

LCI ELECTRONIC LEVELING w/Remote Operation CLASS A LEVELING SYSTEM

OPERATION AND SERVICE MANUAL

SYSTEM

WARNING!

FAILURE TO ACT IN ACCORDANCE WITH THE FOLLOWING MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

THE USE OF THE LIPPERT ELECTRONIC LEVELING SYSTEM TO SUPPORT THE COACH FOR ANY REASON OTHER THAN WHICH IT IS INTENDED IS PROHIBITED BY LIPPERT'S LIMITED WARRANTY. THE LIPPERT LEVELING SYSTEM IS DESIGNED AS A "LEVELING" SYSTEM ONLY AND SHOULD NOT BE USED TO PROVIDE SERVICE FOR ANY REASON UNDER THE COACH SUCH AS CHANGING TIRES OR SERVICING THE LEVELING SYSTEM.

LIPPERT COMPONENTS, INC. RECOMMENDS THAT A TRAINED PROFESSIONAL BE EMPLOYED TO CHANGE THE TIRE ON THE COACH. ANY ATTEMPTS TO CHANGE TIRES OR PERFORM OTHER SERVICE WHILE COACH IS SUPPORTED BY THE LIPPERT LEVELING SYSTEM COULD RESULT IN DAMAGE TO THE MOTOR HOME AND/OR CAUSE SERIOUS INJURY OR DEATH.

- BE SURE TO PARK THE COACH ON SOLID, LEVEL GROUND.
- CLEAR ALL JACK LANDING LOCATIONS OF DEBRIS AND OBSTRUCTIONS. LOCATIONS SHOULD ALSO BE FREE OF DEPRESSIONS.
- WHEN PARKING THE COACH ON EXTREMELY SOFT SURFACES, UTILIZE LOAD DISTRIBUTION PADS UNDER EACH JACK.
- ◆ PEOPLE AND PETS SHOULD BE CLEAR OF COACH WHILE OPERATING LEVELING SYSTEM.
- BE SURE TO KEEP HANDS AND OTHER BODY PARTS CLEAR OF FLUID LEAKS. OIL LEAKS IN THE LIPPERT LEVELING SYSTEM MAY BE UNDER HIGH PRESSURE AND CAN CAUSE SERIOUS SKIN PENETRATING INJURIES.
- NEVER LIFT THE COACH COMPLETELY OFF THE GROUND. LIFTING THE COACH SO THE WHEELS ARE NOT TOUCHING GROUND WILL CREATE AN UNSTABLE AND UNSAFE CONDITION.

PRIOR TO OPERATION

The leveling system shall only be operated under the following conditions:

- The coach is parked on a reasonably level surface.
- The coach "PARKING BRAKE" is engaged.
- The coach transmission should be in the neutral or park position
 Be sure all persons, pets and property are clear of the coach while Lippert Leveling System is in operation.

SYSTEM DESCRIPTION

Please read and study the operating manual before you operate the leveling system.

The Lippert Electronic Leveling System is an electric/hydraulic system. A 12V DC electric motor drives a hydraulic pump that moves fluid through a system of hoses, fittings and jacks to level and stabilize the coach.

The Lippert Electronic Leveling System is totally integrated into the chassis of the coach at the manufacturer.

There are no serviceable parts within the electric motor. If the motor fails, Pump Unit must be replaced.

Disassembly of the Pump Assembly voids the warranty.

Mechanical portions of the Lippert Electronic Leveling System are replaceable. Contact Lippert Components, Inc. to obtain replacement parts.

COMPONENT DESCRIPTION

The Lippert Electronic Leveling System consists of the following major components:

Lippert jacks are rated at a lifting capacity appropriate for your coach. Each jack has a 9" diameter (63.5 square inch) shoe on a ball swivel for maximum surface contact on all surfaces. (12" dia. - 113 sq. in. shoe also available).

Each jack is powered from a central 12VDC motor/pump assembly, which also includes the hydraulic oil reservoir tank, control valve manifold, and solenoid valves.

