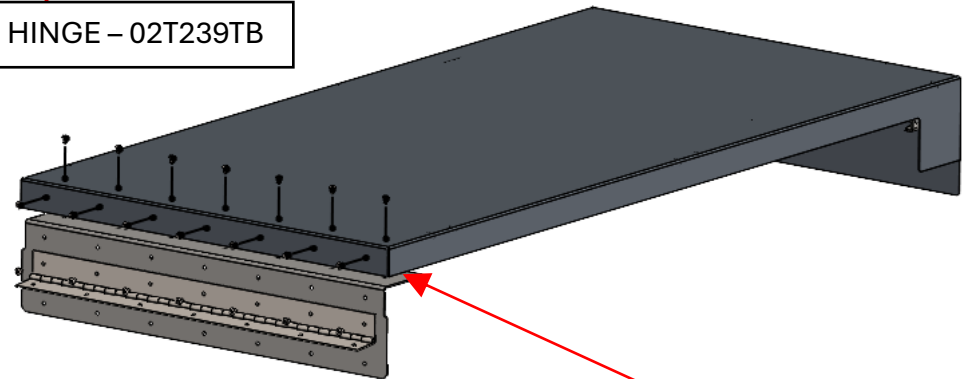
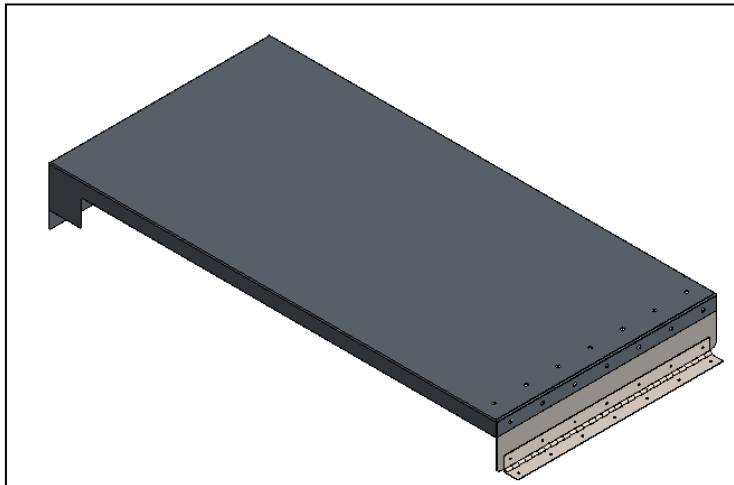


'F' is identification mark for frontier vehicle. Ensure correct Top cover used in assembly

Step-1: Hinge leaf mounted on the top surface of the header plate channel and secured with 1/4" rivets

CAB side

HINGE - 02T239TB



Apply marine-grade adhesive RM460391 between the top cover weldment & the face of top cover back panel, then tightened with the rivets

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LADDER RACK ASSY BRACKETS INSTALLATION PROCEDURE

Mount the Ladder rack upright mounting brackets in the Cab side using 5/16-18 plus nut & 5/16-18 Hardware's. **(Do not tighten fully *)**

Use 5/16 washer Wherever elongated hole is there

Apply blue Loctite 242 or 243 wherever plus nut is used

Cab side

SHORT LENGTH BRACKET 02T270 ON BOTH RS & CS

LONG LENGTH BRACKET 02T266 ON BOTH RS & CS

Tail gate side

***Refer page-10** Once the ladder rack vertical uprights are aligned with the brackets on both the CS & RS side, ensure all hardware's is securely tightened as per the torque values specified.

