

Body Operator's Guide



Utilimaster Vehicles

Rev. B

Do not discard! This document contains important operation, safety, and maintenance information!

Customer Service

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The information in this document is generic. Details in illustrations and procedures may differ from those in your vehicle. Because Utilimaster manufactures many different customized vehicle bodies, this document cannot list and illustrate every possible option for every vehicle. Nevertheless, the most common body options are described here. Use this information as a guideline where it applies. Refer also to the **separate chassis operator's guide** supplied by the chassis manufacturer.

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Important Notices

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Title: Utilimaster Vehicles—Body Operator's Guide

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NOTE: Details in illustrations and procedures may differ from those in your vehicle. Because Spartan manufactures many customized vehicle bodies, this manual cannot list and illustrate every possible part in every vehicle. Nevertheless, the most common body options are described here. Use this information as a guideline where it applies.

Browse the web site http://parts.utilimaster.com for more information about Spartan and its Utilimaster products.



Sections marked with an asterisk (*) contain information pertaining only to Aeromaster walk-in vans. (See the Utilimaster Vehicles Overview section.) For equivalent features in other Utilimaster vehicles, see the relevant chassis operator's guide supplied by the chassis manufacturer.

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Introduction

Welcome...

Congratulations on operating a vehicle with a quality Utilimaster body. Utilimaster is dedicated to serving our customer's needs through the excellence of our products, services, and information.

This Operator's Guide provides **basic** operating information for vehicle bodies built by Utilimaster® Corporation. For information on the chassis and drive train, see the **separate chassis operator's guide** supplied by the chassis manufacturer. For additional technical (parts, service, wiring) documentation, see the references in the More Information and Publications section.

This guide also describes how to maintain the vehicle body, avoid injury or vehicle damage, obtain parts and service manuals, order parts, file warranty claims, and perform other services.

Please...

Please read and follow the instructions in this document for safe and optimal operation and maintenance of this vehicle.

Refer to the **Contents** pages for general information sections and the Index pages for particular (alphabetized) topics. Section locations can also be found in the **Index**.

Please keep this important document in your vehicle for reference. If the vehicle is ever sold, please leave this document in the vehicle for the next owner.

Note...

All information, specifications, and illustrations contained in this manual are based on the latest product information available at the time of publication. However, because of Spartan's policy of continual product improvement, the information contained in this document is subject to change without notice.

Notices, Cautions, and Warnings

As you read through the this document, you will encounter NOTES, CAUTIONS, and WARNINGS. Each has a specific purpose.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

A CAUTION

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices NOT related to physical injury.

MARNING

Operating, servicing and maintaining a passenger vehicle, pickup truck, van, or off-highway motor vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information go to www.P65Warnings.ca.gov/passenger-vehicle

Body Operator's Guide

"Before You Go" Inspection Checklist

Before driving, you should inspect the vehicle for proper operation. Some important points to inspect are the following.

	Visually inspect the tires for possible underinflation or damage. See the Important Tire Information section under Operation Safety Considerations . At least weekly, test the tire inflation pressure with a quality pressure gauge.
	Check the washer fluid level.
	Check all lights. Exterior lights must illuminate properly to meet Federal Motor Vehicle Safety Standards for nighttime operation of the vehicle.
	Check the operation of all doors.
	Adjust the driver's seat position.
	Adjust all mirrors.
	Inspect, fasten, and adjust the seat belt.
	When starting the engine, check all warning lights on the instrument panel.
	Check the fuel gauge.
	Check the heater and defroster controls operation.
	Check the wiper operation.
	Check the washer operation and spray pattern.
	Check all switches on the dash and the steering column for proper operation.
	Check other options, such as a rear vision camera system.
Che	items to be checked every three or four months, see the Maintenance exclist section. For more detailed service instructions, see the More ormation and Publications section.

Body Operator's Guide

Utilimaster Vehicles Overview

Aeromaster® (Walk-in) Vans

Also known as "step vans," these custom-built bodies have walk-through doorways to custom-built cabs. From the outside, the driver "steps up" or "walks into" the extra tall cab of our Aeromaster. Once inside, the driver can access the cargo area without having to exit the vehicle. Many possible chassis and body combinations exist.

Parcel Delivery Vans (PDVs)

Also known as "high cubes" or "cutaways," these custom-built bodies have (optional) walk-through doorways from the cargo area to the original van cabs. Drivers can (optionally) access the cargo area without having to exit the vehicle. Popular PDVs manufactured by Utilimaster include the compact and economical **Metromaster**[®], the larger-capacity **Utilivan**[®], and the tool-carrying **Trademaster**[®] lines.

Truck Bodies

These are custom-built bodies with the original truck cabs. Bodies can be of DuraPlate®, aluminum, or FRP construction. The custom bodies have rear swing or roll-up door options. Lift gates, side stepwell doors, translucent roofs, liners, ramps, and cabovers are among the many other options.

NOTICE

Your type of vehicle and installed options determine the relevance of the various sections of this manual.

- Some sections have information common to most Utilimaster vehicles.
- Other sections pertain only to Aeromaster walk-in vans since PDVs and truck bodies have the original chassis cabs with original hoods, HVAC, wipers, and other cab-related equipment. The Aeromaster-specific sections have an asterisk (*) in the heading.
- Other sections (e.g., overhead vs. swing doors) depend on what options are installed in a particular vehicle.

Strip Chassis and Aeromaster Walk-in Body





Cutaway Chassis and PDV Body





Cab Chassis and Truck Body

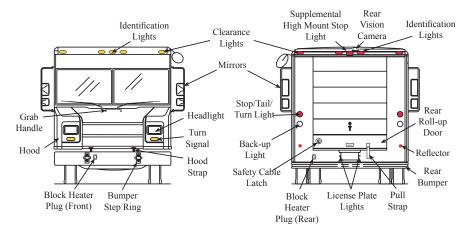


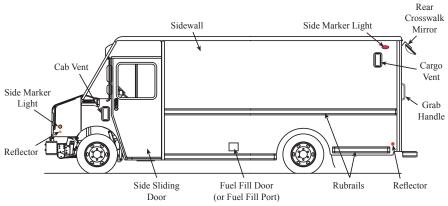


Chassis Types and Respective Utilimaster Bodies

Typical Vehicle Features and Options

These are some typical features and options. Most are explained in the alphabetized **Features and Options** section.





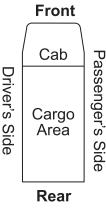
Typical Aeromaster Body Features and Options



The information in this document is generic. Details may differ from your vehicle. Use this information as a guideline where it applies.

Vehicle Orientation

Some features and options may be dependent on which side they are located **Passenger's side** (RH—Right Hand), **Driver's side** (LH—Left Hand) based upon the position of the driver while facing forward. In addition, other features and options are specific to the driver's cabin (Cab) area forward of the bulkhead wall or specific to the **Cargo Area** rear of the bulkhead ore front wall.



Vehicle orientation

A CAUTION

To avoid colliding with another vehicle or obstacle, be sure you always have sufficient overhead and side clearance. Take extra care when backing up.

Features and Options Accessory Outlet and Lighter*

A CAUTION

Do NOT prevent the cigarette lighter from popping out after it is heated. The element may overheat, damaging the lighter and heating element.

Connecting unauthorized devices to the vehicle's wiring can potentially cause vehicle malfunction, damage, fire, personal injury, and/or voiding of the warranty. Contact Utilimaster before connecting any devices to the vehicle's wiring other than plugging into a supplied accessory outlet (cigarette lighter).

To use the optional accessory outlet for power, insert the plug of the desired device (e.g., cell phone charger, spotlight).

To use the optional cigarette lighter, push in the lighter. Do NOT hold the lighter in this position. It will pop back out when it is hot.

NOTICE

Your type of vehicle and installed options determine the relevance of the various sections of this manual.

- Some sections have information common to most Utilimaster vehicles.
- Other sections pertain only to Aeromaster walk-in vans since PDVs and truck bodies have the original chassis cabs with original hoods, HVAC, wipers, and other cab-related equipment. Aeromaster-specific sections have an asterisk (*) in the heading.
- Still other sections (e.g., overhead vs. swing doors) depend on what options are installed in a particular vehicle.

The information in this document is generic. Details may differ from your vehicle. Use this information as a guideline where it applies.

Battery Access

A CAUTION

Batteries that are improperly connected, jumped, or charged can potentially explode and spew acid, causing vehicle damage and personal injury. Carefully follow the chassis manufacturer's recommendations for those procedures.

Battery posts and related accessories may contain lead and lead compounds. Wash hands after handling.

Vehicles with original cabs (Truck Body and PDV styles) as well as Aeromaster walk-ins on E-Series Ford chassis usually store the batteries under the hood.

Aeromaster walk-in vans on Freightliner and Ford F59 chassis store the batteries under the right-hand stepwell. The access cover is held in place by Utilimaster's MagFast® hold-downs. This magnetic system eliminates rubber hold-down straps and thumbscrew fasteners. No tools needed, just lift firmly to access the batteries.



Battery Under the Hood



Magnetic Lid in Stepwell



Battery Under the Stepwell Lid

Battery Remote Jump Start Posts

A CAUTION

Consult the chassis operator's guide supplied by the chassis manufacturer for instructions on connecting, jumping, and servicing the battery. Improper procedures may result in vehicle damage and personal injury.

Your truck may be equipped with remote jump start terminals under the hood.



Remote Jumpstart Posts Under the Hood

Block Heater Plug

ACAUTION

Unplug the cable from the block heater plug before starting and driving the vehicle.

An electrical port for the engine block heater may be provided at the back of the vehicle or near the hood. Be sure the port cover closes securely after removing the cable. Be sure to unplug the cable before starting and driving the vehicle.



Block Heater Plug



The information in this document is generic. Details may differ from your vehicle. Use this information as a guideline where it applies.

Dash Overview

For vehicles with original cabs (Truck Body and PDV) styles see the chassis operator's guide supplied by the chassis manufacturer. The items featured in this section are found on dash panels of Aeromaster walk-in vans. For information about the instrument panel gages, indicator lights, transmission shifter, and steering column controls, see the chassis operator's guide.

Air Louvers

When the fan is on, you can direct the flow of air where you want by rotating circular vents on the dash panel. When the heater control lever is set to defrost, most of the air flow is directed through the defrost ducts near the window and only a small amount of air comes through the air louvers. As the floor control lever is moved to the right or left or the mode control knob is rotated, varying amounts of air will be directed through the louvers and the floor ducts.

