



Trailer Manual
2021 Rev. A
UB16' and UB18' Models
Bumper Pull Utility Trailer

To avoid safety issues, please read and understand this manual before operating your trailer. If you have any questions regarding information listed in this manual, please consult your dealer first. Please have the VIN number available for the dealer. Ground Zero Shelters, Co. (Crowline by GZ) will be referred to in this manual as Crowline.

Your VIN number is _____

Date of Purchase _____

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REPORTING SAFETY DEFECTS

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Crowline.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Crowline.

To contact NHTSA, you may either call the Auto Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153), go to <http://www.safecar.gov> or write to: Administrator, NHTSA, 400 7th Street SW, Washington, DC, 20590. You may also obtain other information about motor vehicle safety from www.safecar.gov. Contact Crowline at 580-336-1351 Option 2, or products.crowline@gmail.com.

Warning: Injury, damage, or death can occur if trailer is not inspected properly before use.

TIRE SAFETY:

Inspect each tire before each tow. If there are any signs of wear and tear or defects, replace the tire before towing. If you notice uneven tire wear, check the inflation of the tires. Tire failure may result from improper tire pressure. Please refer to the label on the trailer for recommended cold tire pressure. Inspect tire tread for worn or bald spots. Tread depth should be greater than 1/16th inch at any lowest point. Replace the tire before towing the trailer if the tire treads have less than 1/16th inch depth or the bands are immediately visible.

How To Check Tire Pressure

1. Remove the cap from the air valve on the tire, and place it in a safe location.
2. Press the tire gauge against the open valve stem for a second or two.
3. Read the air pressure gauge.
4. Compare this number with the recommended tire pressure (label). Page 2
5. Replace the tire's air valve cap.

Tire And Loading Information (For Crownline 16' & 18' 7K Bumper Pull Utility Trailers)

Front Tire: ST205/75D15LRC

Rear Tire: ST205/75D15LRC

ST -- Special Trailer for utility trailers

205 -- Section Width of tire in millimeters

75 -- Aspect ratio (section height)

Meaning section height of tire is 75% of the 205 mm width

D -- Internal Construction of the tire

Meaning diagonal or bias ply construction: tire body plies inside tire will crisscross

15 -- Wheel diameter in inches

LRC -- Load Range is 6 ply rated tire: Max load rating is 1820 lbs at 50 psi

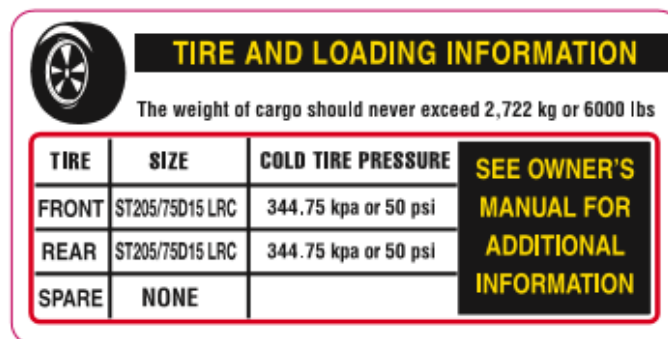
Load Weight

The total weight of the load plus the empty weight of the trailer should not exceed the Gross Vehicle Weight Rating (GVWR). When loading the trailer, the weight must be distributed so that the load on an axle does not exceed the Gross Actual Weight Rating (GAWR). Be sure to check that none of the axles are overloaded. Uneven distribution can cause tire, wheel, axle, or structural failure. To ensure towing stability, keep the center of gravity as low as possible.

Steps for Determining Correct Load Limit

1. Locate the statement "The weight of the cargo should never exceed xxx kg or xxx lbs." on your trailer placard.
2. This figure equals the available amount of cargo load capacity.
3. Determine the combined weight of cargo being loaded on the vehicle. That weight may not safely exceed the available cargo load capacity.

NATM Note: The trailer's placard refers to the Tire Information Placard attached adjacent to or near the trailer's VIN (Certification) label at the left front of the trailer.



The placard features a tire icon on the left, a title bar, a weight limit statement, a table with tire specifications, and a callout box for additional information.

TIRE AND LOADING INFORMATION			
The weight of cargo should never exceed 2,722 kg or 6000 lbs			
TIRE	SIZE	COLD TIRE PRESSURE	SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION
FRONT	ST205/75D15 LRC	344.75 kpa or 50 psi	
REAR	ST205/75D15 LRC	344.75 kpa or 50 psi	
SPARE	NONE		

KG-13 INTERNATIONAL

WARNING

COUPLING TRAILER TO TOW VEHICLE:

Safety Check A:

1. Check the hitch ball and coupler to make sure the size and rating match. (Located on each)
2. Wipe clean and inspect to make sure there are no defects, such as cracks or pits.
3. Make sure ball is tight to the hitch.
4. Inspect coupler to make sure it is tight to the trailer frame.
5. The bottom of the coupler should be above the top of the hitch ball.

