BOSSCO / INSTALLATION INSTRUCTIONS

BC-DRAWER-HIA-01-SS-RFF

Van Drawer System for Toyota Hiace 2019 - ON

Sliding Top Side Drawer / Two Fixed Top Rear Drawers

Included instructions	PDF pages
Hiace rear-door installation manual - install first	2-21
Hiace side-door installation manual	22-41

Install the rear-door drawer system first. It provides the alignment reference for the side-door drawer installation.

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.

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Installation Manual

Side Floor Kit for Toyota Hiace 2019-Onward Rear Door

Part number: SFKHIACERD

A must read section

It is recommended that a trained professional install this product.

During installation, the installer must ensure the correct operation and clearance of all vehicle components.

Newayworks accepts no responsibility for any impact resulting from changes made by vehicle manufacturers.

Ensure the van is clean before installation.

Anti-Roll back system

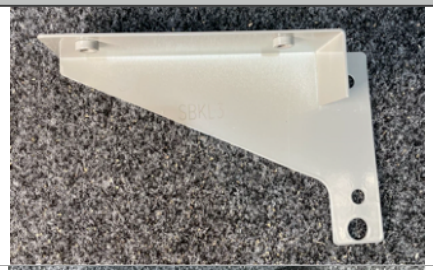
The fixed floor drawer and sliding floor drawer are equipped with an anti-roll back system, which resists static force when fully extended. To disengage the system, a forceful knock using the palm of the hand is required.

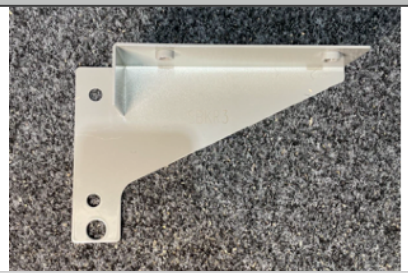
General care and maintenance:

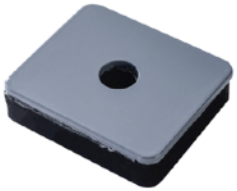
Apply a small amount of WD-40 to the drawer rails every three months. In harsher or dustier environments, perform maintenance more frequently.

Bill of material

Reference picture	Name	Quantity	Detail	Parts supplied from
	Latch locking channel	2	Remove the two preinstalled M6 roundhead bolts from each latch and install them according to the instruction when needed.	Inside of the drawer
	Left side bracket 1	1	Remove the four preinstalled M6 roundhead bolts from the bracket and install them according to the instruction when needed.	Side floor kit
	Left side bracket 2	1	Remove the six preinstalled M6 roundhead bolts from the bracket and install them according to the instruction when needed.	Side floor kit

Reference picture	Name	Quantity	Detail	Parts supplied from
	Left side bracket 3	1	Remove the two preinstalled M6 roundhead bolts from the bracket and install them according to the instruction when needed.	Side floor kit
	Right side bracket 1	1	Remove the four preinstalled M6 roundhead bolts from the bracket and install them according to the instruction when needed.	Side floor kit
	Right side bracket 2	1	Remove the six preinstalled M6 roundhead bolts from the bracket and install them according to the instruction when needed.	Side floor kit

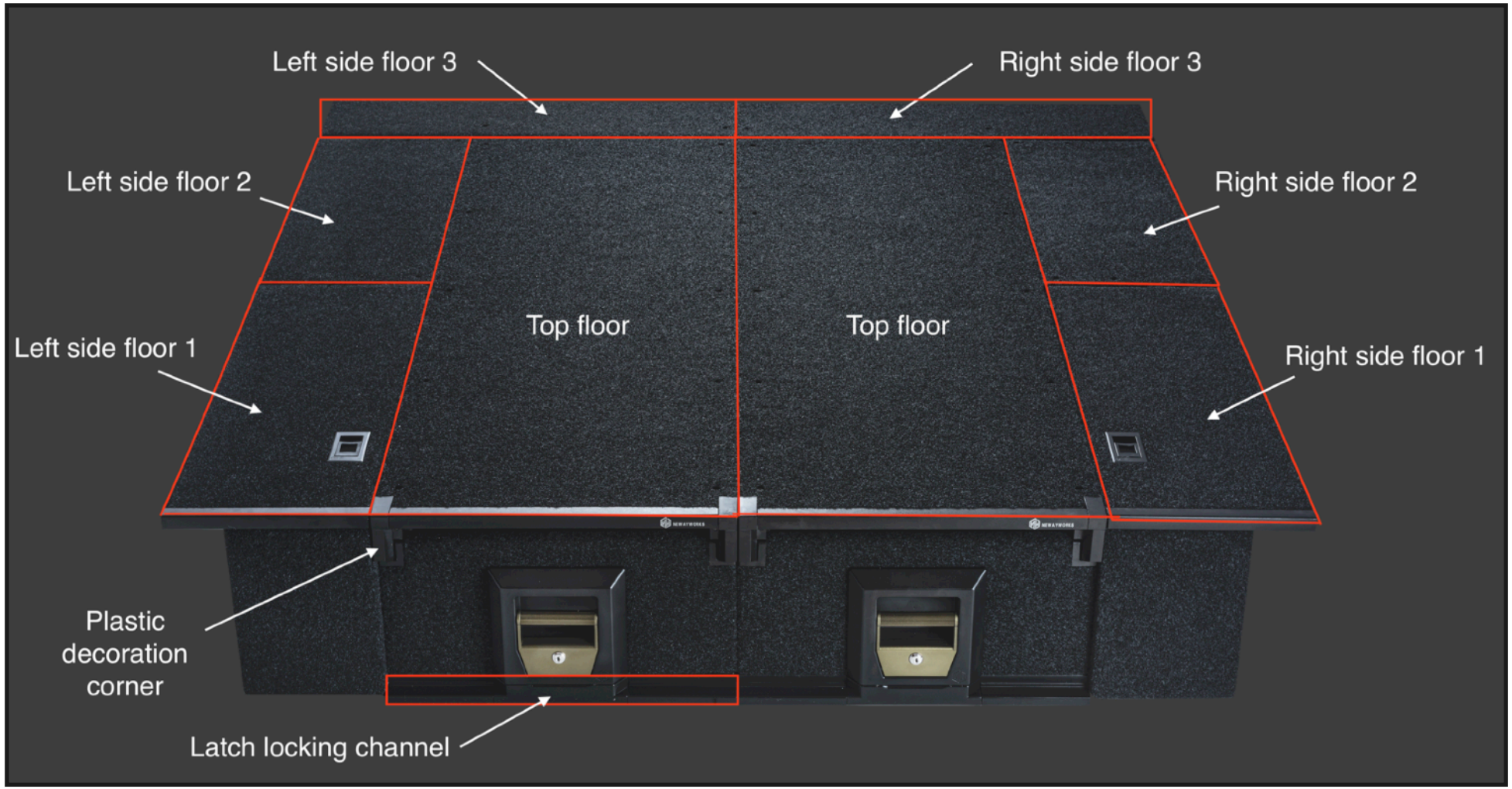
Reference picture	Name	Quantity	Detail	Parts supplied from
	Right side bracket 3	1	Remove the two preinstalled M6 roundhead bolts from the bracket and install them according to the instruction when needed.	Side floor kit
	Mounting channel	2	For reconstructing two single drawer modules into one twin drawer module. Remove the eight preinstalled M6 roundhead bolts from ea ch mounting channel and install them according to the instruction when needed.	Side floor kit
	M8x25 Hex flathead Bolt	3	“Bolts and Nuts Pack A”, for connecting two single drawer modules into one twin drawer module.	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 6 holes	1		Side floor kit

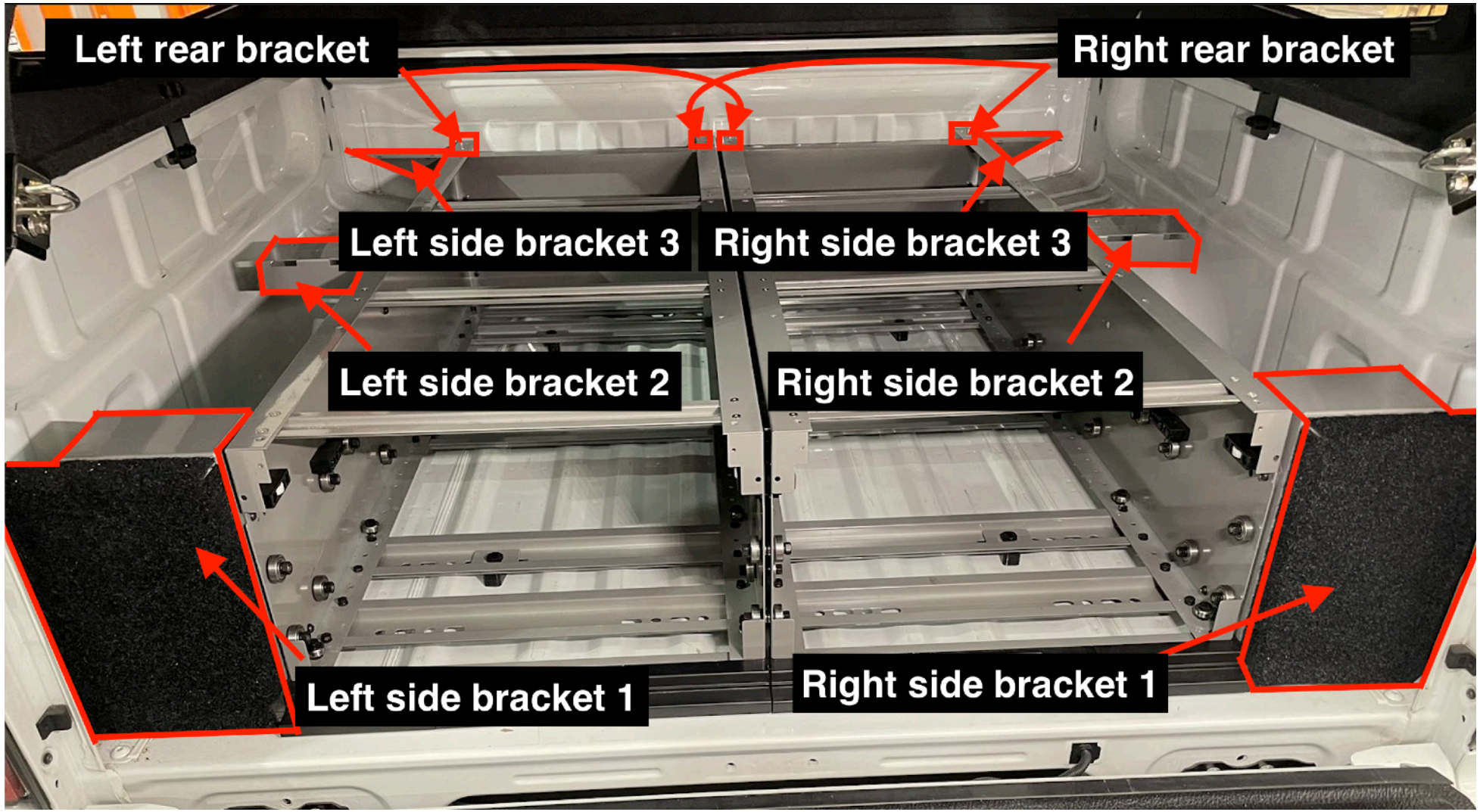
Reference picture	Name	Quantity	Detail	Parts supplied from
	Plastic spacer 3.5 mm	6		
	M8x70 Bolt	4	“Bolts and Nuts Pack B” , for mounting twin draw module on the tub. Thickness of plastic spacers have been written on the back of each plastic spacer. Use this “Bolts and Nuts Pack B” according to the instruction when you needed.	Side floor kit
	M12 Rectangle metal flat washer	4		Side floor kit
	M12 Rectangle metal flat washer with sponge	4		Side floor kit
	Plastic spacer 4 mm	8		Side floor kit
	Plastic spacer 5 mm	8		Side floor kit

