



US RACK, Inc.

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INSTRUCTIONS and USAGE GUIDE for ATLAS TRUCK RACK

WARNING: Do NOT attempt to install or use this rack without following all instructions.

SPECIFICATIONS and SAFE LOADING REQUIREMENTS

These instructions are intended for use with the U.S. Rack ATLAS TRUCK RACK. This model rack is designed to carry ladders, boats, canoes, kayaks, lumber, or other cargo not exceeding 2,000 lbs. of distributed load or the maximum strength of the bedrails and headrail of the truck, whichever is less.

This truck rack is designed to carry loads, which are spread across the width of each crossbar and shared between the three crossbars. It is not designed to carry loads where a force of over 250 lbs. is concentrated on any space less than 12 inches wide on any crossbar or where a load in excess of 850 lbs is applied to either crossbar over the bed or over 300 lbs on the crossbar over the cab. This product is NOT warranted for use off-road or on unimproved or poorly maintained or bumpy roads. All loads must be tied down securely to the rack to prevent them from vibrating or sliding forward, backward, laterally or being blown off or broken by wind. The manufacturer does NOT warrant any automotive product and does not warrant truck bed rails against damage caused by the weight of excessive loads being applied to them when the rack is installed on a vehicle. **The manufacturer is not responsible for injury or property damage resulting from the rack being improperly installed or improperly loaded, nor is it responsible for injury or property damage resulting from loads or parts of loads falling or being blown off a vehicle.** Loads extending beyond the rear bumper of the vehicle must be designated with a red flag during daylight or red light during darkness in accordance with the state vehicle code.

BE SAFE: Carrying any load can be hazardous. Make sure all parts of all loads are securely tied down against unexpected winds and vibrations caused by road hazards such as potholes. To ensure safety check all connections for tightness daily and each time you install or load your rack. To avoid roll over ensure that loads are not top-heavy. High loads must be transported with GREAT CAUTION to prevent loads from striking low overhead objects and from tipping during turns, abrupt stops, or high winds

WARRANTY

This product is warranted for a period of one year against all structural defects in materials and workmanship provided that they are assembled, installed, and used in accordance with all manufacturer's specifications and instructions. The manufacturer **cannot warrant the powder-coating** on its products. Normal use of any powder-coated rack and exposure to weather can result in scratching of the surface, exposing metal below; therefore, maintenance on your rack will be required. To prevent rust, spot paint any scratches or breaks in the surface with a high quality metal paint. **Merchandise must be returned in the original box and packaging.** See return policies and procedures at http://www.usrack.com/merchandise_return_policy.php

ATLAS PARTS

- A. BASE RAIL of frame
- B. FRONT STANCHION of frame
- C. TRUSS RAIL of frame
- D. FRONT CROSSBAR
- E. SPOILER (optional)
- F. HEADRAIL CROSSBAR
- G. HEADRAIL ANGLE
- H. REAR STANCHION
- I. REAR CROSSBAR
- J. TAILGATE BAR
- K. CLAMP BOTTOMS (x6)
- L. CLAMP HOUSING
- M. DOWEL PINS (x2)
- N. RETAINING CLIPS (x2)
- O. MOORING EYE

Additional Hardware:

3/8-16 x 2" Button Head Cap Screws (x6), Nylon washers (x6), Metal washers (x8), Nylon Lock Nuts (x2), Allen wrench

