



MAX RACK OPERATOR'S MANUAL



CONTACT US

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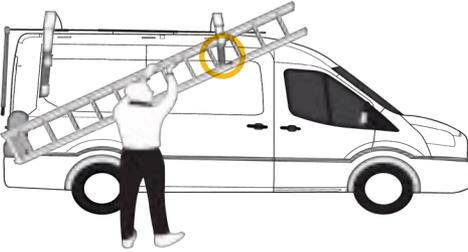
MAX RACK

LOADING INSTRUCTIONS

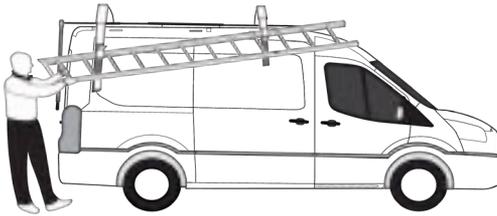
RANGER
DESIGN



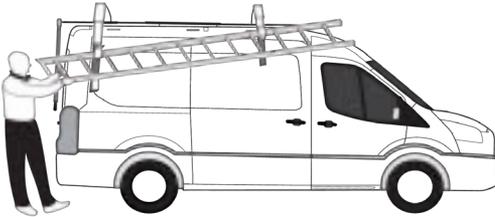
Rung locator sticker.



- 1** Load ladder on front hook (Sticker can be applied for easy reference).



- 2** Lift the ladder from the rear and push the ladder forward.



- 3** Place the rear of the ladder between the rear hook and anti-theft.

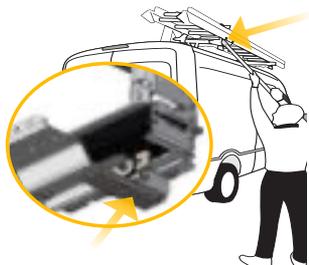
- 4** Squeeze the anti-theft handle. Then rotate it upwards and release handle to lock the ladder in place.



MAX RACK

OPERATING INSTRUCTIONS

LOWER LADDER



1 Ensure side and rear van doors are closed before operating the rack.

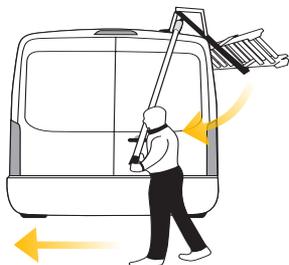
2 Release positive lock before operating the rack.



3 With both hands, insert the handle into the Max Rack and turn to secure.

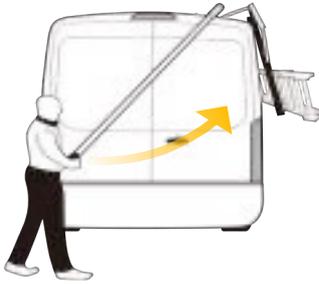


4 Pull the handle down towards you.



5 Turn around. Push the handle forward. Continue to push the handle until the Max Rack has finished its descent.

RAISE LADDER



- 1 Push the handle, don't pull it. Stop pushing once the mechanism engages. Ensure that ladder rack locks in up position.

MAX RACK

LADDER RACK SECURITY

PADLOCK SETUP

The Max Rack comes with anti-theft measures in mind. On top of removing the handle from the Max Rack after use, there is also an option to insert a padlock in one of the marked holes below.

- 1 Secure the Max Rack, with the handle in the up/closed position, using a lock of choice.

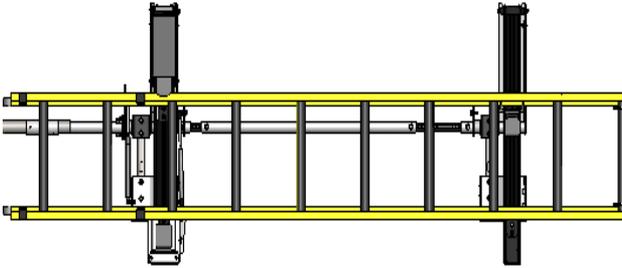


MAX RACK

LADDER ALIGNMENT

Below, both pictures show how to align the ladder on the Max Rack. Ensure that the ladder is towards the outside of the vehicle.

REAR



FRONT

For an extension ladder, ensure that the frame is parallel to the center tube with the feet facing the rear of the vehicle.