Safety Check B:

1. Lower the trailer tongue until fully engaged with the hitch ball. If needed, adjust the position of the tow vehicle.
2. Close the latch and connect locking mechanism (Pin).
3. You can check to see if it is secure by trying to raise the towing vehicle using the trailer jack.
4. Check function of safety breakaway. With trailer hooked up and jack stowed pull breakaway key out. Pull gently against brakes. Trailer should not move. Reinstall breakaway key. It is safe to continue inspection.

NOTE: Battery could be dead if the trailer is not pulled for a significant amount of time. Charge before towing.

Safety Check C:

1. Check safety chains for any wear or damage. Replace if needed.
2. Attach safety chains to towing vehicle, making sure the chains cross under the coupler.
3. Attach chains to the hole from below.
4. Be sure there is enough slack for tight turning but not dragging on the road.
5. Connect harness for lights.
6. Check to be sure all lights are working properly. If not, be sure to repair or replace before towing.

UNCOUPLING TRAILER FROM TOW VEHICLE:

Be sure the brakes are applied to the towing vehicle. Block the wheels of your trailer to avoid it rolling. Disconnect safety chains and electrical lines. Unlock the coupling attachment and extend the jack until it touches the ground. If your trailer seems stable, slowly move the towing vehicle forward away from the trailer. **DO NOT** use the breakaway for a parking brake.

CAUTION

LOADING:

Improper loading may cause accidents or death. To safely load a trailer you should consider the following:

1. Load weight

The trailer axles will carry most of the total weight of the trailer and its contents. The remainder of the total weight is carried by the tow vehicle hitch. To ensure safe towing, the trailer tongue and tow vehicle hitch should carry the proper amount of the loaded trailer weight. Otherwise, the trailer may begin to sway at towing speeds or the rear of the towing vehicle may become overloaded.

2. Load weight distribution

By ensuring proper load weight distribution, no area of the trailer will be loaded beyond its rating. Load heaviest items first and over the axles. While loading other items, be sure to maintain weight distribution on each side and in the tongue area. The total weight rating of the trailer (GVWR) must never be exceeded.

TOWING:

The extra weight behind the tow vehicle could affect the tow vehicles ability to stop quickly and navigate sharp turns. Safe towing requires the driver to give a wider berth than usual around corners. Allow for longer stopping distances, anticipate problems ahead, and be ready to react if needed. When possible, driving in the right lane on highways will allow you to get to the shoulder easier if you should experience a blowout. Be sure to check that your trailer's electrical wiring system is properly connected to the tow vehicle.

While towing, allowance for more distance and time when passing another vehicle or when being passed by a vehicle is needed. Passing on a two-lane road should almost never happen. Be sure to leave plenty of room to get your vehicle safely up to speed with the trailer in tow.

When pulling into a parking lot, consider the length and maneuverability of your vehicle-and-trailer setup to avoid getting stuck.

Check the ramp storage to be sure the pins are connected to hold them in place.

IMPORTANT

INSPECTION SERVICE & MAINTENANCE:

You must inspect, maintain, and service your trailer regularly to insure safe and reliable operation. If you cannot or are unsure how to perform these items, contact your dealer to do them. Note: In addition to this manual, also check the relevant component manufacturer's manual.

If your trailer's axles are equipped with a grease zerk on the ends, the bearings must be greased every six months or 6,000 miles to ensure functionality. To apply the grease, remove the rubber plug from the axle and place the grease gun on the zerk. Pump grease until new grease begins to appear. Be sure to use a wheel bearing high temp grease.

It is important to re-torque the lug nuts on your trailer after 25 miles, 50 miles, and then monthly, or 150 miles after that to mfg recommendation of 100 ft lbs.

It is recommended that you check and adjust your trailer brakes every 3,000 miles or 3 months.

Adjusting Trailer Brakes:

1. Jack up the trailer. Be sure to place the jack under the trailer frame not the axle. Raise the jack until the wheel spins freely.
2. Remove the brake access cover, cap, or plug (can use flat head screwdriver) carefully to access the brake chamber and adjustment wheel.
3. Using a brake spoon, brake adjustment tool, or flathead screwdriver, turn the star wheel adjuster inside the brake chamber, typically located below the brake drum. Pushing down so the adjuster wheel is pried upward will tighten the brake pads or shoes. Turn the wheel one click at a time, spinning the tire between each click to make sure it spins freely.
4. Once the tire becomes difficult to turn, stop tightening the adjuster. You can pull up on the adjustment tool to loosen the adjuster wheel if necessary.
5. Replace the cover on the trailer brake access point, making sure to torque the lug nuts to manufacture's specification of 100 ft lbs. Then remove the jack stand and safely lower the trailer. Repeat on the other side.

