

THOROUGHBRED MOTORSPORTS



TRAILER OWNER'S MANUAL

THOROUGHBRED MOTORSPORTS, INC.

1-888-783-3348

www.Thoroughbred-Motorsports.com

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INTRODUCTION

NHTSA Notification

If your vehicle has or you feel your vehicle has a defect that could result in damage, physical injury or death please contact the National Highway Transportation Safety Administration (NHTSA) and Thoroughbred Motorsports, Inc. To contact the NHTSA, call 1-888-327-4236, contact them by web at www.safercar.gov, or write them:

Attn: Administrator

NHTSA

400 Seventh Street

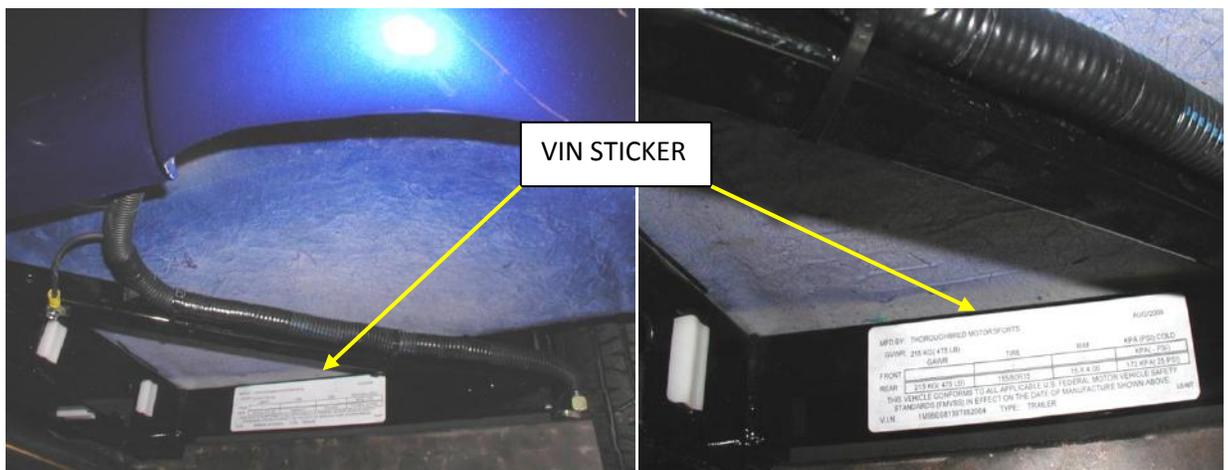
Washington, D.C. 20590

Note

Thoroughbred Motorsports, Inc. reserves the right to make design revisions or improvements without the obligation to enact these changes to previously produced models.

Vehicle Identification Number (VIN)

The vehicle identification number (VIN) is located on the front left side of the frame as shown below. It contains all the information regarding the specific unit including the date of manufacture, the wheel and tire sizes, the Gross Vehicle Weight Rating (GVWR) and Gross Axle Weight Rating (GAWR).



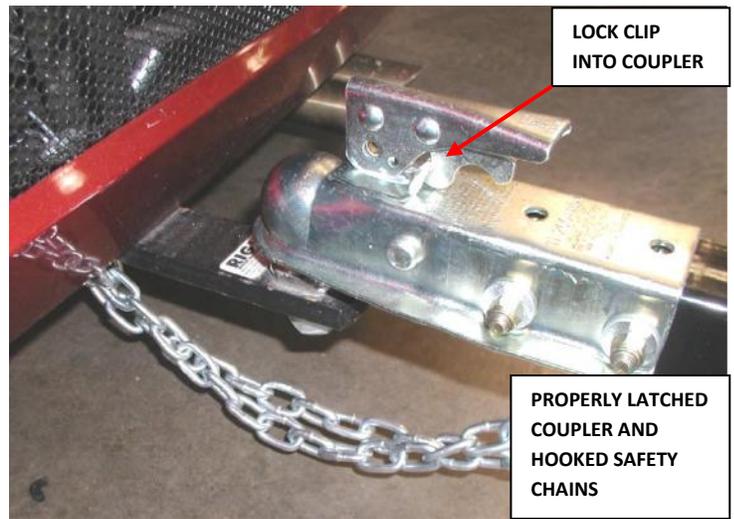
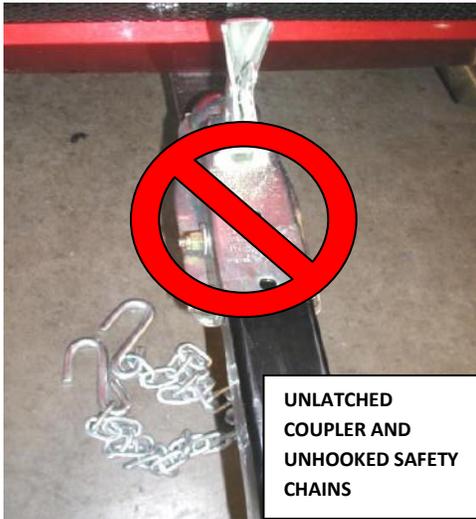
Safety

