

**1996 Airstream  
Integrity 5<sup>th</sup> Wheel  
Manual**

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Welcome to the *INTEGRITY* family of RV owners.

The Owners Manual for your new *INTEGRITY* 5th Wheel is designed to answer the most commonly asked questions regarding the operation, function and care of the many systems that make traveling with your RV a pleasure.

We want you to use this manual, and hope you will find the information contained in it useful; however, should you ever feel you need more technical advice, please contact your dealer.

All information, illustrations and specifications contained in the literature is based on the latest product information available at the time of publication approval. Detailed information is supplied by the manufacturers of the appliances, and can be found in your "Owner's Packet".

Your new *Integrity* comes with two towel bars, a towel ring, tooth brush holder, soapdish, two shower heads and hoses. Also, the TV controller, VCR Controller (if you ordered the optional VCR), and Home Stereo controller are all contained in your *Integrity* Customer Preference Box. Your dealer will gladly install these items at no cost to you in your preferred location. Once these items are installed you may use the Customer Preference Box as you please.

Throughout this manual CAUTION and WARNING notations are used. Failure to observe "*caution*" can damage equipment. "*Warning*" notes the possibility of personal injury if not observed.

*Note: If and when new materials and production techniques are developed which can improve the quality of its product, or material substitutions are necessary due to availability. INTEGRITY reserves the right to make such changes.*

# **LIMITED WARRANTY**

## **1996 INTEGRITY 5th WHEEL**

**B-1**

### **WARRANTY COVERAGE**

When you buy a new *INTEGRITY* 5th Wheel from an authorized dealer, *INTEGRITY* warrants the trailer from defects in material and workmanship as follows:

### **WARRANTY PERIOD**

The Warranty is for one year from the date of the original retail purchase.

### **ITEMS COVERED**

Any part of the 5th Wheel trailer or any component equipment installed by the factory is covered by the warranty except the following items which are not covered:

- \* Furnace(s)
- \* Generator
- \* Air Conditioner
- \* Refrigerator
- \* Washer/Dryer
- \* Microwave
- \* TV, Radio, and Cassette Players
- \* Tires
- \* Battery
- \* Fuses and Light Bulbs

The above items will be handled by their respective service points and according to their written policy. This limited warranty does not include failure caused by accident, abuse, normal wear, overload or any cause not attributable to a defect in original material or workmanship of the 5th Wheel or component equipment installed by the factory.



## ● WARRANTY EXPLANATION

B-2

Along with your new *Integrity* 5th Wheel you have purchased the *Integrity* Limited Warranty. Read your Limited Warranty carefully. It contains the entire agreement with respect to *Integrity's* obligation on the Limited Warranty on your new vehicle. The terms of the Limited Warranty, and only those terms, will define *Integrity's* responsibility. When you receive your Limited Warranty file it for safekeeping.

Upon proof of purchase date to any *Integrity* Dealer Service Center, defects in materials or workmanship will be repaired or replaced without cost to the owner for a period of twelve (12) months from the original purchase date.

Items such as tires, batteries, generator are serviced by their respective manufacturers and will be handled by their service centers according to the terms of their written policy. Any warranty forms from these manufacturers should be completed promptly, preferably at time of purchase.

Paint and appearance items which show imperfections should be brought to the attention of your dealer at the time of delivery and during pre-delivery inspection. Normal deterioration by use and exposure is not covered by the *Integrity* Limited Warranty.

Damage to enameled or porcelain surfaces resulting from abrasion, collision or impact, and broken window glass is not covered by the *Integrity* Limited Warranty.

### THE *INTEGRITY* LIMITED WARRANTY EXCLUDES:

#### NORMAL WEAR

Items such as water purifier packs, curtains, upholstery, floor coverings, window, door and vent seals may show wear within the one year Limited Warranty period depending upon the amount of usage, weather and atmospheric conditions.

#### ACCIDENT

Damage caused by accident is usually visible, and we strongly urge our dealers and customers to inspect the 5th Wheel upon delivery for any damage caused by accident while being delivered to the dealer, or while it is on the dealer's lot. Damage of this nature becomes the dealer's or your responsibility upon acceptance of the 5th Wheel. GLASS BREAKAGE, whether obviously struck or mysterious, is always accidental and covered by most insurance policies.

## ABUSE

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Lack of customer care and/or improper maintenance, including failure to comply with the terms of the Owner's Manual, or failure to heed proper care are not covered by warranty.

## EXPOSURE

Deterioration by sunlight is possible to such items as tires, curtains, or upholstery. Steel or metal surfaces are subject to the elements causing rust and corrosion which is normal and beyond the control and responsibility of *Integrity*.

## OVERLOAD

Damage due to loading beyond capacity or to cause improper balance is not covered by the *Integrity* Limited Warranty. The *Integrity* 5th Wheel is engineered to properly handle any normal load. There are limits to the amount of load that can be safely transported depending upon speed and road conditions. If these have been exceeded the *Integrity* Limited Warranty will not cover resulting damage. For additional information on the load capacity consult your Owner's Manual under the section "RV Weights & Loading"

## ● LIMITATIONS OF IMPLIED WARRANTIES

All warranties of merchantability and fitness for a particular purpose, whether written or oral, express or implied, shall extend only for a period of one year from the date of original purchase. There are no warranties which extend beyond those described on the face hereof and expressly excludes conditions resulting from normal wear, accident, abuse, exposure or overload. *Some states do not allow limitation on how long an implied warranty lasts, so the limitation may not apply to you.*

### INTEGRITY'S RESPONSIBILITY

The *Integrity* Limited Warranty applies for a period of one year from the date of the original purchase and the applicable date of all warranties is that indicated on the Owner's Identification Card. Defects in items covered under this warranty will be corrected without cost upon the return at the owner's expense of the 5th Wheel or defective part to an authorized *Integrity* dealer.

### CARE AND MAINTENANCE

This warranty covers only defective material and/or workmanship; adjustments and checking are excluded. All adjustments are made at the factory prior to shipment, and rechecked by the dealer prior to delivery to the customer. Adjustments thereafter become a customer responsibility.

The owner is also responsible for following all recommendations, instructions, and precautions contained in the *Integrity* Owner's Manual and the individual manuals furnished by the appliance and other manufacturers.

### INSTALLATIONS NOT COVERED

*Integrity* does not accept any responsibility in connection with any of its 5th Wheels for additional equipment or accessories installed at any dealership or other place of business, or by any other party. Such installation of equipment or accessories by any other party will not be covered by the terms of this warranty.

### IF REPAIRS ARE NEEDED

If your 5th Wheel needs repairs under the terms of the *Integrity* Limited Warranty, you should:

1. Take your 5th Wheel to your selling dealer or another authorized dealer
2. If the dealer is incapable of making the repair, request that he contact the Service Administration Department at *Integrity* for technical assistance.

3. If repairs are still not made, the customer should contact *Integrity* by Airstream, 522 N.MainStreet, Jackson Center, Ohio 45334, Attn: Owner Relations Dept., and furnish the following information.
  - \* The complete serial number of the 5th Wheel
  - \* Date of original purchase
  - \* Selling Dealer
  - \* Nature of service problem and steps or service which have been performed may be directed to another dealer at the owner's expense.)
4. If, after taking the above steps, repairs are still not complete, the *Integrity* owner may request the 5th Wheel be brought back to the Factory Service Center at the owner's expense.

#### DEALER REPRESENTATION EXCLUDED

The full extent of *Integrity's* Limited Warranty is set forth in detail in this folder, and in the Explanation of *Integrity* Limited Warranty covered in the Owner's Manual. *Integrity* will not be responsible for additional representations or implied warranties made by any of its dealers to the extent those representations are not a part of, or are contrary to, the terms and conditions of the *Integrity* Limited Warranty.

#### CONSEQUENTIAL AND INCIDENTAL DAMAGES

*Integrity* will not be responsible for any consequential or incidental expenses or damages resulting from a defect. Incidental expenses include, but are not limited to, travel expenses, gasoline, oil, lodging, meals, telephone tolls, loss of work and loss of use of the 5th Wheel. Some examples of consequential damages would be: stained curtains due to rain leaks or delaminated floor caused by a plumbing leak. In the event of a defect, the owner must take all reasonable corrective action to lessen the damages which might result from such a defect. *Integrity* will not be responsible for damages which could have been avoided. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

#### WARRANTY TRANSFER

This limited warranty is transferable to subsequent owners for the duration of the warranty period. Warranty transfer application forms are available from your dealer or the *Integrity* Service Administration Department.

#### CHANGES IN DESIGN

*Integrity* reserves the right to make changes in design and improvements upon its product without imposing any obligation upon itself to install the same upon its product theretofore manufactured.

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

# LPG SYSTEM

D-1

Your 5th Wheel trailer is equipped with two tanks for LPG (Liquid Petroleum Gas). They are located in the forward, roadside or curbside storage compartment depending on the bathroom configuration. LPG burns readily with a clean blue flame and yields a great deal of heat energy. Under proper conditions and careful handling it is safe, economical and ideally suited for use where conventional fuels are not easily utilized. A strong odor has been added to the gas for safety.

There are two basic types of LPG in common usage: Butane and Propane. Butane should be used only where temperatures are normally above freezing the year round. Butane will convert to a gas only at temperatures above 32 degrees Fahrenheit and will not function as a fuel below that. Propane, on the other hand, can be used as a fuel even at subfreezing temperatures as low as -40 degrees Fahrenheit. Both butane and propane gases are heavier than air. When released they flow downhill like water and will tend to fill depressions. Both diffuse readily and will dissipate quickly into atmosphere if adequate ventilation is provided to allow a downward flow.

***CAUTION:** LP gas is highly flammable and is potentially explosive if improperly handled. It is not poisonous, but will induce drowsiness and may cause suffocation. Under ordinary circumstances, breathing small amounts should not be harmful. Use extreme caution, and see that others do, when filling the storage tank. There should be no flame or spark or anything which might induce a spark within at least 25 feet of the filling operation. (NO SMOKING)*

## AUTOMATIC GAS REGULATOR

All models are equipped with an automatic gas regulator. Both tanks are connected to this regulator. Open both tank valves completely, then close about 1/4 turn. This will allow you to easily check to see if valves are opened or closed.

When the gas is turned on it is drawn from only one tank at a time. When the tank being used is depleted the regulator automatically switches to the full tank. An indicator on the regulator knob points toward the tank which was being used to give you a visual reminder when one tank is empty.

***Note:** The tank in use is not completely empty until the red warning flag is fully visible in the indicator window. The empty tank can be removed for refilling without disturbing the tank being used.*

***WARNING:** LP gas regulators must always be installed with the diaphragm vent facing downward.*

## FILLING LP GAS BOTTLES

D-2

When your LP gas tank is empty, have it refilled as soon as possible.

1. Make sure the arrow on the cylinder selector is pointed to the full cylinder.
2. Close the valve on the empty cylinder and remove the nut from the valve.

*(Note: Left Hand Thread)*

3. Loosen the clamp that holds cylinder in place.
4. Remove the cylinder and have it refilled.
5. Slide the cylinder back in place and tighten clamp.
6. Connect the left-hand nut and tighten securely.

**WARNING:** Only use the gas bottles furnished with your Integrity 5th Wheel trailer. If a replacement is required it must be a bottle of the same size and design.

**WARNING:** Your LP tanks must be filled as directed by the tank manufacturer. Instructions are located on a decal near the fill valve. The decal must not be defected.

**WARNING:** Your LP tank must be, and can only be, placed in the proper position when remounting. In any other position the base of the tank will not fit into the recess.

**WARNING:** The vent at the bottom of the regulator must be kept free of any obstructions and must be pointed downward. A good habit is to check the vent each time a bottle is removed for filling. It is especially important to check the vent if your Integrity 5th Wheel has not been used regularly.

### PRECAUTIONS & RECOMMENDATIONS

- Inspect LP fill valve for foreign material before refilling bottle.
- Shut off tow vehicle and Pilot lights when refilling gas tanks.
- Never check for gas leaks with open flame match, etc.
- Visually inspect gas lines for any problem periodically.

#### **WARNING: IF YOU SMELL GAS:**

- Extinguish any open flames, pilot lights and all smoking materials
- Do not touch electrical switches
- Shut off the gas supply at the tank valve(s) or gas supply connection.
- Open doors and other ventilating openings.
- Leave the area until odor clears.
- Have the system checked and leakage source corrected before using again.

**WARNING:** The LP Gas System in your Integrity 5th Wheel is designed for Liquefied Petroleum Gas only. NEVER attempt to connect natural gas to this system.

## BASIC RULES FOR SAFETY

D-3

**WARNING:** Do NOT store LP containers within vehicle. LP containers are equipped with safety devices that vent gas should the pressure become excessive.

**WARNING:** Do NOT use cooking appliances for comfort heating. Cooking appliances need fresh air for safe operation. Before operation open overhead vent or turn on exhaust fan and open window.

*A warning label has been located in the cooking area to remind you to provide an adequate supply of fresh air for combustion. Unlike homes, the amount of oxygen supply is limited due to the size of the 5th Wheel, and proper ventilation when using the cooking appliance(s) will avoid dangers of asphyxiation. It is especially important that cooking appliances not be used for comfort heating as the danger of asphyxiation is greater when the appliance is used for a long period of time.*

**WARNING:** Portable fuel-burning equipment, including wood and charcoal grills and stoves, shall not be used inside the recreational vehicle. The use of this equipment inside the recreational vehicle may cause fires or asphyxiation.

**WARNING:** A warning label has been located near the LP gas container. This label reads: **DO NOT FILL CONTAINER(S) TO MORE THAN 80 PERCENT OF CAPACITY.** Overfilling the LP container can result in uncontrolled gas flow which can cause fire or explosion. A properly filled container will contain approximately 80 percent of its volume as liquid LP gas.

**WARNING:** Do NOT bring or store LP gas containers, gasoline, or other flammable liquids inside the vehicle because a fire or explosion may result.

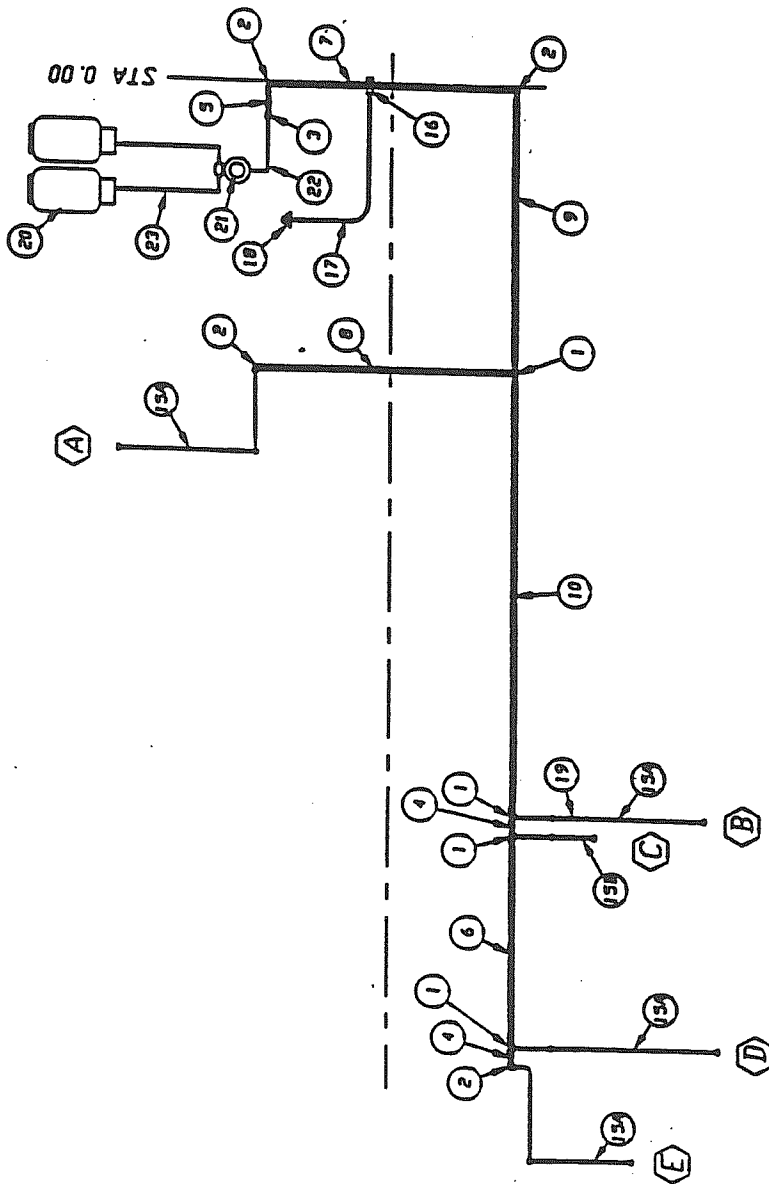
**PLAY IT SAFE AT ALL TIMES.** If a leak is suspected, turn off tank valves immediately. Follow recommended procedures to locate leak or ask LP dealer to do it. Although the entire system and its attached appliances have undergone extensive factory testing for leaks, with normal use being subject to road vibrations, connections and fittings can develop leaks. Usually you can detect these leaks by the strong odor. If you do encounter this odor, turn off all open flames immediately and commence a systematic search for leaks throughout the gas system. Use a bubble solution or soapy water - NEVER A MATCH - on connections. Use two wrenches with opposing torque to prevent twisting of copper tubing distribution system, then check the appliances.

Do NOT tamper with the LP gas piping system, pressure regulator or appliances. Exercise caution when drilling holes or attaching objects on walls. Be sure appliance, plumbing and outside vents are open and free from obstructions such as ice and snow.

# INTEGRITY

5TH WHEEL

LP SYSTEM - 36' RK



ITEM	DESCRIPTION
23	HOSE- L.P. - TANK TO REGULATOR- 35'
22	HOSE- L.P. LOW PRESSURE- 18'
21	REGULATOR- L.P. W/COVER-
20	TANK- L.P. - W/SENDER
19	GROMMET- FLOOR
18	LUG- GROUND
17	WIRE- 8 GA BARE COPPER
16	CLAMP- GROUNDING
15B	38" LONG
15A	72" LONG
15	TUBING- COPPER- 3/8"
14	ADAPTER- 5/8" FLARE X 1/2" PIPE
13	ADAPTER- 3/8" FLARE X 1/2" PIPE
12	FLARE NUT- BRASS- FORGED- 5/8"
11	FLARE NUT- BRASS- FORGED- 3/8"
10	PIPE- 1/2" STL- SCH 40 BLK- 124'
9	PIPE- 1/2" STL- SCH 40 BLK- 78'
8	PIPE- 1/2" STL- SCH 40 BLK- 69'
7	PIPE- 1/2" STL- SCH 40 BLK- 66'
6	PIPE- 1/2" STL- SCH 40 BLK- 58'
5	PIPE- 1/2" STL- SCH 40 BLK- 8'
4	PIPE- 1/2" STL- SCH 40 BLK- 4'
3	COUPLER- CAST IRON- AM STD- 1/2"
2	ELBOV- CAST IRON- AMER STD- 1/2"
1	TEE- CAST IRON- AMER STD- 1/2"

- A. FRONT FURNACE HYDROFLAME 8520  
20,000 BTU
- B. REFER 1,500 BTU  
DOMETIC RM-3862
- C. REAR FURNACE HYDROFLAME- 8525  
25,000 BTU
- D. RANGE & OVEN 26,500 BTU  
MAGIC CHEF 85RB-3BK
- E. WATER HEATER 10,000 BTU  
ATWOOD G10-2E



## WATER SYSTEM - SELF CONTAINED

E-1

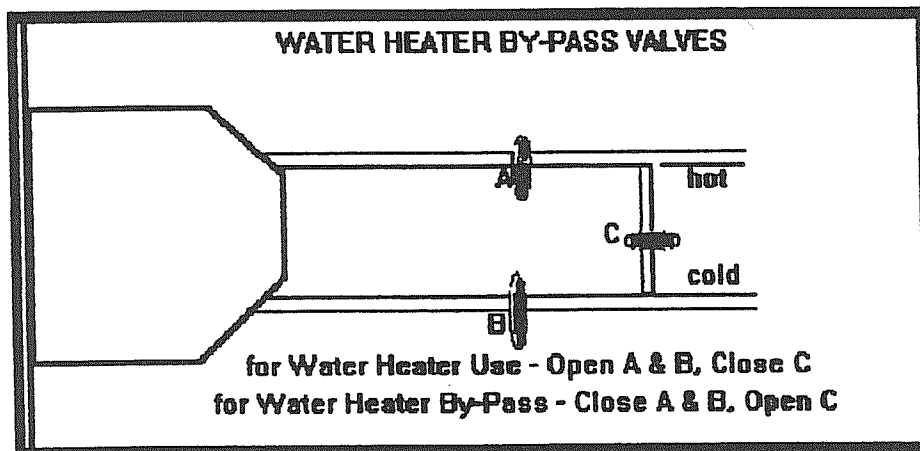
Fill the water tank by opening the exterior door marked water fill and remove screw cap. A garden hose can now be inserted. It's a good idea to let the water run through the hose for a short time to flush it out. The amount of water in the tank may be checked on the Monitor Panel, or you may fill the tank until water overflows out of the fill.

Turn water heater by-pass valves to normal flow, open valves A and B (See Diagram Below). Close Valve C. For winterizing, C would be opened while A and B are closed. Access to the valves vary by model, ask your dealer to show you the location of the access in your particular unit (e.g. 36RK - access behind the drawer boxes in the galley)

Open the hot side of the galley or lavatory faucet and turn on the water pump switch located on the monitor panel. For some time the open faucet will only sputter. This is because the water heater is being filled and air is being pushed out through the lines. Once the water heater is full a steady stream of water will come from the faucet. Now open a cold faucet. It will sputter for a short time, but will soon expel a steady stream. All other faucets can now be opened until all air is expelled.

Once the system is filled with water and the faucets closed, the water pump will shut off. When a faucet is opened the pump will come back on automatically. If the faucet is just barely open it is normal for the pump to cycle on and off rapidly.

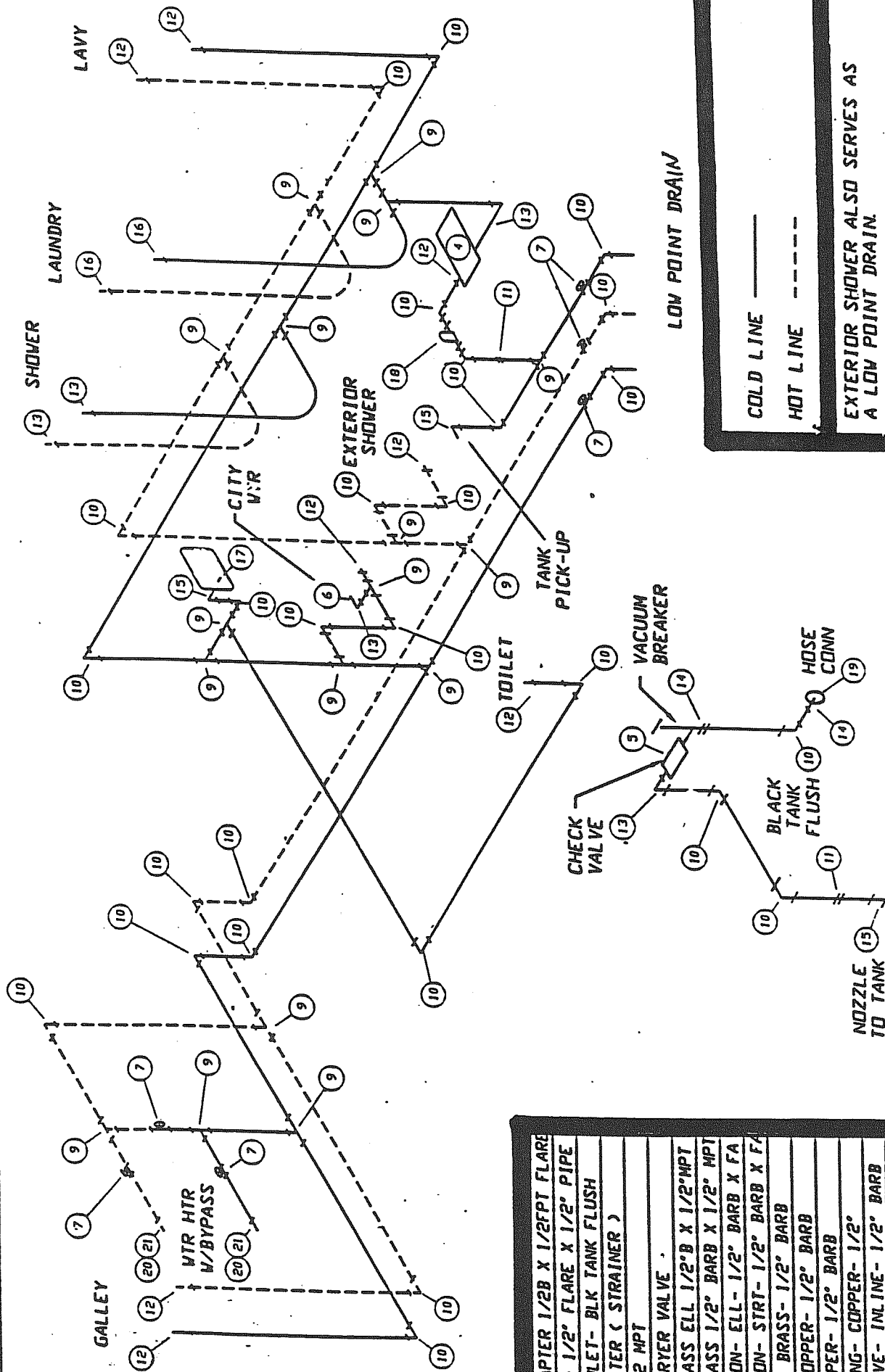
*Caution: The water pump must be turned off when hooked up to city water supply and when you leave your Integrity 5th Wheel unattended.*



# INTEGRITY

36' RK - CS S/A BATH

# FRESH WATER SYSTEM



21	SVVL ADAPTER 1/2B X 1/2FPT FLARE
20	ADAPTER- 1/2" FLARE X 1/2" PIPE
19	WATER INLET- BLK TANK FLUSH
18	TANK FILTER ( STRAINER )
17	PLUG- 1/2 MPT
16	WASHER/DRYER VALVE
15	ADPT- BRASS ELL 1/2"B X 1/2"MPT
14	ADPT- BRASS 1/2" BARB X 1/2" MPT
13	FAUCET CON- ELL- 1/2" BARB X FA
12	FAUCET CON- STRT- 1/2" BARB X FA
11	COUPLER- BRASS- 1/2" BARB
10	ELBOW- COPPER- 1/2" BARB
9	TEE- COPPER- 1/2" BARB
8	CRIMP RING- COPPER- 1/2"
7	STOP VALVE- INLINE- 1/2" BARB
6	FILL- CITY WATER V/REGULATOR
5	SYSTEM- TANK FLUSH- NO FUSS
4	PUMP- WATER- RVIA APPROVED

COLD LINE ———

HOT LINE - - - -

EXTERIOR SHOWER ALSO SERVES AS A LOW POINT DRAIN

ALL TUBING IS 1/2" I.D. POLYBUTYLENE.

The drain and waste system of your Integrity 5th Wheel includes waste holding tanks made from molded plastic. The BLACK HOLDING TANK enables you to use the toilet for several days away from disposal facilities. The waste water from the sink, shower, and bath and lavatory drain into the GRAY 1 HOLDING TANK. Drain water from kitchen sink drains into the GRAY 2 HOLDING TANK. Each tank has its own dump valve; however, all tanks drain through a common outlet. Therefore, you need to make only one connection when hooking up in a trailer park with sewer facilities.