Contact Information for the following components: Axle, Coupler, or Break Away System

Contact your dealer first who will then contact Crownline by GZ.



LIMITED TRAILER WARRANTY

Ground Zero Shelters, Co. (Crownline by GZ) warrants that each Ground Zero Shelters, Co. (Crownline by GZ) trailers operated by the original purchaser under normal use in the continental United States or Canada will be free from defects in materials and workmanship for one year following the original purchase, subject to the requirements, exclusions and limitations stated below. The obligation of this warranty shall be limited to repairing or replacing any part or parts, which in the opinion of the factory are defective in materials or workmanship under normal use and service during the warranty period commencing with the date of the first retail purchase. If the trailer is rented or used for commercial hauling this Limited Warranty is null and void.

YOU MUST SEND US YOUR PROOF OF PURCHASE

In order to validate this Limited Warranty, you must document your purchase. A registration card is attached to the Manufacturer's Certificate of Origin provided with each trailer. Complete the registration card and mail it to Ground Zero Shelters, Co. (Crownline by GZ), 4600 Independence, Perry, OK 73077, or emailed to products.crownline@gmail.com no later than thirty (30) days following the purchase of your Ground Zero Shelters, Co. (Crownline by GZ) trailer. Failure to complete and return this warranty registration within the above period will void the warranty.

LIMITED WARRANTY - STRUCTURE

Subject to the requirements, exclusions and limitations stated below, the structure of your Ground Zero Shelters, Co. (Crownline by GZ) trailer is warranted to the original retail purchaser against defects in materials and workmanship by Ground Zero Shelters, Co. (Crownline by GZ) from normal use for a period of one (1) year for utility trailers from the date of purchase. The structure is that portion of the trailer, which includes the main frame, consisting of the bottom rails, cross members, side posts, and the sub-frame, excluding the floorboards and running gear. GZ warrants its finishes to be consistent with industry standards for one (1) year after the date of original retail purchase, with the exception of "normal use" limitations set forth below and of deterioration due to use, physical damage, or exposure, such as chipping, scratching, fading, cracks in caulk seams, road salt, tar, or pressure washing. Rust streaking originating from areas where it is virtually impossible to achieve total paint or powder coat coverage, i.e. behind rub rails or where two or more metals adjoin, are consistent with industry standards and not covered. Any repairs made will be done so with liquid paint.

ONE YEAR LIMITED WARRANTY

Subject to the requirements, exclusions and limitations stated below, all other components (electrical, lights, mechanical jacks, ramps, sealants, locks and couplers) of your Ground Zero Shelters, Co. (Crownline by GZ) trailer are warranted to the original retail purchaser against any defect in the materials and workmanship by Ground Zero Shelters, Co. (Crownline by GZ) arising from normal use for a period of one (1) year from the date of purchase.

EXCLUSION OF ITEMS WARRANTED BY OTHER MANUFACTURERS

Expressly excluded from the Limited Warranty are any claims related to items that are warranted by their manufacturer. These items include, but are not limited to: tires, rims, axles, and axle components including, without implied limitation, tow in/tow out and camber on axle; brake components; springs and suspension components; couplers and jacks; and any other items purchased and installed by Ground Zero Shelters, Co. (Crownline by GZ). Any claims related to these items must be presented to their manufacturer for adjustment. Subject to the other terms of this Limited Warranty, Ground Zero Shelters, Co. (Crownline by GZ) warrants proper installation of the above listed items.

OTHER EXCLUSIONS NOT COVERED BY THIS LIMITED WARRANTY

This Limited Warranty covers only defects in original components which arise from normal use and does not apply if the trailer has been subject to negligence, accident, abuse, misuse, improper loading or has been repaired or altered without the prior written consent of Ground Zero Shelters, Co. (Crownline by GZ). Damages caused by failure to provide proper maintenance and repair, lose or improperly torqued lug nuts, use of incorrect or altered hitch ball or improper latching or loose nuts, bolts and screws (maintaining necessary tightness is the owners responsibility) are not covered by this Limited Warranty. In addition to the above exclusions, Ground Zero Shelters, Co. (Crownline by GZ) expressly excludes from this Limited Warranty the following: tow vehicle wiring, replacement and work performed or options installed by others; deterioration of paint and appearance due to use and exposure; loss of time, inconvenience, loss of use of trailer, rental of substitute equipment, loss of revenues, or other commercial loss; and tow vehicle wear. The trailer covered by this Limited Warranty is designed to be towed by a vehicle with up to one (1) ton capacity and any use of the trailer that exceeds the tow vehicle manufacturer's specific limitations, such as improper load weight or securing cargo incorrectly, are not covered by this Limited Warranty.

