

1700 Pup Wagon

Owner's Manual



General Information

1

Introduction

This chapter will provide you with important information regarding the safe operation of your unit as well as necessary warranty information.

This chapter is further broken down into the following sections:

Introduction	1-1
Important Notices	1-2
Safety Warnings	1-3
Cautions.....	1-3
Safety Operating Instructions	1-4
Manufacturer's Warranty	1-6
Warranty Procedure.....	1-8
Warranty Report	1-9

Important Notices

We have attempted to cover as much information as possible in this manual. However, this information does not cover all the unique variations that a 1700 Pup Wagon may present. Note that illustrations are typical but may not reflect all the variations of assembly. Also all data provided is based on information that was current at time of release. However, this information is **subject to change without notice**.

Safety Warnings

This section contains important safety warnings and cautions. Please read this section carefully to ensure avoidance of serious injury or death. All safety precautions described in this section should be completely and thoroughly understood by all personnel using the equipment.

Warning: Carelessness in the operation of this equipment can result in serious injury or death. This equipment should only be operated by qualified personnel.

Cautions

To prevent possible injury or death:

Warning: Unload the unit before performing maintenance and service on it.

- **Do Not** leave the unit raised or partly raised while unattended or during performance of maintenance or service under unit unless the unit is propped to prevent accidental lowering.
- **Do Not** attempt to raise a loaded unit when vehicle is on unlevelled ground.
- **Do Not** stand or move through the area where the unit is in operation.

Safety Operating Instructions

Equipment manufactured by G&H Manufacturing, Ltd. is designed and constructed with “state-of-the-art” precision and every possible safety provision has been incorporated at the time of manufacture. However, no equipment can be designed for completely safe operation unless it is installed and operated as intended by the Manufacturer and unless it is protected from tampering or misuse by unauthorized personnel.

Such persons (i.e., untrained operators and stray personnel) who may be tempted to play with the controls or equipment are considered unauthorized personnel. Therefore, it is very important that the owner(s) and/or operator(s) take the following precautions regarding risks from mechanical or hydraulic components:

- **All malfunctions or indications of improper operation** at any time during the life of the equipment should be reported to the owner to allow immediate inspection and repair.
- **No adjustments, modifications, alterations, or repairs** should be made to the equipment by anyone other than qualified personnel.
- **All individuals authorized to use the equipment should be trained** in the proper use of the controls. All potential danger points should be specifically pointed out to the operator(s). The owner(s) of the equipment should keep in mind that newly hired employees might acquire bad working habits or misinformation from older employees. All training activities should be delegated only to responsible individuals.

Note: It is suggested that a periodic review of safety measures be conducted for all operators, particularly where equipment is leased to and operated by customers unfamiliar with refuse equipment.

- **No untrained personnel should be allowed to operate the equipment** at any time. No one other than authorized operators should be allowed to have the keys to this equipment.
- **Keep all trash, oil, and other slippery materials cleaned up** around the unit to prevent falls. The presence of hydraulic oil beneath the equipment may indicate a leak in need of repair.
- **Be particularly aware that repairs are required** if indicated by blown fuses, sparking of electrical equipment, electrical shocks from touching the equipment, bulging or deformed structural members, cracked welds or steel members, excessive oil leaks, or any abnormal appearance or performance of the equipment.
- **Remember** – To prevent possible injury or death, the hoist must be in the full down position for over the road travel.

- **Remember** – Safety in design or construction depends on the manufacturer, but safety of operation depends on the owner(s) and operator(s).

Warning: G&H Manufacturing makes no warranties regarding safety of the equipment unless these safety instructions are observed by the owner(s) and operator(s) at all times.

Manufacturer's Warranty

G&H Manufacturing, Ltd., referred to herein as the Manufacturer, warrants each new product of its own manufacture to be free from defects in material and workmanship, under normal use and service, to the original purchaser only, for a period of twelve (12) months, subject to the conditions outlined below. Our obligation under this warranty is limited to repair or replacement with a genuine G&H part, any part of the product of our manufacture which **is returned to us within fifteen (15) days after discovery of the defect**, properly identified and transportation charges prepaid, and not more than twelve (12) months after purchase by the original purchaser, provided that, in our judgment, the part is defective.