To direct even more air to the defrost or to the floor ducts, close the louvers by rotating them on their pivots approximately 90 degrees or by closing the movable vanes.

Dome and Cargo Light

The optional cargo switch is usually on the left side of the dash panel. A dome light control may be a separate rocker switch or part of the headlight switch. See also the **Lights** section.

Fuse Panel

The fuse panel is usually mounted on the lower left side of the dash panel. See the chassis operator's guide supplied by the chassis manufacturer for more details.

Hazard Light Switch

The hazard switch is typically located on the dash or the top of the steering column and controls the flashing of lights on the body. The hazard lights work with the engine on or off and with or without the ignition key. See the chassis operator's guide supplied by the chassis manufacturer for more details.

Headlights and Parking Lights

A CAUTION

Halogen headlight bulbs operate at very high temperatures. Use gloves when handling halogen bulbs. Do NOT touch the bulb with your fingers. Oil residue from fingers can greatly shorten the life of the bulb and cause it to shatter during operation. If the bulb is touched, clean the bulb with isopropyl alcohol.

See the **Lights** section. See also the chassis operator's guide supplied by the chassis manufacturer for more details.



Always replace a light with one of the same size, shape, wattage, and color.

Doors

Bulkhead Door

Types of Latches

The door allows you to enter the cargo area from the cab without having to exit the vehicle. Various types of bulkhead door latches exist, including plungers and sockets, finger pulls, and keyed locks. Operation of the bulkhead door varies with the vehicle options.

Nonlocking Doors

For doors held in open or shut position by a rubber plunger and socket, simply push the door the desired direction until it is secured by the latch.

For doors with a finger pull or cable, pull down on the latch until the door is free to slide.

For doors with lever handle latches, push the top of the handle in the direction you wish the door to travel.



Bulkhead Door Finger-Pull Latch (Cab Side)



Bulkhead Door Finger-Pull Latch (Cargo Side)

NOTICE

Even though some bulkhead and rear doors lock automatically when they are fully closed, you cannot become accidentally locked inside the cargo area (Aeromasters and PDVs). From inside the cargo area, you can open the bulkhead and rear doors without a key.

Locking Doors

To **open** the door **from the cab side**, insert and turn the key in the lock and push the door open.

To **open** the door **from the cargo side**, push the door latch lever and slide the door open.

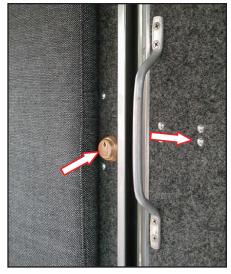
To **close** the door, slide the door closed until the latch catches. The door automatically locks (dependent on options).

Cab Sedan Doors*

Sedan doors are **hinged** at the front like standard automotive doors.

To **open** the door (from the inside or outside) operate the handle and either pull from the outside or push from the inside.

To **close**, merely swing the door closed firmly enough for the latch mechanism to catch



Bulkhead Door Lock (Cab Side)



Bulkhead Door Lock (Cargo Side)

To **lock** the door from the inside, locate the knob at the top of the interior latch and push down. To **unlock** the door, pull the knob up.

Cab Sliding Doors*

NOTICE

Aeromaster handle and locking options vary. Some of the most common types are described here.

The information in this document is generic. Details may differ from your vehicle. Use this information as a guideline where it applies.

To **open** the door (from the inside or outside) unlock it and push the tip of the handle toward the rear of the vehicle. The handle unlatches the door so that you can slide the door toward the back of the vehicle. Once the door is completely open, the latch holds the door in position.

To **close** the door, push the top of the handle toward the front of the vehicle and slide the door forward until the latch mechanism catches.

To **lock** the doors from the **inside**, locate the pull lever below the interior handle on K-style handles and push up. Alternately, H-style handles, rotate the knob at the top to the left "L" position. To **unlock** the door, pull down on the lever or rotate the knob to the right "U" position.

NOTICE

Typically, when the interior lock is engaged, the key cannot open the lock from the outside.



Exterior Side Door Handle and Locking Push-button



Interior Side Door Handle and Lock

AWARNING

To maintain safety and security, do NOT drive with door(s) open.

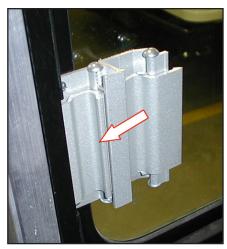
NOTICE

If you have this type of pushbutton lock, be sure you do not leave your keys inside the vehicle and lock yourself out.

For **some** handles, to **lock** the doors from the **outside**, push in the lock button at the bottom of the handle. Alternately, insert the key and rotate the top of the key toward the rear of the vehicle. To **unlock** the door, insert the key and rotate the top of the key toward the front of the vehicle.

For **some** handles, to lock the doors from the outside, insert the key, rotate it clockwise 45°, push the button in, rotate it counterclockwise 45°, and remove the key. To unlock, insert the key, rotate it clockwise 45°, release the button, rotate the key counterclockwise 45°, and remove the key.

On the sliding door, the top **window** typically opens and closes by pressing the window latch and sliding the window to the desired position. On driver's side doorless panels, the window typically opens and closes by rotating a window crank.



Sliding Door Window Latch

NOTICE

With this type of lock, you cannot lock yourself out.

For vehicles equipped with the "keyless entry" VACS (Vehicle Access Control System), see the separate operator's guide for instructions.

The information in this document is generic. Details may differ from your vehicle. Use this information as a guideline where it applies.

Compartment Door

Rotate the circular D-ring handle (either way) until it unlatches and pull the door open. Closing the door firmly will automatically latch the door.

The keyed lock can be **locked** by inserting the key, rotating it clockwise 90°, and removing it. Rotating the key counterclockwise 90° will **unlock** the door.



Compartment Door Handles

Door Ajar Light*

Some vehicles are equipped with a door ajar light on the dash that illuminates when a door isn't completely closed. The keyless ignition option may also disable the vehicle from being started if all the doors are not properly closed.



Door Ajar Light

Door Keys

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Make a spare set of all keys and keep them in a secure place. Take the key from the ignition when leaving the vehicle.

NOTICE

In Aeromasters, keys that open the doors are typically not the keys that start the engine.

Even though some bulkhead and rear doors lock automatically when they are fully closed, you cannot become accidentally locked inside the cargo area (Aeromasters and PDVs). From inside the cargo area, you can open the bulkhead and rear doors without a key.



Sample Cargo and Ignition Keys

Power Door Locks*



Utilimaster offers various configurations of power lock systems. These instructions describe the most typical functions. Each system is supported by its own user's guide provided with each truck.

Since many configurations are available, take time to become familiar with your system. The general principles are described here, but are highly dependent on a particular configuration.

The power locks serve as dead bolts. Any keyed handle locks must also be unlocked to open the doors.

The information in this document is generic. Details may differ from your vehicle. Use this information as a guideline where it applies

Utilimaster Access System (UAS)

The most common Utilimaster keyless entry and keyless ignition systems is based on the UAS platform. UAS typically uses a one-button transmitter (FOB) that performs different functions depending on the sequence of pressing the button. The different UAS versions have slightly differen FOB functions

Typically pressing the button once will unlock the cab doors for approximately eight seconds. For the keyless ignition option, pressing the

button also sets the system in "READY" mode.

Pressing the button twice in secession or holding the button down unlocks the other door depending on the specific proamming.



Transmitter (FOB)



Keyless Ignition Switch on Dash

In some cases there is a push-button switch in the cargo area near the door to released the lock.

All of the doors with an electronic latch can be opened by manually sliding the bolt back to prevent someone from being locked in.

In addition, keyless systems include a manual key override on at least one of the doors.

All doors automatically lock when closed or when the system times out after approximately eight seconds.

Each keyless entry system is supported by its own user and service manuals.

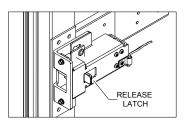
RFID (Radio Frequency IDentification)

Utilimaster RFID keyless entry and ignition system uses a wristband style transmitter that when in proximity of a "reader" at each individual door unlocks only that specific door.

The RFID system includes a manual key override at the rear roll-up door.

All doors automatically lock when closed or when the system times out after approximately eight seconds.

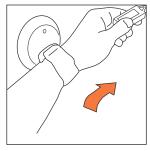
Each keyless entry system is supported by its own user and service manuals.



Sliding Door Latch



Manual Key Override (Shown at the RH Cab Door)



Wristband style RFID Reader

Rear Cargo Doors

Rear cargo doors come in various styles. Operation of the rear door varies by the manufacturer or the options chosen with your vehicle.

AWARNING

A moving door can cause injury or death. Stand clear of the opening while the door is moving.

Rear Roll-Up Door

Master Security (Banana) Lock

To unlatch the door, rotate the catch and then rotate the "banana" lock lever counterclockwise until it catches in the open position.

NOTICE

Most doors with "banana locks" typically have no built-in keyed lock. The driver must supply a padlock to secure the door if desired

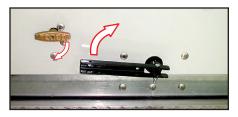
Although most banana locks have no means of releasing the latched door from inside the cargo area, if the vehicle has an optional interior release lever, rotate the catch release knob 90° and rotate the lock lever about 180° clockwise to unlatch the door

NOTICE

To prevent damage to the cargo or vehicle, be sure that the rear door is closed and latched before driving the vehicle.



Opening a Banana Lock



Optional Interior Banana Lock Release



Closing a Banana Lock

To latch the door (from the exterior), rotate the catch and then rotate the "banana" lock lever clockwise until it catches in the closed position.

Slam Lock

Slam locks automatically lock when the door is completely closed.

NOTICE

After closing the door, pull up on the handle to ensure the door is latched and not merely appearing to be fully closed.

To enter the cargo area from outside the vehicle, disconnect the safety cable (if equipped) by rotating the latch counterclockwise until you can pull the cable off the peg. The safety cable prevents the door from accidentally opening while the vehicle is in motion.

Insert and turn the key in the lock. While pressing down on the bottom handle to relieve tension on the door before opening, turn the handle.

To close the door from the outside, push the door down until it locks. Place the safety cable (if equipped) in the safety cable latch by rotating the latch counterclockwise until you can slip the cable over the peg.