PRIOR WRITTEN CONSENT REQUIRED AND RETURN OR DEFECTIVE PARTS REQUIRED

No reimbursement will be made to any dealer or owner for repairs made without the prior written consent of Ground Zero Shelters, Co. (Crownline by GZ). Any defective part(s) must be sent by prepaid freight to Ground Zero Shelters, Co. (Crownline by GZ) in order to qualify for replacement or reimbursement under this Limited Warranty.

TRANSPORTATION COST EXCLUDED

Transportation of any trailer to and/or from the distributor or any approved repair facility shall be the responsibility of the trailer owner. GZ shall not be liable for any such costs.

LIMITATION

GROUND ZERO SHELTERS, CO. (CROWNLIN BY GZ) RESPONSIBILITY UNDER THIS LIMITED WARRANTY SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF PARTS AT THE GROUND ZERO SHELTERS, CO. (CROWNLIN BY GZ) MANUFACTURING PLANT, OR FOR A REASONABLE ALLOWANCE, AT ANOTHER PLACE APPROVED IN WRITING BY GROUND ZERO SHELTERS, CO. (CROWNLIN BY GZ) IF SUCH WARRANTY FAILS BECAUSE ATTEMPTS AT REPAIR ARE NOT COMPLETED WITHIN A REASONABLE TIME, OR IT FAILS FOR ANY OTHER REASON, ANY DAMAGES AND COSTS/FEEES ARE SUBJECT TO NONPAYMENT OR NOT COVERED UNDER WARRANTY. ALL OTHER OBLIGATIONS OR LIABILITIES, INCLUDING INCIDENTAL OR CONSEQUENTIAL DAMAGES OR CONTINGENT LIABILITIES ARISING OUT OF THE FAILURE OF ANY PARTS TO OPERATE PROPERLY ARE HEREBY EXCLUDED, INCLUDING BUT NOT LIMITED TO ANY DAMAGES RESULTING FROM LOSS OF USE, INCONVENIENCE, LOSS OF TIME, COMMERCIAL LOSS OR ANY OTHER TYPE OF DAMAGES, GENERAL OR SPECIFIC, FORESEEN OR UNFORESEEN, UNLESS APPLICABLE STATE LAW PROVIDES OTHERWISE.

DISCLAIMERS

THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTY NOT EXPRESSLY PROVIDED HEREIN WHICH BUT FOR THIS PROVISION MIGHT ARISE BY OPERATION OF LAW, INCLUDING ANY EXPRESS WARRANTIES MADE OUTSIDE THIS LIMITED WARRANTY, IMPLIED WARRANTIES OF MERCHANTABILITY, IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY REMEDY FOR BREACH OF CONTRACT. THESE WARRANTIES ARE HEREBY EXPRESSLY EXCLUDED AND DISCLAIMED. IF THEY CANNOT BE DISCLAIMED, ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE ARE EXPRESSLY LIMITED TO A TERM OF ONE (1) YEAR, UNLESS ANY APPLICABLE STATE LAW PROVIDES OTHERWISE. UNDER NO CIRCUMSTANCES SHALL GROUND ZERO SHELTERS, CO. (CROWNLIN BY GZ) BE LIABLE TO PURCHASER OR ANY OTHER PERSON FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF BREACH OF WARRANTY, BREACH OF CONTRACT, TORT OR OTHERWISE, UNLESS ANY STATE LAW PROVIDES OTHERWISE. NO ONE, INCLUDING AUTHORIZED GROUND ZERO SHETLERS, CO. (CROWNLIN BY GZ) DEALER, IS AUTHORIZED TO MAKE FURTHER OR ADDITIONAL WARRANTIES ON BEHALF OF GROUND ZERO SHELTERS, CO. (CROWNLIN BY GZ) AUTHORIZED REPAIRS DO NOT EXTEND THE TERM OF THIS LIMITED WARRANTY. THIS WARRANTY IS NON-TRANSFERABLE FROM THE ORIGINAL OWNER Ground Zero Shelters, Co. (Crownline by GZ) 4600 Independence, Perry, OK 73077.

Crownline by Ground Zero
REGISTRATION FORM

Today's Date:

Customer's Information

First name:	Middle:	Last:
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Address:

Home phone no.:	Cell phone no.:
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Email:

Product Information

Type of Product:

VIN Number:

PLEASE PROVIDE PROOF OF PURCHASE
(Mail or Email within 30 days)
(product.crownline@gmail.com ATTN: Warranty Form)

The above information is true to the best of my knowledge.

signature

Date