BOSSCO / INSTALLATION INSTRUCTIONS

BC-DRAWER-RAN-02-FF

Dual Drawer Ute Tub Drawer System for Ford Ranger NG P703 2022-2026

Fixed Top Full Height / Fixed Top Full Height

Included instructions	PDF pages
Main floor-kit installation manual	2-27

The original supplier pages are included unchanged. Page numbers mentioned within a supplier manual refer to that manual's printed page numbers, not the combined PDF page count.

NEWAY WORKS

Installation Manual

Side Floor Kit For Ford Next Generation of Ranger 22-Onward With No Tub Liner Or Spray Tub Liner On

Part number: SFKNGR22

A must read section

It is recommended that trained person to install this product.

During the installation, it is the duty of the installer to check correct operation/ clearance of all vehicle component.

Neway works does not hold any responsibilities for impact of changes made by vehicle manufacturers.

This side floor kit can only be installed on the tub with a spray tub liner or no tub liner. If there is a plastic tub liner on the tub, it need to be take off from the tub before the installation.

For Ford next generation ranger 22-on, you will need to take the tie down point off at rear of the tub before start installation.

Before installation, make sure the tub is nice and clean.

Anti-Roll back system

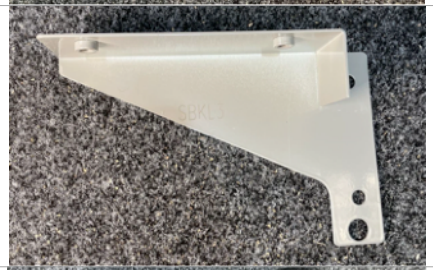
The fix floor drawer and roller floor drawer are fitted with an anti-roll back system which means that upon full extension, the fix floor drawer and roller floor drawer will open and resist static force. A forceful “knock” using the palm of the hand is required to disengage the system.

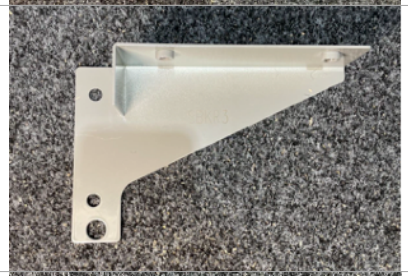
General care and maintenance:

Every three month, spay a small amount of WD40 on drawer rails. If more harsh or dusty environment, carry out maintenance more often.

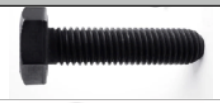
Bill of material

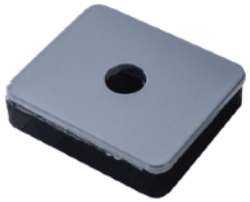
Reference picture	Name	Quantity	Detail	Parts supplied from
	Latch locking channel	2	4 bolts are preinstalled on the latch.	Inside of the drawer
	M6x16 Roundhead Bolt	4		
	Left side bracket 1	1	wrapped individually	Side floor kit

Reference picture	Name	Quantity	Detail	Parts supplied from
	Left side bracket 2	1	wrapped individually	Side floor kit
	Left side bracket 3	1	wrapped individually	Side floor kit
	Right side bracket 1	1	wrapped individually	Side floor kit

Reference picture	Name	Quantity	Detail	Parts supplied from
	Right side bracket 2	1	wrapped individually	Side floor kit
	Right side bracket 3	1	wrapped individually	Side floor kit
	Left rear bracket	2	wrapped individually	Side floor kit

Reference picture	Name	Quantity	Detail	Parts supplied from
	Right rear bracket	2	wrapped individually	Side floor kit
Please check position definition picture	Left side floor 1	1	All side floors with carpet.	Side floor kit
Please check position definition picture	Left side floor 2	1		Side floor kit
Please check position definition picture	Left side floor 3	1		Side floor kit
Please check position definition picture	Right side floor 1	1		Side floor kit
Please check position definition picture	Right side floor 2	1		Side floor kit
Please check position definition picture	Right side floor 3	1		Side floor kit
	Mounting channel	2	For reconstruct two single drawer modules as one twin drawer module uses.	Side floor kit

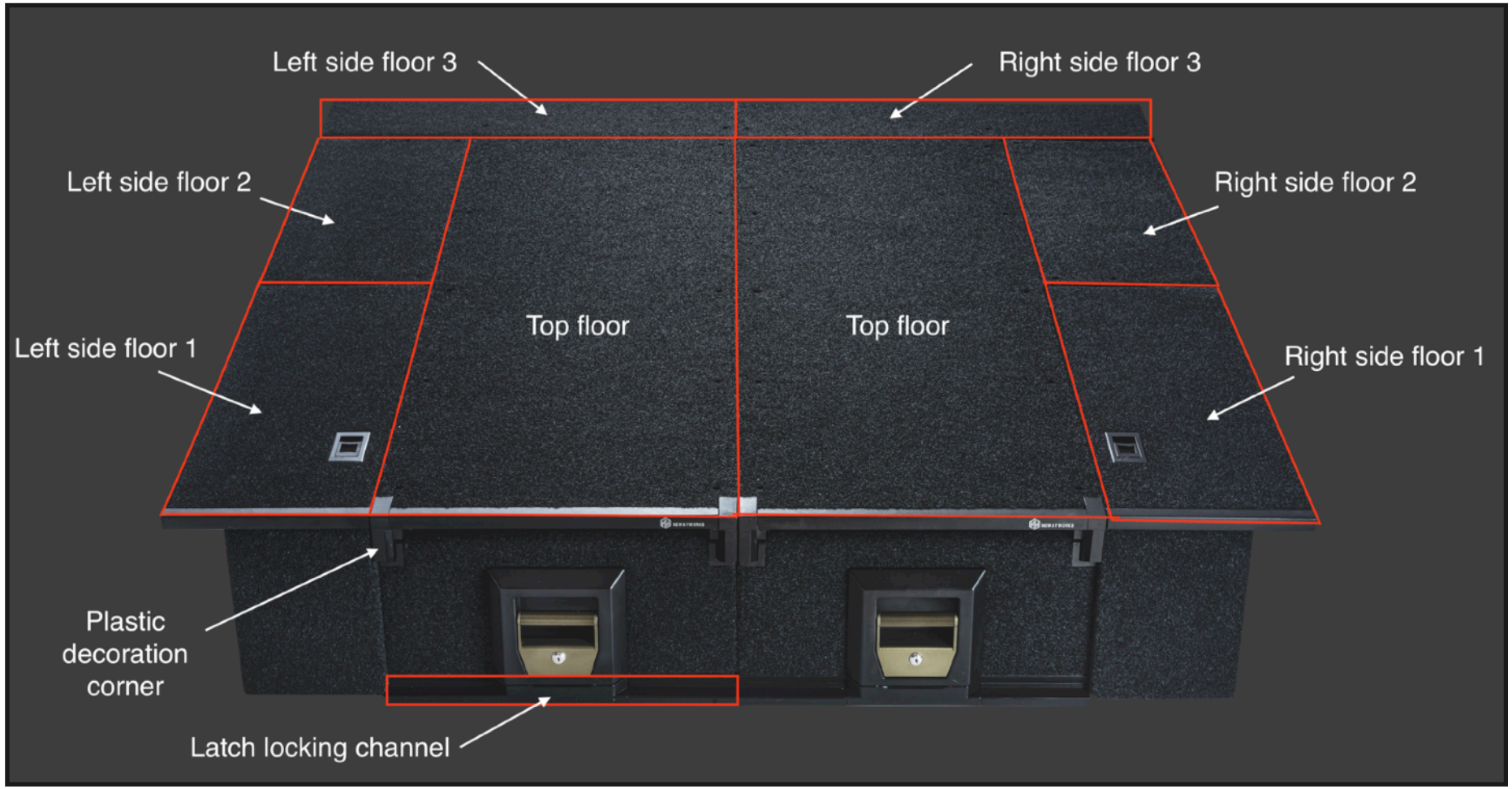
Reference picture	Name	Quantity	Detail	Parts supplied from
	M8x25 Hex flathead Bolt	3	Bolts and Nuts “Pack A”, for connecting two single drawer modules as one twin drawer module uses. Thickness of plastic spacers have been written on the plastic spacer	Side floor kit
	M8 Nut	3		Side floor kit
	M8 Spring washer	3		Side floor kit
	M8 flat washer	6		Side floor kit
	Rectangle metal spacer with 4 holes	1		Side floor kit
	M6x12 Hex flathead bolt	16		Side floor kit
	M6 washer	16		Side floor kit
	Plastic spacer 3.5 mm	6		