REAR



FRONT

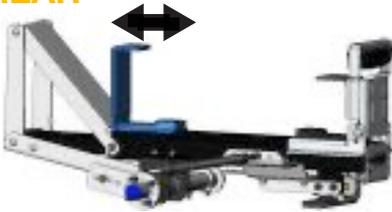
For a step ladder, ensure the part of the frame towards the inside of the vehicle is parallel with the center tube. Adjust the Max Rack accordingly.

MAX RACK

HOOK ADJUSTMENT & SECURING LADDER

Ensure the ladder is secured by the front and rear hooks to avoid excessive movement (no more than 1/4" play). Adjustments may be required depending on the ladder type and size. Follow the steps below to appropriately setup the Max Rack.

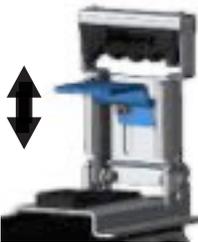
REAR



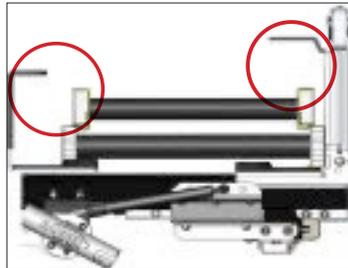
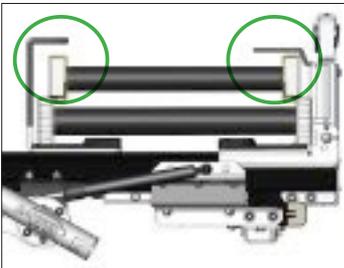
Slide the hook along the mechanism rail.



Slide the handle along the mechanism. The handle can be moved outwards as long as both mounting points remain on the rail.



Slide the handle bracket along the slots.

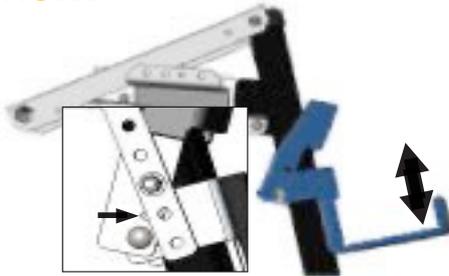


MAX RACK

WARNING

Failing to comply with the hook adjustment settings can result in unrestrained ladder as shown below. In these conditions the ladder can dislodge from the vehicle, causing serious injuries to road user and can be life threatening.

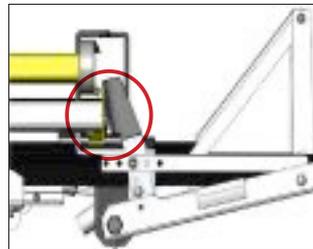
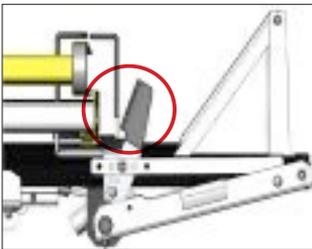
FRONT



In the down position, slide the hook until the hole on the clamp is in line with the hole on the bracket underneath.



Slide plastic pad along the rail to be under ladder frame.



Follow this link for a video on ladder rack setup.

MAX RACK

MAINTENANCE SCHEDULE

WEEKLY



1

INSPECT CYLINDERS FOR OIL OR DIRT ON PISTON.

Wipe the cylinders with a paper to verify for leaks. If there is a leak, your cylinder is failing. Plan for a replacement.

2

OPERATE RACK TO HALFWAY POINT POSITION.

Push ladder and mechanism back onto roof and check for loose or rattling parts.



3

INSPECT INTERLOCKING HOOKS TO ENSURE THEY ARE TIGHT AND DO NOT RATTLE.

Disclaimer: Carrying ladders on your roof can be dangerous. While minimizing the risks is Ranger Design's top priority, ladder rack safety is ultimately the user's responsibility. Regular maintenance can also help prevent accidents and extend the life of your rack and ladders.

MAX RACK

MAINTENANCE SCHEDULE

MONTHLY



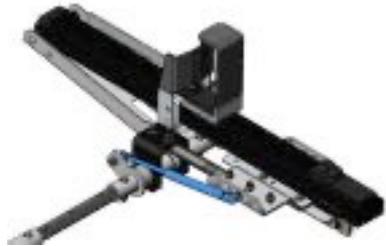
1

INSPECT BOLTS AND NUTS ON THE SHAFT AND FRAME. TIGHTEN IF LOOSE.

