



TILT DECK TRAILERS USERS MANUAL



REPORTING SAFETY DEFECTS & OTHER CLAIMS

If you believe that this vehicle contains a safety defect you may contact Timpte, Inc., the National Highway Traffic Safety Administration (NHTSA) or both.

The trailer was designed and inspected to conform to industry standards and all applicable NHTSA safety standards. Timpte, Inc. warrants this vehicle to be free from defects in materials and workmanship when manufactured per the limited warranty agreement. If you detect a defect that could cause an accident or could cause an injury or death; or if you wish to report any such accident, injury or death, or any property damage claim or other complaint not addressed to the Timpte trailer Warranty Department, then you should contact in writing:

Timpte, Inc.
Vice President of Engineering
100 Timpte Parkway
David City, NE 68632
Phone: 402-367-3056
Fax: 402-367-4340

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 Timpte, Inc.

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 Timpte, Inc.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to <http://nhtsa.safercar.gov>; or write to: Administrator, NHTSA, 1200 New Jersey Avenue SE, Washington, DC 20590. You can also obtain other information about motor vehicle safety from <http://www.safercar.gov>.

Timpte reserves the right to change or clarify the warranty coverage at any time. Contact the Timpte Warranty Administration Group at 402-367-3056 for any specific questions on coverage.

IMPORTANT

REQUIRED WARRANTY REGISTRATION

-WARRANTY WILL BE
VOID IF TRAILER IS NOT
REGISTERED WITHIN 14 DAYS
OF PURCHASE

-SCAN THE QR CODE TO
REGISTER YOUR TRAILER



SCAN ME

<https://timpte.com/equipment-trailer-registration/>

TIMPTE #14-035-302325



This manual has been prepared to help you operate your new Timpte trailer successfully, economically, and safely. Please read your Operator's Manual carefully and have a full understanding prior to using your trailer or performing any maintenance. We urge you to contact your Timpte, Inc. factory representative or the Vice President of Engineering at Timpte (402-367-3056) immediately should you have any questions or need an explanation.

Timpte has provided several warnings in your Operator's Manual and on your trailer to help prevent personal injury. Timpte can not foresee all use or misuse of the trailer. Always use common sense judgment while using or performing maintenance to your trailer. Your safety is our primary concern.



This safety alert symbol is used throughout this manual to indicate potential personal safety hazards. Failure to heed the warnings associated with the safety alert symbol can result in property damage, serious injury or death.

Safety decals appear at various locations on your new equipment trailer. The decals are provided for your safety and should be kept clean. Replace any decal that has become worn or damaged, painted over, or otherwise difficult to read.

Information contained in this operator's manual is based on the latest information available at the time of publication. Changes are continually being made to improve our product lines.

We want to thank you for purchasing a Timpte trailer and to let you know that it was built for long life and low cost of operation. However, regular and proper maintenance of the trailer and your commonsense use of it are required to extend the life of the trailer.

NORMAL TRAILER OPERATION

This Timpte trailer is designed for operation within legal posted speed limits on reasonable road surfaces for the type of service it was built to perform, in accordance with the noted weight restrictions.

“Normal Service” means the loading and transportation of uniformly distributed loads of properly secured, noncorrosive cargo, in accordance with any applicable factory instructions and in a manner which does not subject the trailer or parts of the trailer to (a) concentrated loads; (b) loads in excess of the Gross Axle Weight Rating (GAWR) or Gross Vehicle Weight Rating (GVWR) stated on the certification plate affixed to the trailer by Timpte; and (c) accidental damage, or (d) stresses, impacts or shocks greater than those commensurate with normal, reasonable lawful use.

The GAWR (gross axle weight rating) is the structural capability of the lowest rated member of the running gear components: suspension system, hubs, brake drums, wheels, bearings, axles, brake linings or tires.

The GVWR (gross vehicle weight rating) is the structural capability of the trailer when supported by the coupler and axles with the load uniformly distributed throughout the cargo space.