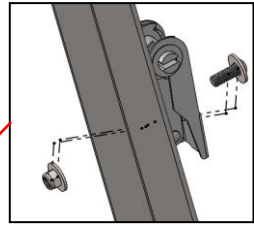
Mount the Ladder rack upright mounting brackets in the Tail gate side using 5/16-18 Hardware's. **(Do not tighten fully *)**

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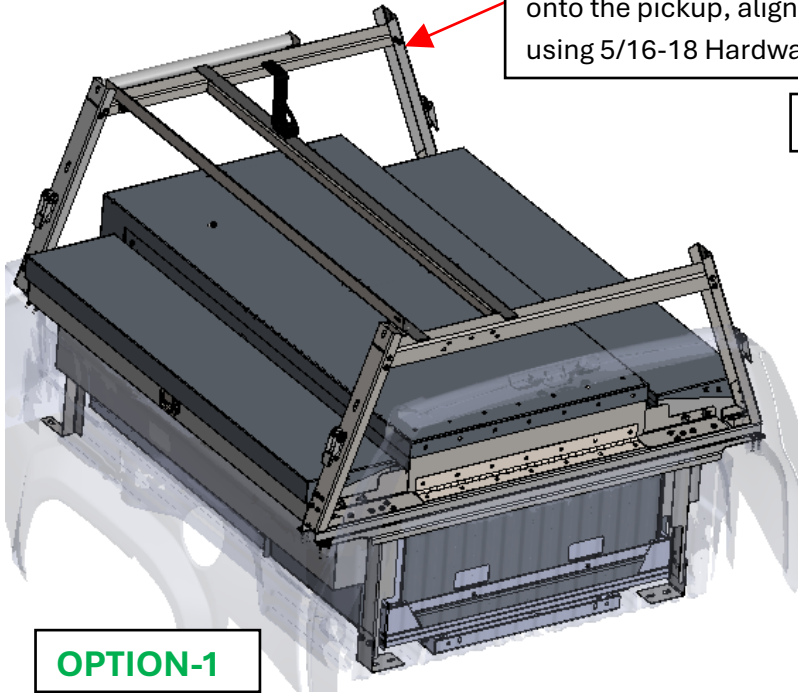
LADDER RACK ASSY INSTALLATION PROCEDURE

Apply blue Loctite 242 or 243 wherever plus nut is used

Assemble the ladder rack sub-assembly (02T717) on the ground, then bring the complete assembly and mount it onto the pickup, aligning it with the mounting brackets using 5/16-18 Hardware's

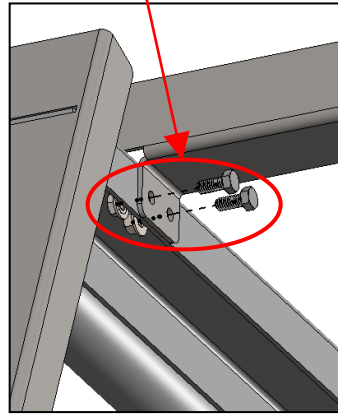


Secure with 3/8-16 Hardware's



OPTION-1

5/16-18 Hardware's



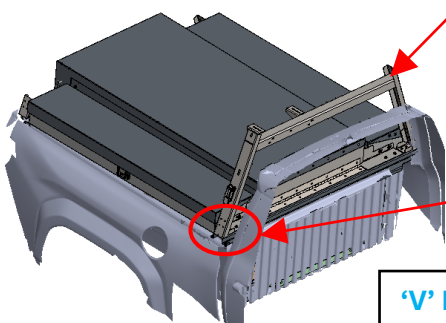
CAB & TAIL GATE SIDE

Ladder rack sub Assy prepared on the ground

1. L/R Upright Assy (Tail gate & Cab side)
2. Horizontal cross bar LH & RH
3. Assemble the roller with LH & RH Brackets using Rivets at the RH & 5/16 Hardware's at LH
4. Assemble the ratchet straps all 4 uprights
5. Place the Rubber L angle 1/8X1.75 on the Horizontal cross bar
6. Assemble backstop on the Horizontal cross bar

