



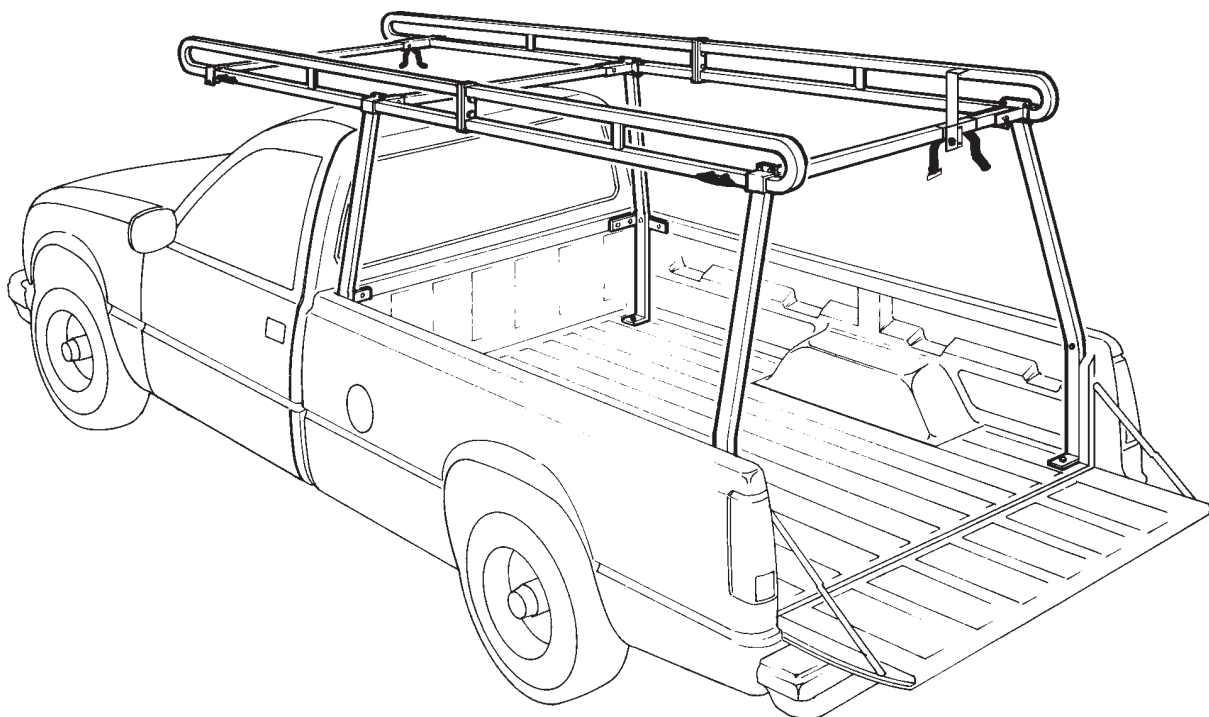
TRUCK STORAGE SOLUTIONS
SECURING YOUR REPUTATION®

INSTALLATION MANUAL

FULL SIZE LADDER RACK

ATTENTION: PLEASE READ AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS BEFORE ASSEMBLING, INSTALLING OR USING THIS PRODUCT.

MODELS 1245 – Full Size Short Bed Trucks 1275 – Full Size Long Bed Trucks



⚠ NOTICE

Use specific aluminum upfit components when installing WEATHER GUARD® products to aluminum truck beds. Follow additional instructions if mounting to an aluminum truck bed. There may be left over components depending on upfit.

Any modification or unintended use of this product shall immediately void all manufacturers warranties. Manufacturer disclaims all liability for injuries to persons or property resulting from any modification to, or unintended use of this product.

⚠ DANGER

Danger of explosion. Do not use this product for storing or transporting flammables, explosives, hazardous materials, or hazardous waste, such as containers of gasoline, solvents, gun powder, dynamite, propane tanks, acetylene tanks and cutting torches.

⚠ CAUTION

To keep debris out of your eyes when checking the underside of the vehicle, or when drilling, always wear protective eyewear. Never load your rack to exceed the safe rated capacity of your vehicle. Heavy loads carried high can dangerously alter the center of gravity.