The Lippert Electronic Leveling System is controlled electronically from the driver's seat of the coach. The control panel is mounted in the dash. The system can be operated in a manual mode or a fully automatic mode.

FLUID RECOMMENDATION

The Lippert Electronic Leveling System is pre-filled, primed and ready to operate direct from the manufacturer. Type "A" Automatic Transmission Fluid (ATF) is utilized and will work. ATF with Dexron III or Mercon 5 or a blend of both is recommended by Lippert Components, Inc. In colder temperatures (less than 10° F) the jacks may extend and retract slowly due to the fluid's molecular nature. For cold weather operation, fluid specially formulated for low temperatures may be desirable. Please consult factory before using any other fluids.

PREVENTATIVE MAINTENANCE PROCEDURES

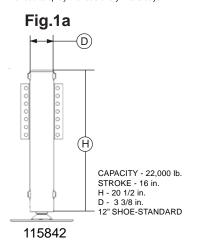
- 1. Change fluid in RESERVOIR ONLY every 36 months.
 - a) Check fluid only when jacks are fully retracted
 - b) Always fill the reservoir with the jacks in the fully retracted position. Filling reservoir when jacks are extended will cause reservoir to overflow into its compartment when jacks are retracted.
 - c) When checking fluid level, fluid should be within 1/4" of fill spout lip.
- 2. Check the fluid level every month.
- 3. Inspect and clean all Pump Unit electrical connections every 12 months. If corrosion is evident, spray unit with WD-40 or equivalent
- 4. Remove dirt and road debris from jacks as needed.

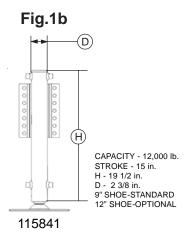
WARNING!

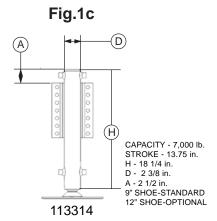
Your coach should be supported at both front and rear axles with jack stands before working underneath.

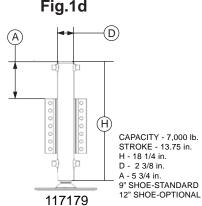
Failure to do so may result in personal injury or death.

5. If jacks are down for extended periods, it is recommended to spray exposed leveling jack rods with a silicone lubricant every seven days for protection. If your coach is located in a salty environment, it is recommended to spray the rods every 2 to 3 days.



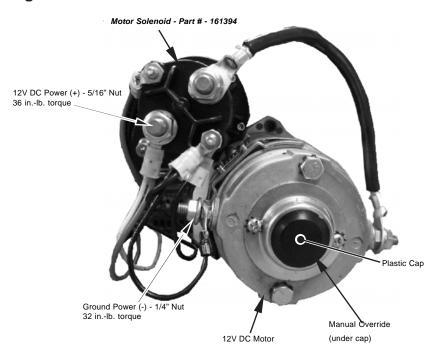






 $\underline{\textbf{NOTE}}$ - OEM to supply attachment brackets for leveling jacks.

Fig. 2



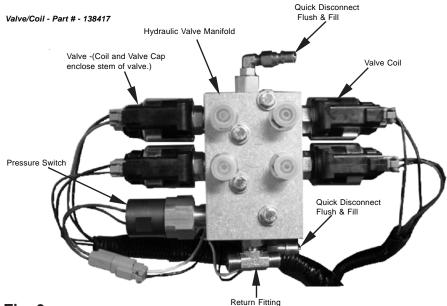


Fig. 3

CONTROLS

FEATURES

- · Automatic extension of jacks from full retract position (with automatic ground detection).
- · Automatic leveling of jacks.
- Manual leveling of jacks
- Automatic retraction of jacks (with automatic full retract detection).
- Air bag suspension features (configurable on/off).
- Emergency retract/User alarm mode (jacks not retracted and park brake disengaged).
- · Automatic jack error detection and error mode.
- Configuration mode for Air features
- Configurations mode for Leveling Zero Point.
- Remote operation.

