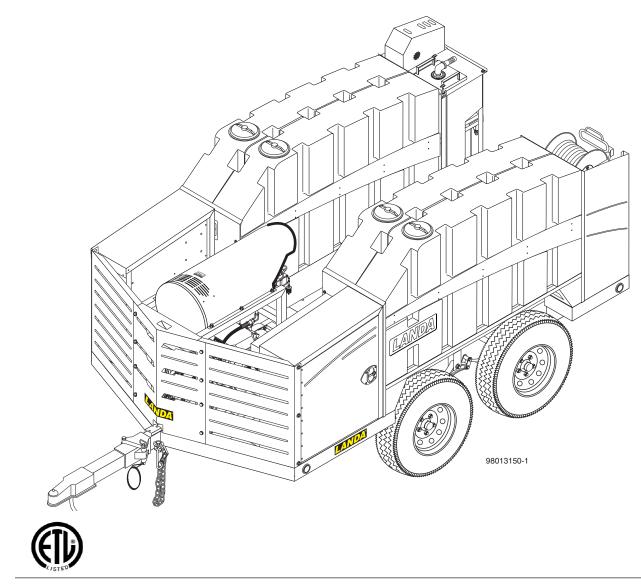
LANDA® SERVICE MANUAL

ECOS 7000



For technical assistance or the dealer nearest you, consult our web page at **www.landa.com**

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Model Number _____

Serial Number _____

Date of Purchase _____

The model and serial numbers will be found on a decal attached to the machine. You should record both serial number and date of purchase and keep in a safe place for future reference.

INTRODUCTION

Thank you for purchasing a Landa trailer.

This manual is designed to provide information to help you to understand, use and maintain your Landa ECOS 7000 trailer.

Owner/User Responsibility

The owner and/or user must have an understanding of the manufacturer's operating instructions and warnings before using this equipment. Warning information should be emphasized and understood. If the operator is not fluent in English, the manufacturer's instructions and warning shall be read to and discussed with the operator in the operator's native language by the purchaser/ owner, making sure that the operator comprehends its contents.

Owner and/or user must study and maintain for future reference the manufacturer's instructions.

This manual should be considered a permanent part of the equipment and should remain with it if unit is resold. When ordering parts, please specify model and serial number.

MACHINE SAFETY



WARNING: To reduce the risk of injury, read operating instructions carefully before using.

- Read the owner's manual thoroughly. Failure to follow instructions could cause malfunction of the unit and result in death, serious bodily injury and/or property damage.
- 2. The best insurance against an accident is precaution and knowledge of this equipment.

REPORTING SAFETY DEFECTS

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

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 Landa.

To contact NHTSA, you may either call the Auto Safety Hotline toll-free at 1-800-424-9393 (or 366-0123 in Washington, DC area) or write to NHTSA, U.S. Department of Transportation, Washington, DC 20590. You can also obtain other information about motor vehicle safety from the Hotline.

CHECKLIST

Before Your First Trip

- $\hfill\square$ Tire Pressure and Tire Condition
- □ Wheel Lugs*
- Bearing Lube and Tightness
- □ Burnish Brakes (See page 6)
- Brakes/Brake Controllers
- Breakaway Battery Charge
- Hitch
- Safety Chains
- 12V Running Lights
- Distribution and Security
- □ All Jacks "Up" in Travel Position

* Check lug nuts for tightness before initial trip, at 10 miles, 25 miles and 50 miles. Recheck every 3 months or 3000 miles.

Your Landa Dealer, in all probability, checked each of these points before you took delivery. However, these are key things you should recheck before taking your trailer on the road for the first time.

WHAT TO CHECK AND HOW TO CHECK

Tire Pressure

Proper air pressure for your tires is printed on the sidewall. Check pressure while tires are cold. Do not raise or lower pressure to meet load. Pressure other than recommended pressure will lead to excessive tire wear or tire failure. <u>Balancing recommended</u>. Preferred balancing method is to center off of stud holes, since 13" through 16.5" wheels are not hub piloted.

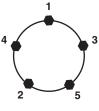
Wheels

Check wheels for hole elongation or "out of round". This condition can be caused by lug nuts not being tight or being too tight. Trailer wheels can be damaged by chuck holes or curb jumping. You may not be aware of the road shock to the wheels without periodic checks. Replace any wheel that is bent. Replace any wheel if you see elongation of the bolt holes.

Wheel Lugs

Wheel lug nuts must be tightened with a torque wrench. Refer to the chart below for proper torque

- 1. Start all bolts or nuts by hand to prevent cross threading.
- 2. Tighten bolts or nuts following sequence at right.
- 3. The tightening of the fasteners should be done in stages. Following the recommended sequence, tighten fasteners per wheel torque chart below.



4. Wheel nuts/bolts should be torqued before first road use and after each wheel removal. Check and re-torque after the first 10 miles, 25 miles and again at 50 miles. Check periodically thereafter.

Wheel Torque Requirements

TORQUE SEQUENCE

| WHEEL | 1st | 2nd | 3rd |
|-------|---------|---------|----------|
| SIZE | Stage | Stage | Stage |
| 14" | 20 - 25 | 50 - 60 | 90 - 120 |

Ball Coupler Hitches

Coupler assembly includes a latch lever and latch lever safety pin or hitch pin. Be sure the latch lever is locked and the pin properly secured before moving your trailer. The pin can be engaged fully only if ball is properly seated in the coupler.

Hitch Balls

These come in a variety of diameters and capacities. The GVWR (General Vehicle Weight Rating) capacity is always stamped on the ball. Use a 2" ball. **Always** be sure the hitch ball at least matches the GVWR of your trailer. **Always** be sure the diameter of the hitch ball matches the coupler diameter. **Never** attempt to tow your trailer with improper size ball. **Always** keep ball greased to avoid excessive wear. Replace worn hitch ball or locking dogs promptly.

Tires

Before mounting tires onto wheels make certain that the rim size and contour is approved for the tire as shown in the Tire and Rim Association Yearbook or the tire manufacturer's catalog. Also make sure the tire will carry the rated load. If the load is not equal on all tires due to trailer weight distribution, use the tire rated for the heaviest wheel position.

Note: The capacity rating molded into the sidewall of the tire is not always the proper rating for the tire if used in a trailer application. Use the following guideline:

- 1. LT and ST tires: use the capacity rating molded into the tire.
- 2. Passenger Car Tires: Use the capacity rating molded into the tire sidewall divided by 1.10.

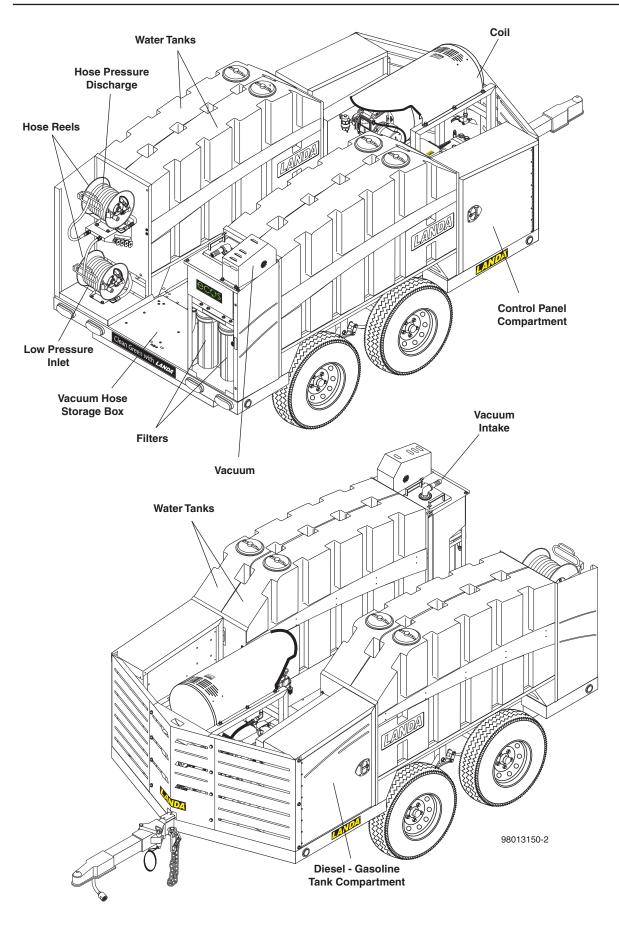
Use tire mounting procedures as outlined by the Rubber Manufacturer's Association or the tire manufacturers.

Tire inflation pressure is the most important factor in tire life. Inflation pressure should be as recommended by the manufacturer for the load. Pressure should be checked cold before operation. Do not bleed air from tires when they are hot. Check inflation pressure weekly during use to insure the maximum tire life and tread wear. The following tire wear diagnostic chart will help you pinpoint the causes and solutions of tire wear problems.

Note: Tire wear should be checked frequently because once a wear pattern becomes firmly established in a tire it is difficult to stop, even if the underlying cause is corrected.

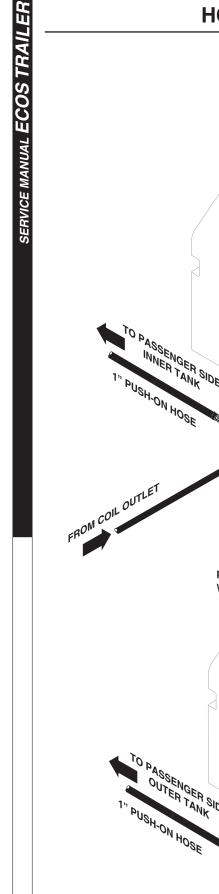
| WEAR P | WEAR PATTERN Center Wear | | ACTION |
|--------|--------------------------|---|--|
| | | | Adjust pressure to particular load per tire catalog. |
| | Edge Wear | Under Inflation | Adjust pressure to particular load per tire catalog. |
| | Side Wear | Loss of camber or overloading | Make sure load doesn't exceed axle rating. Align at alignment shop. |
| | Toe Wear | Incorrect toe-in | Align at alignment shop. |
| | Cupping | Out of balance | Check bearing adjustment and balance tires. |
| | Flat Spots | Wheel lockup & tire skid- ding | Avoid sudden stops when pos- sible and adjust brakes. |

TRAILER COMPONENT INDENTIFICATION VIEWS



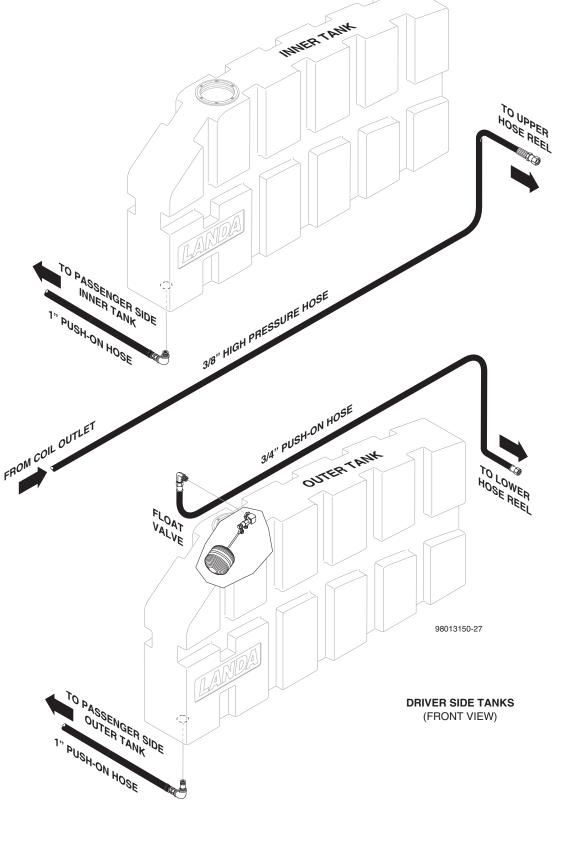
ECOS TRA

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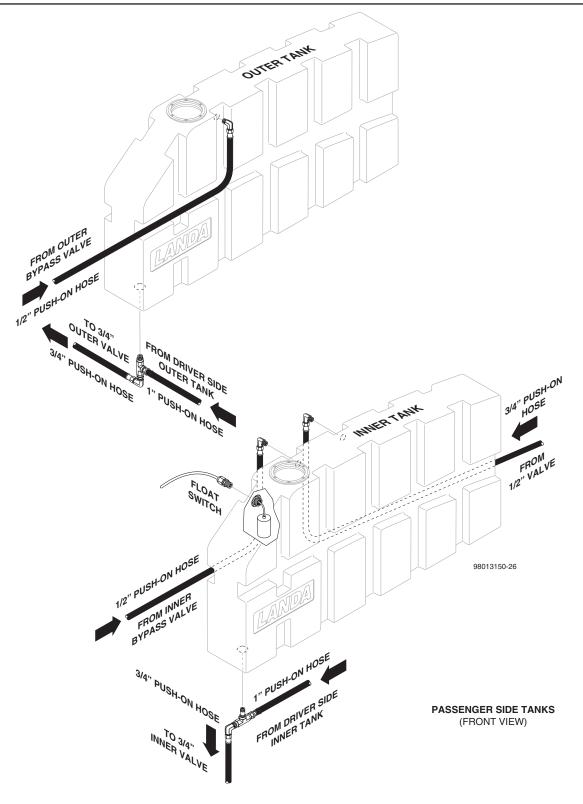


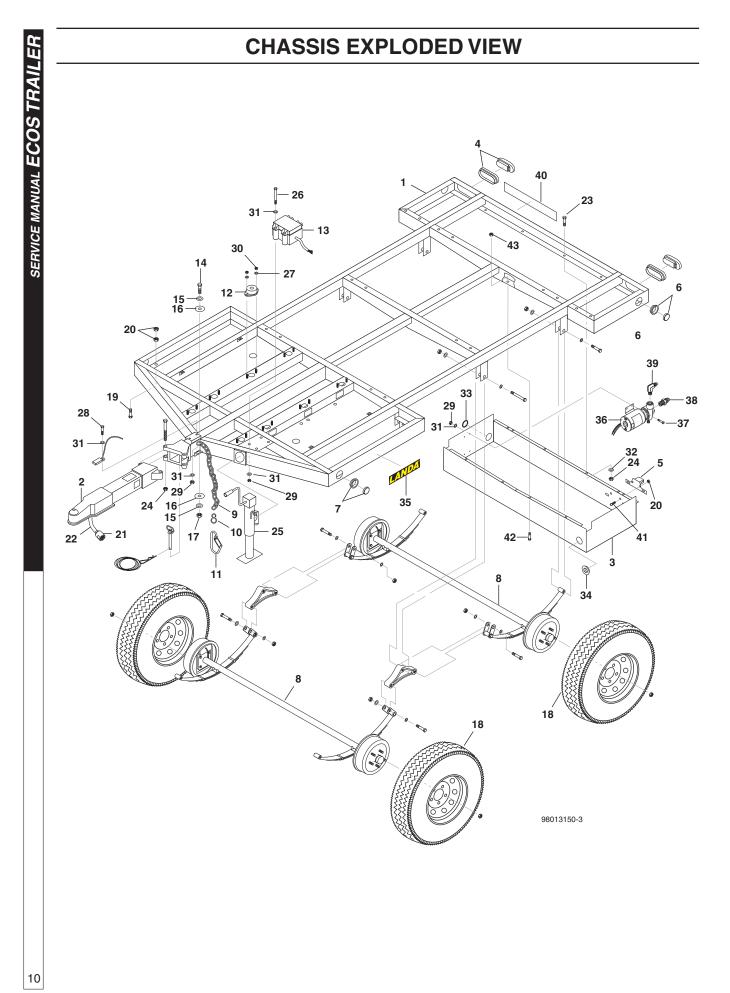
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HOSE ROUTING (DRIVER'S SIDE)



HOSE ROUTING (PASSENGER SIDE)





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CHASSIS EXPLODED VIEW PARTS LIST

| ITEM | EM PART NO. DESCRIPTION | | QTY |
|------|-------------------------|---|-------|
| 1 | 8.919-173.0 | WImt, ECOS Trailer Frame | 1 |
| 2 | 8.919-170.0 | Wlmt, Coupler, 3 x 4 Fold-Away Hinge | 1 |
| 3 | 8.919-218.0 | Box, Vacuum Hose Storage | 1 |
| 4 | 8.725-530.0 | Lamp, Tail, 3-Way | 2 |
| 5 | 8.725-533.0 | Lamp, License w/Holder | 1 |
| 6 | 8.725-531.0 | Lamp, Side Marker, Red | 2 |
| 7 | 8.725-532.0 | Lamp, Side Marker, Amber | 2 |
| 8 | 8.750-645.0 | Axle Kit 65.5", Elec Brakes, 2 Axles | 1 |
| 9 | 8.707-497.0 | Chain, 5/16" Zinc Plated, 70'/ RL | 8 |
| 10 | 8.707-498.0 | Hook, "S" , 5/16" Zinc Plated | 2 |
| 11 | 8.726-136.0 | Hook, Latching | 2 |
| 12 | 8.706-505.0 | isolator, Vibration Mnt, 150 lb | 8 |
| 13 | 8.750-681.0 | Trailer Breakaway, Kit w/Battery | 1 |
| 14 | 8.718-661.0 | Bolt, 3/8" x 1-1/2", NC,HH, SS | 2 |
| 15 | 9.802-808.0 | Washer, 3/8" SAE, SS | 4 |
| 16 | 9.802-812.0 | Washer, 3/8" x 1-1/2", Fender | 4 |
| 17 | 9.802-780.0 | Nut, 3/8" Stainless, ESNA | 2 |
| 18 | 8.750-687.0 | Chrome Wheel/Tire ST205/75R15 | 4 |
| 19 | 8.718-760.0 | Screw, 10/32" x 5/8" Phil Pan, SS | 6 |
| 20 | 9.802-696.0 | Nut, 10/32" NF ST ST Kep | 15 |
| 21 | 8.707-511.0 | Plug, 7-Prong | 1 |
| 22 | 9.802-445.0 | Wrap, Spiral, 1/2" Black /FT 250/RL | 5 ft. |