⚠ WARNING




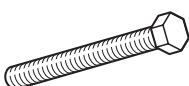










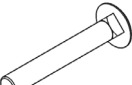


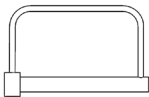



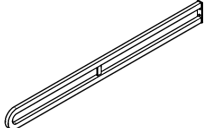
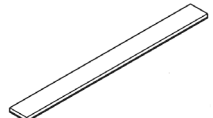
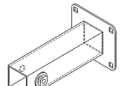
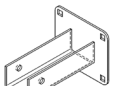
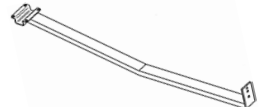


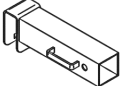

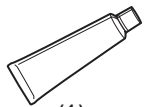
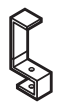

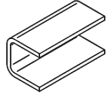
Prior to drilling, so as not to cut or puncture fuel tanks, fuel lines, electric wires, etc., check under vehicle for locations. All floor mounting bolts near the gas tank area should be installed from the underside of the vehicle, to guard against the gas tank being punctured in the event of a collision. This would mean not using Blind Fastener in this area. Holes drilled in this area should be 3/8".

Ladders must be secured per ANSI standard A142.2-1990 paragraph 8.4.4. Ladder damage will occur from road shock and vehicle vibration if the ladder is not properly secured to the ladder rack. Bouncing and side to side motion of a improperly secured ladder will cause wear and weaken the ladder. Using a damaged ladder could lead to a structural collapse and could result in a serious injury or death. This product is only intended for, and only safe for, transporting ladders, lumber, pipe and other similar materials. It is the responsibility of the user to secure these materials to the rack before transporting. Any modifications made to this product, or use of this product for any other purpose than its intended use, could create a hazardous condition that can cause serious personal injury or property damage. This product is only intended and safe for use in storing and transporting small tools, equipment and other similar materials. Any modifications made to, or unintended use of this product, could create a hazardous condition that can cause death, serious personal injury or property damage.




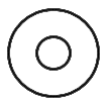
TOOLS REQUIRED

- Electric Drill
- Drill Bits - 5/16", 3/8" & 1/2"
- Open or Box End Wrench 3/8", (2) 1/2", (2) 9/16"
- Screwdriver (common)
- Framing Square
- Pencil/Marker

PARTS LIST

 (12) 5/16-18 x 1-1/4" Hex Head Bolt	 (4) 5/16-18 x 2" Hex Head Bolt	 (2) 5/16-18 x 2-3/4" Hex Head Bolt	 (2) 5/16-18 x 2-1/4" Black Oxide Bolt	 (14) 5/16" Lock Washer
 (1) Installation Tool	 (14) 5/16-18 Blind Fastener	 (4) 3/8-16 Nylon Lock Nut	 (8) 10-24 Nylon Lock Nut	 (20) 5/16-18 Nylon Lock Nut
 (4) 3/8" Flat Washer	 (34) 5/16" Flat Washer	 (16) 5/16-18 x 3/4" Carriage Bolt	 (4) 3/8-16 x 1-1/4" Carriage Bolt	 (2) 5/16-18 x 2" Carriage Bolt
 (4) 3/8-16 x 3/4" Hex Head Thread Cutting Bolt	 (4) 5/16 x 2" Black Oxide Flat Washer	 (2) 5/16 x 2-3/4" Latch Pins	 (4) Black Tie Downs	 (8) 10-24 x 2-3/4" Flat Head Screws
 (2) Square Cap Plugs (black)	 (4) Top Rail Halves	 Cushion Strip (bulk)	 (2) Closed Top Tube Sleeves	 (2) Open Top Tube Sleeves
 (4) Legs	 (2) Crossmembers (open ends)	 (1) Front Crossmember	 (1) Front Crossmember Sleeve	 (2) Bed Reinforcing Bracket
 (1) Silicone Sealant Tube	 (1) Ladder Stop	 (2) Ladder Strap	 (2) Front Leg Spacer	

ALUMINUM BED UPFIT KIT PARTS LIST - 32-0244

 (4) Vinyl Tape	 (1) Zinc Rich Primer	 (28) 1/2" x 1" Plastic Washer	 (4) 11/32" x 7/8" Plastic Washer	
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BLIND FASTENER INSTALLATION

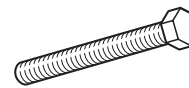
Place a drop of oil on black oxide bolt for lubrication before assembling.