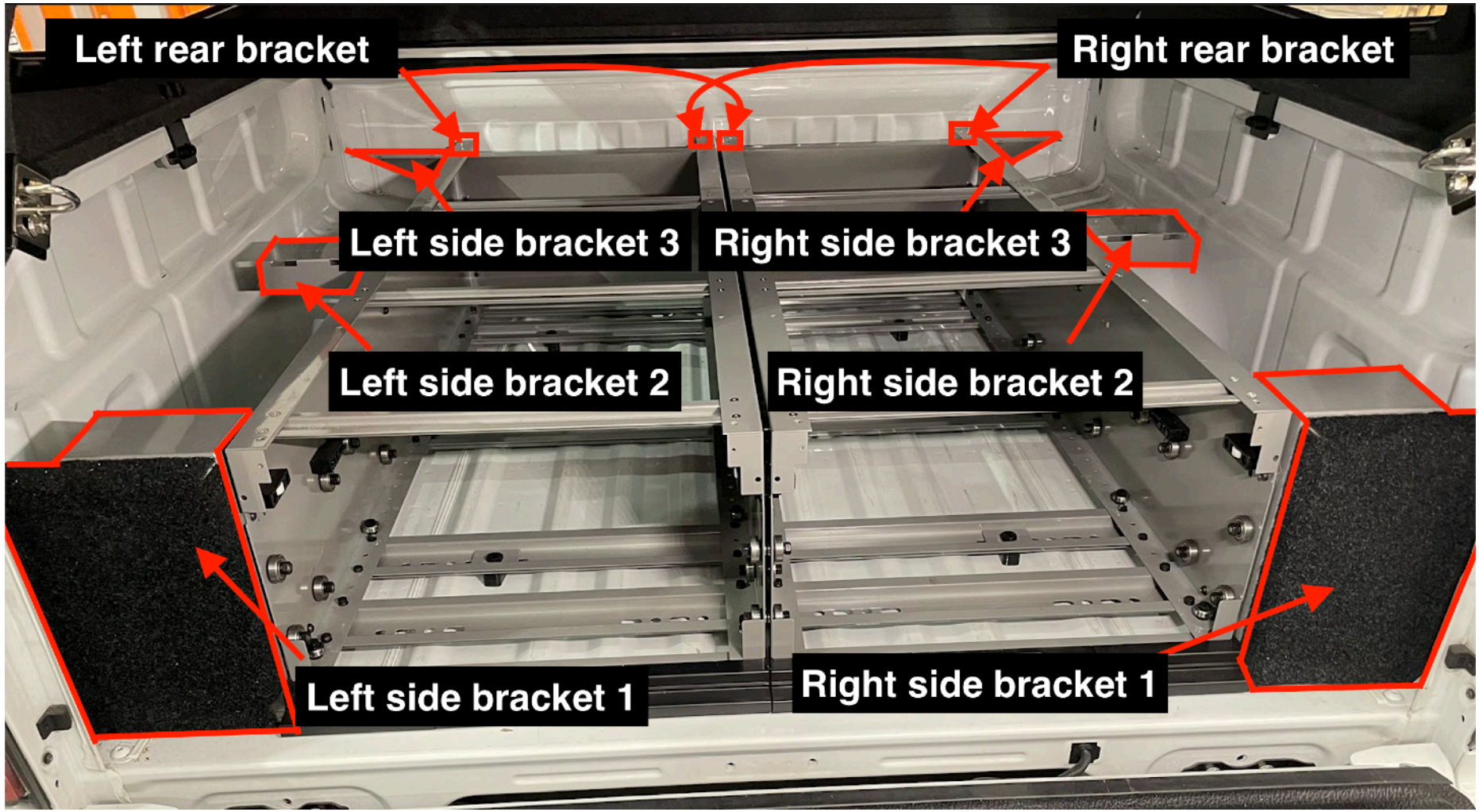
Reference picture	Name	Quantity	Detail	Parts supplied from
	M6x20 roundhead bolt	12	Bolts and Nuts “Pack B”, for all side brackets and side floors uses.	Side floor kit
	M6x16 Roundhead bolt	16		Side floor kit
	M6 spring washers	16		Side floor kit
	M6 washers	16		Side floor kit
	M12x70 Bolt	4	Bolts and Nuts "Pack C” , for mounting twin draw module on the tub uses. Thickness of plastic spacers have been written on the plastic spacer	Side floor kit
	M12 Nylon nut	4		Side floor kit
	M12 Rectangle metal flat washer	4		Side floor kit
	M12 Rectangle metal flat washer with sponge	4		Side floor kit

Reference picture	Name	Quantity	Detail	Parts supplied from
	Plastic spacer 4 mm	8		Side floor kit
	Plastic spacer 5 mm	8		Side floor kit
	Plastic spacer 6 mm	8		Side floor kit

Position definition

It is a reference to identify the position of component for later installation use.




