

INSTALLATION GUIDE



Access Stow Mechanism 19-U0003



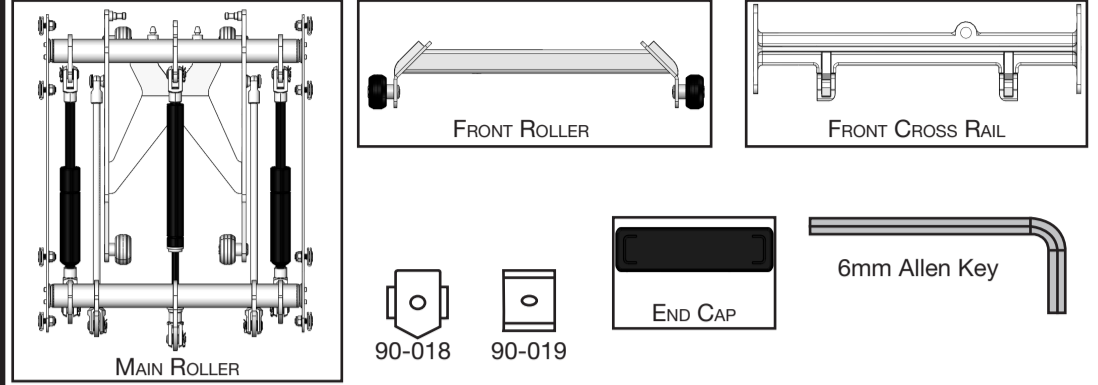
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Rev A5

SET-UP - PARTS & TOOLS

19-3001 BOX GAS RAM CARRIAGE



Hardware



*Excess hardware may be used for Rail Kit Install in 19-U0001 or 19-U0002.

19-3002 BOX MAIN CARRIAGE & HANDLE



19-3003 BOX SIDE RAILS



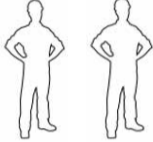
INSTALL PREPARATION

REQUIRED ITEMS

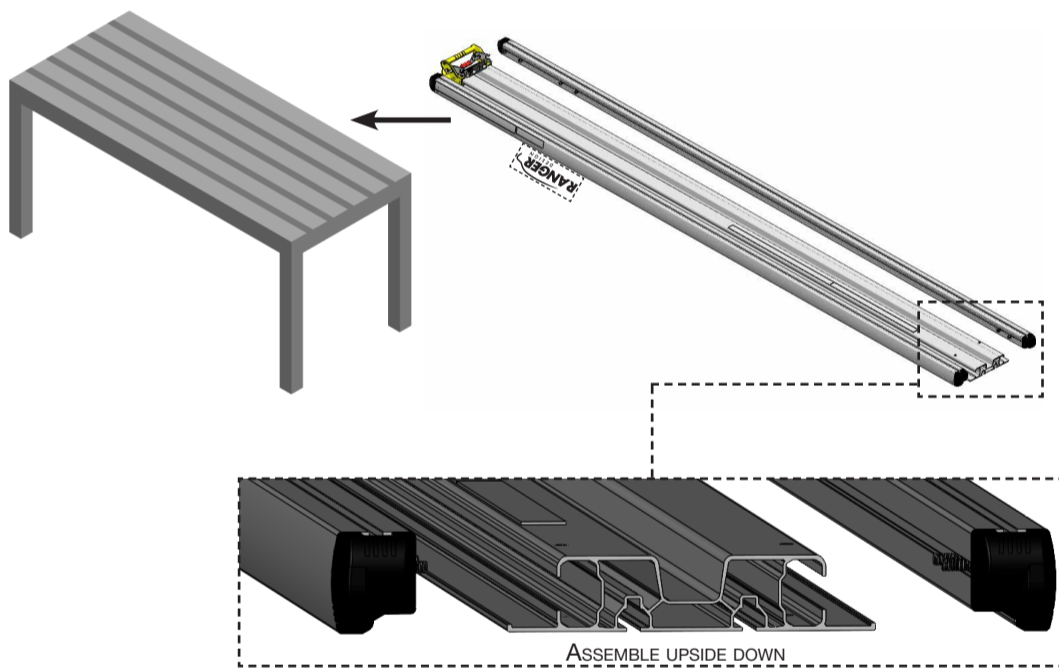
- 13mm Wrench
- Marker
- 13mm Socket
- Rubber Mallet
- Tape Measure
- Tape Measure

Anti-seize compound
*Compound to be used as required.