To exit the cargo area from the inside, pull the ring in the lower corner of the door on the driver's side to unlatch the safety cable (if equipped) and then pull the door lever to the right to unlatch the door mechanism.



Safety Cable Latch



Roll-up Door Handle and Lock



Even though the bulkhead and rear doors lock automatically when they are fully closed, you can open the bulkhead and rear doors without a key from the cargo area interior.

AWARNING

A roll-up door counterbalance spring is wound under high tension. Only qualified technicians should adjust this spring.

Failure to secure cargo will increase the risk of injury in a collision or sudden stop.

A CAUTION

Do not use the rear door pull strap to support yourself when entering or exiting the rear. The strap can break or pull the door down upon you. Use the grab handles to aid getting in and out of the back.

NOTICE

If the lock sticks, relieve the tension on the door by pressing down on the door while pulling the door lever.

To prevent damage to the cargo or vehicle, be sure that the rear door is closed and latched before driving the vehicle.



Interior Safety Cable Release Ring



Interior Door Release Lever

Rear Swing Door

General Information

A CAUTION

To prevent possible injury caused by wind blowing the door closed, ensure that open doors are securely latched or seated in their catches.

Bi-folding swing doors may have one, two, three, or all four panels open and secured



To **open** the door:

- 1. Unlock and remove the padlock (if present).
- 2. Rotate the handle's upper latch up with one hand.
- 3. With the other hand, pull the handle up and away from the door.
- Rotate the handle until the (upper and lower) cams are free from their catches and then pull the door open.

To close and latch the door:

- 1. Push the door closed.
- 2. Engage the cams in their catches.
- 3. Rotate the lever back to its home position (while holding the handle's latch out of the way).
- 4. Tug on the door to confirm it is latched.



Securing Open Swing Doors



Bi-folding Swing Doors

Dead Bolt

To **open** the door:

- 1. Unlock the keyed lock or remove the padlock (if appropriate).
- 2. From the home position, rotate the handle to the right.
- 3. Pull the door open.

To **close and latch** the door:

- 1. Firmly push the door closed.
- 2. From the home position, rotate the handle to the left and then back down to the home position.
- 3. Tug on the handle to confirm it is latched.

Slam Lock

To **open** the door:

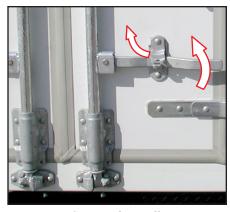
- 1. Insert and turn the key in the lock (if appropriate).
- 2. Rotate the handle to the right and pull open the door.

To close and latch the door:

- 1. Firmly push the door closed.
- 2. Tug on the handle to confirm that it is latched.



Handle appearance and operation may differ from those shown in these illustrations.



Cam Lock Handle



Dead Bolt Handle



Slam Lock Handle

Fuel Fill Port

Be sure to use only the appropriate diesel or unleaded gasoline fuels.

Always replace the cap after filling. If it has the optional locking door, use the key to access the cap.



Be sure to use only the appropriate diesel or unleaded gasoline fuels. Always replace the cap after filling.



Fuel Fill Port

Hood*

36

A CAUTION

In vehicles where the right hood strut doesn't automatically lock, the hood support rod should always be engaged to avoid possible injury from the hood accidentally closing.



Hold-Down Strap

NOTICE

Some hood struts automatically lock in the opened position. Do NOT close the hood without first pressing the orange button on the passenger side gas strut to disengage the safety locking mechanism. Forcing a hood to close without releasing the lock will severely damage the hood and will not be covered under warranty.

To **open** the hood:

- Release each of the hold-down straps securing the hood by pulling them away from the catches.
 These latches will be either at the front of the hood or on both sides.
- 2. Pull the hood completely open to secure the hood safety mechanism on the locking gas strut. If the hood does not have a locking strut, engage the hood prop rod.



Locking Hood Support Strut with Release Button



Hood Prop Rod

To **close** the hood:

- Return the hood prop rod to its original position or press the orange release button on the locking gas strut.
- 2. Lower the hood.
- 3. Engage the hold-down straps by pulling up and slipping the bulb over the front retaining clip or by engaging the side catches and snapping them tight.

Heating Ventilation Air Conditioning (HVAC)

Electronic Controls*

The heating system is controlled by three knobs located on the dash panel.

The top knob on the heater control face controls the fan speed. Turn the knob clockwise to increase the fan speed. Turn it counterclockwise to decrease the fan speed.

For a warmer airflow, turn the middle temperature control clockwise (toward red). For a cooler airflow, turn the temperature control counterclockwise (toward blue).

The bottom knob (mode control) directs the airflow to the defroster outlets, the floor ducts, or some combination of the two.

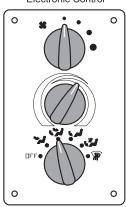
Intake Filter*

Aeromaster bodies have a removable air filter under the hood that reduces the airborne debris into the driver's cabin. Check and clean this filter every three to four months or more often in dusty conditions.

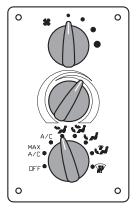


HVAC Filter





Heat and A/C Electronic Control



HVAC Controls

Ventilation Fan*

The optional gimbal-mounted fan is mounted on the header shelf and operated by a switch on the dash. Adjust the tilt and direction of the fan as desired. The ignition switch must be on for the fan to run.



Ventilation Fan

Vents

Butterfly

The vehicle may be equipped with butterfly vents in the cargo area. To open or close, slide the handle bar at the bottom of the vent's grille or rotate the louver

NOTICE

The information in this document is generic. Details may differ from your vehicle. Use this information as a guideline where it applies.

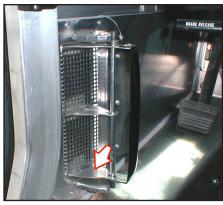




Butterfly Vents

Hingeless

The vehicle may be equipped with two-way hingeless vents in the cab and/ or cargo area. To open, squeeze and move the handle bar toward the front or rear of the vehicle. Moving the handle toward the front of the vehicle opens the vent scoop into the moving air stream when the vehicle is moving. The handle mechanism has detents that allow the vent to catch at different angles. To close, move the handle to the center position.



Hingeless Vent

Roof

In the cargo area, exhaust the hot air through the optional roof vent by manually rotating the baffles that cover the vent holes or by turning a crank that raises the vent's cap. Optional powered roof vents are controlled by a switch on the dash.



Sample Cargo Roof Vent

NOTICE

The information in this document is generic. Details may differ from your vehicle. Use this information as a guideline where it applies.

Lights

▲WARNING

To maintain safety and meet federal regulations, inspect the lights daily for correct operation.

Back-up Lights

Back-up lights turn on automatically when the transmission in placed in reverse.

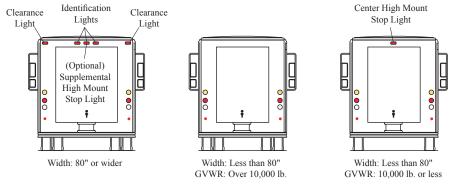
Brake and SHMSL Lights

Brake lights are activated automatically when the brake pedal is pressed.

According to Federal Motor Vehicles Safety Standards, vehicles that are 80" wide or wider must have clearance and identification lights on the front and rear. Such vehicles may also have the center rear identification light optionally function as a Supplemental High Mount Stop Light. When the brake pedal is pressed the SHMSL illuminates (or more brightly if the running lights are on) for enhanced visibility.

Daytime Running Lights*

With this option, headlights and running lights turn on automatically when the engine starts and is put into gear. They turn off with the engine.



Supplemental/Center High Mount Stop Lights, Clearance Lights, and Identification Lights Requirements

Dome and Cargo Lights

The cargo and dome light switch is typically on the left side of the dash panel. To turn the lights on, press the top half of the rocker switch (dependent on model) or rotate the headlight switch.

Hazard Lights*

The hazard switch, located on the top of the steering column or on the dash, controls the flashing of exterior



Hazard Switch

lights on the body. The hazard lights work with the engine on or off and with or without the ignition key. (See the chassis operator's guide supplied by the chassis manufacturer for more details.)

Headlights and Parking Lights*

The headlights, parking lights, and instrument panel lights are controlled by one or more switches that are typically on the left side of the instrument panel.

To turn on the **headlights** and the **parking lights on knob-type switches**, pull the knob out all the way. To turn only the parking lights on, pull the knob out to the halfway position.

This switch may also control the brightness of the **instrument panel lights**. To increase the brightness, rotate the knob counterclockwise. To decrease the brightness, rotate the knob clockwise.

Optional daytime running lights turn on automatically when the engine is started.

License Plate Light

The license plate light is activated with the running lights. Location varies with chassis and other options.



The information in this document is generic. Details may differ from your vehicle. Use this information as a guideline where it applies.

Mirrors

AWARNING

A convex mirror can make things appear farther away than they are. Use these mirrors with care, especially when changing lanes and backing up.

A CAUTION

To prevent breakage and possible injury, do not push directly on the mirror's glass. Push on the mirror frames only.

To receive maximum benefit from the outside mirrors, adjust the driver's side mirror so you can see the side of the vehicle and have someone assist you by adjusting the passenger-side, crosswalk and driver's side mirrors while you sit back in the driver's seat.

Adusting

To adjust a standard body mirror, you may need to loosen the nut until the mirror is just loose enough to turn. Then grab the outside edge of the mirror and gently pull in the desired direction. Retighten the nuts if you loosened them.

If the vehicle is equipped with the power mirror option, press the appropriate switch to adjust the position of the side mirrors.

Some exterior mirrors are convex. Convex crosswalk mirrors help you see people or obstructions behind or beside the vehicle. A convex mirror's surface is curved so more is visible from the driver's seat—but obstructions are closer to the vehicle than they may appear. Use convex mirrors with care, especially when changing lanes and backing up.

Auto-Defrost

The optional mirror defrost switch is typically on the left side of the dash panel. Be sure to turn the switch off when heating is no longer needed.

Rearview (Back-up) Camera System

ACAUTION

For safe operation, the entire back edge of the bumper must be visible at the bottom of the monitor's screen. If it is not, loosen the screws on the camera and adjust the camera for the best view. Tighten the screws and recheck the screen.

Because of the variety of rearview vision brands and models, read and become familiar with the owner's manual provided with the vehicle. Some monitors remain on with the vehicle ignition, other monitors are designed to only come on when the vehicle is in reverse.

