

# Owners Manual



**KENTUCKY TRAILER**

*A Servant Leader Company*



# Factory OEM Service & Reconditioning Center & New Trailer Pick Up Location



*Do you need new capabilities from your old trailer or have you acquired a trailer that is not up to your standards?*

**Kentucky Trailer Services** can assist you in the following areas:

- ▶ Service and repair to all trailer and truck body brands
- ▶ Road service in the Louisville, KY area
- ▶ Scheduled and preventive maintenance inspections and service, including federal inspections
- ▶ Major and minor trailer component repair
- ▶ Wreck repair
- ▶ Recondition, restore, and rebuild trailers
- ▶ Trailer length extensions
- ▶ Satellite tracking system installation
- ▶ Lift gate installation and repair
  - Authorized dealer for Maxon, Leyman, Interlift and Waltco lift gates
- ▶ Automatic lubrication systems
  - Authorized dealer for Interlube systems
- ▶ Aftermarket accessories including, but not limited to:
  - Interior / exterior lighting
  - Interior / exterior camera and recorder installation
  - Automatic tire inflation system installation
  - Stainless steel accessories (e.g. steps, light protectors, door handles, corner cap protection plates)
  - Polished wheels, as well as, wheel and lug nut accessories

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**Kentucky Trailer Services** provides the same care and attention to detail that we place in building the legendary Kentucky trailer. Contact us today and bring new life to your trailer again.

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## **Kentucky Trailer Services - Louisville**

355 Farmington Avenue, Louisville, KY 40209  
(502) 638-6080  
(502) 638-1925 fax  
(866) 638-6080

Dan Murphy, SVP & GM of Kentucky Trailer Services  
(866) 638-6080 ext 211  
dmurphy@kytrailer.com

Doug Dixon, Operations Manager  
(866) 638-6080 ext 213  
ddixon@kytrailer.com

Zoran Jefcic, Reconditioning/Pre-owned Trailer Manager  
(866) 638-6080 ext 212  
zjefcic@kytrailer.com

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## **Kentucky Trailer Services - Los Angeles / Fontana, CA**

10151 Calabash Avenue, Fontana, CA 92335  
(909) 823-0100  
(909) 823-2448 fax

Doug King, Operations Manager  
dking@kytrailer.com

Rick Rini, Service Manager  
rrini@kytrailer.com

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## **Kentucky Trailer Services - Detroit / New Hudson, MI**

53000 Grand River Avenue, New Hudson, MI 48165  
(734) 738-1750  
(248) 586-5717 fax

*Do you need new paint and/or graphics applied to your trailer or have you acquired a trailer that is not up to your standards?*

**Kentucky Trailer Paint & Reconditioning** can assist you in the following areas:

- ▶ Expert painting capabilities on all trailers, truck bodies, cabs, tractors & other commercial grade vehicles using major paint manufacturers, such as DuPont, PPG and Valspar.
- ▶ Custom decal and graphics installation of all types and layouts.
- ▶ Trailer hard wood floor refinishing.

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**Kentucky Trailer Paint & Reconditioning**

provides the same care and attention to detail that we place in building the legendary Kentucky trailer. Contact us today and bring life to your trailer again.

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**Kentucky Trailer Paint & Reconditioning**

7070 International Drive  
Louisville, KY 40258  
(888) 598-7245 ext 735  
(502) 935-7383 fax

Scot Maggard, General Manager  
(888) 598-7245 ext 655  
smaggard@kytrailer.com

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**Before**



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**After**



## Five Year Warranty



### **Kentucky Trailer Five Year Trailer Limited Warranty**

***KENTUCKY TRAILER (the "Seller") warrants to the original purchaser from the Seller (the "Original Purchaser") of a new trailer manufactured by the Seller (a "Trailer") that the Trailer will be free of defects in materials and workmanship, when used in normal commercial service and when properly maintained, for a period of five (5) years from the date of delivery to the Original Purchaser (the "Express Written Warranty").***

### **ANY AND ALL WARRANTIES, INCLUDING THE EXPRESS WRITTEN WARRANTY, SHALL BE VOID WITH RESPECT TO A PARTICULAR TRAILER IF:**

A.) The total weight of a Trailer and its cargo at any time EXCEEDS the Gross Vehicle Weight Rating (GVWR) listed on the vehicle identification plate the Seller fastened to that Trailer (the "Vehicle ID").