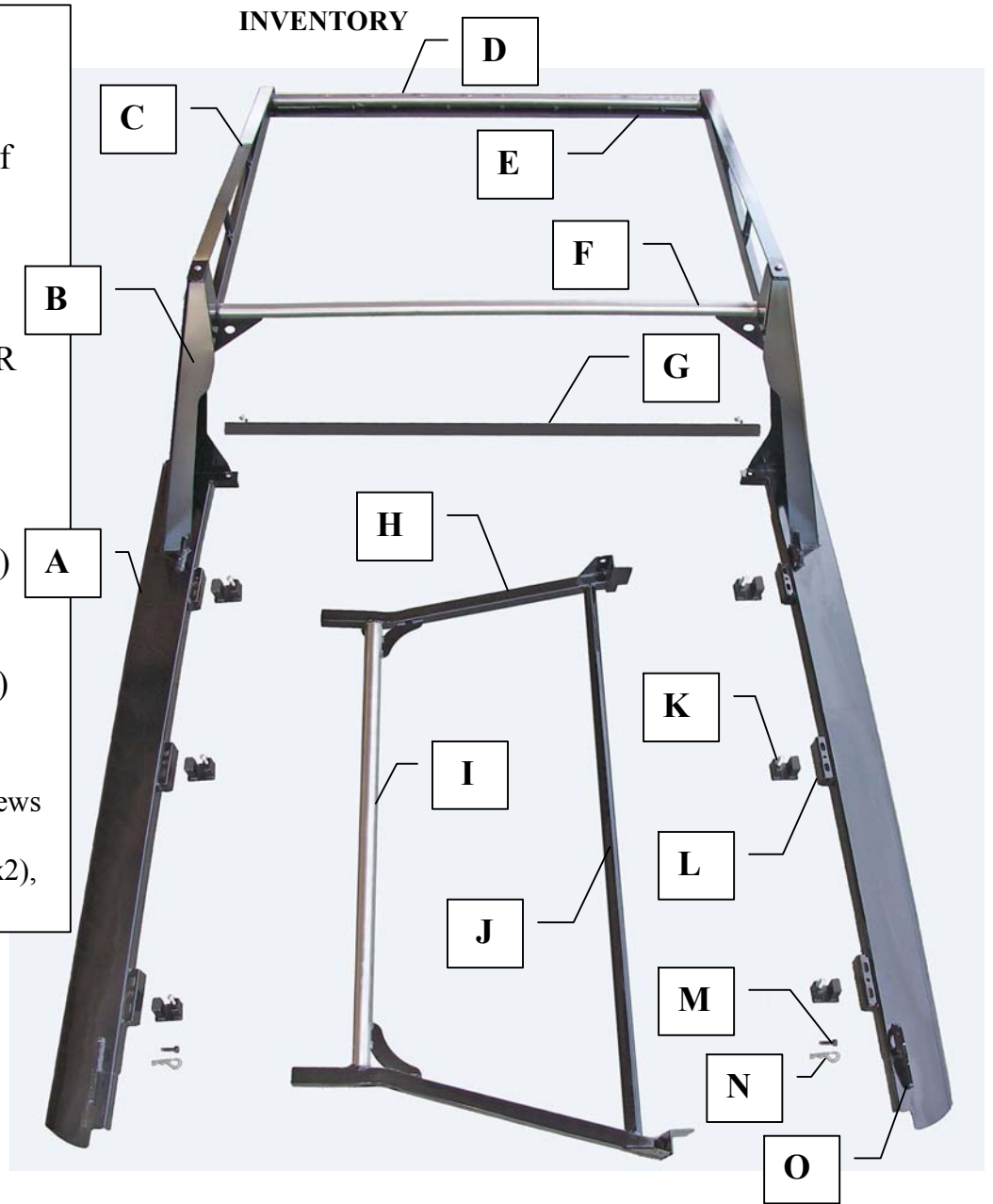


FIG. 1

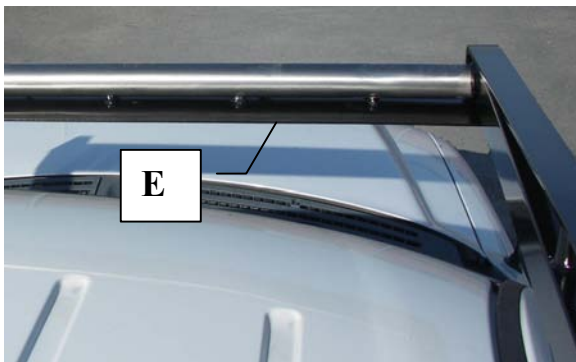


Fig. 2

Top View of Optional Spoiler

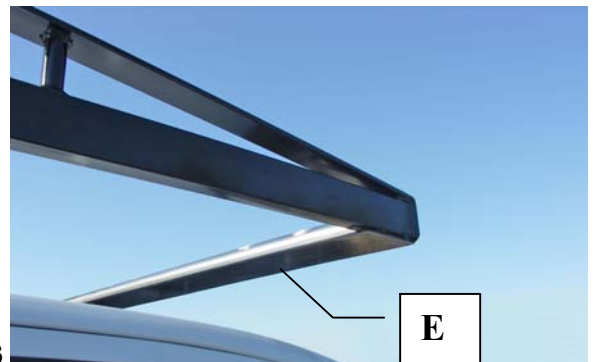


Fig. 3

Bottom View of Optional Spoiler

ASSEMBLY AND INSTALLATION

Read ALL instructions through once BEFORE you do anything!



IMPORTANT: APPLY AN ANTI-SEIZE LUBRICANT SUCH AS FINISH LINE Ti-PREP TO ALL SCREWS BEFORE ASSEMBLY TO PREVENT THEM FROM SEIZING-UP DURING ASSEMBLY OR DISASSEMBLY. (SMALL TUBE INCLUDED)

1. Uncrate or unwrap the rack, separate all pieces, and insure that all items listed in the inventory list below are present. Read all instructions prior to beginning assembly of any part of it.
2. The Atlas rack has a number of options. Check to see if you purchased those options. These options included a Spoiler on the front crossbar, and a Headrail Angle. The Headrail Angle may be a separate piece which is connected with two metal washers and nylon lock nuts or it may be welded in place.
3. The Spoiler is shown in Figs. 2 and 3 above.
4. The optional Headrail Angle is shown in Fig. 1. If it is not already welded in place, it should be attached **BEFORE** mounting the rack on your truck. To install it, insert the threaded lugs on the rail through the holes in the frame of the rack as shown in the Fig. 4. Place a metal washer over each lug and screw a nylon lock nut in place, but don't fully tighten.
5. Remove the rear crossbar and stanchion to make the rack lighter and then with adequate help from others, lift it up onto the bedrails of the truck. Move the rack fully forward so that the Baseraills of the rack correspond with the bedrails of the truck and it is possible to close the tailgate of the truck.

