

## 10. EXPANDA-ROOM OPERATION

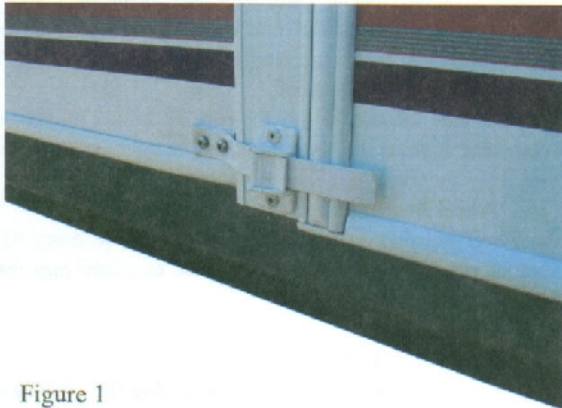


Figure 1

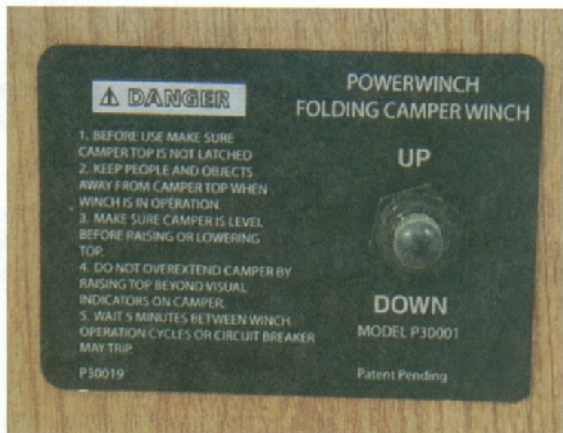


Figure 2



Figure 3

### 10.1 Opening The ExpandA-Room

If your Hi-Lo is equipped with an ExpandA-Room it is important that you read and follow these instructions for safe operation of this unit. Failure to follow these instructions may result in damage to the ExpandA-Room and/or cause injury to the operator or those around the trailer.

1. Open your ExpandA-Room cover by carefully releasing the strap latches at each side of the cover. (See figure 1)
- Note: Use caution, as the cover is under pressure, and will swing open when the latches are released.
2. Raise your Hi-Lo in the normal manner.
  3. Press the "UP" button located near the entry door of your Hi-Lo, raising the ExpandA-Room until the motor stops running. (See figure 2)
  4. Manually push the ExpandA-Room outward until the cable becomes taut.
  5. Press the "DOWN" button on the switch until the ExpandA-Room is fully extended. (See figure 2)
  6. Set the brass locks (if equipped) to secure the ExpandA-Room in place. (See figure 3)

### 10.2 Closing The ExpandA-Room

1. Clear the area in front of the ExpandA-Room to be sure nothing will be in the way as the ExpandA-Room is closed.
2. Release the brass lock (if equipped) to allow the ExpandA-Room to swing unward. (See figure 3)
3. Ensure that the top section is not resting on the ExpandA-Room by pressing the "UP" button as you would to put the top of your Hi-Lo UP.
4. Press the "Raise" button located near the entry door of your Hi-Lo, raise the ExpandA-Room until the motor stops running. (See figure 2)
5. Pull the ExpandA-Room inward until the cable becomes taut.
6. Press the "DOWN" button on the switch until the ExpandA-Room is fully lowered onto the floor. (See figure 2)
7. Close your ExpandA-Room cover by holding it closed and securing the strap latches at each side of the cover. (See figure 1)



## 11. MAINTENANCE

### 11.1 Electric Brakes

Electric brakes need no special care or service other than keeping connections and wiring free of dirt and other foreign matter. Brake adjustment, relining, and repair are similar to those on your car. Any qualified service station can do this job.

Caution: Do not pull breakaway pin for parking brake, as this will result in a constant drain on the battery and run it down.

### 11.2 Wheel Bearing Lubrication

Repack the wheel bearings with a good grade of grease every 6,000 miles or before any major trip. Check tightness of wheel lugs every 1,000 miles.

### 11.3 Tires Inspection

Your Hi-Lo trailer is equipped with first line quality tires, which are designed to provide many miles of service.