Safety Equipment

A fire extinguisher and a reflector kit may be mounted somewhere in the vehicle. Follow the manufacturer's instructions for use, inspection, and maintenance.

NOTICE

The information in this document is generic. Details may differ from your vehicle. Use this information as a guideline where it applies.



Fire Extinguisher Under Jump Seat



Reflector Kit Behind Driver's Seat

Rocker Switches

For most switches, to turn the circuit on, press the top half of the rocker switch. Press the lower half of the switch to turn the circuit off.

Three-way rocker switches have more than one possible "on" state. Press the rocker up or down until the desired state is found.

Some switches may have momentary positions, returning automatically to the previous switch position when released.

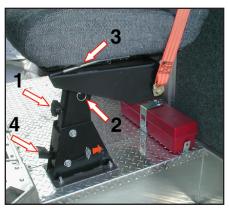


Typical Rocker Switch

Seats and Seat Belts Adjusting the Driver's Seat*

Aeromaster driver's seats can be adjusted for your comfort.

- 1. Enter the vehicle and sit in the seat.
- 2. Adjust the seat height as follows:
 - a. Turn the (1) knob on the pedestal counterclockwise to loosen the seat.
 - b. Remove the (2) pin (underneath the seat on the left side) by pulling on the ring.
 - c. Lift the seat to align with the hole in the post nearest the desired height.
 - d. Replace the (2) pin in the hole.
 - e. Turn the (1) knob clockwise to lock and secure the seat.
- 3. Adjust the distance between the driver and the steering wheel forward or backward using the (3) lever on the left side of the driver's seat. Pull the lever out to unlock the seat and move it to the correct position, then release the lever to lock the seat in position.
- 4. Try to move the seat with your body to make sure the seat is locked and secure.



Driver's Seat Adjustments

▲WARNING

Do NOT adjust the seat while the vehicle is moving. The sudden movement could cause you to lose control of the vehicle.

NOTICE

To tilt the driver's seat forward, press down on the lever (4) at the base of driver's seat pedestal.

See also the Maintenance Information—Cleaning—Seats section for instructions on cleaning the seats.

The information in this document is generic. Details may differ from your vehicle. Use this information as a guideline where it applies.

Suspension Seat Tether Belts*

AWARNING

Failure to adjust tether belts properly may cause excessive movement of the seat in an accident. Tether belts should be adjusted so that they are taut when the seat is in its adjusted operating position.

Tether belts on suspension seats are adjustable to allow the movement of the seat and still ensure maximum safety of the occupant in an accident.

- 1. Adjust the seat to the comfortable position.
- 2. Adjust the tether belts to the empty seat position.
 - a. To lengthen the tether, turn the buckle to the right angle to the webbing, then pull the buckle.
 - b. To shorten the tether, pull on the strap.
 - Ensure the movement of the seat's suspension system is not restricted.

Passenger Seats

AWARNING

To avoid personal injury or death, passengers should NOT ride in the cargo area. Ride only in designated seating with seat belts fastened and properly adjusted.

Aeromasters may also have a pedestal seat similar to the driver's seat or a nonadjustable jump seat on the passenger side. To sit on a jump seat, pull forward and down on the spring-loaded lower section.

Aeromasters and PDVs may also have nonadjustable crew cab bench seats (behind the driver's seat).



Jump Seat

Using the Seat Belt

Seat Belt Overview

The driver and any passenger should wear a seat belt whenever the vehicle is moving. A seat belt provides added protection if there is a collision or if the driver suddenly has to maneuver to avoid an accident. Failure to wear a belt increases the risk and the severity of injury during an accident.

On pedestal and jump seats, the seat belts have webbed belts with inertiasensitive restraints. The system is designed to lock (prevent belt travel) during sudden stops. However, the shoulder belt moves freely with the wearer during normal driving conditions. If the belt is jerked or pulled rapidly by hand, the belt may lock. If this occurs, let go of the belt and then pull it slowly and smoothly.

Inspecting the Seat Belt

WARNING

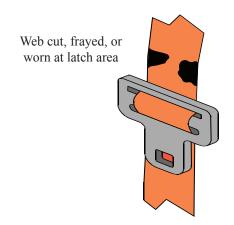
If there is any damage to the belt or retractor, always replace the entire assembly.

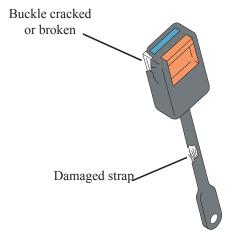
Inspect the belt daily. Check for cuts, frays, and loose parts. Damaged parts must be replaced immediately. **Do not disassemble or modify the seat belt assembly.**

A seat belt system should be replaced immediately if it shows any problems, such as:

- Cuts, fraying, abrasion, or other wear to the seat belt webbing.
- Significant discoloration due to ultraviolet exposure.
- · Significant dirt.
- Damage to the buckle, latch plate, retractor, or hardware.







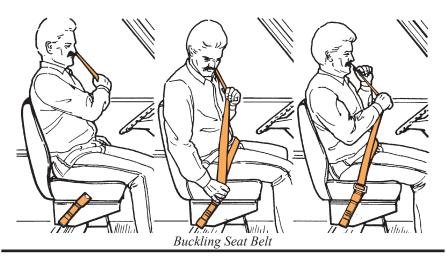
Signs of Wear

Buckling the Seat Belt

Standard 3-Point Harness

This seat belt system has a retracting shoulder harness for added comfort and safety. The shoulder belt allows unrestricted movement of the torso under normal conditions, and it locks in the event of an accident.

- 1. After adjusting the seat (see the Adjusting the Driver's Seat section), sit up straight in the seat and as far back as possible.
- 2. With the hand nearest the outside of the vehicle, grab the latch and slide it up the webbing while pulling forward with a slow steady motion. You should pull out enough webbing to go across your lap. If the retractor should stop the belt while you are doing this, let go of the belt and then pull more slowly and smoothly. Do **not** let the belt become twisted.
- 3. Pull the belt across your lap and push the latch into the buckle until it clicks into place. Check the belt by pulling on it to make sure the belt will hold you during a sudden stop. The lap part of the belt should be worn low and snug on the hips.
- 4. You may also adjust the height of the shoulder harness to fit your body. First pull down on the pillar height knob and then slide the knob up or down until you reach the desired position. Release the knob. The belt should be across your chest and centered over your shoulder. The belt should be away from your face and neck but not falling off your shoulder.



AWARNING

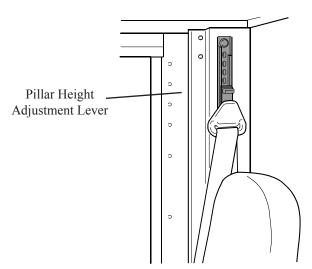
The lap belt should be worn snug and low across the hips. The shoulder belt should be across your chest and centered over your shoulder. The shoulder belt should be away from your face and neck but not falling off your shoulder.

Do not wear the shoulder belt under your arm or in any position other than the one described here. Such misuse could increase the chance of severe injury in an accident.

After inserting the latch in the buckle, make sure it is locked and the belt is not twisted. A twisted belt can increase the risk of serious injury.

To release the belt:

- Press the lap belt buckle release button and let the belt automatically retract.
- If the belt does not retract smoothly, pull it out and check for kinks or twists



Seat Belt Pillar Height Adjustment Lever

WARNING

Belts must be inspected during every routine maintenance. Failure to properly inspect and maintain the seat belts can cause serious injury or loss of life. The seat belt has a finite life and must be replaced as needed throughout the life of the vehicle.

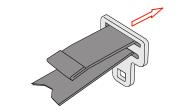
Whenever a vehicle is involved in an accident, the entire seat belt system must be evaluated for replacement, even if there is no visible wear or damage to the seat belt system.

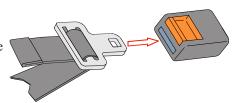
Crew Cab Seat Belt

In Aeromasters and PDVs, the seat belt for a bench-type seat (behind the driver's seat) may not have a shoulder belt or retractor. The lap belt is adjusted as described in the steps below.

- If the belt is too short to reach across your hips, tilt the tongue of the latch down and pull the latch away from the anchored point of the webbing.
- 2. Pull the belt across your lap and push the latch into the buckle until it clicks into place.
- After latching the buckle, pull on the free end of the webbing until the belt is low and snug across your hips.
- 4. To release the belt, press the buckle release button and pull the latch from the buckle.

This seat belt should be inspected and maintained in the same manner as the driver's seat belt.







Adjusting the Lap (Only) Belt

Windshield Wiper/Washer

See the chassis operator's guide supplied by the chassis manufacturer for more details.

Operation Safety Considerations

AWARNING

Unauthorized alteration or improper maintenance or repair of the vehicle can result in possible dangerous driving conditions.

Improperly inflated tires or an overloaded vehicle (or axle of a vehicle) can cause increased tire wear, poor handling, poor braking, overheating of tire, tire failure, or other mechanical failures. Sudden tire failure while driving could cause an accident resulting in serious injury or death. Keep tires at their recommended inflation pressure. When loading a vehicle do NOT exceed the GVWR or GAWR ratings.

Do NOT release air from a HOT tire in order to reach the recommended COLD tire pressure. Normal driving causes tires to run hotter and air pressure to increase. If air is released from a hot tire, the tire may become dangerously underinflated.

NOTICE

These vehicles are designed to meet certain specifications. Improper use or overloading can cause damage to equipment and void warranty.

Do NOT drive a forklift into a vehicle with a GVWR under 14,000 pounds or an Aeromaster that does not have a reinforced floor designed to support fork lifts.

Important Tire Information

Tire Labeling

NOTICE

See the chassis operator's guide supplied by the chassis manufacturer for additional information.

Markings on the Tire

In this example, "LT "stands for Light Truck,"LT235/85R16" is the size designation for a metric light truck tire. "235" represents the width of the tire in millimeters; "85" is the ratio of height to width; "R" means radial; "16" is the nominal rim diameter code. A "B" in place of the "R" means the tire is belted bias construction. A "D" in place of the "R" means diagonal bias construction.

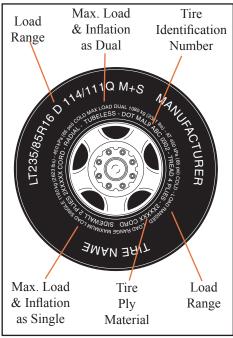
"M+S" with the mountain/ Sample snowflake symbol is the designation that the tire meets the Rubber Manufacturer's Association definition for use in severe snow conditions.