The Manufacturer will furnish, without charge, **FOB** our plant a genuine G&H part. To replace any part of a product of its manufacture, which proves to be defective in normal use and service during this period.

The Manufacturer's warranty or obligation in connection with the sale of this equipment:

1. Shall be expressly limited to the repair or replacement of the defective parts, as stated above and covers only those labor charges specifically authorized by the Manufacturer. All other damages and claims, statutory or otherwise, being hereby expressly waived by the purchaser, this includes but is not limited to any towing cost and damage incurred from equipment down time.
2. Shall not apply to any failure or damage incurred through neglect, lack of maintenance, misuse, accident, improper installation, redesigning of assemblies, or through any other cause beyond the control of the Manufacturer.
3. Shall not apply to any major component such as cylinders, pumps, valves, etc., which have been disassembled in any way, or if any parts are left uncovered.
4. Shall not apply if the equipment has been operated beyond the factory recommended maximum capacity.
5. Does not cover products of other manufacturers beyond such warranty as is made by such manufacture.
6. Service parts sold by G&H Manufacturing, Ltd (hoses, cables, filters, etc.) shall have a ninety (90) day warranty for replacement only, provided that factory inspection reveals a material or workmanship defect. Any labor required to replace or repair the part shall be the responsibility of the owner.
7. All perspective warranty parts must be returned to a location selected by G&H no more than fifteen (15) days after receiving the replacement part or the warranty can be voided.

No claim under this warranty shall be valid, unless such claim is submitted within twelve (12) months after date of sale or within fifteen (15) days after the discovery of the defect, which is the basis for such claim, whichever event shall occur first.

Equally important to you as any specific time warranty, is the fact that the Manufacturer's reputation for quality and dependability is tradition as old as the company itself. It has always been a basic company policy to insure complete customer satisfaction. This is your assurance that you can expect prompt and courteous service on your equipment from the entire factory organization.

There are no warranties, expressed or implied, which extend beyond the warranty set forth in this Owner's Manual, and any other warranties, expressed or implied, are hereby disclaimed by the Manufacturer.

Warranty Procedure

To best serve our customers needs the warranty department will use the following procedure to handle all warranty claims.

1. Customer notifies G&H home office at (800) 654-5291 of warranty need. The replacement parts will be shipped out that day (overnight shipping is available upon request and depending on parts availability).
2. Warranty report (found on page 1-8 of this manual or call (800) 654-5291 to have a copy faxed to you) must be filled out completely and mailed or faxed to the contact information below.

G&H Manufacturing
1015 Commercial Blvd. S.
Arlington TX. 76001
Fax: (817) 468-3272

3. Customer must issue a purchase order for the new part(s) and return the defective part(s) within two weeks of receiving the replacement part(s) or, the warranty request will be voided. To return a defective part(s), the customer needs to obtain a return number from the parts salesperson and send damaged or defective part(s) to the above address for G&H manufacturing.
4. G&H will return the part(s) to the original vendor for inspection or certification upon receipt of the damaged or defective part(s). If the warranty is valid G&H will issue credit to the customer for the warranty claim amount.

Warranty Report

Customer _____ Date _____

Address _____ Rep. _____

City _____ State _____ Zip _____ Phone _____

Product _____ Model _____ S/N _____

Date Shipped _____ Date Put Into Service _____

Original Sales Order No. _____ Original Work Order No. _____

Problem

Solution

Action Taken

Warranty Approved ____ Yes ____ No Repair Price \$ _____

Reported By _____

Approved By _____

Operating a 1700 Pup Wagon

Introduction

This chapter contains information, instructions, and diagrams that will help you operate your 1700 Pup Wagon. Please note that anyone operating a 1700 Pup Wagon should have read and fully understood this manual before operating the equipment. Also anyone operating the 1700 Pup Wagon needs to have read and understood the manual for the hoist they will be using.

G&H Manufacturing has designed this chapter for use in the cab by the operator. We suggest that you make a copy of this chapter, put it in a plastic page protector, and place it in the cab of the truck for reference.

Consider how airline pilots fly planes. No matter how often they have performed a task, they use a written procedure to increase safety. **You can never be too careful.**

Warning: This chapter was written for a G&H 1500 Roll Off Hoist and a G&H 1700 Pup Wagon. If you have chosen to use a competitor's hoist please contact them for information on safely using a G&H 1700 Pup Wagon with their hoist.