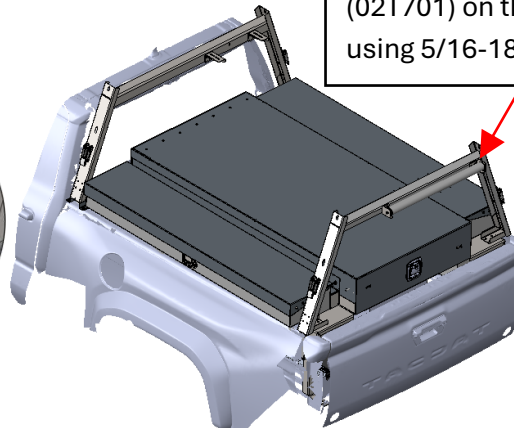
OPTION-2

Install ladder rack sub Assy (02T716) on the cab side using 5/16-18 Hardware's



'V' Notch is identification for cab side mounting

Install ladder rack sub Assy (02T701) on the Tailgate side using 5/16-18 hardware's

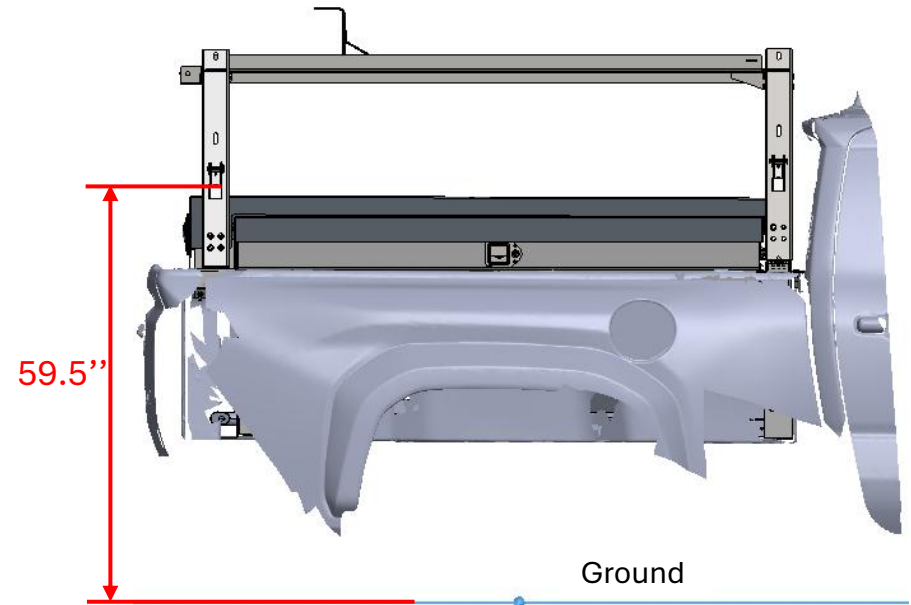
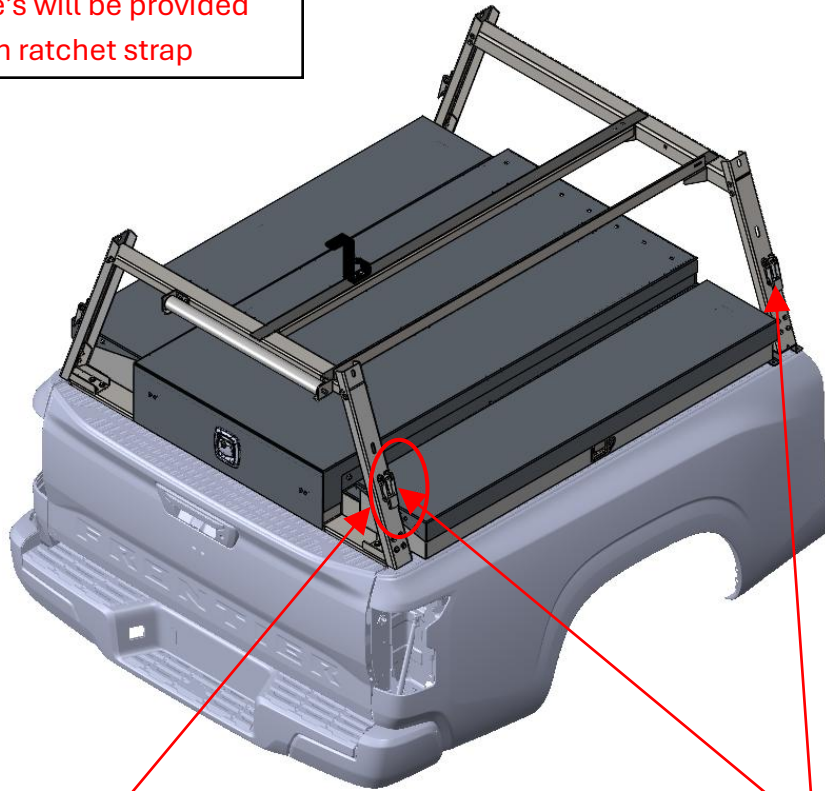