Left rear bracket
Right rear bracket
Left side bracket 3
Right side bracket 3
Left side bracket 2
Right side bracket 2
Left side bracket 1
Right side bracket 1

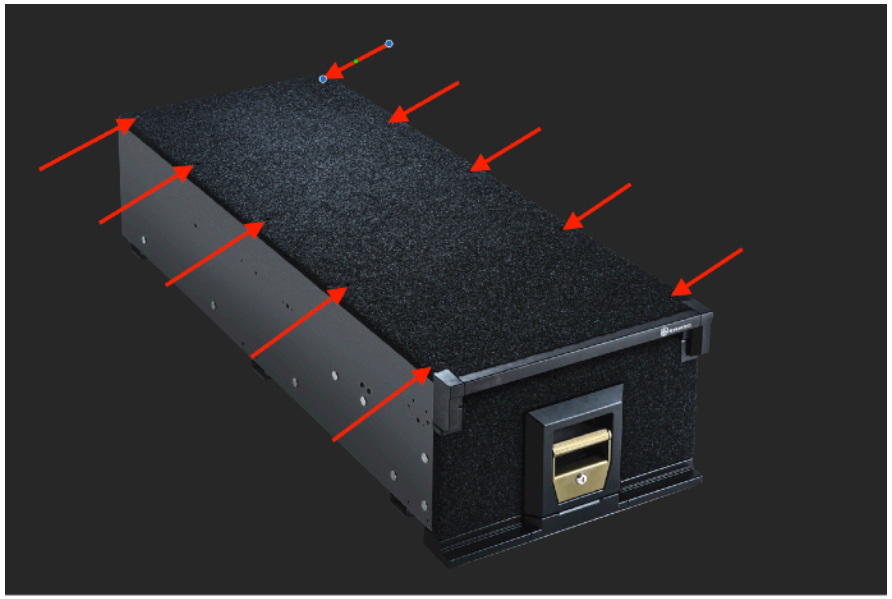
Drawer disassembly

Fix floor disassembly

1. If there is a fixed floor drawer present, by using 2.5 mm metric hex Allen key undo 2 “M4 x 35 countersunk bolts” which hidden underneath the front left and font right plastic decoration corners.
2. Pull the plastic decoration corners out of the top floor. Keep them inside of the drawer for reassembly use later.

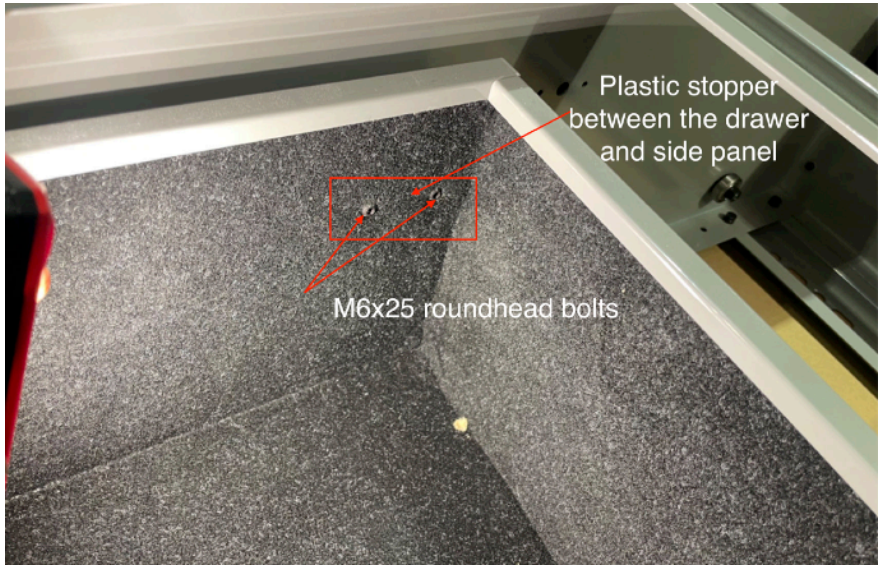


3. By using 4 mm metric hex Allen key undo all 10 “M6x20 roundhead bolts” and lift the top floor off. Keep them inside of the drawer for reassembly use later.



Drawer disassembly

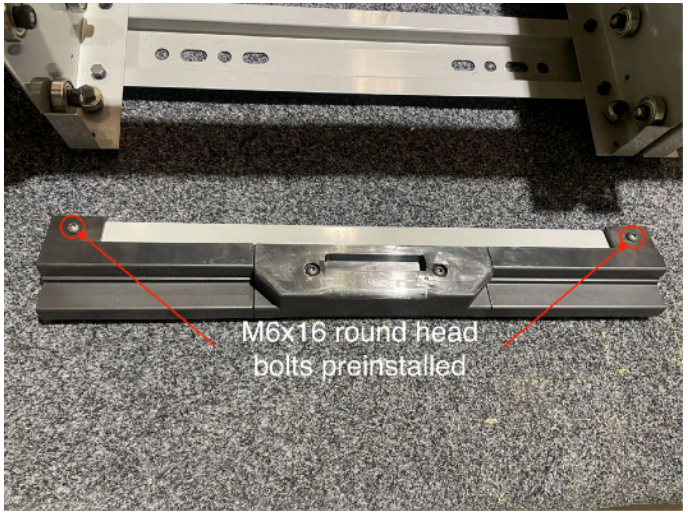
1. Once the top floor has been removed, you will then be able to see the plastic stoppers at rear of the drawer. Undoing the 2 "M6x25 roundhead bolts" on the plastic stopper at end of the drawer(inside of the drawer), do it same way in other side as well.
2. Grab 2 plastic stoppers from behind. And then keep the 4 roundhead bolts and 2 plastic stoppers inside of the drawer for reassembly use later.
3. Pull the drawer out of the frame, and place it in somewhere safe.



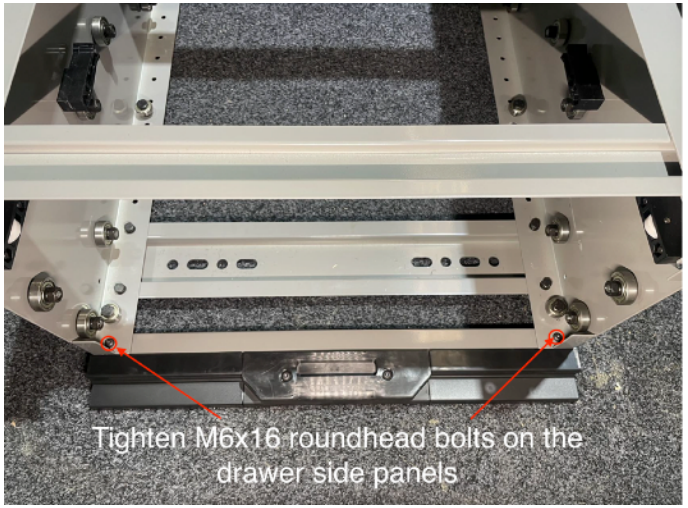
Frame preparation

Latch locking channel attachment.