Reference picture	Name	Quantity	Detail	Parts supplied from
	Plastic spacer 6 mm	8		Side floor kit
Please check position definition picture	Left side floor 1	1	N/A	Side floor kit
Please check position definition picture	Left side floor 2	1	N/A	Side floor kit
Please check position definition picture	Right side floor 1	1	N/A	Side floor kit
Please check position definition picture	Right side floor 2	1	N/A	Side floor kit

Position definition

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



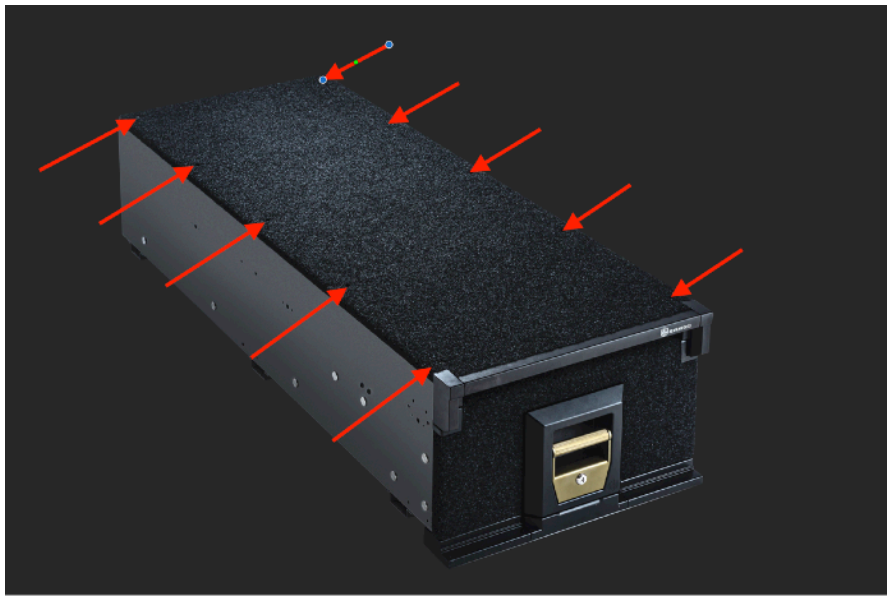

Left rear bracket
Right rear bracket
Left side bracket 3
Right side bracket 3
Left side bracket 2
Right side bracket 2
Left side bracket 1
Right side bracket 1

Drawer disassembly

1. If a fixed floor drawer is present, use a 2.5 mm metric hex Allen key to remove the two M4 x 35 countersunk bolts hidden beneath the front left and right plastic decoration corners.
2. Remove the plastic decoration corners from the top floor. Keep them inside the drawer for reassembly.

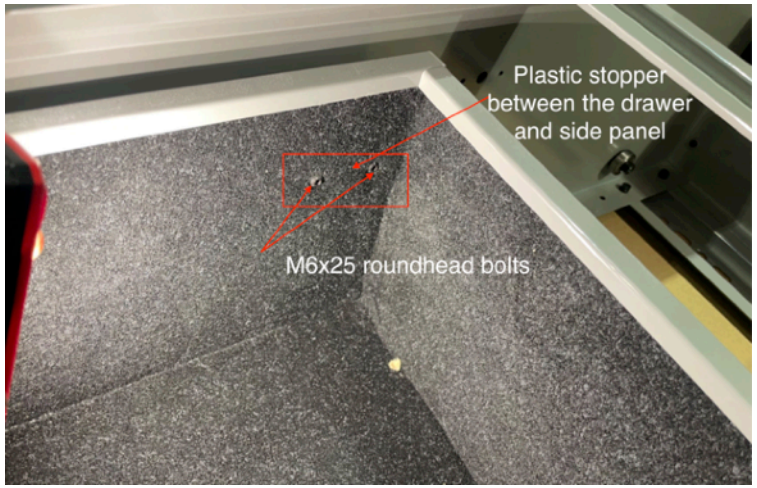


3. Use a 4 mm metric hex Allen key to remove all ten M6x20 roundhead bolts and lift the top floor off. Keep them inside the drawer for reassembly.



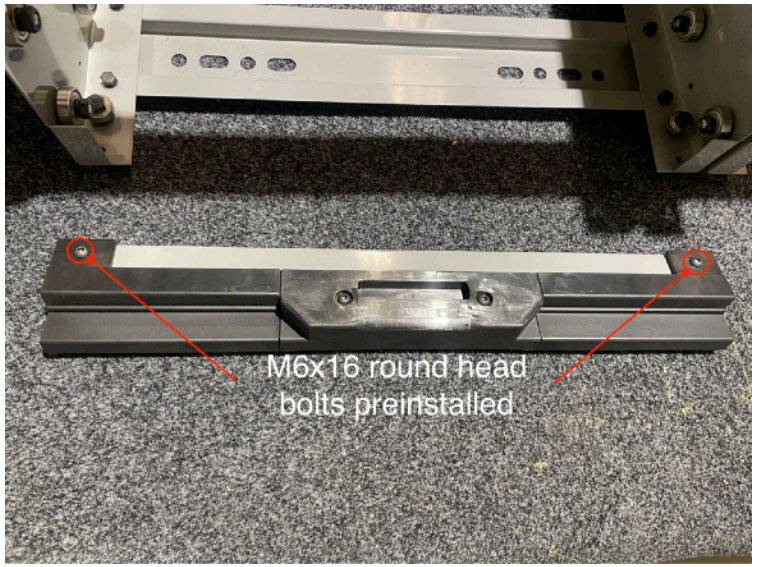
Drawer disassembly

1. Once the top floor has been removed, you will then be able to see the plastic stoppers at rear of the drawer. Remove 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. 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.