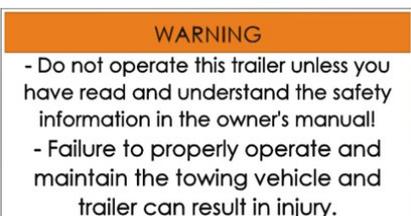
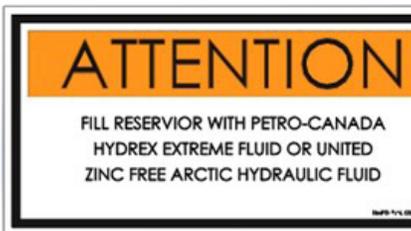
Modification of the Trailer – Any modification made to the trailer must comply with DOT and NHTSA regulations and must not compromise the gross vehicle weight rating (GVWR) of the trailer. **Any modification made to the trailer without prior approval of Timpte may void the warranty.** Any operation of the trailer outside the limitations stated in this manual will void any responsibility of Timpte, Inc. for any of its results.

SAFETY

WARNING

Personal injury, death and property damage may result from improper operation or un-safe practices. Be sure to read and follow all instructions, decals and emblems carefully.

The following section contains the decals and emblems used on the Timpete Equipment Trailers. Due to differences in configurations and equipment, your trailer may or may not use all the decals and emblems shown. Newer trailers may also have decals and emblems that differ from older trailers. Replace damaged or missing decals promptly. Replacement decals for this trailer are available without charge by calling Timpete, Inc. at 402-367-3056.



YOU, THE OPERATOR HAVE THE GREATEST CONTROL OVER SAFE OPERATION

1. You, the operator, have control of the most important factors that affect safe trailer operation and vehicle stability. Trailers are a tool and, like any tool, are safe only when properly used by a conscientious, trained and qualified operator.
2. The coupler should be securely mounted to the trailer frame and proper connection between the tow vehicle and trailer verified.
3. The driver should be familiar with the characteristics of the particular trailer and of the load to be transported.
4. The driver should be familiar with the nature of the roads and traffic which may be encountered during the trip.
5. Stability – Caution - like any other vehicle, trailers can tip or slide out of control if turns are negotiated at too high a speed or when making violent maneuvers such as abrupt lane changes or other evasive actions to avoid obstacles.
6. Within the relatively narrow confines of road laws limiting vehicle size and weight, together with the characteristics of available tires, suspensions, and other components, there is little that a manufacturer can do to affect the inherent stability of a trailer other than keeping the load as low as feasible, considering the requirements for loading space and adequate tire clearance. This means that the major factors affecting operational stability are the knowledge and skill of the driver. The predominant causes of rollover accidents are:
 - a. Excessive speed
 - b. Violent swerving or turning
 - c. Application of brakes or tow vehicle power while turning.
 - d. Entering curves at too high a speed
7. Tire Characteristics: High pressure truck/trailer tires have different characteristics under high-speed cornering conditions than do passenger car tires. Truck/trailer tires are designed for carrying high loads over long distances. Their lateral stability becomes unpredictable when lateral forces approach .04g. This means that commercial vehicles must be operated in a conservative manner when cornering.
8. Braking and Acceleration: Either braking or accelerating while cornering can significantly reduce the stability of the vehicle and should be avoided. The best driving practice is to decelerate to a safe conservative speed before entering a corner or approaching congested traffic, and then to apply only moderate power until a straight path has been re-established.



Congratulations on your recent purchase of the Timpte Tilt Deck Powerhouse Equipment Trailer. Here at Timpte, we take pride in the quality of our trailers and hope your experience with our company meets all expectations and standards. If at any time you experience issues, please do not hesitate to contact your Authorized Dealer for service or warranty



This user's manual contains safety information and operators instructions for your trailer. Make sure to read this manual along with the owner's manual prior to loading or towing of trailer. Timpte advises that all safety precautions and instructions be followed.

