



EQUIPMENT INNOVATORS

Where Quality & Innovation Meet

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Marietta, GA 30062-2431**

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WARRANTY & MAINTENANCE INFORMATION

OMNIVAN®

omnivan® LIMITED WARRANTY

Equipment Innovators (the "Company") warrants to original owners of any new omnivan® purchased from the Company that, at the Company's election, it will either repair or replace any part of the omnivan® (except refrigeration system defects) made necessary (upon test and examination by the Company or an authorized, pre-approved third party to the Company's satisfaction) because of defects in parts or workmanship, for twelve (12) months from date of invoice. The omnivan® is warranted provided that:

- a) The Company is notified of the defect within thirty (30) days after it is discovered.
- b) Any defective part is returned to the Company at 800 Industrial Park Dr., Marietta, GA 30062, freight prepaid.
- c) The omnivan® is not repaired or altered outside of the Company's factory unless pre-authorized by the Company.

For refrigeration systems, the Company warrants that, at the Company's election, it will repair any defects in material or workmanship to any portion of the refrigeration system (upon test and examination by the Company or an authorized, pre-approved third party to the Company's satisfaction) that occur within ninety (90) days of invoice. Examples of refrigeration system defects are inadequate cooling and refrigerant leaks. Warranty of refrigeration system components (such as compressors) is subject to the provisions of third-party manufacturers stated below. The refrigeration system is warranted provided that:

- a) The Company is notified of the defect within thirty (30) days after it is discovered.
- b) The refrigeration system is not repaired or altered outside of the Company's factory unless pre-authorized by the Company.

The foregoing warranty (the "warranty") and the Company's liability in connection with the sale of the omnivan® are limited as follows:

1. The warranty is in lieu of all other warranties, expressed or implied, including, without limitation, implied warranties of merchantability and fitness for a particular purpose.
2. The owner hereby waives any claim it may have against the Company for any loss, damage or expense of any kind whatsoever caused by the omnivan® or by any defect therein, the use or maintenance thereof, or any servicing or adjustment thereto, not expressly covered by the warranty. The owner further agrees that the company will not be liable, regardless of the form of action whether in contract or in tort, for any direct, indirect, incidental, consequential, or special damages of any nature whatsoever, including, but not limited to, damages arising from loss of use of the omnivan®.
3. The Company's liability shall in no event exceed the contract price for the part claimed to be defective.
4. The warranty does not extend to any part which has been subjected to misuse, alteration by anyone other than the Company, neglect, accident, improper installation or use in violation of instructions furnished by the Company or the Company's suppliers.
5. The warranty does not extend to or apply to any part which has been repaired or replaced at any location other than the Company's factory or by persons not expressly authorized by the Company prior to such repair or replacement, nor to any part of which the serial number, model number or identification has been removed, defaced or changed.
6. The warranty does not extend to any accessories or items manufactured or installed by third parties, even though the company may recommend use of such items in connection with its product. Warranty of such items is limited in time to that provided by the respective manufacturer. Examples of items manufactured by third parties are aerial lifts and condensing units.

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Required Maintenance

Body Mounts

Check body mounting bolts and tighten if necessary at 30, 60, and 90 days after purchase. After this break-in period, check and tighten if necessary every 6 months.

Top-Hinged Doors

The following should be performed on a daily basis:

Check the open door warning buzzer and light for proper operation with all doors.

The following should be performed on a monthly basis:

Spray lock key cylinders with a fine oil or silicone.

Lubricate the portion of the latch that locks around the striker plate with a lithium type grease.

Check striker plates for wear and replace if necessary.

Check door hinge pins and hinge plates for tightness and wear. Replace any worn parts.

Note: omnivan hinge plates are reversible for double life.

Check omniprops and brackets for tightness and the ability to raise the door correctly.

Check gaskets for a proper seal and replace if damaged.

Side-Hinged Doors

Inspect and lubricate key cylinders and paddle latches the same as above.

Check and replace striker plates if necessary with the same frequency.

Inspect piano hinges monthly to make certain all fasteners are tight and door is closing properly.

Check gaskets for proper seal and replace if damaged.

Lights

Check interior lights and door switches daily during normal operation and change if necessary.

Check tail lights, marker lights and reflectors on a daily basis and replace if needed.

Fasteners

Tighten or replace any nuts, bolts, screws, rivets, etc. that appear loose as the situation dictates.

Refrigeration

Make certain the gauge wire of your extension cord is large enough to handle the amperage of the condensing unit and keep the cord length as short as possible.