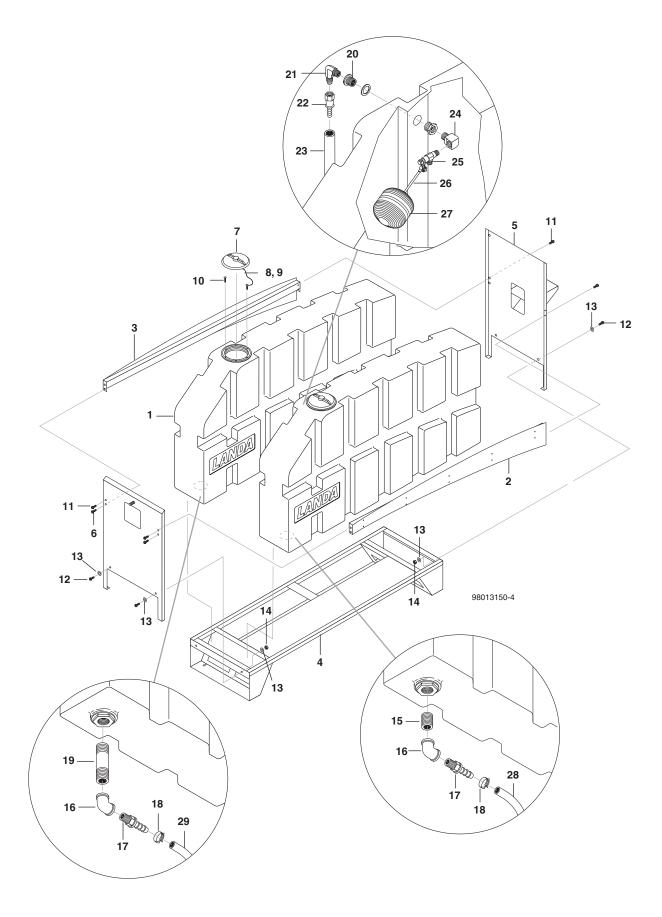
| ITEN | I PART NO. | DESCRIPTION | QTY |
|------|-------------|---|-----|
| 23 | 9.802-767.0 | Screw, 3/8" x 3/4" NC, Whiz Loc Flange | 4 |
| 24 | 9.802-779.0 | Nut, 3/8" ESNA, NC | 4 |
| 25 | 8.751-056.0 | Jack, Weld-On Bracket, Sidewind | 1 |
| 26 | 8.718-611.0 | Bolt, 1/4-20 x 3-1/2", HH Tap Zinc | 4 |
| 27 | 8.718-980.0 | Washer, 5/16" Flat | 16 |
| 28 | 9.802-700.0 | Bolt, 1/4-20 x 3/4", NC | 1 |
| 29 | 9.802-773.0 | Nut, 1/4-20 ESNA NC | 9 |
| 30 | 9.802-776.0 | Nut, 5/16" ESNA, NC | 16 |
| 31 | 9.802-802.0 | Washer, 1/4" SAE, Flat Zinc | 14 |
| 32 | 9.802-807.0 | Washer, 3/8" SAE, Flat Zinc | 4 |
| 33 | 8.706-546.0 | Grommet, 1-3/4" x 2-1/2" | 1 |
| 34 | 9.802-103.0 | Bushing, 5/8" Snap | 1 |
| 35 | 8.916-090.0 | Label, Landa Logo, 11 x 3.5" | 2 |
| 36 | 8.750-653.0 | Pump, Hypro Centrifugal, 12V, 16 GPM | 1 |
| 37 | 9.802-754.0 | Screw, 1/4" x 1/2" NC, Whiz | 4 |
| 38 | 8.706-899.0 | Nipple, 3/4" JIC x 3/4" | 1 |
| 39 | 9.803-557.0 | Elbow, 3/4" SAE x 3/4", 90°, Brass | 1 |
| 40 | 9.807-358.0 | Label, Landa Slogan | 1 |
| 41 | 8.718-813.0 | Screw, 10/32 x 1/2" SOC SS | 2 |
| 42 | 9.802-769.0 | Screw, 3/8" x 1-3/4" Whiz | 4 |
| 43 | 9.802-781.0 | Nut, 3/8 x Whiz Loc | 4 |

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LEFT SIDE (DRIVER SIDE) WATER TANK EXPLODED VIEW

SERVICE MANUAL ECOS TRAILER

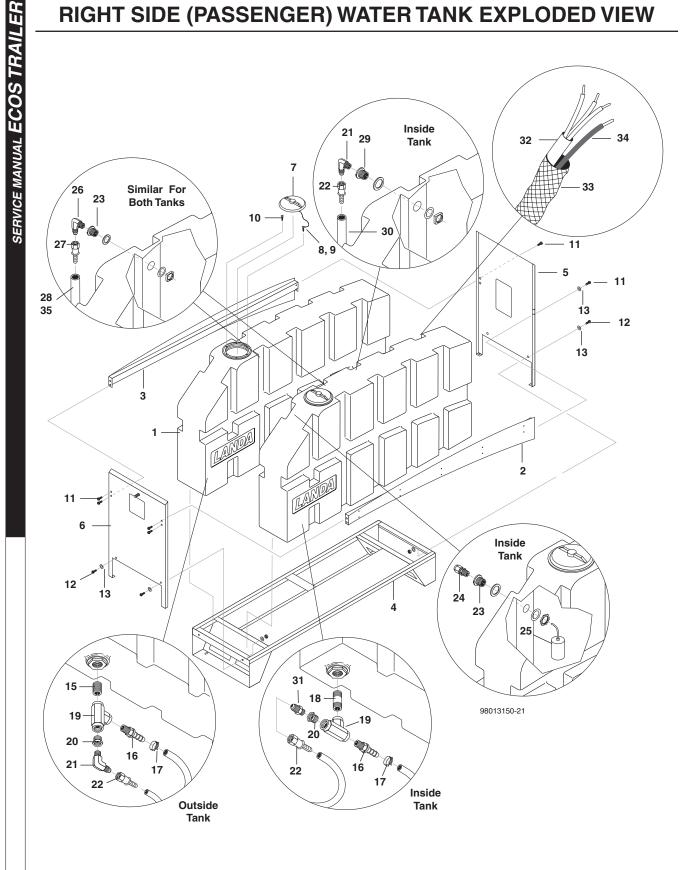
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LEFT SIDE (DRIVER SIDE) WATER TANK PARTS LIST

| ITEM | PART NO. | DESCRIPTION | | |
|------|-------------|--|--------|--|
| 1 | 8.750-983.0 | Tank, 100 Gallon Water | 2 | |
| 2 | 8.919-198.0 | Wlmt, Tank Support, Drvr Side | 1 | |
| 3 | 8.919-199.0 | Wlmt, Tank Support, Pass Side | e 1 | |
| 4 | 8.919-186.0 | Wlmt, Tank Base, Fender Well, Drvr Side | 1 | |
| 5 | 8.919-299.0 | Wlmt, Rear Tank Support, Hose Reel | 1 | |
| 6 | 8.919-301.0 | WImt, Support, Tank End, Fron | it 1 | |
| 7 | 8.600-262.0 | Access Cover, Clear 6" w/Rim | 2 | |
| 8 | 8.624-608.0 | Lanyard, 18.0 w/Loop & Eye | 2 | |
| 9 | 8.718-929.0 | Screw, #6 x 3/8" Phil Pan Sheet Metal | 2 | |
| 10 | 8.718-934.0 | Screw, #8 x 1", Phil Pan Sheet Metal | 12 | |
| 11 | 9.802-769.0 | Screw, 3/8" x 1-3/4", Whiz Loc Flange | 8 | |
| 12 | 9.802-720.0 | Bolt, 3/8" x 1", NC | 4 | |
| 13 | 9.802-807.0 | Washer, 3/8", SAE, Flat Zinc | 8 | |
| 14 | 9.802-779.0 | Nut, 3/8", Esna, NC | 4 | |
| 15 | 8.705-979.0 | Nipple, 1" Close Galv | 1 | |
| 16 | 8.706-150.0 | Elbow, 1" 150WP PL | 2 | |
| 17 | 8.730-404.0 | Pipe, Barbed Male NPT 1" Gal | v 2 | |
| 18 | 9.803-629.0 | Clamp, Screw,9/16"W, 1-1/2"D, SS | 2 | |
| 19 | 8.706-018.0 | Nipple, 1" x 4", Galv." | 1 | |
| 20 | 9.802-052.0 | Bulkhead, 3/4" Polypro | 1 | |
| 21 | 9.803-557.0 | Elbow, 3/4" SAE x 3/4", 90°, Brass | 1 | |
| 22 | 9.802-152.0 | Swivel, 3/4" SAE Fem, Push-C |)n 1 | |
| 23 | 9.802-261.0 | Hose, 3/4" Push-On, /Ft | 9 ft. | |
| 24 | 8.706-181.0 | Elbow, Street 3/4" Galv | 1 | |
| 25 | 8.749-329.0 | Float Valve, 3/4" Kerick | 1 | |
| 26 | 9.802-158.0 | Stem, 4" Float | 1 | |
| 27 | 8.706-512.0 | Ball, Float, Black Plastic | 1 | |
| 28 | 9.802-262.0 | | 62 in. | |
| 29 | 9.802-262.0 | Hose, 1" Push-On | 52 in. | |

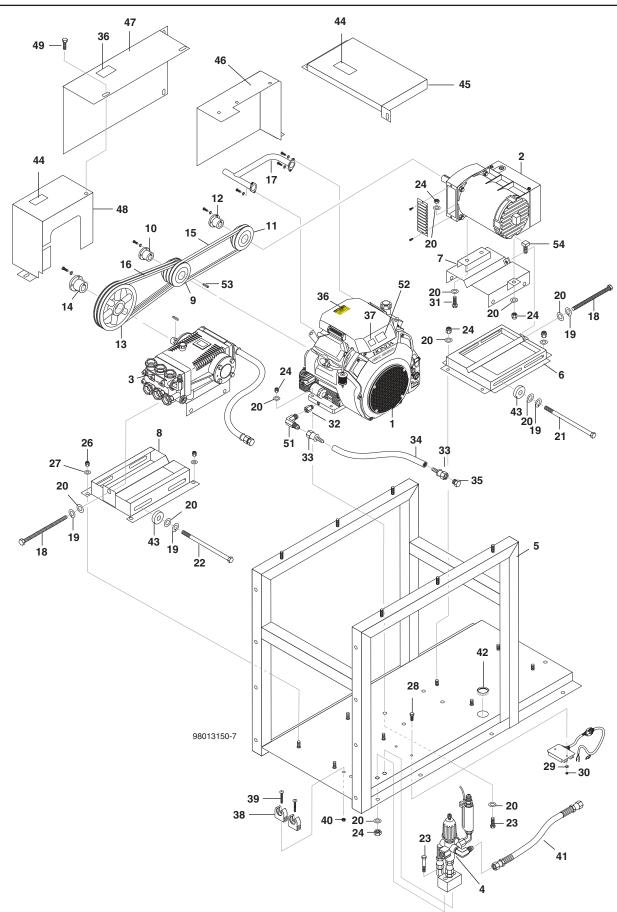
RIGHT SIDE (PASSENGER) WATER TANK EXPLODED VIEW