Please take time to review and get acquainted with the vehicle by reading and reviewing the owner's manual. Towing a trailer alters the vehicle's handling characteristics including braking, cornering, and acceleration. It is important to be familiar with the tow vehicle and the trailer in order to ensure a safe

and pleasurable experience. Do not exceed the recommended towing capacity of the tow vehicle or the weight capacity of the trailer.

Trailer/ Tow Vehicle Interface

The trailer is equipped with a 1 7/8” locking coupler and safety chains. This requires the tow vehicle to be equipped with a 1 7/8” ball. Before towing the trailer, fully **LATCH** and **LOCK** the coupler to the 1 7/8” tow vehicle ball and connect the safety chains to the intended location on the tow vehicle. Failure to properly connect and secure the trailer to the tow vehicle can result in vehicle damage, personal injury or death.



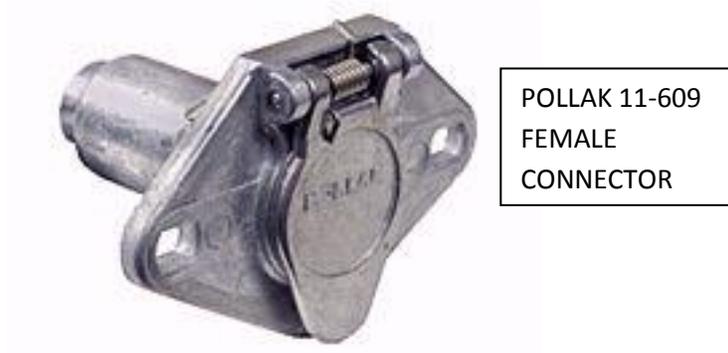
Trailer Specifications

BASE WEIGHT	265 LBS
MAX. INTERIOR DIMENSIONS	
Height	23 IN
Length	52 IN
Width	44 IN
VOLUME	18 CUBIC FT
OVERALL LENGTH	94 IN
OVERALL WIDTH	45 IN
GVWR	475 LBS

ELECTRICAL

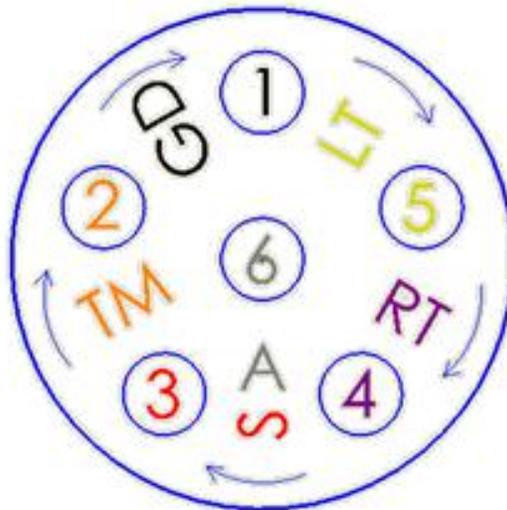
Connector

The trailer is equipped with a Pollak six-pin male connector. Thoroughbred Motorsports, Inc. recommends using a **Pollak 11-609** six-pin female connector on the tow vehicle.