### **When Parked and Connected to Sewer Outlet**

When you are in a park and connected to a sewer outlet, keep the main holding tank dump valve closed, and empty the tank every few days or whenever it becomes almost full. ONLY BY SENDING A LARGE VOLUME OF LIQUID THROUGH THE MAIN HOLDING TANK AT A TIME WILL TOILET PAPER AND OTHER SOLIDS BE COMPLETELY WASHED AWAY.

This practice will avoid the accumulation of solids in the main holding tank, which could lead to an unpleasant cleaning job. Should solids accumulate, close the dump valve, fill the tank about half full of water, then tow the trailer for a few miles. The turbulence and surging of the water will usually dissolve the solids into suspension so the tank can be drained. Keep the auxiliary tank valve open when connected to a sewer outlet.

Draining the tanks as described will protect them from freezing during storage. When traveling in sub-freezing temperatures, use a winterizing solution designed for RV use. Follow the directions on the container.

**CAUTION::** Never put wet strength paper towels or tissues in your holding tank, since they won't dissolve and can catch in the mechanism of the dump valve. Colored toilet tissue is slower to dissolve than white. Most RV accessory stores offer tissue, designed for RVs, that will completely dissolve.

To empty all tanks, attach the sewer hose by pressing the bayonet fitting onto the outlet adapter and rotate clockwise until it feels solid and secure. Attach the outlet end of the hose to the sewage outlet, making sure that the hose is placed so that it will drain completely. The dump valves are located on the ROADSIDE of your unit. Pull the dump valve handle out as far as it will go and wait until the tank is drained. If the gray tanks are drained after the waste tank, the soapy water will help keep the sewer hose and outlet clean.

The black holding tank must be flushed out until all paper and waste material is removed. Close the dump valve and refill the tank with 5 to 10 gallons of clean water and repeat until clean.

In the utility compartment on the roadside is a water hose connector marked "black tank flush." To use, hook up hose and turn on full force. Within the tank a spray head with a multiple-holed head will spray the interior surface of the tank.

The gate valve should be closed for the first couple of minutes, then opened to let the water out in a rush. Repeat as needed.

#### **Drain System Cleaning**

There are many deodorizers on the market in tablet, liquid, and powder form. These not only combat odor, but stimulate the bacteria that works to dissolve the solids in your tank. Picking a deodorizer with lubricating qualities will ease slide valve operation.

The only cleaning agents that can be used without causing harm to the system are household ammonia and trisodium phosphate in small quantities. Do not use any product that contains any portion of petroleum distillates. This attacks the rubber seal of your toilet and dump valve. Also, do not use any dish detergent or abrasive cleaners.

All products should be marked approved for ABS drainage systems.

When winterizing drains use only recreational vehicle plumbing type antifreeze. These are sold through your dealer.

#### **Monitor Panel::**

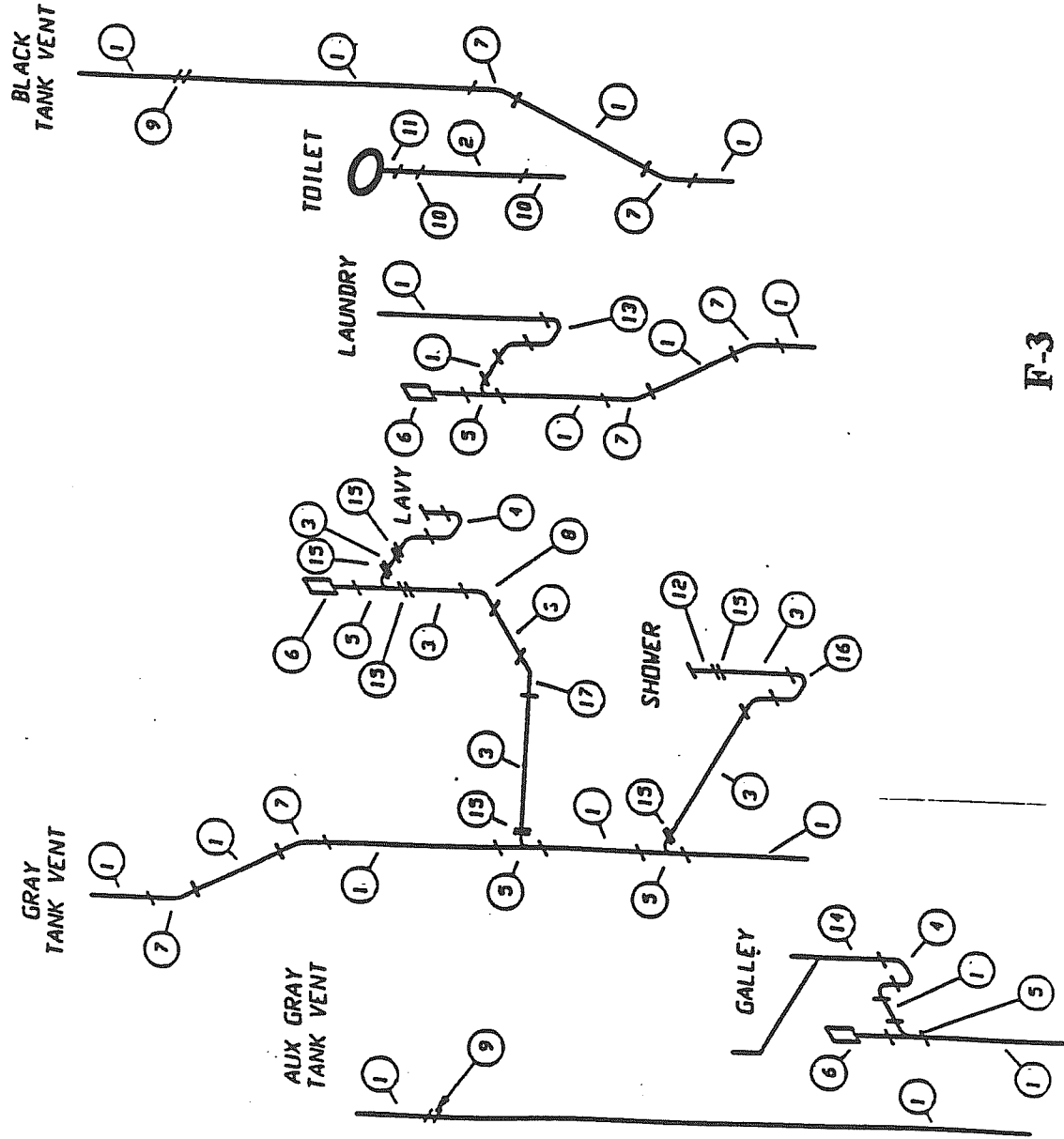
Check your monitor panel frequently. When the BLACK HOLDING TANK is completely full, sewage cannot be emptied from the toilet bowl. If the GRAY HOLDING TANKS are overfilled, drain water will " back-up " into the tub and cause an unpleasant cleaning job. Never drain the tanks at any place other than an approved dumping station..

# INTEGRITY

36'RK - CS S/A BATH

DWV- ABOVE FLOOR

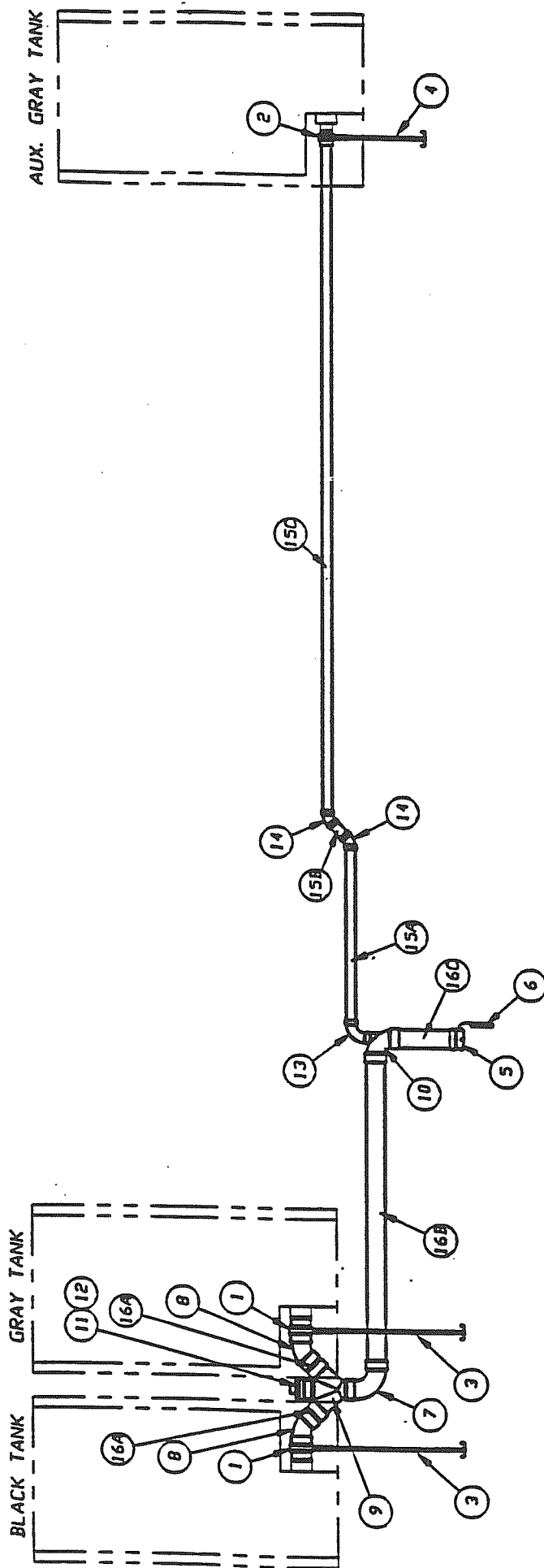
ITEM	DESCRIPTION
17	FTG ELL 45 1-1/4"H X 1-1/4"H
16	FTG P-TRAP V/UJ 1-1/4"H X 1-1/4"H
15	FTG BUSHING 1-1/2"SP X 1-1/4"HUB
14	FTG CONTINUOUS WASTE 1-1/2"
13	FTG P-TRAP V/UJ 1-1/2"H X 1-1/2"H
12	FTG ADAPTER 1-1/2"H X 1-1/2"FIPT
11	FTG CLOSET FLANGE 4" X 3" FIPT
10	FTG ADAPTER 3"H X 3"HIPT
9	FTG COUPLER 1-1/2" HUB X HUB
8	FTG ELL 90 1-1/4"H X 1-1/4"H LT
7	FTG ELL 45 1-1/2"H X 1-1/2"H
6	FTG TRAP-VENT ANTI-SIPHON 1-1/2"
5	FTG SANITARY TEE 1-1/2" HUB
4	FTG P-TRAP V/UJ 1-1/2"H X SJ NUT
3	PIPE- ABS- 1 1/4"
2	PIPE- ABS- 3"
1	PIPE- ABS- 1 1/2"



# INTEGRITY

5TH WHEEL

DWV- BELOW FLOOR- 36' RK



ITEM	DESCRIPTION
10	FTG ELL W/WHEEL 3H X 3H X 1-1/2H
9	FTG DBL WYE 45 3" HUB
8	FTG ST ELL 45 3S X 3H
7	FTG ST ELL 90 3S X 3H LT
6	TERMINATION CAP- 3" BAY
5	TERMINATION ADAPTOR- 3" HUB X BAY
4	EXTENSION ROD- 14" C DUMP VALVE
3	EXTENSION ROD- 24" C DUMP VALVE
2	VALVE ASS'Y- 1 1/2" HUB X SPIGOT
1	VALVE ASS'Y- 3" HUB X SPIGOT

ITEM	DESCRIPTION
16C	12.00' LONG
16B	60.00' LONG
16A	3.50' LONG
16	PIPE- ABS- 3"
15C	128.75' LONG
15B	4.20' LONG
15A	34.50' LONG
15	PIPE- ABS- 1 1/2"
14	FTG ELL 45 1-1/2H X 1-1/2H
13	FTG ST ELL 90 1-1/2S X 1-1/2H LT
12	FTG PLUG 3" HIPT
11	FTG ADAPTER 3"S X 3"FIPT

# ELECTRICAL SYSTEM

G-1

Your electrical system is a combination 12 volt and 110 volt system. Every facet has been carefully engineered and installed to comply with the "American National Standard #A 119.2" and the "National Electric Code".

This combination system consists of:

- 12 volt - Automotive System
- 110 volt - Outside Power Source

## 110 VOLT SYSTEM

This is supplied by plugging the power cord into an outside 110 volt receptacle. It furnishes current to 110 volt receptacle. It furnishes current to 110 volt roof air conditioners, refrigerator and all internal 110 volt receptacles. It also supplies power for the 12 volt trailer system through the converter.

The 110 volt circuits are protected by circuit breakers and will handle up to 20 amps. The most common cause of a circuit breaker to open is an overloaded circuit. If this happens, reduce the load and reset the breaker. *Note::2 air conditioners cannot be run at the same time on a 30 amp service.*

Your bathroom and exterior receptacles are protected by a highly sensitive device known as a "Ground Fault Interrupter", which is designed to sense the slightest electrical "short" at those receptacles and instantly disconnect the current before a person can be injured.

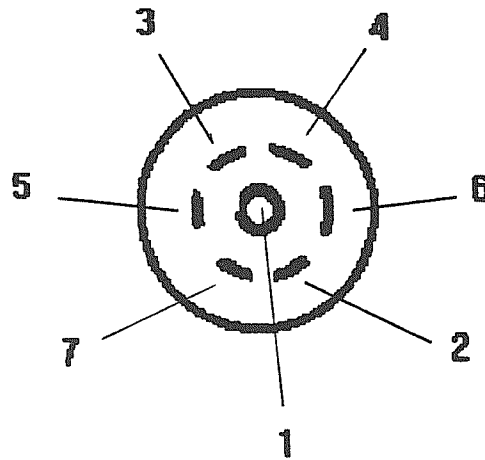
*CAUTION: Never replace circuit breakers or fuses of higher current rating than those originally installed. This could overheat the wiring and start a fire.*

## 12 VOLT AUTOMOTIVE SYSTEM

The 12 volt battery in the tow vehicle supplies this current to the trailer's electric brakes, clearance lights, turn signals, tail, stop and back-up lights throughout the electrical connector.

The electrical connector wiring color code is as follows:

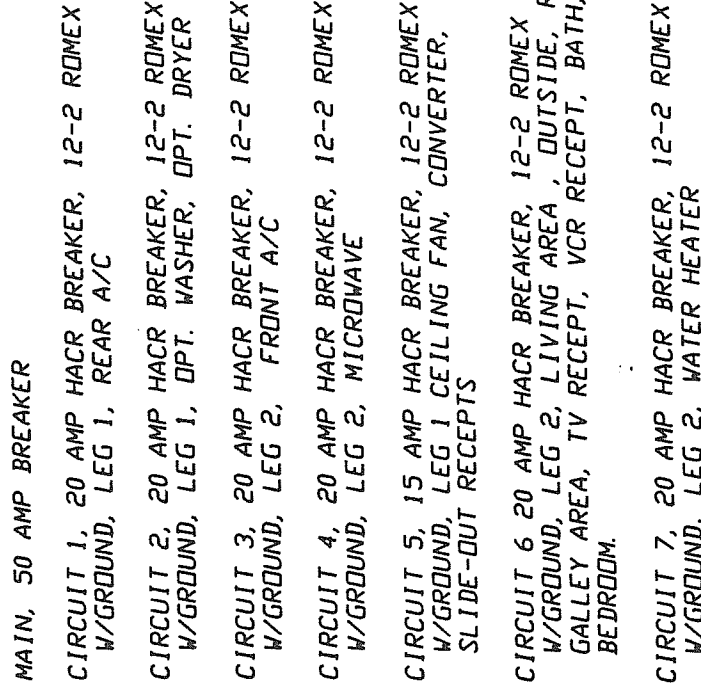
<i>No.</i>	<i>Color</i>	<i>Item</i>	<i>Wire Size</i>
1	Yellow	Backup Lights (not used)	No. 14
2	Blue	Brakes	No. 12
3	Green	Clearance & Tail Lights	No. 14
4	Black	Battery Charge	No. 10
5	Red	Left Turn & Stop Lights	No. 14
6	Brown	Right Turn & Stop Lights	No. 1
7	White	Ground	No. 8

**Car Connector Plug**

<i>No.</i>	<i>Color</i>	<i>Item</i>	<i>Wire Size</i>
1	Yellow	Backup Lights (not used)	No. 14
2	Blue	Brakes	No. 12
3	Green	Clearance & Tail Lights	No. 14
4	Black	Battery Charge	No. 10
5	Red	Left Turn & Stop Lights	No. 14
6	Brown	Right Turn & Stop Lights	No. 14
7	White	Ground	No. 10



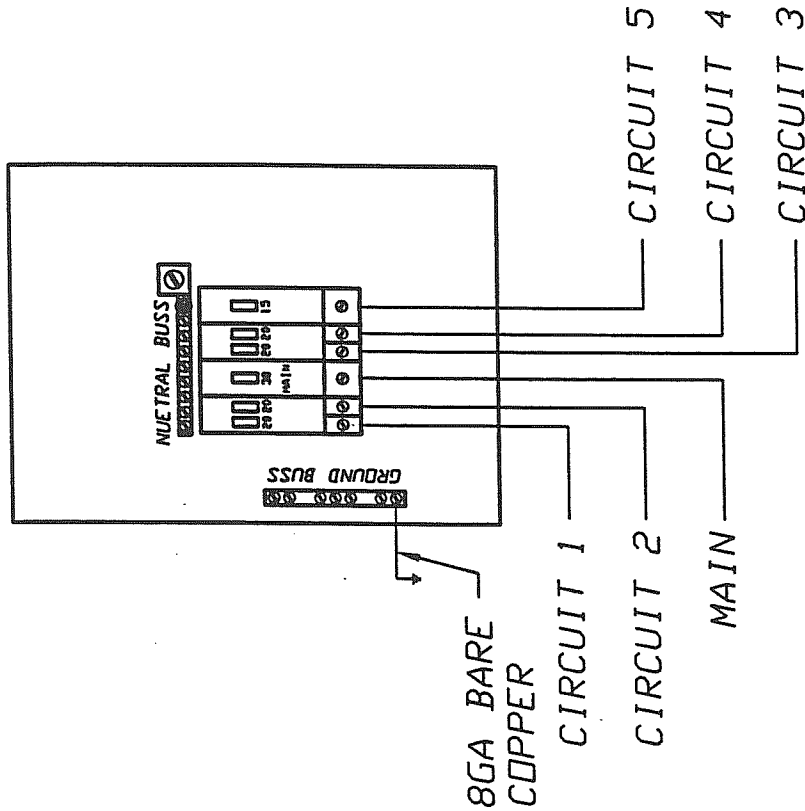
SQUARE "D" LOAD CENTER  
CATALOG NO. Q06-12L100T  
SERIES GI  
TYPE 1 ENCLOSURE  
120/240V. A.C. 1 PH. 3W.  
MAINS 100 MAX  
UL/CSA CERTIFIED



ITEM	PART NUMBER	DESCRIPTION	QTY	UH
TOLERANCES ±		INTEGRITY	DRAWN BY <i>Maaswell</i>	
NEXT ASS'Y			APPROVED BY	
		PRODUCT LINE	36' RK & 36' CK	
TITLE 110V PANELBOARD- 50 AMP				
SCALE 1=4	DATE 10/26/95	DRAWING NUMBER 50008-03	REV. A	B

50008-01

SQUARE "D" LOAD CENTER  
CATALOG NO. Q04-7FM70TTS  
SERIES G1  
TYPE 1 ENCLOSURE  
UL/CSA CERTIFIED



LET	DATE	E.C.N.	REVISION RECORD	BY
	7/95	4498	PRODUCTION RELEASE	JM
A	5/96	4498-C	REVISED FOR 1997	JM

CIRCUIT 1, 20 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, MICROWAVE, FRONT A/C

CIRCUIT 2, 20 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, CEILING FAN, CONVERTER,  
BEDROOM, TV RECEPT, VCR RECEPT.

MAIN, 30 AMP BREAKER

CIRCUIT 3, 20 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, REAR A/C

CIRCUIT 4, 20 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, OPT WASHER, OPT DRYER

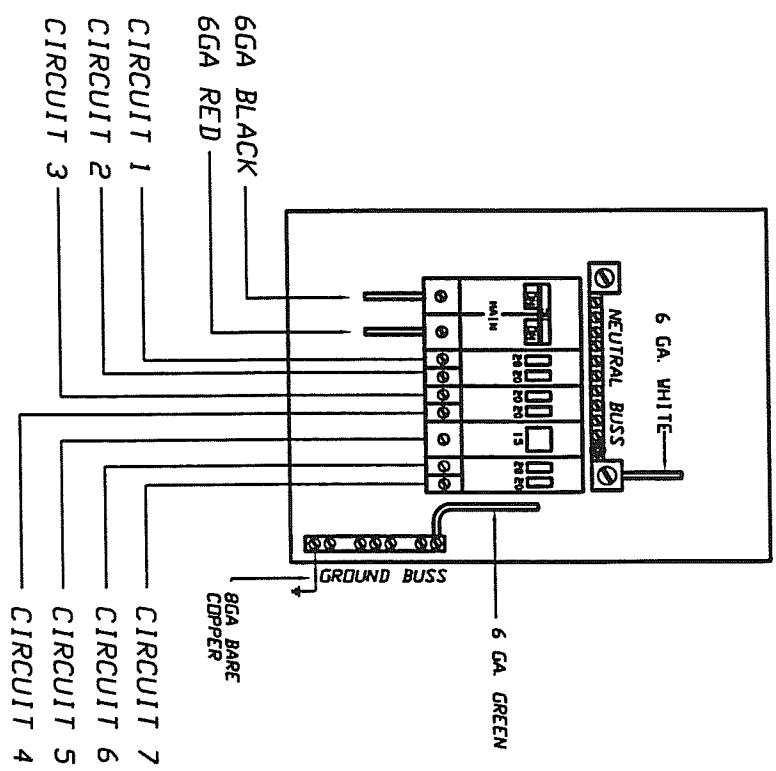
CIRCUIT 5, 15 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, LIVING AREA, OUTSIDE, REFER,  
GALLEY AREA, BATH.

ITEM	PART NUMBER	DESCRIPTION	QTY	UH
TOLERANCES ±	INTEGRITY		DRAWN BY Mazwell	
NEXT ASS'Y	PRODUCT LINE 36' RK & 36' CK		APPROVED BY	
TITLE 110V. PANELBOARD- 30 AMP				
SCALE 1=4	DATE 07/24/95	DRAWING NUMBER 50008-01	REV. A	

G-4

50008-06

SQUARE "D" LOAD CENTER  
CATALOG NO. Q06-12L100T  
SERIES G1  
TYPE 1 ENCLOSURE  
120/240V. A.C. 1 PH. 3W.  
MAINS 100 MAX  
UL/CSA CERTIFIED



LET	DATE	E.C.N.	REVISION RECORD	BY
	3/96	4498-C	PRODUCTION RELEASE	JM
A	5/96	4498-C	REVISED FOR 1997	JM

MAIN, 50 AMP BREAKER

- CIRCUIT 1, 20 AMP HACR BREAKER, 12-2 ROMEX W/GROUND, LEG 1, REAR A/C
- CIRCUIT 2, 20 AMP HACR BREAKER, 12-2 ROMEX W/GROUND, LEG 1, OPT. WASHER, OPT. DRYER
- CIRCUIT 3, 20 AMP HACR BREAKER, 12-2 ROMEX W/GROUND, LEG 2, FRONT A/C
- CIRCUIT 4, 20 AMP HACR BREAKER, 12-2 ROMEX W/GROUND, LEG 2, MICROWAVE
- CIRCUIT 5, 15 AMP HACR BREAKER, 12-2 ROMEX W/GROUND, LEG 1 CEILING FAN, CONVERTER, TV RECEPT, VCR RECEPT, SLIDE-OUT RECEPTS
- CIRCUIT 6 20 AMP HACR BREAKER, 12-2 ROMEX W/GROUND, LEG 2, LIVING AREA, OUTSIDE, REFER. GALLEY AREA, BEDROOM RECEPTS, BATH.
- CIRCUIT 7, 20 AMP HACR BREAKER, 12-2 ROMEX W/GROUND, LEG 2, WATER HEATER

ITEM	PART NUMBER	DESCRIPTION	QTY	UM
6	50026	LUG- GROUND	1	EA
5	50025	WIRE- 8 GA BARE COPPER	6	FT
4	50024-01	BREAKER- 15 AMP	1	EA
3	50024-05	BREAKER- 20 AMP TANDEN	3	EA
2	50024-05	BREAKER- 50 AMP MAIN	1	EA
1	50011-02	BREAKER BOX- SQ "D"- 100A	1	EA

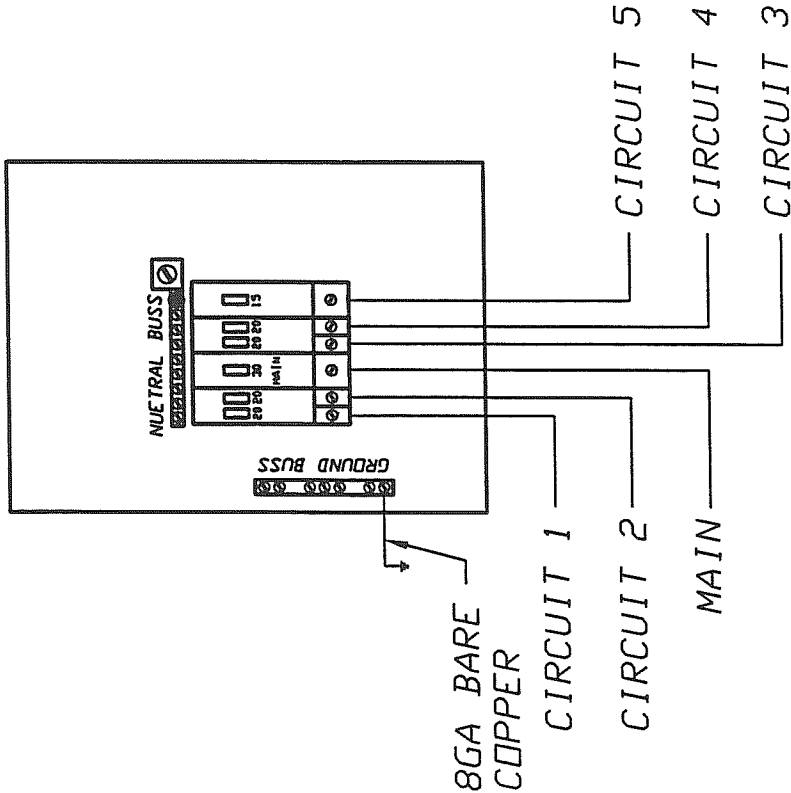
TOLERANCES		DRAWN BY	
±		W. W. W.	
NEXT ASS'Y		APPROVED BY	
PRODUCT LINE		36'RK - 'C' BATH	
INTEGRITY			

TITLE	SCALE	DATE	DRAWING NUMBER	REV.
110V PANEL BOARD- 50 AMP	1=4	03/09/96	50008-06	A

G-6

50008-05

SQUARE "D" LOAD CENTER  
CATALOG NO. Q04-7FM70TTS  
SERIES G1  
TYPE 1 ENCLOSURE  
UL/CSA CERTIFIED



LET	DATE	E.C.N.	REVISION RECORD	BY
	7/95	4498	PRODUCTION RELEASE	JM
A	5/96	4498-C	REVISED FOR 1997	JM

CIRCUIT 1, 20 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, MICROWAVE, FRONT A/C

CIRCUIT 2, 20 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, CEILING FAN, CONVERTER,  
BEDROOM, LIVING AREA, TV, VCR.

