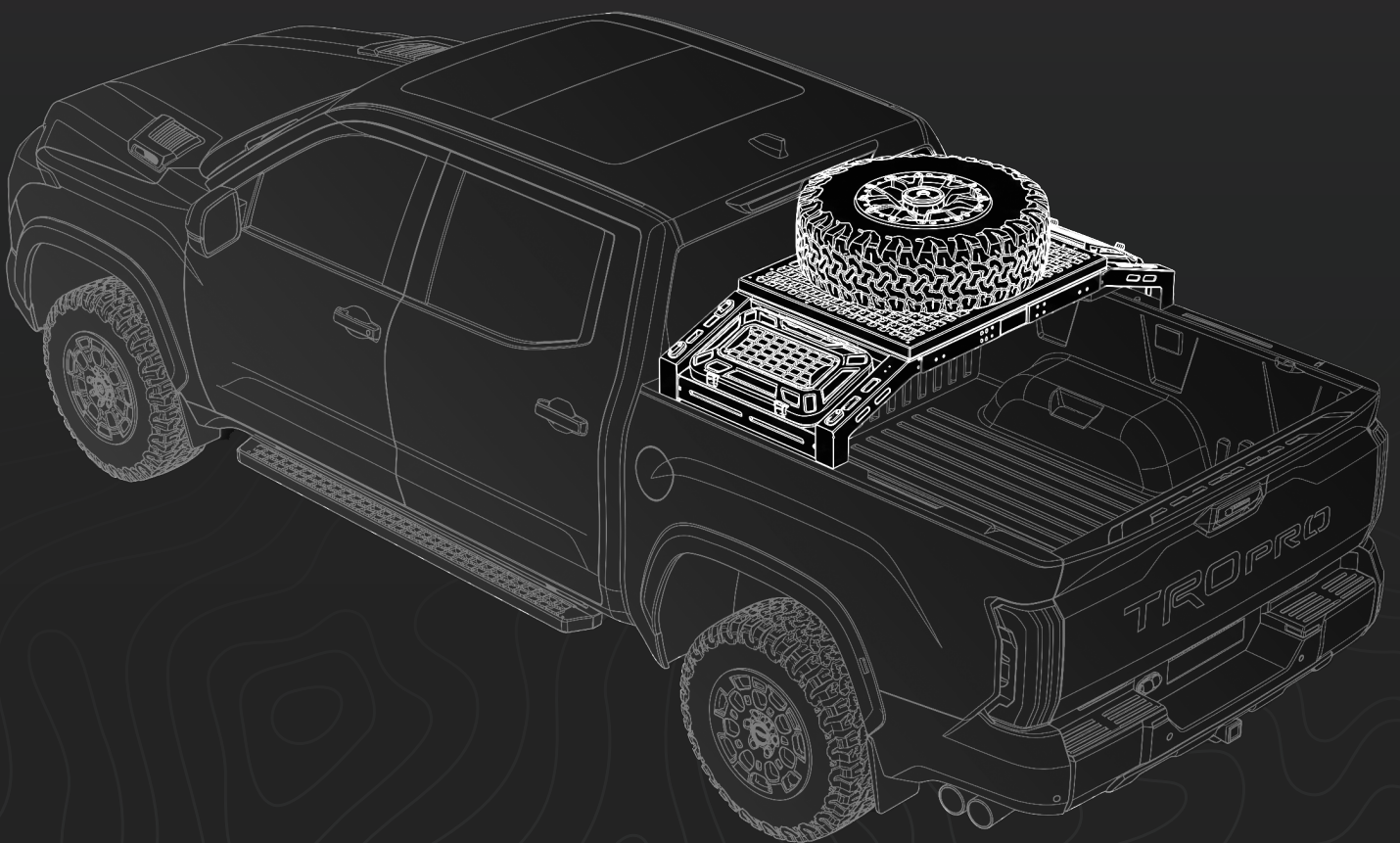


SPARE TIRE CARRIER

(Adjustable Width · Dual-Purpose Storage)

INSTRUCTION GUIDE ▶▶





- Assembly: 1 person recommended; Installation & heavy object handling: Minimum 2 people required.
- Check all parts for damage before assembly; Do not use acetone or thinner on painted surfaces.
- Follow the core principle: "Pre-tighten first, adjust second, final lock last"; Never tighten screws unilaterally.
- Manufacturer is not liable for damage or injury caused by non-compliant operation.

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01	Installation Instructions & Safety Precautions	01
02	Installation Tools	02
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■ Unpacking & Component Overview

This product adopts modular split packaging with 2 independent packages. Check package integrity after unpacking, confirm all parts free of bump, deformation and scratch. Contact after-sales service immediately for missing or damaged parts.

- Main package parts: Left & right main upright frame, adjustable cross beam, middle longitudinal beam, mesh panel assembly, dual side storage boxes, spare tire fixing fittings (No forced disassembly)
 - Independent fastener package: M8×25 hex socket screws, M8×20 T-bolts, flange nuts, flat washers, spring washers, clip nuts and other hardware
-

■ Core Safety Regulations

- Park the vehicle on flat and solid ground, pull handbrake, turn off engine and cut off power to prevent vehicle sliding.
 - Only clamp T-bolts into roller shutter cover track; Do not disassemble the track body to avoid parts loss or shutter malfunction.
 - Install fasteners by standard specification, no mixed use of different screws or forced screwing on misaligned holes; T-bolts cannot be replaced by ordinary bolts.
 - Lifting, width adjustment and spare tire installation must be completed by two persons; No violent operation by single person.
 - Roller shutter track and cargo hole position vary by vehicle model; Forbid forced installation on incompatible vehicles.
-

■ General Installation Principle

- Follow the principle: Pre-tighten first → Adjust position → Final locking. Do not tighten screws unilaterally at one time. Align left and right adjustment holes of cross beam before locking to prevent frame skew.
-

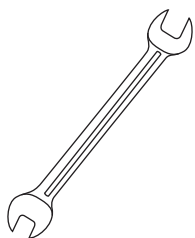
■ Vehicle & Environment Preparation

- Clean sundries and sediment in pickup cargo box and shutter track, ensure mounting position unobstructed, rust-free and no protruding foreign objects.
 - Check shutter track and original vehicle bolts free of deformation, crack and thread slipping; Replace or repair damaged parts before installation.
 - Ensure sufficient light and operating space, avoid risks of falling objects and vehicle sliding.
-

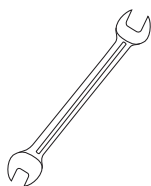
■ Disclaimer

- The manufacturer shall not be liable for equipment damage, personal injury and property loss caused by non-standard installation, use and maintenance. Manual update without prior notice.