SYSTEM WIRING REQUIREMENTS

- Battery power (2 ga. SAE J1127. Type SGX).
 Battery ground (2 ga. SAE J1127. Type SGX).
- · Logic power (switched via ignition)
- Power brake signal (open=park brake disengaged, GND=park brake engaged).
- · 4-wire harness connecting Controller to Touch Panel.
- Jacks status input-Switched to GND Jacks not all up switch closed to ground Jacks all up switch open

AIR AND AUXILIARY FEATURES

(When Applicable)

System has the option to control external Air and Auxiliary features.

When enabled, the feature works according to the following logic:

- · Air bag pressure automatically lowered when starting the auto or manual sequence to maximize lift of jacks.
- · An Auxiliary mode activated when starting an auto retract sequence to fill air bags.
- Auxiliary is active when jacks are all retracted and park brake is disengaged to fill airbags.

LEVEL ZERO POINT CALIBRATION

Before auto-leveling features are available, the Level Zero point must be set. This is the point to which the system will return when an auto leveling cycle is initiated.

To set the zero point (controller module must be fully secured in production intent location), first run a manual leveling seguence to get the vehicle to the desired level point. Then activate the Level Zero point configuration mode.

This mode is enabled by performing the following sequence:

1. Turn panel off. Then turn panel on.

- 2. Perform the following:
 - -Press the FRONT switch 5 times.
 - -Press the REAR switch 5 times.
- 3. At this point all LED outputs will blink, and the buzzer will be off.
- 4. You are now in IDLE mode ready to set Zero Point.
- 5. With a carpenter's level, manually level the coach. This will give the leveling controls the reference point for the Zero Point Configuration.
- 6. When coach is completely leveled manually press the RETRACT ALL switch 3 times to set the zero point.

For DIESEL UNITS with Airbag Suspensions ONLY:

NOTE - You may also enter zero mode per above at anytime the system is in IDLE mode. The user then has control to extend any pair of jacks while in zero mode in order to position the vehicle properly prior to programming.

AIR AND AUXILIARY FEATURE CONFIGURATION

For DIESEL UNITS with Airbag Suspensions ONLY:

- Feature is entered ONLY after zero mode programming.
- At this point the WAIT LED will blink for 20 seconds. You are now in Air/Auxiliary Feature Configuration mode.

To enable Air Auxiliary features, perform the following:

- Press the RETRACT ALL switch 3 times
- User must do this within 20 seconds of entering this mode.

To disable Air features, perform the following:

- · Do nothing
- · After 20 seconds, module will exit mode with features disabled.

ERROR MODE

If any problem is detected with the jacks, the system will enter error mode. Error mode may be recognized by the blinking of LEFT, CENTER LCI and RIGHT LEDs.

The following errors are detected by this system:

Jack over current/short circuit.

Jack under current/ open circuit.

Jack extending too long (ground not detected after 2 min.).

Jack retracting too long (fully retracted not detected after 2 min.).

Out of stroke detection during auto cycle (if enabled).

The user must respond by pressing ON/OFF switch, which resets operation.

All normal features are disabled in Error mode.

If panel loses communication with the controller for more than 5 seconds, the panel will blink the JACKS DOWN, PARK BRAKE and ON/OFF (if included) LEDs.

USER ALARM MODE

If the alarm system detects that the park brake has been disengaged while at least one jack is not fully retracted and the sensor value changes in any axis more than a predefined amount, the panel will signal this error to the user.

When in alarm mode, all LEDs will flash and the buzzer will beep. The Status LEDs will show the system status.

The system performs an automatic retract.

No other features are available in this mode.