RIGHT SIDE (PASSENGER SIDE) WATER TANK PARTS LIST

| 1 8.750-983.0 Tank, 100 Gallon Water 2 2 8.919-198.0 Wimt, Tank Support, Drvr Side 1 3 8.919-198.0 Wimt, Tank Support, Pass Side 1 4 8.919-199.0 Wimt, Tank Base, Fender Well 1 5 8.919-300.0 Wimt, Support, Rear Tank End, Vac Side 1 6 8.919-301.0 Wimt, Support, Tank End, Front 1 7 8.600-262.0 Access Cover Clear 6" w/Rim 2 8 8.624-608.0 Lanyard, 18.0 w/Loop & Eye 2 9 8.718-929.0 Screw, #6 x 3/8" Phil Pan Sheet Metal 12 10 8.718-929.0 Screw, #8 x 1", Phil Pan Sheet Metal 12 11 9.802-720.0 Bolt, 3/8" x 1", NC 8 12 9.802-779.0 Nut, 3/8", SAE, Flat Zinc 8 14 9.802-779.0 Nut, 3/8", SAE, Flat Zinc 8 14 9.802-779.0 Nut, 3/8", SAE, NC 4 15 8.706-018.0 Nipple, 1" Close Galv 1 16 8.730-404.0 | ITEM | ITEM PART NO. DESCRIPTION | | |
|---|------|---------------------------|--------------------------------|--------|
| 3 8.919-199.0 WImt, Tank Support, Pass Side 1 4 8.919-186.0 WImt, Tank Base, Fender Well 1 5 8.919-300.0 WImt, Support, Rear Tank End, Vac Side 1 6 8.919-301.0 WImt, Support, Tank End, Front 1 7 7 8.600-262.0 Access Cover Clear 6" w/Rim 2 8 8 8.624-608.0 Lanyard, 18.0 w/Loop & Eye 2 2 9 8.718-929.0 Screw, #6 x 3/8" Phil Pan Sheet Metal 2 10 8.718-934.0 Screw, #8 x 1", Phil Pan Sheet Metal 12 11 9.802-770.0 Boit, 3/8" x 1", NC 8 12 9.802-779.0 Nut, 3/8", SAE, Flat Zinc 8 14 9.802-779.0 Nut, 12 (Sa </td <td>1</td> <td>8.750-983.0</td> <td colspan="2">Tank, 100 Gallon Water</td> | 1 | 8.750-983.0 | Tank, 100 Gallon Water | |
| 4 8.919-186.0 WImt, Tank Base, Fender Well 1 5 8.919-300.0 WImt, Support, Rear Tank End, Vac Side 1 6 8.919-301.0 WImt, Support, Tank End, Front 1 7 7 8.600-262.0 Access Cover Clear 6" w/Rim 2 8 8.624-608.0 Lanyard, 18.0 w/Loop & Eye 2 9 8.718-929.0 Screw, #6 x 3/8" Phil Pan Sheet Metal 2 10 8.718-934.0 Screw, #8 x 1", Phil Pan Sheet Metal 12 11 9.802-767.0 Screw, 3/8" x 3/4" NC, Whiz Loo Flange 4 13 9.802-779.0 Nut, 3/8", SAE, Flat Zinc 8 14 9.802-779.0 Nut, 3/8", SAE, SAE, Flat Zinc 8 14 9.802-779.0 Nut, 3/8", SAE, Flat Zinc 8 14 9.802-779.0 Nut, 3/8", SAE, SAE, NC 4 15 8.705-979.0 Nipple, 1" Close Galv 1 16 8.730-404.0 Pipe, Barbed, Male NPT 1 17 9.803-629.0 Clamp, Screw, 9/16" W, 1-11/2" D, SS 2 18 | 2 | 8.919-198.0 | Wlmt, Tank Support, Drvr Side | 1 |
| 5 8.919-300.0 WInt, Support, Rear Tank End, Vac Side 1 6 8.919-301.0 Wimt, Support, Tank End, Front 1 7 7 8.602-262.0 Access Cover Clear 6" w/Rim 2 8 8.624-608.0 Lanyard, 18.0 w/Loop & Eye 2 9 8.718-929.0 Screw, #6 x 3/8" Phil Pan Sheet Metal 2 10 8.718-934.0 Screw, #8 x 1", Phil Pan Sheet Metal 12 11 9.802-767.0 Screw, 3/8" x 3/4" NC, Whiz Loc Flange 4 13 9.802-807.0 Washer, 3/8", SAE, Flat Zinc 8 14 9.802-779.0 Nut, 3/8", ESNA, NC 4 15 8.705-979.0 Nipple, 1" Close Galv 1 16 8.730-404.0 Pipe, Barbed, Male NPT 1 17 9.803-629.0 Clamp, Screw, 9/16" W, 1-1/2" D, SS 2 18 8.706-018.0 Nipple, 1" x 4", Galv 1 20 8.706-139.0 Bushing, Redc 1 x 3/4 PL 1 21 9.803-557.0 Elbow, 3/4" SAE Fem, Push-On 3 23 | 3 | 8.919-199.0 | WImt, Tank Support, Pass Side | 9 1 |
| Vac Side 1 6 8.919-301.0 WImt, Support, Tank End, Front 1 7 8.600-262.0 Access Cover Clear 6" w/Rim 2 8 8.624-608.0 Lanyard, 18.0 w/Loop & Eye 2 9 8.718-929.0 Screw, #6 x 3/8" Phil Pan Sheet Metal 2 10 8.718-934.0 Screw, #8 x 1", Phil Pan Sheet Metal 12 11 9.802-720.0 Bolt, 3/8" x 1", NC 8 12 9.802-767.0 Screw, 3/8" x 3/4" NC, Whiz Loc Flange 4 13 9.802-807.0 Washer, 3/8", SAE, Flat Zinc 8 14 9.802-779.0 Nut, 3/6", ESNA, NC 4 15 8.705-979.0 Nipple, 1" Close Galv 1 16 8.730-404.0 Pipe, Barbed, Male NPT 1 17 9.803-629.0 Clamp, Screw, 9/16" W, 1-1/2" D, SS 2 18 8.706-018.0 Nipple, 1" x 4", Galv 1 20 8.706-139.0 Bushing, Redc 1 x 3/4 PL 1 21 9.803-557.0 Elbow, 3/4" SAE Fem, Push-On 3 | 4 | 8.919-186.0 | WImt, Tank Base, Fender Well | 1 |
| 7 8.600-262.0 Access Cover Clear 6" w/Rim 2 8 8.624-608.0 Lanyard, 18.0 w/Loop & Eye 2 9 8.718-929.0 Screw, #6 x 3/8" Phil Pan Sheet Metal 2 10 8.718-934.0 Screw, #8 x 1", Phil Pan Sheet Metal 12 11 9.802-720.0 Bolt, 3/8" x 1", NC 8 12 9.802-767.0 Screw, 3/8" x 3/4" NC, Whiz Loc Flange 4 13 9.802-807.0 Washer, 3/8", SAE, Flat Zinc 8 14 9.802-779.0 Nut, 3/8", ESNA, NC 4 15 8.705-979.0 Nipple, 1" Close Galv 1 16 8.730-404.0 Pipe, Barbed, Male NPT 1 17 9.803-629.0 Clamp, Screw, 9/16" W, 1-1/2" D, SS 2 18 8.706-018.0 Nipple, 1" x 4", Galv 1 19 8.751-249.0 Tee, 1" NPT, Galv 2 20 8.706-118.0 Nipple, 3/4" SAE Fam, Push-On 3 21 9.803-557.0 Elbow, 3/4" SAE Fem, Push-On 3 23 8.750-743.0 <t< td=""><td>5</td><td>8.919-300.0</td><td></td><td></td></t<> | 5 | 8.919-300.0 | | |
| 8 8.624-608.0 Lanyard, 18.0 w/Loop & Eye 2 9 8.718-929.0 Screw, #6 x 3/8" Phil Pan Sheet Metal 2 10 8.718-929.0 Screw, #8 x 1", Phil Pan Sheet Metal 12 11 9.802-720.0 Bolt, 3/8" x 1", NC 8 12 9.802-767.0 Screw, 3/8" x 3/4" NC, Whiz Loc Flange 4 13 9.802-807.0 Washer, 3/8", SAE, Flat Zinc 8 14 9.802-779.0 Nut, 3/8", ESNA, NC 4 15 8.705-979.0 Nipple, 1" Close Galv 1 16 8.730-404.0 Pipe, Barbed, Male NPT 1" Galv 2 17 9.803-629.0 Clamp, Screw, 9/16" W, 1-1/2" D, SS 2 18 8.706-018.0 Nipple, 1" x 4", Galv 1 19 8.751-249.0 Tee, 1" NPT, Galv 2 20 8.706-139.0 Bushing, Redc 1 x 3/4 PL 1 21 9.802-512.0 Swivel, 3/4" SAE Fem, Push-On 3 23 8.750-743.0 Bulkhead, 1/2" Polypro 3 24 9.802-514.0 <t< td=""><td>6</td><td>8.919-301.0</td><td>WImt, Support, Tank End, Fron</td><td>t 1</td></t<> | 6 | 8.919-301.0 | WImt, Support, Tank End, Fron | t 1 |
| 9 8.718-929.0 Screw, #6 x 3/8" Phil Pan Sheet Metal 2 10 8.718-934.0 Screw, #8 x 1", Phil Pan Sheet Metal 12 11 9.802-720.0 Bolt, 3/8" x 1", NC 8 12 9.802-767.0 Screw, 3/8" x 3/4" NC, Whiz Loc Flange 4 13 9.802-807.0 Washer, 3/8", SAE, Flat Zinc 8 14 9.802-779.0 Nut, 3/8", ESNA, NC 4 15 8.705-979.0 Nipple, 1" Close Galv 1 16 8.730-404.0 Pipe, Barbed, Male NPT 2 17 9.803-629.0 Clamp, Screw, 9/16" W, 1-1/2" D, SS 2 18 8.706-018.0 Nipple, 1" x 4", Galv 1 19 8.751-249.0 Tee, 1" NPT, Galv 2 20 8.706-139.0 Bushing, Redc 1 x 3/4 PL 1 21 9.803-557.0 Elbow, 3/4" SAE x 3/4" JIC, 90°, Brass 2 22 9.802-152.0 Swivel, 3/4" SAE Fem, Push-On 3 23 8.750-743.0 Bulkhead, 1/2" Polypro 3 24 9.802-514.0 | 7 | 8.600-262.0 | Access Cover Clear 6" w/Rim | 2 |
| Sheet Metal 2 10 8.718-934.0 Screw, #8 x 1", Phil Pan Sheet Metal 12 11 9.802-720.0 Bolt, 3/8" x 1", NC 8 12 9.802-767.0 Screw, 3/8" x 3/4" NC, Whiz Loc Flange 4 13 9.802-807.0 Washer, 3/8", SAE, Flat Zinc 8 14 9.802-779.0 Nut, 3/8", ESNA, NC 4 15 8.705-979.0 Nipple, 1" Close Galv 1 16 8.730-404.0 Pipe, Barbed, Male NPT 2 17 9.803-629.0 Clamp, Screw, 9/16" W, 1-1/2" D, SS 2 18 8.706-018.0 Nipple, 1" X4", Galv 1 19 8.751-249.0 Tee, 1" NPT, Galv 2 20 8.706-139.0 Bushing, Redc 1 x 3/4 PL 1 21 9.803-557.0 Elbow, 3/4" SAE x 3/4" JIC, 90°, Brass 2 22 9.802-152.0 Swivel, 3/4" SAE Fem, Push-On 3 23 8.750-743.0 Bulkhead, 1/2" Polypro 3 24 9.802-514.0 Strain Relief, Lt, Str, 1/2 NPT, .2345D 1 | 8 | 8.624-608.0 | Lanyard, 18.0 w/Loop & Eye | 2 |
| Sheet Metal 12 11 9.802-720.0 Bolt, 3/8" x 1", NC 8 12 9.802-767.0 Screw, 3/8" x 3/4" NC, Whiz Loc Flange 4 13 9.802-807.0 Washer, 3/8", SAE, Flat Zinc 8 14 9.802-779.0 Nut, 3/8", ESNA, NC 4 15 8.705-979.0 Nipple, 1" Close Galv 1 16 8.730-404.0 Pipe, Barbed, Male NPT 1" Galv 2 17 9.803-629.0 Clamp, Screw, 9/16" W, 1-1/2" D, SS 2 18 8.706-018.0 Nipple, 1" x 4", Galv 1 19 8.751-249.0 Tee, 1" NPT, Galv 2 20 8.706-139.0 Bushing, Redc 1 x 3/4 PL 1 21 9.803-557.0 Elbow, 3/4" SAE Fem, Push-On 3 23 8.750-743.0 Bulkhead, 1/2" Polypro 3 24 9.802-514.0 Strain Relief, Lt, Str, 1/2 NPT, .2345D 1 25 8.749-147.0 Switch, Float, NC, 5A/250 Vac 1 26 9.802-151.0 Switch, Float, NC, 5A/250 Vac 1 | 9 | 8.718-929.0 | | 2 |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | 10 | 8.718-934.0 | | 12 |
| Flange 4 13 9.802-807.0 Washer, 3/8", SAE, Flat Zinc 8 14 9.802-779.0 Nut, 3/8", ESNA, NC 4 15 8.705-979.0 Nipple, 1" Close Galv 1 16 8.730-404.0 Pipe, Barbed, Male NPT 1" Galv 2 17 9.803-629.0 Clamp, Screw, 9/16" W, 1-1/2" D, SS 2 18 8.706-018.0 Nipple, 1" x 4", Galv 1 19 8.751-249.0 Tee, 1" NPT, Galv 2 20 8.706-139.0 Bushing, Redc 1 x 3/4 PL 1 21 9.803-557.0 Elbow, 3/4" SAE x 3/4" JIC, 90°, Brass 2 22 9.802-152.0 Swivel, 3/4" SAE Fem, Push-On 3 23 8.750-743.0 Bulkhead, 1/2" Polypro 3 24 9.802-514.0 Strain Relief, Lt, Str, 1/2 NPT, .2345D 1 25 8.749-147.0 Switch, Float, NC, 5A/250 Vac 1 26 9.802-151.0 Swivel, 1/2" Barb x 1/2" MPT, 90° 2 2 27 9.802-151.0 Swivel, 1/2" Barb x 1/2" JIC, Fem/Brass | 11 | 9.802-720.0 | Bolt, 3/8" x 1", NC | 8 |
| 14 9.802-779.0 Nut, 3/8", ESNA, NC 4 15 8.705-979.0 Nipple, 1" Close Galv 1 16 8.730-404.0 Pipe, Barbed, Male NPT 1" Galv 2 17 9.803-629.0 Clamp, Screw, 9/16" W, 1-1/2" D, SS 2 18 8.706-018.0 Nipple, 1" x 4", Galv 1 19 8.751-249.0 Tee, 1" NPT, Galv 2 20 8.706-139.0 Bushing, Redc 1 x 3/4 PL 1 21 9.803-557.0 Elbow, 3/4" SAE x 3/4" JIC, 90°, Brass 2 22 9.802-152.0 Swivel, 3/4" SAE Fem, Push-On 3 23 8.750-743.0 Bulkhead, 1/2" Polypro 3 24 9.802-514.0 Strain Relief, Lt, Str, 1/2 NPT, .2345D 1 25 8.749-147.0 Switch, Float, NC, 5A/250 Vac 1 26 9.802-151.0 Swivel, 1/2" Barb x 1/2" JIC, Fem/Brass 4 28 9.802-259.0 Hose, 1/2" Push-On, 63 in. 29 9.802-052.0 Bulkhead, 3/4" Polypro 1 30 9.802-259.0 | 12 | 9.802-767.0 | | |
| 15 8.705-979.0 Nipple, 1" Close Galv 1 16 8.730-404.0 Pipe, Barbed, Male NPT 1 1" Galv 2 17 9.803-629.0 Clamp, Screw, 9/16" W, 1-1/2" D, SS 2 18 8.706-018.0 Nipple, 1" x 4", Galv 1 19 8.751-249.0 Tee, 1" NPT, Galv 2 20 8.706-139.0 Bushing, Redc 1 x 3/4 PL 1 21 9.803-557.0 Elbow, 3/4" SAE x 3/4" JIC, 90°, Brass 22 9.802-152.0 Swivel, 3/4" SAE Fem, Push-On 3 23 8.750-743.0 Bulkhead, 1/2" Polypro 3 24 9.802-514.0 Strain Relief, Lt, Str, 1/2 NPT, .2345D 1 25 8.749-147.0 Switch, Float, NC, 5A/250 Vac 1 26 9.802-151.0 Switch, Float, NC, 5A/250 Vac 1 26 9.802-151.0 Switch, I/2" Barb x 1/2" JIC, Fem/Brass 27 9.802-259.0 Hose, 1/2" Push-On, 63 in. 29 9.802-259.0 </td <td>13</td> <td>9.802-807.0</td> <td>Washer, 3/8", SAE, Flat Zinc</td> <td>8</td> | 13 | 9.802-807.0 | Washer, 3/8", SAE, Flat Zinc | 8 |
| 16 8.730-404.0 Pipe, Barbed, Male NPT 1" Galv 2 17 9.803-629.0 Clamp, Screw, 9/16" W, 1-1/2" D, SS 2 18 8.706-018.0 Nipple, 1" x 4", Galv 1 19 8.751-249.0 Tee, 1" NPT, Galv 2 20 8.706-139.0 Bushing, Redc 1 x 3/4 PL 1 21 9.803-557.0 Elbow, 3/4" SAE x 3/4" JIC, 90°, Brass 2 22 9.802-152.0 Swivel, 3/4" SAE Fem, Push-On 3 23 8.750-743.0 Bulkhead, 1/2" Polypro 3 24 9.802-514.0 Strain Relief, Lt, Str, 1/2 NPT, .2345D 1 25 8.749-147.0 Switch, Float, NC, 5A/250 Vac 1 26 9.802-151.0 Switch, Float, NC, 5A/250 Vac 1 26 9.802-151.0 Switch, Float, NC, 5A/250 Vac 1 27 9.802-259.0 Hose, 1/2" Barb x 1/2" JIC, Fem/Brass 4 28 9.802-259.0 Hose, 3/4" Polypro 1 30 9.802-261.0 Hose, 3/4" Polypro < | 14 | 9.802-779.0 | Nut, 3/8", ESNA, NC | 4 |
| 1" Galv 2 17 9.803-629.0 Clamp, Screw, 9/16" W, 1-1/2" D, SS 2 18 8.706-018.0 Nipple, 1" x 4", Galv 1 19 8.751-249.0 Tee, 1" NPT, Galv 2 20 8.706-139.0 Bushing, Redc 1 x 3/4 PL 1 21 9.803-557.0 Elbow, 3/4" SAE x 3/4" JIC, 90°, Brass 2 22 9.802-152.0 Swivel, 3/4" SAE Fem, Push-On 3 23 8.750-743.0 Bulkhead, 1/2" Polypro 3 24 9.802-514.0 Strain Relief, Lt, Str, 1/2 NPT, .2345D 1 25 8.749-147.0 Switch, Float, NC, 5A/250 Vac 1 26 9.802-131.0 Elbow, 1/2" JIC x 1/2" MPT, 90° 2 2 27 9.802-151.0 Swivel, 1/2" Barb x 1/2" JIC, Fem/Brass 4 28 9.802-259.0 Hose, 1/2" Push-On, 63 in. 29 9.802-052.0 Bulkhead, 3/4" Polypro 1 30 9.802-261.0 Hose, 3/4" Push-On 10 ft. 31 8.706-899.0 Nipple, 3/4" JIC x 3/4" Pipe <t< td=""><td>15</td><td>8.705-979.0</td><td>Nipple, 1" Close Galv</td><td>1</td></t<> | 15 | 8.705-979.0 | Nipple, 1" Close Galv | 1 |
| 1-1/2" D, SS 2 18 8.706-018.0 Nipple, 1" x 4", Galv 1 19 8.751-249.0 Tee, 1" NPT, Galv 2 20 8.706-139.0 Bushing, Redc 1 x 3/4 PL 1 21 9.803-557.0 Elbow, 3/4" SAE x 3/4" JIC, 90°, Brass 2 22 9.802-152.0 Swivel, 3/4" SAE x 3/4" JIC, 90°, Brass 2 23 8.750-743.0 Bulkhead, 1/2" Polypro 3 24 9.802-514.0 Strain Relief, Lt, Str, 1/2 NPT, .2345D 1 25 8.749-147.0 Switch, Float, NC, 5A/250 Vac 1 26 9.802-131.0 Elbow, 1/2" JIC x 1/2" MPT, 90° 2 2 27 9.802-151.0 Swivel, 1/2" Barb x 1/2" JIC, Fem/Brass 4 28 9.802-259.0 Hose, 1/2" Push-On, 63 in. 29 9.802-261.0 Hose, 3/4" Polypro 1 30 9.802-261.0 Hose, 3/4" Push-On 10 ft. 31 8.706-899.0 Nipple, 3/4" JIC x 3/4" Pipe 1 32 9.802-423.0 Cord, Service, 16-3 15 | 16 | 8.730-404.0 | | 2 |
| 19 8.751-249.0 Tee, 1" NPT, Galv 2 20 8.706-139.0 Bushing, Redc 1 x 3/4 PL 1 21 9.803-557.0 Elbow, 3/4" SAE x 3/4" JIC, 90°, Brass 2 22 9.802-152.0 Swivel, 3/4" SAE Fem, Push-On 3 23 8.750-743.0 Bulkhead, 1/2" Polypro 3 24 9.802-514.0 Strain Relief, Lt, Str, 1/2 NPT, .2345D 1 25 8.749-147.0 Switch, Float, NC, 5A/250 Vac 1 26 9.802-131.0 Elbow, 1/2" JIC x 1/2" MPT, 90° 2 2 27 9.802-151.0 Swivel, 1/2" Barb x 1/2" JIC, Fem/Brass 4 28 9.802-259.0 Hose, 1/2" Push-On, 63 in. 29 9.802-259.0 Bulkhead, 3/4" Polypro 1 30 9.802-261.0 Hose, 3/4" Push-On 10 ft. 31 8.706-899.0 Nipple, 3/4" JIC x 3/4" Pipe 1 32 9.802-423.0 Cord, Service, 16-3 15 ft. 33 9.802-448.0 Conduit, Water Tight, Flex 8 ft. 34 9.803 | 17 | 9.803-629.0 | | 2 |
| 20 8.706-139.0 Bushing, Redc 1 x 3/4 PL 1 21 9.803-557.0 Elbow, 3/4" SAE x 3/4" JIC, 90°, Brass 2 22 9.802-152.0 Swivel, 3/4" SAE Fem, Push-On 3 23 8.750-743.0 Bulkhead, 1/2" Polypro 3 24 9.802-514.0 Strain Relief, Lt, Str, 1/2 NPT, .2345D 1 25 8.749-147.0 Switch, Float, NC, 5A/250 Vac 1 26 9.802-131.0 Elbow, 1/2" JIC x 1/2" MPT, 90° 2 2 27 9.802-151.0 Swivel, 1/2" Barb x 1/2" JIC, Fem/Brass 4 28 9.802-259.0 Hose, 1/2" Push-On, 63 in. 29 9.802-052.0 Bulkhead, 3/4" Polypro 1 30 9.802-261.0 Hose, 3/4" Push-On 10 ft. 31 8.706-899.0 Nipple, 3/4" JIC x 3/4" Pipe 1 32 9.802-423.0 Cord, Service, 16-3 15 ft. 33 9.802-448.0 Conduit, Water Tight, Flex 8 ft. 34 9.803-538.0 Wire, MTW, 12 Ga, Red 13 ft. <td>18</td> <td>8.706-018.0</td> <td>Nipple, 1" x 4", Galv</td> <td>1</td> | 18 | 8.706-018.0 | Nipple, 1" x 4", Galv | 1 |
| 21 9.803-557.0 Elbow, 3/4" SAE x 3/4" JIC, 90°, Brass 22 9.802-152.0 Swivel, 3/4" SAE Fem, Push-On 3 23 8.750-743.0 Bulkhead, 1/2" Polypro 3 24 9.802-514.0 Strain Relief, Lt, Str, 1/2 NPT, .2345D 1 25 8.749-147.0 Switch, Float, NC, 5A/250 Vac 1 26 9.802-131.0 Elbow, 1/2" JIC x 1/2" MPT, 90° 2 2 27 9.802-151.0 Swivel, 1/2" Barb x 1/2" JIC, Fem/Brass 4 28 9.802-259.0 Hose, 1/2" Push-On, 63 in. 29 9.802-261.0 Hose, 3/4" Push-On 10 ft. 31 8.706-899.0 Nipple, 3/4" JIC x 3/4" Pipe 1 32 9.802-448.0 Conduit, Water Tight, Flex 8 ft. 34 9.803-538.0 Wire, MTW, 12 Ga, Red 13 ft. | 19 | 8.751-249.0 | Tee, 1" NPT, Galv | 2 |
| Brass 2 22 9.802-152.0 Swivel, 3/4" SAE Fem, Push-On 3 23 8.750-743.0 Bulkhead, 1/2" Polypro 3 24 9.802-514.0 Strain Relief, Lt, Str, 1/2 NPT, .2345D 1 25 8.749-147.0 Switch, Float, NC, 5A/250 Vac 1 26 9.802-131.0 Elbow, 1/2" JIC x 1/2" MPT, 90° 2 27 27 9.802-151.0 Swivel, 1/2" Barb x 1/2" JIC, Fem/Brass 4 28 9.802-259.0 Hose, 1/2" Push-On, 63 in. 29 9.802-052.0 Bulkhead, 3/4" Polypro 1 30 9.802-261.0 Hose, 3/4" Push-On 10 ft. 31 8.706-899.0 Nipple, 3/4" JIC x 3/4" Pipe 1 32 9.802-423.0 Cord, Service, 16-3 15 ft. 33 9.802-448.0 Conduit, Water Tight, Flex 8 ft. 34 9.803-538.0 Wire, MTW, 12 Ga, Red 13 ft. | 20 | 8.706-139.0 | Bushing, Redc 1 x 3/4 PL | 1 |
| Push-On 3 23 8.750-743.0 Bulkhead, 1/2" Polypro 3 24 9.802-514.0 Strain Relief, Lt, Str, 1/2 NPT, .2345D 1 25 8.749-147.0 Switch, Float, NC, 5A/250 Vac 1 26 9.802-131.0 Elbow, 1/2" JIC x 1/2" MPT, 90° 2 2 27 9.802-151.0 Swivel, 1/2" Barb x 1/2" JIC, Fem/Brass 4 28 9.802-259.0 Hose, 1/2" Push-On, 63 in. 29 9.802-052.0 Bulkhead, 3/4" Polypro 1 30 9.802-261.0 Hose, 3/4" Push-On 10 ft. 31 8.706-899.0 Nipple, 3/4" JIC x 3/4" Pipe 1 32 9.802-448.0 Conduit, Water Tight, Flex 8 ft. 34 9.803-538.0 Wire, MTW, 12 Ga, Red 13 ft. | 21 | 9.803-557.0 | | |
| 24 9.802-514.0 Strain Relief, Lt, Str, 1/2 NPT, .2345D 1 25 8.749-147.0 Switch, Float, NC, 5A/250 Vac 1 26 9.802-131.0 Elbow, 1/2" JIC x 1/2" MPT, 90° 2 2 27 9.802-151.0 Swivel, 1/2" Barb x 1/2" JIC, Fem/Brass 4 28 9.802-259.0 Hose, 1/2" Push-On, 63 in. 29 9.802-052.0 Bulkhead, 3/4" Polypro 1 30 9.802-261.0 Hose, 3/4" Push-On 10 ft. 31 8.706-899.0 Nipple, 3/4" JIC x 3/4" Pipe 1 32 9.802-448.0 Conduit, Water Tight, Flex 8 ft. 34 9.803-538.0 Wire, MTW, 12 Ga, Red 13 ft. | 22 | 9.802-152.0 | | 3 |
| .2345D 1 25 8.749-147.0 Switch, Float, NC, 5A/250 Vac 1 26 9.802-131.0 Elbow, 1/2" JIC x 1/2" MPT, 90° 2 27 9.802-151.0 Swivel, 1/2" Barb x 1/2" JIC, Fem/Brass 4 28 9.802-259.0 Hose, 1/2" Push-On, 63 in. 29 9.802-052.0 Bulkhead, 3/4" Polypro 1 30 9.802-261.0 Hose, 3/4" Push-On 10 ft. 31 8.706-899.0 Nipple, 3/4" JIC x 3/4" Pipe 1 32 9.802-443.0 Conduit, Water Tight, Flex 8 ft. 34 9.803-538.0 Wire, MTW, 12 Ga, Red 13 ft. | 23 | 8.750-743.0 | Bulkhead, 1/2" Polypro | 3 |
| 26 9.802-131.0 Elbow, 1/2" JIC x 1/2" MPT, 90° 2 27 9.802-151.0 Swivel, 1/2" Barb x 1/2" JIC, Fem/Brass 4 28 9.802-259.0 Hose, 1/2" Push-On, 63 in. 29 9.802-052.0 Bulkhead, 3/4" Polypro 1 30 9.802-261.0 Hose, 3/4" Push-On 10 ft. 31 8.706-899.0 Nipple, 3/4" JIC x 3/4" Pipe 1 32 9.802-448.0 Conduit, Water Tight, Flex 8 ft. 34 9.803-538.0 Wire, MTW, 12 Ga, Red 13 ft. | 24 | 9.802-514.0 | | 1 |
| 27 9.802-151.0 Swivel, 1/2" Barb x 1/2" JIC, Fem/Brass 4 28 9.802-259.0 Hose, 1/2" Push-On, 63 in. 29 9.802-052.0 Bulkhead, 3/4" Polypro 1 30 9.802-261.0 Hose, 3/4" Push-On 10 ft. 31 8.706-899.0 Nipple, 3/4" JIC x 3/4" Pipe 1 32 9.802-423.0 Cord, Service, 16-3 15 ft. 33 9.802-448.0 Conduit, Water Tight, Flex 8 ft. 34 9.803-538.0 Wire, MTW, 12 Ga, Red 13 ft. | 25 | 8.749-147.0 | Switch, Float, NC, 5A/250 Vac | 1 |
| Fem/Brass4289.802-259.0Hose, 1/2" Push-On,63 in.299.802-052.0Bulkhead, 3/4" Polypro1309.802-261.0Hose, 3/4" Push-On10 ft.318.706-899.0Nipple, 3/4" JIC x 3/4" Pipe1329.802-423.0Cord, Service, 16-315 ft.339.802-448.0Conduit, Water Tight, Flex8 ft.349.803-538.0Wire, MTW, 12 Ga, Red13 ft. | 26 | 9.802-131.0 | Elbow, 1/2" JIC x 1/2" MPT, 90 | ° 2 |
| 299.802-052.0Bulkhead, 3/4" Polypro1309.802-261.0Hose, 3/4" Push-On10 ft.318.706-899.0Nipple, 3/4" JIC x 3/4" Pipe1329.802-423.0Cord, Service, 16-315 ft.339.802-448.0Conduit, Water Tight, Flex8 ft.349.803-538.0Wire, MTW, 12 Ga, Red13 ft. | 27 | 9.802-151.0 | | 4 |
| 30 9.802-261.0 Hose, 3/4" Push-On 10 ft. 31 8.706-899.0 Nipple, 3/4" JIC x 3/4" Pipe 1 32 9.802-423.0 Cord, Service, 16-3 15 ft. 33 9.802-448.0 Conduit, Water Tight, Flex 8 ft. 34 9.803-538.0 Wire, MTW, 12 Ga, Red 13 ft. | 28 | 9.802-259.0 | Hose, 1/2" Push-On, | 63 in. |
| 31 8.706-899.0 Nipple, 3/4" JIC x 3/4" Pipe 1 32 9.802-423.0 Cord, Service, 16-3 15 ft. 33 9.802-448.0 Conduit, Water Tight, Flex 8 ft. 34 9.803-538.0 Wire, MTW, 12 Ga, Red 13 ft. | 29 | 9.802-052.0 | Bulkhead, 3/4" Polypro | 1 |
| 32 9.802-423.0 Cord, Service, 16-3 15 ft. 33 9.802-448.0 Conduit, Water Tight, Flex 8 ft. 34 9.803-538.0 Wire, MTW, 12 Ga, Red 13 ft. | 30 | 9.802-261.0 | Hose, 3/4" Push-On | 10 ft. |
| 33 9.802-448.0 Conduit, Water Tight, Flex 8 ft. 34 9.803-538.0 Wire, MTW, 12 Ga, Red 13 ft. | 31 | 8.706-899.0 | Nipple, 3/4" JIC x 3/4" Pipe | 1 |
| 34 9.803-538.0 Wire, MTW, 12 Ga, Red 13 ft. | 32 | 9.802-423.0 | Cord, Service, 16-3 | 15 ft. |
| | 33 | 9.802-448.0 | Conduit, Water Tight, Flex | 8 ft. |
| 35 9.802-259. Hose, 1/2" Push-On 53 in. | 34 | 9.803-538.0 | Wire, MTW, 12 Ga, Red | 13 ft. |
| | 35 | 9.802-259. | Hose, 1/2" Push-On | 53 in. |