2 PERSONS

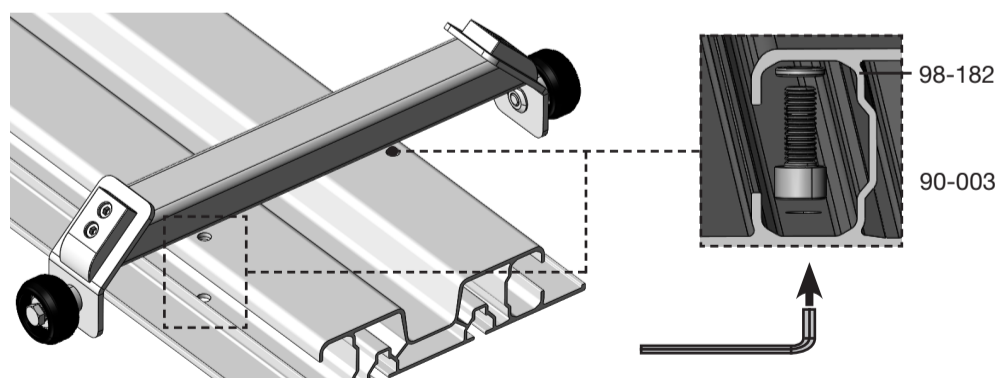


Lay the main extrusion and side rails upside down.



STEP 2 - FRONT ROLLER INSTALLATION

Install front roller using provided hardware and allen key.

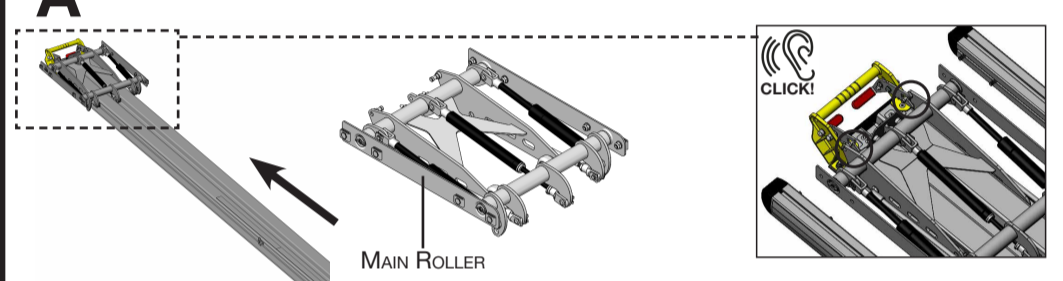


FASTENERS USED
2 x (12 ft • lbs)

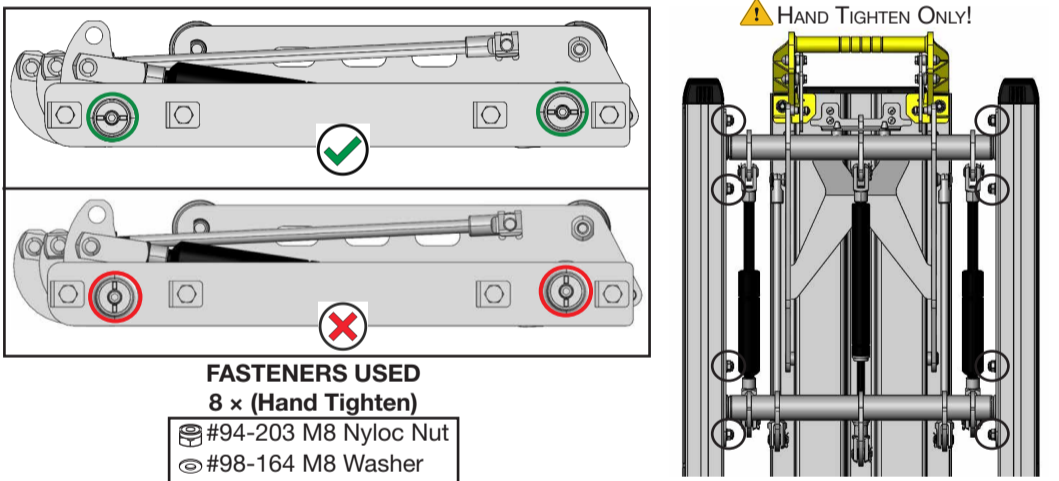
- #98-182 Split washer
- #90-003 Allen Socket Bolt

