

Hydraulic Frame

General Maintenance and Service Guide







Maintenance

Congratulations on the purchase of your new Ice Castle with a GS Trailers - Gen 4 Hydraulic Series trailer. We have put together a few items to help you maintain and trouble shoot your trailer and its components.

Washing

Due to winter road conditions, it is a good idea to wash your frame often to prevent rust from road salt and other contaminants. This is specifically true for any hydraulic hose ends that are exposed. Even galvanized frames should be washed to prevent spotting and pitting.

Storing

It is recommended to store your house in the "down" position during long periods of time. This will take stress off the axles when not in use. Make sure to store on a flat level surface free of debris.

Hauling Preperations

Trailer must always be raised in the fully up position with the (2) front safety pins installed and the travel locks installed in the cross bar in the wheel wells. Safety chains, emergency brake cable, and wiring plug connected.

It is recommended that you keep the Ice Castle as close to level as possible from front to back of the trailer to

keep equal balance across all axles. Adjustments to the height of your ball hitch may be necessary.

It is very important you are using the correct ball size for your trailer. All trailer lengths models use a 2-5/16" size ball. Use of the wrong ball can result in damage to not only your trailer but also your vehicle. Please check the coupler for the correct size you should be using.

Wheels and Tires

Torque specifications for wheels on all models should be 105 ft. lbs.

Wheels should be re-torqued after the first trip to ensure proper tightness.

Torque should be check at least twice per year.

Tire pressure should be maintained at 70-80 psi.

Frame Coating and Repair

Regularly check the frame for any signs of peeling or rust.

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If you plan to leave your house on frozen ground for any period it is recommended to "block up" the corners to prevent the frame from freezing down. This helps prevent peeling of the protective rubber coating when moving the house later.

To repair protective coating, it is recommended to use "PlastiKote Bed Liner" for small touch-ups. It is available at most hardware stores.

Hydraulic Fluid

Use ATF Dextron III oil ONLY when filling the pump.

Use of any other type of fluid or oil may void the warranty.

Pump requires 10.2 volts minimum to operate.



Maintenance

Greasing

Your trailer is a greasless model except for the bearings and hubs. The pivot points are supplied with a high load oil impregnated bushing. They do not require greasing.

The axle hubs should be greased at least once a year. We recommend a synthetic grease that is readily available at most auto and hardware stores. During the storage process, it is recommended to spray the exposed hydraulic fittings, connectors and bolts, hitch mechanism, and other rotating and connection points with WD-40 Corrosion Inhibitor. This will help prevent water and moisture from getting into these areas.

Wireless Transmitter

For wireless transmitter troubleshooting please refer to the included specifications sheet. If the wireless transmitter keychain is not working, you can use the wired yellow control that comes mounted to the pump with a 30' cord. Be sure to use the corded remote at a safe distance while raising and lowering your house.

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References



Instructions for 92/93 Series Standard Transmitter (shown with LoCover removed)
2, 4 and 6 Function (4, 6 and 8 Button)

RESET Button activates the Receiver and the keypad function buttons

STOP Button switches off the Receiver and the keypad function buttons

L.E.D.

Blinks when Transmitter is active.

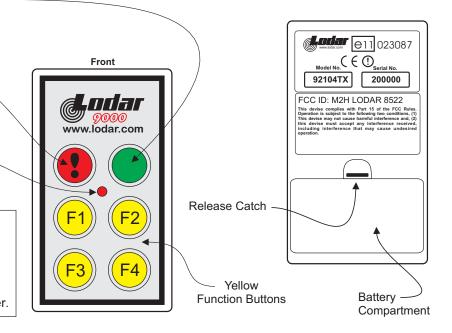
ON when a Transmitter Button is pressed.

Pulses while transmitting when Battery is low.



SAFETY FEATURE

The Transmitter automatically transmits a **STOP** signal after 30 minutes; this de-activates the Receiver and the Transmitter.



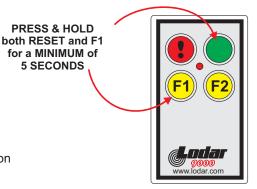
To register Transmitters to the Receiver.

Switch OFF or DISCONNECT the power to the Receiver and briefly PRESS the STOP button on one or both Transmitter(s).

Switch ON or Reconnect the power to the Receiver. This opens a 20 second registration window in the Receiver processor.