1. Undoing 2 roundhead bolts that already preinstalled on the latch locking.

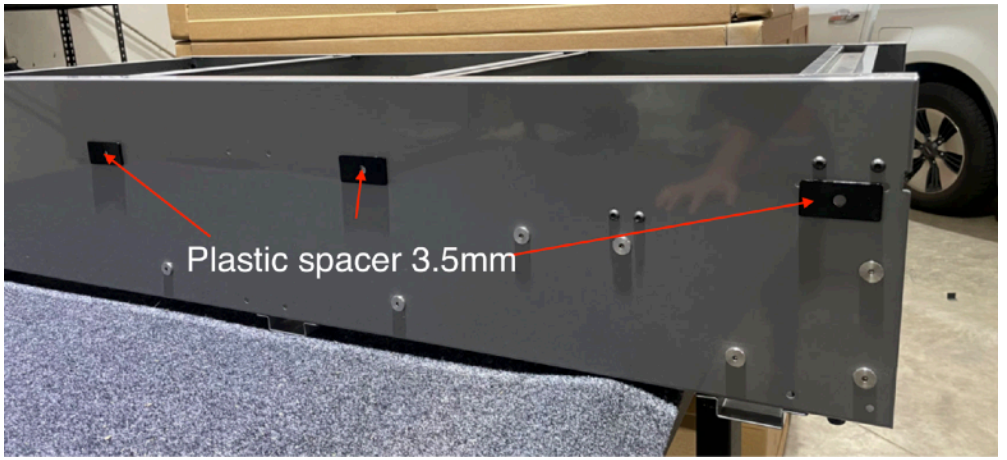


2. Fasten and tighten latch locking channel back on to the drawer frame as shown.

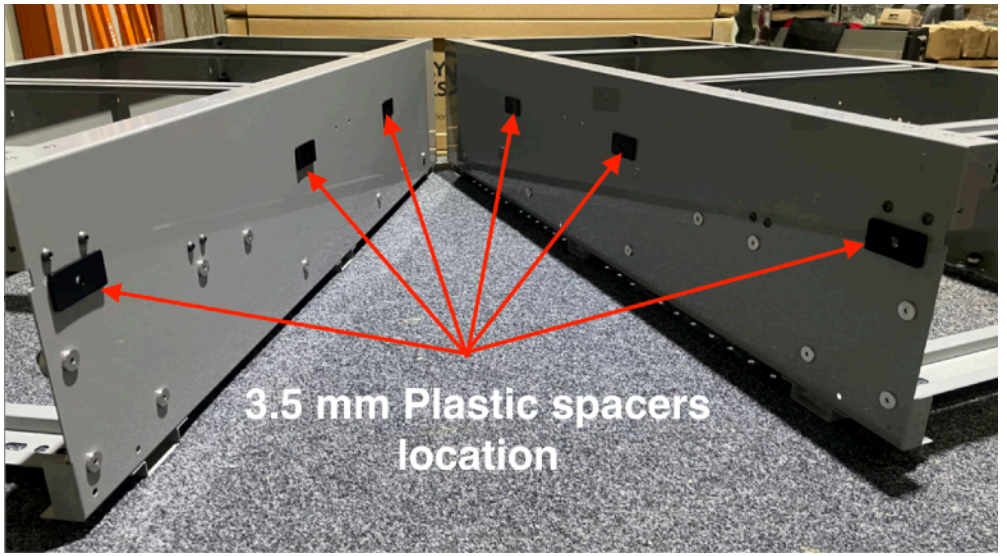


Reconstruct 2 single drawer frames into one twin drawer frame module.

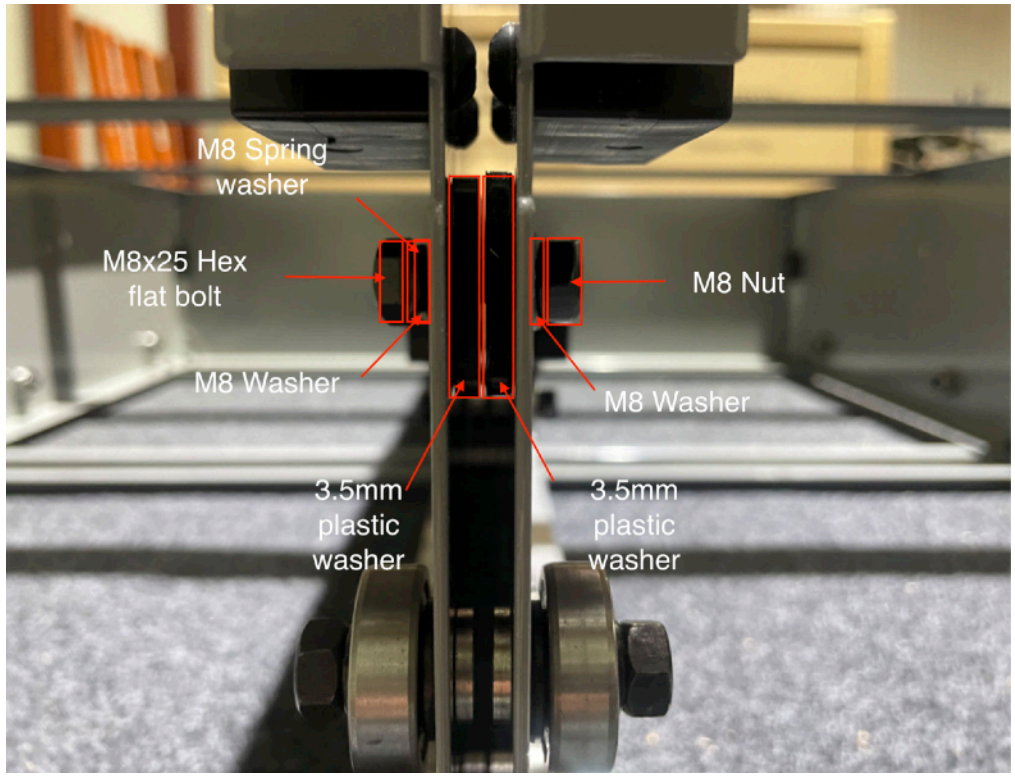
1. Attaching the 3 "3.5 mm plastic spacers" on each side of the drawer side panel. (Bolts and Nuts "Pack A" supplied)