STEP 1 - MAIN ROLLER MECHANISM INSTALLATION

A Insert the main roller into the extrusion. Slide the main roller to the end until you hear a clicking sound.



B Turn the shaft locking tab horizontally on both sides, then install both side rails to the main roller. Use the preinstalled hardware to mount to the main roller assembly and secure using specified hardware.

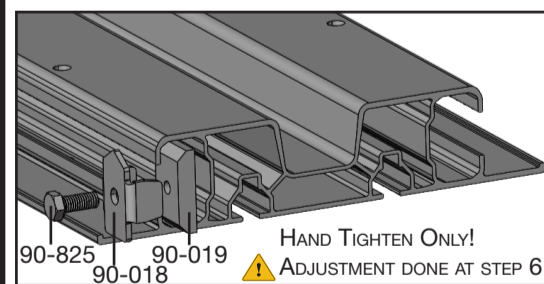


FASTENERS USED
8 x (Hand Tighten)

- #94-203 M8 Nyloc Nut
- #98-164 M8 Washer

STEP 3 - HEIGHT STOPPER AND RACK KIT MOUNT INSTALLATION

A Slide in the stopper hardware on the side of the main extrusion with the ruler sticker. Hand tighten only.

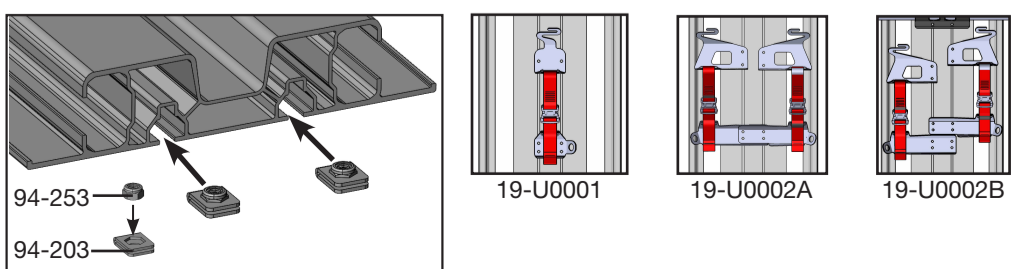


B Place the slider hardware as shown. Insert equal amount of sliders per channel. For example, if a total of 16 required, place 8 in each channel. These will be used in later in steps 2, 3 and 5 of the mounting kit. (Box 19-U0001 or 19-U0002)

FASTENERS USED

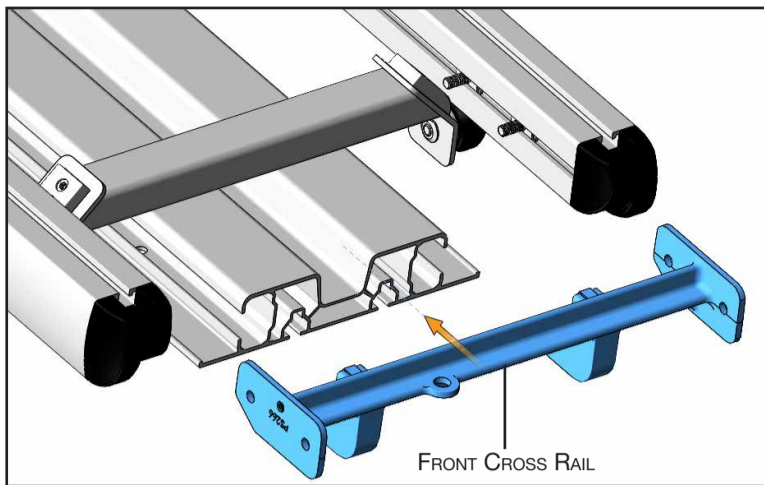
- #94-203 M8 Nyloc Nut
- #94-253 Slider

Mounting Kit	Description	Total Qty.
19-U0001	SINGLE LADDER KIT	16
19-U0002A	DUAL EQUAL LADDER LENGTHS KIT	20
19-U0002B	DUAL DIFFERENT LADDER LENGTHS KIT	24