Place the Blind Fastener in the hole and use 1/2" or 7/16" wrench to tighten black oxide bolt until fastener is fully seated (it will start out hard and get easier as fastener "bulbs" out).

Make sure the Blind Fastener and Installation Tool do not turn during installation.

ALUMINUM TRUCK BED INSTALLATION

Coat drilled holes with Zinc Rich Primer. Insert Blind Fastener through one 1/2" x 1" plastic washer. Insert Blind Fastener into drilled hole. Place second 1/2" x 1" plastic washer through the bottom of the Blind Fastener. Continue following installation instructions above to install Blind Fasteners.



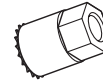
Black Oxide Bolt



Flat Washer



9/16" Wrench



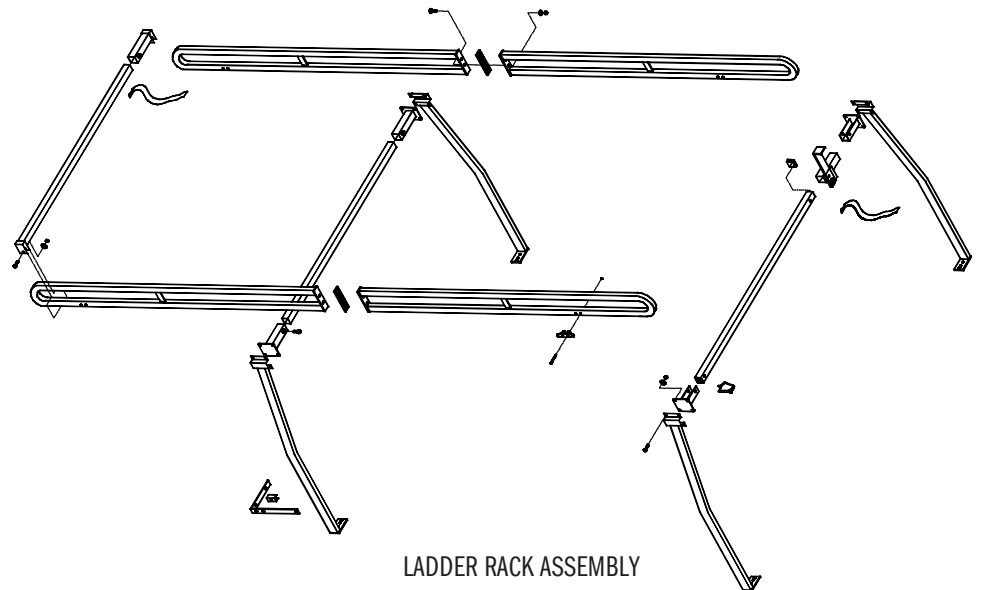
Installation Tool



Blind Fastener

INSTALLATION INSTRUCTION

- Note:**
- If your truck bed is constructed of aluminum, use zinc rich primer to coat drilled holes.
 - Some vehicle manufacturers require a manufacturer supplied after market reinforcing kit be installed prior to mounting any kind of ladder rack or truck box on your vehicle. Kits can be purchased from your local vehicle dealership. Contact your local dealer to see if your vehicle is affected.



STEP 1 Bolting

Bolt front and rear rail halves together (two bolts per rail)

3/8-16
Nylon Lock Nut

3/8"
Flat Washer

3/8-16 x 1-1/4"
Carriage Bolt

Cushion Strip

STEP 2 Attachment

Attach all legs and sockets. Do not tighten.
(Four bolts required per leg)

5/16-18 x 3/4"
Carriage Bolt

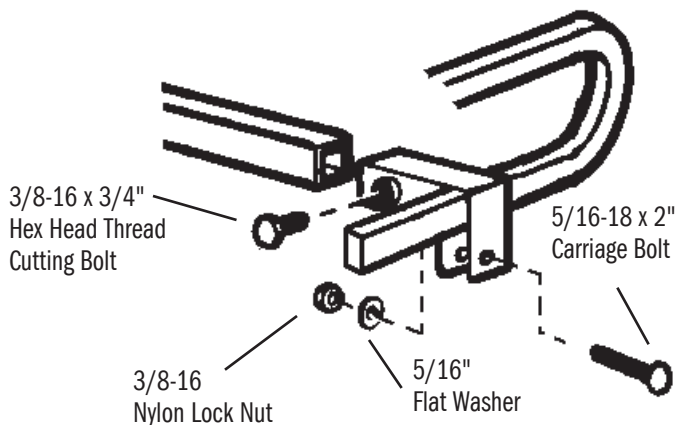
5/16"
Flat Washer

3/8-16 x 3/4"
Hex Head Thread
Cutting Bolt

5/16-18
Nylon Lock Nut

STEP 3 Assemble Front Crossmember

Turn crossmember upside down for clearance on king cabs.