Load Range "D" identifies the load and inflation limits.

"RADIAL" indicates that the tire has a radial construction.

"MAX LOAD SINGLE 1192 kg (2623 lbs) AT 1470 kPa (65 psi) COLD" indicates the maximum load that can be carried by the individual tire and the corresponding cold inflation pressure for that load when used as a single (two total tires on the rear axle).

"MAX LOAD DUAL 1082 kg (2381 lbs) AT 1470 kPa (65 psi) COLD" indicates the maximum load that can be carried by the individual tire and the



Sample Tire Markings

corresponding cold inflation pressure when used in a **dual** configuration (four total tires on the rear axle).

The letters "**DOT**" certify compliance with all applicable safety standards established by the Department of Transportation (DOT). After DOT is the **tire identification number (TIN) or serial number**.

The sidewall also shows the type of cord and number of plies in the sidewall and under the tread.

Tire Identification Number (TIN)

After "DOT," this serial number is a code with up to 12 digits that is a combination of numbers and letters. The last four digits identify the week and year of manufacture (e.g., "1505" means the fifteenth week of the year 2005). (Prior to the year 2000, two digits identified the week and only one digit identified the year.)

Identifying Potential Recalls

To identify if a tire is subject to a recall, check the Tire Identification Number on the tire and compare it with the recall information.

Tire Care

Important factors in tire care are:

- Proper tire inflation pressure (not underinflated or overinflated)
- Proper vehicle loading (not overloaded or unbalanced)
- Regular tire inspection for underinflation, excessive wear, cracks, cuts, gouges, abrasions, bulges, separations, objects wedged in tread grooves, or other irregularities.
- Good driving habits (observing speed limits, avoiding fast stops and turns, avoiding hitting curbs, potholes, and other objects on the road).

See also the Measuring and Adjusting Inflation Pressure section above and the Vehicle Load Limits sections below.

Tire Inflation Guidelines

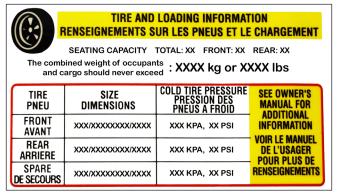
Recommended Cold Tire Pressure Information Location

Recommended cold tire pressure is found on the Federal Certification Label and, for vehicles under 10,000 lb. GVWR, the vehicle placard.

For the location of the Federal Certification Label, see the VIN, Body Serial, and Work Order Numbers section.

The vehicle placard, required (only) for vehicles with less than 10,000 lb. GVWR, is located:

- In an Aeromaster walk-in, on the driver's door post, between the quarter window and the door.
- In a PDV (cutaway) or truck body, near the hinge, latch, or catch on a cab door or door post. Open the door to see it.



"Tire and Loading Information" Vehicle Placard (Under 10,000 lb. GVWR)



Tire Information on the Federal Certification Label

Safety Consequences of Improper Inflation

▲WARNING

UNDERinflation of tires can cause poor handling, decreased fuel economy, increased tire wear, tire overheating, and possible tire failure. Sudden tire failure while driving could cause an accident resulting in serious injury or death. A tire can be underinflated without being obvious visually.

OVERinflation of tires can cause increased tire wear, poor handling, rough ride, and possible tire failure. Sudden tire failure while driving could cause an accident resulting in serious injury or death.

Measuring and Adjusting Inflation Pressure

Tires must be regularly checked because:

- Under normal tire operation approximately a pound (7 kPA) of tire pressure may escape every month.
- Tire pressure may go up (in warm weather) or down (in cold weather) around a pound for every 10° Fahrenheit (6° C) of temperature change.
- Tire damage can rapidly accelerate pressure loss.

Daily, before driving the vehicle, visually inspect the tires for obvious underinflation or damage (excessive wear, embedded objects, gouges, cuts, bulges, or other irregularities). Check also for missing valve caps.

Weekly, use an accurate, quality pressure gauge to check the tires. Set the tires to the recommended pressures according to the tire placard. Do not rely on visual inspection alone. A tire can be underinflated without being obvious. To properly check the tires, use the following steps:

- 1. Check the air pressure when the tires are "cold" (the vehicle has been parked for at least three hours and driven no more than one mile).
- 2. Remove the valve cap on the first tire. (If a valve cap is missing, replace it because the cap keeps dirt and moisture out of the valve.)

NOTICE

If you must drive a distance to get to an air pump, check and record the cold tire pressure before moving the vehicle. At the pump, measure the tire pressure again. Then inflate the warm tire to a level equal to the warm pressure plus the amount by which the cold tire was underinflated.

♠WARNING

Never release air from a hot tire in order to reach the recommended cold tire pressure. Normal driving causes tires to run hotter and air pressure to increase. If air is released from a hot tire, the tire may become dangerously underinflated.

A CAUTION

Follow the vehicle's recommended tire inflation pressure on the Federal Certification Label or vehicle placard, not the maximum tire pressure stamped on the sidewalls.

- 3. Firmly press an accurate tire gauge onto the valve.
- 4. If the tire is underinflated, add air from a pump to achieve recommended air pressure.
- 5. If the tire becomes overfilled, release air by pushing on the metal stem in the center of the valve and recheck the pressure.
- 6. Reinstall the valve cap.
- 7. Repeat with each tire, including the spare if included.

Glossary of Tire Terminology

Air pressure—see inflation pressure.

Bead—the part of the tire holding it to the rim.

Cold inflation pressure—the amount of air pressure in a tire before a tire has built up heat from driving; the vehicle has been parked for at least three hours and driven no more than one mile.

Curb weight—the weight of a motor vehicle with all permanently mounted equipment and the maximum capacity of fuel, oil, and coolant (but no passengers or cargo).

DOT (Department of Transportation) markings—the code molded into a tire's sidewall signifying that the tire is in compliance with the U.S. Department of Transportation motor vehicle safety standards.

Federal Certification Label—the label containing the vehicle manufacture date, VIN, body serial number, work order number, GVWR, GAWR, rim size, tire size, cold inflation pressure.

GAWR (Gross Axle Weight Rating)—this is the maximum weight rating that components of each axle are designed to support (i.e., tires, wheels, brakes, springs, axle). This is determined by the lowest design capacity of any component. In other words, if the wheels have the lowest design capacity of any component on that axle, installing tires with a higher load capacity does not increase the GAWR. This is shown on the Federal Certification Label

GCWR (Gross Combined Weight Rating)—the maximum allowable total loaded weight rating of the motor vehicle and any trailer it can tow. (GCWR – GVW = allowable weight of the towed vehicle.)

GVW (Gross Vehicle Weight)—the combination of curb weight, passengers, cargo, and (if present) tongue weight on a hitch. This total should never exceed the GVWR.

GVWR (Gross Vehicle Weight Rating)—the weight rating established by the chassis manufacturer as the maximum weight (including vehicle, cargo, liquids, passengers, etc.) that the components of the chassis are designed to support. This is shown on the Federal Certification Label

Inflation pressure—the amount of air inside the tire pressing outward on each square inch measured in Pounds per Square Inch (PSI) or kilopascals (kPa); 6.895 kPa equals 1 PSI.

kPa (kilopascals)—a metric unit of air pressure (1 kPa equals 0.145 PSI).

Maximum inflation pressure—the maximum air pressure to which a cold tire may be inflated (found molded on the sidewall).

Maximum load rating—the load rating for a tire at the maximum permissible inflation pressure for that tire.

Normal occupant weight—68 kilograms (150 pounds) times the number of occupants as shown in the vehicle placard.

Occupant distribution—means distribution of occupants in a vehicle as shown in the vehicle placard.

Overinflation—excessive tire pressure in relation to the tire size and load carried.

PSI (Pounds per Square Inch)—a standard (English) unit of air pressure.

Recommended inflation pressure—the optimal pressure for tire operation; the value is found on the Federal Certification Label, the vehicle placard, and/or tire inflation pressure label. See **Cold inflation pressure**.

Rim—a metal support (wheel) for a tire upon which the tire beads are seated.

Sidewall—the portion of the tire between the tread and the bead.

Speed rating—a code assigned to the tire indicating the maximum speed at which a tire can operate.

TIN (**Tire Identification Number**)—the tire's serial number, a code with up to 12 digits that is a combination of numbers and letters, containing information about the tire brand, manufacturing plant, tire size, and date of manufacture.

Tire bead—the area of the tire next to the rim.

Tire inflation pressure label—a label showing the original equipment tire sizes and recommended inflation pressures. See also *vehicle placard*.

Tire and loading information placard—see vehicle placard.

Tire pressure monitoring system—a system that detects an underinflated vehicle tire and signals a warning to the driver.

Tire sidewall—the area between the bead area (next to the rim) and the tread.

Tire tread—the area along the perimeter of the tire that contacts the road when driven.

Tread—the portion of a tire that comes into contact with the road.

Treadwear indicator—narrow bands (sometimes called "wear bars") appearing across the tread pattern of the tire when approximately 1/16" of an inch of tread remains. Tires should be replaced before the tread wears down to the level of the wear bars. (On vehicles with GVWR over 10,000 pounds, federal regulations require that tires on the front axle be replaced when worn down to 1/8" depth.) Some commercial truck tires may not have treadwear indicators.

Underinflation—insufficient air pressure in a tire for the amount of load carried.

Vehicle capacity weight—the rated cargo load plus 150 lb. (68 kg) times the vehicle's designated seating capacity.

Vehicle maximum load on the tire—the load on an individual tire that is determined by distributing to each axle its share of the maximum loaded vehicle weight and dividing by the number of tires on the axle.

Vehicle placard—a metal or paper tag permanently affixed to a vehicle that indicates the seating capacity, maximum payload (including occupants), and appropriate tire size and inflation pressures for the vehicle. This placard is required (only) for vehicles with less than 10,000 lb. GVWR.

Wear bars—see treadwear indicator

Vehicle Load Limits and Towing Capacity

Locating and Understanding Load Limit Information

The Federal Certification Label lists the GVWR for the vehicle and the GAWR for each axle. The total weight of a loaded vehicle should never exceed the GVWR. Also the cargo should be distributed so that the weight on each axle does not exceed that axle's GAWR. If there is any question, the vehicle should be weighed.

Seating capacity is dependent on the number of seats and seat belts provided. In vehicles under 10,000 lb. GVWR, seating capacity is found on the second line of the vehicle placard.