MAIN, 30 AMP BREAKER

CIRCUIT 3, 20 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, REAR A/C

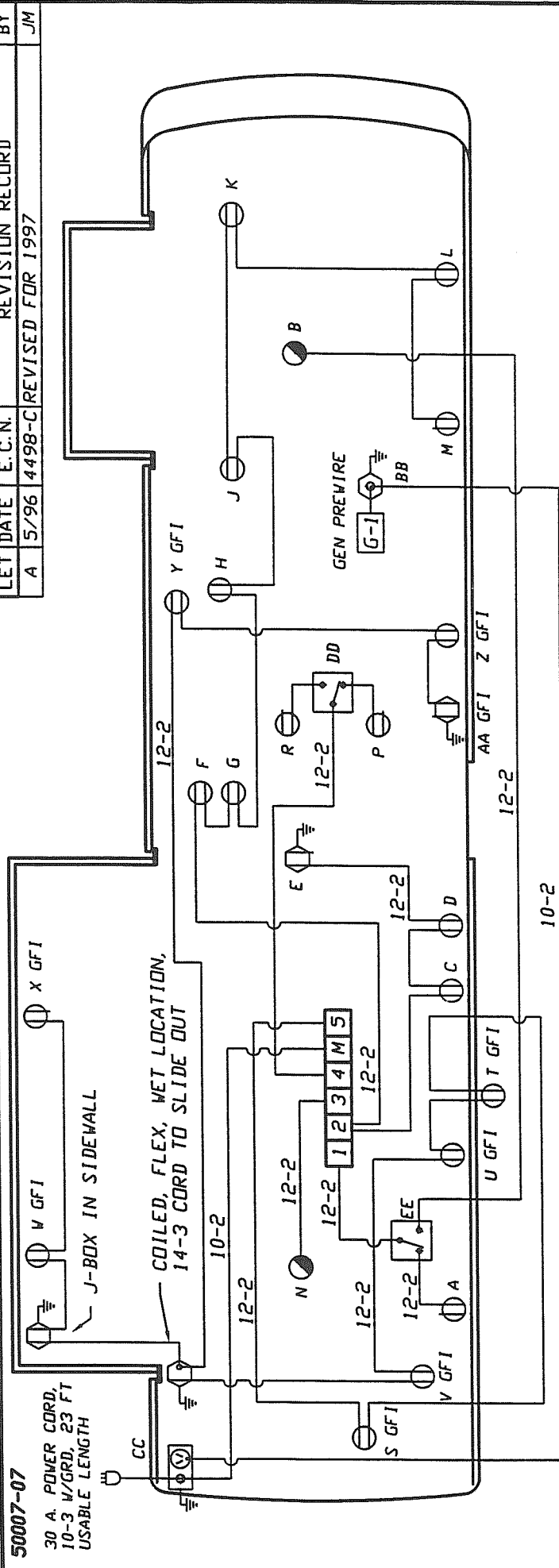
CIRCUIT 4, 20 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, OPT WASHER, OPT DRYER

CIRCUIT 5, 15 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, OUTSIDE, REFER, GALLEY AREA,  
SLIDE-OUT RECEPITS, BATH

ITEM	PART NUMBER	DESCRIPTION	QTY	UN
6	50026	LUG- GROUND	1	EA
5	50025	WIRE- 8 GA BARE COPPER	6	FT
4		BREAKER- 15 AMP	1	EA
3	50024-02	BREAKER- 30 AMP	1	EA
2	50024-01	BREAKER- 20 AMP TANDEM	2	EA
1	50011-01	BREAKER BDX- SQUARE "D"- Q05TTS	1	EA
TOLERANCES		DRAWN BY		
±		Macwell		
NEXT ASS'Y		APPROVED BY		
TITLE		PRODUCT LINE		
110V. PANELBOARD- 30 AMP		36"RK - "C" BATH		
SCALE	DATE	DRAWING NUMBER	REV.	
1 = 4	03/09/96	50008-05	A	A

# G-8

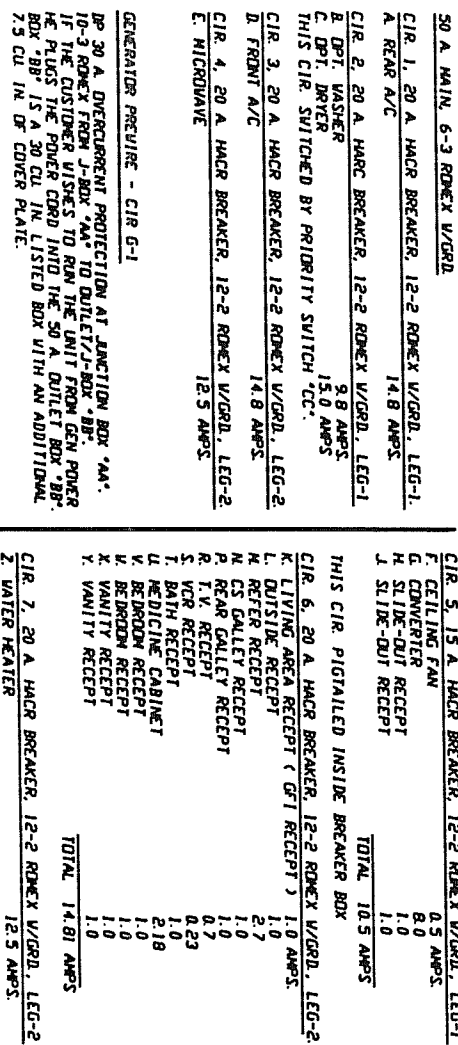
LET DATE	E.C.N.	REVISION RECORD	BY
A	5/96	4498-C REVISED FOR 1997	JM



30 A. MAIN, 10-2 ROMEX V/GRD	
CIR. 1, 20 A. HACR BREAKER, 12-2 ROMEX V/GRD	12.0 AMPS
A. MICROWAVE	12.0 AMPS
B. FRONT A/C	14.8 AMPS
THIS CIR. SWITCHED BY PRIORITY SWITCH 'EE'.	
CIR. 2, 20 A. HACR BREAKER, 12-2 ROMEX V/GRD	1.0 AMPS
C. LIVING AREA RECEPT	1.0
D. LIVING AREA RECEPT	0.5
E. CEILING FAN	0.7
F. TV RECEPT	0.23
G. VCR RECEPT	8.0
H. BEDROOM RECEPT	1.0
I. VANITY RECEPT	1.0
J. VANITY RECEPT	1.0
TOTAL 15.43 AMPS	
THIS CIR. TO BE PIGTAILED INSIDE BREAKER BOX	
CIR. 3, 20 A. HACR BREAKER, 12-2 ROMEX V/GRD	14.8 AMPS
N. REAR A/C	
CIR. 4, 20 A. HACR BREAKER, 12-2 ROMEX V/GRD	
P. OPT. WASHER	9.8 AMPS
R. OPT. DRYER	15.0 AMPS
THIS CIR. SWITCHED BY PRIORITY SWITCH 'DD'.	
CIR. 5, 15 A. HACR BREAKER, 12-2 ROMEX V/GRD	1.0
S. REAR GALLEY RECEPT (GFI)	1.0
T. OUTSIDE RECEPT	1.0
U. REFER RECEPT	2.7
V. CS GALLEY RECEPT	1.0
W. SLIDE-OUT RECEPT	1.0
X. SLIDE-OUT RECEPT	1.0
Y. LAVY RECEPT	1.0
Z. BATH CABINET	1.0
AA. MEDICINE CABINET	2.18
TOTAL 11.88 AMPS	
GEN PREVIRE CIR. G-1, 30 A. OVERCURRENT PROTECTION AT JUNCTION BOX 'BB', 10-2 ROMEX FROM J-BOX 'BB' TO OUTLET/J-BOX 'CC'. IF CUSTOMER WISHES TO RUN THE UNIT FROM GEN POWER, HE PLUGS THE POWER CORD INTO THE 30 A. OUTLET BOX 'CC'. BOX 'CC' IS A 30 CU. IN. LISTED BOX WITH AN ADDITIONAL 7.5 CU. IN. OF COVER PLATE.	

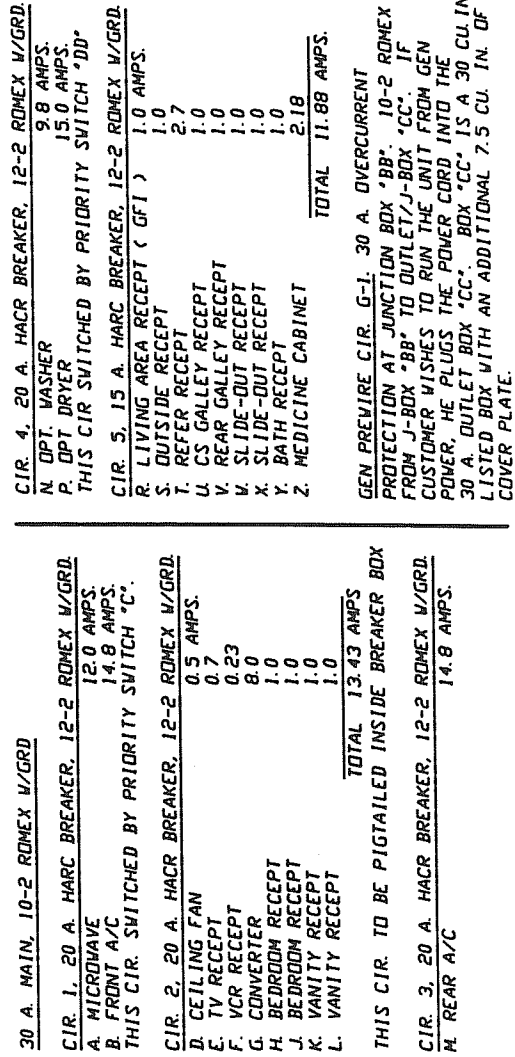
ITEM	PART NUMBER	DESCRIPTION	QTY	UM
TOLERANCES ±				
NEXT ASS'Y				
DRAWN BY Maxwell				
APPROVED BY				
PRODUCT LINE 36'RK - 'C' BATH				
TITLE 110V LAYOUT- 30 AMP- USA				
SCALE 1=30	DATE 03/07/96	DRAWING NUMBER 50007-07	REV. B	A

LET	DATE	E.C.N.	REVISION RECORD	BY
A	5/96	4498-C	REVISED FOR 1997	JM



ITEM	PART NUMBER	DESCRIPTION	QTY	UOM
TOLERANCES ±		INTEGRITY	DRAWN BY	
NEXT ASS'Y			Approved By <i>Wassell</i>	
TITLE		PRODUCT LINE 36' RK - 4" BATH MOD.	APPROVED BY	
		110V LAYOUT- 50 AMP- USA		
SCALE	DATE	DRAWING NUMBER	REV.	
1=30	11/02/95	50007-04	B	A

LET	DATE	E.C.N.	REVISION RECORD	BY
B	5/96	4498-C	REVISED FOR 1997	JM



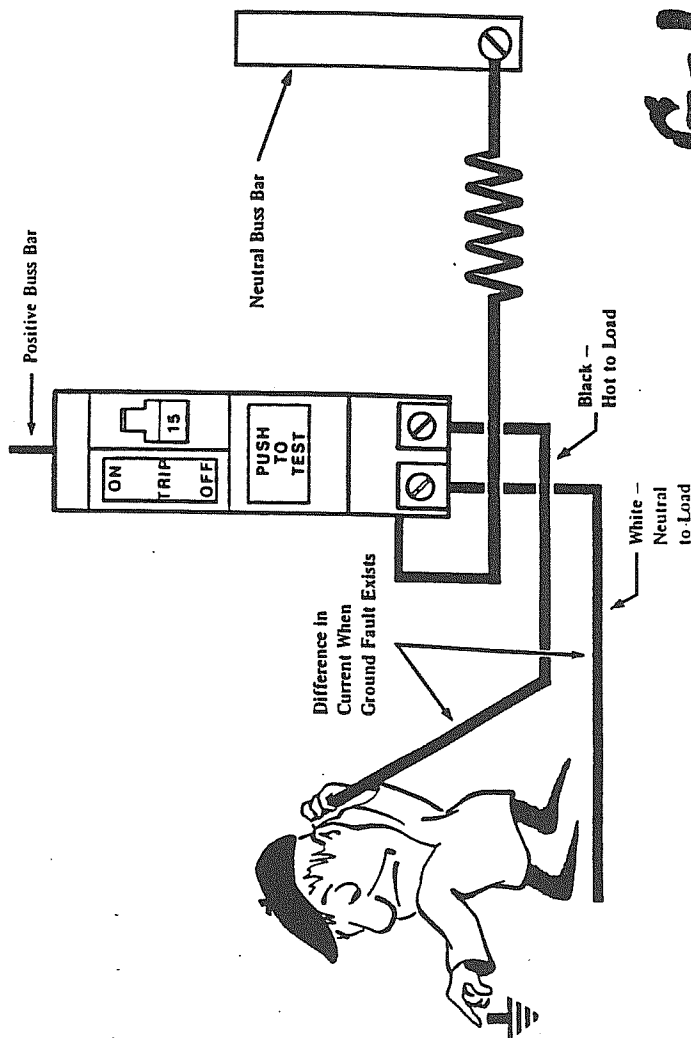
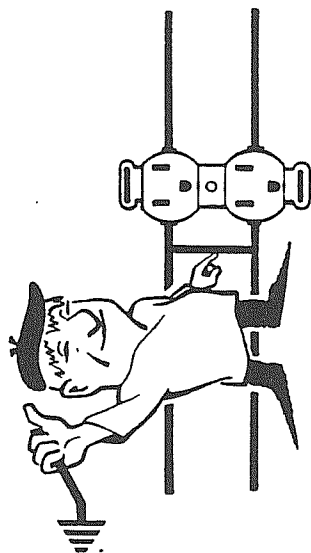
ITEM	PART NUMBER	DESCRIPTION		QTY	UM
TOLERANCES ±	INTEGRITY		DRAWN BY <i>Maaswell</i>	REV. <i>B</i>	
NEXT ASS'Y			APPROVED BY		
PRODUCT LINE 36'RK - "A" BATH MOD.					
TITLE 110V LAYOUT- 30 AMP- USA					
SCALE 1=30	DATE 07/24/95	DRAWING NUMBER 50007-01		REV. <i>B</i>	

# INTEGRITY

5TH WHEEL

110 VOLT - GFCI

## Ground Fault Circuit Interrupter (GFCI)



## Ground Fault Circuit Interrupter (GFCI)

The states of California, Nevada, Arizona and Tennessee require trailers which are sold in their state and which have exterior 120 volt receptacles to have a ground fault circuit interrupter. Trailers manufactured for sale in these states have type THQL 15 amp GFCI breakers installed on the general circuit, since the exterior breaker is on this circuit. This breaker replaced the standard TQL-15 amp breaker.

When properly installed, the GFCI Circuit Breaker provides reliable overload and short circuit protection PLUS protection from Ground Faults that might result from contact with a "HOT" load wire and ground.

**IMPORTANT NOTE** - The GFCI Circuit Breaker will NOT reduce shock hazard if contact is made between a "HOT" Load Wire and a Neutral Wire or 2 "HOT" Load Wires.

Each GFCI Circuit Breaker is calibrated to trip with a ground current of 5 milliamperes or more. Since most persons can feel as little as 2 milliamperes, a distinct shock may be felt if the need for protection exists. However, the shock should be of such short duration that the effects will be reduced to less than the normally dangerous level. However, persons with acute heart problems or other conditions that can make a person particularly susceptible to electric shock, may still be seriously injured.

While the GFCI Circuit Breaker affords a high degree of protection, there is no substitute for the knowledge that electricity can be dangerous when carelessly handled or used without reasonable caution.

**WARNING:** The GFCI Circuit Breaker provides protection only to the circuit to which it is connected. It does NOT provide protection to any other circuit.

**OCCUPANT: MAKE THIS TEST EACH MONTH AND RECORD THE DATE ON THE CHART**

1. With handle B in "ON" position, press PUSH TO TEST button A.
2. Handle B should move to TRIP position, indicating that GFCI Breaker has opened the circuit.
3. To restore power, move handle B to "OFF" and then to "ON".

**IMPORTANT** - If handle B does not move to TRIP position when test button is pressed, the GFCI Breaker Protection is not complete. If this happens, replace GFCI Breaker.

B		A	
ON	15	PUSH TO TEST	
TRIP			
OFF			

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

6-11

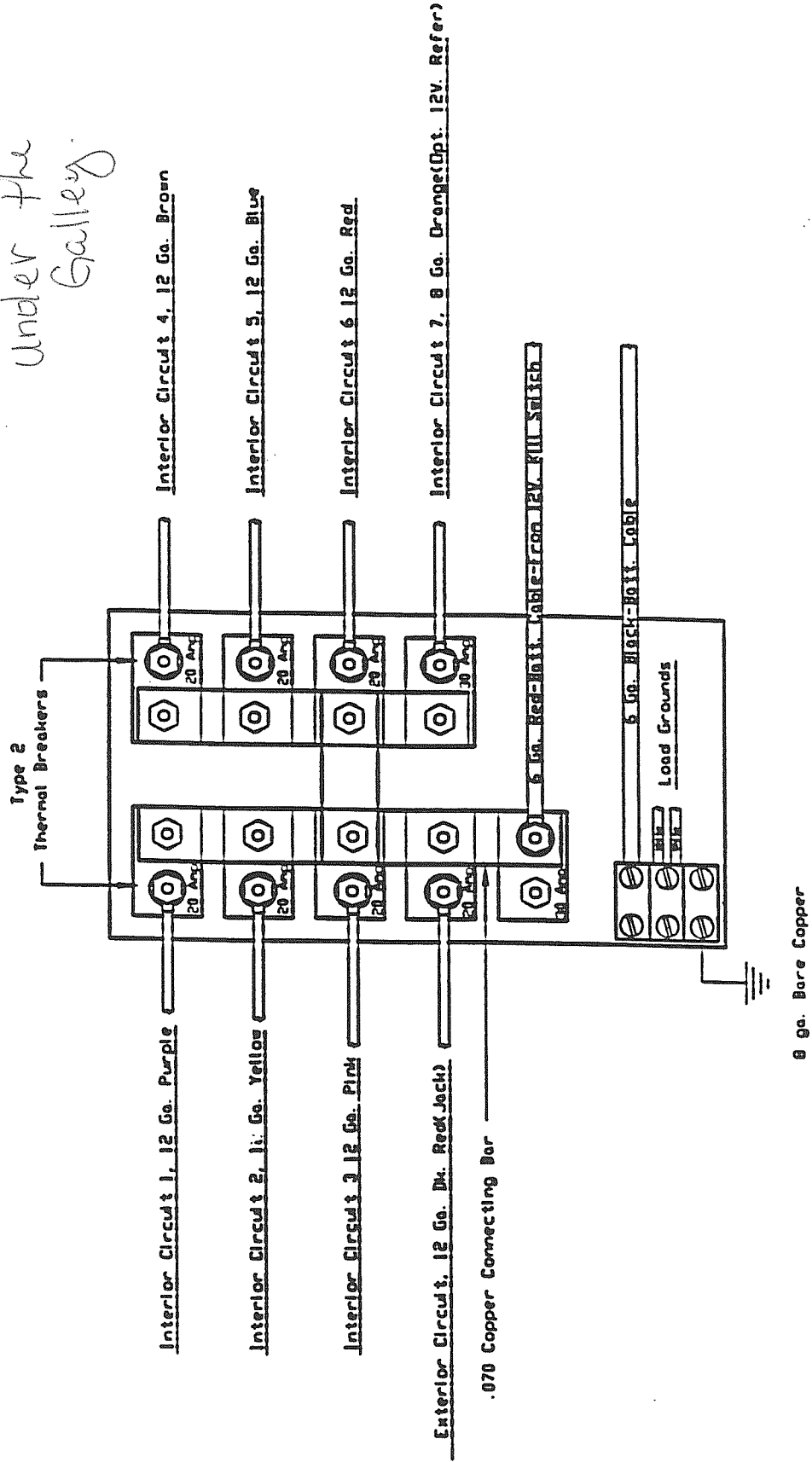


# INTEGRITY

36' CK

## 12 VOLT ELECTRICAL

*Located  
under the  
Galley.*



# INTEGRITY

36' CK- CS S/A BATH

## 12V CALCULATIONS

### CIR. 1, 20 AMP. FUSE 12 GA. PURPLE

#1 FLOUR. CEILING LIGHT	1.40 AMPS.
#2 FLOUR. CEILING LIGHT	1.40
CLOSET LIGHTS (2)	2.10
BEDROOM TV ( OPT )	5.00
FANTASTIC FAN ( OPT )	3.30
VANITY LIGHT	1.00
<b>TOTAL</b>	<b>14.20</b>

### CIR. 2, 20 AMP. FUSE, 12 GA. YELLOW

#3 FLOUR. CEILING LIGHT	1.90 AMPS.
LIGHT - LAVATORY	3.00
BATH FAN	2.00
FURNACE - FRONT	6.50
<b>TOTAL</b>	<b>13.40</b>

### CIR. 3, 20 AMP. FUSE, 12 GA. PINK

LIGHT - OVER SINK	0.90 AMPS
LIGHT - PANTRY	1.05
FURNACE - REAR	6.50
WATER PUMP	7.00
OVEN LIGHT	1.00
REFER LIGHT	1.00
<b>TOTAL</b>	<b>17.45</b>

### CIR. 4, 20 AMP. FUSE, 12 GA. BROWN

LIGHT - LAUNDRY	1.05
FLOOD LIGHTS (3)	6.30
12V. BOOSTER	0.00
<b>TOTAL</b>	<b>7.35</b>

### CIR. 5, 20 AMP. FUSE, 12 GA. BLUE

#4 FLOUR. CEILING LIGHT	1.90 AMPS
#5 FLOUR. CEILING LIGHT	1.90
#6 FLOUR. CEILING LIGHT	1.90
EXTERIOR LIGHT	1.00
GALLEY FAN	2.00
<b>TOTAL</b>	<b>8.70</b>

### CIR. 6, 20 AMP. FUSE, 12 GA. RED

LIGHT - SLIDE OUT LOUNGE	1.90 AMPS.
LIGHT - SLIDE OUT DINETTE	3.40
LIGHT - COMPARTMENT (4)	4.00
WATER HEATER IGNITION	1.00
<b>TOTAL</b>	<b>10.30</b>

### 20 AMP. FUSE, DARK RED CIRCUIT

BREAK-AWAY SWITCH	0.00
HITCH LIGHT	0.50
<b>TOTAL</b>	<b>0.50</b>

### BATTERY CHARGER 3.00 AMPS TOTAL AMP DRAW 74.90

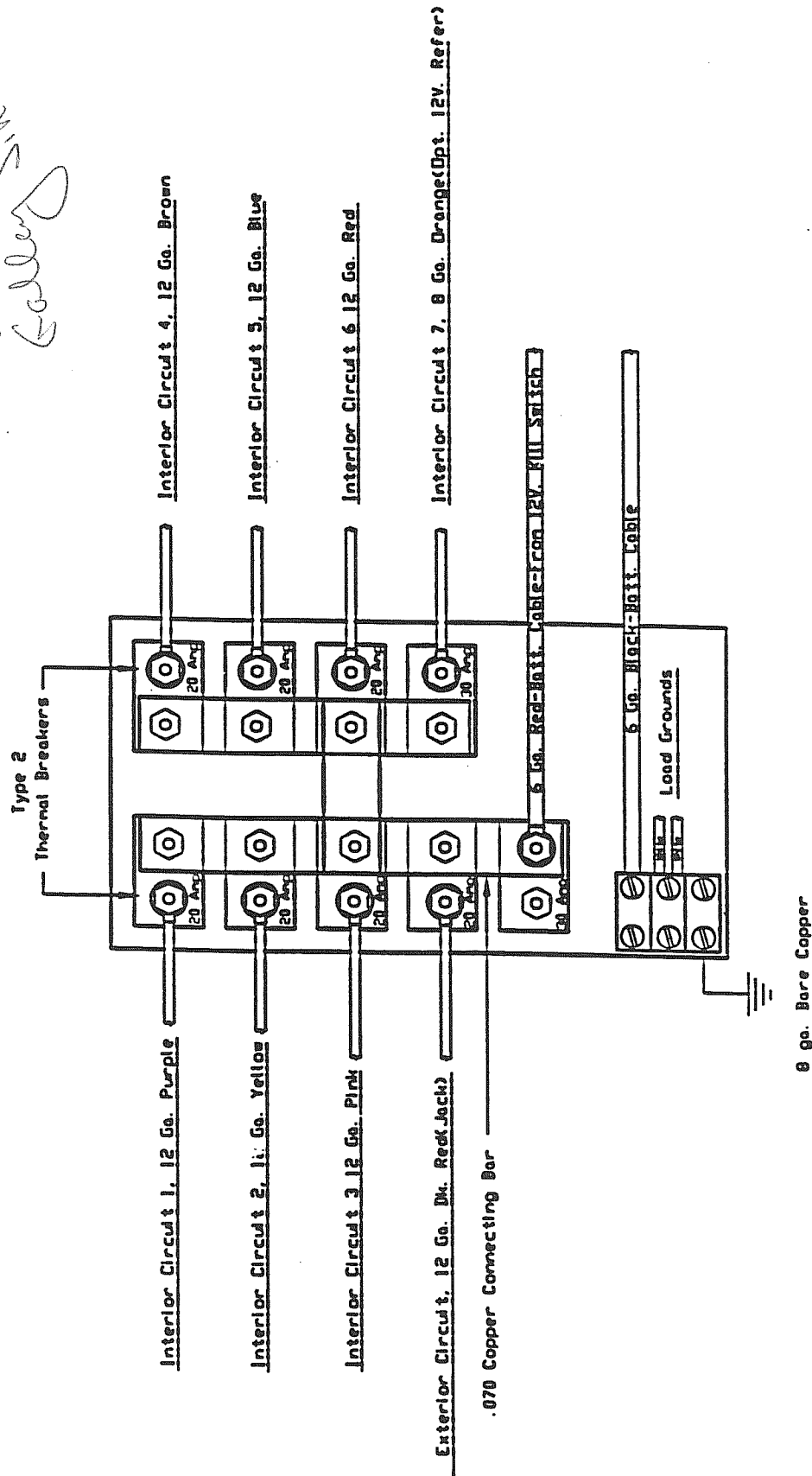
1ST 20 AMPS @ 100°	=	20.00 AMPS
2ND 20 AMPS @ 50°	=	10.00 AMPS
44.90 AMPS @ 25°	=	11.23 AMPS
<b>TOTAL</b>		<b>41.23 AMPS</b>

# INTEGRITY

36' RK

12 VOLT ELECTRICAL

*Located  
under  
Sink  
Galley*



# INTEGRITY

36'RK - CS S/A BATH

## 12V CALCULATIONS

### CIR. 1, 20 AMP. FUSE 12 GA. PURPLE

#1 FLOOR. CEILING LIGHT	1.40 AMPS.
#2 FLOOR. CEILING LIGHT	1.40
CLOSET LIGHTS (2)	2.10
BEDROOM TV ( OPT )	5.00
FANTASTIC FAN ( OPT )	3.30
VANITY LIGHT	1.00
<b>TOTAL</b>	<b>14.20</b>

### CIR. 2, 20 AMP. FUSE, 12 GA. YELLOW

#3 FLOOR. CEILING LIGHT	1.90 AMPS.
LIGHT - LAVATORY	3.00
BATH FAN	2.00
FURNACE - FRONT	6.50
<b>TOTAL</b>	<b>13.40</b>

### CIR. 3, 20 AMP. FUSE, 12 GA. PINK

LIGHT - OVER SINK	0.90 AMPS
LIGHT - PANTRY	1.05
FURNACE - REAR	6.50
WATER PUMP	7.00
OVEN LIGHT	1.00
REFER LIGHT	1.00
<b>TOTAL</b>	<b>17.45</b>

### CIR. 4, 20 AMP. FUSE, 12 GA. BROWN

LIGHT - LAUNDRY	1.05
FLOOD LIGHTS (3)	6.30
12V. BOOSTER	0.00
<b>TOTAL</b>	<b>7.35</b>

### CIR. 5, 20 AMP. FUSE, 12 GA. BLUE

#4 FLOOR. CEILING LIGHT	1.90 AMPS
#5 FLOOR. CEILING LIGHT	1.90
#6 FLOOR. CEILING LIGHT	1.90
EXTERIOR LIGHT	1.00
GALLEY FAN	2.00
<b>TOTAL</b>	<b>8.70</b>

### CIR. 6, 20 AMP. FUSE, 12 GA. RED

LIGHT - SLIDE OUT LOUNGE	1.90 AMPS.
LIGHT - SLIDE OUT DINETTE	3.40
LIGHT - COMPARTMENT (4)	4.00
WATER HEATER IGNITION	1.00
<b>TOTAL</b>	<b>10.30</b>

### 20 AMP. FUSE, DARK RED CIRCUIT

BREAK-AWAY SWITCH	0.00
HITCH LIGHT	0.50
<b>TOTAL</b>	<b>0.50</b>

### BATTERY CHARGER 3.00 AMPS TOTAL AMP DRAW 74.90

1ST 20 AMPS @ 100°	= 20.00 AMPS
2ND 20 AMPS @ 50°	= 10.00 AMPS
44.90 AMPS @ 25°	= 11.23 AMPS
<b>TOTAL</b>	<b>41.23 AMPS</b>

# APPLIANCES AND EQUIPMENT

H-1

*Note: Refer to the individual manufacturer's owner manual for operating instructions on the following equipment.*

*Before operating any gas appliance, make sure the valve on the gas tank is open.*

## WATER HEATER

**Manufacturer:** Atwood Mobile Products  
4750 Hiawatha Drive  
Rockford, IL 61103-1298  
Telephone: 815-877-5700

**CAUTION:** Before lighting water heater, be sure fresh water system is filled. Purge air from water heater by opening all faucets until water flows steadily from each faucet.