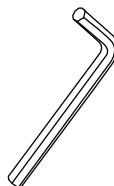
02 INSTALLATION TOOLS



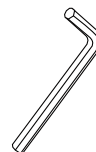
13mm
External Hex Wrench



10mm
External Hex Wrench



13mm
Internal Hex Wrench

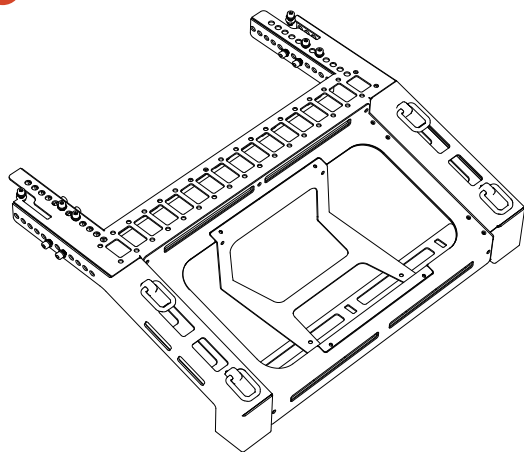


10mm
Internal Hex Wrench

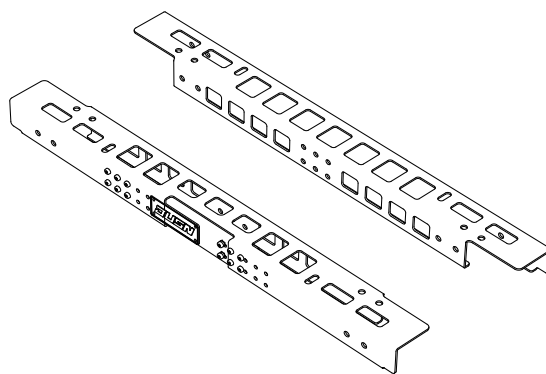
03 PARTS LIST

■ Main Structural Parts

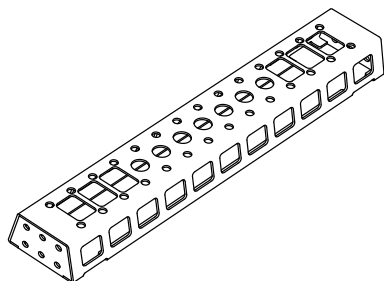
1 Main frame×2



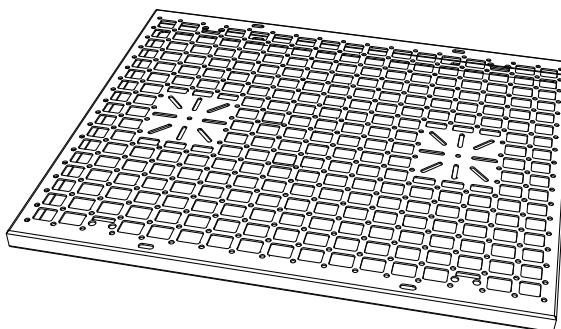
2 Cross beam×2



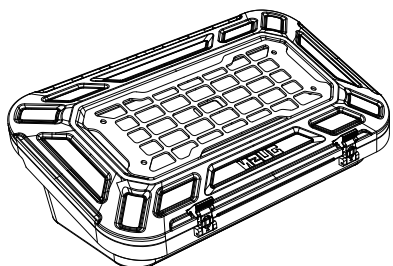
3 Middle longitudinal beam



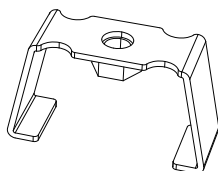
4 Mesh panel



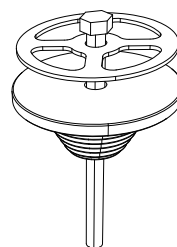
5 Storage box×2



6 Spare tire fixing nut



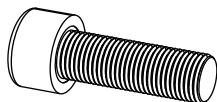
7 Spare tire limit bracket



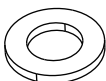
■ Standard Fasteners

M8*25

Hex socket cap screw