Install L/R horizontal Cross bars LH, RH Parts using 5/16X18 Hardware's Place the Rubber L angle 1/8X1.75 on the Horizontal cross bar & install back stop on the cross bars using 5/16-18 Hardware's

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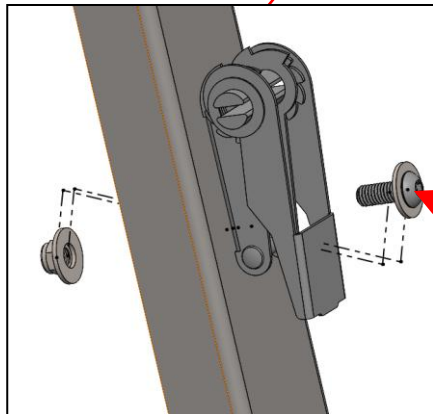
RATCHET STRAP INSTALLATION PROCEDURE (OPTIONAL)

Hardware's will be provided along with ratchet strap



Step1. Cut the fixed/non-adjustable strap hook, then install it onto the ladder rack

Step2. Install Ratchet strap on all 4 vertical uprights of L/R as per location given



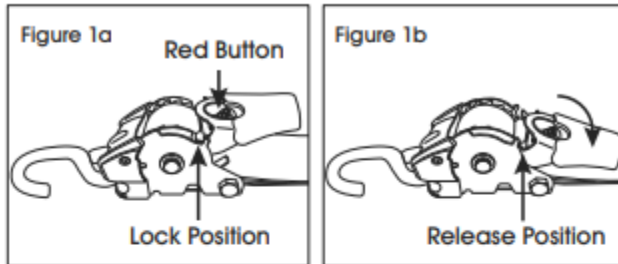
3/8-16 Button head cap screw

Secure with 3/8-16 Hardware's

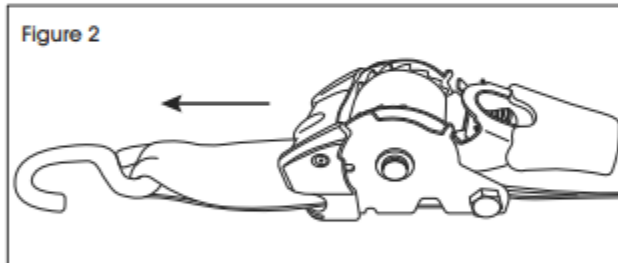


RATCHET STRAP OPERATING PROCEDURE

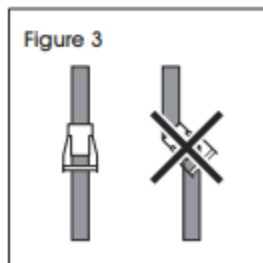
1. Press red button and move handle downwards into release position. (See Figures 1a-1b)