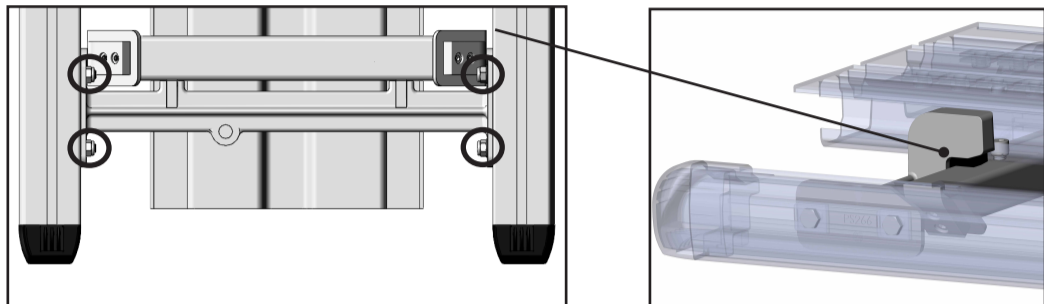


STEP 4 - FRONT CROSS RAIL INSTALLATION

Nest the front cross rail into the roller. Use the preinstalled hardware to mount the cross rail and the provided washers and nuts to fasten.

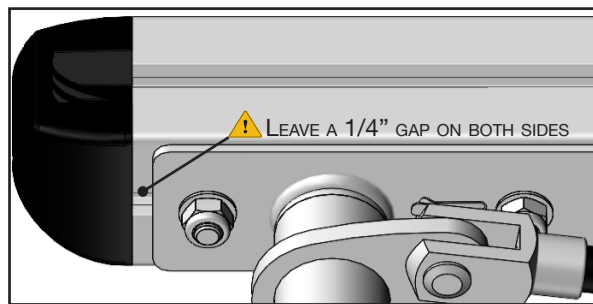


FASTENERS USED
 4 x (12 ft • lbs)
 #94-203 M8 Nyloc Nut
 #98-164 M8 washer

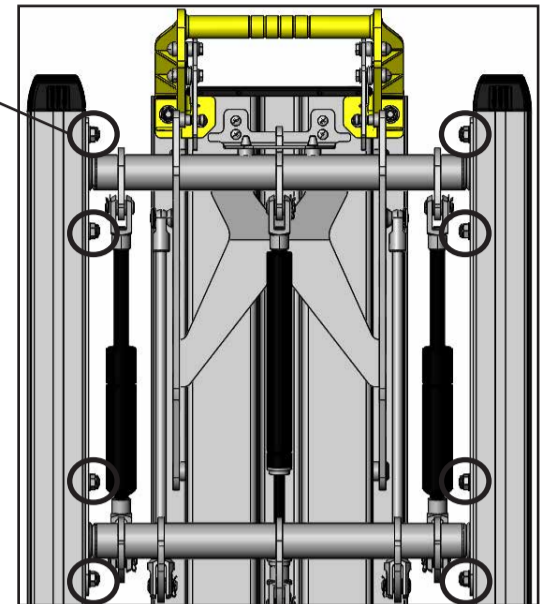


STEP 5 - SECURING SIDE RAILS TO MECHANISM

Leave a 1/4" gap and tighten the bolts.