MISCELLANEOUS

- · The system will automatically shut down after 4 minutes of no operation.
- Auto leveling cycle cannot be started until all jacks are fully retracted. Make sure jacks are retracted before attempting to auto level (unit will perform full retract automatically if jacks are not down on the request of an auto cycle).
- · System will refuse any operation when a low voltage condition is present.
- System will automatically alarm and retract if park brake is disengaged and jacks are not retracted with any change in sensor readings. In alarm mode, the only available feature is to retract all jacks.
- · Please note the Wait LED shows the status of Air/ Auxiliary features.

NOTE - The LEDs blink differently when in special controller modes (error, alarm, and configuration). Learning how to recognize these modes is important. Excess slope LED blinks whenever the Y axis (vehicle length) is over 5° from programmed level point.

LOW VOLTAGE SIGNAL

If LOW VOLTAGE light is on solid, it is an indication of a charging system problem. Turn ignition OFF and then back ON to reset system. If LOW VOLTAGE light persists, test battery under load at battery and at the motor solenoid on the pump unit. Check all power and ground connections at the battery, alternator and chassis.



LATCHED ERROR mode is "WAIT," "JACKS DOWN," "PARK BRAKE," "EXCESS SLOPE" AND "LOW VOLTAGE" lights flashing.

- 1. Battery voltage below 10.0V DC.
- 2. Retract time over 67 seconds in auto retract.
- 3. This is the only LATCHED ERROR MODE.
- 4. All revisions prior to "G" controllers treat this error as regular ERROR mode.

To RESET, push all 4 diamond-shaped jack buttons at the same time.

OPERATION

SELECTING A SITE

When the coach is parked on an excessive slope the leveling requirements may exceed the jack lift stroke capability. If the coach is parked on an excessive slope, the coach should be moved to a more level surface before the leveling system is deployed.

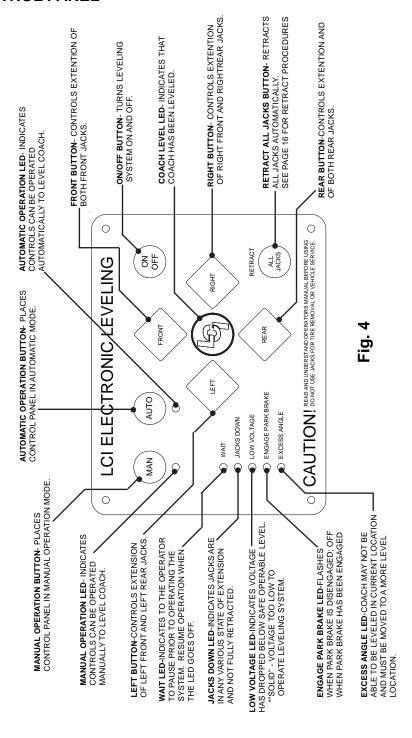
AUTOMATIC LEVELING PROCEDURE

NOTE - REFER TO FIG. 4 FOR QUESTIONS REGARDING LOCATION AND FUNCTIONS OF THE LIPPERT COMPONENTS, INC. ELECTRONIC LEVELING SYSTEM.

NOTE - Coach must be running for LCI Electronic Leveling System to operate.

- Push ON/OFF button on Control Panel. The system is now operational and the electronic level lights will become active.
 Check to see that the Control Pad ENGAGE PARK BRAKE light is not flashing.
- NOTE Engage Parking Brake if ENGAGE PARK BRAKE light is flashing.
- 3. Push the AUTO button to begin the automatic leveling cycle.

CONTROL PANEL



WARNING!

After starting the automatic leveling cycle it is very important that you do not move around in the coach until the unit is level and the green LCI logo light illuminates in the center of the touch pad. Failure to remain still during the leveling cycle could have an affect on the performance of the leveling system.

4. If further adjustments are necessary, simply push and hold the MAN button for approximately 5 seconds until the light under this button is illuminated. Push the appropriate leg button to override the system and level the coach to your liking.

WARNING!

NEVER LIFT ALL THE WHEELS OFF THE GROUND TO LEVEL THE COACH! Lifting all wheels of the ground may resultin serious personal injury or death.