POWER PLATFORM, EXPLODED VIEW

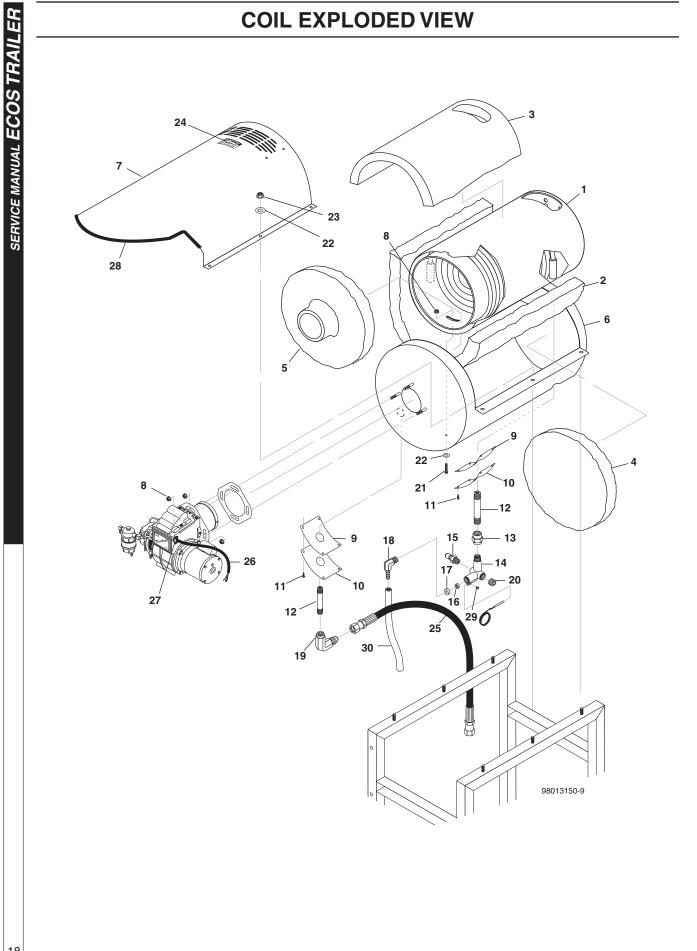


POWER PLATFORM EXPLODED VIEW PARTS LIST

| ITEM | PART NO. | DESCRIPTION | | |
|------|-------------|--|-----|--|
| 1 | 8.750-496.0 | Engine, Honda, GX660RTXA2 24HP E/S | 1 | |
| 2 | 8.751-069.0 | Generator, 4KW | 1 | |
| 3 | 8.919-259.0 | Assembly, Pump, ECOS 7000 | 1 | |
| 4 | 8.919-294.0 | Assembly, Unloader, ECOS 7001 | 1 | |
| 5 | 8.919-182.0 | WLMT, Power Platform Frame | 1 | |
| 6 | 8.919-179.0 | WLMT, 4KW Generator, Mount | : 1 | |
| 7 | 8.919-176.0 | WLMT, 4KW Generator, Side Rail | 1 | |
| 8 | 8.917-389.0 | Rail, Pump | 1 | |
| 9 | 9.802-392.0 | Pulley, 3TB34 | 1 | |
| 10 | 9.802-405.0 | Bushing, P2 x 1-1/18" | 1 | |
| 11 | 9.802-378.0 | Pulley, BK 34 H | 1 | |
| 12 | 8.715-633.0 | Bushing, H x 7/8" | 1 | |
| 13 | 8.715-593.0 | Pulley, 2BK 90 H | 1 | |
| 14 | 9.802-403.0 | Bushing, H x 25mm | 1 | |
| 15 | 8.715-697.0 | Belt, BX 36 | 1 | |
| 16 | 9.802-420.0 | Belt, BX 43 | 2 | |
| 17 | 8.919-311.0 | Manifold, 24HP Honda Exhaust, ECOS | 1 | |
| 18 | 9.802-735.0 | Bolt, 3/8" x 5-1/2", NC HH Tap | 2 | |
| 19 | 9.802-814.0 | Washer, 3/8" Split Ring Lock, Zinc | 6 | |
| 20 | 9.802-807.0 | Washer, 3/8" SAE, Flat Zinc | 25 | |
| 21 | 8.751-054.0 | Bolt, Hex, Zinc, 3/8"-16 x 12" ASTM A307A | 2 | |
| 22 | 8.725-549.0 | Bolt, 3/8" x 7-1/2" HH | 2 | |
| 23 | 9.802-728.0 | Bolt, 3/8-16 x 2", HH | 6 | |
| 24 | 9.802-779.0 | Nut, 3/8", ESNA, NC | 13 | |
| 25 | 9.802-720.0 | Bolt, 3/8" x 1", ESNA, NC | 4 | |
| 26 | 9.802-776.0 | Nut, 5/16", ESNA, NC | 4 | |
| 27 | 8.718-980.0 | Washer, 5/16" Flat, SAE | 4 | |
| 28 | 9.802-752.0 | Screw, 1/4" x 1-1/4", Whiz Loc Flange | 2 | |
| 29 | 9.802-802.0 | Washer, 1/4" x Flat SAE Zinc | 2 | |
| 30 | 9.802-773.0 | Nut, 1/4-20 ESNA NC | 2 | |
| 31 | 9.802-722.0 | Bolt, 3/8" x 1-1/4" NC HH | 2 | |
| 32 | 8.750-737.0 | Adapter, Honda M20-1.50 x 3/8" FPT | 1 | |

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|--|--------|
| 33 | 9.802-151.0 | Swivel, 1/2" Barb x JIC, | |
| | | Female Brass | 2 |
| 34 | 9.802-259.0 | Hose 1/2" Push-On FT | 2 ft. |
| 35 | 9.802-126.0 | Plug, 1/2" JIC Flare, 636F-8 | 1 |
| 36 | 9.800-006.0 | Label, Hot/Caliente w/Arrows | 2 |
| 37 | 8.900-282.0 | Label, RPM Factory Set | 1 |
| 38 | 9.802-203.0 | Clamp, 12" Ro-Clip | 2 |
| 39 | 9.802-771.0 | Screw, 10/32 x 3/4" | 2 |
| 40 | 9.802-695.0 | Nut, 10/32 Kep | 2 |
| 41 | 8.918-432.0 | Hose, 3/8" x 22", 2 Wire, Pressure Lo | 1 |
| 42 | 9.802-065.0 | Grommet, 1-5/16" Rubber, Drum Cleaner, MB2 | 1 |
| 43 | 8.719-047.0 | Washer, Nylon, .281 ID x 1 x OD .25 Thick | 4 |
| 44 | 8.932-965.0 | Label, Warning, Exsposed Pullys | 2 |
| 45 | 8.919-314.0 | Guard, Belt, Gen Top, ECOS | 1 |
| 46 | 8.919-303.0 | WImt, Belt Guard Gen, ECOS | 1 |
| 47 | 8.919-305.0 | Guard, Belt, Center, ECOS | 1 |
| 48 | 8.919-302.0 | WImt, Belt Guard Pump, ECO | S 1 |
| 49 | 9.802-754.0 | Screw, 1/4" x 1/2" NC, Whiz Loc Flange | 12 |
| 50 | 8.718-781.0 | ▲ Screw, M5 x 8 x 40mm, Philips Pan HD Zinc | 1 |
| 51 | 9.802-039.0 | Elbow, 1/2" JIC x 3/8" MPT | 1 |
| 52 | 8.917-015.0 | Label, Regulation 4442.6 | 1 |
| 53 | 9.802-959.0 | Key, 0.247 SQR x 2.125" | 1 |
| 54 | 8.751-241.0 | Bolt, SQR Head, 3/8-16 x 1" | 1 |
| 55 | 8.716-011.0 | ▲ Conduit, Flexo, 1/2 Blk | 13 ft. |
| 56 | 9.803-836.0 | ▲ Wire, THWN, 6 Ga. Red | 6 ft. |
| 57 | 9.803-837.0 | ▲ Wire, THWN, 6 Ga. Black | 6 ft. |
| 58 | 9.803-838.0 | ▲ Connector, Battery Post | 2 |
| 59 | 8.716-370.0 | ▲ Terminal, Ring Tongue | 3 |
| 60 | 8.716-371.0 | ▲ Terminal, Ring Tongue | 1 |
| 61 | 9.803-838.0 | ▲ Battery Post | 2 |
| | | ▲ Not Shown | |

17



COIL EXPLODED VIEW PARTS LIST

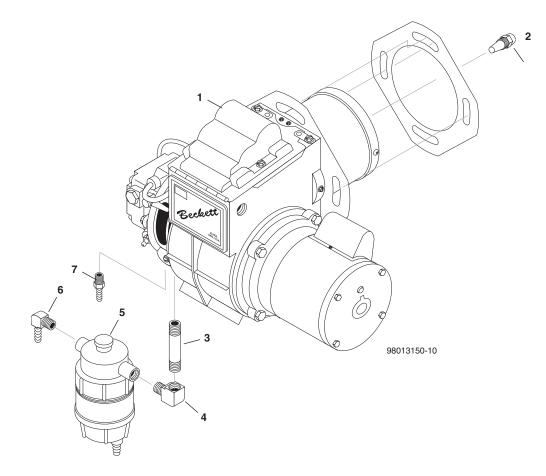
| ТЕМ | PART NO. | DESCRIPTION | QTY | ITEM | PART NO. | DESCRIPTION | (|
|-----|-------------|--|-----|------|-------------|--|----|
| 1 | 8.912-239.0 | Coil, Landa, Dura, SCH 80 w/Aluminized Steel Wrap | 1 | 15 | 9.802-171.0 | Nipple, 1/2" JIC x 3/8" NPT, Steel | |
| 2 | 9.802-896.0 | Insu/Blanket-No Foil, 28" x 57' | ' 1 | 16 | 8.725-944.0 | Rupture Disk, 8000 PSI, Red | I |
| 3 | 9.802-902.0 | Insul/Blanket, Die Cut | | 17 | 9.184-030.0 | Spacer, Rupure Disk | |
| | | 28" x 24" x 1" Thick | 1 | 18 | 9.707-023.0 | Elbow, 3/8" MPT x 3/8" | |
| 4 | 9.802-883.0 | Insul, Front Head, No Hole | 1 | | | Push-On, 90° | |
| 5 | 9.802-894.0 | Insul, Burner Head, w/Hole | 1 | 19 | 9.802-043.0 | Elbow, 1/2 JIC x 1/2" Fem 90 | 0 |
| 6 | 8.916-486.0 | Bottom Wrap, Wlmt, | | 20 | 8.706-248.0 | Plug, 3/8" Allen Countersunk | |
| | | Wrinkle Black | 1 | 21 | 9.802-727.0 | Bolt, 3/8" x 1-3/4", Tap | |
| 7 | 8.912-192.0 | Wrap, Top, Stainless Steel | 1 | 22 | 9.802-807.0 | Washer, 3/8", SAE, Flat Zinc | |
| 8 | 9.802-781.0 | Nut, 3/8" NC, Whiz Loc Flange | 9 5 | 23 | 9.802-779.0 | Nut, 3/8", ESNA, NC | |
| 9 | 8.933-009.0 | Gasket, Burner Plate | 2 | 24 | 9.800-006.0 | Lable, Hot/Caliente w/Arrows | |
| 10 | 9.803-132.0 | Retainer Plate, Insul, PHW/VNG | 2 | 25 | 8.918-423.0 | Hose, 3/8" x 22", 2 Wire, Pressure Low | |
| 11 | 9.802-798.0 | Screw, #10 x 1/2" Hex Head Tek | 8 | 26 | 9.802-448.0 | Conduit, Water Tight, Flex, 1/2" 100'/Box | |
| 12 | 9.802-015.0 | Nipple, 1/2" x 4" Zinc SCH 80 MPT | 2 | 27 | 8.716-547.0 | Connector, 1/2" L/T, Straight, Black | |
| 13 | 8.706-141.0 | Coupling, 1/2" Steel Pipe | 1 | 28 | 9.802-071.0 | Trim, 750 B2 x 1/16" Black | 2. |
| 14 | 9.149-003.0 | Manifold Coil Outlet Discharge | 9 1 | 29 | 9.196-012.0 | Screw, 10-24 x 1/4" Hex Set | |
| | | | | 30 | 8.711-785.0 | Hose, 3/8" Push-on | 2 |

QTY

2.75 ft

2.5 ft.