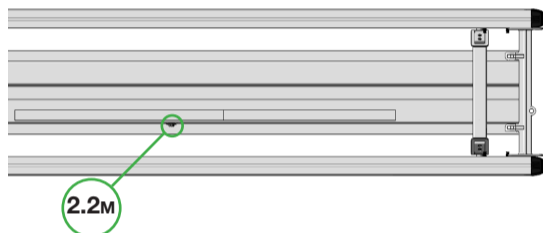
Tighten to 12 ft • lbs



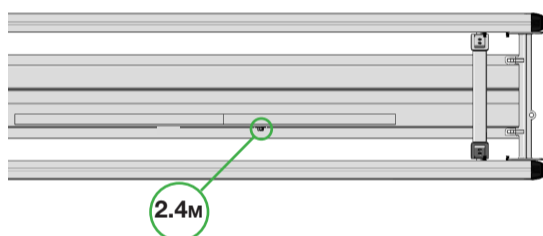
STEP 6 - HEIGHT STOPPER ADJUSTMENT

Adjust the height stopper to the required measurements. See image guide below for reference. Tighten to 12ft.lbs

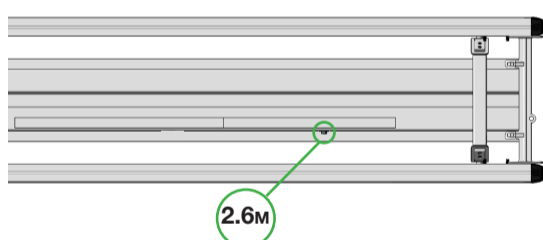
Transit Low Roof



RAM PROMASTER & TRANSIT MEDIUM ROOF



SPRINTER, TRANSIT HIGH ROOF & NISSAN NV

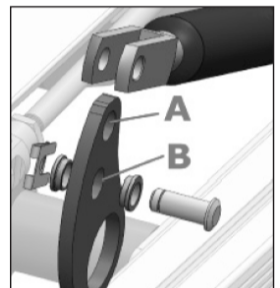


GAS SHOCK ADJUSTMENT REFERENCE

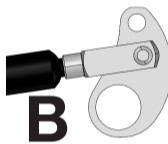
Transit Low Roof



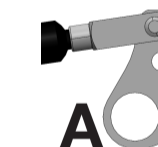
LOW ROOF REQUIRES ONLY ONE GAS SHOCK. UNINSTALL THE RIGHTMOST GAS SHOCK COMPLETELY.



RAM PROMASTER & FORD TRANSIT MEDIUM ROOF

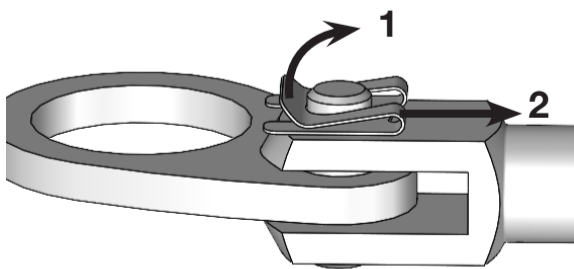


SPRINTER, TRANSIT HIGH ROOF & NISSAN NV

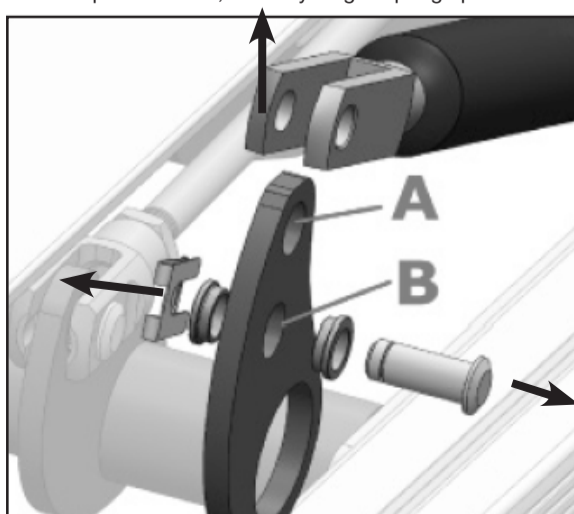


STEP 7 - GAS SHOCK REMOVAL INSTRUCTION

Lift the tab lock using the flathead screwdriver and slide it out to release lock.



Pull pin out. Then, carefully lift gas spring up. Make sure to secure the washers from falling.



*Spare hardware can be found in box 19-U0001 or 19-U0002.

STEP 8 - INSTALL FRONT EXTRUSION COVER

Install end-cap using rubber mallet.



"You have successfully installed your Access Stow, thank you for doing Business with us."