Inspect all tires for wear and damage. If general tread wear indicates  $1/16"$  (1.6mm) between any two adjacent tread ribs, the tires should be replaced. Look for abnormal wear patterns such as cupping or feathering of the tread or rapid wear on either the inside or outside of the tread surface. Replace the tire if cuts, bulges, peeling tread or other signs of damage or failure are evident. Remove stones and other objects lodged in tread.

Maintain proper tire pressure. The most common cause of tire failure is improper inflation. Keep an accurate tire gauge in your tool kit. Check tire-pressure cold. A cold tire is one that has been run less than 1 mile (1.6 km).

Note: Do not bleed air out of warm tires.

### 11.4 Exterior Care

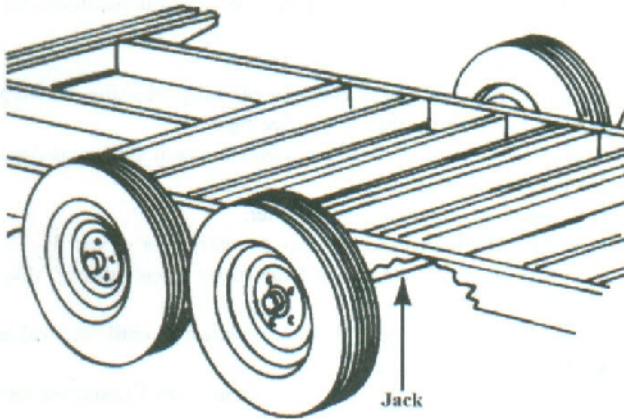
Almost the entire outside surface of your Hi-Lo consists of fiberglass or aluminum that will keep its finish indefinitely if given proper care. Mild soap and water will help retain the natural gloss. Clean top section first in lower position, then raise and clean the bottom section.

Abrasive cleaners should not be used on the exterior.

**The warranty requires that the owner perform minimum maintenance**, which includes washing and waxing the RV siding at least 3 times a year at regular intervals. **Check caulking around all windows, vents and roof seams. If caulking is cracked and dried out, clean and replace.**

### 11.5 Interior Care

Counter top and table: The hard finish surfaces of your counter tops and tables are the same as those in your kitchen at home. While being highly resistant to heat, staining, and abrasion, the same good care will keep them like new for years to come. Simply wipe clean with warm soap and water. Check for any signs of water leaks. Report any suspected leaks to your Hi-Lo dealer immediately. Failure to report leaks in a timely manner may void your warranty.



### Changing a Tire

Place a scissor jack under the frame (on frame only) adjacent to the wheel that is to be removed.

**IMPORTANT INFORMATION →**

Wall paneling - The paneling and ceiling of your Hi-Lo trailer may be of several finishes and textures. Never use detergents or abrasive cleaners on walls or ceilings. Most surfaces will clean with a soft cloth, which has been dampened with furniture polish or wax; avoid the use of large amount of water.

Drapes - Hand wash, line dry.

Floors - Same as your kitchen floor at home. Waxing before extended trip will make floor care easier enroute. A rubber or fiber mat placed outside the door will do wonders in keeping sand and dirt outside. For units equipped with carpet, use mild soap and water to clean soiled spots and a regular vacuum cleaner to pick up sand and dirt.

Appliances - Same as your appliances at home.

#### 11.6 Hitch Inspection and Lubrication

Periodically inspect your ball and hitch assembly for cracked welds and metal fitting. Also check for loose nuts and bolts.

Occasionally lubricate the hitch ball with universal bearing grease, or hitch ball lubricant.

#### 11.7 Battery

Add water and recharge if needed. Disconnect cables; remove battery and store in a cool, dry place. Check monthly and recharge as needed.

#### 11.8 Hydraulic Cylinder

Periodically check your hydraulic cylinder for leaks. If EXCESSIVE leaking occurs, take your trailer to your dealer for repairs. Keep the cylinder support shaft (guide rod) cleaned and well greased.