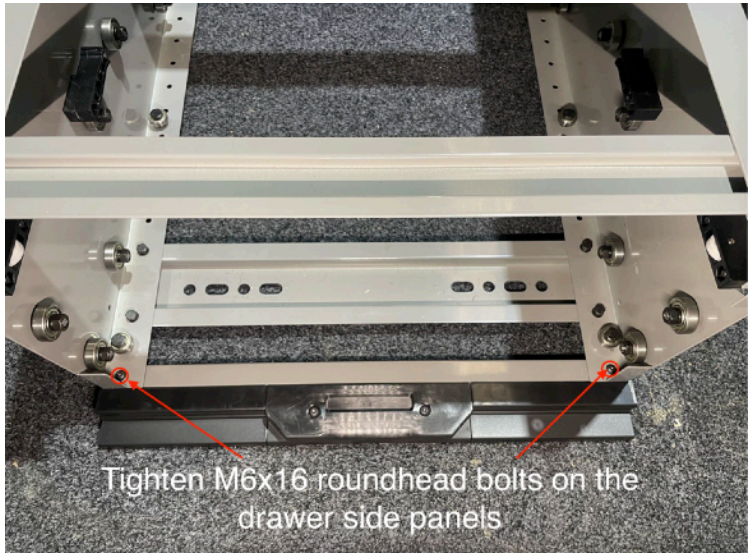


Frame preparation

1. Remove the two roundhead bolts that are preinstalled on the latch locking channel.

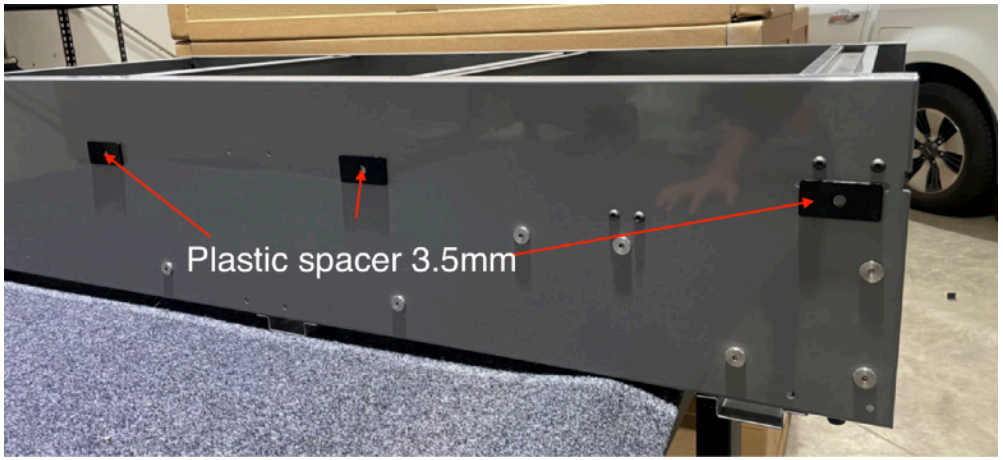


2. Fasten and tighten the latch locking channel back onto the drawer frame as shown.

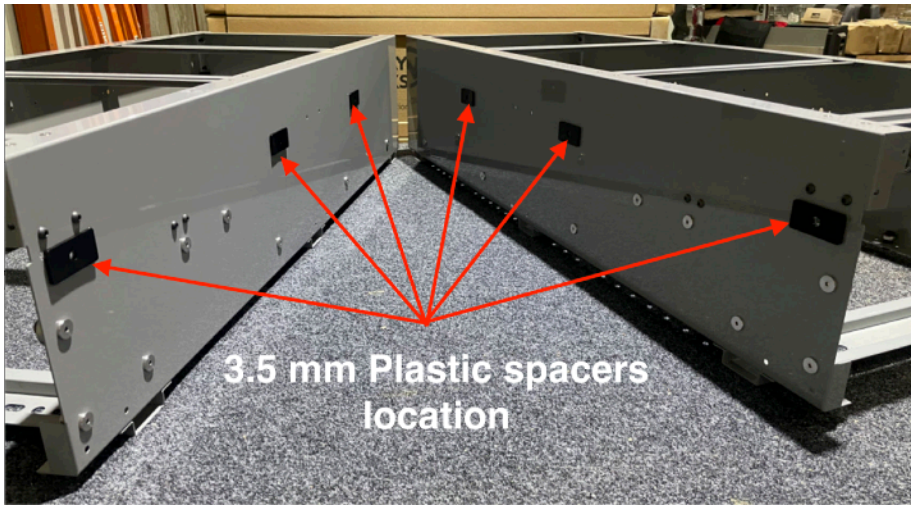


Reconstruct 2 single drawer frames into one twin drawer frame module.

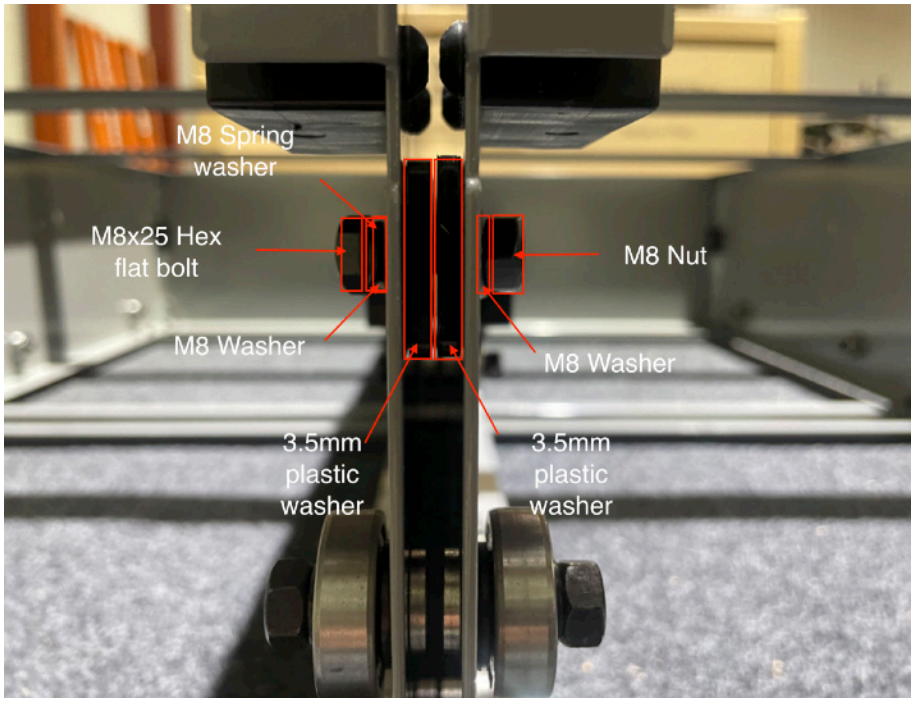
1. Attach the three 3.5 mm plastic spacers on each side of the drawer side panel using bolts and nuts from "Bolts and Nuts Pack A".



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



3. Use three M8x25 hex flat bolts, three M8 nuts, six M8 spring washers, and six M8 flat washers to secure the two drawer side panels and spacers. Hand-tighten the bolts and nuts initially, then use tools to fully tighten them later in “step 6”. (Bolts and Nuts Pack A Supplied)



Install the Mounting Channels

Install the mounting channels onto the cargo area floor using the supplied M8 bolts from the hardware pack.

There are two mounting channels supplied.

The mounting channel closest to the rear doors requires 32 mm plastic spacers underneath each mounting point on both sides.

The mounting channel closest to the side door requires 38 mm plastic spacers underneath each mounting point.



Prepare four sets of plastic spacers by stacking them together and cutting the nipples (Bolts and Nuts Pack B supplied). Please check the picture shown:



Please note: For the Toyota HiAce 2019-onward, we supply specially designed mounting channels that utilise the factory anchor points in the cargo area.

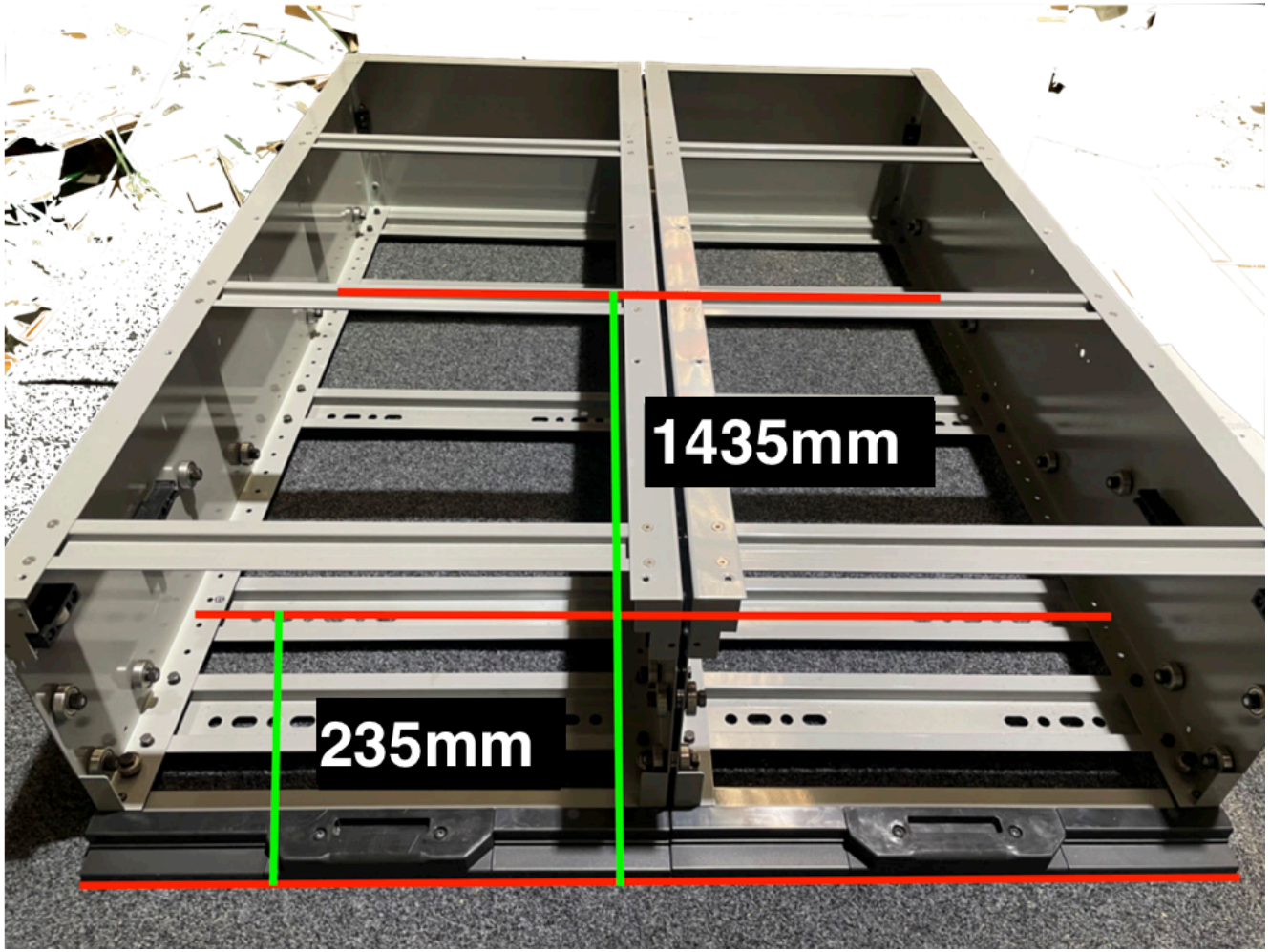
The mounting channel located close to the side door has a specific installation direction. Please refer to the right side image for the correct orientation.



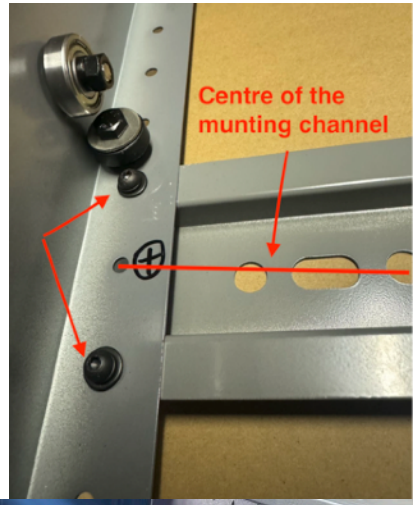
4. For mounting channel location, please follow the picture shown below:

The front of locking latch channel to the centre of first mounting channel is 235mm.