BURNER EXPLODED VIEW



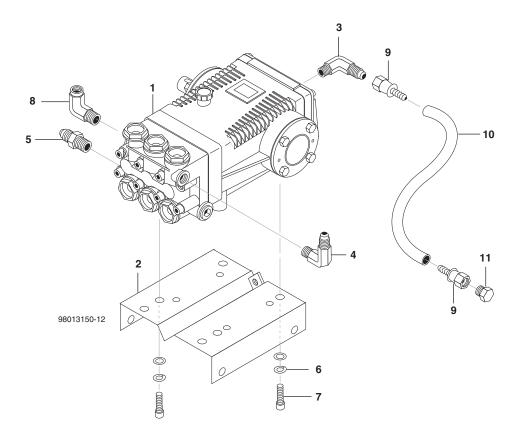
BURNER EXPLODED VIEW PARTS LIST

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|--|-----|
| 1 | 9.802-556.0 | Burner, Beckett SM, 115V Cap MTR, 115VSOL | 1 |
| 2 | 9.802-577.0 | Fuel Nozzle, 2.50 x 90 B | 1 |
| 3 | 9.803-264.0 | Nipple, 1/4" x 3" Black Pipe | 1 |
| 4 | 8.706-161.0 | Elbow, 1/4" Street 90° Galv | 7 |

| I1 | ГЕМ | PART NO. | DESCRIPTION | QTY |
|----|-----|-------------|--------------------------------|-----|
| | 5 | 8.709-158.0 | Filter, Landa, Fuel | |
| | | | Oil/H ₂ 0 Separator | 1 |
| | 6 | 8.706-958.0 | Hose Barb, 1/4" MPT, 90° | 1 |
| _ | 7 | 8.706.941.0 | Hose Barb, 1/4" MPT, Brass | 1 |

SERVICE MANUAL ECOS TRAILER

PUMP ASSEMBLY EXPLODED VIEW



PUMP ASSEMBLY EXPLODED VIEW PARTS LIST

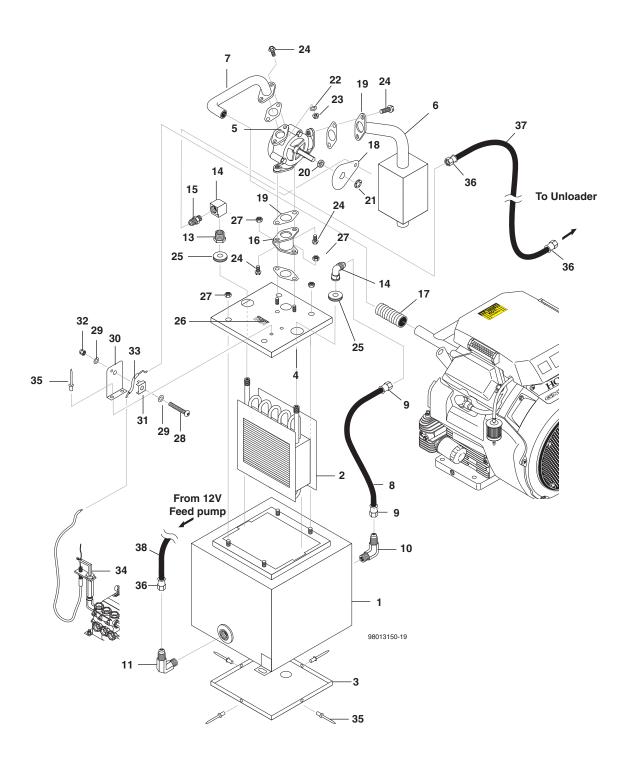
| ITEM | PART NO. | DESCRIPTION | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|--|-----|------|-------------|--------------------------------|---------|
| 1 | 8.904-883.0 | Pump, Landa LT6035L.1, | 4 | 7 | 9.802-744.0 | Bolt, 10mm x 20mm HH Zinc | 4 |
| | | 6@3500,1540 RPM | 1 | 8 | 8.706-207.0 | Elbow, 3/8", Street 90°, Steel | 1 |
| 2 | 8.917-387.0 | Mount, Pump Rail WImt | 1 | 9 | 8.802-151.0 | Swivel, 1/2" Barb x 1/2" JIC, | |
| 3 | 9.802-129.0 | Elbow, 1/2" JIC x 3/8", 90° | 1 | 9 | 0.002-151.0 | Fem, Brass | 1 |
| 4 | 9.802-039.0 | Elbow, 1/2" JIC x 3/8" MPT | 1 | 10 | 9.802-259.0 | Hose, 1/2" Push-On, /FT | 1.5 ft. |
| 5 | 8.706-902.0 | Nipple, 3/4" JIC x 1/2" Pipe | 1 | 11 | 9.802-126.0 | Plug, 1/2" JIC Flare, 639F-8 | 1 |
| 6 | 8.718-961.0 | Washer, M10 Split Ring LCK8.8CLSS Zinc Pltd | 4 | 12 | 9.802-807.0 | Washer, 3/8" Flat | 4 |
| - | | | | | | | |

ECOS TRAILER SERVICE MANUAL

HEAT EXCHANGER EXPLODED VIEW

SERVICE MANUAL ECOS TRAILER

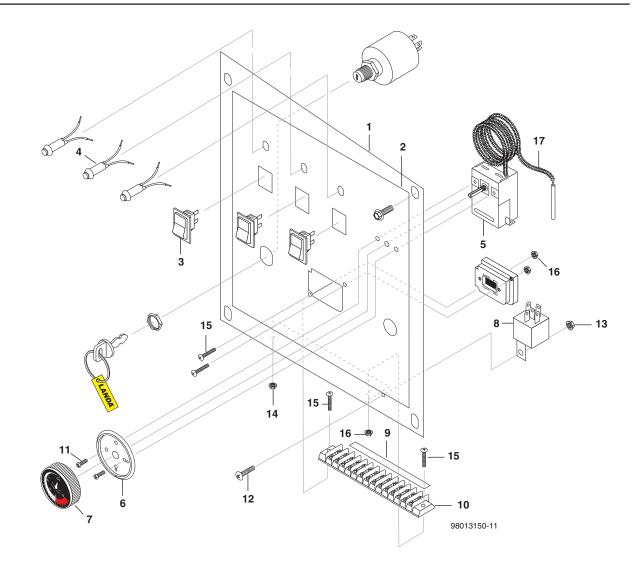
22



HEAT EXCHANGER EXPLODED VIEW PARTS LIST

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|---|---------|
| 1 | 8.919-457.0 | Wlmet, Heat Exchanger | 1 |
| 2 | 8.618-082.0 | Exchnger, Core, Pin, SS 7.5 x 6.25 | 1 |
| 3 | 8.919-220.0 | Cap, Bottom, Heat Exchanger | 1 |
| 4 | 8.919-505.0 | Cap, Top Wlmet, Heat Exch | 1 |
| 5 | 8.617-420.0 | Assy, Exh Dvrtr VIv, Lgnd | 1 |
| 6 | 8.919-719.0 | Wilmet, Heat Exch Silencer | 1 |
| 7 | 8.751-346.0 | Pipe, Connector, Diverter Valve W/Flange | e 1 |
| 8 | 9.802-259.0 | Hose, 1/2" Push-On, /Ft | 14 in. |
| 9 | 9.802-151.0 | Swivel, 1/2" Barb x 1/2"JIC, Fem/Brass | 2 |
| 10 | 9.802-040.0 | Elbow, 1/2 JIC, 1/2, 90° | 1 |
| 11 | 9.802-132.0 | Elbow, 3/4" JIC x 1/2" MPT, 90 | ° 1 |
| 12 | 8.706-904.0 | Elbow, 1/2" JIC x 3/8" Fem, 90 | ° 1 |
| 13 | 8.706-917.0 | Bushing, 1/2" x 3/8" Brass | 1 |
| 14 | 8.706-820.0 | Elbow, 1/2" Female, Brass | 1 |
| 15 | 8.706-902.0 | Nipple, 3/4"JIC x 1/2" Pipe | 1 |
| 16 | 8.919-453.0 | Spacer, Diverter, Heat Exch | 1 |
| 17 | 8.750-691.0 | • | .33 ft. |
| 18 | 8.919-455.0 | Wheel, Diverter Cam | 1 |
| 19 | 8.750-575.0 | Exhaust Flange, Gasket | 4 |
| 20 | 8.751-126.0 | Collar, Steel Zinc, 3/8"ID x 3/4"OD x 3/8" W | 1 |
| 21 | 8.751-125.0 | Retainer, Push-On 3/8" Stud, Zinc | 1 |
| 22 | 9.802-813.0 | Washer, 5/16" Split Ring Lock, Zinc | 2 |
| 23 | 9.802-786.0 | Nut, 5/16 ", Hex, NC" | 2 |
| 24 | 9.803-551.0 | Screw, 5/16" x 3/4" Whiz Loc Flange | 6 |
| 25 | 8.750-612.0 | Grommet 1-1/4" x 1/2" | 2 |
| 26 | 9.800-006.0 | Label, Hot/Caliente W/Arrows | 1 |
| 27 | 9.802-778.0 | Nut, 5/16" Whiz Loc Flange | 6 |
| 28 | 8.718-812.0 | Screw, 10/32 x 3/4 BH Soc, SS | S 1 |
| 29 | 8.718-959.0 | Washer, #10 Flat S/S | 2 |
| 30 | 8.919-454.0 | Bracket, Holder, Cable Clamp | 1 |
| 31 | 8.750-616.0 | Cable Holder (Honda Code 16576-891-000) | 1 |
| 32 | 8.718-860.0 | Nut, 10/32", ESNA, SS | 1 |
| 33 | 9.804-072.0 | Conduit, Wire Cover, 1000'/ BX(847750) | 3.5 ft. |
| 34 | 8.751-052.0 | Controller Throttle, Model 8100 |) 1 |
| 35 | 8.719-053.0 | Rivet, 1/4 x 3/8 Grip, Blind SS P#585566M | 6 |
| 36 | 9.802-152.0 | Swivel, 3/4" Fem, Push-On | 3 |
| 37 | 9.802-261.0 | Hose, 3/4" Push-On | 28 in. |
| | | | |

CONTROL PANEL ASSEMBLY EXPLODED VIEW

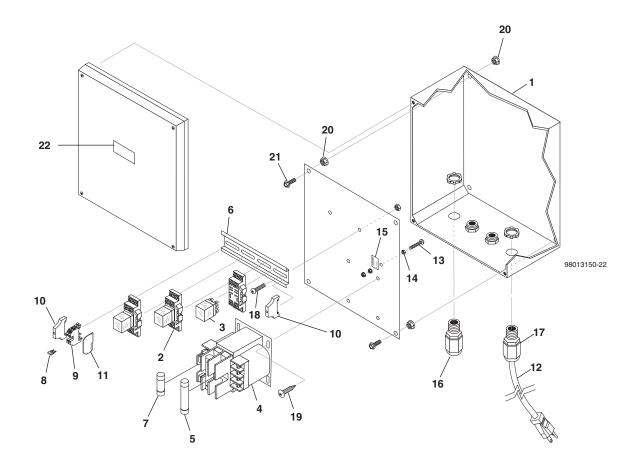


CONTROL PANEL ASSEMBLY EXPLODED VIEW PARTS LIST

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|--|-----|
| 1 | 8.919-151.0 | Electric, Control Panel | 1 |
| 2 | 9.807-356.0 | Label, Control Panel, ECOS 7000 | 1 |
| 3 | 8.716-051.0 | Switch, Curvette, RGSCC211RBBA | 3 |
| 4 | 8.750-250.0 | Light, Indicator, LED Green 28V | 3 |
| 5 | 8.750-095.0 | Thermostat, 120C/240F 2 Meter Capillary | 1 |
| 6 | 8.712-190.0 | Bezel, Plastic, Thermostat | 1 |
| 7 | 8.750-097.0 | Knob, Thermostat 120C/248F | 1 |
| | | | |

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|-------------------------------|-------|
| 7 | 8.750-097.0 | Knob, Thermostat 120C/248F | 1 |
| 8 | 9.802-470.0 | Relay, 12V | 1 |
| 9 | 8.905-701.0 | Label, Marker, Terminal Block | 1 |
| 10 | 8.716-394.0 | Terminal Block, 14 Pole | 1 |
| 11 | 8.718-779.0 | Screw, 4mm x 6mm Pan Head | 12 |
| 12 | 9.802-749.0 | Screw, 8/32 x 3/4 BH SOC | 1 |
| 13 | 9.802-785.0 | Nut, 8/32 KEPS | 1 |
| 14 | 8.718-854.0 | Nut, 6/32" KEPS SS | 4 |
| 15 | 8.718-733.0 | Screw, 6/32 x 5/8 Rnd, HB | 4 |
| 16 | 9.802-784.0 | Nut, 6/32 KEPS | 4 |
| 17 | 9.804-072.0 | Conduit, Wire Cover | 3 Ft. |

TRANSFORMER BOX ASSEMBLY EXPLODED VIEW

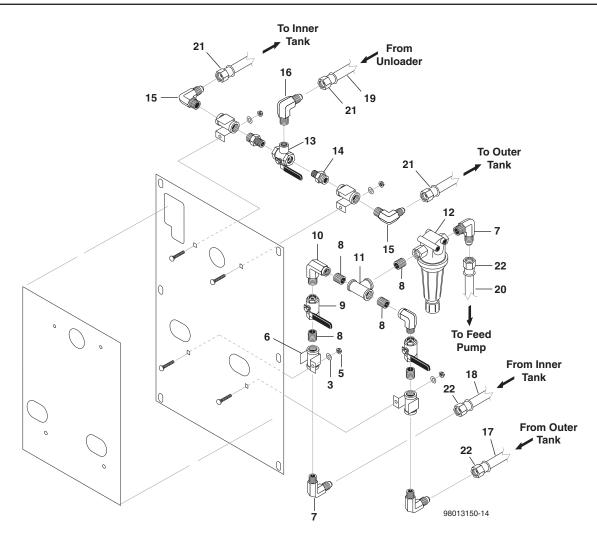


TRANSFORMER BOX EXPLODED VIEW PARTS LIST

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|---|------|
| 1 | 9.802-475.0 | Box, Plastic 8 x 8 x 4 P/N 884PJ-PVC | |
| | | P/IN 884PJ-PVC | 1 |
| 2 | 9.802-467.0 | Base, Relay, SH2B-05, IDEC | 3 |
| 3 | 8.716-230.0 | Relay, 24V, Finder | 3 |
| 4 | 9.802-553.0 | Transformer, 120/240V, | |
| | | .050KVA | 1 |
| 5 | 8.713-080.0 | Fuse, Class R 1Amp | 2 |
| 6 | 9.802-457.0 | Din Rail, 35mm | 5.5" |
| 7 | 9.802-463.0 | Fuse, Paper, Buss FNM-1/2, | |
| | | 250V Midget TD | 1 |
| 8 | 8.749-977.0 | Jumper, Bar, 2-5 GY | 1 |
| 9 | 8.749-976.0 | Terminal Block, Feed-Through | 2 |
| 10 | 9.804-595.0 | End Bracket | 2 |
| 11 | 8.749-980.0 | End Cap, Terminal Block | 1 |
| | | | |

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|---|-----|
| 12 | 8.750-648.0 | Power Cord 125, 15 Amps, Straight | 1 |
| 13 | 9.802-771.0 | Screw, 10/32" x 3/4", BH SOC CS | 1 |
| 14 | 9.802-696.0 | Nut, 10/32" NF ST Kep | 3 |
| 15 | 9.800-040.0 | Label, Ground Symbol | 1 |
| 16 | 8.716-547.0 | Connector, 1/2" L/T, Straight, Black | 2 |
| 17 | 9.802-514.0 | Strain Relief, LT, Straight, 1/2 NPT, .2345D | 2 |
| 18 | 8.718-936.0 | Screw, #8 x 1/2" Phillips, Zink Tek | 8 |
| 19 | 9.800-016.0 | Label, Disconnect Power | 1 |
| 20 | 9.802-778.0 | Nut, 5/16" Whiz Loc | 8 |
| 21 | 8.718-772.0 | Screw, 5/16" x 1-1/2" Whiz Loc | 2 4 |
| 22 | 9.800-016.0 | Label, Disconnect Power | 1 |

VALVES EXPLODED VIEW



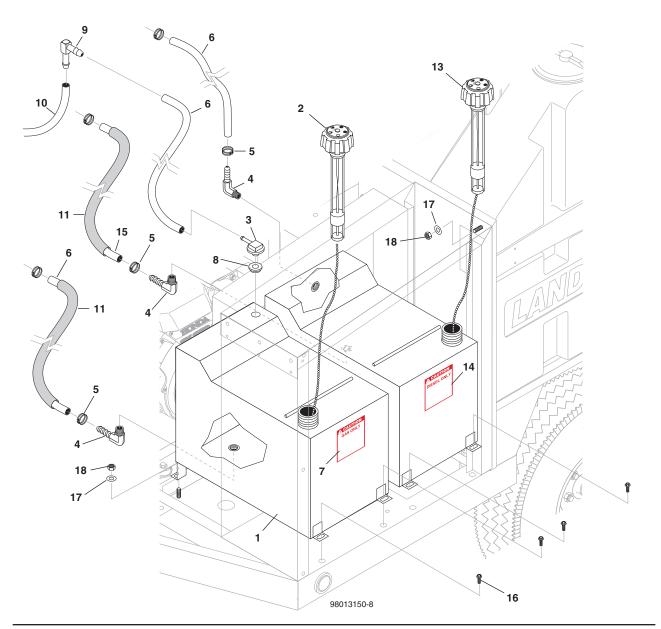
VALVES EXPLODED VIEW PARTS LIST

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|-------------------------------------|-----|
| 1 | 8.919-152.0 | Panel, Valve Control | 1 |
| 2 | 9.807-351.0 | Label, Control panel, Lower | 1 |
| 3 | 9.802-802.0 | Washer, 1/4" Flat SAE Zinc | 4 |
| 4 | 9.802-705.0 | Bolt, 1/4"-20 x 1" Carriage | 4 |
| 5 | 9.802-773.0 | Nut, 1/4"-20 ESNA | 4 |
| 6 | 8.919-188.0 | WImt, Coupler, Valve Support | 3 |
| 7 | 9.803-557.0 | Elbow, 3/4" SAE x 3/4" 90° Brass | 3 |
| 8 | 8.706-057.0 | Nipple, 3/4" Close, Galv | 5 |
| 9 | 8.707-214.0 | Valve, 3/4" 8201 Brass Ball | 2 |
| 10 | 8.706-181.0 | Elbow, 3/4" Street, Galv | 2 |
| 11 | 8.706-846.0 | Tee, 3/4" Female Pipe Brass | 1 |

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|-------------------------------|--------|
| 12 | 8.709-179.0 | Strainer, 3/4" x 20 Mesh | 1 |
| 13 | 8.707-212.0 | Valve, 1/2" Brass 3-Way Ball | 1 |
| 14 | 8.706.121.0 | Nipple, 3/4" x 1/2" Steel | 2 |
| 15 | 8.706-890.0 | Elbow, 1/2" JIC x 3/4" MPT | 2 |
| 16 | 9.802-131.0 | Elbow, 1/2" JIC x 1/2" MPT, 9 | 0° 3 |
| 17 | 9.802-261.0 | Hose, 3/4" Push-On | 25 in. |
| 18 | 9.802-261.0 | Hose, 3/4" Push-On | 15 in. |
| 19 | 9.802-259.0 | Hose, 1/2" Push-On | 9 ft. |
| 20 | 9.802-261.0 | Hose, 3/4" Push-On | 17 in. |
| 21 | 9.802-151.0 | Swivel, 1/2" Barb x 1/2" JIC | 3 |
| 22 | 9.802-152.0 | Swivel, 3/4", Push-On | 3 |