2. Pull strap to desired length and hook to anchor points. (See Figure 2)

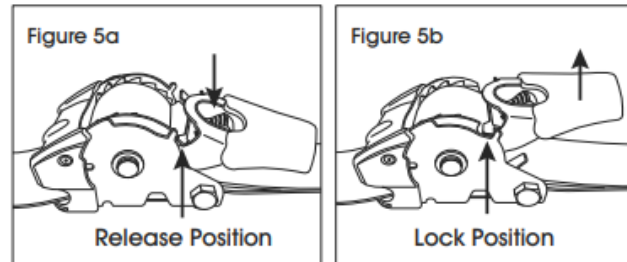


NOTE: Handle must be in line with direction of pull to achieve working load limit. (See Figure 3)

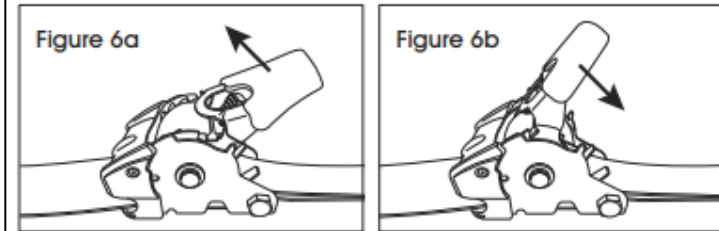


3. Wrap the strap around the ladder, insert hook into the hole, then press red button to tension the strap

4. Press red button and move handle upward into lock position. (See Figures 5a-5b)



5. Once in lock position, move handle up and down to tighten tie-down. When tight, return to lock position.



6. To Release tie-down, press red button and move handle downward into release position. It's recommended to keep tie-down hooked during this step

7. When in release position, unhook the tie down from anchor points and press red button to retract

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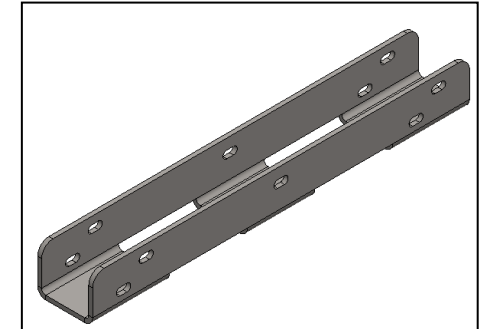
EXTENSION L/R (02T951KP) INSTALLATION PROCEDURE

Use 5/16 washer Wherever elongated hole is there

STEP-1: Mount the reinforcement channel (02T715) and tighten it to the cab side of the main ladder rack hardware 5/16-18