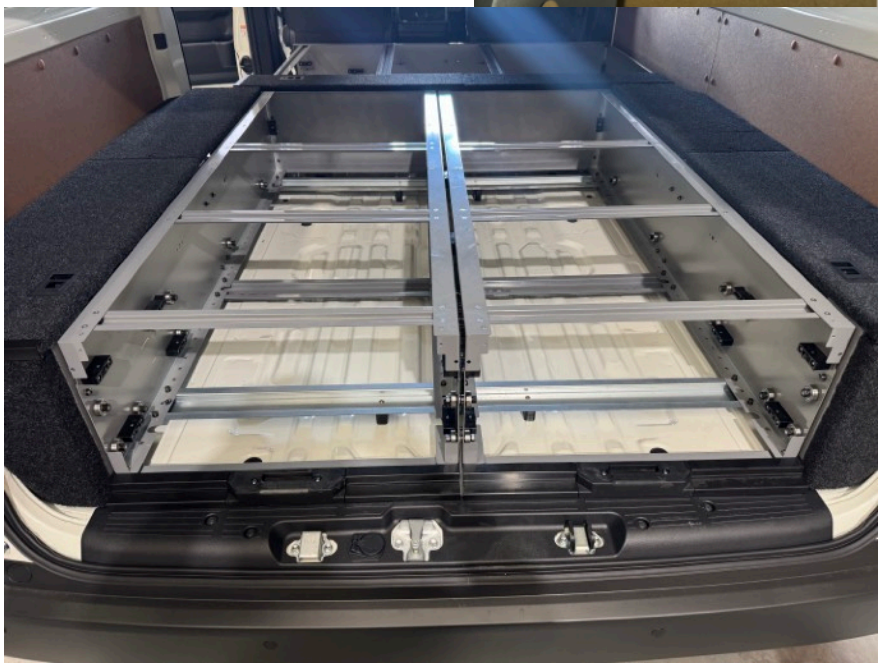
The front of locking latch channel to the centre of second mounting channel is 1435mm



5. Remove the eight preinstalled eight preinstalled “M6x12 hex flat head bolts, nuts and washers” from each mounting channel, and then tighten the mounting channel to the drawer frame according to the picture.



6. Install all the brackets and side floors shown on the picture.



Close to the Rear Door Mounting Channel

Assemble two sets of 28 mm plastic spacers and position them underneath the mounting channel closest to the rear doors.

Measure 450 mm from the centre line to each mounting point and align the spacers accordingly.

Refer to the image below for the correct positioning.

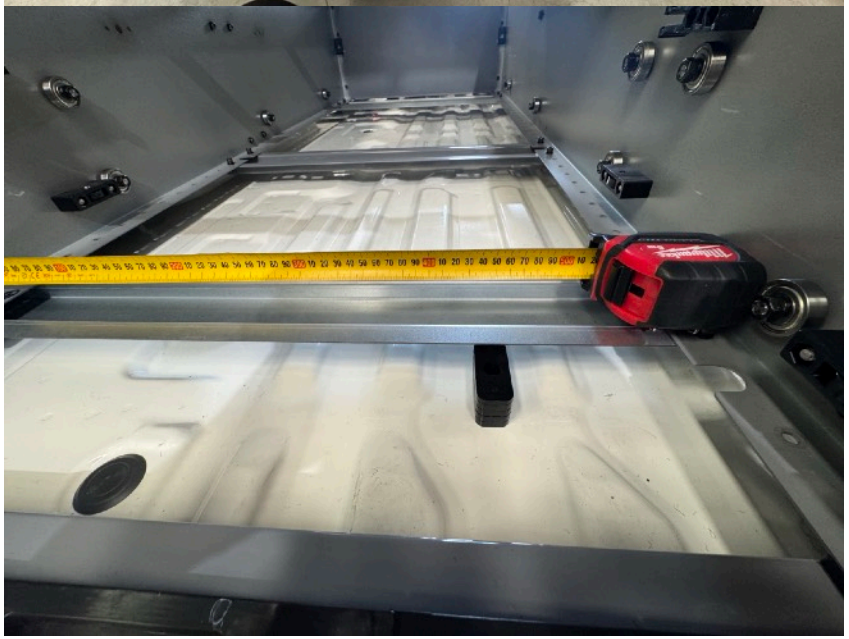


Close to the Side Door Mounting Channel

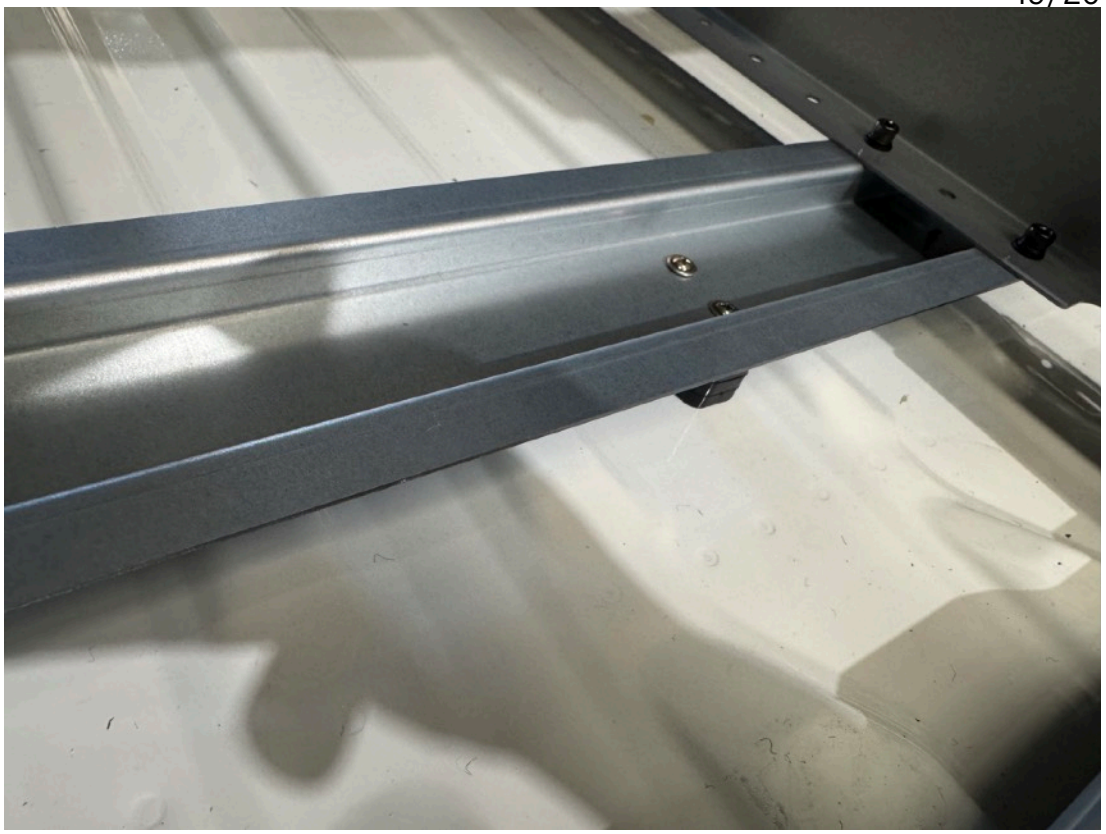
Assemble two sets of 42 mm plastic spacers and position them underneath the mounting channel closest to the side door.

Measure 450 mm from the centre line to each mounting point and align the spacers accordingly.

Refer to the image below for the correct positioning.

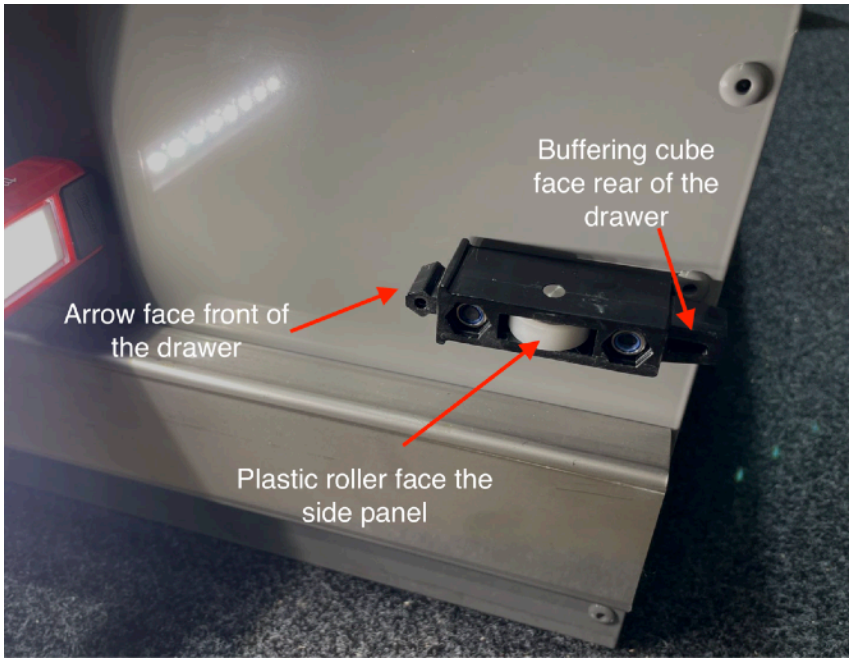


finally, secret them with self drill screws.



Drawer and top floor installation

1. Insert the drawer back into the frame First.
2. Place the plastic stopper between the drawer and side panel. The plastic roller on the stopper should face the panel side, the arrow should face the front of the drawer, and the buffer cube should face the rear of the drawer. Align the plastic stopper and tighten it from inside the drawer using the original two 25mm roundhead bolts. Repeat for the other side.



3. Place the top floor on the drawer, align the holes, and use a 4mm metric hex key to hand screw in the M6x20 roundhead bolts first, then use a power tool to tighten them.
4. Attach the plastic decoration corners using a 2.5mm metric hex key and tighten them back into position. Ensure all components are securely fastened and the drawer operates smoothly.

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Installation Manual

Side Floor Kit for Toyota Hiace Side Door 2019-Onward

Part number: SFKHIACESD

A must read section

It is recommended that a trained professional install this product.

During installation, the installer must ensure the correct operation and clearance of all vehicle components.