**D8**

Flat washer

**D8**

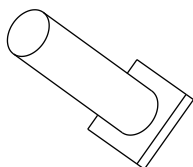
Spring washer

**M8*30**

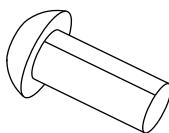
Hex nut

**M8*20**

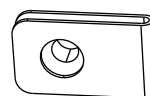
T-bolt

**M6*14**

Pan head hex socket screw

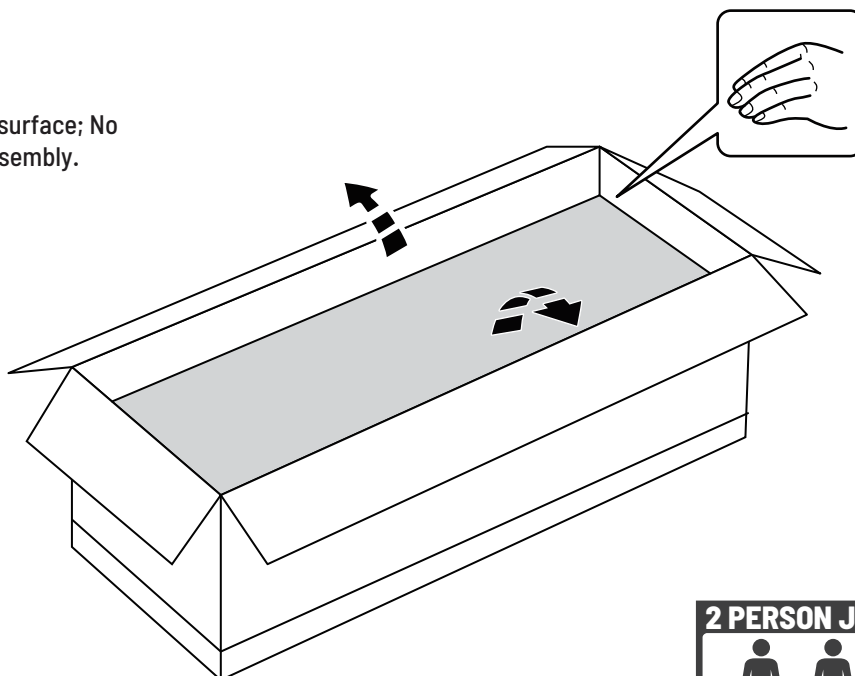
**M6**

Clip nut

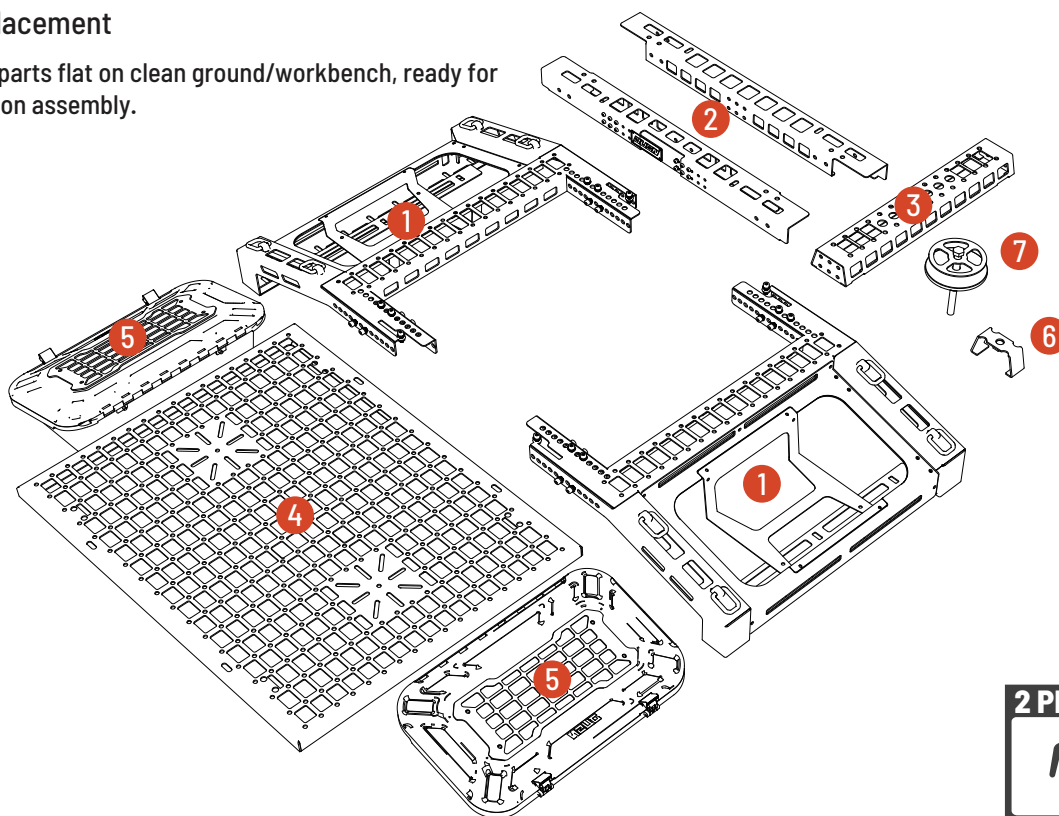


STEP1**➤ Appearance Inspection**

Take out all panels and inspect painted surface; No appearance warranty accepted after assembly.
Contact after-sales if damaged.

**2 PERSON JOB****STEP2****➤ Parts Placement**

Place all parts flat on clean ground/workbench, ready for two-person assembly.

**2 PERSON JOB**

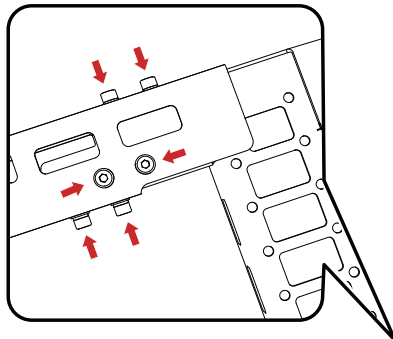
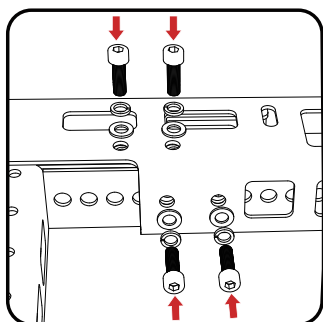
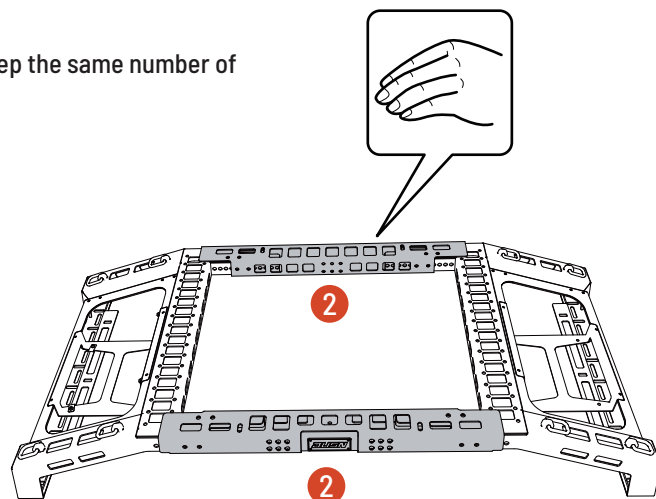
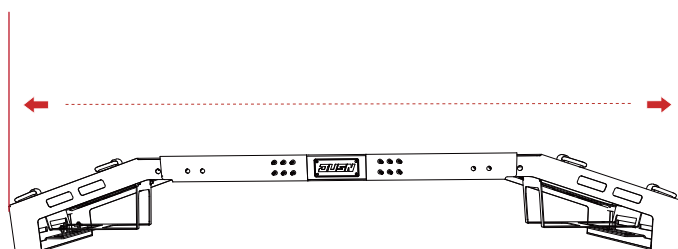
04 MAIN BRACKET ASSEMBLY STEPS