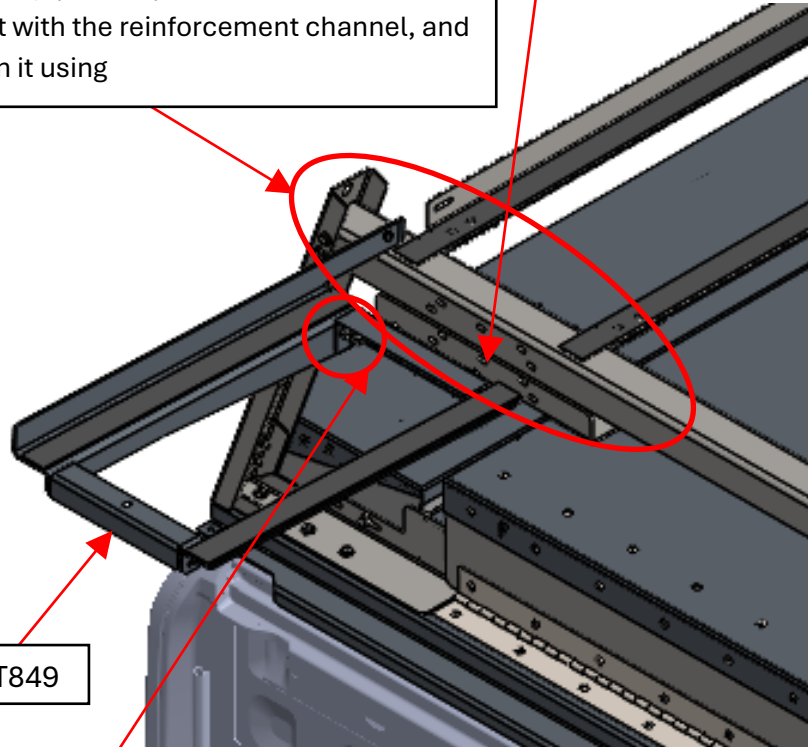


02T849-EXTENSION L/R SUB-ASSY

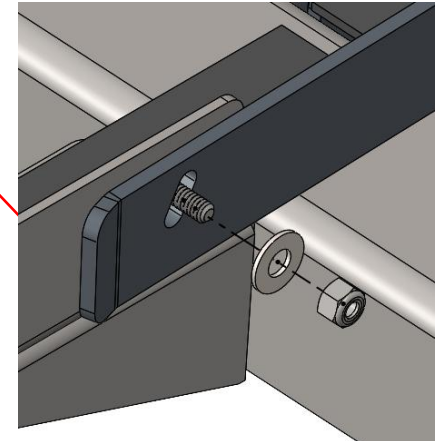
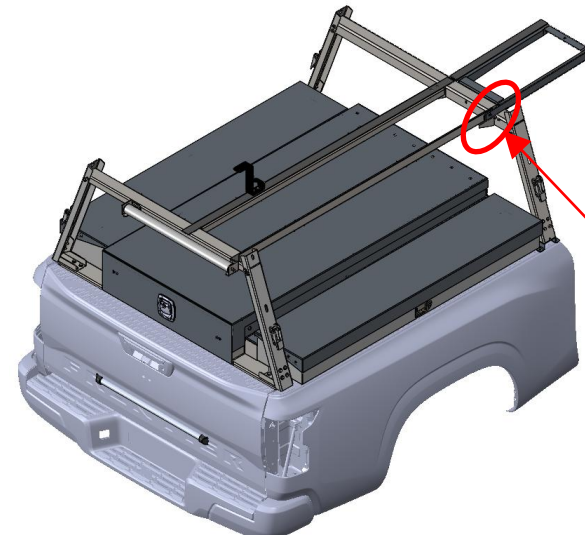


02T715-REINFORCEMENT CHANNEL

STEP-2: Attach the Extension L/R Sub-Assembly (02T849) to the main ladder rack, align it with the reinforcement channel, and tighten it using



02T849

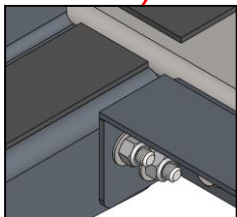


STEP-3: Align the extension ladder rack to the main ladder rack, then tighten it using 1/4-20 round head bolts, washers, and nuts. *

* Once the extension L/R are aligned with the main ladder rack, ensure all hardware's is securely tightened.