The plug is wired as follows:

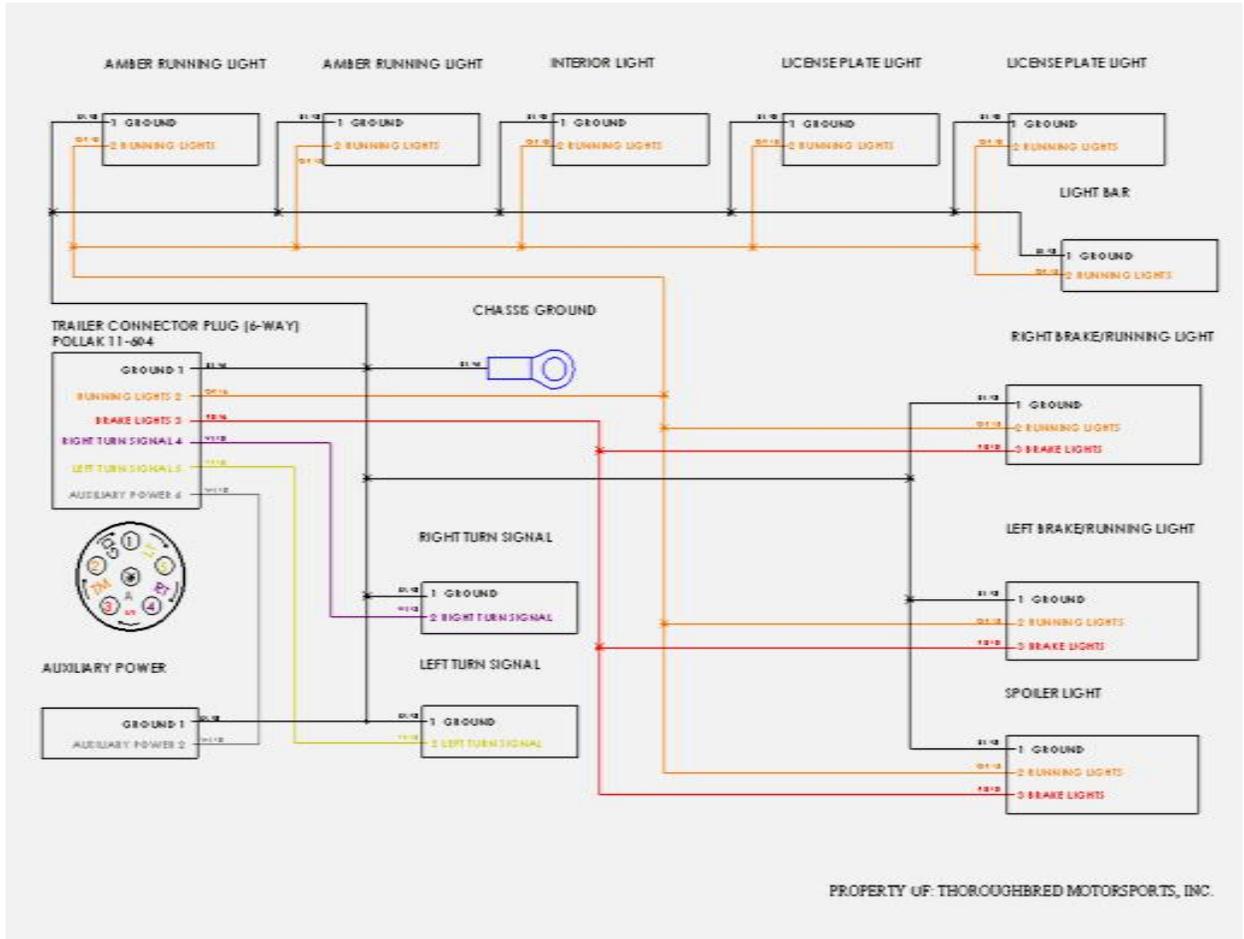
PIN #	COLOR	DESCRIPTION
1	BLACK	GROUND
2	ORANGE	RUNNING LIGHTS
3	RED	BRAKE LIGHTS
4	VIOLET	RIGHT TURN SIGNAL
5	YELLOW	LEFT TURN SIGNAL
6	WHITE	AUXILARY POWER



PIN DIAGRAM OF
THE TRAILER
CONNECTOR

Wiring Diagram

The trailer wiring harness is equipped with quick connect clips for each individual component. This is intended so that no wire splices or additions have to be made when additional components are added. The trailer wiring harness diagram can be seen below:



Lighting

The factory trailer lighting meets all Federal Motor Vehicle Safety Standards as of its manufacture date. Adding or removing lights or reflectors beyond those offered by Thoroughbred Motorsports, Inc. is not recommended due to local legal statutes. Replacement and optional lighting components can be found in the **Replacement/ Optional Components** section of the Owner's manual. In order to prevent injury or product damage, disconnect the trailer power supply before removing any lights or light assemblies.

