



LEVEL-UP[®] WITH
ONECONTROL[™] TOUCH PANEL
OWNER'S MANUAL

L I P P E R T
C O M P O N E N T S[®]

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System Information

The LCI Level-Up® OneControl™ Touch Panel is an automatic leveling system control for fifth wheel applications. It interfaces to the LCI Level-Up pump/jack system to level the trailer. The system utilizes one main control board and a separate waterproof remote level sensor to measure and manage level point, and can be operated from several user interface devices, including:

Auto Leveling Control Touch Pad - Mounted outside the trailer within view of the hitch.

MyRV® OneControl Touch Panel (OCTP) - Mounted on a wall inside the living space of the trailer.

MyRV OneControl Leveling App - The app is available on iTunes® for iPhone® and iPad® and also on Google Play™ for Android™ users. iTunes®, iPhone® and iPad® are registered trademarks of Apple Inc. Google Play™ and Android™ are trademarks of Google Inc.

Linc® Remote Control - Optional.

The LCI Level-Up OneControl Touch Panel is for fifth wheel applications only.

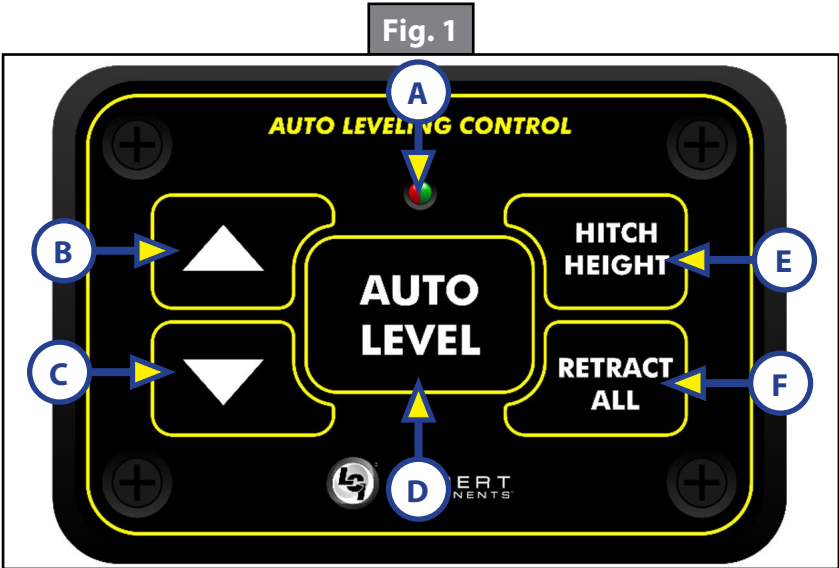
Safety Information

Be sure to park the trailer on solid, level ground. Ensure all jack landing locations are cleared of debris and obstructions and also free of depressions. People and pets should be clear of trailer while operating the leveling system. Ensure the battery of the trailer is fully charged or that the trailer is plugged into shore power prior to attempting to operate the system. Level-Up requires a minimum of 12.75V DC from the battery for proper operation. Be sure to keep hands and other body parts clear of fluid leaks. Hydraulic fluid leaks in the Lippert Leveling System may be under high pressure and can cause serious skin-penetrating injuries.

WARNING

Lippert Components Inc. recommends that a trained professional be employed to change the tires on the trailer. Ensure that the trailer is properly supported with jack stands, or other adequate devices, under the frame of the trailer prior to commencing any service or repair procedure. Any attempts to change the tires or perform other service while trailer is supported solely by the LCI Level-Up could result in death, serious injury, trailer or property damage.

Touch Pad Diagram - Auto Leveling Control



Callout	Description	
A	Red/Green LED - Indicates the status of the system.	
B	Up Arrow - Extends front jacks (landing gear).	To turn on the touch pad, press the Up and Down arrow buttons at the same time.
C	Down Arrow - Retracts front jacks (landing gear).	
D	Auto Level Button - Places leveling system into auto level mode.	
E	Hitch Height Button - Initiates the Hitch Recognition feature.	
F	Retract All Button - Places leveling system into full retract mode.	