Cargo capacity (payload) is the GVWR minus the curb weight of the fully fueled empty vehicle. The driver and any other occupants are considered part of the payload, and the weight of all the occupants must be included when calculating the total weight of cargo that can be carried. The cargo capacity of vehicles under 10,000 lb. GVWR is found on the third line of the vehicle placard.

The maximum amount of cargo that can be carried inside a vehicle is reduced if a trailer will be towed.

AWARNING

Do not tow unbraked vehicles if the combined weight of both vehicles is more than the sum of the gross axle weight ratings (GAWRs) of the towing vehicle. Otherwise brake capacity will be inadequate, which could result in personal injury or death.

Use only a professionally installed hitch of the correct type and size, safety chains on the hitch, and appropriate lighting on the trailer.

Towing capacity is the maximum weight of a trailer that can be towed behind the vehicle.

As a general rule, the load in a trailer should be distributed so that 60% of the total weight of the trailer is between the trailer axle(s) and the tongue. The weight the tongue applies downward on the vehicle's hitch is the "tongue weight" and should usually be about 10 to 15% of the total weight of the trailer. The trailer's total weight and the tongue weight on the hitch must be determined by its manufacturer's specifications or by weighing.

Because tongue weight applies force at the end of the vehicle, it increases the weight on the rear axle and decreases the weight on the front axle by percentages based on the wheelbase and length of the body. When towing a trailer, the weight

on the rear (or any) axle of the vehicle must not exceed that axle's GAWR

If a vehicle is loaded enough for there to be any doubt about whether the GVWR and GAWRs of any axles might be exceeded, each axle of the vehicle must be weighed.

A decal for the hitch gives a hitch rating or the maximum capacity of the HITCH by itself. It is NOT the towing capacity of the vehicle!

NOTICE

A decal for the hitch gives a hitch rating or the maximum capacity of the HITCH by itself. It is NOT the towing capacity of the vehicle.



Sample Hitch Decal

Towing capacity is dependent on how loaded the vehicle is with other payload. A vehicle that is already loaded to its GVWR will not be able to pull a trailer at all.

The maximum weight of a trailer that a vehicle can pull is determined by that vehicle's **GCWR** (**Gross Combined Weight Rating**, the maximum allowable total loaded weight rating of the motor vehicle and any trailer it is towing). The allowable weight of the towed vehicle equals the GVW (actual total weight of the loaded vehicle, including the tongue weight) subtracted from the GCWR (GCWR – GVW = max. trailer weight.) GCWR is determined by chassis drive train capacity (engine, transmission, drive shaft, and differential), gearing, braking capacity, suspension, and axle loading. To determine the GCWR of a vehicle, consult the chassis operator's guide, chassis dealer, or chassis manufacturer.

Calculating Cargo Load Capacities

The total weight of the occupants must be included in determining the maximum amount of cargo that a vehicle can carry. For example, in a truck with a crew cab, four 150-pound people will reduce the total cargo that can be carried by 600 pounds. Occupants and cargo must be distributed so that the GAWR of any axle is not exceeded.

Distribute the cargo items (by weight) evenly across the cargo area (right to left and front to back). Keep heavier items on or near the floor and keep them above or forward of the rear axle (do not have heaviest items at the very back of the vehicle). Lighter items can go on shelves or on top of heavier items (if the packaging has sufficient strength). Secure items by straps, as needed, to avoid shifting.

If the vehicle is heavily loaded, weigh the fully fueled vehicle (including driver and other occupants) to ensure it does not exceed its GVWR or GAWR.

Determining Compatible Tire/Vehicle Load Capabilities

Load ratings (A through N) for tires go up as the corresponding letter changes. Load range "E" tires have a heavier rating than load range "D" tires.

Changing tire capacities may affect the GAWR and GVWR of your vehicle. **Therefore, never replace tires with tires that have a lower rating.** The Federal Certification Label specifies the size of tire that must be used on each axle.

Never mix tire sizes and constructions on the same axle (except for temporary use as a spare tire).

Load capabilities of tires change as the tire pressure is lowered. If a tire becomes underinflated, its load capacity may become greatly reduced.

Safety Consequences of Overloading

WARNING

Overloading of tires can cause increased tire and suspension wear, poor handling, decreased stopping power, and possible tire failure. Sudden tire or braking failure while driving could cause an accident resulting in serious injury or death. Never exceed the GVWR or GAWR of the vehicle.

Steps for Determining Correct Load Limit

NOTICE

The wording of the following statement is required by Federal regulations for vehicles under 10,000 lbs. GVWR. Use the principles to apply to the specifics of your vehicle.

- 1. Locate the statement "The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs." on your vehicle's placard.
- 2. Determine the combined weight of the driver and passengers that will be riding in your vehicle.
- 3. Subtract the combined weight of the driver and passengers from XXX kg or XXX lbs.
- 4. The resulting figure equals the available amount of cargo and luggage load capacity. For example, if the "XXX" amount equals 1400 lbs. and there will be five 150 lb passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs. (1400–750 (5 x 150) = 650 lbs.)
- 5. Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.
- 6. If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle.

For example, a vehicle with a GVWR of 9600 pounds that weighs 6600 pounds would have a total payload of 3000 lbs. If one person weighing 150 lbs. drove

the vehicle, the vehicle could then carry (9600-6600-150 =) 2850 lbs. of cargo. If two passengers, weighing a total of 300 lbs. were **also** in the vehicle, the total maximum amount of cargo would be reduced to (9600-6600-450 =) 2550 lbs.

The payload capacity listed on the vehicle placard is for the vehicle as built at the assembly plant. If aftermarket equipment has been installed on the vehicle, the weight of that equipment must be subtracted from the payload capacity.

Safety Chains with Cruciform Slots

AWARNING

Utilimaster cruciform slots are designed specifically for use with 3/8" safety chains. Make sure the safety chains match the size of the slots. Using smaller chains will NOT provide the structural integrity if needed.

Cruciform slots are cross-shaped cutouts in the bumper for inserting tailer safety chains.



Cruciform Slot in Rear Bumper

Towing the Vehicle

For **towing your vehicle** if it is disabled, see the separate chassis operator's guide supplied by the chassis manufacturer for more complete information.

Utilimaster recommends the following:

- A wheel lift or flatbed equipment is the preferred method of towing.
- Unload the vehicle to reduce stress on the chassis during towing.
- Be sure to place the transmission in Neutral and fully release the parking brake if towing.



For **towing a trailer** from a hitch installed on the rear of your vehicle, see the Vehicle Load Limits and Towing Capacity section in this manual, hitch decal, and chassis operator's guide for instructions.

Emergency Repairs

Problems with the Utilimaster body are unlikely to disable a vehicle enough to make it undrivable. See the separate chassis operator's guide and/or the engine service manual (supplied by the chassis manufacturer) for emergency information.

Reporting Safety Defects United States Only

If you believe that your vehicle has a defect that could cause a crash, injury, or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA), in addition to notifying Utilimaster.

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 Utilimaster.

To contact NHTSA, you may either call the Auto Safety Hotline toll-free at **888-327-4236** or file a complaint online at:

http://www-odi.nhtsa.dot.gov/ivoq/

or write to:

U.S. Department of Transportation, National Highway Traffic Safety Administration 1200 New Jersey Avenue, SE Washington, DC 20590

You can also obtain other information about motor vehicle safety from the Hotline.

Canada Only

If you believe that your Canadian-registered vehicle has a defect that could cause a crash, injury, or death, you should immediately inform Transport Canada, in addition to notifying Utilimaster.

To contact Transport Canada, call **800-333-0510** or file a complaint online at: English version: www.tc.gc.ca/recalls

French version: www.tc.gc.ca/rappels

or write to:

Transport Canada
80 Noel Street
Gatineau, Quebec
J8Z 0A1

Transports Canada
80, rue Noël
Gatineau (Québec)
J8Z 0A1

Maintenance Information

Maintenance Safety Considerations

▲WARNING

Avoid breathing AC refrigerant and lubricant vapor or mist.
Utilimaster recommends that a licensed automotive air-conditioning specialist work on the vehicle's air-conditioning (HVAC) system.

Operate the engine only in a well-ventilated area.

Use safety stands and/or wheel blocks whenever you are underneath the vehicle.

A CAUTION

Always wear safety glasses and other protective equipment as appropriate to the process.

Become familiar with all warning labels.

Always maintain firm footing and control of tools.

Be sure that the ignition switch is Off unless otherwise required by the procedure.

Put the transmission in Park (if it is an automatic) and set the parking brake before working on the vehicle.

Avoid contact with hot metal parts, such as the radiator or exhaust system.

Do NOT smoke while working on the vehicle.

Always remove rings, watches, hanging jewelry, and loose clothing before working on a vehicle. Tie long hair securely behind your head. Keep yourself and your clothing away from the radiator fan, belts, and any moving parts when the engine is running.

Keep hands and other objects clear of the radiator fan blades. The electric fan can start at any time even though the ignition is Off. Disconnect the fan when working under the hood.

Cleaning

General Tips

Clean a stain as soon as you can (before it sets in the material).

If you use a foam or solvent-based cleaner, always use in a well-ventilated area and follow directions on the can.

A CAUTION

Always wear safety glasses and other appropriate protective measures, such as chemical-resistant gloves and good ventilation, while using cleaning solutions on the vehicle.

Body Exterior

For a new vehicle, do NOT power-wash for the first 90 days.

During the winter, wash off road salts frequently.

NOTICE

Do NOT power-wash for the first 90 days. Wash and wax the body periodically to preserve the body finish, but avoid harsh cleaning solutions or high-pressure washes. Do not clean in the hot sun or at elevated temperatures.

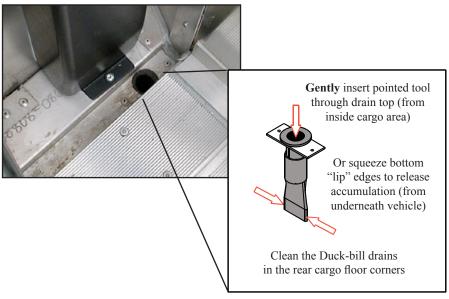
Cargo Area



Do NOT wash down wooden floors since this can cause the wood to warp.

Sweep debris from floor surface.

Clean rear threshold drains and drain troughs.