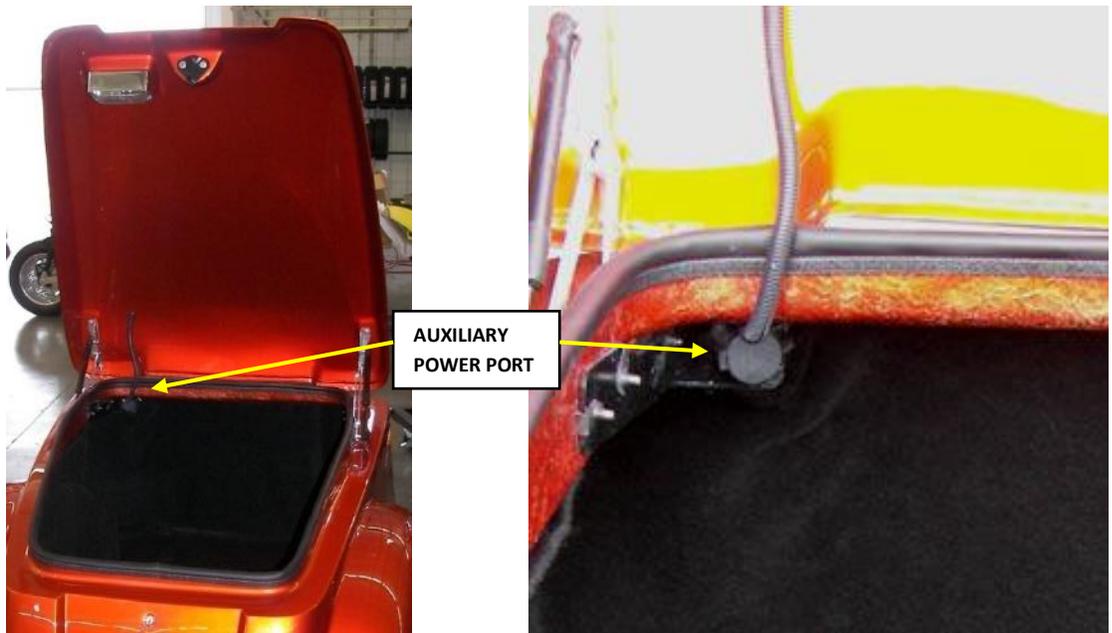
Replacement bulbs can be found at most local auto part stores. A table of replacement bulbs is shown below:

LOCATION	BULB
AMBER SIDE MARKER	1003
TURN SIGNAL	AMBER 7443
STOP/RUNNING	CLEAR 7443
LICENSE PLATE	1003
TRUNK LID	168

The interior light located on the underside of the lid in the cargo area is intended to be used for illuminating the cargo area while loading and unloading. The light must be turned **ON** and **OFF** using the toggle switch. Failure to turn the trunk lid light **OFF** while the tow vehicle is not running for an extended period of time can cause premature battery wear or damage.

Auxiliary Power

The auxiliary power port is located by the left hinge inside the cargo area of the trailer as shown below:

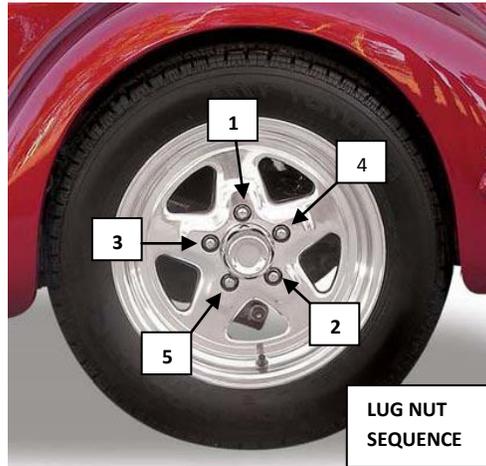


This fuse is designed for a maximum draw of 10 amps. Exceeding this limit will destroy the fuse. The auxiliary power fuse can only be replaced with another 10 amp fuse. Replacing this fuse with a higher capacity fuse may cause damage to your trailer and/or tow vehicles wiring.

MAINTENANCE

Lug Nut Torque

Upon delivery and after every 3000 miles, torque the wheel lug nuts. The recommended torque for the lug nuts is 85 ft*lbs. Follow the star sequence as seen below when tightening the lug nuts on the trailer.