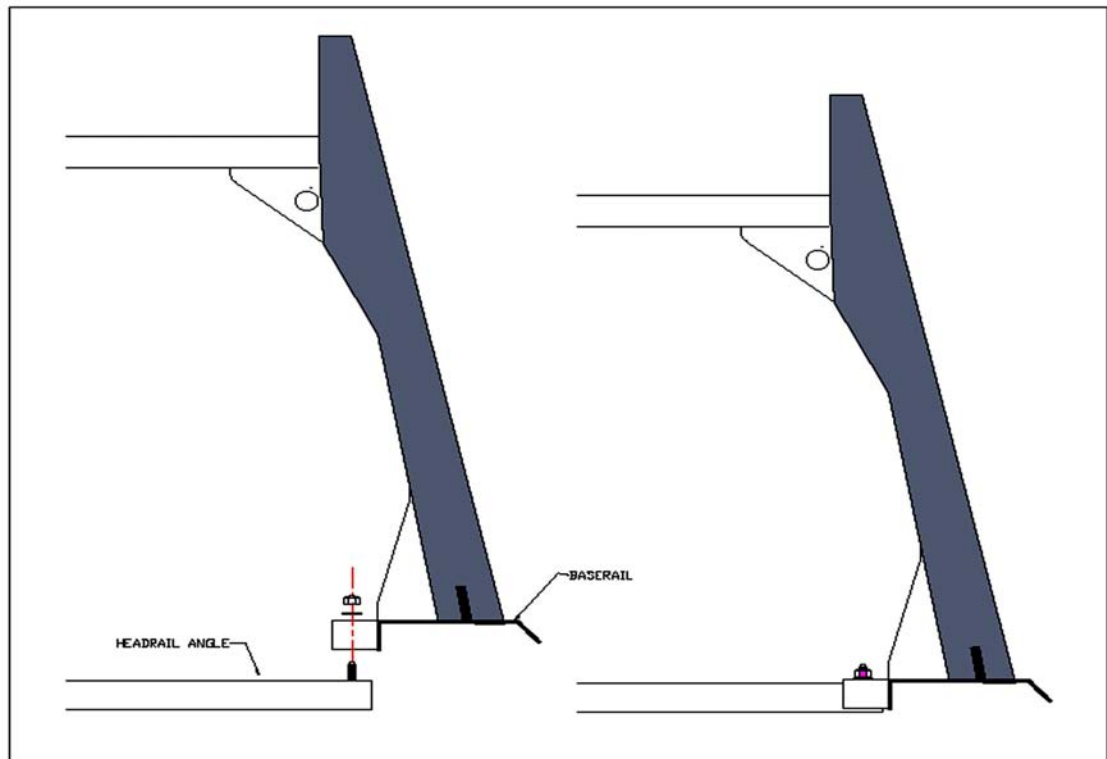


FIG. 4

6. As shown in Figs. 4 thru 7, insert a Clamp Bottom into each Clamp Housing, making sure that the portion of the clamp with the rubber nub extends up behind the lip of the truck bedrail. After applying anti-seize lubricant on the screws, insert a button-head cap screw down through any of the openings in the top of the housing and engage the threaded portion of the clamp. Use the Allen wrench to tighten the screw and draw the Clamp Button up into the housing. After you have pulled it up just a half inch inside the Housing, stop tightening. Install the remaining clamps and then come back and tighten them all one at a time. Tighten them hand tight but no so tight that you damage the treads.



Fig. 5



Fig. 6



Fig. 7



Fig. 8

USING YOUR RACK

- When stowed, the Rear Crossbar can be hung from the Crossbar at the front of the bed as in Figs. 9 and 10.



FIG. 9

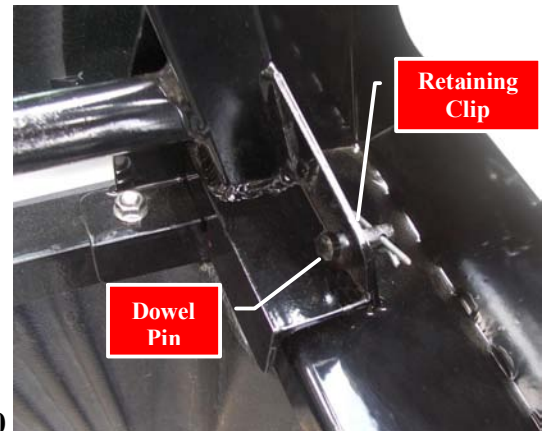


Fig. 10

- To deploy the Rear Crossbar lower the tailgate of the truck and step up into the bed. Remove the Retaining Clip and Dowel Pin on the passenger side of the rack. As shown in Figs. 11 thru 16 lift the Crossbar and place it on the Base Rails just behind the Rear Tie-down Eyes. Slide it forward so that the bottom of each stanchion slides into the slot at the bottom of the Mooring Eyes. Align the small hole in each Mooring Eye with the hole in each stanchion. Insert a Dowel Pin through each hole and attach Retaining Clips to prevent the Dowel Pins from slipping out. When completed, the rack should appear as in Fig. 17.



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16

9. **WARNING:** The Rear Crossbar is designed to support heavy vertical loads but more limited horizontal forces. It is important that loads are tied securely down to the very stable front stanchion so that excessive horizontal forces are not applied against the rear section of the rack when the truck is on a grade, is accelerating or slamming on the brakes in an emergency.



Fig. 17