HOOKING UP THE TOW VEHICLE

Ball Hitch Coupler

A ball hitch coupler connects to a ball that is located on or under the rear bumper of tow vehicle.

We have utilized a ball hitch coupler that is suitable for the size and weight of the trailer. The load rating of the coupler and the necessary ball size are listed on the trailer tongue.

You must provide a hitch and ball for your tow vehicle, that meets or exceeds the GVWR of the trailer.

The ball size must be the same as the coupler size. If the hitch ball is too small, too large, is underrated, is loose or is worn, the trailer can come loose from the tow vehicle, and may cause death or serious injury.

The tow vehicle, hitch and ball must have a rated towing capacity equal to or greater than the trailer gross vehicle weight rating (GVWR).

It is essential that the hitch ball be the same size as the coupler.

The ball size and load rating (capacity) are marked on the ball; hitch capacity is marked on the hitch.



Install the provided hitch pin.

Safety chains are provided so that control of the trailer can be maintained if your trailer becomes detached from the tow vehicle.



Next, attach the trailer safety chains to tow vehicle. Cross chains underneath hitch and coupler with enough slack to permit turning and to hold tongue up if the trailer comes loose.

HOOKING UP THE TOW VEHICLE



WARNING

-Improper rigging of the safety chains can result in loss of control of the trailer and tow vehicle, leading to death or serious injury, if the trailer uncouples from the tow vehicle.

-Cross chains underneath hitch and coupler with enough slack to permit turning and to hold tongue up, if the trailer comes loose.

-Fasten chains to frame of tow vehicle.

-Do not fasten chains to any part of the hitch unless the hitch has holes or loops specifically for that purpose.



Connect the trailers electrical hookup to the tow vehicle.

If equipped with brakes, your trailer will be equipped with a breakaway brake system that can apply the brakes on your trailer if your trailer comes loose from the hitch. The breakaway brake system, including battery, must be in good condition and properly rigged to be effective.



Attach the break-away safety cable to the tow vehicle.

HOOKING UP THE TOW VEHICLE



WARNING

- An ineffective or inoperative breakaway brake system can result in a runaway trailer, leading to death or serious injury if the coupler or hitch fails.
- Breakaway lanyard must be connected to the tow vehicle, NOT to any part of the hitch.
- Before towing trailer, test function of the breakaway brake system. If the breakaway brake system is not working, do not tow the trailer. Have it serviced or repaired.



Release the jack handle by unhooking the safety pin



Raise the jack leg by turning the jack handle. Once the trailer is supported by the tow vehicle, pull the lower jack pin to raise the jack plate all the way up. Keep fingers clear of the jack plate.

HOOKING UP THE TOW VEHICLE



WARNING

MAKE SURE THAT THE TRAILER IS SECURELY ATTACHED TO AN ADEQUATE TOW VEHICLE, THAT THE TOW VEHICLE IS IN THE “PARK” POSITION AND THAT THE PARKING BRAKE IS SET PRIOR TO LOADING THE TRAILER. FAILURE TO DO SO COULD CAUSE SERIOUS INJURY OR DEATH

Improper trailer loading causes many accidents and deaths. To safely load a trailer, you must consider:

- Overall load weight
- Load weight distribution
- Proper tongue weight
- Securing the load properly

To determine that you have loaded the trailer within its rating, you must consider the distribution of weight, as well as the total weight of the trailer and its contents. The trailer axles carry most of the total weight of the trailer and its contents (Gross Vehicle Weight, or “GVW”). The remainder of the total weight is carried by the tow vehicle hitch.

It is essential for safe towing that the trailer tongue and tow vehicle hitch carry the proper amount of the loaded trailer weight, otherwise the trailer can develop an undesirable sway at towing speeds, or the rear of the towing vehicle can be overloaded.

The load distribution must be such that no component part of the trailer is loaded beyond its rating. You must consider the rating of the tires, wheels, and axles. For tandem axle trailers, you must make sure that the front-to-rear load distribution does not result in overloading any axle.