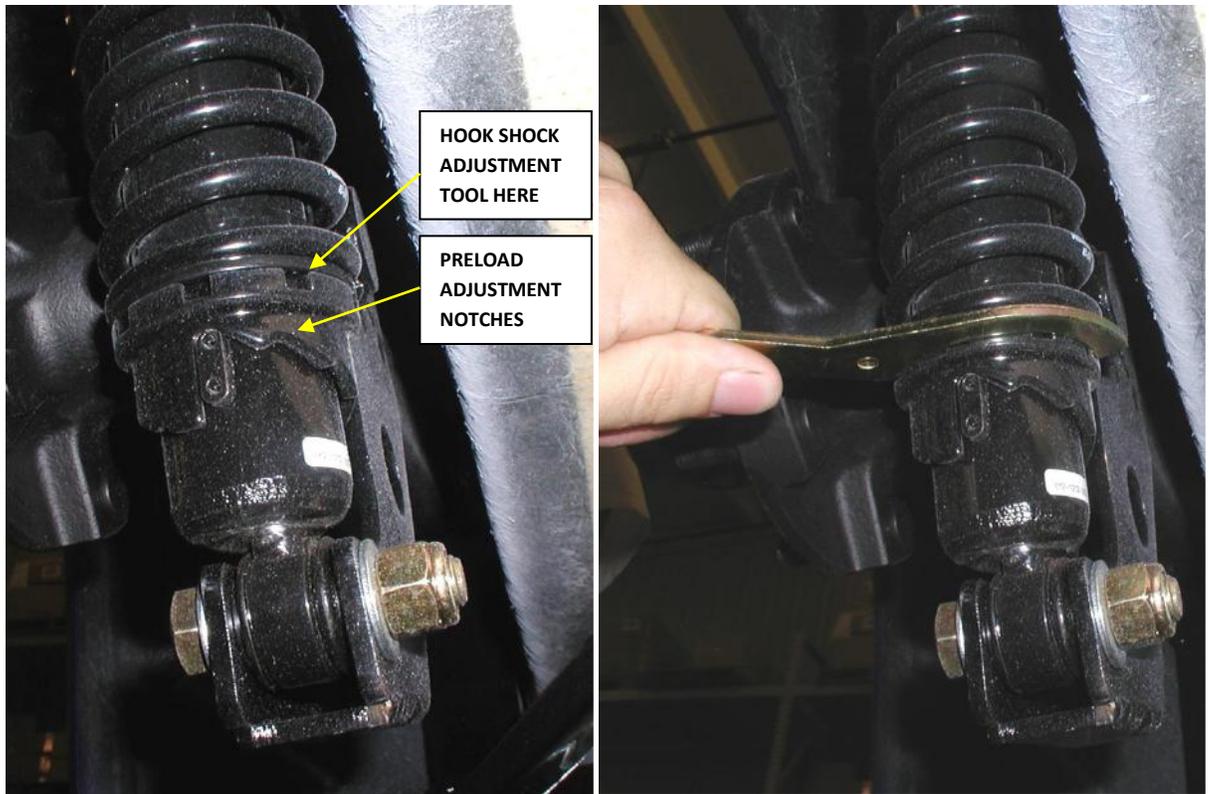


Suspension Adjustment

The trailer has an independent trailing arm suspension with adjustable shocks. The shock preload is set from the factory to accommodate the full range of the trailer weight capacity. However, the shocks can be adjusted to visually level the ride height of the trailer. Please note that this adjustment is not necessary for the trailer to function correctly if properly loaded. It is only necessary to visually level the trailer.



To adjust the shock, hook the end of the shock adjustment tool into the bottom portion of the shock and rotate the collar clockwise to raise the trailer to the desired setting. It is important that both shocks be set to the same setting. In order to prevent physical injury or vehicle damage, only remove one tire at a time with the opposite tire chalked and the vehicle on level ground.