This chapter is further broken down into the following sections:

Introduction	2-1
Hooking and Unhooking the 1700 Pup Wagon to the 1500 Roll Off Hoist.....	2-2
Using the Dolly Lock	2-4
Loading and Unloading the 1700 Pup Wagon	2-5

Hooking and Unhooking the 1700 Pup Wagon to the 1500 Roll Off Hoist

Caution: Always test the lights and breaks before transporting the wagon.

Warning: Never move the wagon without securing safety cables to the truck.

To Hook the 1700 Pup Wagon to the 1500 Roll Off Hoist:

1. Pull the pin on the support arm to release the truck's bumper.
2. Push the bumper up.
3. Latch the bumper hook onto the hoist peg.
4. Pull the latch on the truck's pintle hook open.
5. Pull the come-along handle on the wagon's tongue lift towards the passenger's side to raise the tongue slightly higher than the pintle hook.
6. Back the truck in front of the wagon aligning the pintle hook with the tow eye on the wagon's tongue.
7. Push the clip on the come-along handle to reverse the action.
8. Pull the come-along handle on the tongue lift towards the driver's side to lower the tow eye into the pintle hook.
9. Push the latch on the pintle hook closed.
10. Push the come-along handle on the tongue lift towards the driver's side to release the tension on the tongue lift.

Warning: Do not move the wagon with tension on the tongue lift, as this may cause the tongue lift to possibly break.

11. Hook the red air supply line into the glad hand on the truck.
12. Hook the blue control air line into the glad hand on the truck.
13. Plug the electrical plug from the wagon into the corresponding socket on the hoist.
14. Hook the safety cables into the D-rings on the truck's pintle hook.

To Unhook the 1700 Pup Wagon From the 1500 Roll Off Hoist:

Note: Before the wagon can be unhooked from the 1500 Roll Off Hoist, the red trailer air supply button on the dashboard must be pulled and the line disconnected. This unlocks the secondary locking mechanism in the pintle hook.

1. Unhook both glad hands and hook them into the bracket on the wagon.
2. Unhook the electrical plug from the socket on the truck.
3. Unhook the safety cables from the D-rings on the truck's pintle hook.
4. Pull the latch on the pintle hook open.
5. Pull the come-along handle on the tongue lift towards the passenger's side to raise the wagon's tongue.
6. Pull the truck away from the wagon.
7. Remove the bumper hook from the hoist peg.
8. Lower the bumper.
9. Push the clip on the come-along handle to reverse the action.
10. Push the come-along handle on the tongue lift towards the driver's side to release the tension on the tongue lowering it to the ground.

Using the Dolly Lock

The dolly lock can be used to lock the truck and unloaded wagon inline to back the wagon straight back.

Warning: The dolly lock should only be used for backing an empty wagon. Use of the dolly lock at any other time can result in damage to equipment or injury and death.

To Lock the Dolly Lock:

1. Pull the truck and wagon forward until they are inline with each other.
2. Raise the dolly lock pin from the stop.
3. Rotate the dolly lock pin toward the truck. This will release the handle.
4. Lower the handle into the dolly lock seat.

To Unlock the Dolly Lock:

1. Move the handle of the dolly lock pin back and forth until it releases from the dolly lock seat.
2. Raise the pin to the stop.
3. Rotate the handle toward the wagon.
4. Set the handle into the pin latch.

Loading and Unloading the 1700 Pup Wagon

Warning: **The P.T.O. must be shifted out before driving the truck.** Your failure to shift out the P.T.O. before driving the truck can result in injury or death.

Warning: Make sure the area in which you will be using your wagon is clear of people.

Caution: Read and understand the instructions for shifting the P.T.O. and operating the hoist before using the wagon.

To Load the 1700 Pup Wagon onto a 1500 Roll Off Hoist:

Note: If the container is already on the hoist extend the cable while raising the hoist and sliding the container back until it is halfway from the front stops.

1. Load the container onto the hoist approximately half the distance to the front stops or until the container is far enough forward that the hoist can be safely lowered.
2. Lower the hoist.
3. Back the truck up to the wagon lining up the container with the rails on the wagon.