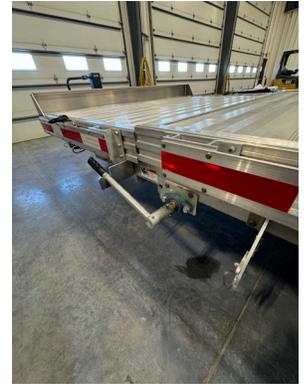
Towing stability also depends on keeping the center of gravity as low as possible. Load heavy items on the floor and over the axles. When loading additional items, be sure to maintain even side-to-side weight distribution and proper tongue weight. The total weight of the trailer and its contents must never exceed the total weight rating of the trailer (Gross Vehicle Weight Rating, or “GVWR”).

Do not transport people, containers of hazardous substances, or flammable liquids. The exception is fuel in the tank of vehicles or equipment being hauled.

Preparing Trailer for Loading

1. Inspect the floor of the trailer.
2. Inspect the tie down rings and track system for damage, looseness, or signs of bending before loading trailer.
3. Park the tow vehicle and trailer on a firm level surface.
4. Clear the area around the trailer.

LOADING THE TRAILER



Unlock, pull out and rotate deck lock handle. Rest handle in bracket as shown.



CLOSED



OPEN

Direct the 1/4-turn handle to the open position. This allows the trailer to tilt up to the loading position.



Before loading, push the rear of the trailer down until the deck rests on the ground.

LOADING THE TRAILER



In a controlled manner, drive the equipment up on the deck. For single vehicles, the $\frac{1}{4}$ turn valve can be left in the open position. As the vehicle moves up the deck, it will begin to lower automatically. If the $\frac{1}{4}$ turn valve is in the closed position, the deck will not lower. This allows multiple smaller pieces of equipment to be loaded before lowering the deck.



Carefully, drive equipment slightly past the front axles to have proper load distribution on trailer. 10-15% of the total load weight should be on the tongue of the trailer. Proper weight distribution is **IMPORTANT**.

When loading a long wheelbase vehicle such as a full-size pickup, special care must be taken. The wheelbase of the vehicle must be shorter than the tilt-deck length to be safely loaded on this type of trailer. Anything longer will result in damage to the vehicle being loaded as well as the trailer. Raise the deck and direct the $\frac{1}{4}$ -turn valve to the closed position. This will keep the deck raised until the entire vehicle is on the deck. In a controlled manner, begin driving the vehicle on the trailer. Continue slowly loading the vehicle until all wheels are on the deck. Once all wheels are on, the $\frac{1}{4}$ -turn valve can be directed to the open position, which will allow the deck to lower. This same procedure can be used to load multiple, smaller vehicles on the trailer at the same time.

LOADING THE TRAILER



Once equipment is loaded, place the deck lock lever back into its original position and insert safety pin to ensure locked condition.



Secure the load per local, state and federal load securement standards.



WARNING

Shifting cargo can result in loss of control of the trailer, and can lead to serious injury or death. Secure all loads with proper sized fasteners, chains, straps, etc.

SERVICE AND MAINTENANCE

- Check wheel lug nut torque at 50 to 100 miles after any service and before each tow. 90 ft-lbs.
- Check wheel bearings for heat and excessive plat at 10, 25, and 50 miles and before each tow.
- Check tire pressure before each tow. Refer to the tire placard inside the frame rail.
- Lubricate wheel bearings every 6 months or 6,000 miles.
- Check lights before each tow.
- Check breakaway switch operation before each tow.

Checking hydraulic fluid level (16k only)

To check the hydraulic fluid level in the reservoir (if equipped) the trailer deck must be raised to the loading position. Once the deck is raised, deploy the safety lock bar. Look at the sight glass mounted on the end of the reservoir. The sight glass should show fluid up to the approximate center of the window. Over-filling the reservoir will result in hydraulic fluid spilling out of the vent cap during operation. If fluid must be added, remove the plug on the 45 degree elbow on the reservoir. Use a funnel with a flexible tube to fill to the appropriate level with Petro-Canada Hydrex Extreme fluid or United Zinc Free Arctic hydraulic fluid.