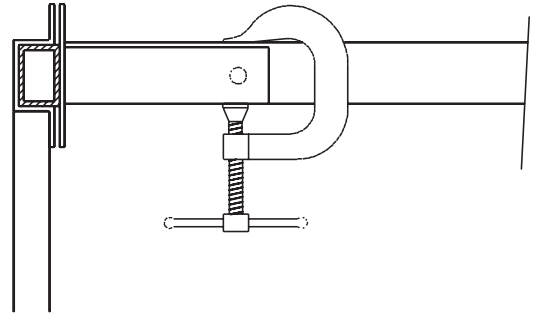


STEP 4 Measurements

Check width of rack and truck bed. If rack is narrower, clamp rear crossmember in rear open sockets temporarily, but DO NOT drill, proceed to Step 5. If the rack is too wide, remove rear cross-member and cut to fit.

NOTE:

Double check all measurements before cutting.

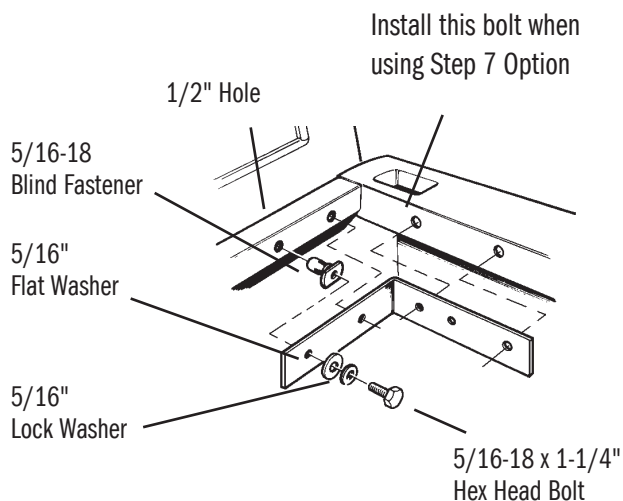


STEP 5 Bed Reinforcing Brackets

If the manufacturer's reinforcing kit is not required on your vehicle, install two bed reinforcing brackets.

ALUMINUM TRUCK BED INSTALLATION:

Follow additional instructions if mounting to an aluminum truck bed as explained in the Blind Fastener Installation on page 3.

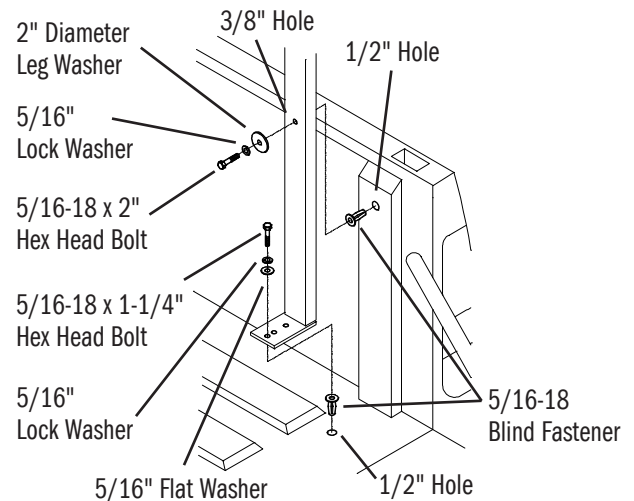


STEP 6 Rear Leg Installation

For maximum strength, the rear legs must be bolted to the tailgate stops (as shown).

ALUMINUM TRUCK BED INSTALLATION:

Follow additional instructions if mounting to an aluminum truck bed as explained in the Blind Fastener Installation on page 3.