5. Push ON/OFF button to de-energize the system.

MANUAL LEVELING PROCEDURES

NOTE - When leveling your coach, the coach should be leveled from FRONT TO REAR first (step 2-4). When the coach is level from FRONT TO REAR, then level the coach from LEFT TO RIGHT (step 5).

NOTE - Coach must be running for LCI Electronic Leveling System to operate.

- 1. Push ON/OFF button on control panel. The system is now operational and the ON/OFF light will be lit.
- 2. Push and hold MAN button for 5 seconds.
- 3. Push FRONT button until jacks contact the ground and lift the front of the coach 1-2 inches.
- 4. Push REAR button until jacks contact the ground and lift rear of coach. Keep button depressed until bubble is centered.
- Push LEFT or RIGHT button; if bubble is towards left of coach, push RIGHT button; if bubble is towards right of coach push LEFT button. Keep button depressed until bubble is centered in vial.
- NOTE The right and left jacks are used to level the coach side to side. Pushing the LEFT button on the control panel will extend both left jacks. Pushing the RIGHT button on the control panel will extend both right jacks. Jacks always work in pairs, both front jacks; both right side jacks, etc.
- 6. Repeat steps 2 through 5 if needed.
- 7. Turn power off to leveling system by pushing ON/OFF button.
- Visually inspect all jacks to ensure all shoes are touching ground. Should one of the rear jack shoes not be touching the ground, press the corresponding LEFT or RIGHT rear jack buttons to lower the corresponding jack to the ground.

WARNING

NEVER LIFT ALL THE WHEELS OFF THE GROUND TO LEVEL THE COACH! Lifting all wheels of the ground may result in serious personal injury or death.

JACK RETRACT PROCEDURES

- 1. Energize the system by pushing ON/OFF button on control panel. The ON/OFF light will be lit.
- Push the RETRACT ALL JACKS button. All the jacks will start to retract and returns to the full retract position. When all jacks return to full retract position the JACKS DOWN light will go out.

NOTE - If you wish to stop the jacks from retracting, turn the system off and back on again by pushing the on/off pad twice. You can then re-level the coach by following steps 1-5 again.

When the JACKS DOWN light goes out, push the ON/OFF button on the Control Panel to deenergize the system. After a brief visual inspection around the coach to verify the jacks are fully retracted, you may proceed to travel.

NOTE - When in the MANUAL mode, if the RETRACT button is pushed the jacks will only retract as long as the RETRACT button is depressed. In AUTOMATIC mode, the RETRACT button need only be pressed once and released for the jacks to fully retract.

REMOTE LEVELING OPERATION

TO BEGIN - INSIDE COACH: Push ON/OFF button. ON/OFF LED on TOUCH PANEL will illuminate. LED at REMOTE SWITCH will also illuminate.

OUTSIDE COACH: Push ROCKER SWITCH for operation. Ready to operate.

AUTOMATIC MODE - Push ROCKER SWITCH and release toward AUTO LEVEL position. A slowly blinking LED indicates Automatic Leveling Operation in progress. Operation completion is indicated by LED at ROCKER SWITCH flashing rapidly for 2 seconds and will then stay illuminated until control unit times out.

ALL RETRACT - Push ROCKER SWITCH and release toward ALL RETRACT position. The slowly blinking LED indicates ALL RETRACT in progress. Operation completion is indicated by LED at ROCKER SWITCH flashing rapidly for 2 seconds and will then stay illuminated until control unit times out.

STOPPING EXTEND/RETRACT MID-OPERATION - Press the ROCKER SWITCH towards AUTO LEVEL or ALL RETRACT to stop operation of LEVELING SYSTEM or press the ON/OFF button on the TOUCH PANEL inside the coach.

RESTARTING ALL RETRACT AFTER MID OPERATION STOP - To restart ALL RETRACT after it had been stopped mid-operation, press the ROCKER SWITCH and release in the ALL RETRACT position.