B.) The loaded weight of any axle on a Trailer at any time EXCEEDS the Gross Axle Weight Rating (GAWR) listed on the Vehicle ID.

C.) The Trailer is not serviced and maintained in accordance with the Seller's recommended service schedule (sometimes called the preventative maintenance schedule) provided to the Original Purchaser in conjunction with the Vehicle.

D.) The Trailer is at any time (1) damaged in a collision or other accident, (2) overloaded, (3) loaded in a manner such that the weight is not properly secured or equally distributed, (4) not lawfully operated on well-maintained public roads, or (5) otherwise neglected or misused in any manner which produces unusual strain or impact.

E.) Any part or component of the Trailer has been altered, repaired, or replaced.

The Seller's sole obligation as a result of any breach of the Express Written Warranty shall be to REPAIR OR REPLACE, at the Seller's option, any defective part or component of a Trailer which results directly from the Seller's defective material or workmanship.

### **THE EXPRESS WRITTEN WARRANTY DOES NOT APPLY TO THE FOLLOWING (the "Excluded Items"):**

A.) Any component parts or other products manufactured or supplied to the Seller by other manufacturers or suppliers (the "Suppliers") and which are assembled or installed by the Seller on a Trailer.

B.) Parts exposed to the elements or subject to active wear and tear, electricity, or friction, including without limitation, overhead doors, floors, brake linings, brake drums, brake actuation components, oil seals, bearings, paint, lights and lamp bulbs, tires, suspensions, accessories and the like.

### **THE SELLER MAKES NO WARRANTY OF MERCHANTABILITY, NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, NOR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE EXCLUDED ITEMS.**

To the extent warranties from Suppliers (the "Supplier Warranties") are made available to the Original Purchaser by the Suppliers to cover any defective part or condition in a Trailer, the Seller shall use reasonable efforts to provide sufficient information to the Original Purchaser to enable the Original Purchaser to obtain direct warranty coverage or assistance from the applicable Supplier. However, Seller does not expressly or impliedly warrant that

any parts or accessories provided by Suppliers will be subject to, or meet the conditions of, any supplier warranties with respect to such parts or accessories.

**THE SELLER SHALL HAVE NO LIABILITY FOR ANY CARGO LOSS, LOSS OF USE, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE ORIGINAL PURCHASER'S PURCHASE OF ANY TRAILER, ANY DEFECT IN ANY TRAILER, OR ANY OTHER BREACH OF THE EXPRESS WRITTEN WARRANTY, REGARDLESS OF WHETHER THE DEFECT IS SUBJECT TO THE EXPRESS WRITTEN WARRANTY.**

The Seller's obligation under the Express Written Warranty to repair or replace the defective part or component is the Original Purchaser's **SOLE AND EXCLUSIVE REMEDY** for any breach of the Express Written Warranty.

**THE SELLER MAKES NO WARRANTY OF MERCHANTABILITY, NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, NOR ANY OTHER IMPLIED WARRANTY WITH RESPECT TO ANY TRAILER. THE SELLER MAKES NO EXPRESS WARRANTY WITH RESPECT TO ANY TRAILER OTHER THAN THE EXPRESS WRITTEN WARRANTY.**

The Express Written Warranty shall be in lieu of all other warranties, obligations or liabilities on the part of the Seller. No other warranties or other affirmations made outside this document shall be effective. The Seller neither assumes nor authorizes any person to assume for it any other liability in connection with the sale, alteration, repair or replacement of a Trailer or any part or component thereof.

**THIS WARRANTY IS NOT TRANSFERABLE BY THE ORIGINAL PURCHASER.**



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## Warranty repairs may only be authorized by the Kentucky Trailer Warranty Department