STEP 3

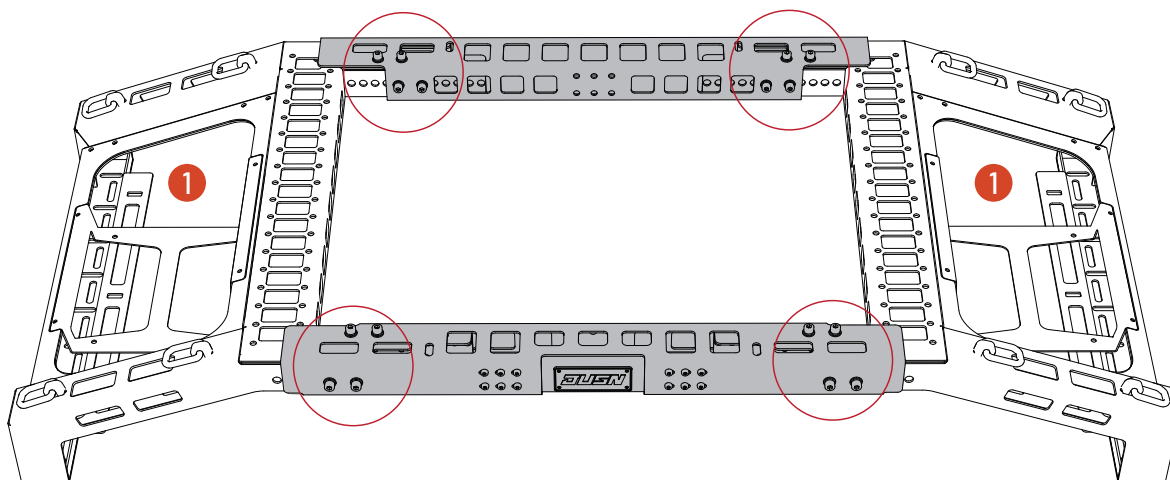
➤ Main Frame Pre-assembly

01 Stand up left and right main frames, install 2 cross beams.

02 Adjust cross beam length according to cargo/shutter width, keep the same number of adjustment holes on left and right.



03 Fix with M8×25 screw + flat washer + spring washer + flange nut; 6 sets at each end of cross beam, total 24 sets for full locking.



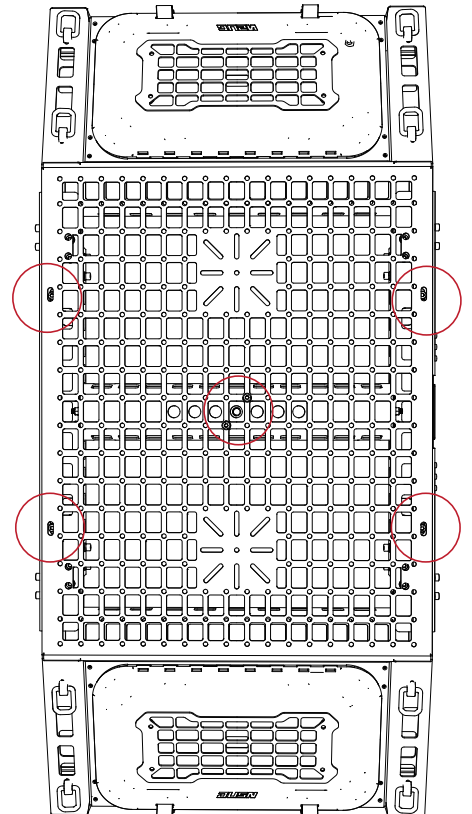
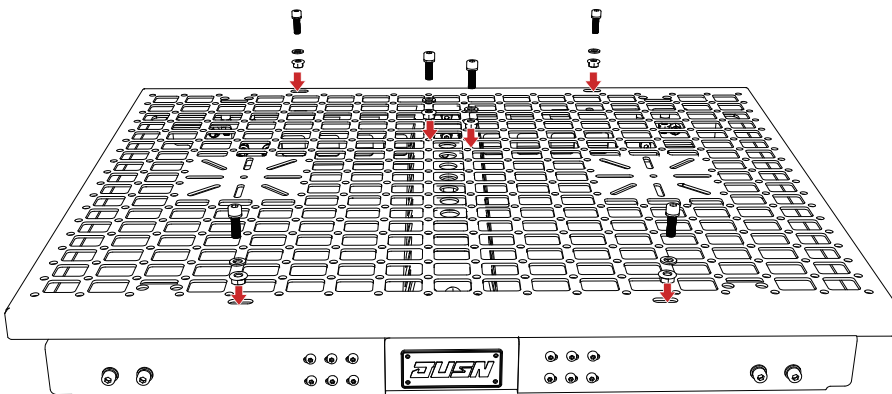
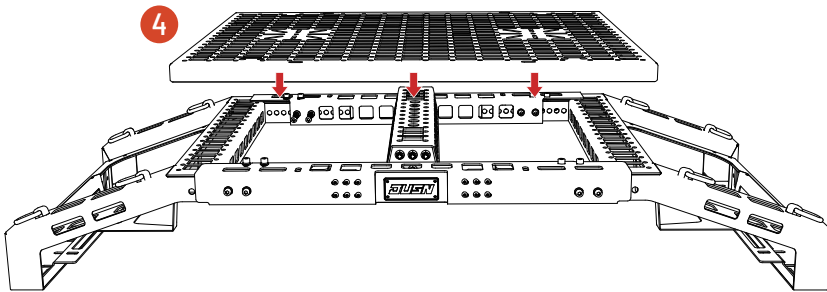
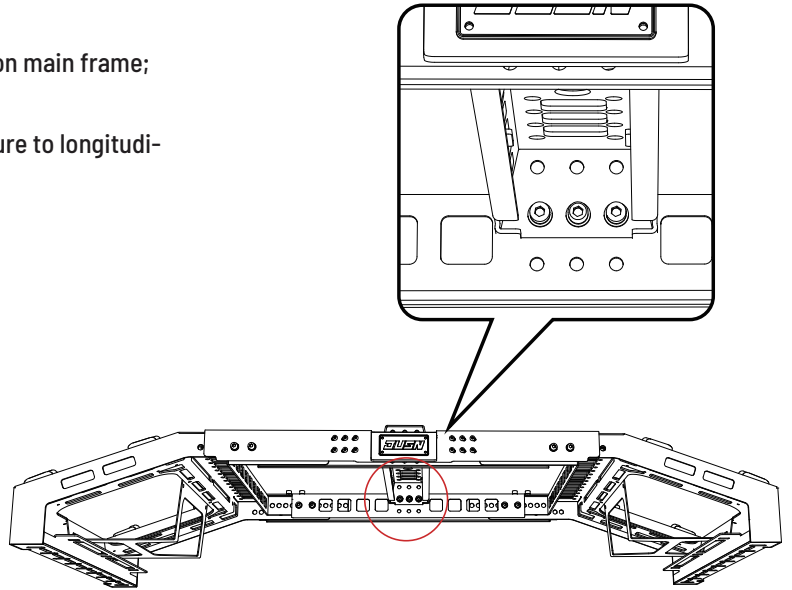
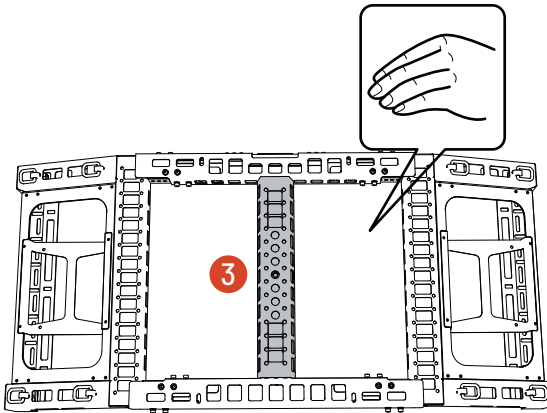
STEP4