RESTARTING AUTO LEVEL AFTER MID OPERATION STOP - To restart AUTO LEVEL after it had been stopped mid-operation, press the ROCKER SWITCH and release in the ALL RETRACT position to retract jacks completely. After jacks are completely retracted, press ROCKER SWITCH and release in the AUTO LEVEL position.

MANUAL OVERRIDE - JACKS

In the event that the jacks will not extend or retract, the valves can be manually overridden. By using a 5/32" allen wrench (Pre-2006 model year, see update below) to turn the manual override clockwise on the valve, see Fig. 5a, the leveling jacks can then be extended or retracted. Remember to turn the manual override completely counterclockwise, see Fig. 5b, until it will no longer turn, to close the valve after the jacks have been completely extended or retracted.



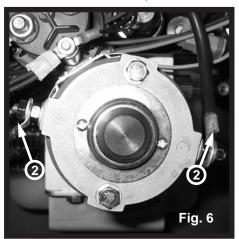
Clockwise for manual override



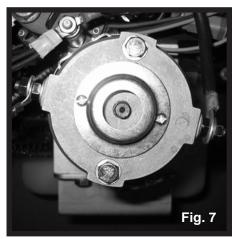
Counter-clockwise for normal operation

MANUAL OVERRIDE - POWER SYSTEM

The Lippert Electronic Leveling System can be run with auxiliary power devices like electric drills, ratchet wrenches or cordless screwdrivers. In the event of electrical or system failure, this manual method of extending and retracting the jacks can be used. A standard handheld drill is all that is required. See the instructions below.



- 1. Remove plastic cap. (See Fig 6).
- 2. Disconnect power cables on the motor.
- Using a 1/2" socket, insert into auxiliary drive device, i.e. cordless or power drill



- Insert 1/2" socket onto coupler found under plastic capl, Fig. 7.
- 5. Run drill in reverse or counterclockwise to retract jacks.

AUTOMATIC SAFETY SHUTOFF

If the control panel is left on and inactive for four minutes it will shut off automatically. To reset the system the coach ignition must be turned off, then back on and the ON/OFF button must again be pushed.

DRIVE AWAY PROTECTION SYSTEM

If the ignition is in the "RUN" position, jacks are down, and the operator releases the parking brake, all indicator lights will flash and the alarm beeper will activate. The system will then automatically retract the jacks until the jacks are fully retracted or the operator resets the parking brake.

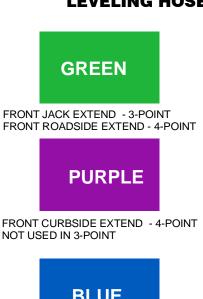
"JACKS DOWN" ALARM

The Lippert Electronic Leveling System is designed to sound an alarm and illuminate the control panel in the event of two (2) possible scenarios:

- 1. A "RETRACT" hose leaks.
- 2. The pressure holding the jacks in the retracted position falls to a approximately 1500 psi to sound the alarm. If the alarm sounds and the control panel illuminates and flash while driving the vehicle;
- 3. Immediately find an area to safely pull the vehicle off of the roadway.
- 4. Set the PARKING BRAKE.
- 5. Inspect all jacks hoses and check valve for leaks.
- 6. If no leaks are observed:
 - a. Turn control panel "ON."
 - b. Push "RETRACT ALL JACKS" button.
 - c. Wait until "JACKS DOWN" light and alarm are off.
 - d. Inspect jacks. If jacks are retracted and no leaks are observed, vehicle can be driven.

If system is leaking or alarm does not subside after applying the above procedure, disconnect wires from pressure switch and proceed immediately to a service center. For prolonged travel to the service center, be sure to stop and check the disposition of the leveling jacks every so often to make sure they are not extending.