### *For Kentucky Trailer to honor warranty repairs, the following criteria should be followed:*

- ▶ Any repair facility, including the customer's preferred facility, may perform warranty repairs providing it contacts the Kentucky Trailer Warranty Department for prior authorization. Kentucky Trailer Preferred Service Centers are listed within this manual and on our website at [kytrailer.com/servicecenter](http://kytrailer.com/servicecenter). You are not required to use these preferred service centers. However, for any major repairs, Kentucky Trailer requests, yet does not require, that trailers are delivered to a Kentucky Trailer Preferred Service Center.
- ▶ Defective parts that are removed or replaced by a service provider may be requested and returned to Kentucky Trailer. The part will need to be tagged with the trailer's serial number and addressed to the Warranty Department's attention. The return of defective parts will be handled by the service center that will then complete the repairs.
- ▶ Please report any and all trailer repairs or problems to Kentucky Trailer as soon as possible. Although the issue may not require immediate attention, this will assist Kentucky Trailer in tracking current and future issues with your trailer and could lead to a possible extension of the manufacturer's warranty on certain items. If records indicate a problem or potential problem, Kentucky Trailer will help resolve the issue once notified.
- ▶ All warranty policies are in effect on the trailer shipment date.
- ▶ Upon request, photographs may be taken prior to work authorization. Please send photos to [warranty@kytrailer.com](mailto:warranty@kytrailer.com). Failure to follow these procedures may affect Kentucky Trailer's willingness and ability to assist with current or future warranty claims.

### *After Business Hours:*

Trailer breakdowns do occur after business hours. Please follow these steps to help limit your trailer's downtime. Please contact a Kentucky Trailer Preferred Service Center of your choice, or go online to [nntsbreakdown.com](http://nntsbreakdown.com) for a complete list of trailer repair and service centers by state.

- ▶ The trailer will need to be repaired in a timely manner in order to reduce your business down time.
- ▶ Before contacting a service center in your area, be sure to take a photo of the VIN plate, unit number and the defect or problem area.
- ▶ Next, contact the nearest service center. Please ask for the associate to take digital photos of the defective part or damaged area and send them to [warranty@kytrailer.com](mailto:warranty@kytrailer.com), along with full VIN number and date of manufacture. Also, provide your contact information to the service center for their records.
- ▶ Once the trailer repair is complete and you have made payment in full (required), ask the service center to scan and send a copy of the actual invoice and description of problem and solution to [warranty@kytrailer.com](mailto:warranty@kytrailer.com). Though e-mail is preferred, you may choose to fax information to 502-635-1314.
- ▶ On the next regular business day, contact the Kentucky Trailer Warranty Department at 888-598-7245.

## ***Please Note The Following:***

- ▶ All items are not covered by the Kentucky Trailer Warranty. Therefore, please use your own judgment on fees such as labor and materials used to repair your trailer.
- ▶ If warranty procedures are followed and the product in question is under warranty, Kentucky Trailer will perform an investigation. If the Warranty Manager discovers the part or parts are under warranty, the trailer's owner will receive reimbursement related to charges to repair the defective part.
- ▶ Kentucky Trailer WILL NOT reimburse any invoice from a service center that did not receive prior approval and a PO number from the Kentucky Trailer Warranty Department

For other Major Supplier Warranty Coverage, please see [\*\*kytrailer.com/warrantycoverage\*\*](http://kytrailer.com/warrantycoverage)

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## **Company Hours:**

8:00 AM - 5:00 PM, Monday through Friday  
(502) 637-2551  
(888) 598-7245 toll free

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## **Consumer regulations**

If you believe that your vehicle has a defect that 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 Kentucky Trailer. If NHTSA receives similar complaints, it may open an investigation. 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 Kentucky Trailer. To contact NHTSA, you may either call the Auto Safety Hotline toll-free at (800) 424-9393 or (202) 366-0123 in the Washington, DC area, or write to: NHTSA, U.S. Department of Transportation, Washington, DC. 20590. You can also obtain other information about motor vehicle safety from the Hotline.

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## **Canada consumer regulations**

If you believe that your vehicle has a defect that could cause a crash or could cause injury or death, you should immediately inform Transport Canada using the toll free number: 1 800-333-0510.

***For other major supplier warranty coverage, please see:***

[\*\*kytrailer.com/warrantycoverage\*\*](http://kytrailer.com/warrantycoverage)

# Preventative Maintenance Schedule



***To assure a long and useful life for your new Kentucky trailer, we recommend the following minimum maintenance schedule:***

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## **Disc Wheels:**

After the first 50 to 100 miles of operation, recheck the torque level and retighten nuts to the proper torque level. Recommended torque dry 450-500 foot lbs. Maintain nut torque at the recommended level through planned, periodic checks.