If you are looking at the Receiver PCB the Fault LED Flashes.
Immediately PRESS and HOLD both the Transmitter RESET Button and F1 Button (indicated). Continue to hold BOTH BUTTONS for a MINIMUM of 5 seconds during this 20 second window.
When the Transmitter is Registered the Fault LED will be illuminated for 3 seconds.

Within this **3 second** period, FIRST release F1 and then the RESET button.



TO REGISTER TWO TRANSMITTERS:

When the fault light starts to flash again, immediately PRESS and HOLD both the Transmitter RESET and F1 Buttons of the second Transmitter. Continue to hold BOTH BUTTONS for a MINIMUM of 5 seconds or until the SET LED comes on. Both your Transmitters will now operate the Receiver.

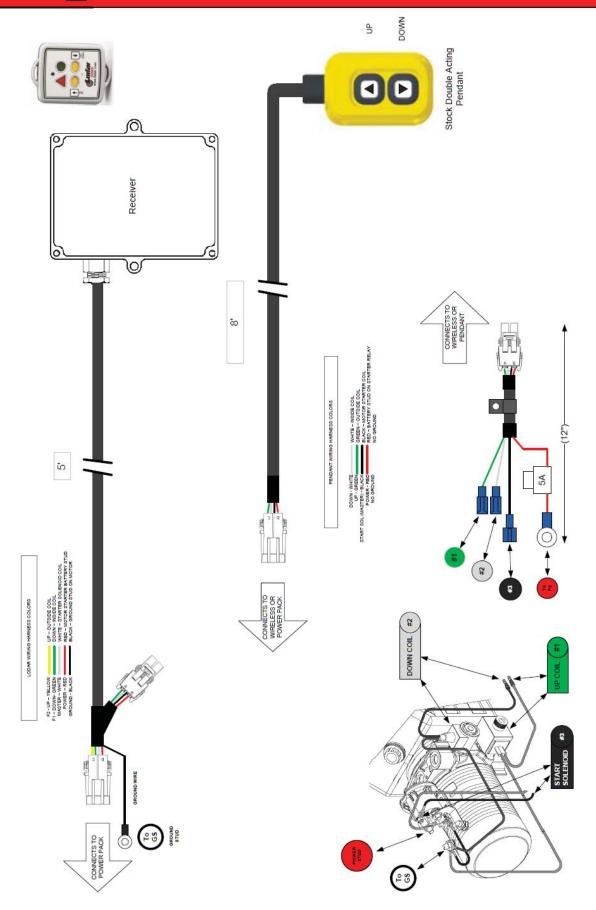
PRIORITY.

Only one Transmitter can be active at any time. For the second Transmitter to work you have to turn off the first Transmitter. Once the second Transmitter is being used then that has priority and it has to be turned off before the first Transmitter can work again.

If you have any problems please phone either your local Distributor or Lodar directly:-