LEVELING HOSE COLOR CHART







REAR RETRACT



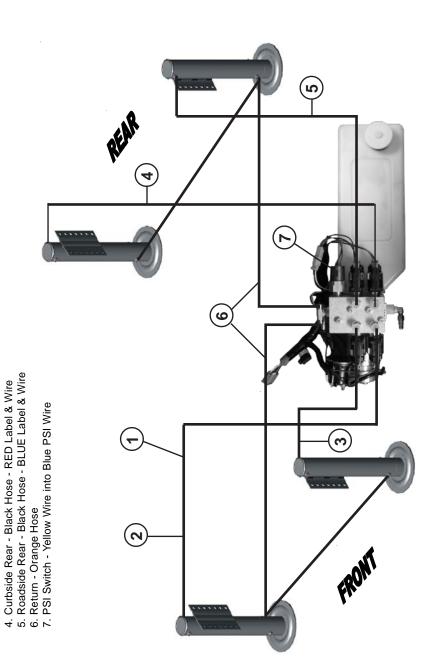
REAR CURBSIDE EXTEND





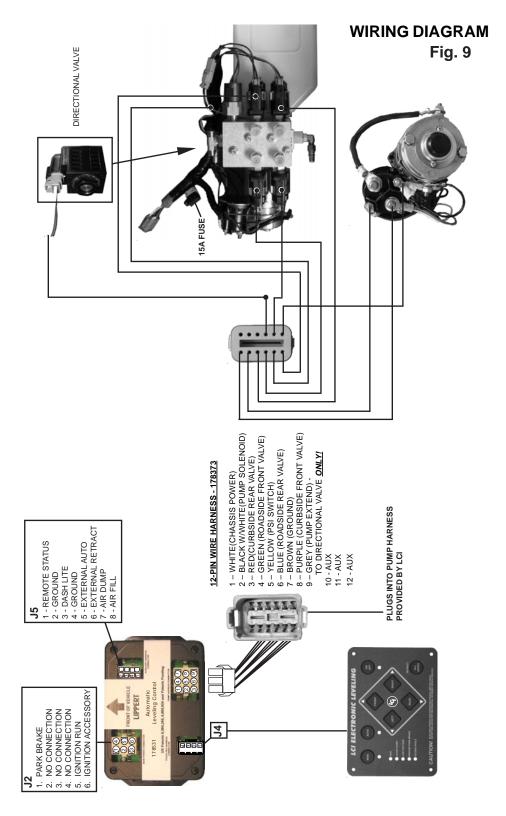
REAR CROSSOVER

PLUMBING DIAGRAM Fig. 8



1. Hoses will vary in length by coach model. Measure hose and consult LCI Service. Curbside Front - Black Hose - PURPLE Label & Wire 3. Roadside Front - Black Hose - GREEN Label & Wire

Hose Specs. 3000 p.s.i.; 1/2" in. I.D.



BILL OF MATERIALS

LCI P/N	SUB	WINN P/N	Details	QTY
176556		167612-01-000	Kit; Hardware plus Harnesses	1
	178748		Bolt; .50"- 13 x 1 1/2" Hex Cap, GR8, Zinc	40
	162838		Washer - 1/2" x 0.86" x 0.125", Lock, Zinc	40
	141109		Fitting; ORFS Hose; Straight	4
	141610		Fitting; ORFS Hose; Elbow	6
	178372		Harness; 21' 12-Way Deutsch Pump	1
	178375		Harness; Touch Pad	1
178571		167616-01-000	Power Unit w/ Pump Harness	1
	178373		Harness; Deutsch Leveling Pump	1
175225		167613-01-000	Touch Panel; 4-Point	1
113314		167614-01-000	Jack; 7K High; Front w/9" Foot Pad	2
175176		167614-02-000	Jack; 12K High; Rear w/9" Foot Pad	2
178531		167617-01-000	Control Module	1
176557		167618-01-000	Kit; Hose	1
	177191		Hose; Extend 5' Pump to Left Front Jack	1
	177192		Hose; Extend 10' Pump to Right Front Jack	1
	177193		Hose; Extend 22' Pump to Left Rear Jack	1
	177194		Hose; Extend 26' Pump to Right Rear Jack	1
	177195		Hose; Retract 10' Right Front Jack to Left Front Jack	1
	177196		Hose; Retract 5' Left Front Jack to Pump	1
	177197		Hose; Retract 8' Right Rear Jack to Left Rear Jack	1
l	177198		Hose; Retract 22' Left Rear Jack to Pump	1