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## **Air Ride Suspension:**

Suspension should be serviced and inspected in accordance with suspension manufacturer's maintenance manual furnished with each trailer.

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## **General Inspection and Maintenance:**

### ▶ Trip Safety Inspection

It is recommended that a complete inspection be performed before each trip. Items such as lights, brakes, tires, oil level in hubs and landing gear operation should be checked.

### ▶ Minor Trailer Preventative Maintenance Inspection

Normal operation requires preventative maintenance to be performed at regular intervals.

- A. Perform Trip Safety Inspection
- B. Understructure and Running Gear
  - 1. Inspect for broken springs.
  - 2. Inspect hangers for excessive wear.
  - 3. Check air bags and shock absorbers.
  - 4. Inspect all other parts for excessive wear, looseness, or damage.
- C. Brakes
  - 1. Inspect brake operating parts for wear, damage and air leaks.
- D. Frame
  - 1. Inspect sub-frame body rails and cross members for damage, loose fasteners or cracks.

- 2. Inspect upper fifth wheel plate and kingpin for excessive wear or damage.

### E. Body

- 1. Inspect roof for leaks or damage (light or water test).
- 2. Inspect interior or exterior panels for damage.
- 3. Inspect for loose or missing rivets (including nylon rivets in ceiling).
- 4. Inspect doors and hardware (including holdbacks) for operation and damage.
- 5. Inspect door seals. If doors seals are torn or damaged, they should be repaired or replaced.
- 6. Inspect floors for abuse, damage, and/or deterioration.
- 7. Check Undercoating

Should undercoating show signs of pitting from road gravel and debris, or show signs of wear and/or cracking, undercoating should be touched up to prevent moisture from entering floor boards.

### F. Paint

- 1. Exterior of trailer should be washed regularly.
- 2. Commercial grade primers and top coats of polyurethane enamel should be used for touch-up.

### G. Lubricate

- 1. Lubricate all fittings and hinges.
- 2. Fill wheel oil reservoirs to proper level.

### H. Record Inspection Date



## Preventative Maintenance Schedule

### ► Major Trailer Preventive Maintenance Inspection

In normal over-the-road operation, it is recommended that this preventative maintenance inspection be performed at 50,000-mile intervals. Scheduled inspections will vary according to use in other operations, city delivery, short haul, off road, etc.

- A. Perform Trip Safety Inspection
- B. Perform Minor Trailer Preventative Maintenance Inspection
- C. Axles and Brakes
  - 1. Oil lubricated axles (with wheels removed)
    - A. Inspect all brake parts, linings, drums, etc. for wear and damage.
    - B. Clean and inspect bearings, wheels and hub; replace oil seals and refill to proper level.
    - C. Check axles for alignment.
    - D. Tighten all "U" or spring bolts to proper torque.
    - E. Reinstall all wheels and adjust bearings.
    - F. Adjust brakes.
    - G. Service air ride suspension in accordance with suspension manufacturer's maintenance manual.
- D. Floor undercoating
  - 1. Entire floor undercoating should be checked and renewed yearly. Severe conditions could require more frequent inspection and reapplication. If any undercoating is peeling, it should be scrapped off, entire floor cleaned, and new undercoating applied.

***Federal Motor Carrier Safety Regulations carefully detail inspection and maintenance procedures that must be observed. While primary responsibility for checks and adjustments may rest with the shop or mechanical department in most operations, a driver, for his/her own safety and the safety of others, should never take the condition of their tractor or trailer for granted. Accordingly, every driver should make thorough pre-trip inspections and on-the-road observations.***

## Anti-Lock Brake System

The following is general information regarding the Kentucky Trailer standard Meritor WABCO ABS brake system:



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### What Does the Trailer ABS Warning Light Mean?

The trailer ABS warning light indicates the status of the trailer ABS system. If it comes ON and stays ON, there is an ABS malfunction. It is normal for the lamp to come ON and go OFF to perform a bulb check, yet it should not stay ON when the vehicle is moving above four MPH. If the warning lamp indicates a malfunction, standard braking returns to the affected wheel, and the ABS still controls other monitored wheels. The trailer can be used in this condition but you should service the trailer as soon as possible.

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### What is a "Fault" in the System?

This means that part of the ABS is not working properly. This may be an existing fault (something that is presently not working) or an intermittent fault (something that only appears under certain driving conditions).