#### 11.9 Periodic Maintenance Checklist

Check	Function Required	Daily	Weekly	Every 3000 Miles or 6 Months	Every 6000 Miles or 12 Months
Trailer Brakes	Test that they are functioning properly	X			
Air Pressure	Inflate tires to manufacturer's specifications	X			
Lug Nuts*	Tighten to proper torque specifications			X	
Break-Away Switch	Test switch operation, inspect connections			X	
Battery	Maintain charge, inspect connections		X		
Wheel Rims	Inspect for dents, damage, or out of round			X	
Brake Shoes**	Test brake drag and adjust if required			X	
Brake Magnets	Inspect for uneven wear				X
Wheel Bearings and Cups	Inspect for wear or damage and lubricate				X
Hub/Drum	Inspect for heavy scoring or wear				X
Seals	Inspect for damage or wear				X

\*\* Tighten lug nuts every 50 miles for the first 200 miles and after every change in wheel mounting.

\*\* Adjust brakes after first 200 miles, then at above intervals.

## 11. Maintenance (continued)

### 11.10 Extended Storage Considerations

When storing your trailer for extended times it is advisable to do so with the trailer in the lowered position. Be sure to inspect the interior of the trailer for any signs of water leaks, rodents or insect infestation at least every three months. Inspect the exterior of the trailer, paying special attention to the caulking. Reseal any seams, which show signs of pulling away or shrinking. Failure to inspect the trailer may allow a condition to exist, which may void your warranty.

### 11.11 Lubrication of the Lift System

Periodically inspect cables, your cable pulleys and the guide rod for your lift system. Lubricate the cables and pulleys at least every six months with WD-40 lubricant or similar. Inspect the steel guide rod for corrosion. **Clean and lubricate with axle grease at least every six months.**



## 12. Instructions for operating the DVD player and TV monitor using DVDs, TV antenna and cable (if so equipped)

12.1 Turn on the DVD player using the supplied remote (see figures 2 and 8), or by using the button on the top left corner of the faceplate on the DVD player (see figure 1).

12.2 Turn on the TV monitor using the supplied remote (see figure 4) or with the button on the lower left panel of the flip-down monitor (see figure 3). Note: The on/off button on some models is found in a different location, and TV Monitor remote styles may vary in appearance. Two Examples are pictured in figure 4.

12.3 Select the type of playback you wish to use (DVD, TV Antenna or Cable).



Figure 1 (DVD Player - TV Tuner)



Figure 2 (DVD Remote)



Figure 3 (TV Monitor Power Button)



Figure 4 (TV Monitor Remote Examples)



## I. For TV Antenna operation (if so equipped):

- 12.4 Raise the TV antenna with the crank on the ceiling of the trailer (see figure 5).
- 12.5 Be sure the red light on the booster is illuminated. It can be turned on and off by pressing the red button on the TV antenna booster outlet (see figure 6).
- 12.6 Select TV antenna as the "Source" using the supplied DVD player remote (see figures 2 and 8) or on the faceplate of the DVD player (see figure 1). This is done by pressing the source button until "TV" appears on the faceplate of the DVD player (see figure 7).
- 12.7 You can now select the desired channel by pressing the appropriate numbers on the DVD remote (see figure 8)
- 12.8 You may need to fine tune the TV antenna reception by turning, raising or lowering it until you get the best picture. See the TV antenna instructions if you need help with this step (see figure 5).
- 12.9 It is possible, but not required, to have the TV tuner search through all available channels and program them in. You must remember to do this each time you change the input selection. For example, if you move from one location to another, and different TV stations are broadcast, you will need to have the tuner search for new stations. In order to program the stations press the PBC/AST button on the DVD remote (see figure 8). Wait until the scan is complete. You can now scroll through the programmed channels by pressing the up or down arrow buttons on the DVD remote.