Newayworks accepts no responsibility for any impact resulting from 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, and then start the installation.

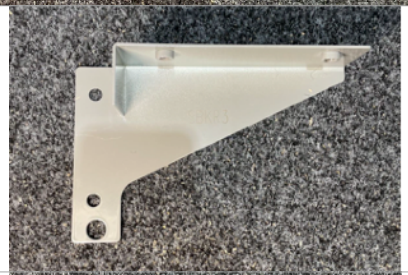
Ensure the tub is clean before installation.

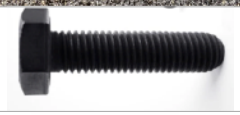
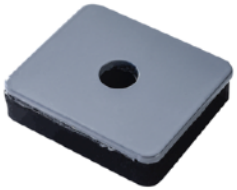
Anti-Roll back system
The fixed floor drawer and sliding floor drawer are equipped with an anti-roll back system, which resists static force when fully extended. To disengage the system, a forceful knock using the palm of the hand is required.

General care and maintenance:
Apply a small amount of WD-40 to the drawer rails every three months. In harsher or dustier environments, perform maintenance more frequently.

Bill of material

Reference picture	Name	Quantity	Detail	Parts supplied from
	Latch locking channel	2	Remove the two preinstalled M6 roundhead bolts from each latch and install them according to the instruction when needed.	Inside of the drawer
	Right side bracket 1	1	Remove the four preinstalled M6 roundhead bolts from the bracket and install them according to the instruction when needed.	Side floor kit

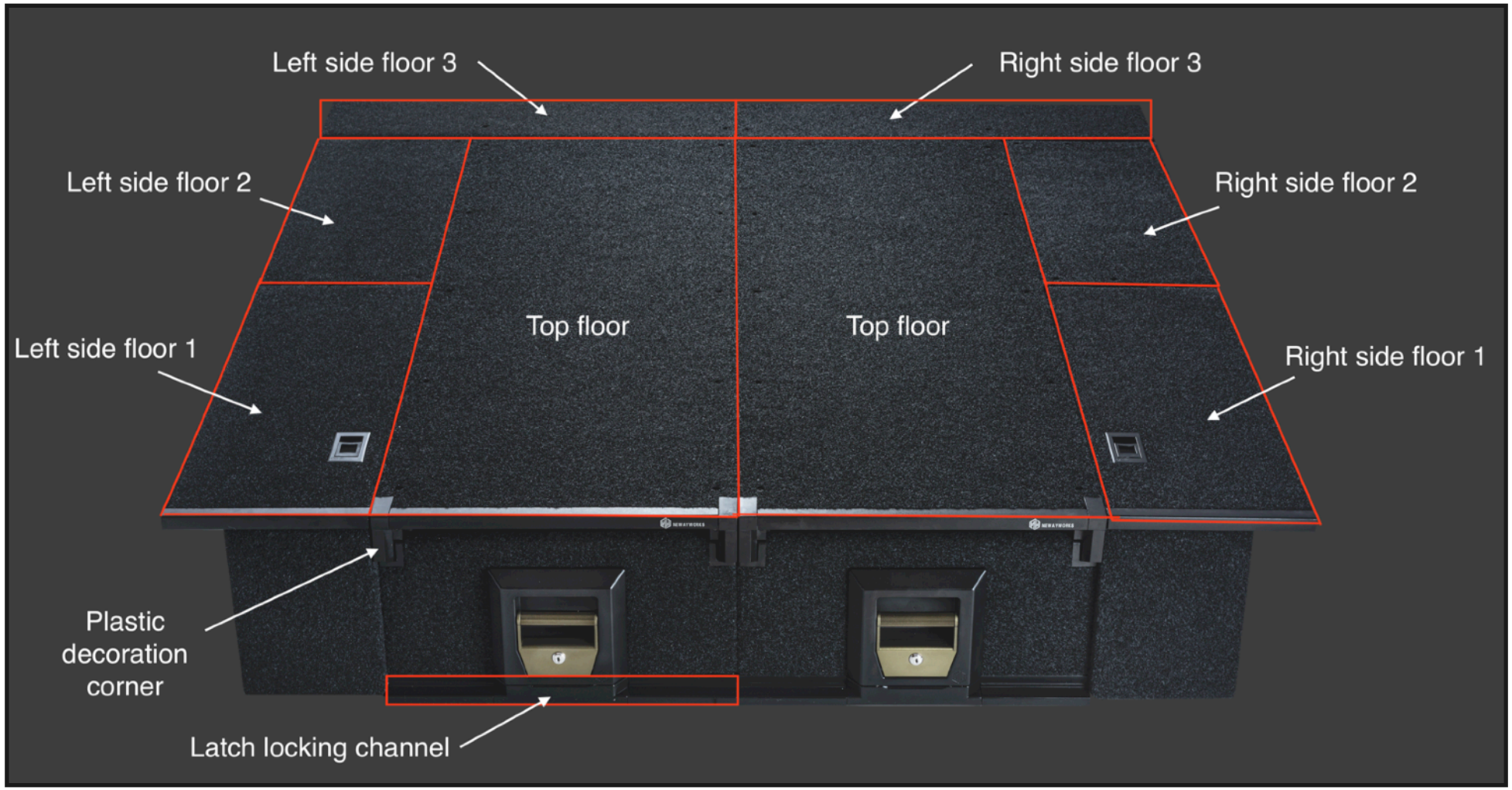
Reference picture	Name	Quantity	Detail	Parts supplied from
	Right side bracket 2	1	Remove the six preinstalled M6 roundhead bolts from the bracket and install them according to the instruction when needed.	Side floor kit
	Right side bracket 3	1	Remove the two preinstalled M6 roundhead bolts from the bracket and install them according to the instruction when needed.	Side floor kit
	Left rear bracket	1	Remove the preinstalled M6 roundhead bolt from each bracket and install them according to the instructions when needed.	Side floor kit

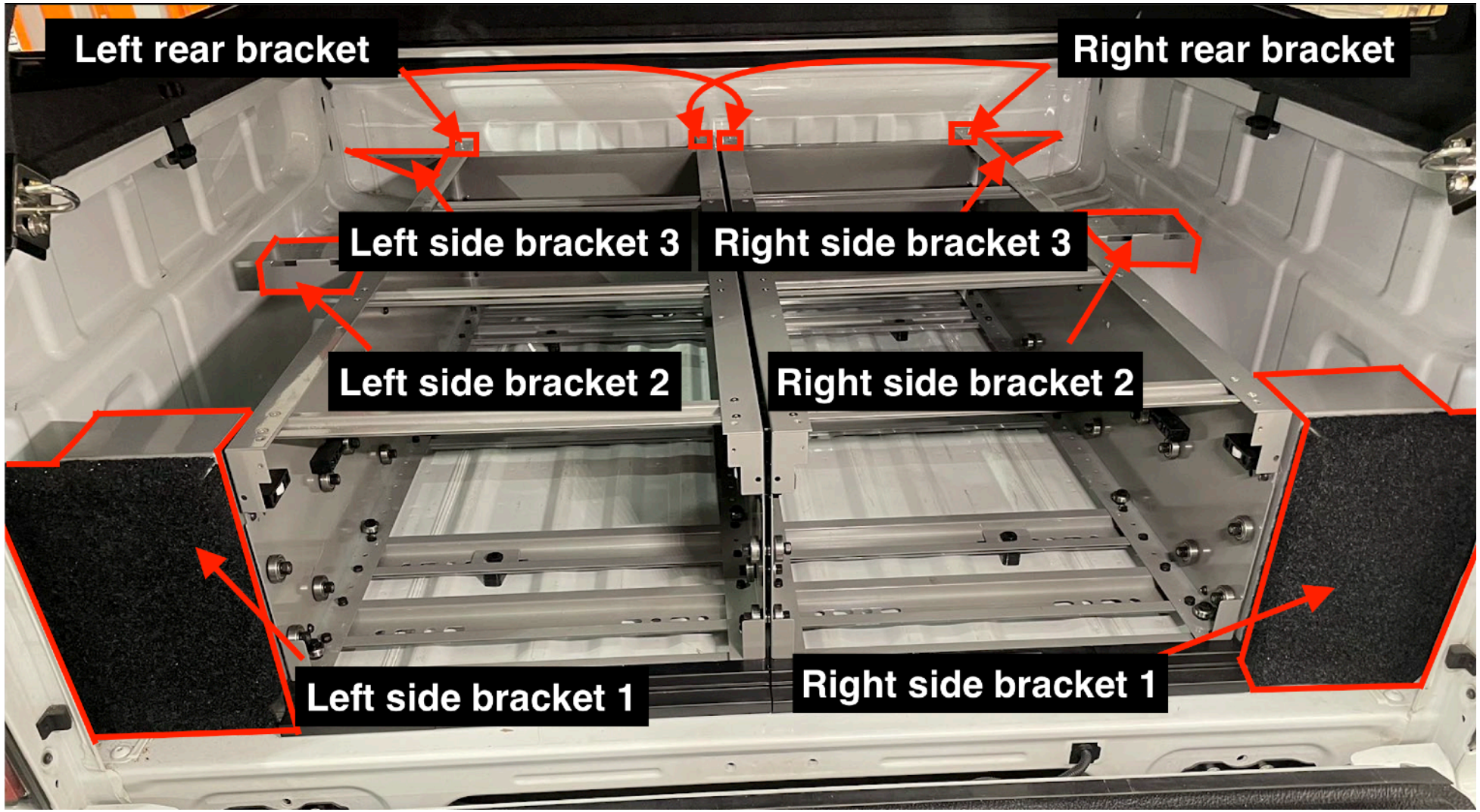
Reference picture	Name	Quantity	Detail	Parts supplied from
	Right rear bracket	1	Remove the preinstalled M6 roundhead bolt from each bracket and install them according to the instructions when needed.	Side floor kit
	M12x70 Bolt	4	“Bolts and Nuts Pack B” , for mounting twin draw module on the tub. Thickness of plastic spacers have been written on the back of each plastic spacer. Use this “Bolts and Nuts Pack B” according to the instruction when you needed.	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
	Plastic spacer 4 mm	8		Side floor kit