**IMPORTANT:** Read Water Heater Operating Instructions before using.

## RANGE AND OVEN

**Manufacturer:** Magic Chef, Inc.  
28812 Phillips Street  
Elkhart, Indiana 46514  
Phone: 219-264-9578

Your range and oven will give you fast, dependable, and economical service using LP gas. The oven provides a complete range of heats and maintains the temperature automatically for baking. The burner flame will vary during these settings.

Your range cleans easily with a warm detergent solution. Naturally, food spillage allowed to remain becomes hard to clean and may clog functional parts.

Carefully consult the instruction manual provided with the range for detailed information.

**WARNING:** Never use the range or oven for extra comfort heating. All the other gas appliances are vented to the outside and safe for continuous use, but the cooking appliances should be used only while cooking and then with one or more vents or windows open.

### GAS/ELECTRIC REFRIGERATOR

**Manufacturer:** Dometic Sales Corporation  
2320 Industrial Parkway  
P.O.Box 490  
Elkhart, Indiana 46514  
Phone: 219-295-5228

**NOTE:** The refrigerator must be level for the cooling system to work efficiently.

The refrigerator requires 12 volt current to operate even if running on LP or 110V modes. The 12 volt is used to power the circuit board that directs the refrigerator functions.

Carefully consult the instruction manual sent with the refrigerator for detailed operational instructions.

**WARNING:** Most LP gas appliances used in recreational vehicles are vented to the outside of the vehicle. When parked close to a gasoline pump, it is possible that gasoline fumes could enter this type of appliance and ignite the burner flame, CAUSING A FIRE OR AN EXPLOSION.

### FURNACE

**Manufacturer:** Hydro Flame Corporation  
1874 South Pioneer Road  
Salt Lake City, UT 84014  
Phone: 801-972-4621

The furnace burns LP gas, and is powered by 12 volt current from the battery or power converter when plugged into city power. The furnace utilizes a sealed combustion system, which means the combustion chamber is completely sealed from the inner atmosphere of your vehicle. Combustion air is drawn from the outside and combustion products are expelled outside through a vent.

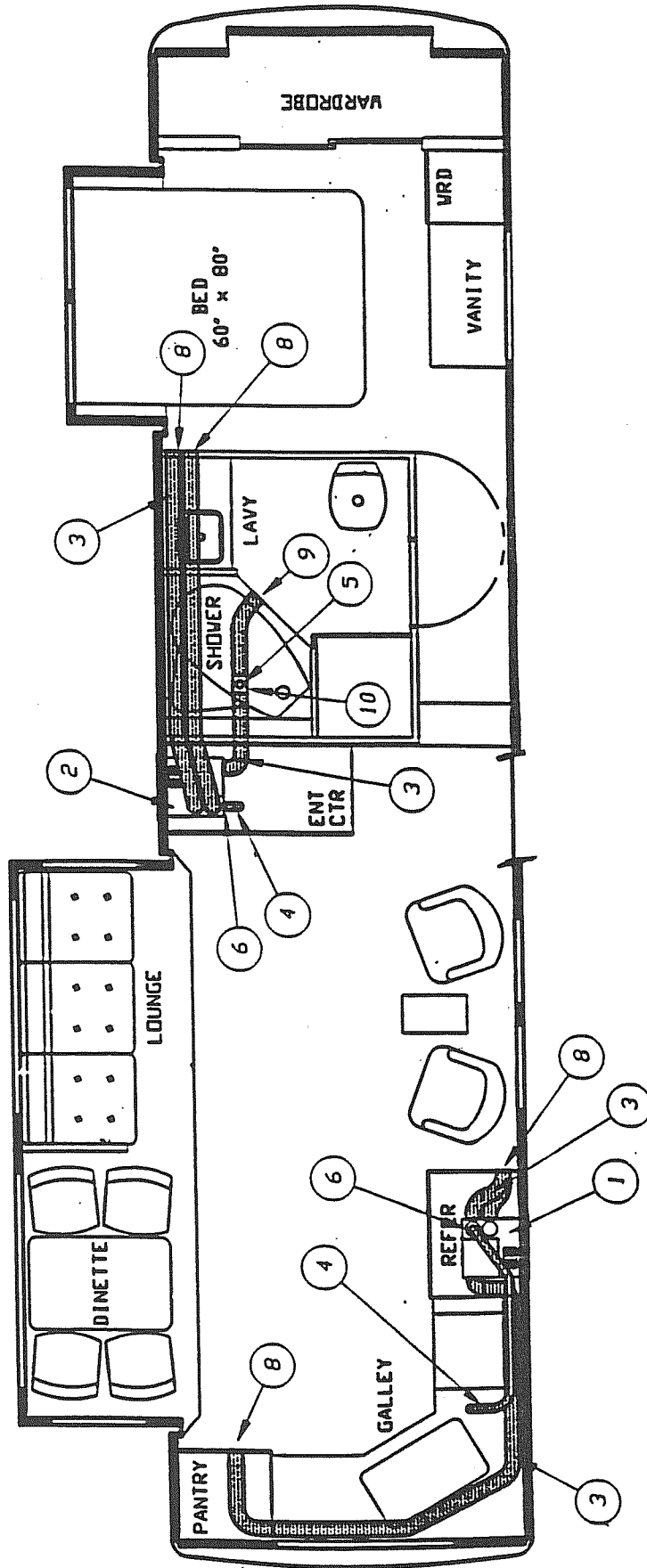
Prior to operating, carefully read and follow the lighting and operating instructions from the furnace manual supplied with the unit.

**WARNING:** Never store flammable material next to the furnace.

# INTEGRITY

36'RK - CS S/A BATH

## HEAT DUCT INSTALLATION



ITEM	DESCRIPTION
10	ROTAIRE - 2' GRILL MODEL - VHT
9	ROTAIRE - 4" REGISTER MODEL - VHT
8	ROTAIRE - 4" GRILL MODEL - VHT
7	ADAPTER - FURNACE COLLAR - 4"
6	ADAPTER - FURNACE COLLAR - 2"
5	TEE - HEAT DUCT - 4 X 4 X 2
4	DUCT - 2' FLEXIBLE HEAT
3	DUCT - 4' FLEXIBLE HEAT
2	FURNACE - HYDROFLAME - 20,000 BTU
1	FURNACE - HYDROFLAME - 25,000 BTU

# SERVICE

I-1

Before leaving the factory each and every vital part of the 5th Wheel is tested for performance. Each test is signed and certified by an inspector. After the 5th Wheel arrives on your dealer's lot all of these systems are again tested. When you take delivery of your new *Integrity* 5th Wheel you will receive a complete checkout from your dealer.

Many experienced RVers will take their trailer out for a weekend of camping a month or so before an extensive trip. This "shakedown" gives them a chance to thoroughly check out the unit and have any repairs made before they "hit the road". You may also discover some of the best camping is not that far from home.

If Warranty service is required, make sure you take your Identification Card with you. The dealer must have the imprint of your card and your signature to obtain his reimbursement from the factory. Keep your list of service requirements concise and complete. Service Managers have many customers to service. If you keep adding to your list as the work is being done, scheduling for the service manager can be a real nightmare. Always check out the repairs immediately, and inform the service manager of any discrepancies.

If you have a service problem that you can't get worked out with the service manager contact the owner or general manager of the dealership and discuss the situation with them. If you still cannot obtain a solution write to the Customer Relations Department, *Integrity* by Airstream, 522 N. Main Street, Jackson Center, Ohio 45334 or phone 513-596-6125. Provide the Customer Relations Department with your name, address, serial number of the trailer, and purchase date. If your trailer was purchased under the name of a business, that information should also be provided.

Service may be arranged at the Factory Service Center by contacting the Service Coordinator at:

*Integrity* by Airstream Service Center  
522 N. Main Street  
Jackson Center, Ohio 45334  
Phone: 513-596-6125



# MAINTENANCE SCHEDULE

J-1

**Note:** See appliance manufacturer's literature

## EVERY 1000 MILES OR 30 DAYS

Escape Window	Check operation of latches and upper hinge
Battery (lead-acid)	Check water level
Smoke Alarm	Test and replace battery as required.
Tires	Check tire pressure ( <u>80 PSI Cold</u> )
GFI Circuit Breaker	Test and record
Hitch	Check for loose bolts or unusual wear. Clean red dot. Lubricate 5th Wheel bearing surface with Lithium base grease. Lubricate pivot point between hitch and side rails with Lithium base grease.

**WARNING:** On new trailers check lug bolts every 200 miles for first 1,000 miles. Torque 115 Ft.Lbs.

## EVERY 5,000 MILES OR 90 DAYS

Exterior Door Locks	Lubricate with dry graphite
Exterior Hinges	Lubricate with light household oil.
LPG Regulator	Check bottom vent for obstruction
LPG Hold Down Latch	Spray latch with WD-40 or equivalent
Main Door Striker Pocket	Coat with paraffin
Wheel Lug Bolts	Torque to <u>115</u> ft. lbs.
Breakaway Switch	Pull pin and lubricate with household oil
9-Way plug	Spray with contact <u>cleaner</u>
Range Exhaust Hood	Clean fan blades and wash filter
Main Door Step	Lubricate moving parts and check

## MAINTENANCE SCHEDULE (CONTINUED)

J-2

### EVERY 10,000 MILES OR 60 DAYS

Brakes	Inspect, adjust or replace as necessary
Hitch	Use 30 weight oil on latch and latch plate
Wheel Bearings	Clean and repack
Tires	Inspect and rotate
Spare Tire Carrier	Lubricate moving parts
Seals, Windows & Doors	Clean with mild detergent and coat with "Silicone".
TV Antenna	Lubricate all moving parts with WD-40
Exterior	Wax
Escape Window	Lubricate latches with WD-40

### EVERY YEAR

Battery	Clean, neutralize and coat terminals with petroleum jelly
Hitch/Step	Wire brush and paint hitch and step frame.
LP Bottles	Have purged by LP supplier
Seams	Check and reseal, if necessary, exterior seams, windows, lights, and vents.
Furnace	Clean blower assembly

# WHEELS AND TIRES

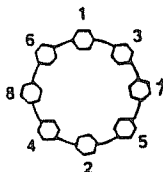
## TORQUE REQUIREMENTS

J-2A

It is extremely important to apply and maintain proper wheel mounting torque on your fifth wheel axles. Torque wrenches are the best method to assure the proper amount of torque is being applied to a fastner. **NOTE:: WHEEL NUT OR BOLTS MUST BE APPLIED AND MAINTAINED AT THE PROPER TORQUE LEVELS TO PREVENT LOOSE WHEELS, BROKEN STUDS, AND POSSIBLE DANGEROUS SEPARATION OF WHEELS FROM YOUR AXLES.**

The proper procedure for attaching your wheels are as follows:::

1. Start all bolts or nuts by hand to prevent cross threading.
2. Tighten bolts or nuts in the following sequence.









3. The tightening of the fastners should be done in stages.  
Following the recommended sequence, tighten fastners as follows::

STUD SIZE	1ST STAGE	2ND STAGE	3RD STAGE
9/16"	40 FT.LBS.	80 FT.LBS.	115 FT.LBS.

**NOTE:: WHEN WHEEL HAS BEEN REPLACED, RECHECK TORQUE AT THE FOLLOWING INTERVALS:::10 MILES, 25 MILES, AND AGAIN AT 50 MILES. CHECK PERIODICALLY THEREAFTER.**

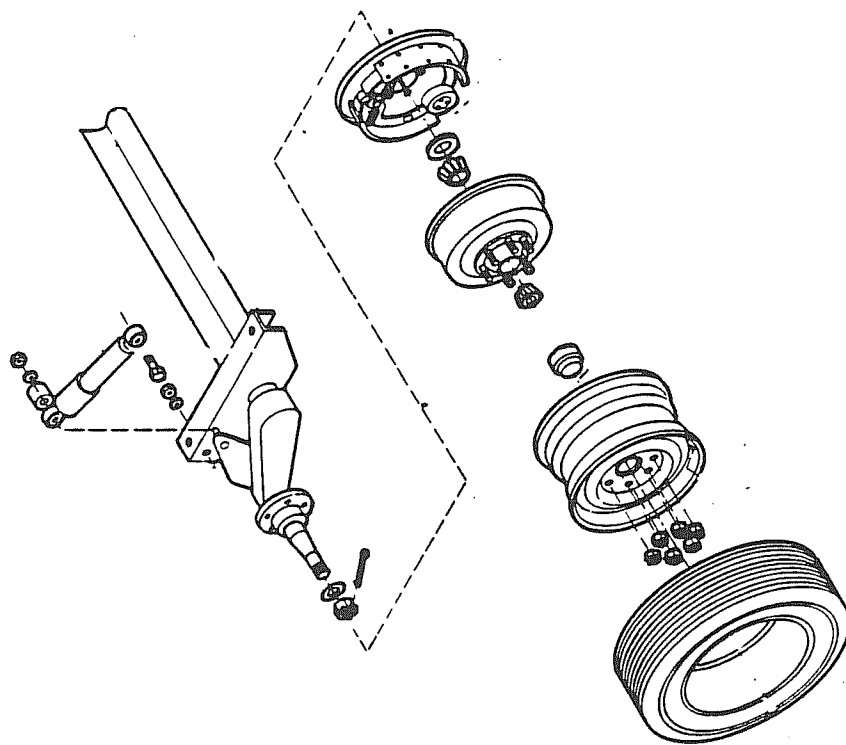
## Tire Wear Diagnostic Chart

Wear Pattern		Cause	Action
	Center Wear	Over Inflation	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 skidding	Avoid sudden stops when possible and adjust brakes.

# INTEGRITY

5TH WHEEL

RUNNING GEAR



# INTEGRITY

5TH WHEEL

RUNNING GEAR

USE OF THE HYDRAULIC AXLE STRAIGHTENER MODEL NO. HB68

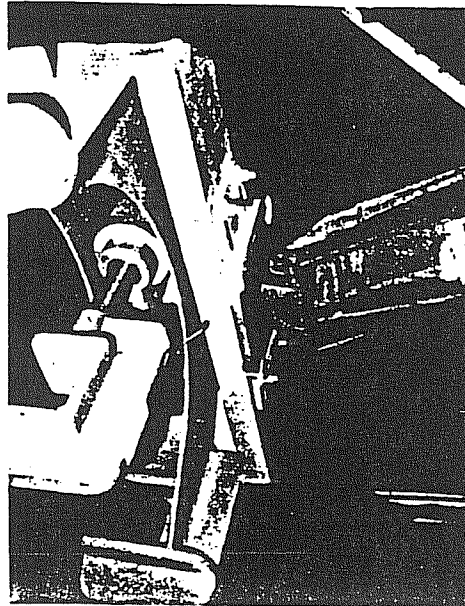
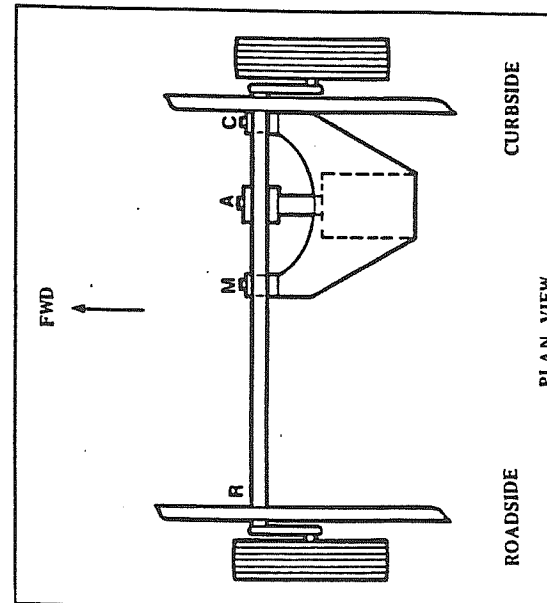


Fig. 20



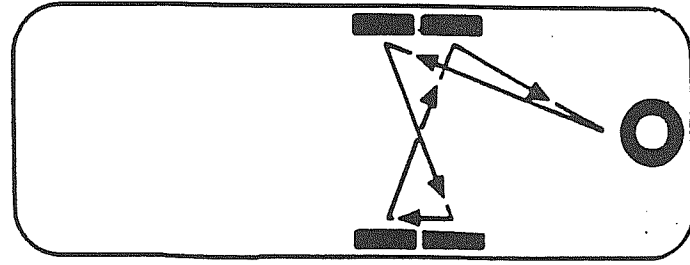
1. Attach straightener to any standard floor jack. (See Fig. 20)
2. Place cylinder jaw (A) at position (C) to correct curbside wheel.
3. Place cylinder jaw (A) at position (R) to correct roadside wheel.
4. Place cylinder jaw (A) at position (M) only when both wheels need to be bent equal amounts in the same direction.
5. Cylinder jaw (A) is moved toward front of the trailer to decrease the amount of toe in.
6. Cylinder jaw (A) is moved toward rear of the trailer to increase the amount of toe in.
7. To determine the amount axle has been bent, place a mark on the underbelly of trailer along axle tube. Hold pencil along tube while bending and place a second mark on underbelly after bending. The distance between these two marks represents approximate movement of the wheel.
8. For use of straightener to correct camber, remove from the jack and swing into a vertical position (hanging on the axle tube). Use in the same manner as for toe in except that moving cylinder jaw up increases camber and moving it down decreases camber. This will require cuffing of underbelly for clearance.

## ALIGNMENT EQUIPMENT REQUIRED

- AMMCO CAMBER GAUGE Model No. 7825
- HENSCHEN TOE GAUGE Model No. TG 68 (with wall rack)
- HYDRAULIC AXLE STRAIGHTENER Model No. HB 68  
(less floor jack)
- FLOOR JACK Model No. 1½ ton
- RAMPS (8" high)

## TIRE ROTATION

FRONT



REAR

# CLEANING INFORMATION

J-5

## EXTERIOR

The exterior side walls of your *INTEGRITY* are laminated fiberglass. There is no magic to caring for your *INTEGRITY*. As a general rule of thumb, we recommend the trailer to be washed about every four weeks and waxed in the spring and fall. To make sure your unit is always protected, you should wax it immediately or have your dealer wax it just prior to delivery. In industrial areas cleaning and waxing should be done on a more frequent schedule.

Always clean your *INTEGRITY* in the shade or on a cloudy day when the skin is cool. Oil, grease, dust and dirt may be removed by washing with any mild non-abrasive soap or detergent. Cleaning should be followed by a thorough clean water rinse. Spots and streaks can be prevented by drying unit with a chamois or a soft cloth.

After cleaning and drying, a good grade of automotive paste or liquid wax will increase the life of the finish, especially in coastal areas where the finish is exposed to salt air, or in polluted industrial areas. It will also protect the shell from minor scratches and make subsequent cleaning easier.

It is important to remove sap, gum, resin, asphalt, etc., as soon as possible after they appear by washing and rewaxing. Sunlight and time will bake-harden these materials, making them almost impossible to remove without heavy buffing. If asphalt remains on the trailer after washing, use a small amount of kerosene on a soft rag and wipe the spots individually, being careful not to scratch the finish.

It is recommended that the caulking and sealant used in external seams and joints such as window frames, light bezels, beltline and rub-rail molding, etc., be checked regularly. If this material has dried out and becomes cracked or checked, or if a portion has fallen out, it should be replaced with fresh material to prevent possible rain leaks. Caulking and sealing material is available from your *INTEGRITY* dealer.

## COUNTER AREAS

The counter areas around the sink are of high-pressure laminate and can be cleaned with soap and water, or you can use a common solvent on tough spots. Be sure no abrasive cleaner is used, as there is a possibility it could scratch the surface. A protective pad should always be placed under hot utensils.

## WALLS AND CABINETS

The vinyl walls of the fifth wheel can be wiped with any mild household cleaner. The wood grain panel also has a vinyl covering for easy care.

**CAUTION:: DO NOT USE ABRASIVE CLEANING MATERIAL ON THE VINYL COVERED WALLS**

### CARPET

The carpet can be cleaned with any good commercial carpet cleaner, or with a detergent and water. **HOWEVER, BE CAREFUL NOT TO SOAK THE CARPET WITH WATER.**

### FABRIC CLEANING

All material should be professionally dry cleaned to remove overall soiled condition. These materials may be spot cleaned, however, using the cleanability code instructions listed. Sample swatches are furnished to our dealers. The dealer will be able to give you the cleaning code and part number for the fabrics used in your INTEGRITY. The following are the cleanability code instruction for the various fabrics.

#### CODE W-S

Fabric care. Spot clean this fabric either with a mild solvent or a water-based cleaning agent. When using a solvent or dry cleaning product, follow instructions carefully and clean only in a well ventilated room. Avoid any product that contains highly toxic carbon tetrachloride. You may also use an upholstery shampoo product or the foam from a mild detergent. With either method, pretest a small area before proceeding. Use a professional furniture cleaner when an overall soiled condition is reached.

#### CODE S

Fabric care. Spot clean, using a mild, water-free solvent or dry cleaning product. Carefully follow instruction on such product. Clean only in a well ventilated room. Avoid any product containing carbon tetrachloride, which is highly toxic. Pretest a small area before proceeding. Use a professional furniture cleaner when an overall soiled condition is reached.

#### CODE W

Fabric care. Spot clean, using the foam only from a water-based cleaning agent, such as a mild detergent or non-solvent upholstery shampoo product. Apply foam with a soft brush in a circular motion. Vacuum when dry. Pretest a small area before proceeding. Use a professional furniture cleaner when an overall soiled condition is reached. The above code was designed by the manufacture of the fabric.

**CAUTION::** Never remove cushion covers for separate cleaning or washing. Any tumble cleaning method can destroy the backing, shrink or otherwise damage upholstery.

**SHOWER STALL**

**To clean your ULTRA/GLAS shower stall unit, use warm water and one of the stronger liquid detergents. Do not use abrasive cleaners; they may scratch and dull the surface of your ULTRA/GLAS unit. Stubborn stains can be removed with solvents such as turpentine, paint thinner or acetone. Restore dulled areas by rubbing with an automotive-type liquid cleaner, then put the glow back into your ULTRA/GLAS unit with a light application of liquid wax. WARNING::DO NOT WAX THE FLOOR OF THE STALL WITHOUT USING A BATH MAT AFTERWARD TO PREVENT A DANGEROUS SLIPPERY FLOOR CONDITION....**



# RV WEIGHT / LOADING

K-1

## RV WEIGHT LABELS:

On the roadside front corner of your 5th Wheel is a RV Weight Label which lists the following three weights on dual axle 5th Wheels.

G.V.W.R.	Gross Vehicle Weight Rating	Total Weight Capacity
G.A.W.R. (Front)	Gross Axle Weight Rating	Front Axle Capacity
G.A.W.R. (Rear)	Gross Axle Weight Rating	Rear Axle Capacity

*WARNING: The gross weight rating is the maximum load carrying capacity allowed by the vehicle or axles. DO NOT overload your vehicle.*

**THERE ARE TWO IMPORTANT FACTORS TO KEEP IN MIND WHEN LOADING YOUR FIFTH WHEEL:      TOTAL WEIGHT AND BALANCE**

At first glance it does not seem logical for the carrying capacity of the vehicle to exceed the total carrying capacity of both axles. The other weight bearing member, besides the axles, is the kingpin. To find the actual weight \* of the 5th Wheel it must be weighed on scales. Scales capable of weighing your 5th Wheel may be found at grain elevators, stone quarries, or at a state operated truck scales along the highway. If you are not sure of the location of scales in your area contact your local state highway patrol post for assistance.

The total cargo you can safely carry in the fifth wheel is the difference between the weight of the 5th Wheel and the Gross Vehicle Weight Rating. For instance, if the GVWR on our 5th Wheel is 6,200 lbs. and the total weight of your 5th Wheel is 4,500 lbs. , you could carry an additional 1,700 lbs. of water, clothes, utensils, etc.

*WARNING: Never add items such as heavy tool boxes or motorcycle racks to the back of the 5th Wheel. Weight behind the axle will tend to magnify any sway that may occur when passing trucks or in gusty wind. If a heavy tool box is mounted on the rear bumper what may have been an almost unnoticeable sway turns into a severe sway you may not be able to control.*

**When loading heavy objects such as tools, golf clubs, boxes of canned goods, etc. keep them as low as possible - preferably on the floor.**

*CAUTION: Damage to your 5th Wheel caused by mounting heavy objects on the rear is considered abuse, and is not covered by warranty.*

## LEVELING / PARKING

L-1

When stopping for the night your *Integrity* is built to be safely parked in any spot that is relatively level and where the ground is firm. YOUR FACILITIES ARE WITH YOU. YOU ARE SELF-CONTAINED. Unless the truck is needed for transportation it is not necessary to unhitch. Try to pick as level a parking spot as possible. STABILIZING JACKS OR BLOCKS probably won't be required for an overnight stay. However, if you put hitch jacks down to take the weight off the truck's springs, it will provide some stability. If you must park on a slope, PARK FACING DOWNHILL. IT IS EASIER TO LEVEL your 5th Wheel this way.