Figure 5 (TV Antenna Crank)

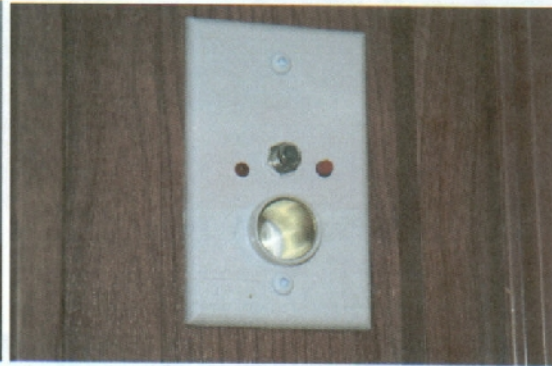


Figure 6 (TV Antenna Faceplate)



Figure 7 (TV Antenna as "Source")



Figure 8 (Source & Channel Buttons)

## II. For **DVD** operation:

- 12.10 Open the faceplate on the DVD player by pressing the extended button on the upper right hand corner of the DVD faceplate (see figure 9). The faceplate will swing down, revealing the DVD/CD insertion slot (see figure 10).
- 12.11 Insert a DVD by sliding it gently into the slot with the label side up (see figure 10). Close the faceplate to continue operation.
- 12.12 The DVD should begin playing automatically. Use the faceplate or the DVD remote to scroll through the menu options (if so programmed) on the DVD (see figure 11).



Figure 9 (open faceplate button – top right)



Figure 10 (DVD Insertion Slot)



Figure 11 (DVD Menu Example)



### III. For **CABLE** operation\*\*:

- 12.13 Attach the cable to the cable input jack on the road-side bottom of the Hi-Lo Trailer (see figure 12). Note: The input jack may look different on different models.
- 12.14 Attach a cable jumper from any CATV jack on the bottom section of your Hi-Lo (see figure 13), to the input jack on your TV.

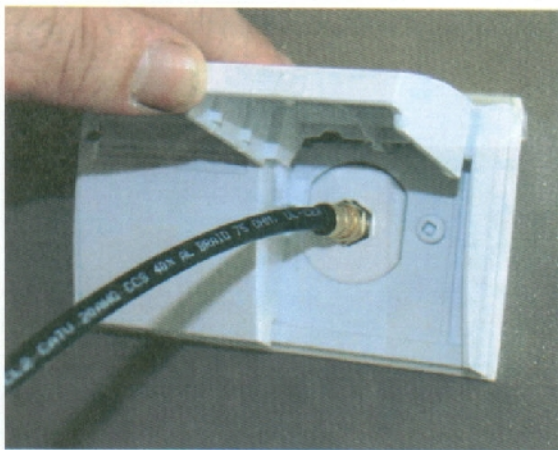


Figure 12 (Cable Input Jack)



Figure 13 (Cable TV Jack with Jumper Wire)

\*\* Note: The DVD Player/TV Tuner is not cable ready. To watch cable stations you must supply your own cable-ready television.



## **WARNING:**

IT IS NOT SAFE  
TO USE COOKING APPLIANCES  
FOR COMFORT HEATING

Cooking appliances need fresh air for  
safe operation. Before operation:

1. Open overhead vent or turn on exhaust fan and;
2. Open Window.

Figure 1

## **IF YOU SMELL GAS:**

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

Figure 2

## **13. SAFETY CONSIDERATIONS**

### **13.1 Additional Safety Considerations**

1. Sanitize the fresh water system periodically (see sanitizing instructions)
2. Prevent water connection fittings from coming in contact with the ground or drain hose to reduce chance of contamination.
3. Never attempt to repair gas or electrical appliances, Enlist services of a qualified technician.
4. Always have a serviceable fire extinguisher located in an easily accessible location. This extinguisher should have a rating of at least 2 BC units.
5. Never overload your vehicle (see limits 2.3).
6. Avoid improper load distribution, which can adversely affect roadability and towing safety (2.3).
7. Insure that tires are in good condition and properly inflated. Watch inflation especially close for tandem wheel models -under-inflated tires get hot. Hot tires are more apt to blow out.
8. Check and tighten wheel lugs regularly. (Torque to 85 lbs.)
9. Test brakes in a safe area, not while traveling on a busy highway.
10. Disconnect television power cord and antenna lead-in during local thunderstorm and lightening activity.
11. Always block trailer wheels before unhitching.
12. Before leaving camp area with a trailer in tow, insure that the safety pin or locking lever is seated, breakaway wire is attached to tow vehicle, and the electrical cord and safety chains are connected.
13. Have wheel bearings cleaned and packed at regular intervals.
14. Check condition of trailer brake magnets and linings periodically.
15. Observe warning labels attached to your vehicle concerning LP-Gas, water, electricity, and loading.
16. All heat producing appliances should be turned off before the trailer is lowered. Also turn off valve at LP-Gas cylinder.
17. Read appliance manufacturer's instructions before attempting to light or operate appliances.
18. Normally store trailer in the lowered position. If stored in the raised position, (for an extended period of time), grease the exposed thrust rod of the hydraulic cylinder.
19. This warning label (figure 1), 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 recreational vehicle and proper ventilation when using the cooking appliance(s) will avoid danger for 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 long periods of time.
20. This warning label (figure 2), has been placed in the vehicle near the range area,
21. Warning: Portable fuel burning equipment including wood and charcoal grills and stoves shall not be used inside recreational vehicles.
22. Warning: Do not bring or store LP gas containers, gasoline or other flammable liquids inside the vehicle because a fire or explosion may result.