Reference picture	Name	Quantity	Detail	Parts supplied from
	Plastic spacer 5 mm	8		Side floor kit
	Plastic spacer 6 mm	8		Side floor kit
Please check position definition picture	Right side floor 1	1	N/A	Side floor kit
Please check position definition picture	Right side floor 2	1	N/A	Side floor kit
Please check position definition picture	Right side floor 3	1	N/A	Side floor kit

Position definition

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



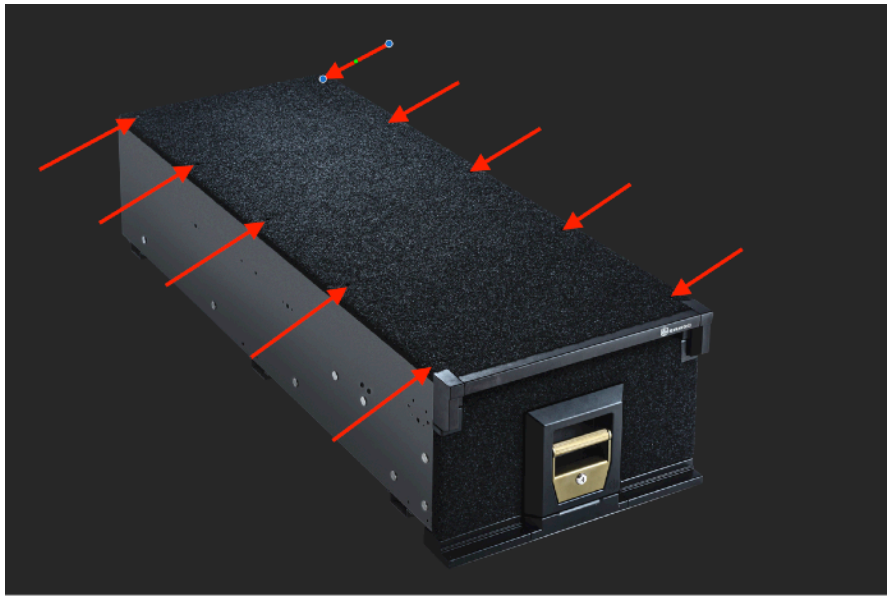

Left rear bracket
Right rear bracket
Left side bracket 3
Right side bracket 3
Left side bracket 2
Right side bracket 2
Left side bracket 1
Right side bracket 1

Drawer disassembly

1. If a fixed floor drawer is present, use a 2.5 mm metric hex Allen key to remove the two M4 x 35 countersunk bolts hidden beneath the front left and right plastic decoration corners.
2. Remove the plastic decoration corners from the top floor. Keep them inside the drawer for reassembly.

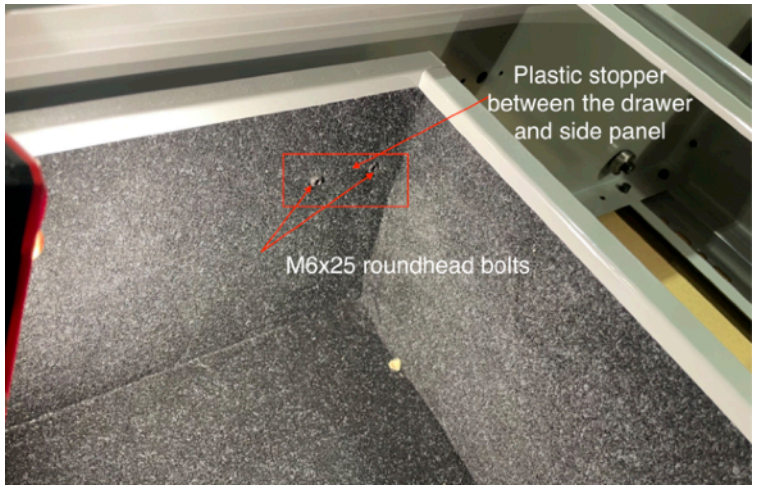


3. Use a 4 mm metric hex Allen key to remove all ten M6x20 roundhead bolts and lift the top floor off. Keep them inside the drawer for reassembly.



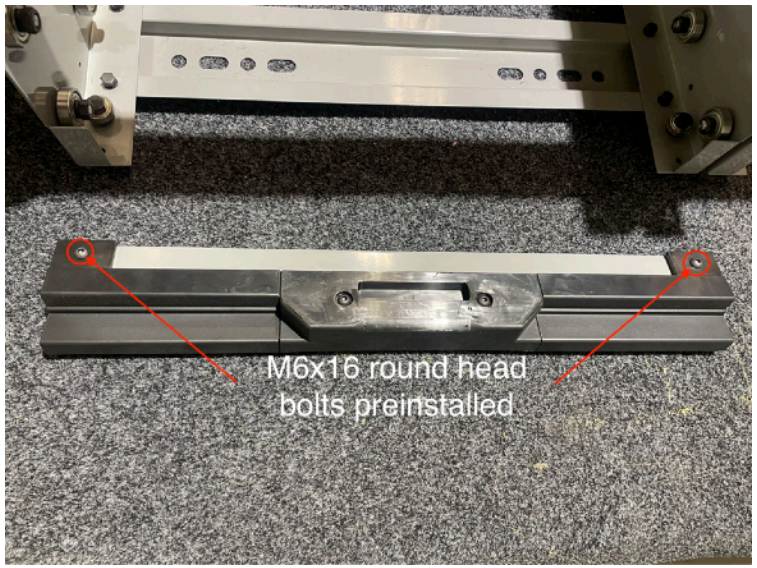
Drawer disassembly

1. Once the top floor has been removed, you will then be able to see the plastic stoppers at rear of the drawer. Remove 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. 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.

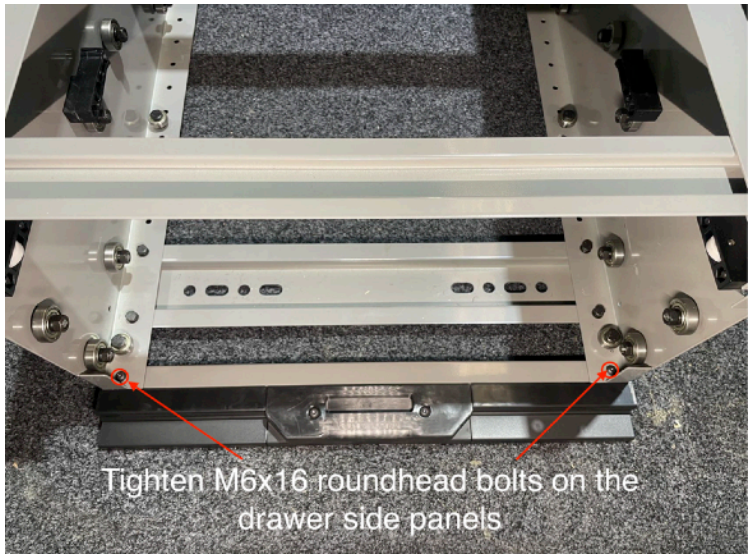


Frame preparation

1. Remove the two roundhead bolts that are preinstalled on the latch locking channel.



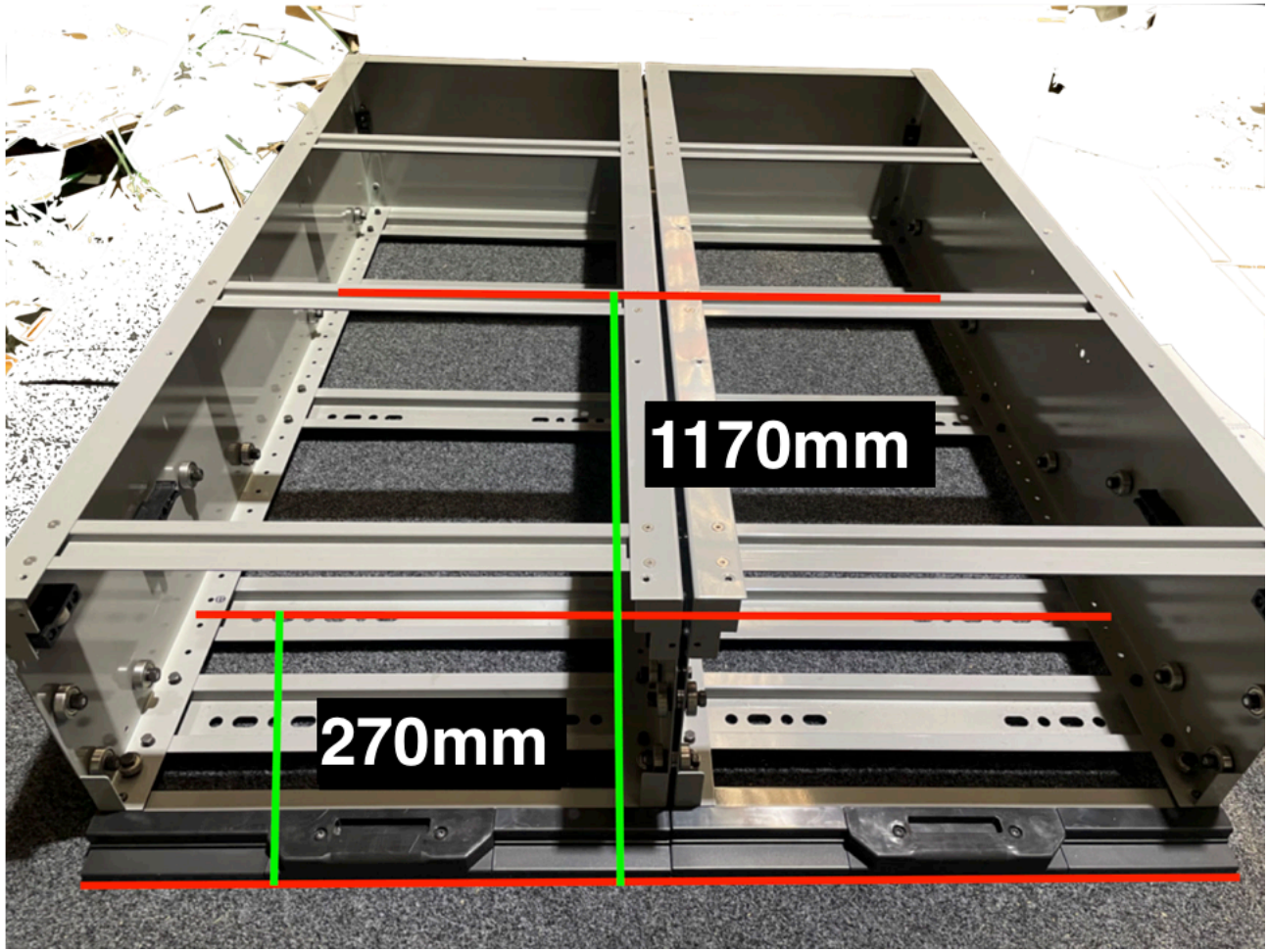
2. Fasten and tighten the latch locking channel back onto the drawer frame as shown.