SERVICE MANUAL ECOS TRAILER

GAS AND DIESEL TANKS EXPLODED VIEW



GAS AND DIESEL EXPLODED VIEW PARTS LIST

| l | TEM | PART NO. | DESCRIPTION | QTY |
|---|-----|-------------|---|-------|
| | 1 | 8.919-492.0 | Weldment, Fuel Tank, Gas, ECOS 7000 | 1 |
| - | 2 | 8.751-057.0 | Cap, Racheting, Fuel Gauge, & Tether, Carb | 1 |
| | 3 | 8.751-059.0 | Vapor Vent Carb | 1 |
| | 4 | 8.706-958.0 | Hose Barb, 1/4" 90° | 3 |
| | 5 | 6.390-126.0 | Hose Clamp, .46-54 ST | 6 |
| | 6 | 9.802-254.0 | Hose, 1/4" Fuel Line | 2 ft. |
| | 7 | 9.800-001.0 | Label, Caution, Gas Fuel Tank | 1 |
| | 8 | 8.751-215.0 | Grommet, Vapor Vent | 1 |
| | 9 | 8.802-054.0 | Elbow, Fuel Tank, Zinc | 1 |
| | 10 | 8.711-785.0 | Hose, Push On | 3 in. |

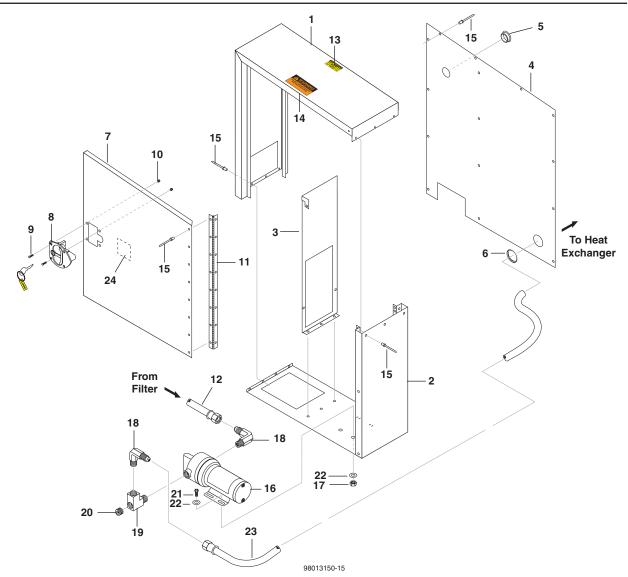
| ITE | M PART NO. | DESCRIPTION | QTY |
|-----|-------------|---------------------------------------|---------|
| 11 | 8.716-011.0 | Flexo, 1/2" Blk | 1.6 ft. |
| 12 | 8.919-491.0 | Weldment, Fuel Tank, Diesel ECOS 7000 | 1 |
| 13 | 8.751-058.0 | Cap, Racheting, Diesel Gaug & Tether | e, 1 |
| 14 | 9.800-002.0 | Label, Caution, Diesel Fuel Tank | 1 |
| 15 | 9.802-254.0 | Hose, 1/4" Fuel Line | 3 ft. |
| 16 | 9.803-551.0 | Screw, 5/16 x 3/4" Whiz Loc | 4 pcs |
| 17 | 8.718-980.0 | Washer, 5/16" | 4 |
| 18 | 9.802-776.0 | Nut, 5/16" ESNA | 4 |

ECOS TRA

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SERVICE MANUAL

CONTROL BOX EXPLODED VIEW



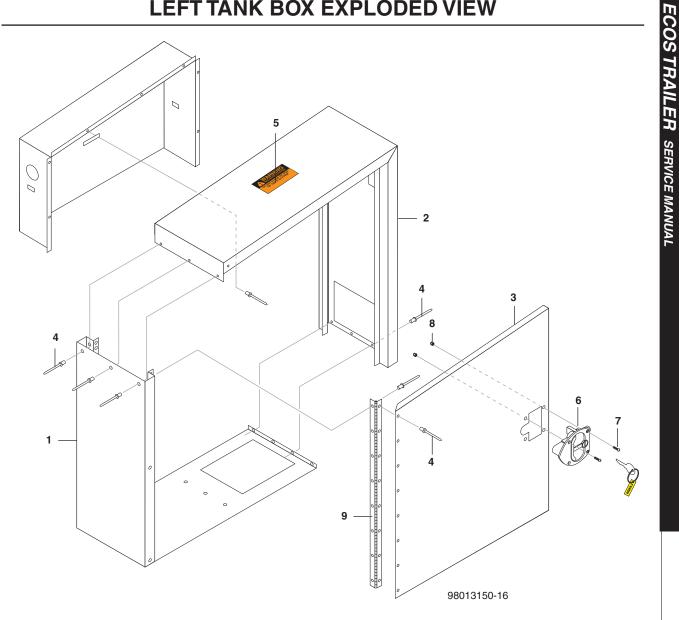
CONTROL BOX EXPLODED VIEW PARTS LIST

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|---|--------|
| 1 | 8.919-143.0 | WImt, Control Box, Rear | 1 |
| 2 | 8.919-144.0 | WImt, Control Box, Front | 1 |
| 3 | 8.919-145.0 | Wlmt, Center Panel Support Control Box | 1 |
| 4 | 8.919-148.0 | Panel, Back, Cntrl Box Cover | 1 |
| 5 | 9.802-103.0 | Bushing, Snap, 5/8" | 1 |
| 6 | 8.706-529.0 | Grommet, 1-3/4" Rubber | 1 |
| 7 | 8.919-150.0 | Door, Control Box, Pass Side | 1 |
| 8 | 8.751-128.0 | Handle, Locking, Vector, T-Hno | dl 1 |
| 9 | 8.718-813.0 | Screw, 10/32 x 1/2 BH, SOC, S | SS4 |
| 10 | 8.718-860.0 | Nut, 10/32" ESNA, SS | 4 |
| 11 | 8.919-841.0 | Hinge, 2" x 72", Piano, SS | 0.5 |
| 12 | 9.802-261.0 | Hose, 3/4" Push-On | 14 in. |
| 13 | 9.800-006.0 | Label, Hot Caliente w/Arrows | 1 |
| | | | |

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|--|--------|
| 13 | 9.800-006.0 | Label, Hot Caliente w/Arrows | 1 |
| 14 | 8.900-522.0 | Label, Warning, Do Not Stand or Step | 1 |
| 15 | 8.751-055.0 | Rivet, Aluminum, 3/16" Dia, 062125 Grip | 42 |
| 16 | 8.750-812.0 | Pump, Aquatec 12V, 4.9 GPM DDP 550 | , 1 |
| 17 | 9.802-773.0 | Nut, 1/4-20 ESNA | 4 |
| 18 | 9.802-132.0 | Elbow, 3/4" JIC x 1/2" MPT, 90 |)° 2 |
| 19 | 8.706-860.0 | Tee, 1/2" Street, Brass | 1 |
| 20 | 8.706-250.0 | Plug, 1/2" Allen Countersunk | 1 |
| 21 | 9.802-703.0 | Bolt, 1/4-20 x 1-1/2" | 4 |
| 22 | 9.804-082.0 | Washer, 1/4" Flat | 8 |
| 23 | 9.802-261.0 | Hose, 3/4" Push-On | 16 in. |
| 24 | 9.800-094.0 | Label, Operating/Warning | 1 |

SERVICE MANUAL ECOS TRAILER

LEFT TANK BOX EXPLODED VIEW

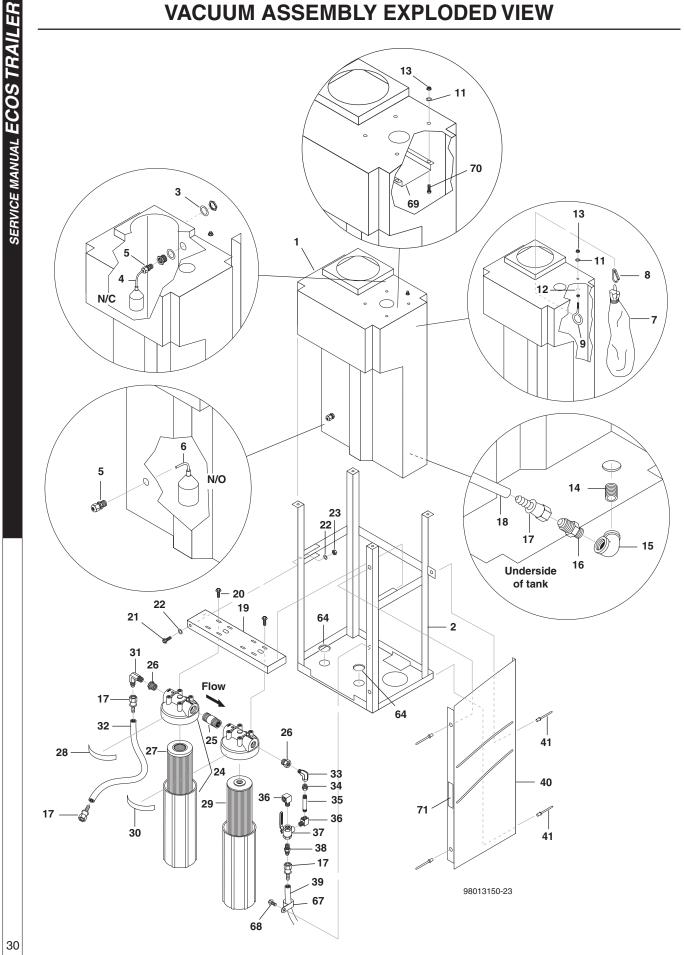


LEFT TANK BOX EXPLODED VIEW PARTS LIST

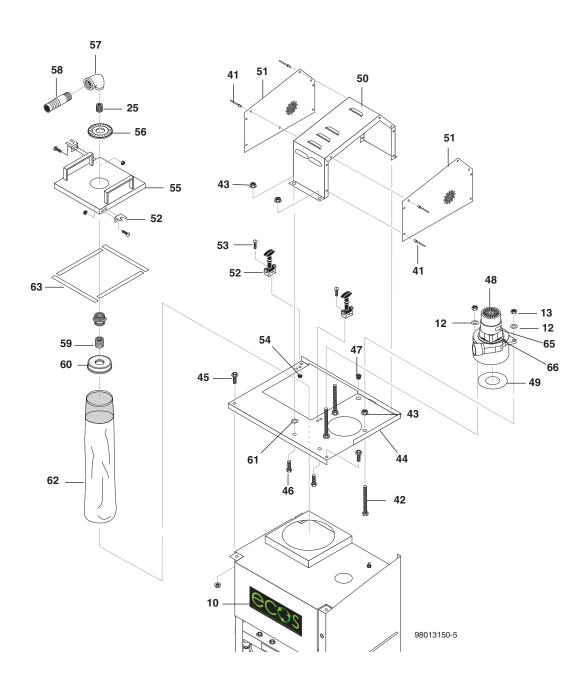
| ITEM | PART NO. | DESCRIPTION | QTY | ITEM | PART NO. | DESCRIPTION | QT |
|------|-------------|------------------------------|-----|------|-------------|-------------------------------|-----|
| 1 | 8.919-144.0 | WImt, Control Box, Front | 1 | 6 | 8.751-128.0 | Handle, Locking, Vector T-Hnd | 1 |
| 2 | 8.919-143.0 | WImt, Control Box, Rear | 1 | 7 | 8.718-813.0 | Screw, 10/32 x 1/2 | |
| 3 | 8.919-149.0 | Door, Control Box, Drvr Side | 1 | | | BH SOC, SS | 4 |
| 4 | 8.751-055.0 | Rivet, Aluminum 3/16" Dia | | 8 | 8.718-860.0 | Nut, 10/32" Esna SS | 4 |
| | | 062125 Grip | 25 | 9 | 8.719-104.0 | Hinge, 2 x 72" Piano SS | 0.5 |
| 5 | 8.900-520.0 | Label, Do Not Stand or Step | 1 | | | | |
| | | | | | | | |

QTY

VACUUM ASSEMBLY EXPLODED VIEW



VACUUM ASSEMBLY EXPLODED VIEW

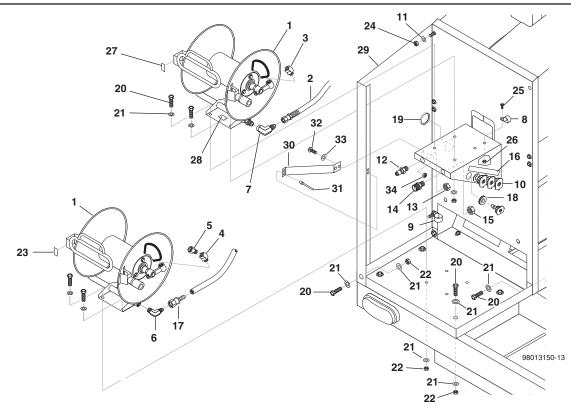


VACUUM ASSEMBLY EXPLODED VIEW PARTS LIST

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|--|--------|
| 1 | 8.750-984.0 | Tank, Vacuum 40 Gal | 1 |
| 2 | 8.919-200.0 | Wlmt, Vacuum Tank Frame | 1 |
| 3 | 8.750-743.0 | Bulkhead, 1/2" Polypro | 1 |
| 4 | 8.749-147.0 | Switch, Float, NC, 5A/250 Vac | 1 |
| 5 | 9.802-514.0 | Strain Relief, Lt, Str, 1/2 NPT | 2 |
| 6 | 8.723-196.0 | Switch, Float, N/O, w/20' Cord | 1 |
| 7 | 8.726-046.0 | Skimmer, Oil Filter 8" x 24" | 1 |
| 8 | 8.750-305.0 | Spring Hook | 1 |
| 9 | 8.718-708.0 | Eyebolt, 1/4-20 x 1", Zinc | 1 |
| 10 | 9.807-367.0 | Label, ECOS | 1 |
| 11 | 8.718-568.0 | Washer, 1/4" Flat Rubber Back, SS | 5 |
| 12 | 9.804-082.0 | Washer, 1/4" Flat, Zinc | 7 |
| 13 | 9.802-773.0 | Nut, 1/4-20 Esna NC | 8 |
| 14 | 8.705-979.0 | Nipple, 1" Close Galv | 1 |
| 15 | 8.706-191.0 | Elbow, 1" x 3/4", 90° Galv | 1 |
| 16 | 8.706-899.0 | Nipple, 3/4" JIC x 3/4" Pipe | 1 |
| 17 | 9.802-152.0 | Swivel, 3/4" SAE Fem, Push-On | 4 |
| 18 | 9.802-261.0 | Hose, 3/4" Push-On, /Ft | 19 in. |
| 19 | 8.919-203.0 | Bracket, Filter Mount | 1 |
| 20 | 9.803-551.0 | Screw, 5/16" x 3/4" Whiz Loc Flange | 8 |
| 21 | 9.802-720.0 | Bolt, 3/8" x 1" | 2 |
| 22 | 9.802-807.0 | Washer, 3/8", SAE, Flat Zinc | 4 |
| 23 | 9.802-779.0 | Nut, 3/8", Esna, NC | 2 |
| 24 | 8.726-043.0 | Filter Housing | 2 |
| 25 | 8.706-424.0 | Nipple, 1.5" Close, PVC 80 | 2 |
| 26 | 8.751-273.0 | Bushing, 1-1/2" x 3/4", Nylon | 2 |
| 27 | 8.726-044.0 | Polyester Pleated Filter, 20 Micron | 1 |
| 28 | 8.900-452.0 | Label, Cartridge Filter | 1 |
| 29 | 8.726-045.0 | Carbon Activated Filter, 5 Micr | on1 |
| 30 | 8.900-454.0 | Label, Carbasorb Filter | 1 |
| 31 | 9.803-557.0 | Elbow, 3/4" SAE x 3/4", 90°, Brass | 1 |
| 32 | 9.802-261.0 | Hose, 3/4" Push-On, /Ft | 37 in. |
| 33 | 8.706-181.0 | Elbow, 3/4" Street 90 150 WP PL | 1 |
| 34 | 8.706-295.0 | Bushing, 3/4 x 1/2 , Steel | 1 |
| 35 | 9.802-015.0 | Nipple, 1/2" x 4" Zinc SCH 80 MPT | 1 |
| 36 | 8.706-179.0 | Elbow, 1/2" Street, Galv | 2 |
| 37 | 8.707-212.0 | Valve, 1/2"" Brass, 3-Way Ball | 1 |

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|---|---------|
| 38 | 8.706-902.0 | Nipple, 3/4"JIC x 1/2" Pipe | 1 |
| 39 | 9.802-261.0 | Hose, 3/4" Push-On, /Ft | 48 in. |
| 40 | 8.919-204.0 | Cover, Vac Tank, Pass Side | 1 |
| 41 | 8.751-055.0 | Rivet, Aluminum 3/16" Dia. 062125 Grip | 18 |
| 42 | 8.751-242.0 | Bolt, Tap, 1/4" x 4-1/2" A307A, Zn Plt | 3 |
| 43 | 9.802-775.0 | Nut, 1/4" Flange, Zn | 5 |
| 44 | 8.919-209.0 | Cover, Top, Vac Tank | 1 |
| 45 | 9.802-754.0 | Screw, 1/4-20 X 1/2", Whiz Lo Flange | ос 4 |
| 46 | 8.718-607.0 | Bolt, 1/4-20 X 3/4", Carriage | 2 |
| 47 | 9.802-064.0 | Grommet, Rubber, Nozzle Holder | 1 |
| 48 | 8.625-843.0 | Vac Motor, 120V 5.7 3St TD 7 | ГВ 1 |
| 49 | 8.750-614.0 | Washer Seal Vaccum Motor | 1 |
| 50 | 8.919-310.0 | Cover, Vac Motor, | 1 |
| 51 | 8.919-216.0 | Cover, Vacuum Motor, Side | 2 |
| 52 | 8.751-127.0 | Latch, Hood Mini Rubber (35RS ZN) | 2 |
| 53 | 9.802-748.0 | Screw, 6/32" x 3/8", Rnd Hd Mch | 8 |
| 54 | 9.802-784.0 | Nut, 6-32 Keps | 8 |
| 55 | 8.919-321.0 | Wlmt, Vacuum Lid, Hose Connection | 1 |
| 56 | 8.706-490.0 | Bulkhead, 1-1/2" Polypro | 1 |
| 57 | 8.706-375.0 | Elbow, 1-1/2" Ft x Ft, PVC 80 90° | , 1 |
| 58 | 8.750-292.0 | Nipple 1.5" x 2" Barbed | 1 |
| 59 | 8.706-468.0 | Nipple 1.5" x 3" PVC 80 | 1 |
| 60 | 8.750-290.0 | Filter Bag Holder 2-1/2" | 1 |
| 61 | 8.718-976.0 | Washer, 1/4" Retainer | 2 |
| 62 | 8.726-042.0 | Filter Bag | 1 |
| 63 | 9.802-193.0 | Gasket, Neoprene, SC41-w/PSA | 3 ft. |
| 64 | 8.706-546.0 | Grommet, 1-3/4 x 2-1/8 | 2 |
| 65 | 9.800-040.0 | Label, Ground Symbol | 1 |
| 66 | 8.718-941.0 | Screw, 10-16 x 5/8 Tek | 1 |
| 67 | 9.802-206.0 | Clamp, Tube, 1.312 Dia | 1 |
| 68 | 9.802-799.0 | Screw, #14 x 1" Tek | 1 |
| 69 | 8.919-831.0 | Cover, Vacuum Deflector | 1 |
| 70 | 8.718-814.0 | Screw, 10/32 x 1-1/4", SS | 4 |
| 71 | 9.807-360.0 | Label, Filtered Water Valve | 1 |