2

INSPECT CYLINDERS, FOUND ON THE FRONT AND REAR MECHANISMS.

Check for leaks and tighten nuts if loose.



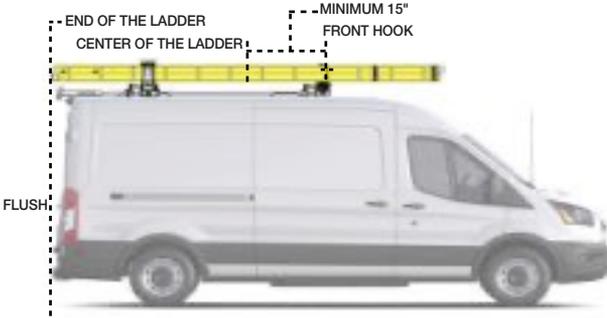
3

INSPECT ELBOW FOR ANY CRACK AND ENSURE THE SLEEVE RESTS FLUSH TO THE PIPE KEEPING THE PIN KEY IN PLACE.



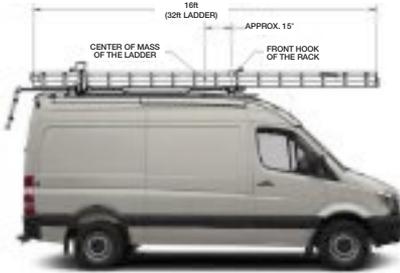
MAX RACK

MAXIMUM LADDER LENGTH



Ensure the arm socket and the ladder do not extend beyond the rear bumper of the vehicle.

The center of the ladder must be minimum 15" behind the front hook when the ladder is loaded.



VEHICLE MODEL (RACK MODEL SHOWN)	MAXIMUM LADDER LENGTH
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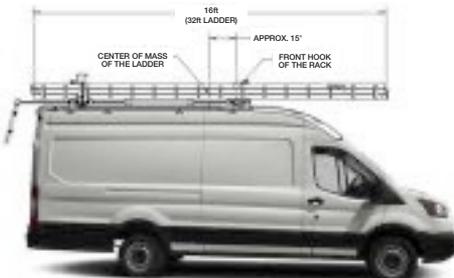
MERCEDES
SPRINTER
(1880-DH)

32ft



FORD
TRANSIT
REGULAR WHEELBASE
(1880-FTR)

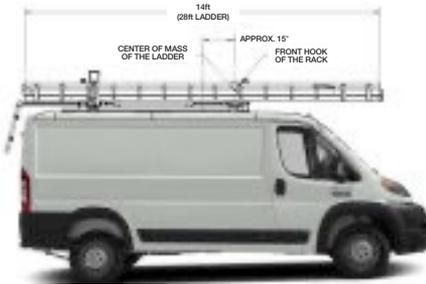
24ft



FORD
TRANSIT
LONG/EXTENDED
WHEELBASE
(1880-FTL)

32ft

MAXIMUM WEIGHT CAPACITY PER SINGLE MAX RACK IS 100LBS.

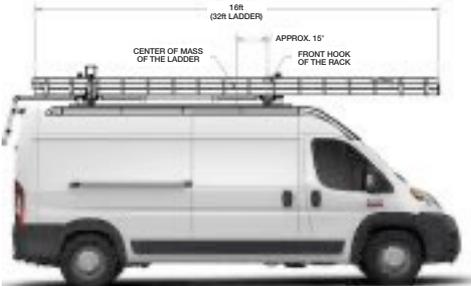


VEHICLE MODEL
(RACK MODEL SHOWN)

MAXIMUM
LADDER LENGTH

RAM
PROMASTER
118" WHEELBASE
(1880-PHS)

28ft



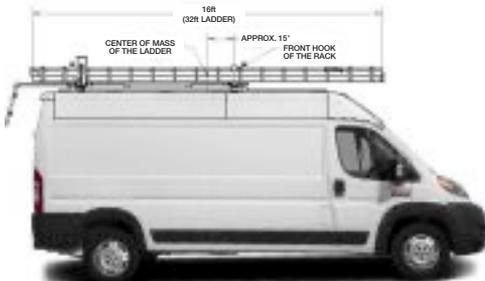
RAM
PROMASTER
136" WHEELBASE
(1880-PHM)

32ft



RAM
PROMASTER
159" WHEELBASE
(1880-PHL)

32ft



RAM
PROMASTER
159" EXTENDED WHEELBASE
(1880-PHX)

32ft