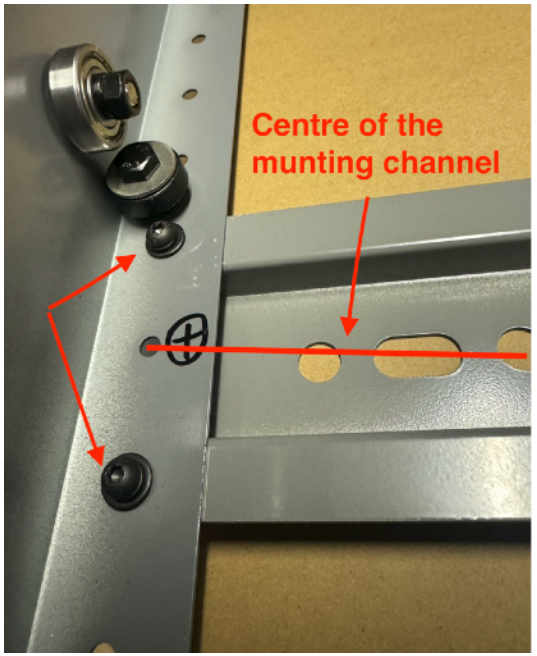
3. Attach the mounting channel as shown in the picture below.

The front of locking latch channel to the centre of first mounting channel is 270mm.

The front of locking latch channel to the centre of second mounting channel is 1170mm.

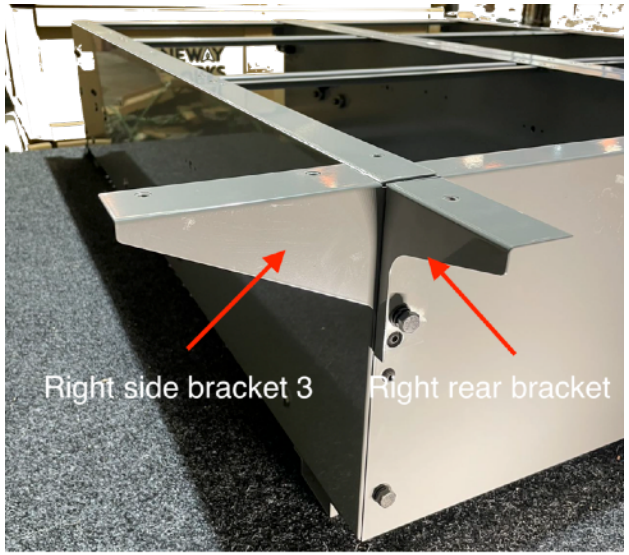


4. Remove the eight preinstalled eight preinstalled “M6x12 hex flat head bolts, nuts and washers” from each mounting channel, and then tighten the mounting channel to the drawer frame according to the picture.



5. Tighten the 3 bolts and nuts which across the side panels and 3.5 mm plastic spacers by using tools. (from step 3)

6. At the right rear of the twin drawer module, remove the 2 bolts that’s already on the drawer
7. Using “right rear bracket ” and “right side bracket 3”, put the 2 bolts back on the twin drawer frame.

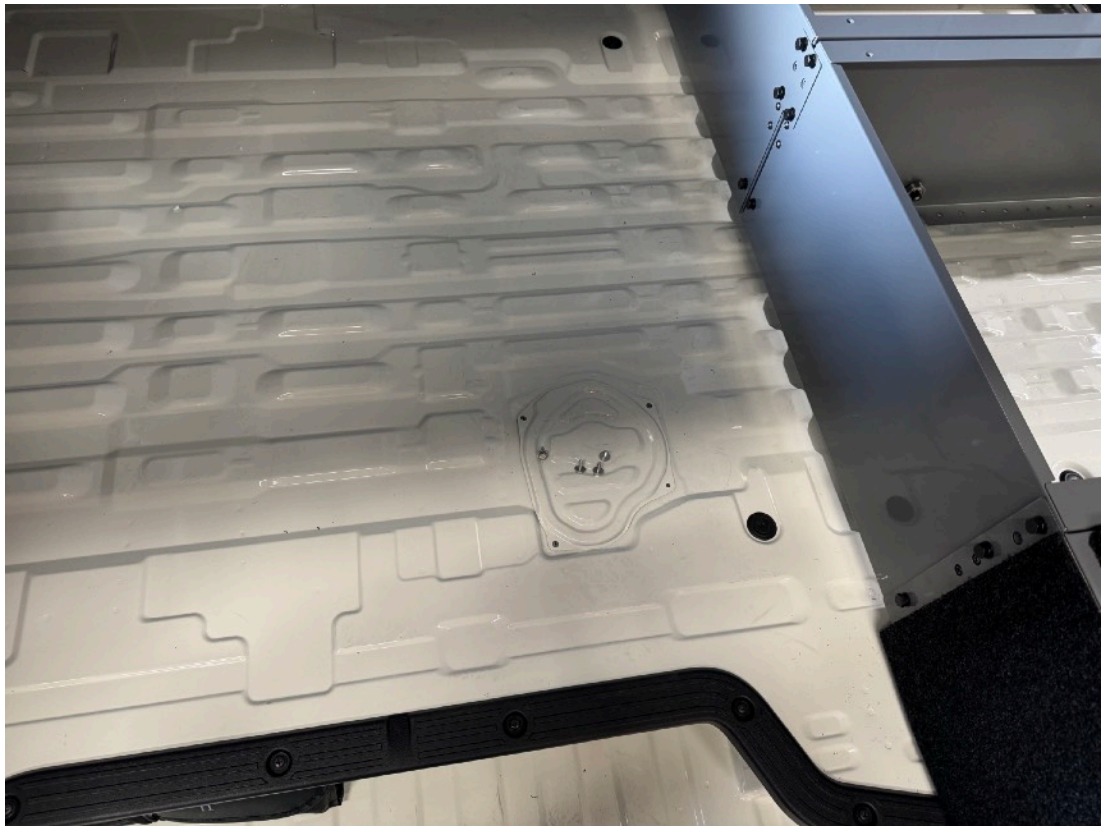


Very important notice:

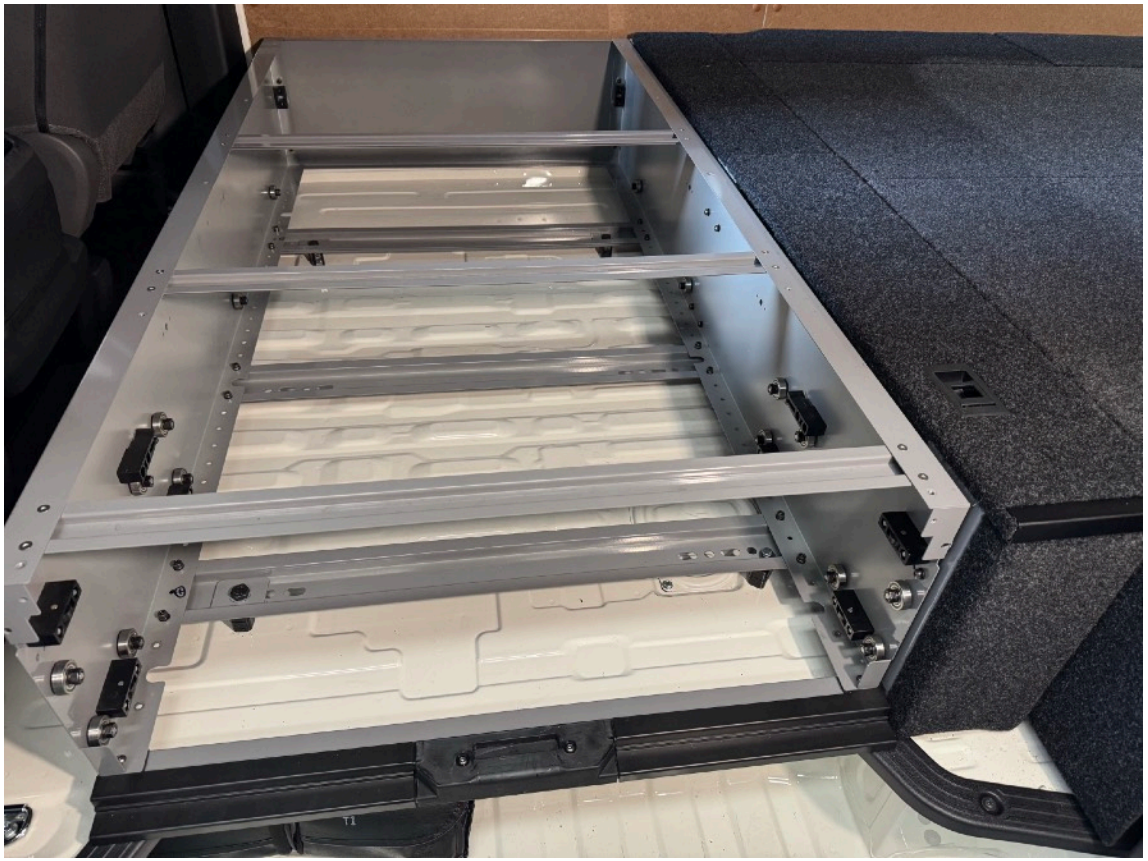
If installing the complete drawer system for a Toyota HiAce 2019-onward, always install the rear door drawer system first. The rear door drawer system acts as the alignment reference point for the side door drawer installation.