➤ Longitudinal Beam & Mesh Panel Installation (Dual Switchable Modes)

Mode A: With Spare Tire

01 Align middle longitudinal beam with lower holes on main frame;
Secure with 6 sets of fasteners.

02 Align mesh panel with corresponding holes; Secure to longitudinal
beam and main frame with 6 sets of fasteners.



STEP4

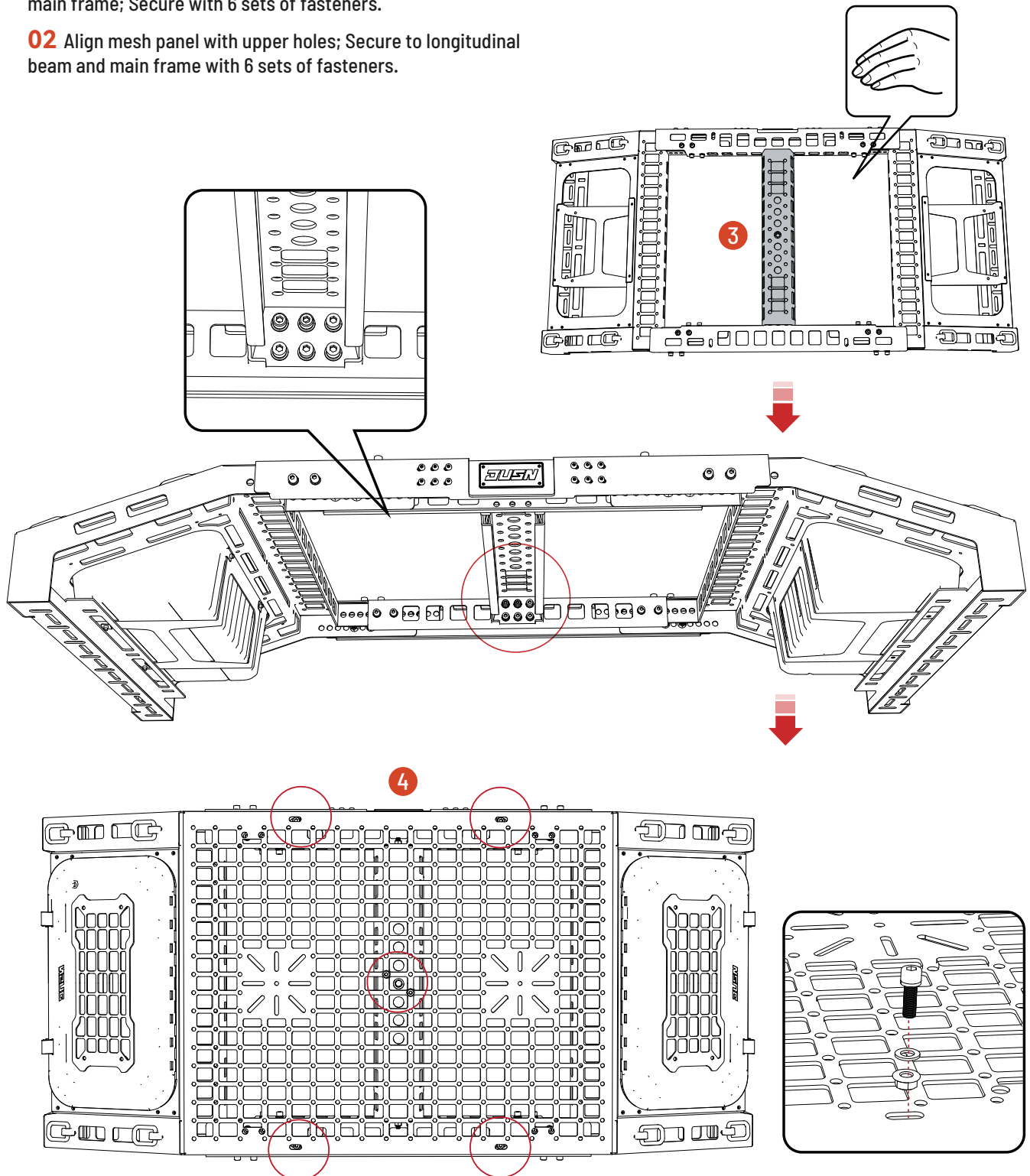


➤ Longitudinal Beam & Mesh Panel Installation (Dual Switchable Modes)

Mode B: Storage Only (No Spare Tire)