Caution: The container long sills must straddle the guide rails on the wagon.

4. Check to make sure the rear of the container is now resting over the rear axle of the wagon.

Note: If the rear of the container is not over the rear axle of the wagon set the truck brakes and raise the hoist to allow the container to slide onto the wagon.

5. Roll the truck forward while raising the hoist and letting the cable out so that the container is level with the ground.

Warning: While pushing the container onto the wagon do not let the hoist hit the back of the trailer.

6. Back the truck up pushing the container onto the wagon as far as possible.

If the container does not go all the way to the front stops. Then follow steps 6-8 to move the container to the front stops. If the container goes all the way to the front stops skip to step 9.

7. If the container does not go all the way onto the wagon let the cable out and pull the truck forward until the hoist can clear the end of the wagon when being lowered.

8. Lower the hoist to where the end of the hoist lines up with the container nose cone roller.

9. Reverse the truck slowly pushing the container to the front stops.
10. Secure the container to the wagon using the seven tie down ratchets.
11. Tighten all seven tie down ratchets with the ratchet located at the front of the wagon.

To Unload the 1700 Pup Wagon With a 1500 Roll Off Hoist:

1. Back the truck up to the wagon making sure the container is aligned with the hoist rails.
2. Set the truck brakes.
3. Engage the P.T.O.
4. Remove all seven of the tie down ratchets with the ratchet located at the front of the wagon.
5. Let the cable out to the container.
6. Hook the rectangular end of the cable to the container hook.
7. Raise the hoist slightly (Approximately 3 in. from the bed of the hoist).
8. Pull the cable in pulling the container to the front stops.
9. Lower the hoist completely to engage the front container lock.
10. Attach the tie down ratchets on the hoist to the container using the ratchets located behind the driver's side fender.
11. Disengage the P.T.O.
12. Release the truck brakes.

Appendix: Maintenance



Introduction

For years of trouble-free service, it is important to properly maintain your equipment. Failure to do so could be costly and may void your Manufacturer's warranty. This appendix will help you to maintain your 1700 Pup Wagon by providing a regular maintenance checklist, and information on maintaining your pintle hook.

The following regular maintenance checklist, troubleshooting guide, diagrams, and schematics are located within this appendix:

Introduction	A-1
Maintenance and Lubrication Checklist	A-2
Pintle Hook Maintenance	A-3

Maintenance and Lubrication Checklist

The following are the minimum maintenance recommendations.

Daily	<ul style="list-style-type: none">• Tires• Lights• Wagon Body and Frame• Bolts, Pins, and Brackets
Monthly	Inspect and tighten the: <ul style="list-style-type: none">• Nuts and bolts• Shafts• Cotter pins• Kingpins Check oil in wheels and fill if necessary. Do not overfill

Note: The guard rails on the 1700 Pup Wagon must have a coat of heavy duty grease before loading a container. Reapply grease as often as usage indicates.

Note: Keep bottom rails of container smooth so they will not cut into guide rails on 1700 Pup Wagon

Pintle Hook Maintenance

For proper performance, perform the following every 30,000 miles or 3 months, whichever comes first:

- Clean and check for proper operation and inspect for worn, damaged, or missing parts. Replace as necessary.
- Inspect the coupling contact area replacing the coupling when wear exceeds 1/8" (.0125") from the original surface profile.
- Lubricate latch pivots with a light oil lubricant.
- Check mounting fasteners for proper torque.
- Check plunger adjustment.

For proper pintle hook operation:

- Do not modify or add to the pintle hook.
- Do not ever strike any part of the pintle hook with a steel hammer.
- Do not weld on the pintle hook.

Appendix: Optional Features

B

Introduction

This appendix contains information on the optional features that may have come on your 1700 Pup Wagon. The covered features are:

Introduction	B-1
Air Lift Axle	B-2

Air Lift Axle

To Let Air In and Out of the Axle Air Bags:

Warning: If you do not release the air from the air bags before loading or unloading the trailer you risk damaging the air bags.

In order to load or unload containers from the trailer you will need to let the air out of the axle air bags. The air bag control button is the button located on the trailer side of the control valve assembly. In order to operate the axle air bags you will:

- Turn the button to the right to let air out of the axle air bags.
- Turn the button to the left to push air back into the axle air bags.