TROUBLESHOOTING CHART

SYSTEM WILL NOT TURN ON AND ON/OFF INDICATOR LIGHT DOES NOT ILLUMINATE

PROBABLE CAUSE Coach Ignition not in RUN position Parking brake not set Controls have been on for more than four minutes and have timed out.

CORRECTIVE ACTION Turn ignition to RUN position

Set parking brake Turn ignition OFF and then back ON

CONTROL PAD TURNS ON BUT TURNS OFF WHEN LEG BUTTON IS PUSHED

PROBABLE CAUSE Low voltage on battery

CORRECTIVE ACTION Start coach to charge battery

CONTROL PAD TURNS ON, COACH WILL NOT AUTO-LEVEL, JACKS DOWN LIGHT IS ON, JACKS ARE RETRACTED

PROBABLE CAUSE CORRECTIVE ACTION Low fluid level Check fluid level in reservoir, if fluid is low add fluid to 1/2" from top of reservoir with

> If JACKS DOWN light remains on call Lippert Service.

iacks retracted.

JACKS WILL NOT EXTEND TO GROUND, PUMP IS RUNNING

PROBABLE CAUSE Little or no fluid in reservoir

CORRECTIVE ACTION Fill reservoir with DEXRON III ATF to 1/2" from top of reservoir with jacks retracted. See pg. 1 Clean, repair or replace

Leg valve is inoperative Electronic signal is lost between control and leg valves

Trace wires for voltage drop or loss of signal Repair or replace necessary wires or replace control pad

ANY ONE OR TWO JACKS WILL NOT RETRACT

PROBABLE CAUSE Hose damaged or unconnected Return valve inoperative Electronic signal is lost between control and solenoid

CORRECTIVE ACTION Replace with new hose or reconnect hose Replace inoperative return valve Attempt to retract jacks in MANUAL mode. If successful, replace control pad; if not, test for voltage drop between control pad and leg valve repair bad wiring or replace defective board or valve.

"JACKS DOWN" LIGHT DOES NOT GO OUT WHEN ALL JACKS ARE RETRACTED

PROBABLE CAUSE Low fluid level

CORRECTIVE ACTION Fill reservoir to proper level with ATF to 1/2" from top of reservoir with jacks retracted. See pg. 1

Retract pressure switch inoperable

Check connection or replace

ALARM SOUNDS AND "JACKS DOWN" LIGHT STARTS FLASHING WHILE TRAVELING ACKS ARE FULLY RETRACTED

PROBABLE CAUSE CORRECTIVE ACTION Fill reservoir to proper level with ATF to 1/2" from top of reservoir with jacks retracted. See pg. 1 Low fluid level

Retract pressure switch inoperable Check connection or replace

JACK BLEEDS DOWN AFTER BEING EXTENDED PROBABLE CAUSE

CORRECTIVE ACTION

Valve Manual Override open Close override, See pg. 8

CONTROL PAD POWERS UP; "LOW VOLTAGE" LIGHT FLASHES PROBABLE CAUSE CORRECTIVE ACTION

Engine not running Start coach engine

"LOW VOLTAGE" LIGHT ON SOLID

PROBABLE CALISE CORRECTIVE ACTION Charging system faulty Turn key OFF; then, back ON again to reset Check power and ground connections on

battery, alternator and chassis

NO POWER TO CONTROL PAD

PROBABLE CALISE CORRECTIVE ACTION

Tripped circuit breaker Reset Ignition not ON Turn ON

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