Cleaning a Duck-bill Drain

Instrument Panel and Interior Plastic Components

Wipe surfaces with a clean damp (mild soap and warm water only) cloth. Do not pour water onto the surfaces.

Commercial cleaners may damage the surface finish.

NOTICE

Commercial cleaners may damage plastic or metal surfaces. Wipe interior surfaces with a clean damp (mild soap and water only) cloth. Do not pour water onto the surfaces.

Seats

- 1. Gently brush or scrape excess dirt from material and vacuum to remove any loose dirt.
- 2. Using warm water and a clean damp cloth, rub the stained area. Repeat application until dirt is removed.
- 3. If a stain persists, automotive stores can provide vinyl/leather cleaners for vinyl seats or (foam or solvent) fabric cleaners for fabric seats. Use in a well-ventilated area and follow directions on the can.

Keep seat belts clean and dry.

Windows

AWARNING

Use appropriate protective measures, such as chemical-resistant gloves, while using cleaning solutions on the vehicle.

NOTICE

In the winter, establish adequate visibility by clearing ice from windows BEFORE driving the vehicle. Do NOT use an open flame to melt ice on windows or any other part of the vehicle body.

Do NOT use razor blades or other sharp objects that could score the glass! Do NOT clean in the hot sun or at elevated temperatures.



Step Ring on Front Bumper



Grah Handle

Tempered and Safety Glass

Optional step rings on the front bumper and a center-mounted grab handle below the front windshield make it easier to reach the windshield.

Wash windows with a mild soap or detergent, using a clean sponge or soft cloth. Rinse well with clean water. To prevent water spots, dry with a chamois or moist cellulose sponge.

Fresh paint, grease, and smeared glazing compounds can be removed easily before drying by rubbing lightly with a grade of naphtha or isopropyl alcohol. Naphtha also works to remove labels and stickers. Butyl cellosolve works well for removal of dried paints and marking pen inks. After using any of these chemicals, do a final wash with warm water and a mild soap or detergent, then rinse thoroughly with clean water.

LEXAN Windows

Some windows (not windshields) are made of LEXAN, which is significantly more impact-resistant than laminated or tempered safety glass. However, because it is also less scratch-resistant than glass, take care when cleaning this type of window



Do NOT scrape a LEXAN window with scrapers, razor blades, or other sharp objects! Do NOT scrub or use brushes. Do NOT clean in the hot sun or at elevated temperatures.

Do NOT try to clean a LEXAN window with:

Acetone

· Abrasive cleaners

Benzene

· Highly alkaline cleaners

Gasoline

Carbon tetrachloride

Wash the LEXAN window with a mild soap or detergent, using a clean sponge or soft cloth. Rinse well with clean water. To prevent water spots, dry with a chamois or moist cellulose sponge.

Fresh paint splashes, grease, and smeared glazing compounds can be removed easily before drying by rubbing lightly with a grade of VM&P naphtha or isopropyl. Naphtha also works with labels and stickers. Butyl cellosolve works well for removal of paints and marking pen inks. Afterwards, a warm final wash should be made, using a mild soap or detergent solution and ending with a thorough rinsing with clean water.

Scratches and minor abrasions can be minimized by using a mild automobile polish, such as Johnson Paste Wax. Be sure to follow the manufacturer's instructions.

The following cleaning agents are compatible with LEXAN as long as the manufacturer's recommendations and instructions are followed:

• Jov®

• Windex with Ammonia D®

Top Job®

• VM&P grade naphtha

• Palmolive Liquid®

Manufacturers' Recommendations

Safety and application instructions provided with sealants, cleaners, and equipment should always supersede information provided by Utilimaster.

Engine/Heater Coolants

To avoid possible heater or engine damage, use only engine coolant(s) recommended by the chassis manufacturer. All deviations from the recommended coolant and all cooling system additives must be approved by the chassis manufacturer and Utilimaster Corporation.



To avoid possible heater or engine damage, use only engine coolant(s) recommended by the chassis manufacturer. All deviations from the recommended coolant and all cooling system additives must be approved by the chassis manufacturer AND Utilimaster Corporation.

Lubrication

The engine is not the only part of your vehicle that needs lubrication. Hinges, latches, seals, and locks also require occasional lubrication. See the following Body Maintenance Checklist section and the Utilimaster service manuals for details on lubrication.

Maintenance Checklist

By design, the Utilimaster body is low-maintenance. However, Utilimaster recommends the items on the following pages should be **checked every three to four months**, unless otherwise stated.

For more detailed service instructions, see the More Information and Publications section.

See also the Maintenance Information—Cleaning section.

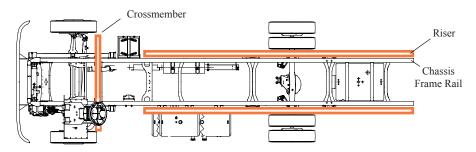
For a daily inspection checklist, see the "Before You Go" Operation Inspection section.

Body Mounting Fasteners

- ☐ Check the alignment of body mounting spacers and tighten mounting bolts after the first 30, 60, and 90 days of operation and every six months after that. See the Body Mounting Bolts section on the Utilimaster web site for more information.
- ☐ Check for loose fasteners underneath the chassis, particularly the bolts that mount the body to the chassis on the outside of the riser, on either side of the chassis rails, and the bolts on the crossmember



Truck Body Mounting Bolts



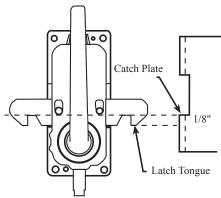
Check for Loose Bolts on Aeromaster Chassis

Bumpers

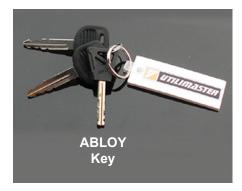
- ☐ Check for loose bolts on the bumper and brackets.
- ☐ Check for damaged or bent components.
- ☐ If applicable, lubricate rear shock absorbing bumper fittings with #2 grease (one shot from a hand pump every three to six months, dependent on use and conditions).

Doors, General

- ☐ Check operation of the windows and locks (including any manual overrides) at each door.
- Check interior and exterior handles for tightness.
- ☐ Check alignment of latches and catches. At least 1/8" of the sliding door latch tongue needs to engage the catch plate.
- ☐ Check for wear on the catch plates and latch tongue.
- ☐ Inspect and clean rubber seals around door edges.
- ☐ Lubricate the lock cylinders with a lightweight oil.
- ☐ For ABLOY locks, Exxon
 Hydraulic oil type NUTO® 68 or
 equivalent is recommended for the
 lock cylinders. If the ABLOY lock
 cylinders become dirty, use ZEP®
 45 penetrating lubricant to clean
 the cylinders before applying the
 NUTO® 68.



Check Latch and Catch Alignment and Wear

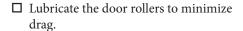


ABLOY "Square-cut" Keys

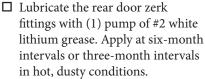
Doors, Power Locks*

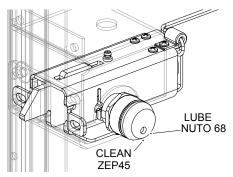
See the Locks—Power Door Locks section and the Technical Manuals on the Utilimaster Web Site for adjustment procedures for more information.

- ☐ Check that the doors open easily and close tightly.
- ☐ Check alignment of latches and catches.
- ☐ Check for wear on the bulkhead and rear door catch plates and latch tongue.
- ☐ Check the operation of the locks.
- ☐ Check that the roll-up rear door is centered in the opening.

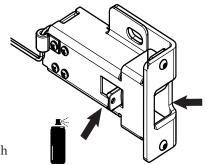


- ☐ Clean lock cylinders using penetrating lubricant (ZEP 45 or equivalent).
- ☐ Lubricate locks with a lightweight oil (Hydraulic oil type NUTO* 68 or equivalent.)
- ☐ Lubricate bulkhead or side door latch with LU 204 Dry Film Graphite Lubricant (or equivalent). Apply to each side of the slide bolt at six-month intervals or three-month intervals in hot, dusty conditions.

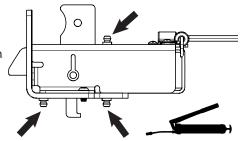




Lock cylinder lubrication (rear door shown)



Side and bulkhead door lubrication points



Rear door lubrication points

Doors, Roll-up

Check the condition of the door and strap:

- ☐ Check that the door opens easily and closes tightly.
- ☐ Check the condition of the pull-down strap for fraying or wear.
- ☐ Check the condition of the latch
- ☐ Check for loose fasteners or other components.
- ☐ Check that the rear door is centered in the opening.
- ☐ See also the "Doors, General" and "Doors, Power Locks" sections.

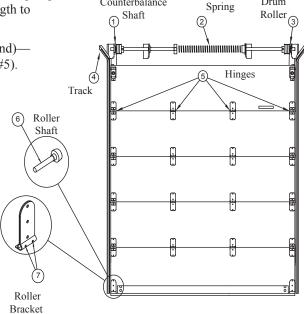
Lubricate the following rear roll-up door parts with a (Utilimaster P/N 04202540, or equivalent) light oil:

- □ Roller drums and shafts—wipe off excess oil (#1, #3).
- ☐ Springs—lubricate both springs along their entire length to prevent rusting (#2).
- ☐ Hinges (center and end) wipe off excess oil (#5).
- □ Rollers (#6, #7).
- ☐ Latches (NS).
- Clean and lubricate track (#4).



Do NOT use grease on roll-up doors. Do NOT get oil on rubber seals. Wipe up any drips immediately.

Drum



Counterbalance

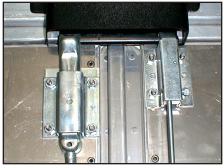
Lubrication Points on Rear Roll-up Door

Doors, Swing

- ☐ Hinges—lubricate the zerk fittings with #2 grease at six-month intervals (or three-month intervals in hot, dusty conditions).
- ☐ Metal door catches/latches—use ZEP45 penetrating lubricant to clean contact points and moving parts and then apply a lightweight oil. (Exxon Hydraulic oil type NUTO 68, or equivalent.)
- □ Rubber door catches/latches—
 clean and check for loose fasteners.
 Do NOT use petroleum jelly on rubber door catches. It will attract dirt and become abrasive to the fittings.



Grease Swing Door Hinges



Lubricate Swing Door Catches

NOTICE

Do NOT use petroleum jelly on rubber door catches. It will attract dirt and become abrasive to the fittings.