2. Place the two drawer frames next to each other.



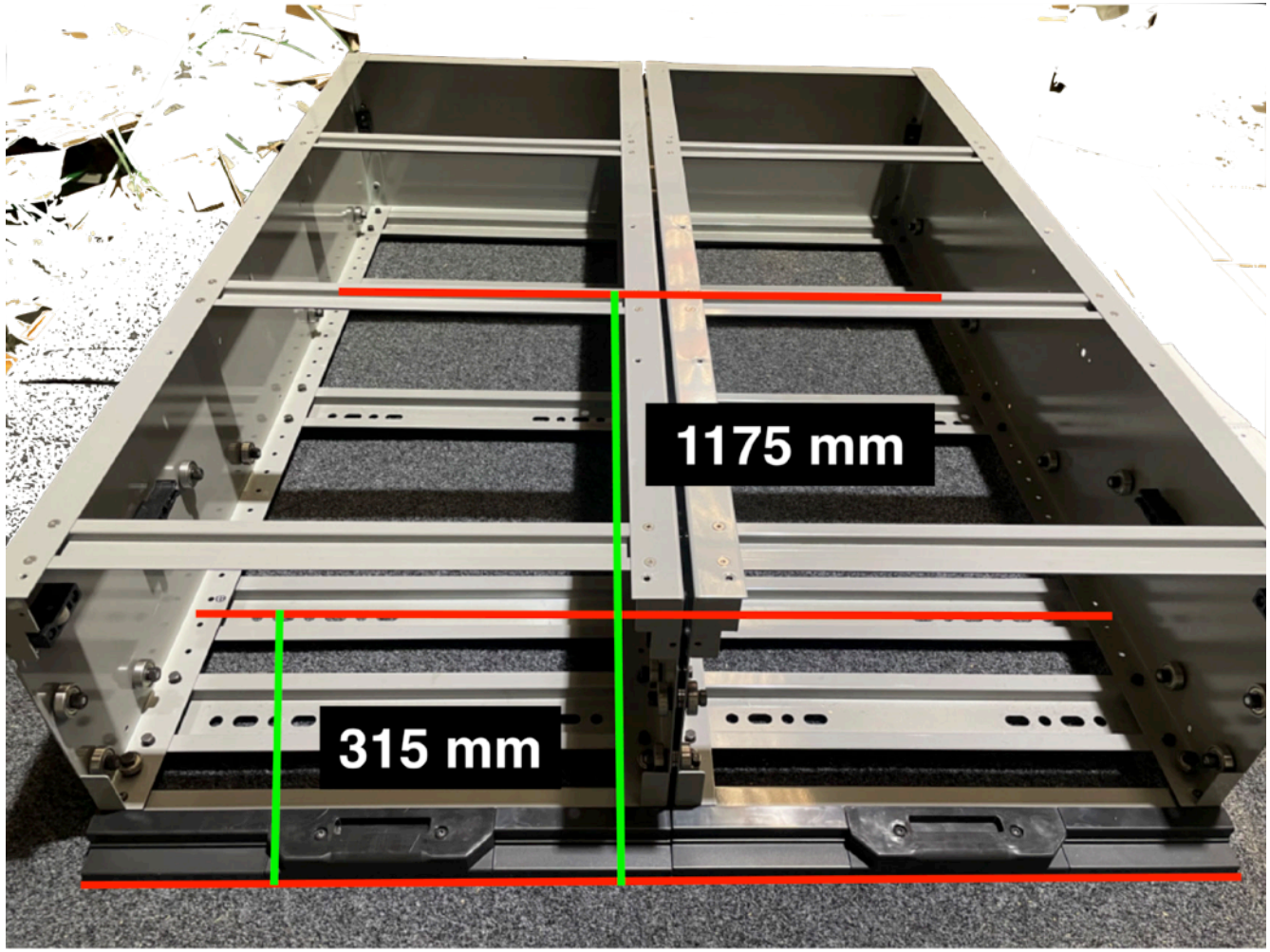
3. By using 3 “M8x25 Hex Flat Bolts”, 3 “M8 Nuts”, 6 “M8 spring washers” and 6 “M8 flat washers” to cross two drawers side panels and spacers. Hand tight the Bolts and nuts (Please follow the instruction and apply hand tools later) (Bolts and Nuts “Pack A” supplied)



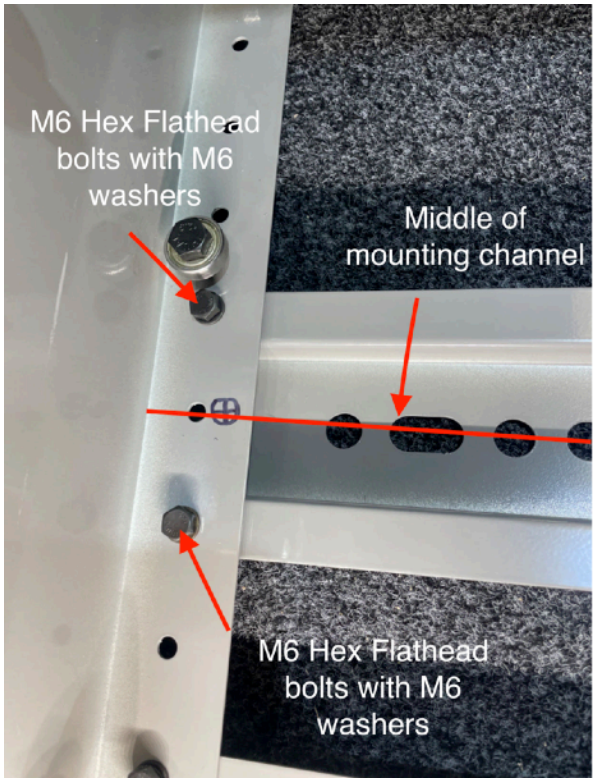
4. For mounting channel location, please follow the picture shown below:

The front of locking latch channel to the centre of first mounting channel is 315mm.

The front of locking latch channel to the centre of second mounting channel is 1175mm.

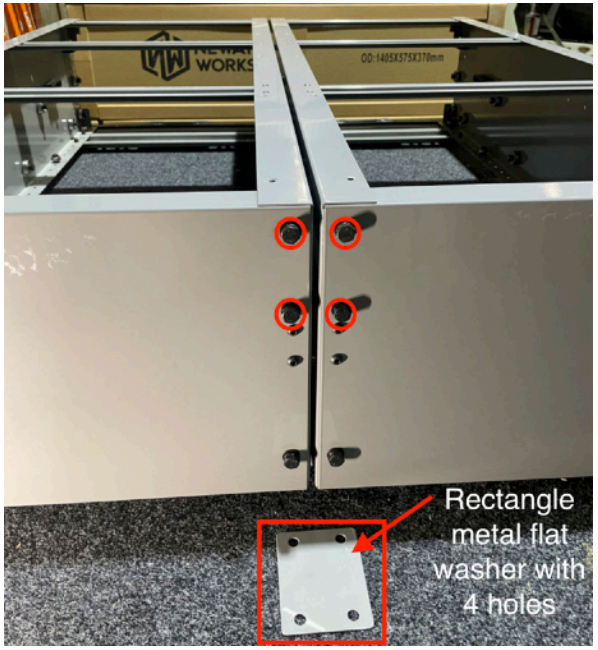


5. By using 16 “M6x12 hex flat head bolts” and “M6 flat washers” tighten the mounting channel on the drawers by using tools. (Bolts and Nuts “Pack A” supplied)