Keep condenser coil free of any blockages to air flow and clean on a yearly basis.

Ice on cold plates works as an insulator. Defrost plates if build up is more than ½ inch.

Important Warning

Failure to maintain this equipment in good repair and operating condition can result in serious bodily injury or even death.

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Top-Hinged Door Maintenance Procedures

OPEN DOOR WARNING BUZZER AND LIGHT (should be tested daily)

With all of the omnivan body doors closed, turn on the truck ignition. Now open the first omnivan door. Look inside the cab. You should see the RED dash mounted open door warning light on and you should hear the open door warning buzzer. Close the first door and the light and buzzer should go off. Repeat this process with each door on the omnivan.

If the light and buzzer do not operate with the ignition on and any one of the omnivan doors open, check and make sure the light and buzzer are hooked up under the dash. Refer to the wiring schematic for wire color, wire size, fuse location, routing and grounding.

If the light and buzzer operate any time the ignition is on regardless of whether the omnivan doors are open or closed, somewhere down line of the light and buzzer the green wire is grounded. Follow the green wire from the buzzer and light back to the body. Check if anything has pinched, cut or nicked the wire causing it to ground. If nothing is found there, remove the driver's side front corner post cap and follow the green wire to the door switch. To remove the corner post cap, first pop out with a screwdriver the vertical strip that covers the screws. Then remove the screws holding the corner post cap on and it will pivot out and come off. You may need to cut the silicone at the top of the cap. If nothing is found here, remove the corner post caps at the other door switches and check for a green disconnected or pinched wire going to ground. If still nothing is found, disconnect the green wire going to the door switches one at a time and isolate where its grounding, there may be a defective switch.

PADDLE LATCH LUBRICATION (should be checked monthly)

If keys are hard to insert into cylinder or hard to turn, lubricate with a fine oil or silicone. The portion of the latch that locks around the striker post should be lubricated with a lithium type grease. This will prevent locks from sticking as well as drastically reduce wear and increase paddle latch life.

STRIKER PLATES (should be checked monthly)

Check the post portion of the striker plate that the latch locks around. Check for any wear or grooves caused by the latch itself. To test, close the door slowly until you hear the latch click only one time. Now try to pull the door open by the grab handle not the paddle latch. If the paddle latch is in the first click position and you can pull the door open, the striker post is worn too much and should be replaced. While you are checking, go ahead and push the door closed until you hear the second click from the paddle latch. This is the primary locking point and you should have a good tight seal. If needed the striker plate can be adjusted in or out to give a good seal when the door is closed.

DOOR HINGE PINS AND HINGE PLATES (should be checked monthly)

To check the hinge pins for wear, open the door and stand under it at the side where you can see the hinge pin. Now while looking at pin very closely, try to raise the door another inch or so and then let it go back to its relaxed position. Do this several times and look for any motion between the hinge pin and hinge plate. If you see the pin moving inside the hinge plate, the pin may be worn or the hinge plate may be worn. If you see the hinge moving inside the door extrusion, the threaded screw boss inside the top door extrusion may be wallowed. In either case you should remove the door for a closer inspection.

To remove the door, have someone hold up on the door while you remove the omniprops from the upper door arm brackets. Let the omniprops swing down out of the way. Remove the three hinge plate screws on the side of the door where the corner post or door divider is notched. Have your helper support the opposite end of the door while you pull the door and hinge plate away from the body. Now you can actually see if there is any wear on the hinge pins, hinge plate or if the pin is loose in the top door extrusion.

If the hinge pins are worn, look on the top of the top door extrusion about 1-7/8" from the end and you will see the end of a roll pin that goes through the hinge pin. Drive this roll pin on through the hinge pin with a pin punch. Now remove the worn hinge pin with a pair of vice grip pliers. Install the new hinge pin leaving 7/16" of the pin protruding from the side of the door. Drill a 1/8" hole through the new hinge pin 1-7/8" from the side of the door and insert the roll pin. Use a low RPM drill or trigger the drill to keep from burning up the small bit in the stainless pin.

The hinge plates are reversible for double life. If they are worn, they must be either reversed or replaced. If they have not been reversed before, take the left plate and use it on the right side and the right plate for the left side. If the hinge plates are worn in both holes, they must be replaced.