If the site is not an asphalt pad, concrete slab or other prepared surface, be sure it is as level as possible. Be sure the ground surface is not soft and will support the weight of the trailer on the stabilizing jacks or other support devices.

When you plan to stay in the same place for several days, weeks, or months, you will want your *Integrity* 5th Wheel to be as level and steady as possible. Check the attitude with a small spirit level set on the inside work counter or in the refrigerator freezer. If a correction is necessary then YOU MUST LEVEL FROM SIDE TO SIDE FIRST. This can be done easily by backing the 5th Wheel up on a small ramp consisting of 2"x6" boards tapered at both ends. WE DO NOT RECOMMEND PLACING TIRES IN A HOLE FOR LEVELING.

LEVEL FROM FRONT TO REAR by disconnecting the hitch from the truck and adjusting the jacks up or down until you are level. Block or chock the wheels to keep the trailer from rolling. Use the STABILIZING JACKS at the rear corners to eliminate the natural spring action of the axles. STABILIZING JACKS should only be used to stabilize your *Integrity* 5th Wheel, NOT lift it.

*WARNING: Stabilizer jacks on trailers with slide rooms should not be placed at extreme corners of the frame, locating stabilizers in these locations can cause slide room damage should leveling blocks shift or settle.*

Check the level of the *Integrity* 5th Wheel with a carpenter's level both crosswise and lengthwise on the floor. After stabilizing the trailer, be sure the frame is not twisted, buckled, or stressed. Check that all doors and windows operate freely and do not bind.

*WARNING: Whenever the Integrity 5th Wheel must be lifted with a jack, as when changing a tire or leveling on very rough terrain, ALWAYS PLACE THE LIFTING JACK UNDER THE MAIN FRAME RAIL. A label is provided to indicate the proper position for the jack. NEVER USE STABILIZING JACKS TO LIFT THE INTEGRITY 5TH WHEEL.*

Before resuming travel, be sure all stabilizers are removed or fully retracted.

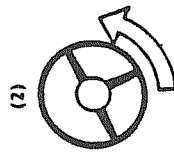
# INTEGRITY

5TH WHEEL

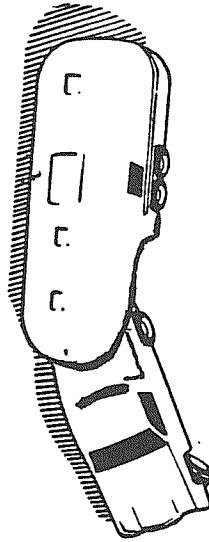
## BACKING UP



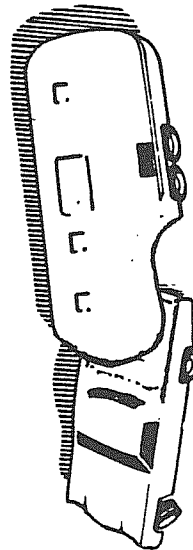
Indicates steering direction



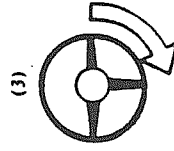
(2)



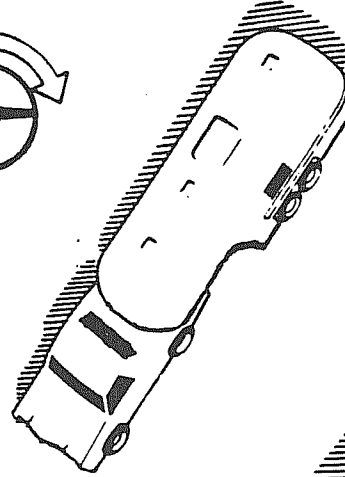
(1)



(A)



(3)



In backing up, the important thing to remember is to do everything slowly and to correct immediately if you see the trailer turning the wrong way. Concentrate on the rear of the trailer. With your car and trailer in a straight line, back up slowly and turn the bottom of the steering wheel in the direction you want the trailer to go. Watch out the window or in the mirror until the rear of the trailer is pointing in the desired direction. Then turn the steering wheel in the opposite direction.

Your car will be following the trailer in an arc. Straighten the car and trailer by turning the steering wheel more sharply, then when they are in line, straighten the steering wheel. Always try to back to your left because the visibility is much better. (See illustration.) When you don't make it on the first try it is usually much easier to pull forward to your original position and start over.

Position (A) start, turning steering wheel as shown in (1) will put you in trailer position (B), turning steering wheel shown in (2) puts you in trailer position (C), steering wheel position (3) returns front wheels for straight backing.

## SLIDE-OUT OPERATION

M-1

The design of the *Integrity* fifth wheel slide-out compartment is intended to make it easy to use while compromising the structure of the vehicle as little as possible.

When setting the trailer up at a campsite, extending the slide out should be one of the last steps. Because of high current draw the trailer should be plugged in. Positioning of the rear stabilizer jacks will keep the slide out from binding in the opening.

*Warning: Stabilizer jacks on trailers with slide rooms should not be placed at extreme corners of the frame. Locating stabilizers in these locations can cause slide room damage should leveling blocks shift or settle.*

With the trailer plugged in to city power, the stabilizer jacks in place, and the travel locks removed, you are ready to extend the room. Located on the front living room wall next to the entertainment center is the Slide-out electrical switch. Depress and hold the control switch until the room is fully extended. Release switch immediately when the room has stopped.

In an EMERGENCY situation, such as in cases where electrical power is interrupted or unavailable, or if you should experience hydraulic system trouble, the slide out can be manually extended or withdrawn with a hand crank. To operate the manual override see instructions on the Hydraulic Pump.

To retract the slide-out, move or rearrange furniture and interior fixtures as necessary to provide clearance for the room to retract into the trailer interior. Press and hold the control switch until the room is fully retracted.

*Warning: Your Integrity 5th Wheel comes with slide-out locking bars. These bars must be put into place when the unit is in tow. Also, before extending the slide-out room these bars must be removed or you will cause damage to the slide-out room.*

**NOTE::** " Locking Bars " are located on top of each slide-out room. These bars must be stored when slide-out room is being used. **DO NOT** store bars on top of slide-out room ( 2-locking bars on living room ,, 1 locking bar on bedroom ). Reposition the locking travel bars approximately 12" from either end on top corners of each slide-out room when preparing to travel or putting unit into storage .

## SLIDE-OUT ROOM TROUBLESHOOTING

M-2

The most common cause of slide-out room malfunction is low battery voltage. be sure the batteries are adequately charged. Reduce the electrical load by turning off all 12-volt lights and appliances when operating slides.

If the trailer is not level, the slide-out room may bind in opening. This puts additional strain on the slide-out mechanism and may damage the trailer.

Slide-out room seals may stick if the room has been in the extended or retracted position for an extended amount of time. This sticking can be reduced or eliminated by using a seal dressing. Do a close visual inspection of these seals at least twice each year - once before the winter season and again each spring. Regular maintenance and replacement of weather seals as soon as required will extend the life and usefulness of your slide-out room. Weather seals which are allowed to remain in service after deterioration will allow rain, snow, or ice to penetrate inside the walls or roof and may cause extensive damage.

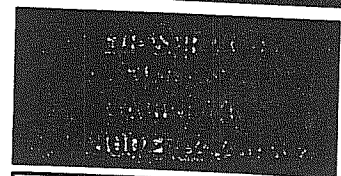
The design of the slide-out room has been made so that when you have the unit parked for storage that you use the slide-out travel bars to ensure a weather tight seal.

Quality components are used throughout your trailer; however, local weather and atmospheric conditions will in time cause rubber and vinyl weather seals to need replacement, which are not covered beyond the term of your Warranty.



**DEWALD  
MANUFACTURING  
INCORPORATED**

1023 WEST EIGHTH STREET • MISHAWAKA, INDIANA 46544 • (219)-255-4776



Ser. #

### **IF SLIDE-OUT ROOMS FAIL TO MOVE:**

Connect jumper cables from a running vehicle battery to the RV battery or to the DEWALD Power Unit.

### **IF ROOMS STILL FAIL TO MOVE, THEY CAN BE RETRACTED WITH THE HAND PUMP:**

1. Turn silver, knurled knob at left counterclockwise 2 turns.
2. Pull out *colored*, knurled knobs above motor and turn them 1/4 turn (they should lock in the "out" position).
3. Insert a tire-iron into Hand Pump lever tube at left and pump room in.

**Once all rooms are retracted, return all knurled knobs to their original positions.**

If you need to add fluid to the system, use standard Automatic Transmission Fluid.

# WINTER STORAGE

N-1

1. Level the unit - front to rear and side to side.
2. Remove bottled and canned goods and other items that could be damaged by freezing.
3. Open all faucets, valves and drains, including toilet stool valve, water heater drain, and line drain. ( see page # E-2 Items # 7 for drain location )
4. Run water pump until water stops flowing from faucets. Shut pump off immediately. Allow drains, faucets, and valves to remain open for several hours or blow all extra water out with air. Be sure lines are empty.
5. Close all faucets, valves, and drains.
6. It is a good idea to use an anti-freeze solution for potable water for more positive protection. Do not use automotive type anti-freeze.
7. Before using vehicle again, you may want to sanitize the system.
8. Completely drain holding tanks.
9. Flush sink, shower-tub, lavatory, stool with a solution of hot water and dishwasher soap. Allow to drain and flush with clean hot water.
10. If possible, agitate the water in the holding tanks by driving a few miles, then drain tanks again.
11. An alternate to step #9 is to use a chemical deodorant. Let mixture stand for a few days, then drain.
12. Flush with fresh water, drain, and, after tanks are dry, close dump valves and drain cap.
13. Fill traps with an anti-freeze approved for use in ABS plastic pipes.  
Normally, a cupful per trap is adequate. Do not use an anti-freeze solution with an alcohol base.
14. Turn the thermostats off on all appliances.
15. Put graphite in all the locks and lubricate all door hinges.
16. Close all windows and roof vents.

# WINTER TRAVELING

O-1

Traveling in sub-freezing temperatures will require certain precautions to protect the plumbing system and your personal belongings from being damaged by freezing.

Whenever possible the heat should be kept on at a constant temperature. It is easier for the furnace to keep a constant room temperature than for the trailer temperature to be allowed to drop to 50 degrees Fahrenheit and attempt to raise it to room temperature.

*WARNING: Always shut off the LP gas when gasoline is added to the tow vehicle.*

Some states do not allow LPG to be turned on while moving. While traveling in these states you must use your common sense. How cold is it? How long will it be before you can turn the heat back on? Is the temperature dropping or rising? Remember when towing, the wind chill factor when driving 50 MPH will cause the interior of the trailer to cool much faster than a trailer that is parked.

When parked in subfreezing temperatures make sure you keep a full supply of LP gas and plug into 110 volt power source whenever possible. A fully charged battery will not last more than 8 to 10 hours if the furnace is running almost constantly and 110 volt power is not available. Of course, if you have a generator you can run it to recharge the batteries, or even use the generator continually.

Minimize use of electricity if 110 volt power source is not available.

Leave cabinet doors, bedroom doors and wardrobe doors slightly open at night to allow circulation of air in and around all furniture components.

Use propylene glycol type antifreeze in waste and drain water tanks to prevent freezing. Quantity of antifreeze needed will vary with ambient temperature and the amount of liquids in tank.

For extended stays in cold weather, insulate the water line outside the *Integrity* 5th Wheel. You should remember that low temperatures in combination with high winds cause an equivalent chill temperature much below what your thermometer is reading. For instance, with an outside temperature of zero degrees, and the wind velocity of 10 miles per hour, the equivalent chill temperature is minus 20 degrees Fahrenheit.

# CONDENSATION

P-1

It is also important to guard against excessive humidity inside your *Integrity 5th Wheel* during winter campouts. When windows and window frames fog up or "sweat," it means that there is too much moisture in the air. Moisture comes from water vapor and water vapor is the direct result of water evaporating.

Many things such as baths and showers, boiling foods, washing dishes, washing clothes, even breathing, contribute to evaporation. The inside air can only absorb so much of this moisture before it becomes saturated. At this point it can hold no more, and any additional water vapor condenses back to liquid water in the form of droplets on any available cool, solid surface. Temperature has a direct effect on the air's saturation point. Cold air holds less moisture than warm air. For this reason, the air immediately adjacent to cold outside walls and windows cools down and cause water vapor to condense and form moisture droplets, even though warmer inside surfaces are still dry.

The best way to keep condensation under control is to reduce moisture producing activities. It is important to provide adequate ventilation and keep the air circulating as much as possible.

Use your exhaust fans to remove moisture before water vapor mixes with the air. Open windows slightly once in a while, while operating fans, to bring in drier outside air and aid in overall air circulation. In extremely cold weather, when outside ventilation is not practical, it may be necessary to use a small dehumidifier to aid in reducing condensation.

There is not a substitute for common sense in cold weather.

*Notes: The Integrity Fifth Wheel is built as a recreational vehicle, and is not intended as a permanent dwelling or for more than temporary use in sub-freezing temperatures.*



## REPORTING SAFETY DEFECTS

Q-1

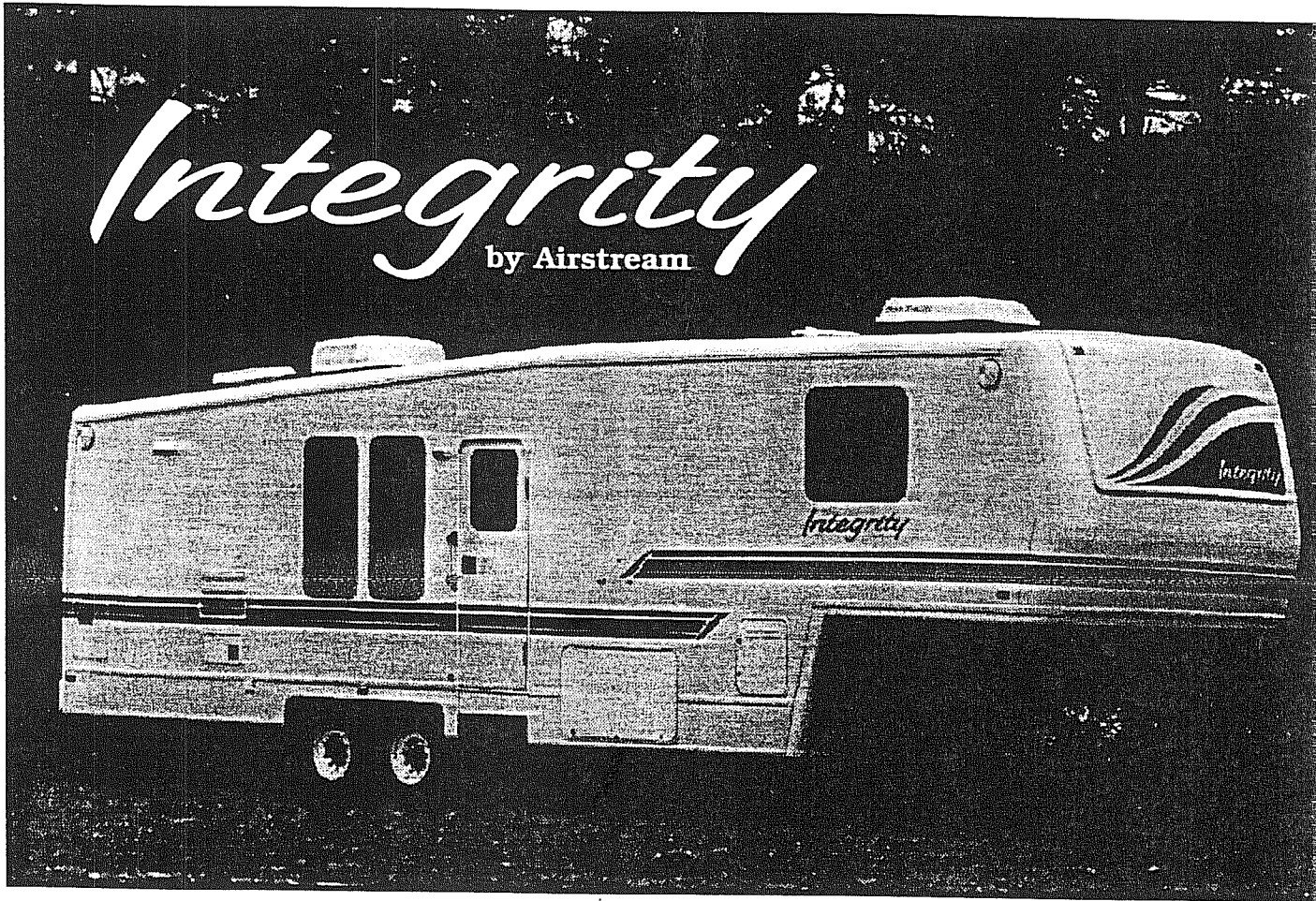
If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying *Integrity* by Airstream.

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 *Integrity* by Airstream.

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

CK

## INTRODUCTION



36' Integrity

# Welcome to the new era of INTEGRITY

It's not just our name: it's our way of doing things. We take pride in our work and truly believe that you will be proud to be a part of our Integrity family now that you have purchased one of our fifth wheels.

The Integrity fifth wheel has been designed and engineered to provide you with the ultimate trailering values of endurance and livability. Your Integrity fifth wheel has been manufactured to meet exacting quality control standards set forth as a reflection of our commitment to building Integrity products with "integrity."

This owner's manual has been designed to assist you in understanding the proper use, operation and maintenance of the various components and systems which have been

designed into your RV to provide the utmost convenience and enjoyment for your family while traveling and camping. Your Integrity fifth wheel is produced with only the finest quality building materials and needs only regular maintenance to preserve appearance and maximize performance.

We realize our customers possess varying degrees of expertise in the area of repairing and maintaining the various systems of their RVs. For this reason, the information found in this manual is directed toward those with average mechanical skills. We also realize you may be more familiar in one area than you are in another. Only you know your capabilities and limitations. We do encourage you to read your manual to familiarize

yourself with the many features and capabilities of your new fifth wheel and to help you avoid unnecessary problems.

The operation of appliances such as refrigerator, furnace, water heater, and others are not explained in detail in the manual. Please refer to the individual manufacturers' owners manuals for operating instructions. Should additional information be required, please contact the appropriate manufacturer.

Due to our policy of continuous product improvement, we reserve the right to change materials, components, specifications and designs without prior notice. Therefore, and when new materials and production techniques are developed which can improve the quality of our product or material substitutions become necessary due to availability, Integrity reserves the right to make such changes.

Again, welcome to the Integrity family. You can be assured that you now own a quality product built with "integrity" by Integrity Airstream.

ship 1830

# • **TABLE OF CONTENTS**

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- **F=DRAIN AND WASTE SYSTEM**
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Welcome to the *INTEGRITY* family of RV owners.

The Owners Manual for your new *INTEGRITY* 5th Wheel is designed to answer the most commonly asked questions regarding the operation, function and care of the many systems that make traveling with your RV a pleasure.

We want you to use this manual, and hope you will find the information contained in it useful; however, should you ever feel you need more technical advice, please contact your dealer.

All information, illustrations and specifications contained in the literature is based on the latest product information available at the time of publication approval. Detailed information is supplied by the manufacturers of the appliances, and can be found in your "Owner's Packet".

Your new *Integrity* comes with two towel bars, a towel ring, tooth brush holder, soapdish, two shower heads and hoses. Also, the TV controller, VCR Controller (if you ordered the optional VCR), and Home Stereo controller are all contained in your *Integrity* Customer Preference Box. Your dealer will gladly install these items at no cost to you in your preferred location. Once these items are installed you may use the Customer Preference Box as you please.

Throughout this manual CAUTION and WARNING notations are used. Failure to observe "*caution*" can damage equipment. "*Warning*" notes the possibility of personal injury if not observed.

*Note: If and when new materials and production techniques are developed which can improve the quality of its product, or material substitutions are necessary due to availability. INTEGRITY reserves the right to make such changes.*

# **LIMITED WARRANTY**

## **1996 INTEGRITY 5th WHEEL**

**B-1**

### **WARRANTY COVERAGE**

When you buy a new *INTEGRITY* 5th Wheel from an authorized dealer, *INTEGRITY* warrants the trailer from defects in material and workmanship as follows:

### **WARRANTY PERIOD**

The Warranty is for one year from the date of the original retail purchase.

### **ITEMS COVERED**

Any part of the 5th Wheel trailer or any component equipment installed by the factory is covered by the warranty except the following items which are not covered:

- \* Furnace(s)
- \* Generator
- \* Air Conditioner
- \* Refrigerator
- \* Washer/Dryer
- \* Microwave
- \* TV, Radio, and Cassette Players
- \* Tires
- \* Battery
- \* Fuses and Light Bulbs

The above items will be handled by their respective service points and according to their written policy. This limited warranty does not include failure caused by accident, abuse, normal wear, overload or any cause not attributable to a defect in original material or workmanship of the 5th Wheel or component equipment installed by the factory.

# ● WARRANTY EXPLANATION

B-2

Along with your new *Integrity* 5th Wheel you have purchased the *Integrity* Limited Warranty. Read your Limited Warranty carefully. It contains the entire agreement with respect to *Integrity's* obligation on the Limited Warranty on your new vehicle. The terms of the Limited Warranty, and only those terms, will define *Integrity's* responsibility. When you receive your Limited Warranty file it for safekeeping.

Upon proof of purchase date to any *Integrity* Dealer Service Center, defects in materials or workmanship will be repaired or replaced without cost to the owner for a period of twelve (12) months from the original purchase date.

Items such as tires, batteries, generator are serviced by their respective manufacturers and will be handled by their service centers according to the terms of their written policy. Any warranty forms from these manufacturers should be completed promptly, preferably at time of purchase.

Paint and appearance items which show imperfections should be brought to the attention of your dealer at the time of delivery and during pre-delivery inspection. Normal deterioration by use and exposure is not covered by the *Integrity* Limited Warranty.

Damage to enameled or porcelain surfaces resulting from abrasion, collision or impact, and broken window glass is not covered by the *Integrity* Limited Warranty.

## THE *INTEGRITY* LIMITED WARRANTY EXCLUDES:

### NORMAL WEAR

Items such as water purifier packs, curtains, upholstery, floor coverings, window, door and vent seals may show wear within the one year Limited Warranty period depending upon the amount of usage, weather and atmospheric conditions.

### ACCIDENT

Damage caused by accident is usually visible, and we strongly urge our dealers and customers to inspect the 5th Wheel upon delivery for any damage caused by accident while being delivered to the dealer, or while it is on the dealer's lot. Damage of this nature becomes the dealer's or your responsibility upon acceptance of the 5th Wheel. GLASS BREAKAGE, whether obviously struck or mysterious, is always accidental and covered by most insurance policies.

## ABUSE

B-3

Lack of customer care and/or improper maintenance, including failure to comply with the terms of the Owner's Manual, or failure to heed proper care are not covered by warranty.

## EXPOSURE

Deterioration by sunlight is possible to such items as tires, curtains, or upholstery. Steel or metal surfaces are subject to the elements causing rust and corrosion which is normal and beyond the control and responsibility of *Integrity*.

## OVERLOAD

Damage due to loading beyond capacity or to cause improper balance is not covered by the *Integrity* Limited Warranty. The *Integrity* 5th Wheel is engineered to properly handle any normal load. There are limits to the amount of load that can be safely transported depending upon speed and road conditions. If these have been exceeded the *Integrity* Limited Warranty will not cover resulting damage. For additional information on the load capacity consult your Owner's Manual under the section "RV Weights & Loading"

## ● LIMITATIONS OF IMPLIED WARRANTIES

All warranties of merchantability and fitness for a particular purpose, whether written or oral, express or implied, shall extend only for a period of one year from the date of original purchase. There are no warranties which extend beyond those described on the face hereof and expressly excludes conditions resulting from normal wear, accident, abuse, exposure or overload. *Some states do not allow limitation on how long an implied warranty lasts, so the limitation may not apply to you.*

### INTEGRITY'S RESPONSIBILITY

The *Integrity* Limited Warranty applies for a period of one year from the date of the original purchase and the applicable date of all warranties is that indicated on the Owner's Identification Card. Defects in items covered under this warranty will be corrected without cost upon the return at the owner's expense of the 5th Wheel or defective part to an authorized *Integrity* dealer.

### CARE AND MAINTENANCE

This warranty covers only defective material and/or workmanship; adjustments and checking are excluded. All adjustments are made at the factory prior to shipment, and rechecked by the dealer prior to delivery to the customer. Adjustments thereafter become a customer responsibility.

The owner is also responsible for following all recommendations, instructions, and precautions contained in the *Integrity* Owner's Manual and the individual manuals furnished by the appliance and other manufacturers.

### INSTALLATIONS NOT COVERED

*Integrity* does not accept any responsibility in connection with any of its 5th Wheels for additional equipment or accessories installed at any dealership or other place of business, or by any other party. Such installation of equipment or accessories by any other party will not be covered by the terms of this warranty.

### IF REPAIRS ARE NEEDED

If your 5th Wheel needs repairs under the terms of the *Integrity* Limited Warranty, you should:

1. Take your 5th Wheel to your selling dealer or another authorized dealer
2. If the dealer is incapable of making the repair, request that he contact the Service Administration Department at *Integrity* for technical assistance.



3. If repairs are still not made, the customer should contact *Integrity* by Airstream, 522 N.MainStreet, Jackson Center, Ohio 45334, Attn: Owner Relations Dept., and furnish the following information.
  - \* The complete serial number of the 5th Wheel
  - \* Date of original purchase
  - \* Selling Dealer
  - \* Nature of service problem and steps or service which have been performed may be directed to another dealer at the owner's expense.)
4. If, after taking the above steps, repairs are still not complete, the *Integrity* owner may request the 5th Wheel be brought back to the Factory Service Center at the owner's expense.

#### DEALER REPRESENTATION EXCLUDED

The full extent of *Integrity's* Limited Warranty is set forth in detail in this folder, and in the Explanation of *Integrity* Limited Warranty covered in the Owner's Manual. *Integrity* will not be responsible for additional representations or implied warranties made by any of its dealers to the extent those representations are not a part of, or are contrary to, the terms and conditions of the *Integrity* Limited Warranty.

#### CONSEQUENTIAL AND INCIDENTAL DAMAGES

*Integrity* will not be responsible for any consequential or incidental expenses or damages resulting from a defect. Incidental expenses include, but are not limited to, travel expenses, gasoline, oil, lodging, meals, telephone tolls, loss of work and loss of use of the 5th Wheel. Some examples of consequential damages would be: stained curtains due to rain leaks or delaminated floor caused by a plumbing leak. In the event of a defect, the owner must take all reasonable corrective action to lessen the damages which might result from such a defect. *Integrity* will not be responsible for damages which could have been avoided. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

#### WARRANTY TRANSFER

This limited warranty is transferable to subsequent owners for the duration of the warranty period. Warranty transfer application forms are available from your dealer or the *Integrity* Service Administration Department.

#### CHANGES IN DESIGN

*Integrity* reserves the right to make changes in design and improvements upon its product without imposing any obligation upon itself to install the same upon its product theretofore manufactured.

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

# LPG SYSTEM

D-1

Your 5th Wheel trailer is equipped with two tanks for LPG (Liquid Petroleum Gas). They are located in the forward, roadside or curbside storage compartment depending on the bathroom configuration. LPG burns readily with a clean blue flame and yields a great deal of heat energy. Under proper conditions and careful handling it is safe, economical and ideally suited for use where conventional fuels are not easily utilized. A strong odor has been added to the gas for safety.