01 Raise middle longitudinal beam and align with upper holes on main frame; Secure with 6 sets of fasteners.

02 Align mesh panel with upper holes; Secure to longitudinal beam and main frame with 6 sets of fasteners.



➤ Secure Main Frame to Vehicle



6X

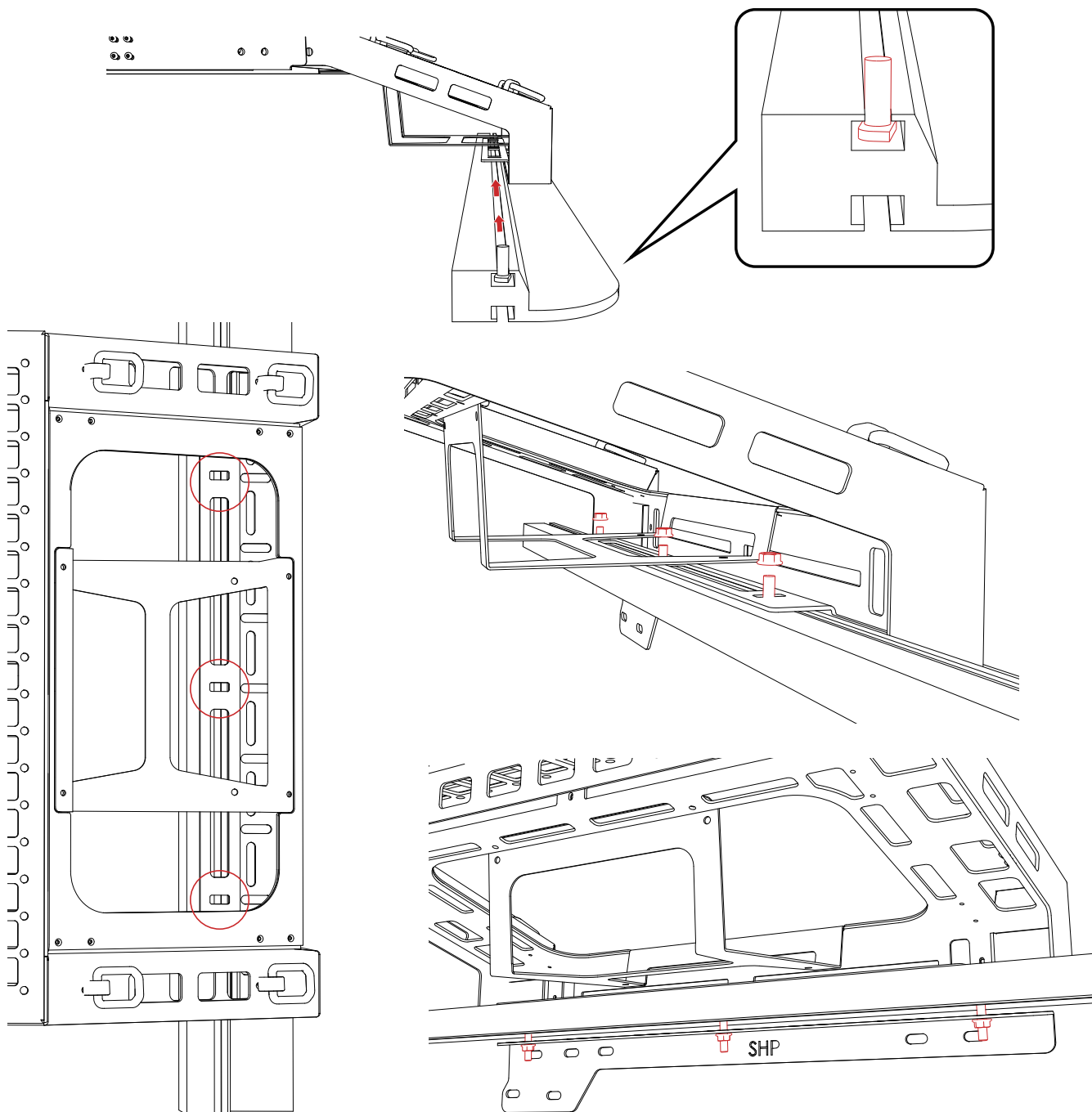


6X

01 Insert M8×20 T-bolts into roll-up cover track slots.

02 Adjust main frame position to align T-bolts with frame mounting holes.

03 Install 3 T-bolts on each side (total 6); Pre-tighten, adjust frame level, then final lock.



STEP 5



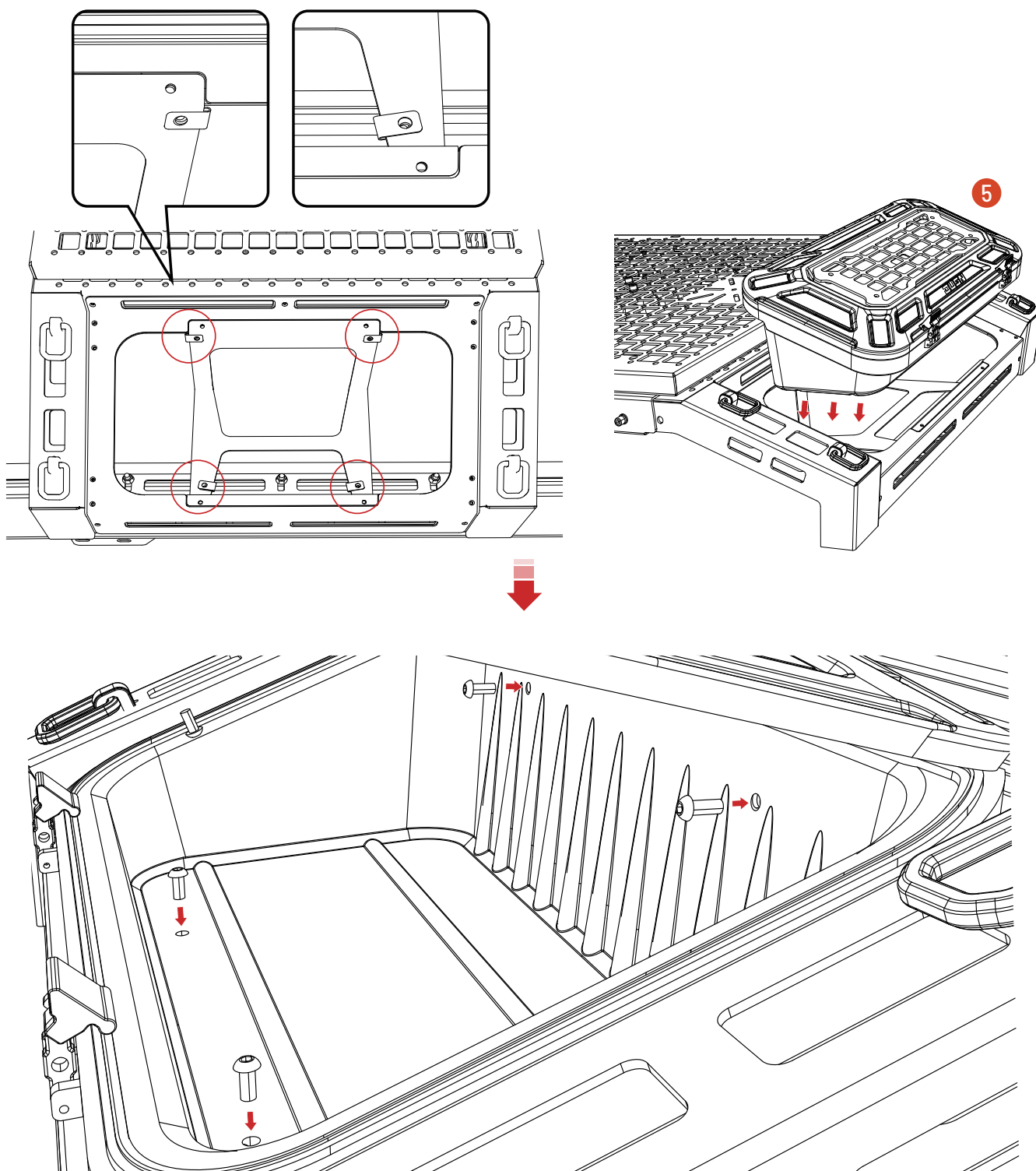
8X



8X

➤ Install Side Storage Boxes

- 01** Align storage boxes with side mounting points on main frame.
- 02** Loosen front corner bolts, insert front corners, and pre-tighten with M6×14 screws + M6 clip nuts.
- 03** Adjust storage box position for even gaps, then tighten all M6 screws.