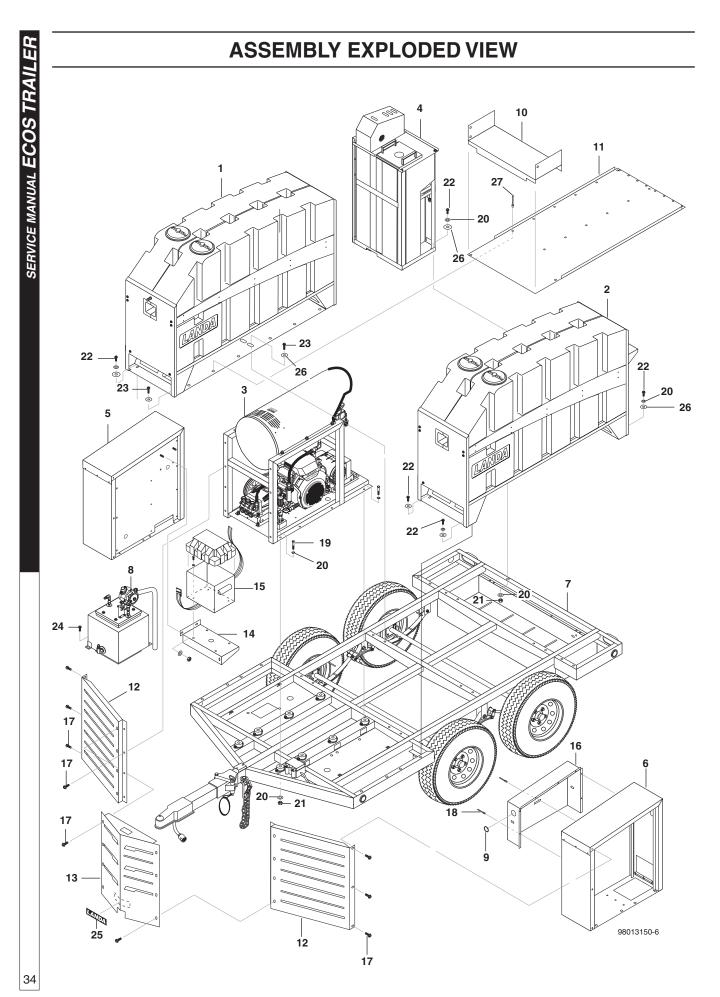
HOSE REEL EXPLODED VIEW



HOSE REEL EXPLODED VIEW PARTS LIST

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|----------------------------|--|-----|
| 1 | 9.122-002.0 | Hose Reel, 100 Ft , Fixed Base | 2 |
| 2 | 8.918-207.0 | Hose, 3/8" x 150" 2 Wire, Swivel x SWI | 2 |
| 3 | 9.802-041.0 | Elbow, 3/8" Street 45° Steel | 1 |
| 4 | 8.706-834.0 | Elbow, 3/8" Street 45° | 1 |
| 5 | 9.802-147.0 | Swivel, 3/8" x MP 3/4" GHF w/ Strainer | 1 |
| 6 | 9.802-132.0 | Elbow, 3/4 JIC x 1/2 MPT | 1 |
| 7 | 8.706-207.0 | Elbow, 3/8" Street | 1 |
| 8 | 9.802-204.0 | Clamp, 3/4" | 1 |
| 9 | 9.802-206.0 | Clamp, 1.312" | 1 |
| 10 | 8.712-353.0 8.712-354.0 | Nozzle, SAQCMEG 0005, Rec Nozzle, SAQCMEG 1505, Yellow | 1 1 |
| | 8.712-355.0 8.712-356.0 | Nozzle, SAQCMEG 2502, Green Nozzle, SAQCMEG 4005, | 1 |
| | | White | 1 |
| 11 | 9.804-082.0 | Washer, 1/4" Flat, Zinc | 2 |
| 12 | 9.802-171.0 | Coupler, 3/8" Plug, Male, Steel/Zinc | 1 |
| 13 | 8.706-834.0 | Locknut, 3/8", Nylon | 1 |
| 14 | 8.706-968.0 | Nipple, 1/2" MPT x 3/4" GHM | 1 |

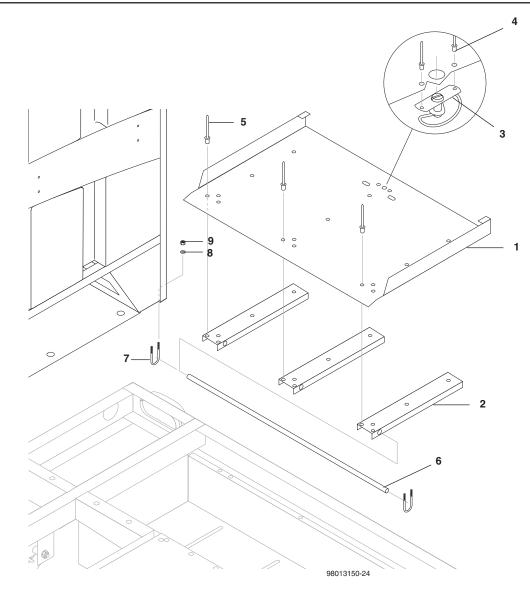
| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|-----------------------------------|------|
| 15 | 8.706-938.0 | Nut, 1/2" Brass, Lock | 1 |
| 16 | 8.900-266.0 | Label, Nozzle, 0, 15, 4 | 1 |
| 17 | 9.802-152.0 | Swivel, 3/4" SAE FEM, Push-On | 2 |
| 18 | 9.802-064.0 | Grommet, Rubber, Nozzle Holder | 4 |
| 19 | 8.706-534.0 | Grommet, 2" Rubber | 1 |
| 20 | 9.802-720.0 | Bolt, 3/8" x 1", NC HH | 14 |
| 21 | 9.802-807.0 | Washer, 3/8", SAE, Flat Zinc | 28 |
| 22 | 9.802-779.0 | Nut, 3/8", ESNA, NC | 14 |
| 23 | 9.800-020 | Label, Cold Water, Inlet | 1 |
| 24 | 9.802-773.0 | Nut, 1/4-20 ESNA, NC | 2 |
| 25 | 8.718-812.0 | Screw, 10/32 x 3/4 BH, SOC \$ | SS 1 |
| 26 | 9.802-696.0 | Nut, 10/32 KEP | 1 |
| 27 | 9.800-021.0 | Label, Hot Water Outlet | 1 |
| 28 | 9.800-006.0 | Label, Hot | 1 |
| 29 | 8.919-315.0 | Cover, Hose Reel Side | 1 |
| 30 | 8.919-793.0 | Bracket, Hose Reel | 1 |
| 31 | 8.751-055.0 | Rivet, 3/16" Alum | 2 |
| 32 | 9.802-710.0 | Screw, 5/16" x 1" | 2 |
| 33 | 8.718-980.0 | Washer, 5/16" | 2 |
| 34 | 9.802-778.0 | Nut, 5/16" Whiz | 2 |



ASSEMBLY EXPLODED VIEW PARTS LIST

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|----------------|--|---------|
| 1 | See Right Side | e Tank Assembly | 1 |
| 2 | See Left Side | Tank Assembly | 1 |
| 3 | See Power Pla | atform Asssembly | 1 |
| 4 | See Vacuum A | Assembly | 1 |
| 5 | See Right Cor | ntrol Cabinet | 1 |
| 6 | See Left Side | Fuel Cabinet | 1 |
| 7 | See Chassis A | Assembly | 1 |
| 8 | See Heat Exc | hanger Assembly | 1 |
| 9 | 8.706-529.0 | Grommet, 1-3/4" | 1 |
| 10 | 8.919-217.0 | Cover, Hose Guard | 1 |
| 11 | 8.919-185.0 | Floor, Galley Way, Beaded | 1 |
| 12 | 8.919-146.0 | WImt, Front Panel | 2 |
| 13 | 8.919-147.0 | Panel, Front Access, Pump Cover | 1 |
| 14 | 8.919-427.0 | Bracket, Battery Mount, Trailer | 1 |
| 15 | 8.706-600.0 | Battery Box, M-100, Large | 1 |
| 16 | 8.919-493.0 | Panel, Cabinet Back, Fuel Side | 9 1 |
| 17 | 9.802-754.0 | Screw, 1/4" x 1/2" NC, Whiz Lo Flange | c 22 |
| 18 | 8.751-055.0 | Rivet, Aluminum 3/16" Dia 062125 Grip | 7 |
| 19 | 9.802-730.0 | Bolt, 3/8" x 2-1/2" NC, HH | 8 |
| 20 | 9.802-807.0 | Washer, 3/8" SAE, Flat Zinc | 34 |
| 21 | 9.802-779.0 | Nut, 3/8" ESNA NC | 11 |
| 22 | 9.802-720.0 | Bolt, 3/8" x 1" NC HH | 9 |
| 23 | 9.802-767.0 | Screw, 3/8" x 3/4" NC, Whiz Lo Flange | с 6 |
| 24 | 9.803-551.0 | Screw, 5/16" x 3/4" Whiz Loc Flange | 2 |
| 25 | 8.900-802.0 | Label, Landa Logo, 25.75" x 6" | 1 |
| 26 | 9.802-812.0 | Washer, 3/8" x 1-1/2" Fender | 12 |
| 27 | 8.751-055.0 | Rivet, Alum 3/16" Dia | 28 |

VACUUM HOSE STORAGE COVER ASSEMBLY

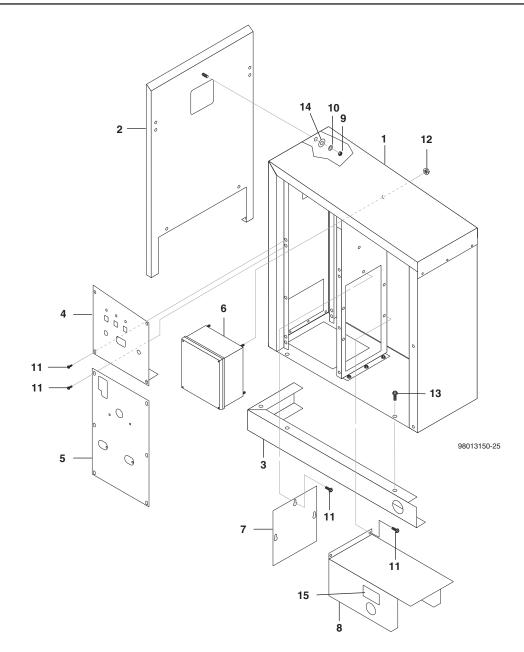


VACUUM HOSE STORAGE COVER ASSEMBLY PARTS LIST

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|---------------------------------------|-----|
| 1 | 8.919-495.0 | Lid, Vac Cover-Floor | 1 |
| 2 | 8.919-494.0 | Brace, Vac Storage, Cover | 3 |
| 3 | 8.719-081.0 | Latch, Spring Flush Head (878961) | 1 |
| 4 | 9.804-301.0 | Rivet, 1/8" x 1/4", POP, AL | 2 |
| 5 | 8.719-053.0 | Rivet, 1/4" x 3/8", Grip, Blind SS | 15 |

| I | ТЕМ | PART NO. | DESCRIPTION | QTY |
|---|-----|-------------|-----------------------------|-----|
| | 6 | 8.911-232.0 | Axle, 33", Long, Rear, SGHW | 1 |
| | 7 | 9.804-373.0 | U-Bolt, 1/2"-20, | 2 |
| | 8 | 9.804-082.0 | Washer, 1/4" Flat, Zinc | 4 |
| | 9 | 9.802-773.0 | Nut, 1/4" ESNA | 4 |

CONTROL CABINET ASSEMBLY VIEW

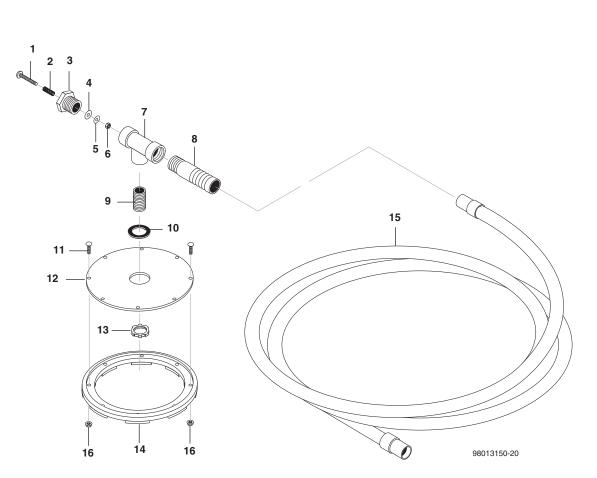


CONTROL CABINET ASSEMBLY VIEW PARTS LIST

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|---------------|----------------------------|-----|
| 1 | See Control C | Cabinet Assembly | 1 |
| 2 | See Passeng | er Side Water Tank Assemby | 1 |
| 3 | See Chassis | Assembly | 1 |
| 4 | See Control F | Panel Assembly | 1 |
| 5 | See Valve Pa | nel Assembly | 1 |
| 6 | See Transform | ner Box Assembly | 1 |
| 7 | 8.919-347.0 | Plate, Access Cover | |
| | | Control Box | 1 |
| 8 | 8.919-153.0 | Cover, Shelf, Control Box | 1 |
| 9 | 9.802-776.0 | Nut, 5/16" ESNA | 1 |
| | | | |

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|--|----------|
| 10 | 9.718-980.0 | Washer, 5/16" Flat | 1 |
| 11 | 9.802-754.0 | Screw, 1/4" x 1/2" NC, Whiz Lo Flange | ос 15 |
| 12 | 9.802-778.0 | Nut, 5/16" Whiz Loc Flange | 4 |
| 13 | 9.803-551.0 | Screw, 5/16 x 3/4, Whiz Loc, Flange | 2 |
| 14 | 8.719-000.0 | Washer, 5/16" x 1-1/4" Fender | · 1 |
| 15 | 9.807-369.0 | Label, Low Point Drain | 1 |
| | | | |

VACUUM HOSE ASSEMBLY



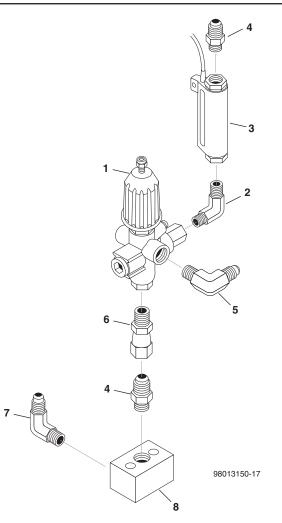
VACUUM HOSE ASSEMBLY PARTS LIST

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|--------------------------------------|-----|
| 1 | 8.718-747.0 | Screw, 1/4" x 1", Ph Phil, SS | 1 |
| 2 | 5.332-130.0 | Helical Spring | 1 |
| 3 | 8.919-840.0 | Plug, 1-1/2", PVC Sch 80 | 1 |
| 4 | 8.719-002.0 | Washer, 5/16" x 1-1/4", Fender | r 1 |
| 5 | 8.718-977.0 | Washer, 1/4" Flat, SS | 1 |
| 6 | 9.802-774.0 | Nut, 1/4"", Esna, NC, SS | 1 |
| 7 | 8.706-433.0 | Tee, 1-1/2" T x T x T, PVC Sch 80 | 1 |
| 8 | 8.750-292.0 | Nipple 1.5", Barbed | 1 |
| | | | |

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|-------------------------------------|-----|
| 9 | 8.706-424.0 | Nipple, 1.5" x Close, PVC Sch 80 | 1 |
| 10 | 8.750-619.0 | Elbow Washer 3" Seal | 1 |
| 11 | 8.718-607.0 | Bolt, 1/4-20x 3/4", Carriage | 8 |
| 12 | 8.919-577.0 | Vac Disk Head | 1 |
| 13 | 8.750-293.0 | Locknut, 1.5" Conduit | 1 |
| 14 | 8.767-008.0 | Radial Lip | 1 |
| 15 | 8.618-451.0 | Hose Vac 2" x 50' w/Cuffs | |
| | | & Hose | 1 |
| 16 | 9.802-775.0 | Nut, 1/4" Flange | 8 |

SERVICE MANUAL ECOS TRAILER

VBR8 UNLOADER EXPLODED VIEW



VBR8 UNLOADER EXPLODED VIEW PARTS LIST

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|--|-----|
| 1 | 8.750-299.0 | Unloader, AL (VRT 607), 7.8 GPM @4200 PSI | 1 |
| 2 | 8.706-168.0 | Elbow, 3/8" MPT | 1 |
| 3 | 8.933-006.0 | Switch, Flow MV60 | 1 |
| 4 | 9.802-036.0 | Nipple, 1/2" JIC x 3/8" NPT, Steel | 2 |
| 5 | 9.802-129.0 | Elbow, 1/2" JIC x 3/8" 90° | 1 |
| 6 | 9.802-048.0 | Swivel, 1/2" JIC FPT, 3/8" MPT Steel | 1 |
| 7 | 9.802-039.0 | Elbow, 1/2" JIC x 3/8" MPT | 1 |
| 8 | 9.802-870.0 | Block, Unloader, 3/8 x 3/8, 1.25, Steel | 1 |

ECOS TRAILER Troubleshooting

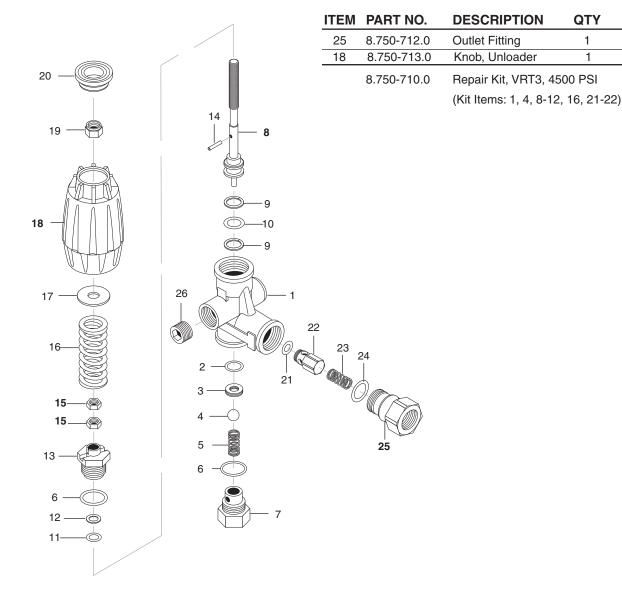
VRT3 UNLOADER EXPLODED VIEW AND PARTS LIST

QTY

1

1

8.750-299.0, 8 GPM, 4500 PSI



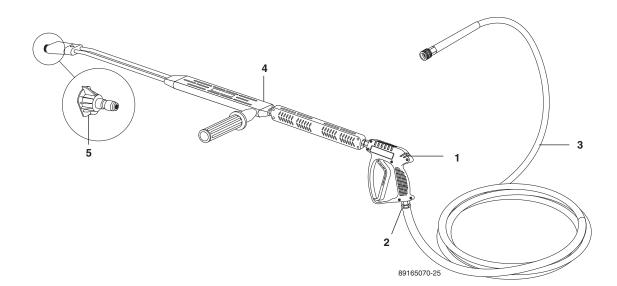
Unloader Adjustment Procedures

- Remove lock nut (Item 19). 1.
- 2. Remove adjustment knob (Item 18).
- З. Loosen the two (2) nuts (Item 15), move them upward on stem (Item 8) until you see 4 or more threads below the nut.
- Re-attach adjusting knob (Item 18). 4.
- 5. Start machine. Open the trigger of the spray gun. Increase pressure by turning adjustment knob (Item 18) clockwise until pressure is at the desired operating pressure.
- Remove the adjustment knob (Item 18), tighten the lower nut (Item 15) tightly against the upper nut (Item 15). 6. Re-attach adjustment knob (Item 18) and screw down until contact is made with the nuts (Items 15). Screw down lock nut (Item 19) onto the stem (Item 8) until the threads cut into the nylon insert of the lock nut (Item 19).