There are two basic types of LPG in common usage: Butane and Propane. Butane should be used only where temperatures are normally above freezing the year round. Butane will convert to a gas only at temperatures above 32 degrees Fahrenheit and will not function as a fuel below that. Propane, on the other hand, can be used as a fuel even at subfreezing temperatures as low as -40 degrees Fahrenheit. Both butane and propane gases are heavier than air. When released they flow downhill like water and will tend to fill depressions. Both diffuse readily and will dissipate quickly into atmosphere if adequate ventilation is provided to allow a downward flow.

*CAUTION: LP gas is highly flammable and is potentially explosive if improperly handled. It is not poisonous, but will induce drowsiness and may cause suffocation. Under ordinary circumstances, breathing small amounts should not be harmful. Use extreme caution, and see that others do, when filling the storage tank. There should be no flame or spark or anything which might induce a spark within at least 25 feet of the filling operation. (NO SMOKEING)*

## AUTOMATIC GAS REGULATOR

All models are equipped with an automatic gas regulator. Both tanks are connected to this regulator. Open both tank valves completely, then close about 1/4 turn. This will allow you to easily check to see if valves are opened or closed.

When the gas is turned on it is drawn from only one tank at a time. When the tank being used is depleted the regulator automatically switches to the full tank. An indicator on the regulator knob points toward the tank which was being used to give you a visual reminder when one tank is empty.

*Notes: The tank in use is not completely empty until the red warning flag is fully visible in the indicator window. The empty tank can be removed for refilling without disturbing the tank being used.*

*WARNING: LP gas regulators must always be installed with the diaphragm vent facing downward.*

## FILLING LP GAS BOTTLES

D-2

When your LP gas tank is empty, have it refilled as soon as possible.

1. Make sure the arrow on the cylinder selector is pointed to the full cylinder.
2. Close the valve on the empty cylinder and remove the nut from the valve.  
(*Note: Left Hand Thread*)
3. Loosen the clamp that holds cylinder in place.
4. Remove the cylinder and have it refilled.
5. Slide the cylinder back in place and tighten clamp.
6. Connect the left-hand nut and tighten securely.

**WARNING:** Only use the gas bottles furnished with your Integrity 5th Wheel trailer. If a replacement is required it must be a bottle of the same size and design.

**WARNING:** Your LP tanks must be filled as directed by the tank manufacturer. Instructions are located on a decal near the fill valve. The decal must not be defected.

**WARNING:** Your LP tank must be, and can only be, placed in the proper position when remounting. In any other position the base of the tank will not fit into the recess.

**WARNING:** The vent at the bottom of the regulator must be kept free of any obstructions and must be pointed downward. A good habit is to check the vent each time a bottle is removed for filling. It is especially important to check the vent if your Integrity 5th Wheel has not been used regularly.

### PRECAUTIONS & RECOMMENDATIONS

- Inspect LP fill valve for foreign material before refilling bottle.
- Shut off tow vehicle and Pilot lights when refilling gas tanks.
- Never check for gas leaks with open flame match, etc.
- Visually inspect gas lines for any problem periodically.

#### **WARNING: IF YOU SMELL GAS:**

- Extinguish any open flames, pilot lights and all smoking materials
- Do not touch electrical switches
- Shut off the gas supply at the tank valve(s) or gas supply connection.
- Open doors and other ventilating openings.
- Leave the area until odor clears.
- Have the system checked and leakage source corrected before using again.

**WARNING:** The LP Gas System in your Integrity 5th Wheel is designed for Liquefied Petroleum Gas only. NEVER attempt to connect natural gas to this system.

## BASIC RULES FOR SAFETY

D-3

**WARNING:** Do NOT store LP containers within vehicle. LP containers are equipped with safety devices that vent gas should the pressure become excessive.

**WARNING:** Do NOT use cooking appliances for comfort heating. Cooking appliances need fresh air for safe operation. Before operation open overhead vent or turn on exhaust fan and open window.

*A warning label has been located in the cooking area to remind you to provide an adequate supply of fresh air for combustion. Unlike homes, the amount of oxygen supply is limited due to the size of the 5th Wheel, and proper ventilation when using the cooking appliance(s) will avoid dangers of asphyxiation. It is especially important that cooking appliances not be used for comfort heating as the danger of asphyxiation is greater when the appliance is used for a long period of time.*

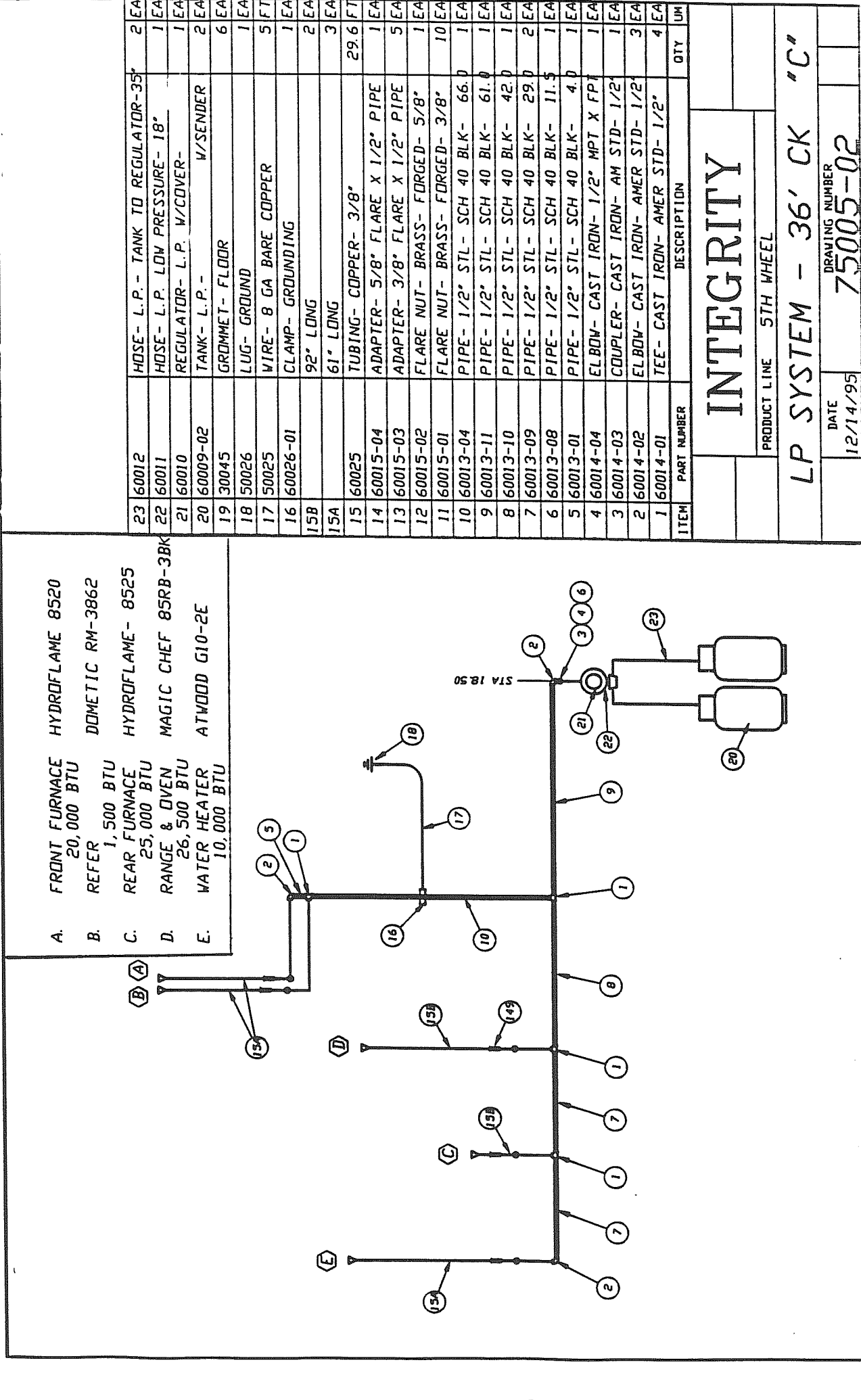
**WARNING:** Portable fuel-burning equipment, including wood and charcoal grills and stoves, shall not be used inside the recreational vehicle. The use of this equipment inside the recreational vehicle may cause fires or asphyxiation.

**WARNING:** A warning label has been located near the LP gas container. This label reads: **DO NOT FILL CONTAINER(S) TO MORE THAN 80 PERCENT OF CAPACITY.** Overfilling the LP container can result in uncontrolled gas flow which can cause fire or explosion. A properly filled container will contain approximately 80 percent of its volume as liquid LP gas.

**WARNING:** Do NOT bring or store LP gas containers, gasoline, or other flammable liquids inside the vehicle because a fire or explosion may result.

**PLAY IT SAFE AT ALL TIMES.** If a leak is suspected, turn off tank valves immediately. Follow recommended procedures to locate leak or ask LP dealer to do it. Although the entire system and its attached appliances have undergone extensive factory testing for leaks, with normal use being subject to road vibrations, connections and fittings can develop leaks. Usually you can detect these leaks by the strong odor. If you do encounter this odor, turn off all open flames immediately and commence a systematic search for leaks throughout the gas system. Use a bubble solution or soapy water - **NEVER A MATCH** - on connections. Use two wrenches with opposing torque to prevent twisting of copper tubing distribution system, then check the appliances.

Do NOT tamper with the LP gas piping system, pressure regulator or appliances. Exercise caution when drilling holes or attaching objects on walls. Be sure appliance, plumbing and outside vents are open and free from obstructions such as ice and snow.



INTEGRITY

PRODUCT LINE 5TH WHEEL

LP SYSTEM - 36' CK "C"

DATE 12/14/95  
DRAWING NUMBER 75005-02

## WATER SYSTEM - SELF CONTAINED

E-1

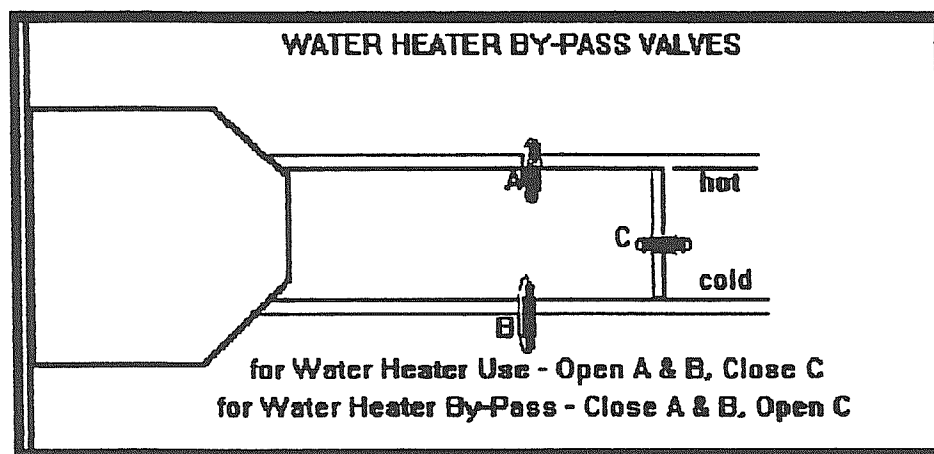
Fill the water tank by opening the exterior door marked water fill and remove screw cap. A garden hose can now be inserted. It's a good idea to let the water run through the hose for a short time to flush it out. The amount of water in the tank may be checked on the Monitor Panel, or you may fill the tank until water overflows out of the fill.

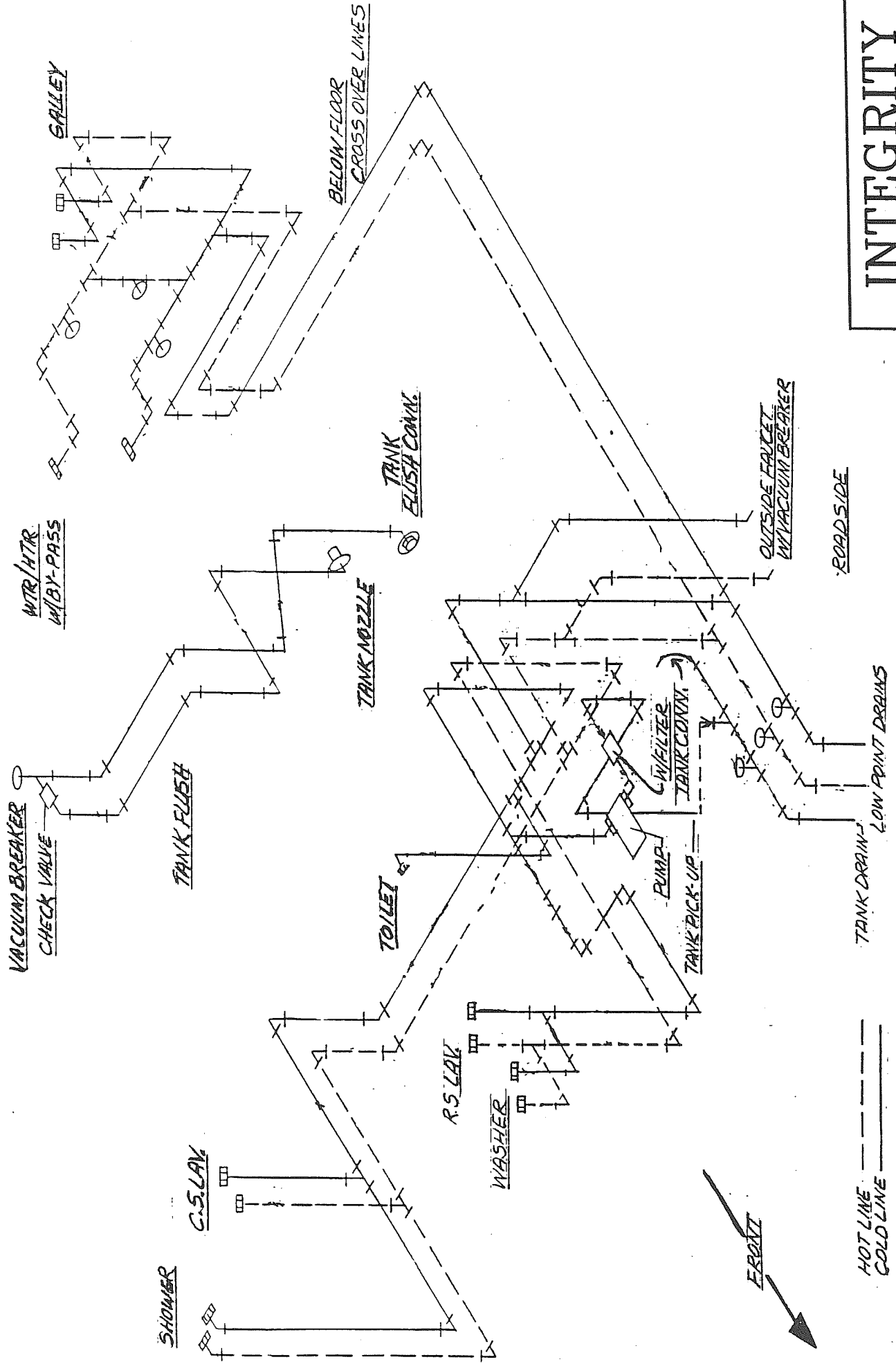
Turn water heater by-pass valves to normal flow, open valves A and B (See Diagram Below). Close Valve C. For winterizing, C would be opened while A and B are closed. Access to the valves vary by model, ask your dealer to show you the location of the access in your particular unit (e.g. 36RK - access behind the drawer boxes in the galley)

Open the hot side of the galley or lavatory faucet and turn on the water pump switch located on the monitor panel. For some time the open faucet will only sputter. This is because the water heater is being filled and air is being pushed out through the lines. Once the water heater is full a steady stream of water will come from the faucet. Now open a cold faucet. It will sputter for a short time, but will soon expel a steady stream. All other faucets can now be opened until all air is expelled.

Once the system is filled with water and the faucets closed, the water pump will shut off. When a faucet is opened the pump will come back on automatically. If the faucet is just barely open it is normal for the pump to cycle on and off rapidly.

*Caution: The water pump must be turned off when hooked up to city water supply and when you leave your Integrity 5th Wheel unattended.*





# INTEGRITY

36'CK - 'C' BATH MOD.

FRESH WATER SYSTEM

## DRAIN AND WASTE SYSTEM

F-1

The drain and waste system of your Integrity 5th Wheel includes waste holding tanks made from molded plastic. The BLACK HOLDING TANK enables you to use the toilet for several days away from disposal facilities. The waste water from the sink, shower, and bath and lavatory drain into the GRAY 1 HOLDING TANK. Drain water from kitchen sink drains into the GRAY 2 HOLDING TANK. Each tank has its own dump valve; however, all tanks drain through a common outlet. Therefore, you need to make only one connection when hooking up in a trailer park with sewer facilities.

### When Parked and Connected to Sewer Outlet

When you are in a park and connected to a sewer outlet, keep the main holding tank dump valve closed, and empty the tank every few days or whenever it becomes almost full. ONLY BY SENDING A LARGE VOLUME OF LIQUID THROUGH THE MAIN HOLDING TANK AT A TIME WILL TOILET PAPER AND OTHER SOLIDS BE COMPLETELY WASHED AWAY.

This practice will avoid the accumulation of solids in the main holding tank, which could lead to an unpleasant cleaning job. Should solids accumulate, close the dump valve, fill the tank about half full of water, then tow the trailer for a few miles. The turbulence and surging of the water will usually dissolve the solids into suspension so the tank can be drained. Keep the auxiliary tank valve open when connected to a sewer outlet.

Draining the tanks as described will protect them from freezing during storage. When traveling in sub-freezing temperatures, use a winterizing solution designed for RV use. Follow the directions on the container.

**CAUTION::** Never put wet strength paper towels or tissues in your holding tank, since they won't dissolve and can catch in the mechanism of the dump valve. Colored toilet tissue is slower to dissolve than white. Most RV accessory stores offer tissue, designed for RVs, that will completely dissolve.

To empty all tanks, attach the sewer hose by pressing the bayonet fitting onto the outlet adapter and rotate clockwise until it feels solid and secure. Attach the outlet end of the hose to the sewage outlet, making sure that the hose is placed so that it will drain completely. The dump valves are located on the ROADSIDE of your unit. Pull the dump valve handle out as far as it will go and wait until the tank is drained. If the gray tanks are drained after the waste tank, the soapy water will help keep the sewer hose and outlet clean.



The black holding tank must be flushed out until all paper and waste material is removed. Close the dump valve and refill the tank with 5 to 10 gallons of clean water and repeat until clean.

In the utility compartment on the roadside is a water hose connector marked "black tank flush." To use, hook up hose and turn on full force. Within the tank a spray head with a multiple-holed head will spray the interior surface of the tank.

The gate valve should be closed for the first couple of minutes, then opened to let the water out in a rush. Repeat as needed.

#### **Drain System Cleaning**

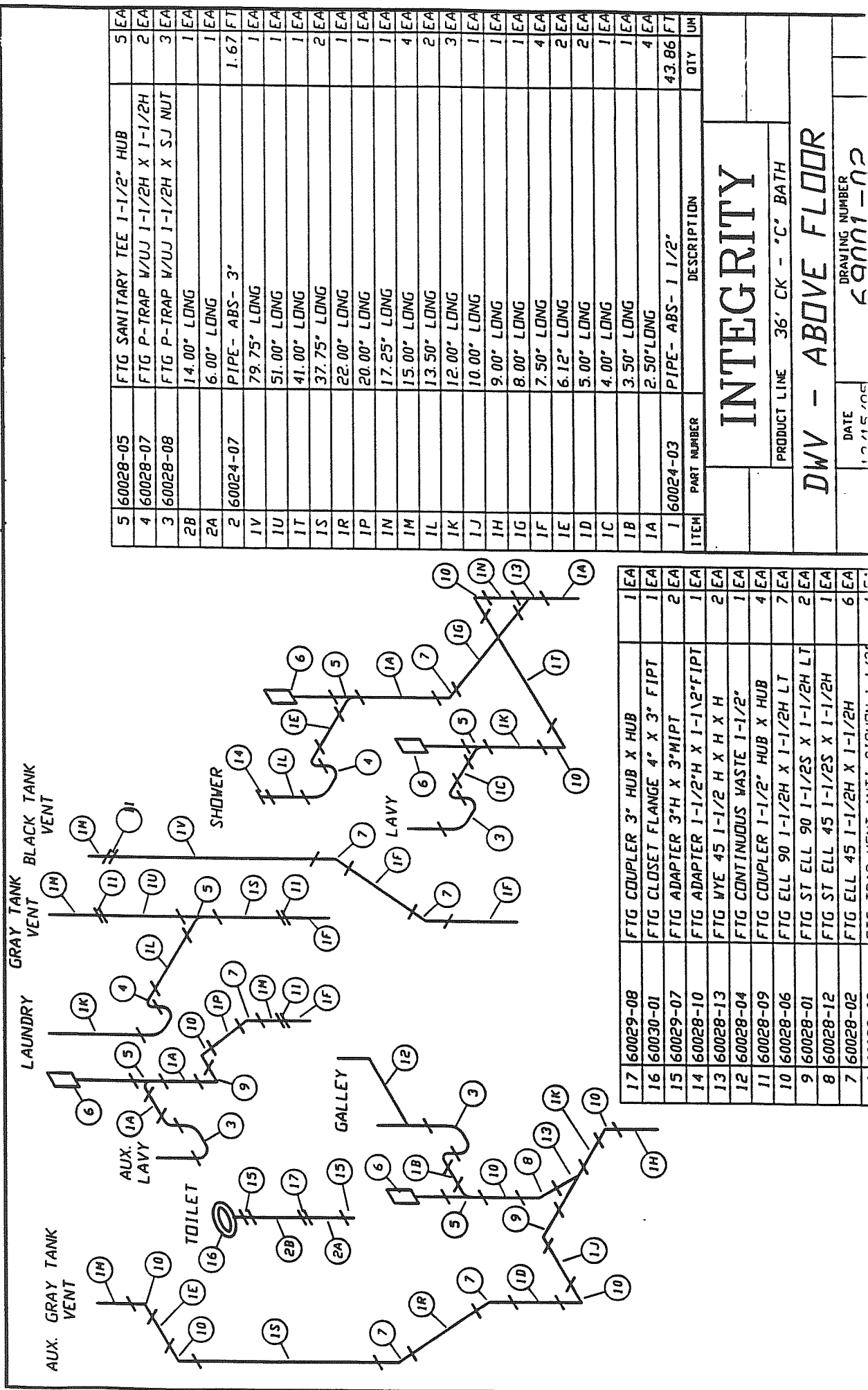
There are many deodorizers on the market in tablet, liquid, and powder form. These not only combat odor, but stimulate the bacteria that works to dissolve the solids in your tank. Picking a deodorizer with lubricating qualities will ease slide valve operation.

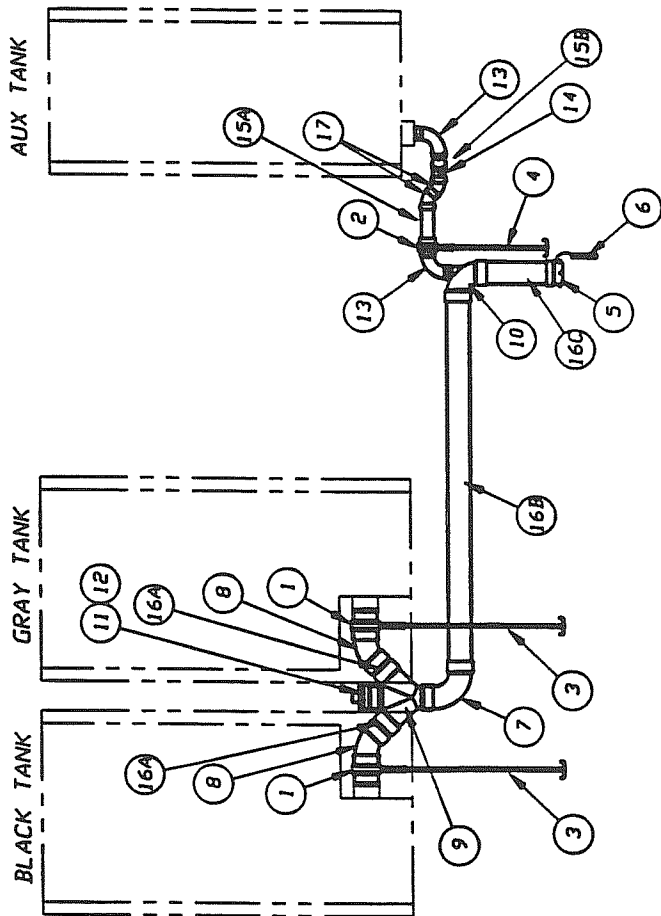
The only cleaning agents that can be used without causing harm to the system are household ammonia and trisodium phosphate in small quantities. Do not use any product that contains any portion of petroleum distillates. This attacks the rubber seal of your toilet and dump valve. Also, do not use any dish detergent or abrasive cleaners. All products should be marked approved for ABS drainage systems.

When winterizing drains use only recreational vehicle plumbing type antifreeze. These are sold through your dealer.

#### **Monitor Panel::**

Check your monitor panel frequently. When the BLACK HOLDING TANK is completely full, sewage cannot be emptied from the toilet bowl. If the GRAY HOLDING TANKS are overfilled, drain water will " back-up " into the tub and cause an unpleasant cleaning job. Never drain the tanks at any place other than an approved dumping station..