STEP 6



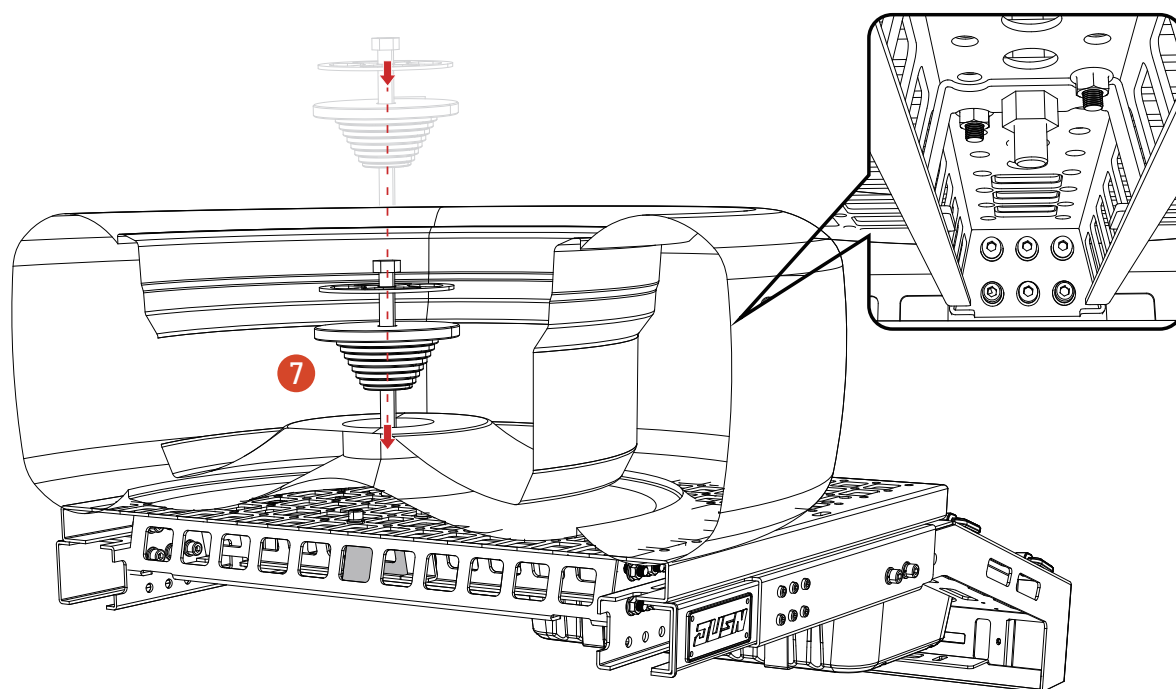
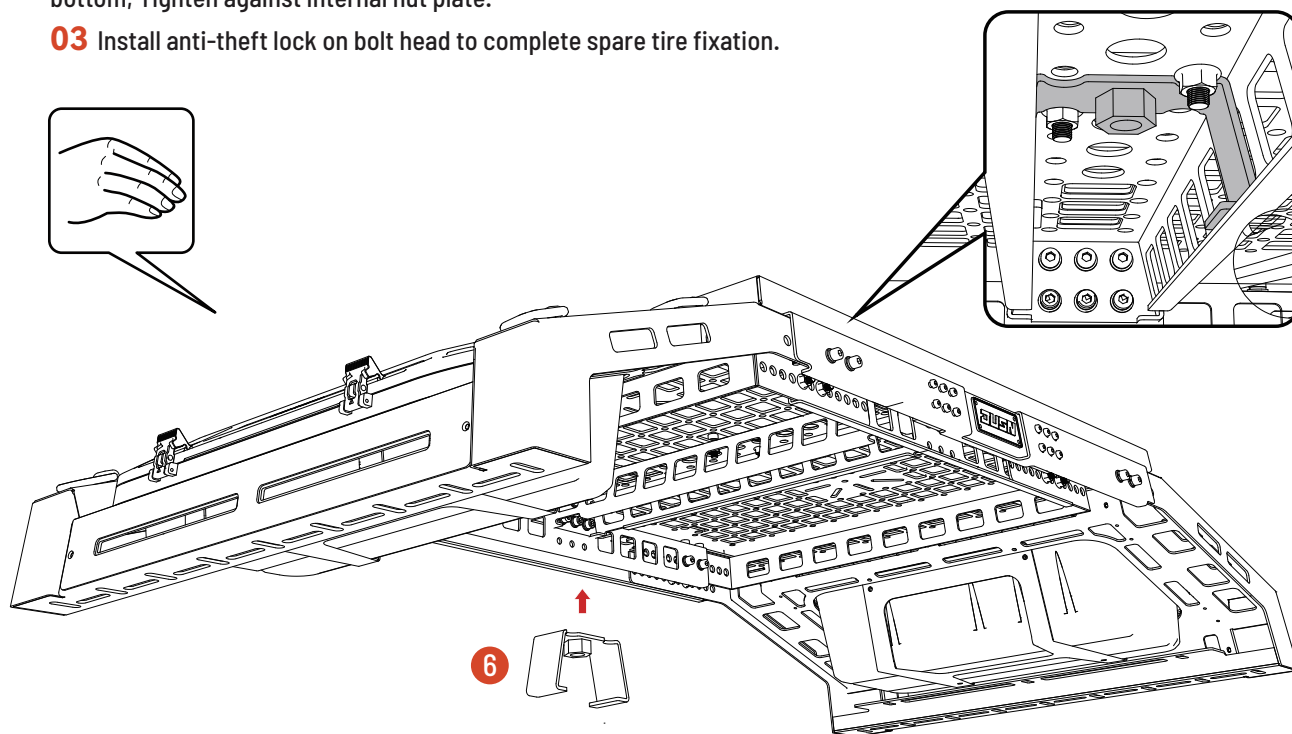
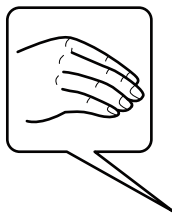
1X



1X

➤ Install Spare Tire (Mode A Only)

- 01** Place spare tire on longitudinal beam, align with center hole.
- 02** Insert spare tire fixing bolt through tire and longitudinal beam from top to bottom; Tighten against internal nut plate.
- 03** Install anti-theft lock on bolt head to complete spare tire fixation.