Sight glass, approx. Half full



Reservoir fill location

INSPECTION



WARNING

Be careful when making inspections, hookups, and repairs to avoid personal injury. Make sure parking brakes are properly activated or that wheel chocks are in place to avoid sudden or unexpected movement of the trailer which could result in bodily injury.

It is the Operator's responsibility to conduct a safe and accurate pre-trip inspection of the vehicle. Per Federal Motor Carrier Statute 49 CFR 392.7 Equipment, Inspection and Use - No motor vehicle shall be driven unless the driver thereof shall have satisfied himself that the following parts and accessories are in good working order, nor shall any driver fail to use or make use of such parts and accessories when and as needed.

- Service Brake, including trailer brake connections
- Parking Brake
- Steering Mechanism
- Lighting devices and reflectors
- Tires/Tire Pressure
- Horn
- Windshield Wiper or wipers
- Rear-vision mirror or mirrors
- Coupling devices
- Hoses
- Hub Maintenance

WHEEL NUT TORQUE

Proper torquing and re-torquing the wheel nuts are critical to prevent the loss of wheel equipment. Wheel nuts should be torqued to 90 ft. lbs. (dry).

Wheels must be checked and re-torqued after the first 50 to 100 miles of use. This is important every time you change a wheel. Check the fastener torque on a regular on-going basis.

LIGHTS AND REFLECTORS

The surfaces of the lights and reflectors need to be checked and cleaned. Inspect all lights to see if they are working and check all brake and signal functions.

ELECTRICAL WIRING

Inspect all visible wiring to see that it is not frayed and is properly supported and protected, and that all connections are tight. Inspect the electrical hookup for a clean and secure connection.

TRAILER WASHING

Washing the trailer is an important step in decreasing future maintenance. The trailer should be washed with soap and water using a relatively soft bristle brush. Various chemicals can cause severe corrosive damage to aluminum. The use of acid in any concentration to clean the trailer will void the warranty.

There are many different types of chemicals used today to de-ice the roadways. Many of these can cause severe damage to the steel componentry of the trailer and diminish the appearance of the aluminum and stainless-steel components if not kept properly and regularly washed away.

CUSTOMER RESPONSIBILITIES

The first purchaser* shall regularly inspect and check the trailer and follow all recommended maintenance procedures and intervals.

The first purchaser* shall contact the Timpte Inc. Warranty Department immediately at (402-367-3056) upon detection of any perceived defect in the materials or workmanship. Any continued use of the trailer after discovery of a defect that could in any way aggravate the defect or otherwise damage the trailer will void the warranty on that part of the trailer.

Absolutely no work should be performed on the trailer prior to receiving authorization as evidenced by a valid claim number, from the Timpte Inc. Warranty Department. Any work performed prior to receiving authorization will not be covered under warranty.

The first purchaser* shall comply with the instructions of the Timpte Inc. Warranty Department related to a claim within 30 days of the date of those instructions or the warranty on that part of the trailer is voided. The Timpte Inc. Warranty Department will issue a claim number as authorization for approved warranty repair. Timpte, Inc. will not pay for any warranty work that was performed without a valid claim number. All transportation charges in connection to a warranty claim will be the sole responsibility of the First Purchaser*.

The First Purchaser's* sole and exclusive remedy against Timpte, Inc. arising from the purchase and use of the trailer, is limited to repair or replacement of defective materials or workmanship, as provided herein.

Timpte, Inc. may at its option require that the defective part or trailer be returned to an authorized Customer Support Center as determined by Timpte, Inc.

All warranty work must be performed at the location designated and approved in advance by Timpte, Inc. and to the specifications dictated by Timpte, Inc.