ITEM	PART NUMBER	DESCRIPTION	QTY	UOM
17	60028-12	FTG ELL 45 1-1/2S X 1-1/2H	2	EA
16C		12.00" LONG	1	EA
16B		60.00" LONG	1	EA
16A		3.50" LONG	2	EA
16	60024-07	PIPE- ABS- 3"	6.59	FT
15B		5.00" LONG	1	EA
15A		6.50" LONG	1	EA
15	60024-03	PIPE- ABS- 1 1/2"	0.96	FT
14	60028-02	FTG ELL 45 1-1/2H X 1-1/2H	1	EA
13	60028-01	FTG ST ELL 90 1-1/2S X 1-1/2H LT	2	EA
12	60029-06	FTG PLUG 3" MIPT	1	EA
11	60029-05	FTG ADAPTER 3"S X 3"FIPT	1	EA
10	60029-04	FTG ELL WHEEL 3H X 3H X 1-1/2H	1	EA
9	60029-03	FTG DBL WYE 45 3"HUB	1	EA
8	60029-02	FTG ST ELL 45 3S X 3H	2	EA
7	60029-01	FTG ST ELL 90 3S X 3H LT	1	EA
6	60007-06	TERMINATION CAP- 3" BAY	1	EA
5	60007-05	TERMINATION ADAPTOR- 3" HUB X BAY	1	EA
4	60007-04	EXTENSION ROD- 14" C DUMP VALVE	1	EA
3	60007-03	EXTENSION ROD- 24" C DUMP VALVE	2	EA
2	60007-02	VALVE ASS'Y- 1 1/2" HUB X SPIGOT	1	EA
1	60007-01	VALVE ASS'Y- 3" HUB X SPIGOT	2	EA

# INTEGRITY

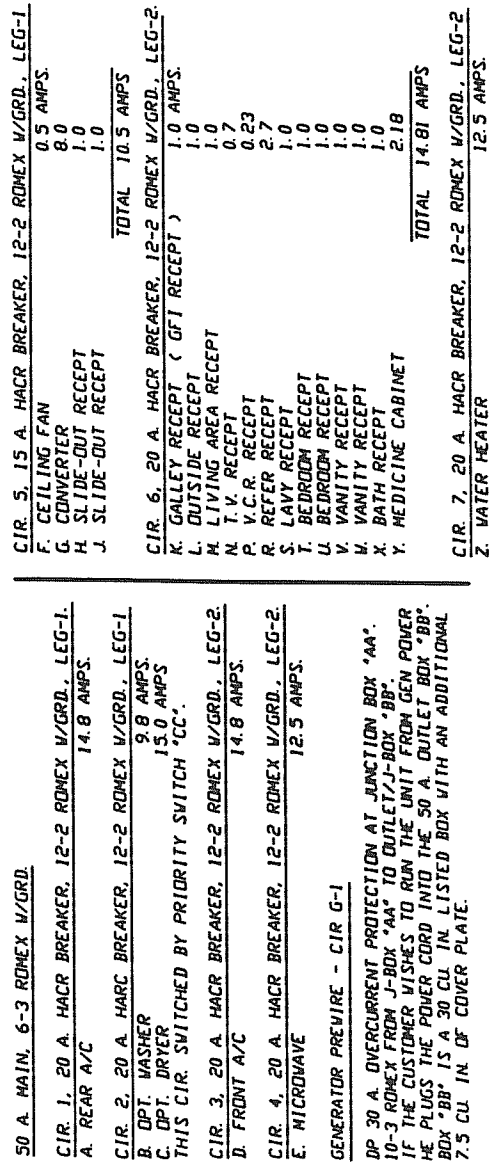
PRODUCT LINE 5TH WHEEL

DWV- BELOW FLOOR- 36' CK

DATE 12/05/09

DRAWING NUMBER 69000-02

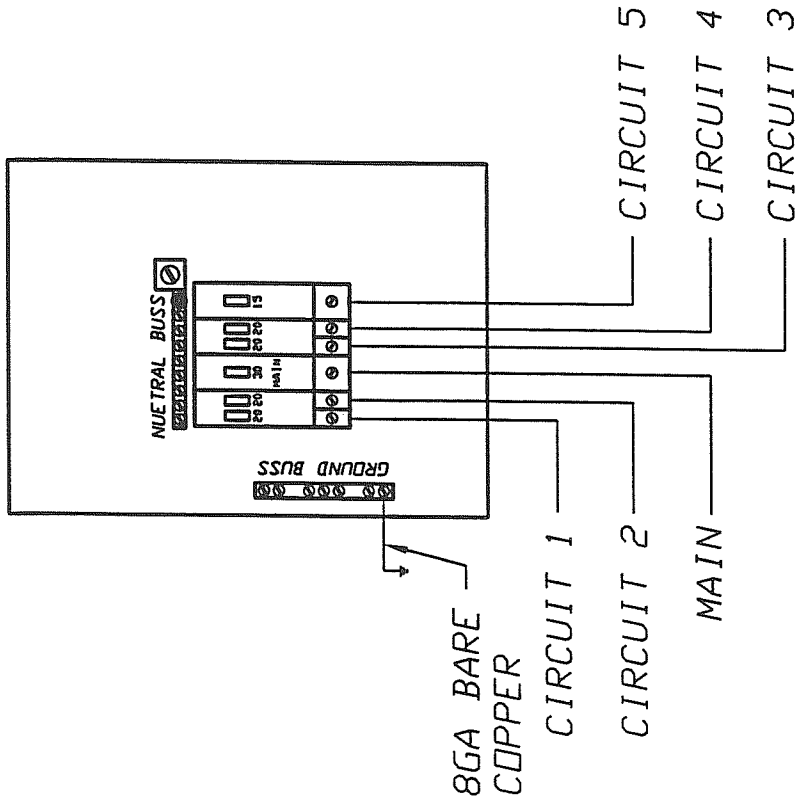
LET DATE	E.C.N.	REVISION RECORD	BY
B	5/96	4498-C REVISED FOR 1997	JM



ITEM	PART NUMBER	DESCRIPTION	QTY	UM
TOLERANCES ±		INTEGRITY	DRAWN BY <i>Maczwell</i>	REV. B
NEXT ASSY			APPROVED BY	
		PRODUCT LINE 36' CK - 'C' BATH MODULE		
TITLE		110V LAYOUT- 50 AMP- USA		
SCALE 1=30	DATE 10/26/95	DRAWING NUMBER 50007-03		

50008-01

SQUARE "D" LOAD CENTER  
CATALOG NO. QD4-7FM70TTS  
SERIES G1  
TYPE 1 ENCLOSURE  
UL/CSA CERTIFIED



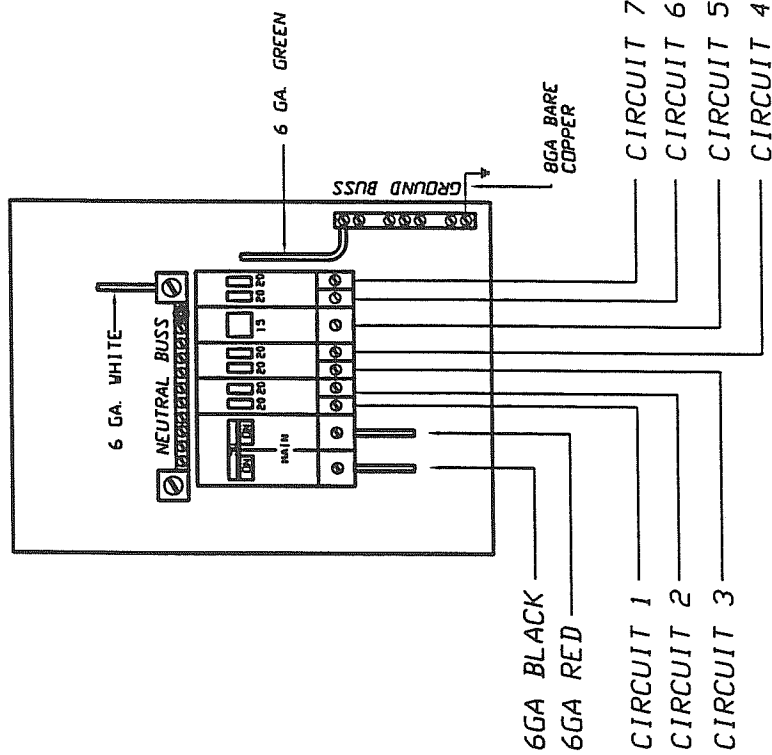
- CIRCUIT 1, 20 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, MICROWAVE, FRONT A/C
- CIRCUIT 2, 20 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, CEILING FAN, CONVERTER,  
BEDROOM, TV RECEPT, VCR RECEPT.
- MAIN, 30 AMP BREAKER
- CIRCUIT 3, 20 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, REAR A/C
- CIRCUIT 4, 20 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, OPT WASHER, OPT DRYER
- CIRCUIT 5, 15 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, LIVING AREA, OUTSIDE, REFER,  
GALLEY AREA, BATH.

LET	DATE	E.C.N.	REVISION RECORD	BY
	7/95	4498	PRODUCTION RELEASE	JM
A	5/96	4498-C	REVISED FOR 1997	JM

ITEM	PART NUMBER	DESCRIPTION	QTY	UM
TOLERANCES ±		INTEGRITY	DRAWN BY Mawell	
NEXT ASSY			APPROVED BY	
TITLE		PRODUCT LINE 36' RK & 36' CK		
SCALE 1=4		110V. PANELBOARD- 30 AMP		
DATE 07/24/95		DRAWING NUMBER 50008-01		
REV. A		REV. A		

50008-03

SQUARE "D" LOAD CENTER  
CATALOG NO. Q06-12L100T  
SERIES G1  
TYPE 1 ENCLOSURE  
120/240V. A.C. 1 PH. 3W.  
MAINS 100 MAX  
UL/CSA CERTIFIED



G-6

LET	DATE	E.C.N.	REVISION RECORD	BY
A	11/95	4498-A	REVISED CIRCUITS	JM
B	5/96	4498-C	REVISED FOR 1997	JM

MAIN, 50 AMP BREAKER

CIRCUIT 1, 20 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, LEG 1, REAR A/C

CIRCUIT 2, 20 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, LEG 1, OPT. WASHER, OPT. DRYER

CIRCUIT 3, 20 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, LEG 2, FRONT A/C

CIRCUIT 4, 20 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, LEG 2, MICROWAVE

CIRCUIT 5, 15 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, LEG 1 CEILING FAN, CONVERTER,  
SLIDE-OUT RECEPTS

CIRCUIT 6 20 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, LEG 2, LIVING AREA, OUTSIDE, REFER,  
GALLEY AREA, TV RECEPT, VCR RECEPT, BATH,  
BEDROOM.

CIRCUIT 7, 20 AMP HACR BREAKER, 12-2 ROMEX  
W/GROUND, LEG 2, WATER HEATER

ITEM	PART NUMBER	DESCRIPTION	QTY	UM
TOLERANCES ±	INTEGRITY			
NEXT ASS'Y				
PRODUCT LINE		36' RK & 36' CK	DRAWN BY <i>M Maxwell</i> APPROVED BY	
TITLE 110V PANELBOARD- 50 AMP				
SCALE 1=4	DATE 10/26/95	DRAWING NUMBER 50008-03	REV. A	B

# 73TH WHEEL

110 VOLT - GFCI

## Ground Fault Interrupter (GFCI)

The states of California, Nevada, Arizona and Tennessee require trailers which are sold in their state and which have exterior 120 volt receptacles to have a ground fault circuit interrupter. Trailers manufactured for sale in these states have type THQL 15 amp GFCI breakers installed on the general circuit, since the exterior breaker is on this circuit. This breaker replaced the standard TQ1-15 amp breaker.

When properly installed, the GFCI Circuit Breaker provides reliable overload and short circuit protection PLUS protection from Ground Faults that might result from contact with a "HOT" load wire and ground.

**IMPORTANT NOTE** – The GFCI Circuit Breaker will NOT reduce shock hazard if contact is made between a "HOT" Load Wire and a Neutral Wire or 2 "HOT" Load Wires.

Each GFCI Circuit Breaker is calibrated to trip with a ground current of 5 milliamperes or more. Since most persons can feel as little as 2 milliamperes, a distinct shock may be felt if the need for protection exists. However, the shock should be of such short duration that the effects will be reduced to less than the normally dangerous level. However, persons with acute heart problems or other conditions that can make a person particularly susceptible to electric shock, may still be seriously injured.

While the GFCI Circuit Breaker affords a high degree of protection, there is no substitute for the knowledge that electricity can be dangerous when carelessly handled or used without reasonable caution.

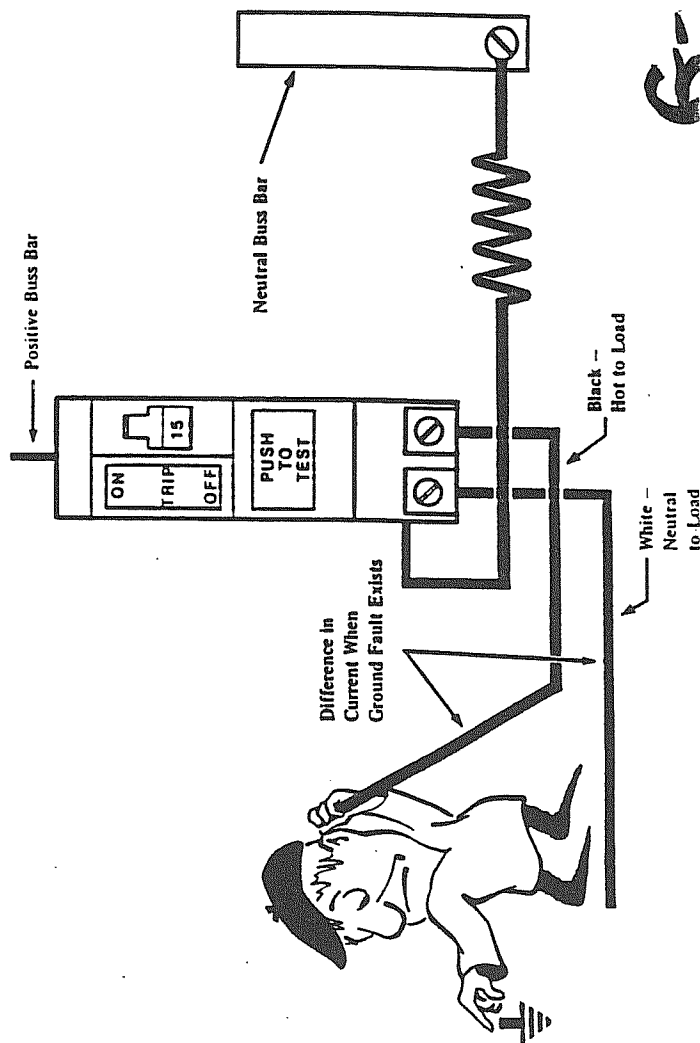
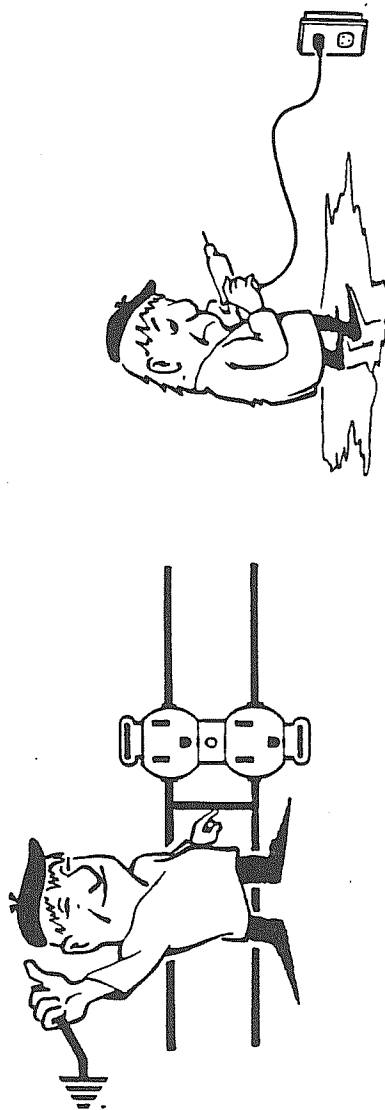
**WARNING:** The GFCI Circuit Breaker provides protection only to the circuit to which it is connected. It does NOT provide protection to any other circuit.

**OCCUPANT: MAKE THIS TEST EACH MONTH AND RECORD THE DATE ON THE CHART**

1. With handle B in "ON" position, press PUSH TO TEST button A.
2. Handle B should move to TRIP position, indicating that GFCI Breaker has opened the circuit.
3. To restore power, move handle B to "OFF" and then to "ON".

[illegible]

## Ground Fault Circuit Interrupter (GFCI)



# APPLIANCES AND EQUIPMENT

H-1

*Note: Refer to the individual manufacturer's owner manual for operating instructions on the following equipment.*

*Before operating any gas appliance, make sure the valve on the gas tank is open.*

## WATER HEATER

**Manufacturer:** Atwood Mobile Products  
4750 Hiawatha Drive  
Rockford, IL 61103-1298  
Telephone: 815-877-5700

**CAUTION:** Before lighting water heater, be sure fresh water system is filled. Purge air from water heater by opening all faucets until water flows steadily from each faucet.

**IMPORTANT:** Read Water Heater Operating Instructions before using.

## RANGE AND OVEN

**Manufacturer:** Magic Chef, Inc.  
28812 Phillips Street  
Elkhart, Indiana 46514  
Phone: 219-264-9578

Your range and oven will give you fast, dependable, and economical service using LP gas. The oven provides a complete range of heats and maintains the temperature automatically for baking. The burner flame will vary during these settings.

Your range cleans easily with a warm detergent solution. Naturally, food spillage allowed to remain becomes hard to clean and may clog functional parts.

Carefully consult the instruction manual provided with the range for detailed information.

**WARNING:** *Never use the range or oven for extra comfort heating. All the other gas appliances are vented to the outside and safe for continuous use, but the cooking appliances should be used only while cooking and then with one or more vents or windows open.*



### GAS/ELECTRIC REFRIGERATOR

**Manufacturer:** Dometic Sales Corporation  
2320 Industrial Parkway  
P.O.Box 490  
Elkhart, Indiana 46514  
Phone: 219-295-5228

**NOTE:** *The refrigerator must be level for the cooling system to work efficiently.*

The refrigerator requires 12 volt current to operate even if running on LP or 110V modes. The 12 volt is used to power the circuit board that directs the refrigerator functions.

Carefully consult the instruction manual sent with the refrigerator for detailed operational instructions.

**WARNING:** *Most LP gas appliances used in recreational vehicles are vented to the outside of the vehicle. When parked close to a gasoline pump, it is possible that gasoline fumes could enter this type of appliance and ignite the burner flame, CAUSING A FIRE OR AN EXPLOSION.*

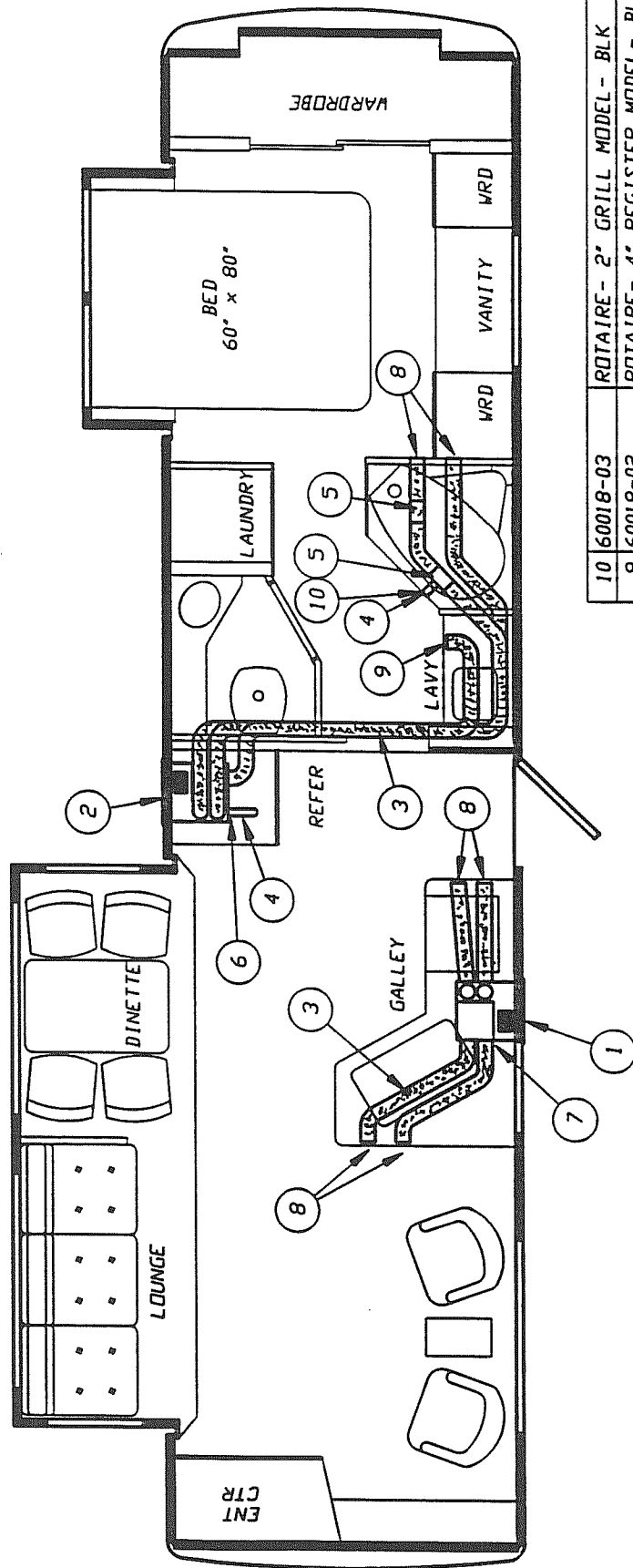
### FURNACE

**Manufacturer:** Hydro Flame Corporation  
1874 South Pioneer Road  
Salt Lake City, UT 84014  
Phone: 801-972-4621

The furnace burns LP gas, and is powered by 12 volt current from the battery or power converter when plugged into city power. The furnace utilizes a sealed combustion system, which means the combustion chamber is completely sealed from the inner atmosphere of your vehicle. Combustion air is drawn from the outside and combustion products are expelled outside through a vent.

Prior to operating, carefully read and follow the lighting and operating instructions from the furnace manual supplied with the unit.

**WARNING:** *Never store flammable material next to the furnace.*



ITEM	PART NUMBER	DESCRIPTION	QTY	UM
10	60018-03	ROTAIRE- 2" GRILL MODEL- BLK	1	EA
9	60018-02	ROTAIRE- 4" REGISTER MODEL- BLK	1	EA
8	60018-01	ROTAIRE- 4" GRILL MODEL- BLK	6	EA
7	60016-02	ADAPTER- FURNACE COLLAR- 4"	7	EA
6	60016-01	ADAPTER- FURNACE COLLAR- 2"	1	EA
5	60017	TEE- HEAT DUCT- 4 X 4 X 2	2	EA
4	60019-02	DUCT- 2" FLEXIBLE HEAT	1.5	FT
3	60019-01	DUCT- 4" FLEXIBLE HEAT	52.0	FT
2	30039-02	FURNACE- HYDROFLAME- 20,000 BTU	1	EA
1	30039-03	FURNACE- HYDROFLAME- 25,000 BTU	1	EA

# INTEGRITY

PRODUCT LINE 36' CK - "C" BATH

## HEAT DUCT INSTALLATION

DATE 12/15/95

DRAWING NUMBER 69006-02

# SERVICE

I-1

Before leaving the factory each and every vital part of the 5th Wheel is tested for performance. Each test is signed and certified by an inspector. After the 5th Wheel arrives on your dealer's lot all of these systems are again tested. When you take delivery of your new *Integrity* 5th Wheel you will receive a complete checkout from your dealer.

Many experienced RVers will take their trailer out for a weekend of camping a month or so before an extensive trip. This "shakedown" gives them a chance to thoroughly check out the unit and have any repairs made before they "hit the road". You may also discover some of the best camping is not that far from home.

If Warranty service is required, make sure you take your Identification Card with you. The dealer must have the imprint of your card and your signature to obtain his reimbursement from the factory. Keep your list of service requirements concise and complete. Service Managers have many customers to service. If you keep adding to your list as the work is being done, scheduling for the service manager can be a real nightmare. Always check out the repairs immediately, and inform the service manager of any discrepancies.

If you have a service problem that you can't get worked out with the service manager contact the owner or general manager of the dealership and discuss the situation with them. If you still cannot obtain a solution write to the Customer Relations Department, *Integrity* by Airstream, 522 N. Main Street, Jackson Center, Ohio 45334 or phone 513-596-6125. Provide the Customer Relations Department with your name, address, serial number of the trailer, and purchase date. If your trailer was purchased under the name of a business, that information should also be provided.

Service may be arranged at the Factory Service Center by contacting the Service Coordinator at:

*Integrity* by Airstream Service Center  
522 N. Main Street  
Jackson Center, Ohio 45334  
Phone: 513-596-6125

# MAINTENANCE SCHEDULE

J-1

Note: See appliance manufacturer's literature

## EVERY 1000 MILES OR 30 DAYS

Escape Window	Check operation of latches and upper hinge
Battery (lead-acid)	Check water level
Smoke Alarm	Test and replace battery as required.
Tires	Check tire pressure ( <u>80 PSI Cold</u> )
GFI Circuit Breaker	Test and record
Hitch	Check for loose bolts or unusual wear. Clean red dot. Lubricate 5th Wheel bearing surface with Lithium base grease. Lubricate pivot point between hitch and side rails with Lithium base grease.

**WARNING:** On new trailers check lug bolts every 200 miles for first 1,000 miles. Torque 115 Ft.Lbs.

## EVERY 5,000 MILES OR 90 DAYS

Exterior Door Locks	Lubricate with dry graphite
Exterior Hinges	Lubricate with light household oil.
LPG Regulator	Check bottom vent for obstruction
LPG Hold Down Latch	Spray latch with WD-40 or equivalent
Main Door Striker Pocket	Coat with paraffin
Wheel Lug Bolts	Torque to <u>115</u> ft. lbs.
Breakaway Switch	Pull pin and lubricate with household oil
9-Way plug	Spray with contact <u>cleaner</u>
Range Exhaust Hood	Clean fan blades and wash filter
Main Door Step	Lubricate moving parts and check

## MAINTENANCE SCHEDULE (CONTINUED)

J-2

### EVERY 10,000 MILES OR 60 DAYS

Brakes	Inspect, adjust or replace as necessary
Hitch	Use 30 weight oil on latch and latch plate
Wheel Bearings	Clean and repack
Tires	Inspect and rotate
Spare Tire Carrier	Lubricate moving parts
Seals, Windows & Doors	Clean with mild detergent and coat with "Slipicone".
TV Antenna	Lubricate all moving parts with WD-40
Exterior	Wax
Escape Window	Lubricate latches with WD-40

### EVERY YEAR

Battery	Clean, neutralize and coat terminals with petroleum jelly
Hitch/Step	Wire brush and paint hitch, step :
LP Bottles	Have purged by LP supplier
Seams	Check and reseal, if necessary, exterior seams, windows, lights, and vents.
Furnace	Clean blower assembly

# WHEELS AND TIRES

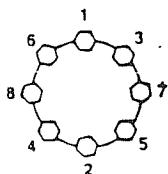
## TORQUE REQUIREMENTS

J-2A

It is extremely important to apply and maintain proper wheel mounting torque on your fifth wheel axles. Torque wrenches are the best method to assure the proper amount of torque is being applied to a fastener. **NOTE:: WHEEL NUT OR BOLTS MUST BE APPLIED AND MAINTAINED AT THE PROPER TORQUE LEVELS TO PREVENT LOOSE WHEELS, BROKEN STUDS, AND POSSIBLE DANGEROUS SEPARATION OF WHEELS FROM YOUR AXLES.**

The proper procedure for attaching your wheels are as follows:::

1. Start all bolts or nuts by hand to prevent cross threading.
2. Tighten bolts or nuts in the following sequence.









3. The tightening of the fasteners should be done in stages.

Following the recommended sequence, tighten fasteners as follows::

STUD SIZE	1ST STAGE	2ND STAGE	3RD STAGE
9/16"	40 FT.LBS.	80 FT.LBS.	115 FT.LBS.

**NOTE:: WHEN WHEEL HAS BEEN REPLACED, RECHECK TORQUE AT THE FOLLOWING INTERVALS:::10 MILES, 25 MILES, AND AGAIN AT 50 MILES. CHECK PERIODICALLY THEREAFTER.**

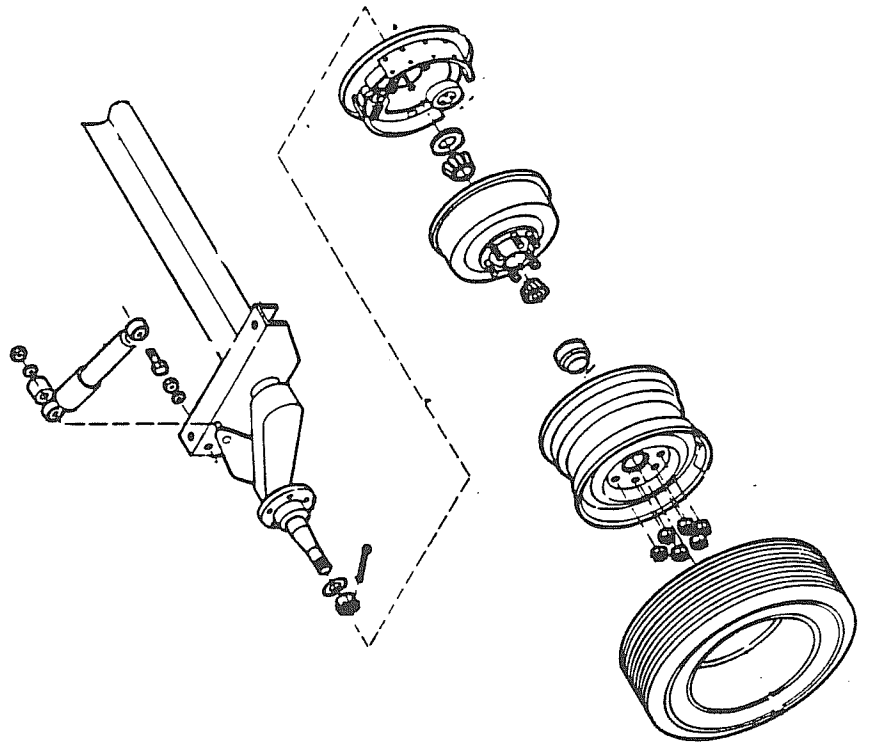
## Tire Wear Diagnostic Chart

Wear Pattern		Cause	Action
	Center Wear	Over Inflation	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 skidding	Avoid sudden stops when possible and adjust brakes.