For any feedback or suggestions, you may have, please contact: cs@rangerdesign.com



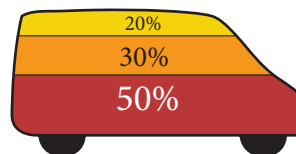
BEFORE YOU BEGIN

READ, UNDERSTAND, AND FOLLOW ALL WARNINGS AND INSTRUCTIONS BEFORE USING THIS PRODUCT. FAILURE TO FOLLOW THESE DIRECTIONS MAY RESULT IN PROPERTY DAMAGE, SERIOUS BODILY INJURY, AND/OR DEATH. RANGER DESIGN IS NOT RESPONSIBLE FOR ANY PROPERTY DAMAGE, PERSONAL INJURY, OR DEATH THAT OCCURRED WHILE USING ANY RANGER DESIGN PRODUCTS.



WARNING

- Failure to use Ranger Design-provided fasteners, brackets, and proper installation guidelines could increase risk of serious personal injury and/or death.
- If drilling is required to complete this installation: improper drilling can cause property damage to vehicles and could lead to electric shock, fire, or even death.
- If drilling is required to complete this installation: Ensure that drilling is only performed on areas of the vehicle allowed by the vehicle's Original Equipment Manufacturer's Body Builders Layout Book (or equivalent document).
- Prior to installation, inspect the vehicle to ensure that installation will not interfere with, or cause obstruction of, any critical components such as electrical wiring, fuel tanks, fuel-cells, locks, latches, etc.
- The installer or manufacturer is responsible for ensuring anchorages are installed onto suitable wall and floor structures; wall and floor strength must meet applicable performance requirements.
- Do not install systems into any weak or unsound materials such as plastics, woods, thin-walled metals, etc. without proper reinforcement.
- Do not install this product where it could interfere with the deployment of airbags. Failure to comply could result in death or serious injury.
- Incorrect installation could cause water leaks, electric shock or fire.
- Any cargo vehicle with any cargo or equipment should use a certified partition. See Ranger Design website for some partition options. (<https://rangerdesign.com/>)
- Mountings rails are recommended for any attachment to the vehicle walls.
- All items in the cargo area should be properly secured and partition doors closed while the vehicle is in motion.
- Check your vehicle's tare weight and remaining load capacity with all the equipment installed. Never exceed the maximum Gross Vehicle Weight Rating (GVWR), Gross Axle Weight Ratings (GAWRs), or other maximum loads permitted by the vehicle's Original Equipment Manufacturer (OEM) and required by law.
- The heaviest items must be placed towards the bottom of the vehicle, while the lightest ones can be arranged upwards. Vehicle cargo loading weight proportion should follow the following guidelines:



- The final alterer and/ or modifier should review the warning sheet with the customer before the vehicle is released to the customer or for general use. These instructions should remain with the vehicles a all times.
- Any modification or unintended use of this product voids any warranty and could create a hazardous condition.
- Ranger Design provides recommended assembly and installation instructions which should be followed to ensure correct operation. Failure to do so could result in invalidating the product's compliance, warranty and cause injury. Notwithstanding, the final stage vehicle alterer and/or modifier is responsible for the integration, installation, and compliance of the product in its final location to all applicable regulations and standards. Failure to maintain compliance of the vehicle to applicable regulations and standards could be punishable by law. Alterers and/or modifiers should consult with all local authorities prior to commissioning.



CAUTION

- If drilling is required to complete this installation. Before drilling, ensure that you will not hit any critical parts of the vehicle like the gas tank, wiring harness, or hose. Consult the vehicle OEM documentation as necessary. When drilling, use a drill collar to reduce the risk of damage to the vehicle.
- Any materials, padding, or glazing installed in the vehicle must comply with FMVSS/CMVSS 201/205/302, as applicable.
- In the event of a motor vehicle accident or collision where a Ranger Design system has been installed, especially ones where the vehicle structure is damaged and/or the air bags deploy and/or the vehicle has been towed, the system must be inspected to ensure continued soundness and safety before returning the vehicle to service. Damaged components should be replaced as necessary.
- All system components should be regularly inspected, cleaned, and maintained pursuant to Ranger guidelines.