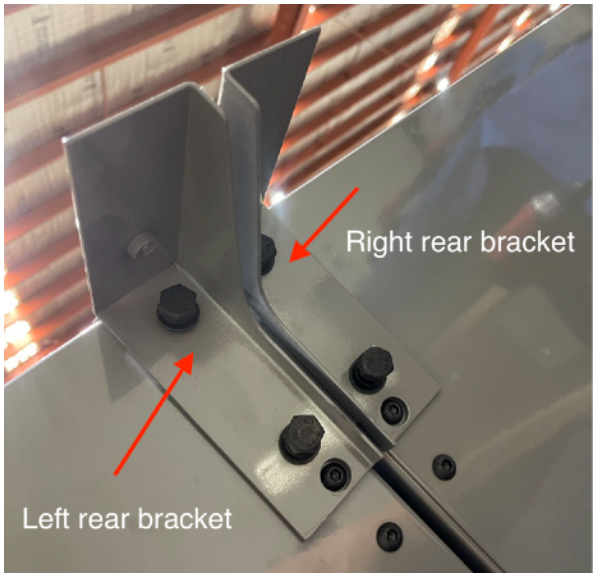


6. Tighten the 3 bolts and nuts which across the side panels and 3.5 mm plastic spacers by using tools.

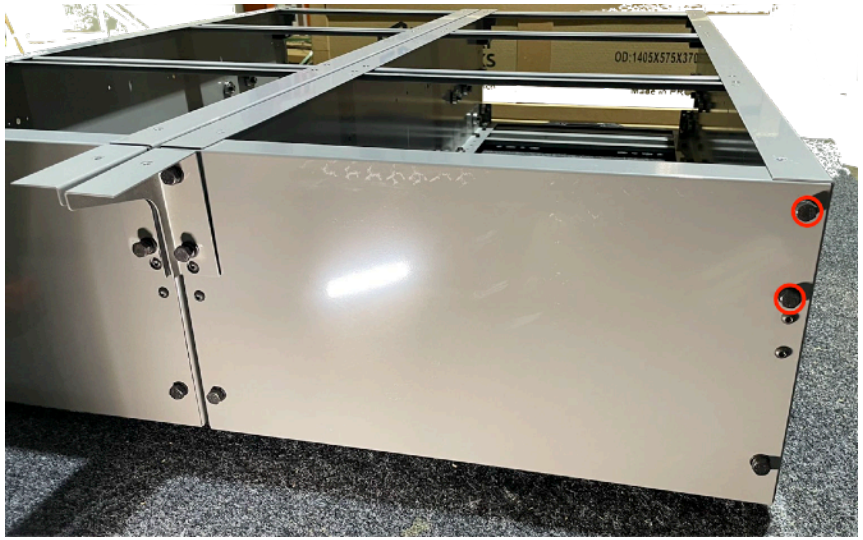
7. At the middle rear of the drawer, undoing 4 bolts that's already on the drawer frame by using 13mm metric socket.



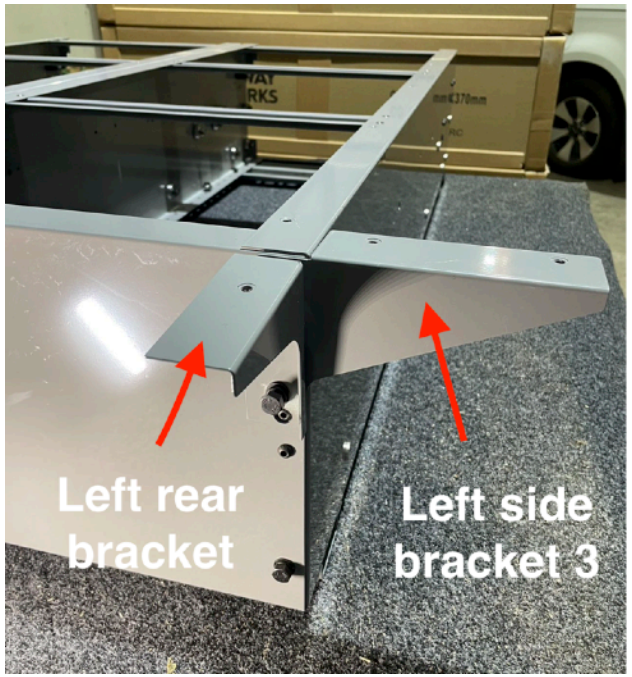
8. By using 1 "left rear bracket" and 1 "right rear bracket", place the "rectangle metal flat washer" in between, and tighten the 4 bolts back on the twin drawer module.



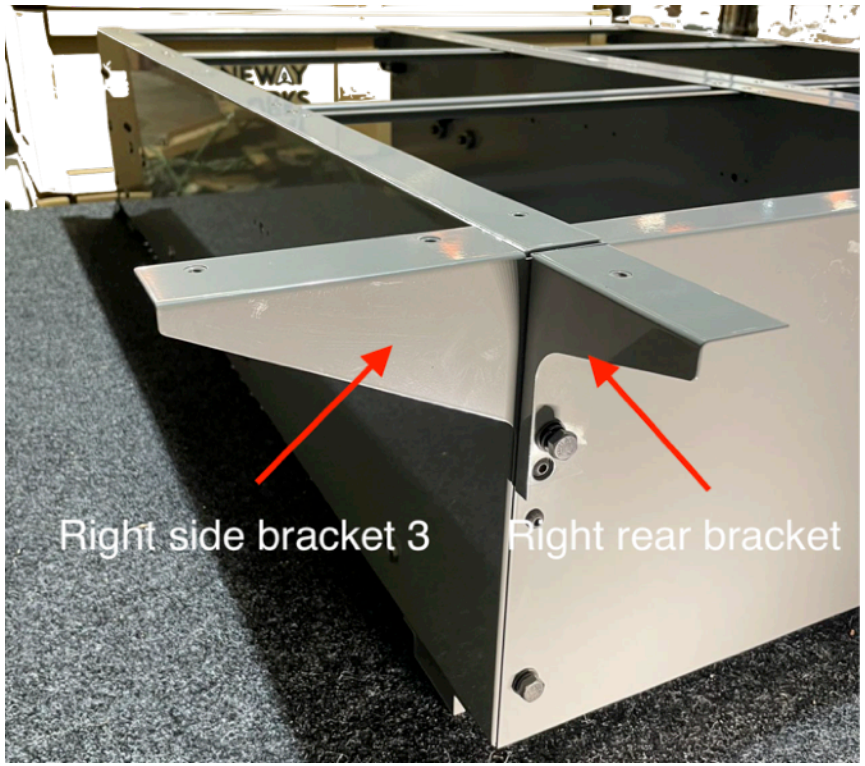
9. At the left rear of the drawer, undoing 2 bolts that's already on the drawer frame.



10. By using 1 "left rear bracket" and 1 "left side bracket 3", put the 2 bolts back on the twin drawer frame.

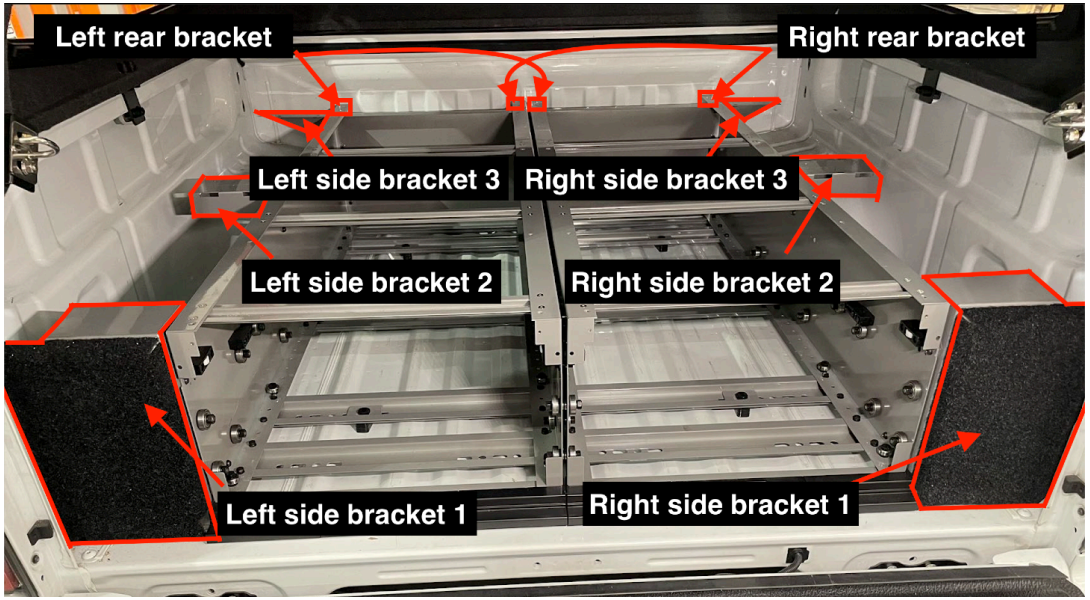


11. At the right rear of the twin drawer module, undoing 2 bolts that's already on the drawer frame by using 13 mm metric socket.
12. By using 1 "right rear bracket" and 1 "right side bracket 3", put the 2 bolts back on the twin drawer frame.