Red/Green LED Indicator

What Is Happening?	Why?
Off	Touch pad is locked.
Solid Green	Touch pad is active.
Blinking Green	Jacks are moving.
Solid Red	Low battery.
Blinking Red	Error - Refer to OneControl™ Touch Panel screen or the Leveling App for the specific error, then consult the Troubleshooting section of this manual to clear the error.

Operation - Auto Leveling Control Touch Pad

Unhitching Instructions

NOTE: Prior to unhitching from the tow vehicle, ensure trailer is parked on a level surface and chock the tires of the trailer.

1. To turn on the touch pad, press both "UP" and "DOWN" arrows (Fig. 1B and Fig. 1C) at the same time. The green indicator LED (Fig. 1A) will turn on.

NOTE: The touch pad will remain on as long as the user is pressing buttons. It will time out after approximately 7 minutes without use.

2. Press the "UP" arrow (Fig. 1B) to extend the front jacks and lift the front of trailer to take the weight of the trailer off of the hitch.
3. Uncouple the trailer connection on the tow vehicle.
4. Pull tow vehicle away and park at a safe distance.

Auto Level

NOTE: Once the automatic leveling cycle has been started, it is important that there is no movement in the trailer until the trailer has completed the leveling process. Failure to remain still during the leveling cycle could have an effect on the performance of the leveling system.

1. After unhitching from tow vehicle press "AUTO LEVEL" (Fig. 1D).

NOTE: Pressing any button during an Auto Level sequence will abort the auto leveling cycle.

Auto Level Sequence

NOTE: Sequence may vary slightly based on the height of the trailer king pin prior to leveling.

1. When the Auto Level sequence begins, the front of the trailer will seek a position near a level state, then the trailer will level from front to back.
2. The left side jack(s) extend to ground (left mid and left rear).
3. The right side jack(s) extend to ground (right mid and right rear).
4. Jack pairs will extend as needed in order to level the trailer.

NOTE: Step 4 may repeat several times if the controller deems necessary.

NOTE: If the AUTO LEVEL sequence does not perform as described above, place the system in manual mode and test that the jacks operate correctly by pushing their coordinating buttons on the OneControl Touch Panel inside the trailer; e.g., "FRONT" button operates only the front jacks, etc. See Operation - MyRV OneControl Touch Panel in this manual.