Frame mounting on the tub

1. Remove the access cap of the Fuel tank. shown on the picture.

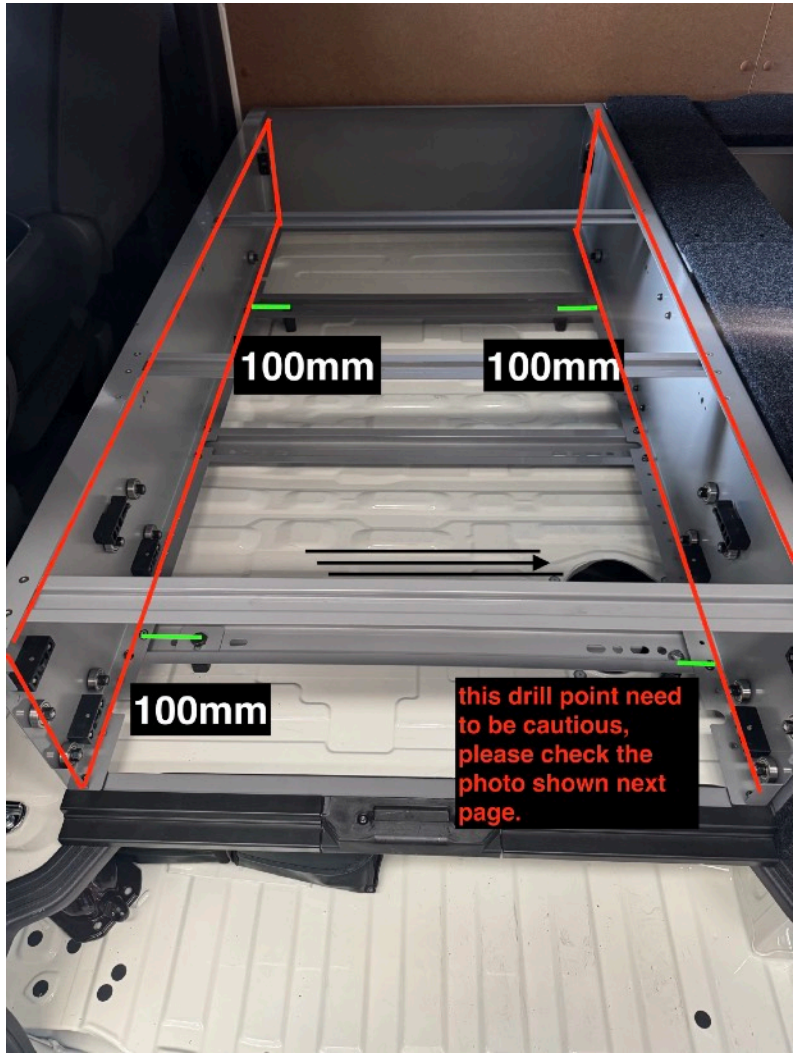


2. Place the drawer into the van.
3. And put all the brackets and side wings on. shown as the picture.

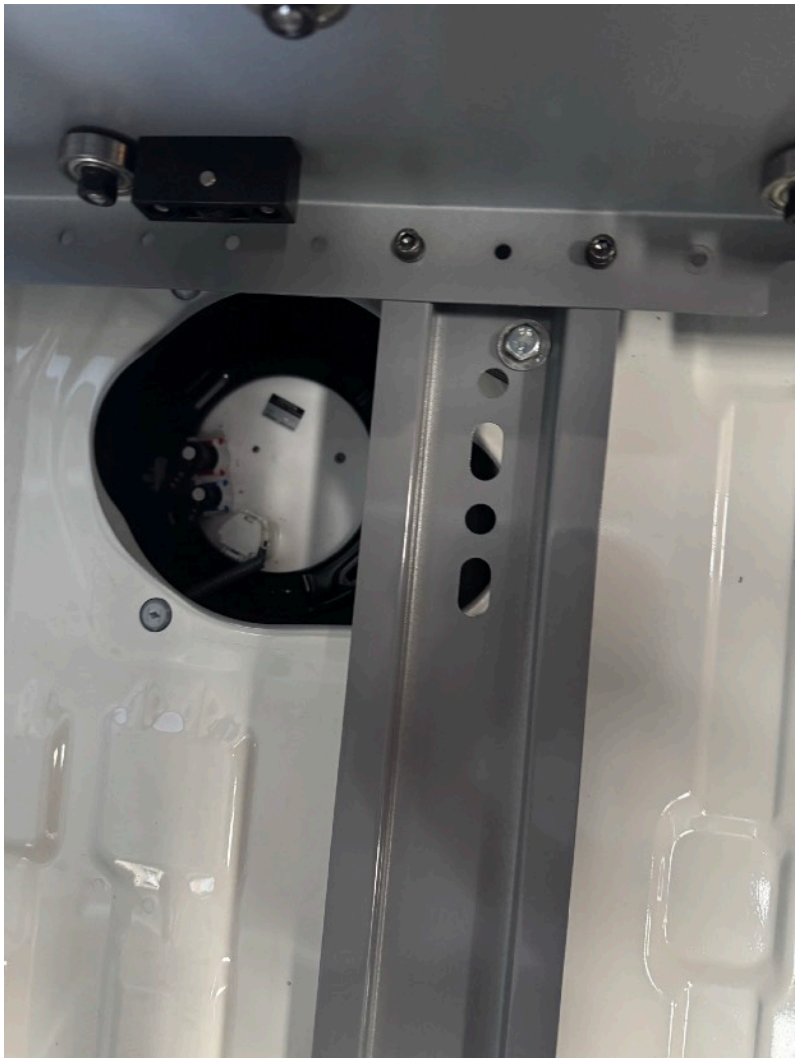


4. Ensure the drawer is perfectly centred in the tub and mark the drilling points on the mounting channel as shown in the picture:

The drilling point is 100mm from the side panel towards the middle of the drawer on the mounting channel.



Please be very careful to drill the hole. there’s a fuel line down under.



5. Mark these four drilling locations. Using a 3 mm drill bit, drill four holes on the tub. Important notes: Double-check that the left side floor 1 and right side floor 1 can open and close before drilling, as the drawer module is slightly movable. Push the drawer module towards the engine bay (front of the vehicle) to create space for opening and closing the left and right side floors.
6. Double-check underneath the chassis to ensure there are no wiring loops or other components in the way. Back in the tub, use a 13mm drill bit.

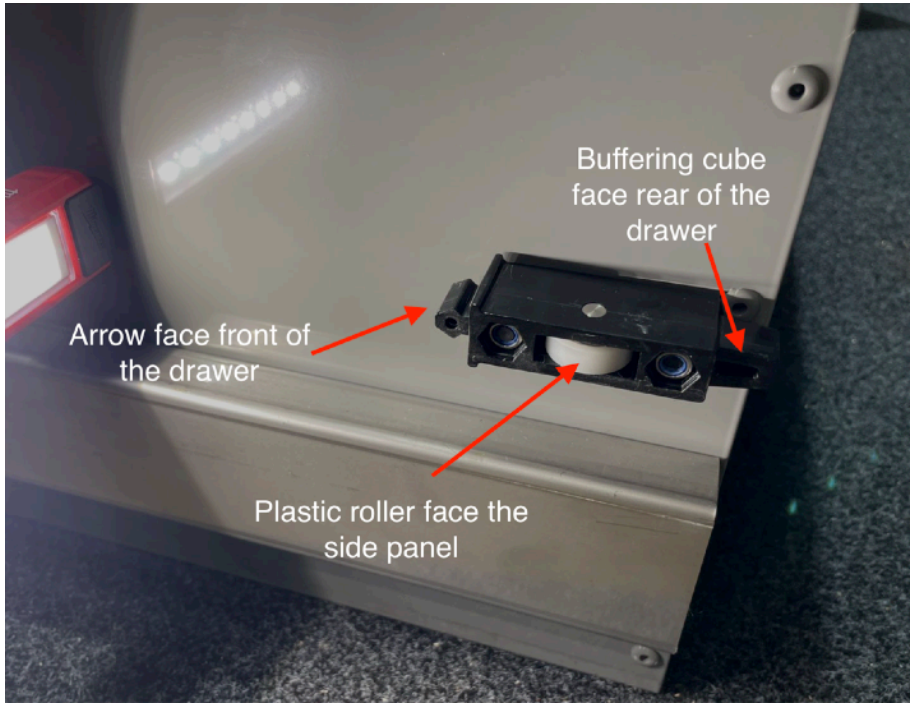
7. Prepare four sets of 33 mm plastic spacers (10mm + 10mm + 4mm + 4mm + 5mm) by stacking them together and cutting the nipples (Bolts and Nuts Pack B supplied). Please check the picture shown:



8. Place the four sets of 20mm plastic spacers at the four drilling points between the mounting channel and the tub (under the mounting channel).
9. Use four M12 x 70mm bolts to cross the rectangle metal washer, mounting channel, 20mm plastic spacers, and tub.
10. Underneath the chassis, apply four M12 Rectangle metal flat washers with sponge and four M12 Nuts on the threads. Tighten these four M12 x 70mm bolts with one person underneath the chassis using a 19mm metric spanner to hold the M12 Nuts while another person uses a 19mm socket electric tool to tighten the M12 x 70mm bolts. Ensure these four points are tightened enough so that the sponge will shrink to 2-3 mm or less. The person underneath the chassis can hand-tighten to double-check if it is tight enough.

Drawer and top floor installation

1. Insert the drawer back into the frame First.
2. Place the plastic stopper between the drawer and side panel. The plastic roller on the stopper should face the panel side, the arrow should face the front of the drawer, and the buffer cube should face the rear of the drawer. Align the plastic stopper and tighten it from inside the drawer using the original two 25mm roundhead bolts. Repeat for the other side.



3. Place the top floor on the drawer, align the holes, and use a 4mm metric hex key to hand screw in the M6x20 roundhead bolts first, then use a power tool to tighten them.
4. Attach the plastic decoration corners using a 2.5mm metric hex key and tighten them back into position. Ensure all components are securely fastened and the drawer operates smoothly.