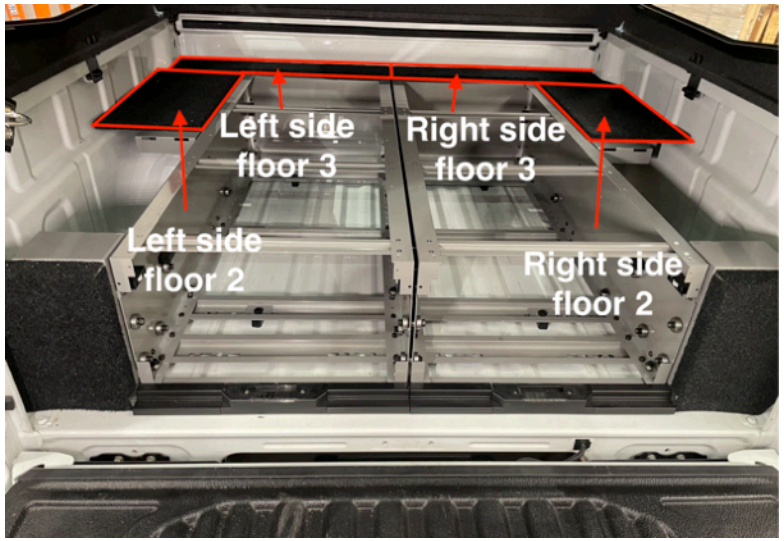


Frame mounting on the tub

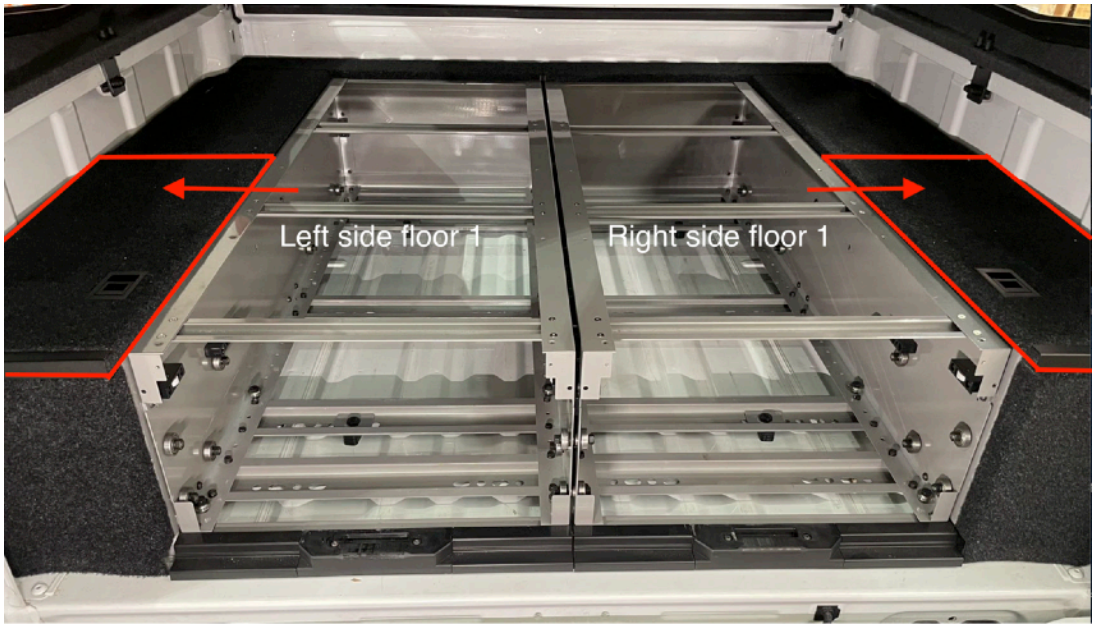
1. Place the twin drawer frame module on the tub.
2. By using 8 M6x20 roundhead bolts, 8 spring washers and 8 washers, tighten the “left side bracket 1” and “left side bracket 2” on the left side panel. (Bolts and Nuts “Pack B” supplied)
3. By using 8 roundhead bolts, 8 spring washers and 8 washers, tighten the “right side bracket 1” and “right side bracket 2” on the right side panel. (Bolts and Nuts “Pack B” supplied)



4. By using 12 round head bolts, tighten the “left side floor 2” “left side floor 3” “right side floor 2” and “right side floor 3”. (Bolts and Nuts “Pack B” supplied)