If the hinge pin is loose or has wallowed out the screw boss in the top door extrusion, replace the top door extrusion. This extrusion will already have new hinge pins installed in it. To remove the old top door extrusion, drill out the rivets on the backside of this extrusion then cut the welds in the upper corners with a hack saw. Cut the silicone loose with a razor knife then remove the old extrusion. To install the new extrusion with pins, reverse the procedure. Drill new holes and double up on the rivets on the back. When welding the corners, insert a thin strip of metal under the area to be welded between the extrusion and the fiberglass panel. This will prevent burning the fiberglass. TIG is the preferred method for welding these aluminum extrusions. After the welding is completed, silicone the seam between the extrusion and panel.

To re-hang the door, reverse the process used to remove the door. Make certain to install the nylon washers between the edge of the door and the hinge plate. These should be equally spaced on the left and right side and should allow no side to side motion of the door. When reinstalling the omniprops to the upper arm door brackets, make sure not to over tighten. **Snug down the nut then back it off ¼ turn.**

Order parts from: Equipment Innovators, 800 Industrial Park Drive, Marietta, GA 30062.
800-733-3434 www.equipmentinnovators.com

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Roll-Up Door Maintenance Procedures

The following items should be performed periodically to assure proper mobility of shutter curtain and all working mechanisms:

1. Check travel of shutter curtain for proper side clearance in guides. The shutter curtain should have space between the back wall of the guide and the curtain's end clips.
2. As shutter is traveling onto the roller drum, inspect each slat for damage including missing end clips.
3. Mounting brackets, motor mounts, guide bolts and any other fasteners should be checked and tightened if necessary.
4. with the curtain in the open position, wipe inside of guides clean and lubricate with lubricants that do not collect dust or other particles. Use substances such as graphite or silicone spray.

Omnivan® Specifications and Recommended Maintenance

Model numbers indicate the interior measurements of the body. Length x Width x Height.

The Prefix III indicates the panels are 1-3/4" thick. The prefix IV indicates they are 3-1/4" thick.

Panels are constructed with seamless FRP skins, laminated to a polystyrene core. The exterior sheet is gel coated and stabilized with UV inhibitors.

The panels are locked together with prefinished aluminum extrusions (anodized where applicable) resulting in an extremely high strength to weight ratio.

All joints are sealed with silicone.

All fasteners and hardware are stainless steel, aluminum or nylon.

Due to the high quality materials used in construction, omnivan® scheduled maintenance is extremely low.

The omnivan exterior should be maintained as any other vehicle finish by washing weekly with mild soap and water and polishing monthly with an automotive type wax.

The omnivan interior should be washed weekly with mild soap and water then hosed out and left to dry.

A visual inspection should be done daily looking for any loose fasteners or damage caused by misuse or accident.

Drivers should report immediately any problem or concern they may discover during daily usage.

EQUIPMENT INNOVATORS

omnivan[®] Maintenance/Troubleshooting Tips

1. BODY MOUNTING: Check body mounting bolts and tighten if necessary at 30, 60, and 90 days after purchase. After this break-in period, check and tighten if necessary every 6 months.

2. TOP HINGED DOORS:

The following should be performed on a daily basis:

- a. Check the open door warning buzzer and light for proper operation with all doors.

The following should be performed on a monthly basis:

- a. Spray lock key cylinders with a fine oil or silicone.
- b. Lubricate with a lithium type grease the portion of the latch that locks around the striker plate.
- c. Check striker plates for wear and replace if necessary.
- d. Check door hinge pins and hinge plates for tightness and wear. Replace any worn parts (NOTE: **omnivan**[®] hinge plates are reversible for double life.)
- e. Check omniprops and brackets for tightness and the ability to raise the door correctly.
- f. Check gaskets for a proper seal and replace if damaged.

3. SIDE HINGED DOORS:

a. Inspect and lubricate key cylinders and paddle latches, and check and replace striker plates if necessary same as above.

- b. Inspect piano hinges monthly to make certain all fasteners are tight and door is closing properly.

4. LIGHTS:

- a. Check interior lights and door switches daily during normal operation and change if necessary.
- b. Check tail lights, marker lights and reflectors on a daily basis and replace if needed.

5. FASTENERS:

- a. Tighten or replace any nuts, bolts, screws, rivets, etc. that appear loose as the situation dictates.

6. REFRIGERATION:

- a. Make certain the wire gauge of your extension cord is large enough to handle the amperage of the condensing unit and keep the cord length as short as possible.
- b. Keep condenser coil clean and free of any blockages to air flow on a yearly basis.
- c. Ice on the cold plates works as an insulator. Defrost plates if build up is more than 1/2 inch.

IMPORTANT WARNING: Failure to maintain this equipment in good repair and operating condition can result in serious bodily injury or even death.