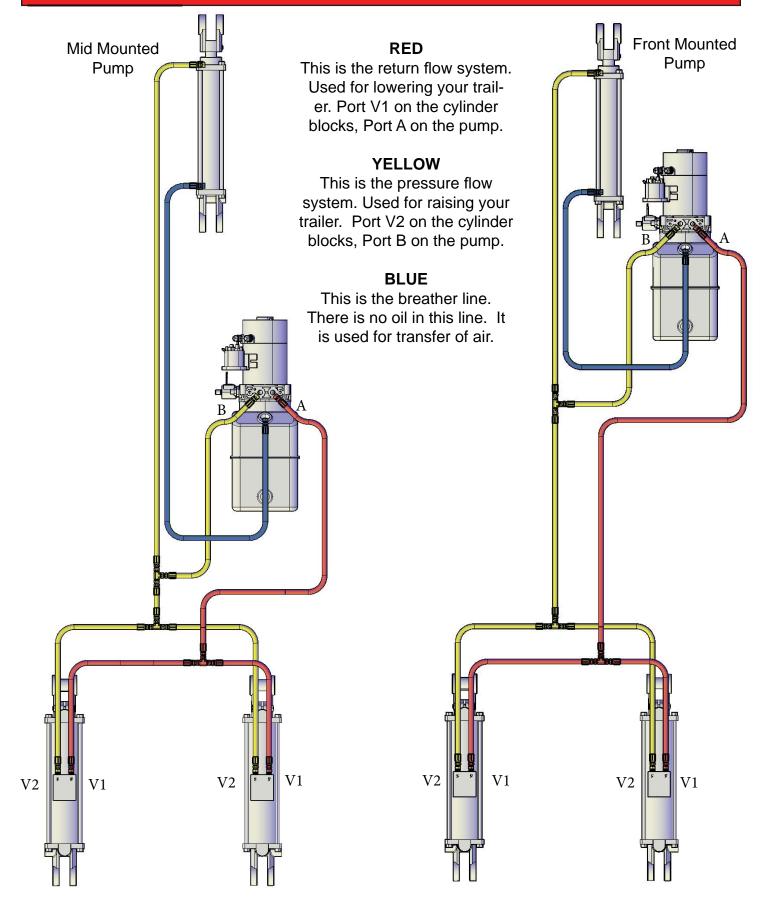








References





Limited Warranty

LIMITED WARRANTY

NOTICE: This agreement is between the ORIGINAL PURCHASER and GS TRAILERS. GS Trailers, Inc, will warrant their products to be free from defective workmanship and materials in normal use and service for a period of TWO (2) years from the date of delivery to the purchaser. The warranty hereby covers any defects of workmanship and materials used in the structure of the trailer: i.e. the frame, side rails, cross members, welds, and sub frame assemblies.

LIMITATIONS OF GS TRAILERS WARRANTY

GS Trailers does NOT warrant components not manufactured by GS Trailers. Therefore, this warranty does NOT cover axles and

axle components, tires, wheels, couplers, jacks, suspension components, springs, wiring, lights, paint (including chipping, fading, and aging), accessories, or any other component not manufactured by GS Trailers. If these items are warranted by the manufacture or supplier thereof and warranty may be extended to the purchaser, GS Trailers will make such warranties available.

Exclusions of GS Trailers Warranty

- 1) Normal wear on any item will not be subject to warranty. Normal wear items, include, brakes, tires, bearings, axle seals, light bulbs, and fading or cracking of flooring; but are not limited exclusively to these items.
- 2) Any damage done due to lack of good industry maintenance such as improper bearing adjustment, incorrect air pressure, lug nut torque, etc. will also not be covered by GS Trailers Warranty.
 - 3) Any damage to the frame, axles, tires, or any other component due to overloading or abuse is not covered under warranty
- 4) Coatings offered by GS Trailers are for aiding to the longevity of the trailer. Coatings in high rub / pivot areas are not covered under the warranty. This includes the front pinning area and axle pivot areas. Coatings that have been cut, scraped, peeled, or not maintained, are not covered under the warranty.
 - 5) Trailers used for rental are not covered under this limited warranty.

In the event of a defect in material or workmanship covered by this warranty, GS Trailers will:

- 1) Correct the defective work or replace the defective parts on a no-charge basis at our plant location, or
- 2) Reimburse the purchaser by paying a sum not exceeding the price charged by GS Trailers for such work, or
 - 3) Provide for repair of the defect or replacement of the defective parts by an authorized shop.

All Warranty repairs must be pre-authorized by GS Trailers before any reimbursements shall be made. GS Trailers will likely require photographs of items that are thought to be defective in order to approve reimbursements. All freight charges to or from the factory or pre-authorized repair facility is the responsibility of the purchaser. ALL FREIGHT IS EXEMPT FROM WARRANTY. In addition, this warranty does NOT cover any economic loss including but not limited to; payment for the loss of time or pay, inconvenience, loss of trailer use, lodging bills, trailer rental expense, meals, storage charges, and other incidental or consequential loss or damage of similar nature. This warranty will be void if the trailer is damaged due to overloading, negligence, or misuse. Without prior approval, any modifications or alterations to any product or part manufactured by GS Trailers will void the warranty IN ITS ENTIRETY. Weights, dimensions, capacities and other measures stated in connection with the new trailer are only estimates and are not covered by this warranty.

DISCLAIMERS

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER EXPRESS WARRANTIES AND REPRESENTATIONS. GS TRAILERS MAKES NO OTHER REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO GS TRAILERS. NO ONE BESIDES AN AUTHORIZED GS TRAILER REPRESENTATIVE IS AUTHORIZED TO MAKE FURTHUR OR ADDITIONAL WARRANTIES ON BEHALF OF GS TRAILERS.

THIS WARRANTY IS NON-TRANSFERABLE.