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### What Equipment is Required to Test for Faults?

The Enhanced Easy Stop system has built-in blink code diagnostics that are easily accessed by the ignition circuit and counting flashes on the ABS indicator lamp on the side of the trailer.

To access blink codes:

- ▶ Turn ignition ON for one second,
- ▶ Turn ignition OFF for one second,
- ▶ Turn ignition ON and count the flashes on the ABS lamp

The same code is displayed three times and then the lamp remains on. Once the fault is corrected, the lamp should go out upon system power up. Some sensor-related faults require that the trailer be driven at a speed of at least four MPH with the system powered up.

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### Blink Code Faults:

- 0- No faults
- 3- Sensor BU1 - Roadside front sensor
- 4- Sensor YE1 - Curbside front sensor
- 5- Sensor BU2 - Roadside rear sensor
- 6- Sensor YE2 - Curbside rear sensor

- 9- Modulator BU (roadside) fault
- 10- Modulator YE (curbside) fault
- 14- Power supply voltage below 9.5 or above 16 volts DC
- 15- ECU failure
- 17- PLC failure

There are additional fault codes that are rare. For additional ABS troubleshooting Questions, contact Meritor WABCO for assistance toll-free at 1-800-535-5560. Although not mandatory for fleets and dealers, Meritor WABCO has a comprehensive, PC-based diagnostics package available. This software allows the user to diagnose multiple and intermittent faults. The Meritor WABCO "TOOLBOX software" and related interface hardware is available from SPX Service Solutions at 1-800-328-6657.

The Pro Link hand diagnostic tools have cartridges available for Meritor WABCO ABS troubleshooting.

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### Most Frequent Type of Fault

The most frequent type of fault is a wheel sensor. The sensors are mounted on an axle bracket and positioned from zero to a maximum of .04-inch from the wheel hub teeth. The sensor wire is tie-strapped to the axle and plugs into another wire approximately one-foot from the wheel end. \*

*\* The most common problem is a sensor becoming unplugged or moving back from the hub, causing a gap larger than the system allows.*

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### Spread Axle ABS Feature

Trailers specified as spread axles are equipped with a safety override feature. This feature inflates the suspension bags to operational ride height at trailer speeds of 10 MPH or greater. This feature overrides functions such as lift axles and raising/lowering kits.

**PLEASE REFERENCE THE TROUBLESHOOTING GUIDE IN THE BACK OF THIS OWNER'S MANUAL FOR MORE DETAIL.**

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## Raise/Lower System

- ▶ Allows the temporary by-pass of the air ride leveling valve.
  - ▶ The lowering portion exhausts air from all the air bags and brings the suspension down to its lowest possible position. This reduces floor height and helps with loading and unloading operations.
  - ▶ The raising portion inflates the air bags to full extension to help prevent storage box damage during low-ground-clearance trailer positioning.
- NOTE: The raising portion can also be used to assist with dock height, providing fork lifts are not used or the suspension is not raised for an extended period of time. Improper usage will cause premature air bag failure and could affect the safe usage of the trailer.

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## Lift Axle Systems

### Raise When Not In Use Life Axle (Mover Plus)

- ▶ This system has a center-mounted lift bag to raise the axle off the ground several inches when the axle is not required. When the axle is needed, air is exhausted from the center lift bag and the two rear suspension bags are inflated to hold the axle down.
- ### Tight Turn Only Lift Axle (Super Bertha)
- ▶ This system uses a small lift bag on each air bag beam. The regular air bags exhaust and both small lift bags inflate to raise the axle slightly.
  - ▶ This is for tight turns only at slow speeds to prevent the tires from scuffing and causing suspension damage. Depending on the trailer load, the tires may leave the ground slightly.
  - ▶ Some trailer models will have a front and rear lift with a stationary middle axle. Raising the rear axle will assist with tight turns while raising the front axle will assist with backing the trailer.

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## Lowering System

- ▶ The lowering portion exhausts air from all the air bags and brings the suspension down to its lowest possible position. This reduces floor height and helps with loading and unloading operations.

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## Axle Dump System

- ▶ Helps in tight turns to prevent tire scuffing and suspension damage.
- ▶ This exhausts air from only the designated axle air bags.