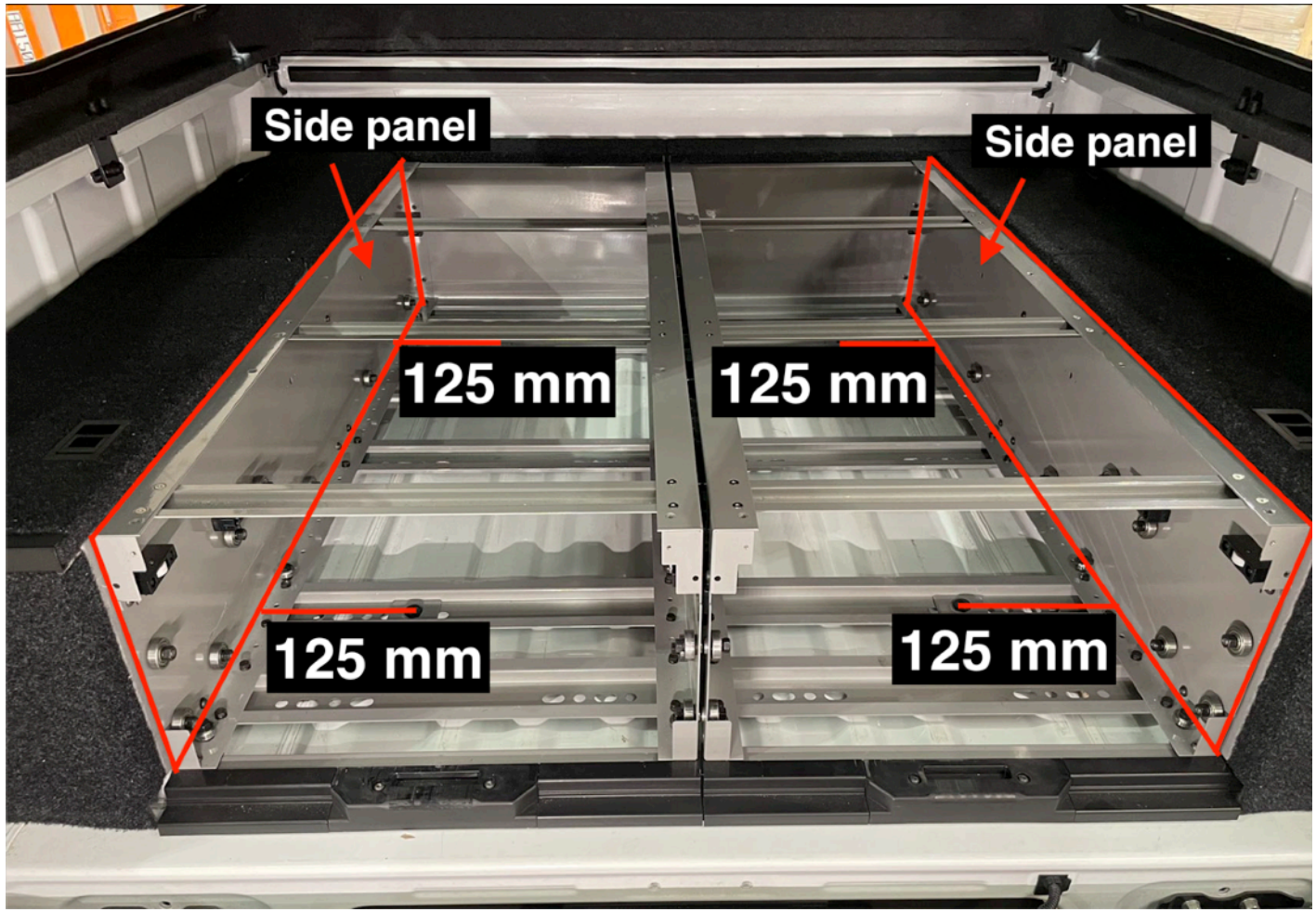


5. Insert the “ left side floor 1” and “right side floor 1” in the left and right side bracket, and make sure it perfectly sits on the brackets.



6. Check the drawer is perfectly set in the centre of the tub, and the drilling point on the mounting channel as shown picture:

The drilling point is 125mm from side panel toward middle of the drawer on the mounting channel. **(Important: the drilling point is on the first and second mounting channel only. Please double check the "page 17" to figure out which is the first and second mounting channel.)**



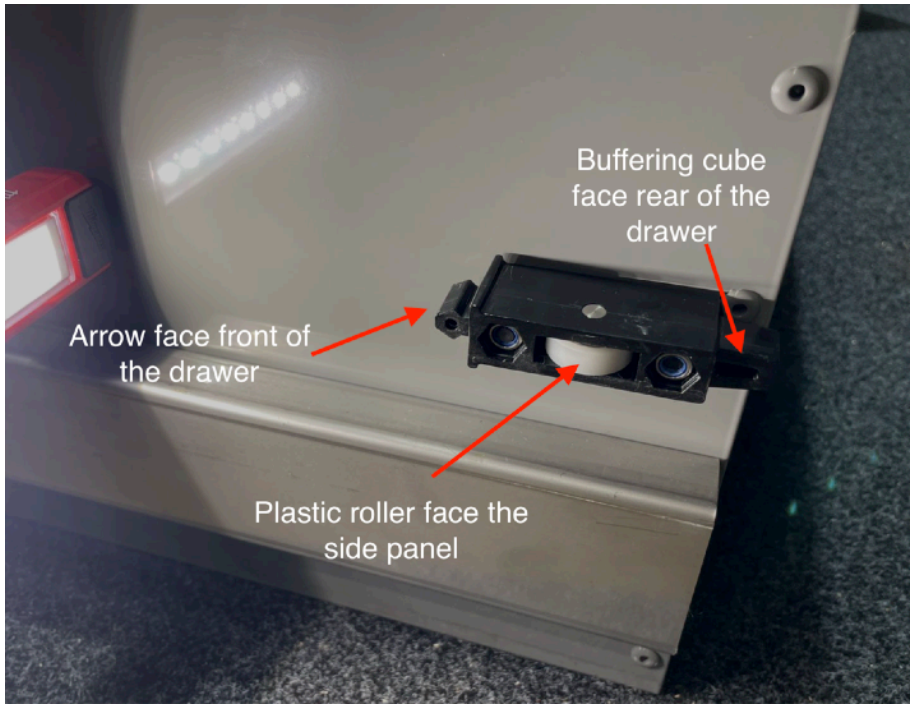
7. Marking these 4 drilling locations, By using 2 mm drilling bites, drill 4 holes on the tub. Important notes: Double check the " left side floor 1" and " right side floor 1" is able to open and close Before you drilling, because now the drawer module is slightly moveable. You can try to push the drawer module toward engine bay directions - " front of the UTE" to give little bit space for you to easily open and close the " Left side floor 1" and " Right side floor 1".
8. Double check underneath the chassis, there is no wiring loop or other car original part in the way.
9. Back to the tub, by using "14mm drilling bite", drill and expand these 4 "2 mm" holes to "14mm".
10. Prepare 4 sets of 24 mm plastic spacers (4mm + 4mm + 5mm + 5mm + 6mm) by stacking them together, and cut the nipples. (Bolts and Nuts "Pack C" supplied). Please check the picture shown:



11. Place the 4 sets of 24 mm plastic spacers at 4 drilling points between mounting channel and tub(under the mounting channel). The Ford Next Gen Tub might vary by different version. Please put the drawer back into the frame to try if the drawer hits the tailgate. If it dose hit the tailgate. Please make these 4 sets of plastic spacers as 30 mm (4mm + 4mm + 5mm + 5mm + 6mm + 6mm).
12. By using 4 "M12 x 70mm bolts", crossing "rectangle metal washer", "mounting channel", "30mm plastic spacers" and tub.
13. Underneath the chassis, applied 4 "M12 Rectangle metal flat washer with sponge" and 4 "M12 Nuts" on the thread. Tighten these 4 "M12 x 70mm bolts" with one person underneath the chassis by using 19 mm metric spanner held the "M12 Nuts", another person uses 19mm socket electric tool to tight the "M12 x 70mm bolts". Make sure the these 4 points are tighten enough. The sponge will be shrink to 2-3 mm or less. And the person underneath the chassis can try to hand tight it, just to double check if it's tight enough.

Drawer and top floor installation

1. Insert the drawer back into the frame First.
2. After the drawer has been put back into the frame, place the plastic stopper between the drawer and side panel. The plastic roller on the stopper need to face the panel side, the arrow need to face the front of the drawer and the buffer cube need to face the rear of the drawer. (please check the picture). Aligned plastic stopper and tighten the plastic stopper from inside of drawer through the 2 holes by using original 2 “25mm roundhead bolts”. Do it same way as another side.



3. Put the top floor on the drawer, aligned the holes. By using 4mm metric hex key hand screw in the M6x20 roundhead bolt first, then use power tool to tighten them in the end.
4. Attach the plastic decoration conners. By using 2.5mm metric hex key , tighten them back into the position.