Lubricate Rear Swing Door Mechanisms



Clean Rubber Catches

Grab Handles	
☐ Check tightness of the grab handles' mountings.	
Heater Filter*	
☐ Check the heater intake filter under the hood.	
Hood*	
☐ Check the hold-down straps for alignment and excessive wear.	
☐ Check the hood guides for alignment and excessive wear.	
☐ Check the hood struts and/or prop rod for proper operation.	
Interior Driver Conveniences	
☐ Check the HVAC system for operation.	
☐ Check all dash controls for operation.	
☐ Check the cab fan for operation and secure mounting.	
Mirrors	
☐ Check tightness of the mirror mounting bolts.	
Reflective Tape	
☐ Check that all reflective tape is securely attached.	
Seats and Belts*	
☐ Check tightness of the bolts for the seat belt and pedestal.	
☐ Check the seat belt for operation and signs of fraying or wear.	
Tires	
☐ Check pressure and condition of tires weekly . See the Important Tire Inflation Information section for more information.	
Wipers*	
☐ Check tightness of the wiper linkage connections.	
☐ Check that the blades wipe clean.	

VIN, Body Serial, and Work Order Numbers

The 15-digit **Utilimaster Body (or Unit) Serial Number** is recorded on the **Federal Certification Label**. This label is a plastic decal (about 11" long and 2" high) that contains a variety of manufacturing information (including the VIN and Work Order Number). This label may be found in one of several locations:

- In an Aeromaster walk-in, on the driver's door post, between the quarter window and the door.
- In a PDV (cutaway) or truck body, near the hinge, latch, or catch on a cab door or door post. Open the door to see it.

The 17-digit chassis **Vehicle Identification Number (VIN)** is the legal identifier for this vehicle and is the number recorded in the license plate registration. The VIN appears on a small metal plate in one of several locations:

- The plate may be mounted on the front corner of the dash on the driver's side. In an Aeromaster, it may be on the left-hand side of the instrument panel assembly facing the quarter-panel window. You can read the VIN if you look through the windshield or quarter-panel window.
- In vehicles over 10,000 lb. (4,536 kg.) GVWR, the plate may be mounted near the latch on the driver's door post or on the edge of the door. Open the door to see it
- The number is also recorded on the Federal Certification Decal

On the Federal Certification Label, below the Body Serial Number, is the vehicle's 7-digit **Work Order Number**. This number (without the leading X) is also stamped (since 1999) on the left-hand base rail of truck bodies and PDVs. (Before 1999 the Body Serial Number was stamped on the base rail.) Either number can be used to identify the body if it is no longer mounted on the original chassis.



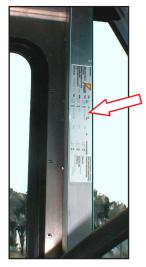
VIN Plate on Aeromaster



VIN Plate on PDV or Truck Body

MANUFACTURED BY:	GVWR	KG (LB)		0010 11		THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR
Utilimaster	FRONT	GAWR KG (LB)	TIRES	RIMS	PRES	FLATION SSURE KPA PSI)	VEHICLE SAFETY STANDARDS IN EFFECT IN
DATE OF MANUFACTURE:	INTERM	KG	N/A	N/A		KPA	VEHICLE ID NO
INCOMPLETE VEHICLE MFD. BY:		(LB)	N/A		(PSI)	VEHICLE TYPE: TRUCK
DATE INC. VEH. MFD.	REAR	KG LB)	DUAL		(KPA PSI)	UNIT SERIAL NO.
-						_	WORK ORDER X XXXXXX

Federal Certification Label



Label on Quarter-post (Aeromaster)



Label on B-post (PDV or Truck Body)



Body Number on Base Rail (PDV or Truck Body)

Ordering Parts

How to Order

To order parts for this vehicle, gather the following information:

- Model and Year of Vehicle (20xx-Customer name).
- Chassis VIN or Utilimaster Body Serial Number (see previous pages).
- · Complete shipping address.
- · Preferred method of shipping.
- Complete description of all the parts necessary (see the relevant Utilimaster body parts manual).
- · Method of payment.

Customer Service prefers payment by Visa, MasterCard, Discover, or American Express credit cards. Purchase Orders from customers with established open accounts are also accepted.

Then contact Utilimaster Customer Service by one of the following methods:

- Call 800-237-7806 and ask for the Parts Department.
- Email your order with the above information to
 - FVSPartsOrder@SpartanMotors.com
- Visit from our parts web site at https://parts.utilimaster.com.
- You may also **mail or express service** the order to the following address:

Utilimaster

Attn: Parts Department 603 Earthway Blvd. Bristol, IN 46507-9182, U.S.A.

Customizable Parts Order Form

You can also download a customizable form template file from the Utilimaster web site **www.utilimaster.com**. That template has a header that you can customize with your name and address. Then, to order parts, you only have to enter the specific information about the vehicle—saving retyping the same address information repeatedly. After completing the form information, the file can be emailed as an attachment. That form can also be used for mailing or faxing.

Returns

To return parts for credit, call the Customer Service Department for prior authorization. All returns must be shipped prepaid freight. A restocking fee will be charged to all returns. Special-order parts are not returnable.

Filing Warranty Claims

If a problem on the Utilimaster body is caused by a defect in materials or workmanship, it will be covered by our Limited Warranty. Chassis, engine, tires, battery, and third-party accessory failures are covered by the individual manufacturers.

Claims must meet the requirements listed below. Failure to meet these requirements may result in a denied or delayed claim.



Complete a repair order with the following information:

- Chassis VIN or Utilimaster Body Serial Number (see the VIN, Body Serial, and Work Order Numbers section).
- · Year and model of vehicle.
- · Owner's and/or service facility's name and complete address.
- Service center representative's signature (or name).
- Date vehicle was repaired.
- Mileage at time of failure.
- Itemized description of the problem, including complaint, cause of failure (if known), and correction (describe in detail).
- Service center labor rate and total time of repair.
- **Total claim amount, including cost of parts** (include Utilimaster P/Ns), labor, miscellaneous charges, and sales tax (if applicable).
- Your claim or repair order number.

The claim or repair order number is whatever number you use to match Utilimaster's payment with your work done. We will reference the number on our payment.

• **Utilimaster authorization number** (repairs costing over \$150 U.S. or for structural warranty require prior authorization from Utilimaster).

Other claim requirements:

- Any repairs over \$150 U.S. or for structural warranty require prior authorization from Utilimaster, and that number must appear on the repair order. Contact the Warranty Department.
- Any claim that is not **legible and complete** will be returned for completion.
- All paint claims require pictures, estimates, and prior authorization.
- Shipping damage claims also require pictures, estimates, and prior authorization. The damage must also be noted on the Delivery Acceptance form. This form requires the signature of the carrier driver.
- **Sublet work** must have the sublet repair order attached to the service facility's repair order that is being submitted.
- Claims must be **submitted within 30 days** after the repair is completed.

The claim can be mailed, faxed, emailed, or performed on-line on our web site (assuming all required information is included):

• Warranty claims can be mailed to:

Utilimaster

Attn: Warranty Department 603 Earthway Blvd. Bristol, IN 46507-9182, U.S.A.

• Or you can email your claim with the above information to FVSWarranty@ SpartanMotors.com. (You can download a customizable Warranty Claim Form template from the Utilimaster web site https://parts.utilimaster.com. The template has a header that you can customize with your name and address. Then, to file a claim, you only have to enter the specific information about the vehicle—saving retyping the same address information repeatedly. After completing the form information, the file can be emailed as an attachment. This form can also be used for mailing or faxing.)

Claims are paid semimonthly. Utilimaster generally does not pay sales tax on claims

If you do not have our tax exemption number on file, please call 800-582-3454 and ask for the accounting department to obtain the number.

Before returning any parts, contact a Utilimaster warranty representative.

More Information and Publications

Aftermarket Parts



Utilimaster Introduces Online Parts Catalog and Ordering System

Utilimaster is pleased to introduce an Electronic Parts Catalog and Ordering System that will save your team time and money by providing 24-hour access to your vehicle parts and the OEM Bill of Material.



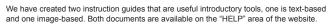
The parts website can be reached directly at https://parts.utilimaster.com.

The Electronic Parts Catalog and Ordering System provides:

- Vehicle Identification Number (VIN) parts look up for all Utilimaster vehicles manufactured from 1999 to present
- VIN look-up detailing the OEM Bills of Material to improve order accuracy, speed and efficiency
- · 24-hour parts catalog and order access
- Fast parts look up
- · Original equipment parts direct from the manufacturer
- · Save your "Favorite Truck" for one-time VIN entry and easy reordering
- · All orders reviewed by a Utilimaster Customer Service Representative to ensure accuracy
- · Secure website to protect your information
- · One-time registration

Registering is easy! Go to the Login page:

- If you are a new customer, follow the prompts through our quick one-page registration.
- If you are an existing customer, have a copy of any invoice handy, select "I have bought
 from Utilimaster on the phone before, but never online" and follow the prompts. If you
 currently receive a discount, the pricing will change from retail pricing to your specific
 discounted price list once you have logged in.
- Pre-register by emailing your team's contact names and email addresses to <u>tfalk@utilimaster.com</u> or by calling 800-237-7806. We will enter you into the system, ensuring that your team receives accurate pricing.





Lighting

HVAC



The parts website is live, and ready for your orders!









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Utilimaster Web Site

Many support documents are downloadable (as Adobe® Acrobat® PDF files) from our web site at

https://parts.utilimaster.com.

Click on the Technical Manuals button, to access the download page. To view the files you must have the Adobe Acrobat Reader version 4.0 or higher installed on your computer. Acrobat readers are available free for all leading computer operating systems on the Adobe web site (www.adobe.com).



Contacting Utilimaster

Browse our web site for more information about Utilimaster and its products or contact Utilimaster Customer Service by using one of the following methods:

- Call 800-237-7806.
- Email to FVSParts@SpartanMotors.com
- Mail to the following address:

Utilimaster

Attn: Customer Service Department 603 Earthway Blvd. Bristol, IN 46507-9182 U.S.A.



*Pertains only to Aeromaster walk-in vans.



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Do not discard! This document contains important operation, safety, and maintenance information!

Customer Service

800-237-7806

FVSParts@SpartanMotors.com https://parts.utilimaster.com

Part Number: 03102102-RY17EN

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