**PLEASE REFERENCE THE TROUBLESHOOTING GUIDE IN THE BACK OF THIS OWNER'S MANUAL FOR MORE DETAIL.**

*The following is general information about the optional Meritor P.S.I. tire inflation system. A more detailed description is shown in their maintenance and technical guide at [psi.atis.com](http://psi.atis.com).*

**PLEASE REFERENCE THE MERITOR P.S.I. TIRE INFLATION SYSTEM WEBSITE FOR MORE DETAILED INFORMATION AT: [psi.atis.com](http://psi.atis.com)**

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## System Overview

- ▶ The tire inflation system uses compressed air from the trailer to inflate any tire falling below the designated air pressure. It delivers air to a leaking tire even when the trailer is being pulled down the highway.
- ▶ An indicator light mounted on the trailer's front corner will illuminate when the system is delivering an excessive amount of air.
- ▶ A one-way check valve protects each tire against a loss of air pressure. If a tire is punctured and loses air, the check valve will protect the other tires from also losing air.
- ▶ A pressure protection valve will only allow air to enter the tire inflation system when the brake system has sufficient pressure to operate.

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## Indicator Light on the Trailer Front Wall

- ▶ During the initial charging of the system, the indicator light may come on and remain on for up to 10 minutes, depending on system pressure and the vehicle's other air requirements.
- ▶ If the indicator light remains on for more than 10 minutes, inspect the tires and system components for leaks.
- ▶ If the indicator light comes on during transit, the system is charging and the vehicle should be checked for leaks.

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## How to Check Tire Pressure

- ▶ Remove the hand-tightened knurled fitting at the hubcap.
- ▶ Press the pressure gauge to the hose end and read the pressure.

# Optional Dome Light Timer



***Some trailers are equipped with an optional dome light timer. The purpose of this timer is limiting the time that the dome lights may remain on. A trailer's dome light may remain on during a long trip because they are powered by the blue (constant power) circuit. The dome light timer prevents this from happening***

The timer will allow the dome lights to operate for two hours from the time the switch on the front of the trailer is activated. The dome lights will blink at the end of the two hour period to notify the operator they are going to turn off. The operator may again reset the dome lights for another two hours by activating the switch on the front of the trailer.

There are two ways the dome lights can be turned off before the end of the two hour period. The first is turning off the tractor and thus cutting power to the trailer's blue circuit. Another option is simply unplugging the trailer from the tractor.

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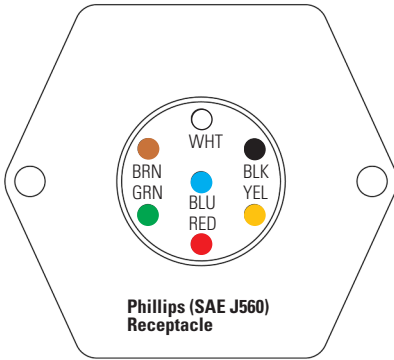
## Timer Specifications

Activation	Momentary toggle switch on front of trailer
"ON" Period	Two hours
Blink Sequence	The dome lights will blink during the last two minutes of the "ON" period before finally going off. These blinks will become more rapid as the two-minute period concludes.

**PLEASE REFERENCE THE TROUBLESHOOTING GUIDE IN THE BACK OF THIS OWNER'S MANUAL FOR MORE DETAIL.**

## Terminal Identification

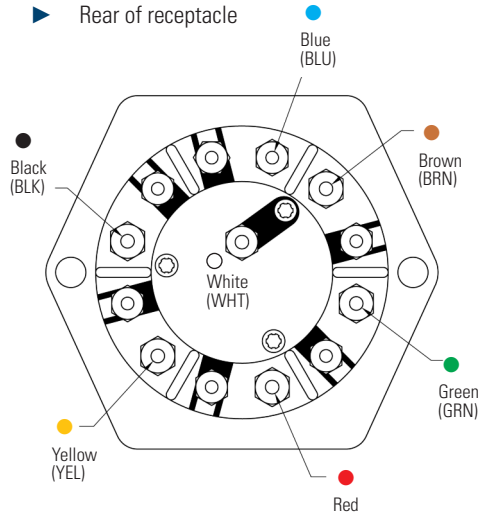
### ▶ Front of receptacle



### ▶ Connections

- Red - Stoplights
- Green - Right Turn
- Yellow - Left Turn
- Brown - Lower Marker Lights

### ▶ Rear of receptacle



- Black - Upper Marker Lights
- White - Ground (Returns to trailer body)
- Blue - Constant Supply and Auxiliary (*Domelights, raising & lowering kit, etc.*)



## Troubleshooting Guide

\* If any of the items listed below and to the left, are not functioning properly, please follow these steps.