23. **Warning** Propane containers shall not be placed or stored inside the vehicle. Propane containers are equipped with safety devices, which relieve excessive pressure by discharging gas to the atmosphere.

24. A warning label has been located near propane container.

This label reads:

*Do not fill container(s) to more than 80 percent of capacity.*

25. Propane regulators must always be installed with the diaphragm vent facing downward. Regulators that are not in compartments have been equipped with a protective cover. Make sure that regulator vent faces downward and that cover is kept in place to minimize vent blockage, which could result in excessive gas pressure causing fire or explosion.

### 13.2 Safety When Emergency Stopping

Always carry road flares and/or reflective triangular highway warning devices to be displayed when necessary. Pull off the roadway as far as possible when changing flats or for emergency situations. Turn on your vehicular hazard warning flashers when parked alongside a roadway, if only for a few minutes. Get members of your family out of the RV and have them stand clear of the vehicle area when parked on the edge of a highway.

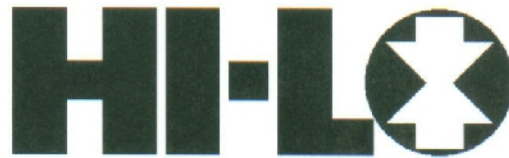
### 13.3 Reporting Safety Defects

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

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 HI-LO TRAILER CO.

To contact NHTSA, you may either call the Auto Safety Hotline toll free at 1-888-327-4236 or write to NHTSA, 400 Seventh St., S.W., Washington D.C. 20590. You can also obtain other information about motor vehicle safety from the Hotline.





## **LIFETIME LIMITED WARRANTY ON HYDRAULIC LIFTING SYSTEM**

HI-LO Trailer Co., 500 South Main Street, Bellville, Ohio 44813, warrants that it will replace any part of your Hi-Lo hydraulic lifting system (excluding the battery), which becomes broken or inoperative due to defect in material or workmanship. Adjustment of the cables and power units are not included.

This warranty is extended only to the original purchaser of the HI-LO trailer in which the hydraulic lifting system is installed.

Damage while in the possession of the consumer resulting from lack of proper care, negligence, use other than as recommended by the "Care & Use Manual", or from the involvement of the HI-LO trailer in a collision or other accident is not covered by this warranty. The warranty does not cover any trailer, which has been leased, loaned, rented or used commercially.

The Hi-Lo trailer must be returned to the HI-LO dealer for routine inspection and where applicable, service during the 24 months immediately following date of sale.

Implied warranties on your HI-LO hydraulic lifting system shall be in effect only for the duration of the express warranties and upon conclusion of the express warranties, there shall be no warranties express or implied (including merchantability and fitness for purpose) on your HI-LO hydraulic lifting system.

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

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

## **HOW TO OBTAIN SERVICE**

To obtain service under this warranty, return your HI-LO trailer to the Hi-Lo dealer who sold you the trailer. The dealer will provide a free replacement part for any of the hydraulic lifting system found to be defective. There will be no charge for labor for removal and replacement during the first 72 months from date of purchase of the trailer.

The HI-LO Certified Customer Care registration card must be returned to Hi-Lo within 5 days from date of purchase for the warranty to be effective.