*If adjustment knob (Item 18) DOES NOT make contact with upper nut (Items 15), remove adjusting knob (Item 18), readjust (raise) nuts (Items 15) on stem (Item 8) and re-attach adjustment knob (Item 18), then repeat step #6.

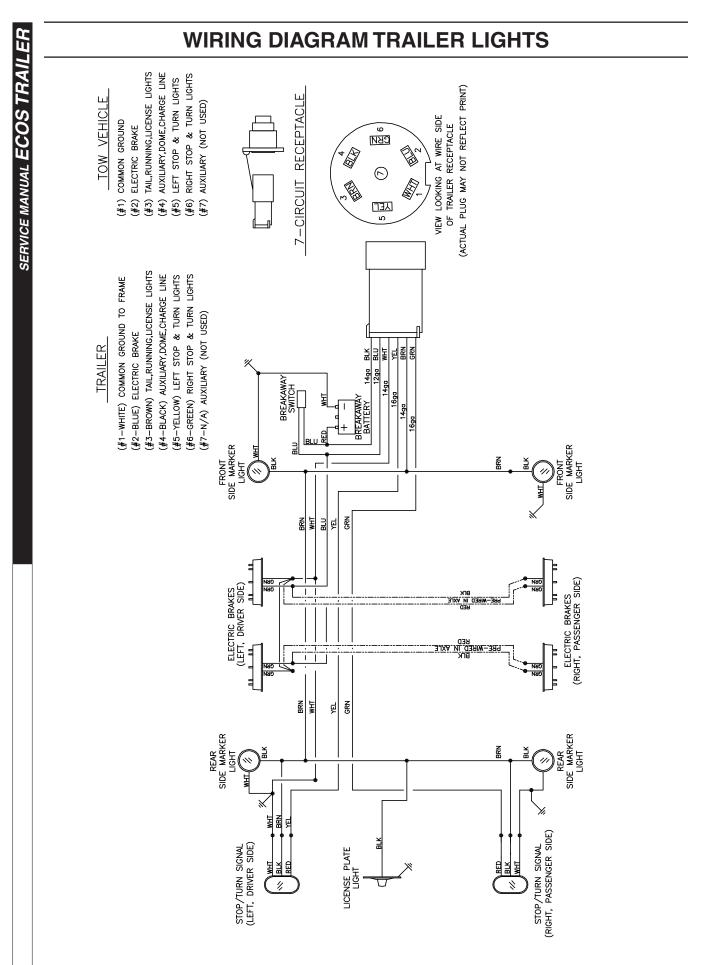
**If adjustment knob (Item 18) DOES make contact with upper nut; release the trigger of the spray gun and watch the pressure gauge for the pressure increase ("spike"). This "spike" SHOULD NOT exceed 500 psi above the operating pressure. If "spike" pressure exceeds the 500 psi limit, remove the adjusting knob (Item 18) and re-adjust (lower) the nuts (Items 15) on the stem (Item 8). Re-attach the adjusting knob (Item 18), then repeat step #6.

HOSE & SPRAY GUN EXPLODED VIEW



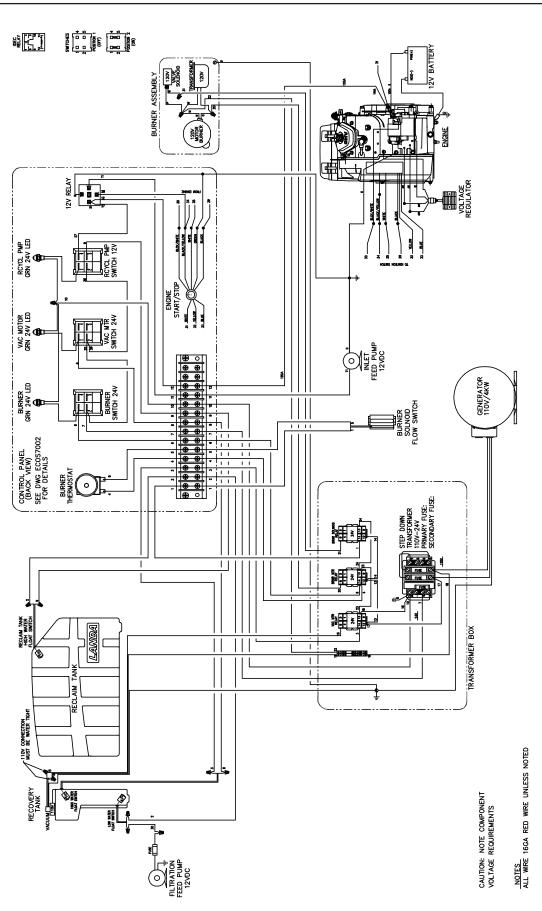
HOSE & SPRAY GUN EXPLODED VIEW PARTS LIST

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|--|-----|
| 1 | 8.749-170.0 | Gun, Shut-off, Landa, 5000 PSI, 10.5 GPM | 1 |
| 2 | 9.802-171.0 | Coupler 3/8" Plug, Male, Steel/Zinc | 1 |
| 3 | 8.917-060.0 | Hose, 3/8" x 50, 2W, TF, SOXSW, CP | 1 |
| 4 | 8.711-293.0 | Wand,VP ZNC 1/4" AL 344 w/CPLR w/Soap NZZ | 1 |
| 5 | 8.712-353.0 | Nozzle, SAQCMEG 0005, Red | 1 |
| | 8.712-354.0 | Nozzle, SAQCMEG 1505, Yellow | 1 |
| | 8.712-355.0 | Nozzle, SAQCMEG 2505, Green | 1 |
| | 8.712-356.0 | Nozzle, SAQCMEG 4005, White | 1 |



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WIRING DIAGRAM TRAILER LIGHTS

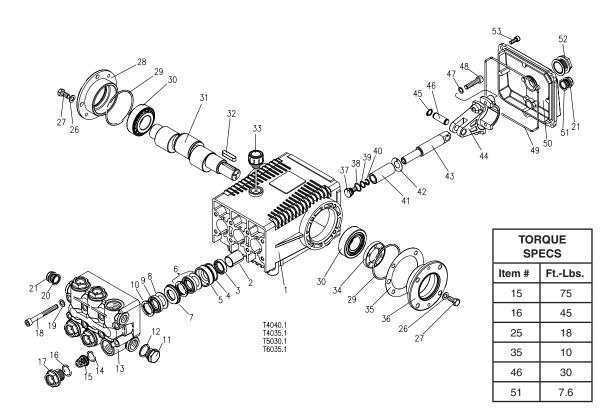


ECOS TRAILER SERVICE MANUAL

LT.1 PUMP EXPLODED VIEW AND PARTS LIST

8.904-881.0 LT6035.1 Right

SERVICE MANUAL ECOS TRAILER



| ITEM | PART NO. | DESCRIPTION | QTY |
|------|---------------|-----------------------------|-----|
| 1 | 9.803-163.0 | Crankcase | 1 |
| 2 | 9.803-195.0 | Plunger Guide | 3 |
| 3* | See Kit Below | Plunger Oil Seal | 3 |
| 4* | See Kit Below | O-Ring Ø1.78 x 31. 47 | 3 |
| 5* | See Kit Below | "Pressure Ring, Brass | 3 |
| 6* | See Kit Below | "U" Seal Low Pressure | 3 |
| 7* | See Kit Below | Intermediate Ring, Brass | 3 |
| 8* | See Kit Below | Support Ring, Teflon Bronze | 3 |
| 9 | See Kit Below | "U" Seal High Pressure | 3 |
| 10 | See Kit Below | Support Ring | 3 |
| 11 | 9.802-926.0 | Brass Plug, 1/2" | 1 |
| 12* | 9.803-199.0 | Copper Washer 1/2" | 1 |
| 13* | 9.802-933.0 | Manifold Head | 1 |
| 14* | See Kit Below | O-Ring Ø2.62 x 17.13 | 6 |
| 15 | See Kit Below | Valve Assembly | 6 |
| 16 | See Kit Below | O-Ring Ø2.62 x 20.29 | 6 |
| 17 | 9.802-928.0 | Valve Plug | 6 |
| 18 | 9.802-943.0 | Manifold Stud Bolt | 8 |

| ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|-------------------------|-----|
| 19 | 9.802-890.0 | Washer | 8 |
| 20* | 9.803-198.0 | Copper Washer 3/8" | 1 |
| 21* | 9.802-925.0 | Brass Plug 3/8" | 1 |
| 26 | 9.802-884.0 | Washer | 8 |
| 27 | 9.802-944.0 | Hexagonal Screw | 8 |
| 28 | 9.803-182.0 | Closed Bearing Housing | 1 |
| 29 | 9.803-186.0 | O-Ring Ø2.62 x 71.12 | 2 |
| 30 | 9.803-160.0 | Roller Bearing, Tapered | 2 |
| 31 | 9.803-148.0 | Crankshaft (GT4040.1, | |
| | | 5030.1, 6035.1) | 1 |
| | 9.803-149.0 | Crankshaft (GT 4035.1) | |
| 32 | 9.803-167.0 | Crankshaft Key | 1 |
| 33 | 9.802-923.0 | Oil Dip Stick | 1 |
| 34 | 9.803-139.0 | Crankshaft Seal | 1 |
| 35 | 9.803-177.0 | Shim | 2 |
| 36 | 9.803-181.0 | Bearing Housing | 1 |
| 37* | 9.803-235.0 | Plunger Bolt | 3 |
| 38* | 9.802-886.0 | Copper Spacer | 3 |

LT.1 PUMP EXPLODED VIEW PART LIST (CONT.)

| ITEM | PART NO. | DESCRIPTION | QTY |
|----------|-------------------|-----------------------|-----|
| 39* | 9.803-187.0 | O-Ring Ø1.78 x10.82 | 3 |
| 40* | 9.803-154.0 | Teflon Ring | 3 |
| 41* | See Kit Below | Plunger | 3 |
| 42* | See Kit Below | Copper Spacer | 3 |
| 43 | 9.803-143.0 | Plunger Rod | 3 |
| 44 | 9.803-157.0 | Connecting Rod | 3 |
| 45 | 9.802-912.0 | Snap Ring | 6 |
| 46 | 9.802-915.0 | Connecting Rod Pin | 3 |
| 47 | 9.802-889.0 | Spring Washer | 6 |
| 48 | 9.802-937.0 | Connecting Rod Screw | 6 |
| 49 | 9.803-194.0 | O-Ring Ø2.62 x 152.07 | 1 |
| 50 | 9.803-166.0 | Crankcase Cover | 1 |
| 51 | 9.803-197.0 | Gasket, G3/8 | 1 |
| 52 | 9.803-202.0 | Sight Glass G3/4 | 1 |
| 53 | 9.802-939.0 | Cover Screw | 5 |
| * Dort o | wailahla in kit (| See below) | |

* Part available in kit (See below)

| REPAIR KIT NUMBER | 8.916-488.0 | 8.916-322.0 | 9.802-607.0 | 9.802-603.0 | 9.802-606.0 |
|--|---|---|--|----------------------------------|-------------------------------------|
| KIT DESCRIPTION | Plunger "U" Seal 20mm LT-4040.1, LT-6035.1 LT-4035.1 | "U" Seal Pack- ing Assy 20mm LT-4040.1 LT-6035.1 LT-4035.1 | Plunger 20mm LT-4040.1 LT-6035.1 LT-4035.1 | Complete Valve (all pumps) | Plunger Oil Seals (all pumps) |
| ITEM NUMBERS INCLUDED | 4, 7, 22 | 4, 5, 6, 7, 8, 20, 21, 22, 23 | 35, 36, 37, 38, 39, 40 | 12, 13, 14 | 3 |
| NUMBER OF CYLINDERS KIT WILL SERVICE | 3 | 1 | 1 | 6 | 3 |

ECOS TRAILER Troubleshooting

TROUBLESHOOTING

| snoc | PROBLEM | POSSIBLE CAUSE | SOLUTION |
|--------------------------|-------------------------------------|--|--|
| səlanc | BURNER WILL NOT LIGHT (continued | Flex coupling slipping on fuel pump shaft or burner motor shaft | Replace if needed. |
| | from previous page) | On-Off switch defective | Check for electrical current reaching burner assembly with burner switch on. |
| ECUS IRAILER Iroublesnoo | | Heavy sooting on coil and burner can cause interruption of air flow and shorting of electrodes | Clean as required. |
| PCC? | | Improper electrode setting | Check and reset according to diagram in Operator's Manual. |
| | | Fuel not reaching combustion chamber | Check fuel pump for proper flow. Check solenoid flow switch on machines with spray gun control, for proper on-off fuel flow control. |
| | | Clogged burner nozzle | Clean as required. |
| | | Thermostat faulty or slow engine speed | Increase engine RPM to increase voltage. |
| | | Flow switch malfunction | Remove, test for continuity and replace as needed. |
| | | Flow solenoid malfunction | Replace if needed. |
| | FLUCTUATING | Valves worn | Check and replace if necessary. |
| | PRESSURE | Blockage in valve | Check and replace if necessary. |
| | | Pump sucking air | Check water supply and air seepage at joints in suction line. |
| | | Worn piston packing | Check and replace if necessary. |
| | | Gasoline Engine Altitude | The gasoline engine is preset for operation at altitudes below 1000 feet above sea level. If operated at higher altitudes, it may be necessary to install a high altitude main jet in the carburetor. Contact your local authorized engine sales and service center for details. |
| | MACHINE SMOKES | Improper fuel or water in fuel | Drain tank and replace contaminated fuel. |
| | | Improper air adjustment | Readjust air bands on burner assembly. |
| | | Low fuel pressure | Adjust fuel pump pressure to specifications. |
| | | Plugged or dirty burner nozzle | Replace nozzle. |
| | | Faulty burner nozzle spray pattern | Replace nozzle. |
| | | Heavy accumulation of soot on coils and burner assembly | Remove coils and burner assembly, clean thoroughly. |
| 46 | | Misaligned electrode setting | Realign electrodes to specifications. |

PREVENTATIVE MAINTENANCE

This trailer was produced with the best available materials and quality craftsmanship. However, you as the owner, have certain responsibilities for the correct care of the equipment. Attention to regular preventative maintenance procedures will assist in preserving the performance of your equipment.

| | MAINTENANCE SCHEDULE | |
|---------------------------------|--|--------------------------|
| Tire Air Pressure | Inflate to proper pressure indicated on sidewall | Every Trip |
| Wheel Lugs, Bolts & Nuts | Tighten to proper torque specifications | Every 3000 mi or 3 mos.* |
| Wheel | Check for damage and or out-of-round | Every 6000 mi or 6 mos. |
| Coupler Ball | Check for sufficient lube. Check lock mechanism. Check for unusual wear. | Every trip |
| Safety Chains at Hitch Ball | Check for abrasion, distortion and general integrity of links. | Every trip |
| Coupler | Check for proper fastening & hitch pin in position and secure. | Every trip |
| Brakes | Check for proper adjustment & operation | Every trip |
| Breakaway Switch | Test switch operation and connections | Every trip |
| Breakaway Battery | Pull switch pin, check charge indicator light | Every trip |
| Load Distribution | Check load distribution & security | Every trip |
| Leveling Jacks | Check fastenings. Lube. | Every trip |
| Welds | Check all weld beads for cracks or separations | Every 6000 mi. or 6 mos. |
| Hinges | Grease zerks with a Lithium complex grease | Every 3000 mi. or 3 mos. |
| Tie Down Devices | Check for fracturing, distortion and improper anchoring. | Every 3000 mi., or 3 mos |
| Electrical: Lights & Signals | Check to make sure all are working properly. Replace burned out bulbs. | Every trip |

Axles, Hubs and Brakes

Your Landa trailer is equipped with Dexter Component Axles. The Dexter Owner's Manual is included in the materials received with your trailer. Maintenance for axles, hubs and brakes is extremely important for protecting the longevity of your trailer. It is extremely important for your personal safety and the protection of others. Follow the Dexter service recommendations exactly as described.

Please, never shortcut axle, hub and brake service and maintenance.



LANDA LIMITED TRAILER WARRANTY

(Effective April 1999)

We warrant to the original purchaser that each new part and accessory sold by Landa will be free from manufacturing defects in materials or workmanship in normal service for a period of one (1) year from date of purchase, provided it is installed properly and the equipment maintained in accordance with Landa's instructions and manuals.

Our obligation under this warranty is expressly limited. As to the replacement or repair, at our option, at Landa Inc., Camas, Washington 98607, or at a service facility designated by us, for such part or parts as inspection shall disclose to have been defective.

EXCLUSIONS:

This warranty does not apply to defects caused by casualty or unreasonable use, including faulty repairs by others and failure to provide reasonable and necessary maintenance.

THE FOLLOWING ITEMS ARE NOT COVERED BY THIS WARRANTY:

Suspension axles, torflex axles, hubs, drums, brakes, bearings and seals. These are subject to the warranties, if any of their manufacturers.

WE SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND, including but not limited to labor costs or transportation charges in connection with the replacement or repair of defective parts.

ANY IMPLIED OR STATUTORY WARRANTIES, INCLUDING WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. We make no other express warranty, nor is anyone authorized to make any in our behalf.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

TO OBTAIN WARRANTY SERVICE:

Purchaser must bring the trailer to an authorized Landa Dealership. For the dealership nearest you consult our web page: www.landa-inc.com.



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