# INTEGRITY

5TH WHEEL

RUNNING GEAR



# INTEGRITY

5TH WHEEL

RUNNING GEAR

USE OF THE HYDRAULIC AXLE STRAIGHTENER MODEL NO. HB68

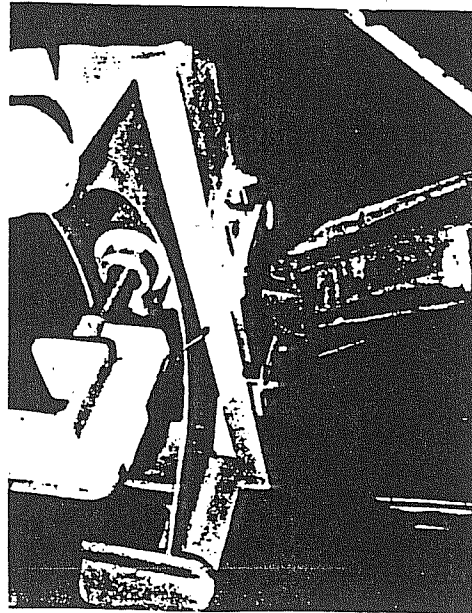
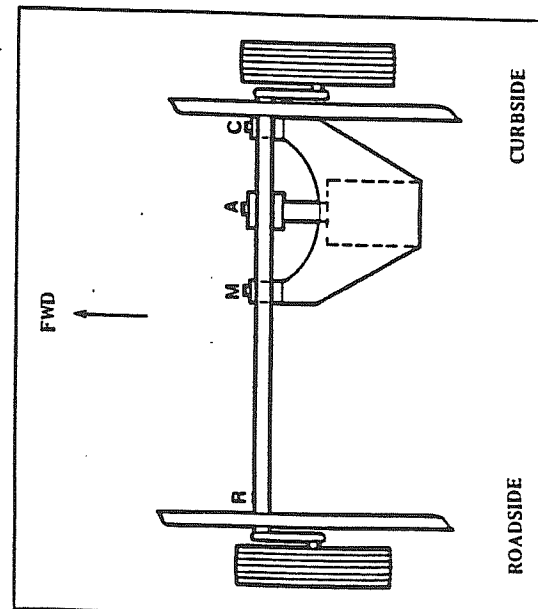


Fig. 20



1. Attach straightener to any standard floor jack. (See Fig. 20)
2. Place cylinder jaw (A) at position (C) to correct curbside wheel.
3. Place cylinder jaw (A) at position (R) to correct roadside wheel.
4. Place cylinder jaw (A) at position (M) only when both wheels need to be bent equal amounts in the same direction.
5. Cylinder jaw (A) is moved toward front of the trailer to decrease the amount of toe in.
6. Cylinder jaw (A) is moved toward rear of the trailer to increase the amount of toe in.
7. To determine the amount axle has been bent, place a mark on the underbelly of trailer along axle tube. Hold pencil along tube while bending and place a second mark on underbelly after bending. The distance between these two marks represents approximate movement of the wheel.
8. For use of straightener to correct camber, remove from the jack and swing into a vertical position (hanging on the axle tube). Use in the same manner as for toe in except that moving cylinder jaw up increases camber and moving it down decreases camber. This will require cuffing of underbelly for clearance.

## ALIGNMENT EQUIPMENT REQUIRED

AMMCO CAMBER GAUGE Model No. 7825

HENSCHEN TOE GAUGE Model No. TG 68 (with wall rack)

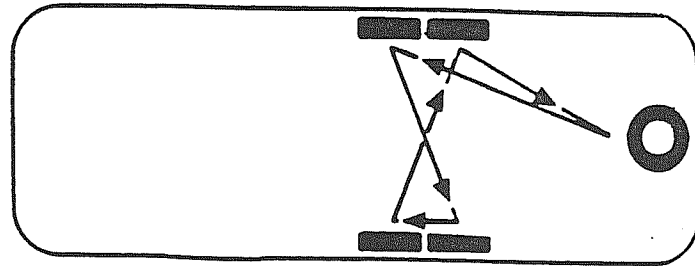
HYDRAULIC AXLE STRAIGHTENER Model No. HB 68  
(less floor jack)

FLOOR JACK Model No. 1½ ton

RAMPS (8" high)

TIRE ROTATION

FRONT



REAR



### CARPET

The carpet can be cleaned with any good commercial carpet cleaner, or with a detergent and water. **HOWEVER, BE CAREFUL NOT TO SOAK THE CARPET WITH WATER.**

### FABRIC CLEANING

All material should be professionally dry cleaned to remove overall soiled condition. These materials may be spot cleaned, however, using the cleanability code instructions listed. Sample swatches are furnished to our dealers. The dealer will be able to give you the cleaning code and part number for the fabrics used in your INTEGRITY.

The following are the cleanability code instruction for the various fabrics.

#### CODE W-S

Fabric care. Spot clean this fabric either with a mild solvent or a water-based cleaning agent. When using a solvent or dry cleaning product, follow instructions carefully and clean only in a well ventilated room. Avoid any product that contains highly toxic carbon tetrachloride. You may also use an upholstery shampoo product or the foam from a mild detergent. With either method, pretest a small area before proceeding. Use a professional furniture cleaner when an overall soiled condition is reached.

#### CODE S

Fabric care. Spot clean, using a mild, water-free solvent or dry cleaning product. Carefully follow instruction on such product. Clean only in a well ventilated room. Avoid any product containing carbon tetrachloride, which is highly toxic. Pretest a small area before proceeding. Use a professional furniture cleaner when an overall soiled condition is reached.

#### CODE W

Fabric care. Spot clean, using the foam only from a water-based cleaning agent, such as a mild detergent or non-solvent upholstery shampoo product. Apply foam with a soft brush in a circular motion. Vacuum when dry. Pretest a small area before proceeding. Use a professional furniture cleaner when an overall soiled condition is reached. The above code was designed by the manufacture of the fabric.

**CAUTION::** Never remove cushion covers for separate cleaning or washing. Any tumble cleaning method can destroy the backing, shrink or otherwise damage upholstery.

# CLEANING INFORMATION

J-5

## EXTERIOR

The exterior side walls of your INTEGRITY are laminated fiberglass. There is no magic to caring for your INTEGRITY. As a general rule of thumb, we recommend the trailer to be washed about every four weeks and waxed in the spring and fall. To make sure your unit is always protected, you should wax it immediately or have your dealer wax it just prior to delivery. In industrial areas cleaning and waxing should be done on a more frequent schedule.

Always clean your *INTEGRITY* in the shade or on a cloudy day when the skin is cool. Oil, grease, dust and dirt may be removed by washing with any mild non-abrasive soap or detergent. Cleaning should be followed by a thorough clean water rinse. Spots and streaks can be prevented by drying unit with a chamois or a soft cloth.

After cleaning and drying, a good grade of automotive paste or liquid wax will increase the life of the finish, especially in coastal areas where the finish is exposed to salt air, or in polluted industrial areas. It will also protect the shell from minor scratches and make subsequent cleaning easier.

It is important to remove sap, gum, resin, asphalt, etc., as soon as possible after they appear by washing and rewaxing. Sunlight and time will bake-harden these materials, making them almost impossible to remove without heavy buffing. If asphalt remains on the trailer after washing, use a small amount of kerosene on a soft rag and wipe the spots individually, being careful not to scratch the finish.

It is recommended that the caulking and sealant used in external seams and joints such as window frames, light bezels, beltline and rub-rail molding, etc., be checked regularly. If this material has dried out and becomes cracked or checked, or if a portion has fallen out, it should be replaced with fresh material to prevent possible rain leaks. Caulking and sealing material is available from your INTEGRITY dealer.

## COUNTER AREAS

The counter areas around the sink are of high-pressure laminate and can be cleaned with soap and water, or you can use a common solvent on tough spots. Be sure no abrasive cleaner is used, as there is a possibility it could scratch the surface. A protective pad should always be placed under hot utensils.

## WALLS AND CABINETS

The vinyl walls of the fifth wheel can be wiped with any mild household cleaner. The wood grain panel also has a vinyl covering for easy care.

**CAUTION:: DO NOT USE ABRASIVE CLEANING MATERIAL ON THE VINYL COVERED WALLS**

**SHOWER STALL**

To clean your ULTRA/GLAS shower stall unit, use warm water and one of the stronger liquid detergents. Do not use abrasive cleaners; they may scratch and dull the surface of your ULTRA/GLAS unit. Stubborn stains can be removed with solvents such as turpentine, paint thinner or acetone. Restore dulled areas by rubbing with an automotive-type liquid cleaner, then put the glow back into your ULTRA/GLAS unit with a light application of liquid wax. **WARNING::DO NOT WAX THE FLOOR OF THE STALL WITHOUT USING A BATH MAT AFTERWARD TO PREVENT A DANGEROUS SLIPPERY FLOOR CONDITION....**

# RV WEIGHT / LOADING

K-1

## RV WEIGHT LABELS:

On the roadside front corner of your 5th Wheel is a RV Weight Label which lists the following three weights on dual axle 5th Wheels.

G.V.W.R.	Gross Vehicle Weight Rating	Total Weight Capacity
G.A.W.R. (Front)	Gross Axle Weight Rating	Front Axle Capacity
G.A.W.R. (Rear)	Gross Axle Weight Rating	Rear Axle Capacity

*WARNING: The gross weight rating is the maximum load carrying capacity allowed by the vehicle or axles. DO NOT overload your vehicle.*

**THERE ARE TWO IMPORTANT FACTORS TO KEEP IN MIND WHEN LOADING YOUR FIFTH WHEEL:      TOTAL WEIGHT AND BALANCE**

At first glance it does not seem logical for the carrying capacity of the vehicle to exceed the total carrying capacity of both axles. The other weight bearing member, besides the axles, is the kingpin. To find the actual weight \* of the 5th Wheel it must be weighed on scales. Scales capable of weighing your 5th Wheel may be found at grain elevators, stone quarries, or at a state operated truck scales along the highway. If you are not sure of the location of scales in your area contact your local state highway patrol post for assistance.

The total cargo you can safely carry in the fifth wheel is the difference between the weight of the 5th Wheel and the Gross Vehicle Weight Rating. For instance, if the GVWR on our 5th Wheel is 6,200 lbs. and the total weight of your 5th Wheel is 4,500 lbs. , you could carry an additional 1,700 lbs. of water, clothes, utensils, etc.

*WARNING: Never add items such as heavy tool boxes or motorcycle racks to the back of the 5th Wheel. Weight behind the axle will tend to magnify any sway that may occur when passing trucks or in gusty wind. If a heavy tool box is mounted on the rear bumper what may have been an almost unnoticeable sway turns into a severe sway you may not be able to control.*

When loading heavy objects such as tools, golf clubs, boxes of canned goods, etc. keep them as low as possible - preferably on the floor.

*CAUTION: Damage to your 5th Wheel caused by mounting heavy objects on the rear is considered abuse, and is not covered by warranty.*

## LEVELING / PARKING

L-1

When stopping for the night your *Integrity* is built to be safely parked in any spot that is relatively level and where the ground is firm. YOUR FACILITIES ARE WITH YOU. YOU ARE SELF-CONTAINED. Unless the truck is needed for transportation it is not necessary to unhitch. Try to pick as level a parking spot as possible. STABILIZING JACKS OR BLOCKS probably won't be required for an overnight stay. However, if you put hitch jacks down to take the weight off the truck's springs, it will provide some stability. If you must park on a slope, PARK FACING DOWNHILL. IT IS EASIER TO LEVEL your 5th Wheel this way.

If the site is not an asphalt pad, concrete slab or other prepared surface, be sure it is as level as possible. Be sure the ground surface is not soft and will support the weight of the trailer on the stabilizing jacks or other support devices.

When you plan to stay in the same place for several days, weeks, or months, you will want your *Integrity* 5th Wheel to be as level and steady as possible. Check the attitude with a small spirit level set on the inside work counter or in the refrigerator freezer. If a correction is necessary then YOU MUST LEVEL FROM SIDE TO SIDE FIRST. This can be done easily by backing the 5th Wheel up on a small ramp consisting of 2"x6" boards tapered at both ends. WE DO NOT RECOMMEND PLACING TIRES IN A HOLE FOR LEVELING.

LEVEL FROM FRONT TO REAR by disconnecting the hitch from the truck and adjusting the jacks up or down until you are level. Block or chock the wheels to keep the trailer from rolling. Use the STABILIZING JACKS at the rear corners to eliminate the natural spring action of the axles. STABILIZING JACKS should only be used to stabilize your *Integrity* 5th Wheel, NOT lift it.

*WARNING: Stabilizer jacks on trailers with slide rooms should not be placed at extreme corners of the frame, locating stabilizers in these locations can cause slide room damage should leveling blocks shift or settle.*

Check the level of the *Integrity* 5th Wheel with a carpenter's level both crosswise and lengthwise on the floor. After stabilizing the trailer, be sure the frame is not twisted, buckled, or stressed. Check that all doors and windows operate freely and do not bind.

*WARNING: Whenever the Integrity 5th Wheel must be lifted with a jack, as when changing a tire or leveling on very rough terrain, ALWAYS PLACE THE LIFTING JACK UNDER THE MAIN FRAME RAIL. A label is provided to indicate the proper position for the jack. NEVER USE STABILIZING JACKS TO LIFT THE INTEGRITY 5TH WHEEL.*

Before resuming travel, be sure all stabilizers are removed or fully retracted.

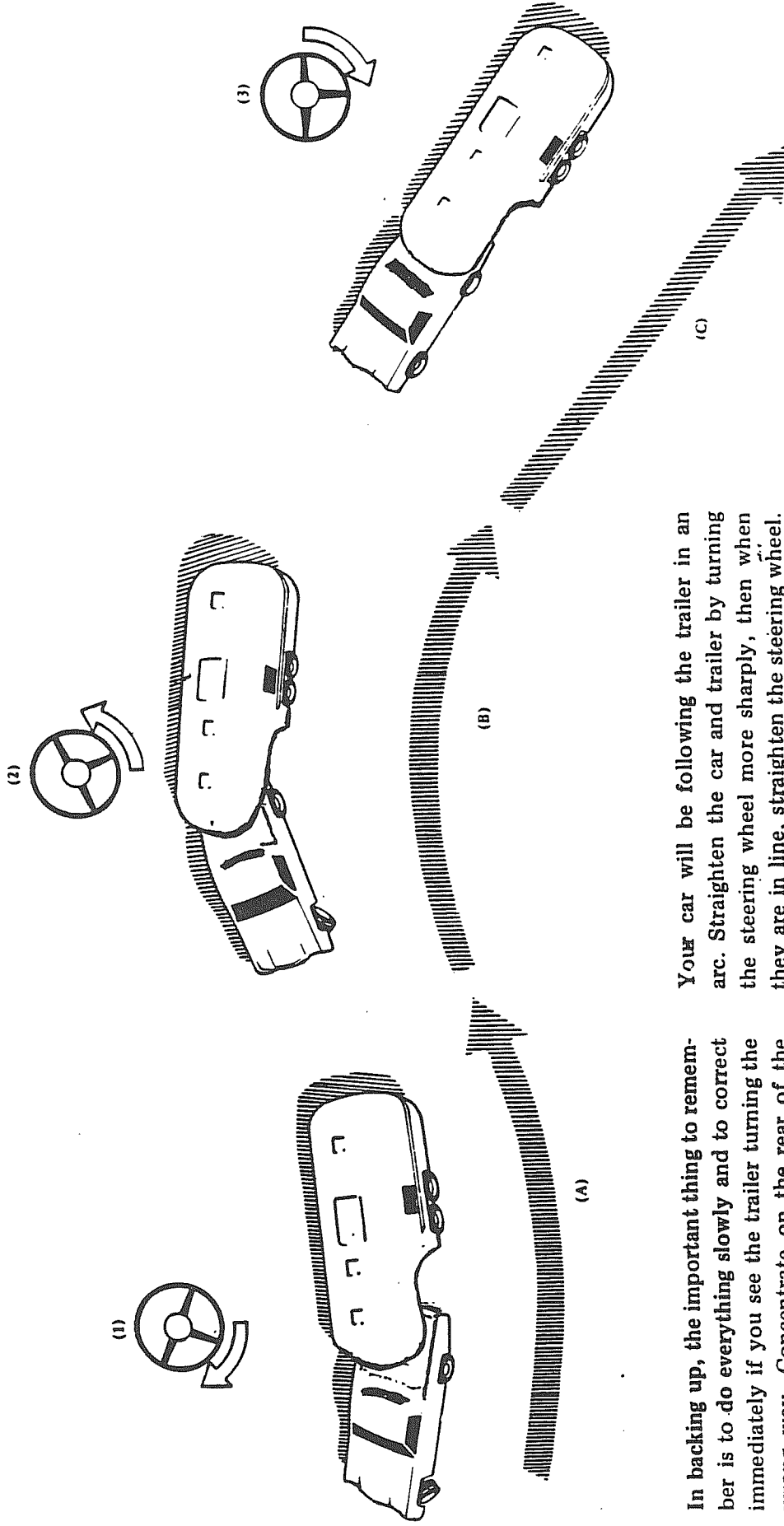
# INTEGRITY

5TH WHEEL

## BACKING UP



Indicates steering direction



In backing up, the important thing to remember is to do everything slowly and to correct immediately if you see the trailer turning the wrong way. Concentrate on the rear of the trailer. With your car and trailer in a straight line, back up slowly and turn the bottom of the steering wheel in the direction you want the trailer to go. Watch out the window or in the mirror until the rear of the trailer is pointing in the desired direction. Then turn the steering wheel in the opposite direction

Your car will be following the trailer in an arc. Straighten the car and trailer by turning the steering wheel more sharply, then when they are in line, straighten the steering wheel. Always try to back to your left because the visibility is much better. (See illustration.) When you don't make it on the first try it is usually much easier to pull forward to your original position and start over.

Position (A) start, turning steering wheel as shown in (1) will put you in trailer position (B), turning steering wheel shown in (2) puts you in trailer position (C), steering wheel position (3) returns front wheels for straight backing.

## SLIDE-OUT OPERATION

M-1

The design of the *Integrity* fifth wheel slide-out compartment is intended to make it easy to use while compromising the structure of the vehicle as little as possible.

When setting the trailer up at a campsite, extending the slide out should be one of the last steps. Because of high current draw the trailer should be plugged in. Positioning of the rear stabilizer jacks will keep the slide out from binding in the opening.

*Warning: Stabilizer jacks on trailers with slide rooms should not be placed at extreme corners of the frame. Locating stabilizers in these locations can cause slide room damage should leveling blocks shift or settle.*

With the trailer plugged in to city power, the stabilizer jacks in place, and the travel locks removed, you are ready to extend the room. Located on the front living room wall next to the entertainment center is the Slide-out electrical switch. Depress and hold the control switch until the room is fully extended. Release switch immediately when the room has stopped.

In an EMERGENCY situation, such as in cases where electrical power is interrupted or unavailable, or if you should experience hydraulic system trouble, the slide out can be manually extended or withdrawn with a hand crank. To operate the manual override see instructions on the Hydraulic Pump.

To retract the slide-out, move or rearrange furniture and interior fixtures as necessary to provide clearance for the room to retract into the trailer interior. Press and hold the control switch until the room is fully retracted.

*Warning: Your Integrity 5th Wheel comes with slide-out locking bars. These bars must be put into place when the unit is in tow. Also, before extending the slide-out room these bars must be removed or you will cause damage to the slide-out room.*

**NOTE::** " Locking Bars " are located on top of each slide-out room. These bars must be stored when slide-out room is being used. **DO NOT** store bars on top of slide-out room ( 2-locking bars on living room ,, 1 locking bar on bedroom ). Reposition the locking travel bars approximately 12" from either end on top corners of each slide-out room when preparing to travel or putting unit into storage .

## SLIDE-OUT ROOM TROUBLESHOOTING

M-2

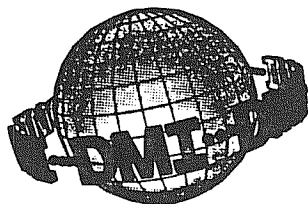
The most common cause of slide-out room malfunction is low battery voltage. be sure the batteries are adequately charged. Reduce the electrical load by turning off all 12-volt lights and appliances when operating slides.

If the trailer is not level, the slide-out room may bind in opening. This puts additional strain on the slide-out mechanism and may damage the trailer.

Slide-out room seals may stick if the room has been in the extended or retracted position for an extended amount of time. This sticking can be reduced or eliminated by using a seal dressing. Do a close visual inspection of these seals at least twice each year - once before the winter season and again each spring. Regular maintenance and replacement of weather seals as soon as required will extend the life and usefulness of your slide-out room. Weather seals which are allowed to remain in service after deterioration will allow rain, snow, or ice to penetrate inside the walls or roof and may cause extensive damage.

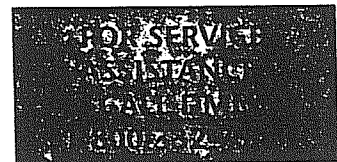
The design of the slide-out room has been made so that when you have the unit parked for storage that you use the slide-out travel bars to ensure a weather tight seal.

Quality components are used throughout your trailer; however, local weather and atmospheric conditions will in time cause rubber and vinyl weather seals to need replacement, which are not covered beyond the term of your Warranty.



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Ser. #

**IF SLIDE-OUT ROOMS FAIL TO MOVE:**

Connect jumper cables from a running vehicle battery to the RV battery or to the DEWALD Power Unit.

**IF ROOMS STILL FAIL TO MOVE, THEY CAN BE RETRACTED WITH THE HAND PUMP:**

1. Turn silver, knurled knob at left counterclockwise 2 turns.
2. Pull out colored, knurled knobs above motor and turn them 1/4 turn (they should lock in the "out" position).
3. Insert a tire-iron into Hand Pump lever tube at left and pump room in.

**Once all rooms are retracted, return all knurled knobs to their original positions.**

If you need to add fluid to the system, use standard Automatic Transmission Fluid.



# WINTER STORAGE

N-1

1. Level the unit - front to rear and side to side.
2. Remove bottled and canned goods and other items that could be damaged by freezing.
3. Open all faucets, valves and drains, including toilet stool valve, water heater drain, and line drain. ( see page # E-2 Items # 7 for drain location )
4. Run water pump until water stops flowing from faucets. Shut pump off immediately. Allow drains, faucets, and valves to remain open for several hours or blow all extra water out with air. Be sure lines are empty.
5. Close all faucets, valves, and drains.
6. It is a good idea to use an anti-freeze solution for potable water for more positive protection. Do not use automotive type anti-freeze.
7. Before using vehicle again, you may want to sanitize the system.
8. Completely drain holding tanks.
9. Flush sink, shower-tub, lavatory, stool with a solution of hot water and dishwasher soap. Allow to drain and flush with clean hot water.
10. If possible, agitate the water in the holding tanks by driving a few miles, then drain tanks again.
11. An alternate to step #9 is to use a chemical deodorant. Let mixture stand for a few days, then drain.
12. Flush with fresh water, drain, and, after tanks are dry, close dump valves and drain cap.
13. Fill traps with an anti-freeze approved for use in ABS plastic pipes. Normally, a cupful per trap is adequate. Do not use an anti-freeze solution with an alcohol base.
14. Turn the thermostats off on all appliances.
15. Put graphite in all the locks and lubricate all door hinges.
16. Close all windows and roof vents.

# WINTER TRAVELING

O-1

Traveling in sub-freezing temperatures will require certain precautions to protect the plumbing system and your personal belongings from being damaged by freezing.

Whenever possible the heat should be kept on at a constant temperature. It is easier for the furnace to keep a constant room temperature than for the trailer temperature to be allowed to drop to 50 degrees Fahrenheit and attempt to raise it to room temperature.

*WARNING: Always shut off the LP gas when gasoline is added to the tow vehicle.*

Some states do not allow LPG to be turned on while moving. While traveling in these states you must use your common sense. How cold is it? How long will it be before you can turn the heat back on? Is the temperature dropping or rising? Remember when towing, the wind chill factor when driving 50 MPH will cause the interior of the trailer to cool much faster than a trailer that is parked.

When parked in subfreezing temperatures make sure you keep a full supply of LP gas and plug into 110 volt power source whenever possible. A fully charged battery will not last more than 8 to 10 hours if the furnace is running almost constantly and 110 volt power is not available. Of course, if you have a generator you can run it to recharge the batteries, or even use the generator continually.

Minimize use of electricity if 110 volt power source is not available.

Leave cabinet doors, bedroom doors and wardrobe doors slightly open at night to allow circulation of air in and around all furniture components.

Use propylene glycol type antifreeze in waste and drain water tanks to prevent freezing. Quantity of antifreeze needed will vary with ambient temperature and the amount of liquids in tank.

For extended stays in cold weather, insulate the water line outside the *Integrity* 5th Wheel. You should remember that low temperatures in combination with high winds cause an equivalent chill temperature much below what your thermometer is reading. For instance, with an outside temperature of zero degrees, and the wind velocity of 10 miles per hour, the equivalent chill temperature is minus 20 degrees Fahrenheit.

# CONDENSATION

P-1

It is also important to guard against excessive humidity inside your *Integrity 5th Wheel* during winter campouts. When windows and window frames fog up or "sweat," it means that there is too much moisture in the air. Moisture comes from water vapor and water vapor is the direct result of water evaporating.

Many things such as baths and showers, boiling foods, washing dishes, washing clothes, even breathing, contribute to evaporation. The inside air can only absorb so much of this moisture before it becomes saturated. At this point it can hold no more, and any additional water vapor condenses back to liquid water in the form of droplets on any available cool, solid surface. Temperature has a direct effect on the air's saturation point. Cold air holds less moisture than warm air. For this reason, the air immediately adjacent to cold outside walls and windows cools down and cause water vapor to condense and form moisture droplets, even though warmer inside surfaces are still dry.

The best way to keep condensation under control is to reduce moisture producing activities. It is important to provide adequate ventilation and keep the air circulating as much as possible.

Use your exhaust fans to remove moisture before water vapor mixes with the air. Open windows slightly once in a while, while operating fans, to bring in drier outside air and aid in overall air circulation. In extremely cold weather, when outside ventilation is not practical, it may be necessary to use a small dehumidifier to aid in reducing condensation.

There is not a substitute for common sense in cold weather.

*Note: The Integrity Fifth Wheel is built as a recreational vehicle, and is not intended as a permanent dwelling or for more than temporary use in sub-freezing temperatures.*

## REPORTING SAFETY DEFECTS

Q-1

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 *Integrity* by Airstream.

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 *Integrity* by Airstream.

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