Hardware's will be provided along with Extension L/R

STEP-4: Once align to the main ladder rack, then tighten the hardware's *

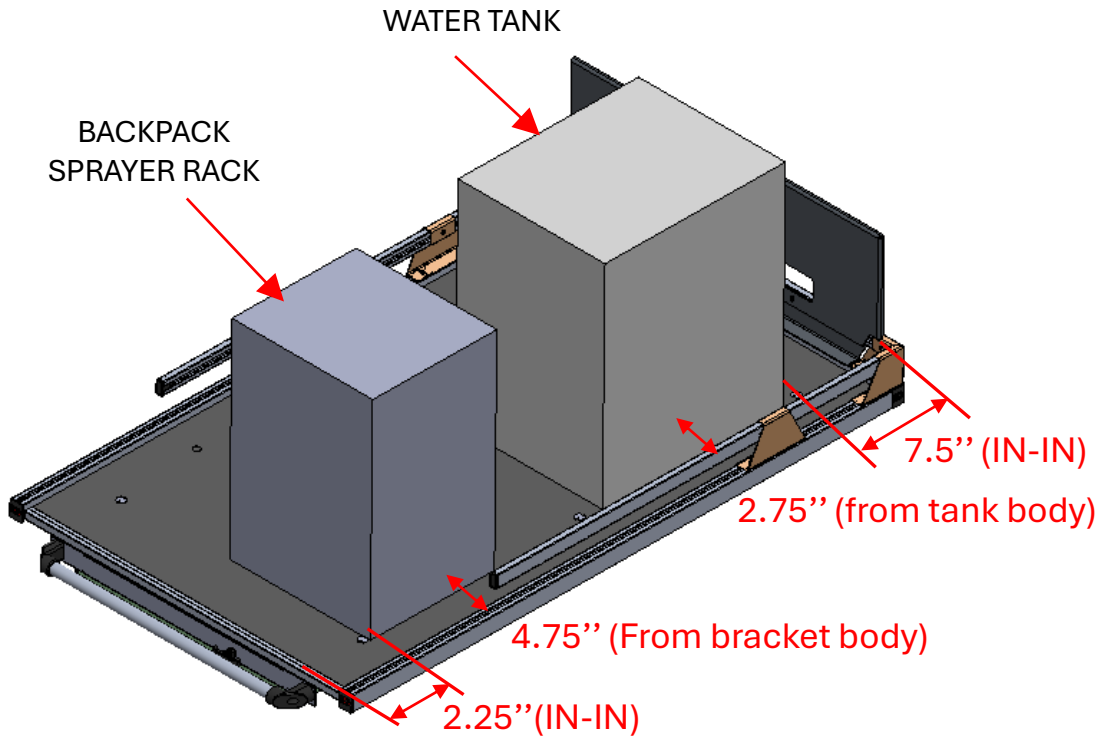


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Revision table		
Rev	Description	Date
1	Initial Release	08/25/25
2	Water tank, backpack spray location updated & L/R Images updated	11/13/25
3	Blue Loctite notes are added in sheets 2, 6, 7, 9 & 10. Guide Block installation image included in sheet 7. Tightening of bolt notes updated in sheets 6 & 7.	12/19/25
4	Removed preliminary watermark on all the sheets	12/31/25
5	Removed sprayer rack and water tank from page-4, added extension L/R installation procedure and added addendum sheet for water tank, sprayer rack installation instructions in page-15	03/06/26

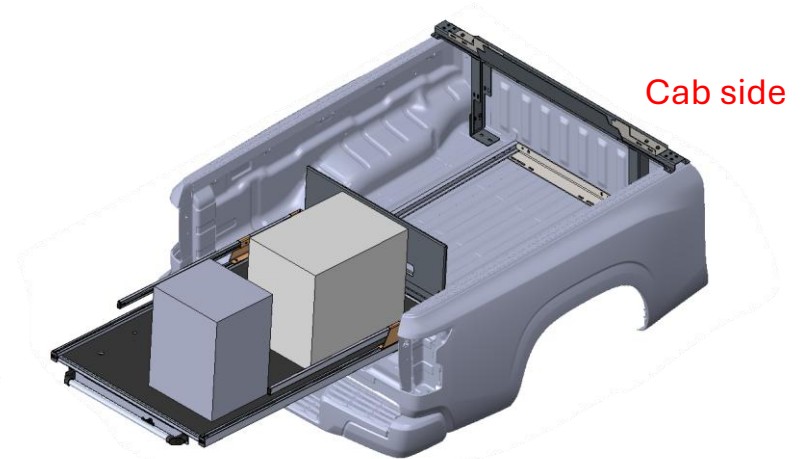
TYPICAL WATER TANK AND BACKPACK SPRAYER INSTALLATION

Use washer Wherever elongated hole is there



Install the water tank, backpack sprayer rack, on to the bed slide

BED SLIDE SUB ASSY



Install the bed slide **sub-assembly** into frame in the pickup