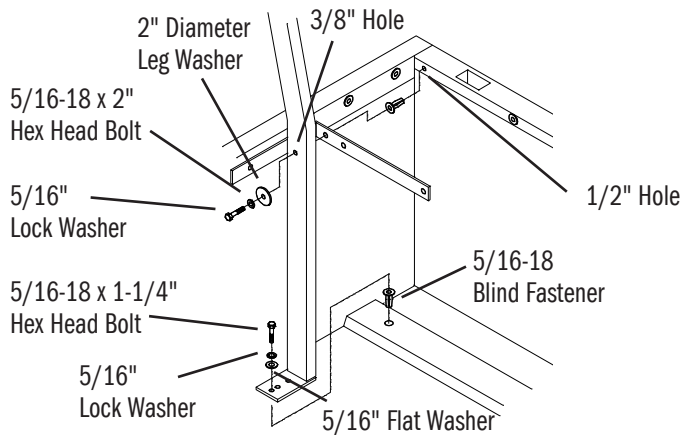


A) Before drilling leg mounting holes, use a framing square to insure accuracy of alignment.

B) Fasten leg to floor and leg to side.

STEP 7 Front Leg Installation

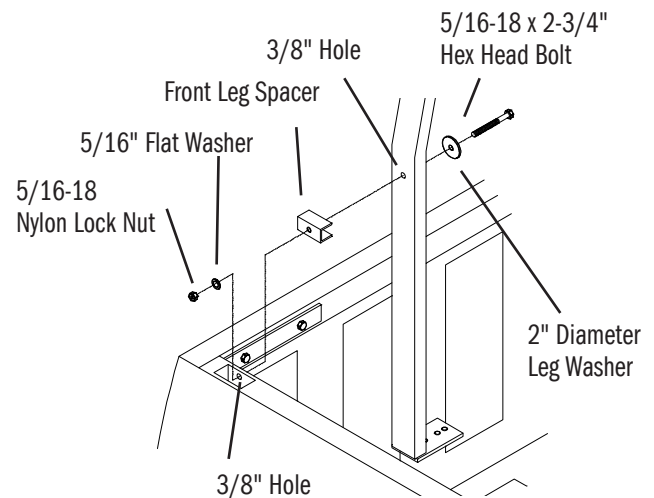
(See STEP 7 OPTION for installation due to obstructions in the bed floor).



STEP 7 OPTION Front Leg Spacers are Provided

ALUMINUM TRUCK BED INSTALLATION:

Follow additional instructions if mounting to an aluminum truck bed as explained in the Blind Fastener Installation on page 3. Use one 11/32" x 7/8" plastic washer as a barrier between the flat washer and the truck bed.



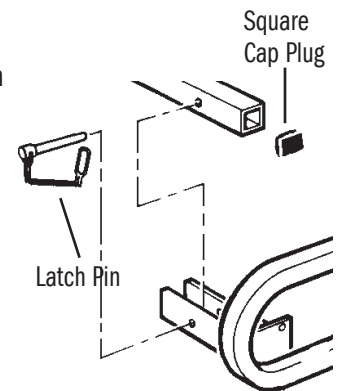
STEP 8 Tightening Fasteners

Tighten all nuts and bolts in the following order:

1. Leg bolts. Tighten evenly so crossmember sleeves stay parallel (Start with rear legs).
2. Top of legs to rails, center and rear. Make sure bolts are evenly tightened.
3. Crossmembers (center and front only).

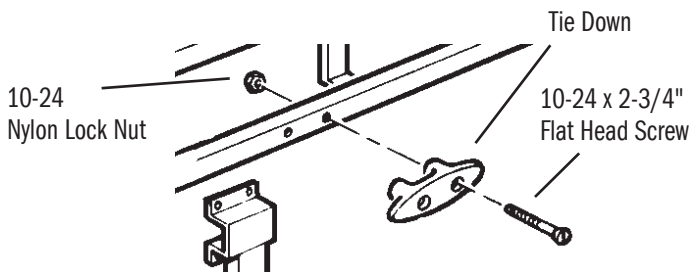
STEP 9 Rear Crossmember

Drill a 3/8" hole through the sleeve and crossmember to accept the insertion of the latch pin. The wire loop of the latch pin swings around the sleeve and over the end of the pin.



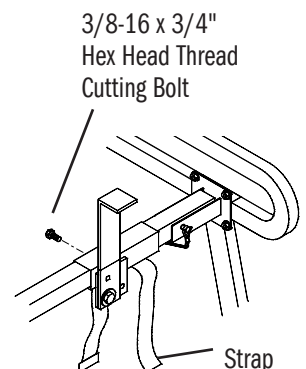
STEP 10 Tie Downs

Install four tie downs where desired. We suggest putting sealant on the back of the tie downs and under nuts before installing.