* "First Purchaser" means the first purchaser in good faith for a purpose other than resale.

** "Normal Service" means the loading and transportation of uniformly distributed loads of properly secured, noncorrosive cargo, in accordance with any applicable factory instructions and in a manner which does not subject the trailer or parts of the trailer to (a) concentrated loads, (b) loads in excess of the Gross Axle Weight Rating (GAWR) or Gross Vehicle Weight Rating (GVWR) stated on the Certification Plate affixed to the trailer by Timpte; (c) accidental damage or (d) stresses, impacts or shocks greater than those commensurate with normal, reasonable lawful use.

*** "Severe Duty" may include, but is not limited to the transportation of high concentration loads, abrasive and non-agricultural commodities, frequency of use and on or off road conditions.

**** "Normal and customary charges" are a sum not exceeding the price charged by Timpte, Inc. for such work.

Liability Limitations

TIMPTE SHALL NOT BE LIABLE TO THE FIRST PURCHASER* OR ANY OTHER PERSON FOR DAMAGES, DIRECT, INCIDENTAL, CONSEQUENTIAL, PUNITIVE, OR OTHERWISE FOR BREACH OF WARRANTY, FAILURE OR DELAY MAKING DELIVERY, OR ANY OTHER CAUSE, EXCEPT AS SPECIFICALLY SET FORTH IN THIS WARRANTY. IN NO EVENT WILL TIMPTE'S CUMULATIVE LIABILITY FOR BREACH OF THIS WARRANTY EXCEED THE PRICE CHARGED BY TIMPTE FOR ANY PART TO BE REPLACED PLUS NORMAL AND CUSTOMARY CHARGES ***FOR REPAIRS TO BE MADE UNDER THIS WARRANTY.

WITHOUT LIMITING FOREGOING, TIMPTE SHALL NOT BE LIABLE FOR ANY DAMAGES WHATSOEVER AS A RESULT OF CARGO LOSS, DOWNTIME, DRIVER, ROAD SERVICE, TOWING EXPENSE, TIRE REPAIR SERVICE, LOSS OF PROFIT, RENTAL OR SUBSTITUTE EQUIPMENT OR ANY OTHER TYPE OF LOSS DUE TO TRAILER PERFORMANCE. PREMIUM LABOR RATES (I.E. OVERTIME, SERVICE CALLS, ROAD SIDE/MOBILE SERVICE) WILL NOT BE PAID FOR WARRANTY REPAIRS.

THE WARRANTIES SET FORTH HEREIN ARE THE ONLY WARRANTIES APPLICABLE TO TIMPTE EQUIPMENT TRAILERS AND ARE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

TIMPTE'S OBLIGATION

In the event of a defect in material or workmanship covered by this warranty, Timpte Inc. in its sole discretion will:

- Correct the defective work or replace the defective parts at Timpte's factory or at a Timpte CSC or dealer assigned by Timpte.
- Or reimburse the **First Purchaser*** by paying a sum not exceeding the price charged by Timpte for such work or part,
- Or provide for repair of the defective parts by an authorized Timpte service facility.
- Or supply a replacement part to the **First Purchaser***, who will install at his own expense.

Filing a Warranty Claim

To file a warranty claim with Timpte Trailer Co. pursuant to the Timpte Limited Warranty – contact the Warranty Department at Timpte Trailer Co. at 402-367-3056 or write;

Timpte Inc.
Warranty Department
100 Timpte Parkway
David City, NE 68632

When filing a warranty claim several steps can be taken to aid the quick response to your request.

- **Have the Serial Number of the Trailer** – Everything is registered and logged off of the serial number. (Last six of the VIN#)
- **Know the In-Service Date** – This will help in determining what warranty coverage is available per the Timpte Limited Warranty.
- **Have Contact Information Available** – The correct name of the owner, and phone numbers are important to aid in the confirmation process and timely transfer of information.