■ Post-Installation Check



Fastener Check: 24 sets of M8 cross beam connectors, 6 sets of T-bolts, storage box and spare tire screws are complete, tight and thread-intact.



Alignment Check: Symmetric cross beam holes, no frame skew; T-bolts fully clamped without falling off; Spare tire nut plate positioned accurately.



Function Check: Rack overall stable without shaking; Dual mode switching smooth; Storage box and spare tire fixed firmly.

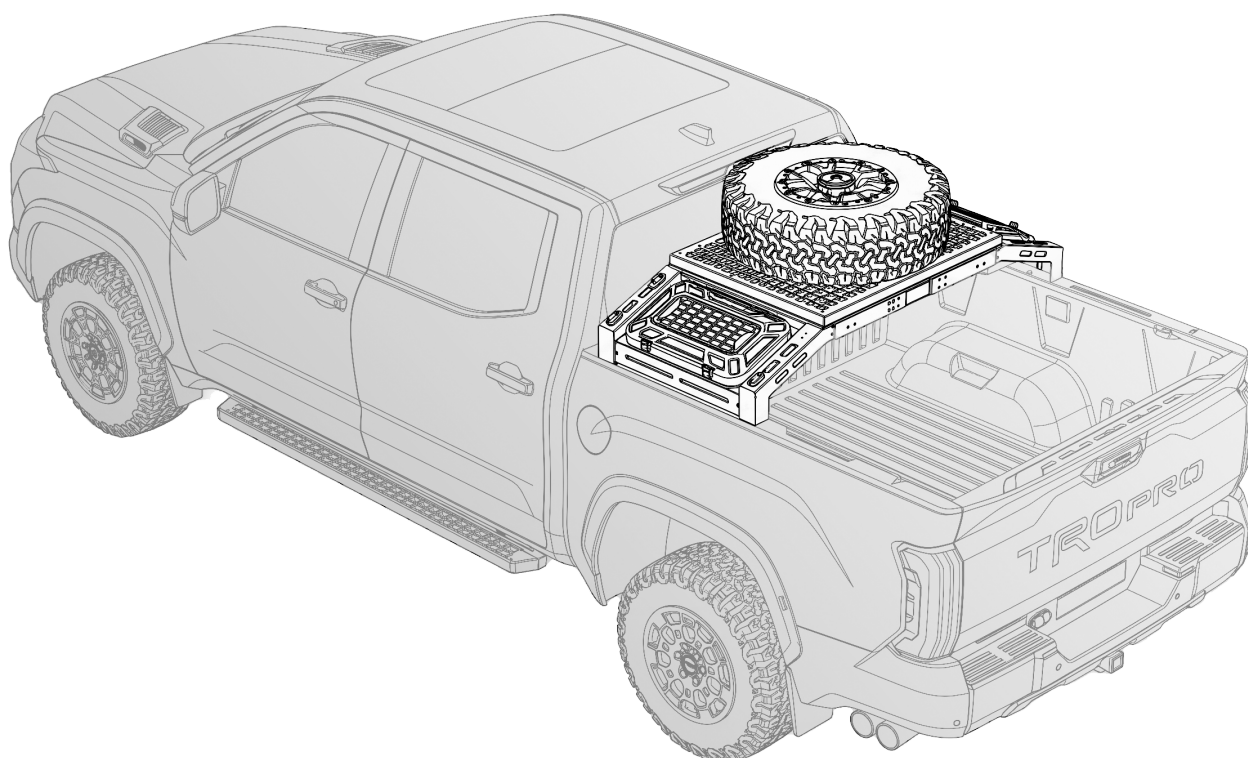


Appearance Check: No scratch, deformation or collision on parts; Even mounting gap for mesh panel and storage box.

■ Daily Maintenance Specification

- Recheck all fasteners every 3 months, re-tighten T-bolts and cross beam connectors priority.
- Check wear of adjustable parts every 6 months, clean and apply grease for smooth switching.
- Regularly clean sediment in track and holes, prohibit corrosive detergent.
- Clean dust and ponding for long-term parking; Avoid overloading, sun exposure and rain to prevent deformation, aging and paint peeling.

Symptom	Possible Cause	Solution
Rack is skewed and asymmetrical overall	Unequal number of adjustment holes on left and right crossbeams; Uneven pre-tightening of fasteners	Re-align left and right adjustment holes to ensure the exact same number of holes; Tighten all fasteners evenly in diagonal order
Rack wobbles and shifts during driving	T-track bolts not locked; T-bolts not fully engaged in the track; Crossbeam fasteners loose	Re-tighten 6 sets of M8×20 T-bolts; Re-insert T-bolts into the roller shutter cover track slots; Re-tighten 24 sets of M8 crossbeam connection assemblies
Longitudinal beam mode switching is stuck and cannot be adjusted	Sediment and foreign objects in longitudinal beam holes; Corrosion on adjustment parts; Fasteners not fully removed	Clean foreign objects inside the holes; Apply grease to adjustment parts after cleaning; Fully remove connecting bolts before performing adjustment
Spare tire is loose and sagging	Nut plate inside longitudinal beam not properly positioned; Fixing bolts not locked; Bolt threads stripped	Re-position the nut plate inside the longitudinal beam; Tighten fixing bolts to standard torque with a T-wrench; Replace stripped bolts and nut plate
Side storage boxes wobble and fall off	Clip nuts slipped; M6 connecting screws not locked; Positioning offset	Re-insert clip nuts into the main body positioning slots; Tighten M6 connecting screws; Re-align and install storage boxes in correct positioning
Loose and rattling at crossbeam joints	Missing spring washers/flat washers for M8×25 fasteners; Insufficient tightening torque; Flange nut threads stripped	Install missing flat washers and spring washers; Re-tighten fasteners to standard torque; Replace stripped flange nuts
T-bolts disengage from roller shutter cover track	T-bolts not fully engaged in slots during installation; Nuts not locked causing bolts to rotate and disengage	Remove and re-insert T-bolts into the internal track slots; Tighten flange nuts to prevent bolt rotation



SPARE TIRE CARRIER

THANKS FOR YOUR PURCHASE

PLEASE LET US KNOW IF YOU HAVE ANY QUESTIONS