STEP 11 Ladder Stop

Remove rear crossmember and slide ladder stop onto it. Install crossmember on rack. With a ladder on the rack, locate the ladder stop inside of the ladder and then secure. Insert a strap through the loop on the ladder stop and on the front crossmember socket.



Refer to the warning decal on the Ladder Stop.

STEP 12 Sealant

Seal all nuts, bolts, and crossmember to sleeve seam with sealant.

WARRANTY WILL BE VOID IF SEALANT IS NOT APPLIED TO ALL SEAMS AND CREVICES.

KNAACK LLC LIMITED LIFETIME WARRANTY FOR WEATHER GUARD® PRODUCTS

WEATHER GUARD® Products — Limited Lifetime Warranty (Purchased on or after 1/1/2009)

KNAACK LLC (the “Manufacturer”) warrants to the original purchaser only that WEATHER GUARD® Truck and Van Products (the “WEATHER GUARD® Product”) will be free from defects in material and workmanship from the date of purchase and continuing for the expected lifetime of the WEATHER GUARD® Product. A copy of the original sales receipt must be supplied to the Manufacturer at the time a warranty claim is made. This warranty terminates if the original purchaser transfers the WEATHER GUARD® Product to any other person.

What is Covered

All WEATHER GUARD® Products identified above that are purchased on or after January 1, 2009.

What We Will Do To Correct Problems

Subject to the limitations and exclusions described in this limited warranty, the Manufacturer will remedy defects in materials or workmanship by providing one of the following remedies at its option and without charge to the original purchaser for parts or labor: (a) repairing the defective portion of the WEATHER GUARD® Product or (b) replacing the entire WEATHER GUARD® Product. In addition, the Manufacturer may elect at its option, not to repair or replace the WEATHER GUARD® Product, but rather issue to the original purchaser a refund equal to the purchase price paid for the WEATHER GUARD® Product or a credit to be used toward the purchase of a new WEATHER GUARD® Product.

What is Not Covered

This limited warranty expressly excludes:

- Defects caused by normal wear and tear, cosmetic rust, scratches, accidents, unlawful vehicle operation, or modification to the product, or any types or repair of a WEATHER GUARD® Product other than those authorized or provided by the Manufacturer.
- Defects resulting from conditions beyond the Manufacturer's control including, but not limited to misuse, overloading, or failure to assemble, mount or use the WEATHER GUARD® Product in accordance with the Manufacturer's written instructions or guidelines included with the WEATHER GUARD® Product or made available to the original purchaser.
- Damage to the contents of the box or vehicle.
- TO THE EXTENT PERMITTED BY LAW, IN NO EVENT SHALL THE MANUFACTURER BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES, INCLUDING ANY ECONOMIC LOSS, WHETHER RESULTING FROM NONPERFORMANCE, USE, MISUSE OR INABILITY TO USE THE WEATHER GUARD® PRODUCT OR THE MANUFACTURER'S NEGLIGENCE.

No Other Express Warranty Applies

This Limited Lifetime Warranty is the sole and exclusive warranty for WEATHER GUARD® Products. No employee, agent, dealer, or other person is authorized to alter this warranty or make any other warranty on behalf of KNAACK LLC.

Notification Procedures

If the WEATHER GUARD® Product does not conform with the terms of this limited warranty, the original owner must promptly notify the Manufacturer in writing upon discovery of the nonconformity. In order to receive the remedies under this limited warranty, the warranty claim must describe the nature of the nonconformity, and a copy of the original sales receipt, invoice, bill or other proof of purchase must accompany the claim. Repairs or modifications made to the WEATHER GUARD® Product by other than the Manufacturer or its authorized agent will nullify this limited warranty. Coverage under this limited warranty is conditioned at all times upon the owner's compliance with these required notification and repair procedures. Warranty claims must include reciprocal contact information and may be made via certified mail to:

KNAACK LLC
ATTN: Warranty Claims
420 E. Terra Cotta Avenue
Crystal Lake, IL 60014



If you have any questions,
please call toll free at 1-800-456-7865

WEATHER GUARD® Products are protected by one or more of the following patents or trademarks:

U.S. - 4509787, 842268, 1661625, 1663369, 2228051, 2434963; Canada - 1218968, 282725; U.K. - 1400720; N.Z. - 296049; AUS - 761964. Other patents and trademarks pending.