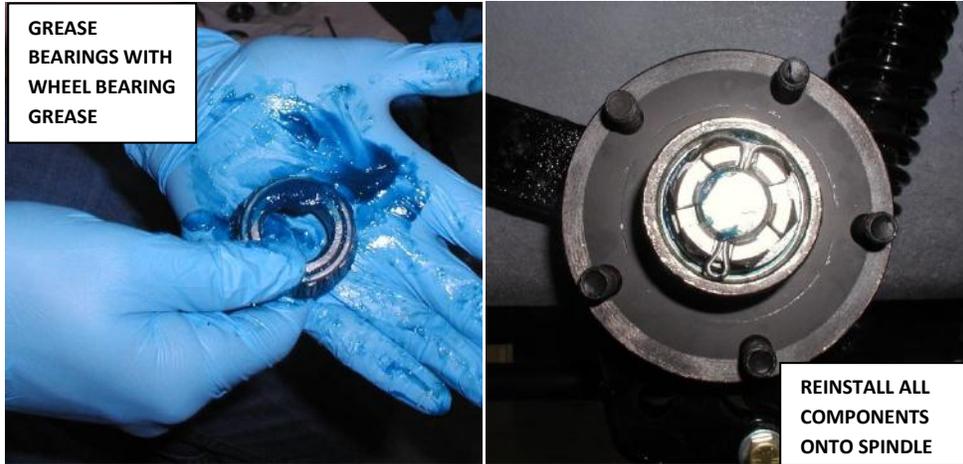


Wheel & Tire Specifications

In order to prevent tire wear and allow for optimum ride quality the recommended tire pressure is 25 P.S.I. cold. Under inflation or over inflation can result in decreased ride quality, loss of vehicle control, or premature tire wear. The recommended tire size is 155/80 R15. Changing tire and/or wheel sizes can result in damage to the frame, suspension components, tire, or wheel.

Hubs and Wheel Bearings

Proper lubrication is essential to the life of the wheel bearings. They should be lubricated every 12 months or 12,000 miles using wheel bearing grease. Thoroughly clean all of the components before reapplying the lubricant. When taking the assembly apart take care to note the order in which the components are assembled. Using a proper bearing packer designed for use with tapered roller bearings, grease the bearings and bearing races in order to ensure that they are lubricated properly.



Carefully reinstall the components and tighten the axle nut to 15 ft*lbs and then back the nut off one full turn. Retighten the axle nut to 5 ft*lbs, then align the closest slot to the cotter pin hole in the axle. Reinstall an unused cotter pin and original dust cover. In order to prevent physical injury or vehicle damage, only remove one tire at a time with the opposite tire chalked and the vehicle on level ground.

REPLACEMENT/OPTIONAL COMPONENTS

Thoroughbred Motorsports stocks a complete line of replacement and optional components for the trailers manufactured. Please contact your local dealer or Thoroughbred Motorsports Inc. at 1-888-783-3348 with the part number and description for any replacement or optional component needed. The list below is subject to change as more optional equipment becomes available.

REPLACEMENT/ OPTIONAL COMPONENTS

SUSPENSION/ HUBS/ WHEELS/ TIRES	
PART NUMBER	DESCRIPTION
TMRS-0235D	LEFT TRAILING ARM
TMRS-0237D	RIGHT TRAILING ARM
MTRS-00600	SUSPENSION BUSHING
TMRS-02460	SHOCKS
TMRS-02660	HUB/ BEARING/ SEAL KIT
TMFR-02190	SUSPENSION CAM
TMRS-02470	155/80 R15 TRAILER TIRE
TMRS-02610	STAR TRAILER WHEEL
TMRS-02620	SPORT SLOT TRAILER WHEEL
TMRS-02630	LEFT ROADHAWK WHEEL
TMRS-02640	RIGHT ROADHAWK WHEEL
TMRS-02650	TORQUE THRUST TRAILER WHEEL

BODY	
PART NUMBER	DESCRIPTION
TMBY-02490	LID GAS SHOCK
TMBY-02500	RIGHT LID HINGE
TMBY-02510	LEFT LID HINGE
TMBY-02530	GASKET SEAL
TMBY-02540	TOUNGE SLIDER CLIPS
TMBY-1310	LATCH STRIKER
TMBY-1320	LATCH
TMBY-01110	CABIN VENT
MTBY-00190	RED REFLECTOR
TMBY-02320	TRUNK CARPET
TMBY-02330	SMOOTH BODY BRA
TMBY-02340	EMBROIDERED BODY BRA

LIGHTING	
PART NUMBER	DESCRIPTION
TMEL-02020	TEAR DROP MARKER
TMEL-02030	CHROME DOME LAMP
TMEL-02040	AUXILIARY POWER PORT
TMEL-02050	GL-1800 TAIL LIGHTS
TMEL-02070	LICENSE PLATE LIGHT/BRACKET
TMBY-02590	PETERSON LIGHT BAR
TMBY-02630	KURYAKN LIGHT BAR

FRAME	
PART NUMBER	DESCRIPTION
TMFR-02110	1 7/8" COUPLER
TMFR-02770	POWDER COATED TONGUE
TMFR-02750	CHROME TOUNGE
TMFR-02100	SWIVEL HITCH