For further questions please contact:  
**Technical Support 502-410-6012**

### Issues with items below?

#### Explanation of Kentucky Trailer auxiliary Circuit Powered Components

- ▶ ABS Brakes & Warning Light
- ▶ Tire Inflation System & Warning Light
- ▶ Dome Light & Dome Light Indicator
- ▶ Raise & Lowering Kit & Warning Light
- ▶ Auto Lubrication System
- ▶ Auxiliary Lighting & Internal Auxiliary Connection
- ▶ Scale Systems
- ▶ Lift Gate Charging Circuits

Make sure ignition switch and auxiliary power switch are on inside the cab. Be sure the seven-way cord between the tractor and trailer is connected. Turn dome light switch on, which is located on the nose box.

#### Is your dome light indicator light illuminated?

**YES**

Are dome lights or other auxiliary items now functioning properly?

**NO**

This indicates an issue within the tractor power supply circuit for the auxiliary power. Tractor must be taken for repairs to an Authorized Service Center for repairs, which is located in the Service Center section of this manual

**NO**

Problem exists in trailer and must be taken to an Authorized Service Center for repairs, which is located in the Service Center section of this manual

Once the vehicle has been started, the indicator light comes on while air system is charging.

#### Does your indicator light stay on longer than 10 minutes?

**YES**

A tire may be damaged and losing air pressure. Inspect tires for damage and air leaks. Repair damaged or leaking tires before returning vehicle to service. (If severe air leak is found, shut valve off at control box, located next to the trailer axle area. This will disconnect air to the system, allowing you to continue to the nearest service center.)

**NO**

No repair is needed

#### Does indicator light illuminate?

**NO**

This is a result of no voltage on trailer auxiliary circuit. Please look at "Explanation of Kentucky Trailer Auxiliary Circuit Powered Components" above for possible solution. After determining the auxiliary has power, please take trailer to the nearest Authorized Service Center, which is located in the Service Center section of this manual.

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### Trailer ABS Lights

- ▶ When the trailer ABS is not working properly, the normal braking system still functions.

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### Does the trailer ABS light come on when brake pedal is depressed?



This indicates a lack of power going from tractor to auxiliary circuit. This will cause the ABS light to illuminate when brakes are applied. Kentucky trailers are wired with an ABS system that receives power from an auxiliary circuit and brake light circuit.

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### The trailer ABS light remains on?



The light will go out once the trailer is in motion.

This indicates the tractor is equipped with an auxiliary circuit and is functioning normally.

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### The light does not go out once the trailer is in motion?



This indicates an issue within the ABS system. Visit the closest Authorized Service Center which is located in the Service Center section of this manual.

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### Why does the trailer ABS light stay on when the tractor and trailer are parked?

If the tractor is equipped with an auxiliary circuit that remains hot after ignition switch is off, the wiring on the tractor will need to be corrected. Please visit the closest Authorized Service Center which is located in the Service Center section of this manual.

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### The trailer lights do not work with the tractor courtesy switch on?

This indicates the tractor is wired incorrectly and has both the tail and marker light on the same circuit. To correct this, the tractor courtesy switch will need to be rewired to correct the circuit. Circuitry and wiring may also need to be checked in the 7-way tractor cord.

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### The air bags are not equally inflated?

Visually inspect the single leveling or dual leveling valve system, depending on your trailer. Next, check leveling valve mounting brackets or linkage for damaged or missing parts. Once this is completed, please find the closest Authorized Service Center which is located in the Service Center section of this manual.

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### Tail and Marker Lights

- ▶ For safety reasons, front and back top and bottom lights on Kentucky trailers are wired on different circuits. It is designed this way so if one circuit fails, the trailer will still have half the lights illuminated for night driving or when trailer is parked on road side.

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### Air Ride Suspension

- ▶ Operating a trailer with no air in the suspension could cause serious damage to suspension components