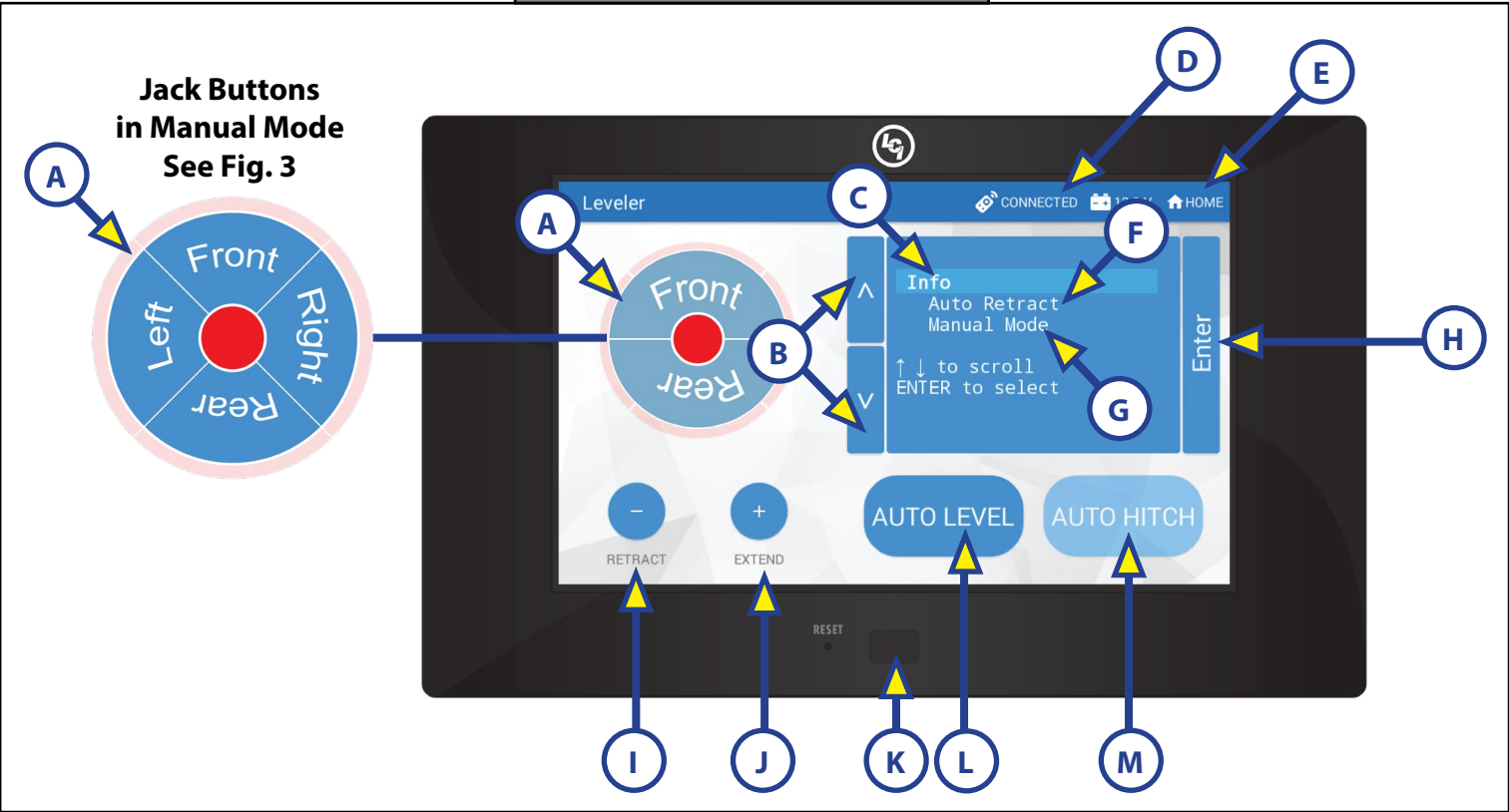
Hitch Recognition - Reconnecting to Tow Vehicle

1. To turn on the touch pad, press both "UP" and "DOWN" arrows (Fig. 1B and Fig. 1C) at the same time. The green indicator LED (Fig. 1A) will turn on.
2. Press "HITCH HEIGHT" (Fig. 1E). The rear jacks will retract.
3. The front of the trailer will raise to the height where the auto level sequence was started.

NOTE: If the front of the trailer was below level when the Auto Level process was initiated, the hitch recognition feature will retract the rear jacks but will not retract the front jacks to lower the trailer to the initial hitch height. This feature helps prevent injury and/or damage to anything underneath the trailer.

4. Connect tow vehicle and make sure trailer and hitch are connected and locked.
5. Press "RETRACT ALL" System will immediately retract all jacks.

Fig. 2 - Leveling Standard Mode



Callout	Description
A	Jack Buttons - Select front, rear, right and left jacks to be operated depending on mode. Jacks available to be operated will be highlighted in blue. In Standard Mode (Fig. 2), only front and rear jacks are available to be operated. In Manual Mode (Fig. 3), all jacks are available to be operated.
B	Up and Down Arrows - Scrolls through options on screen.
C	Info - Displays system information, e.g. angle, jack stroke or software version.
D	Connected Icon - Press 6 times to program zero point/ wireless configurations.
E	Home Icon - Returns screen to home page.
F	Auto Retract - Enters Auto Retract mode to retract all jacks.
G	Manual Mode - Enters Manual Mode to manually operate jacks.
H	Enter - Push to select various modes.
I	Retract - Retracts jacks in several modes. Jacks available will be highlighted in blue.
J	Extend - Extends jacks in several modes. Jacks available will be highlighted in blue.
K	Power Button - Turns touch panel on and off.
L	Auto Level - Starts the Auto Level sequence.
M	Auto Hitch - Returns trailer to previous hitch height for reconnecting to tow vehicle.

Operation - MyRV OneControl Touch Panel

Standard Mode and Menu

To reach Standard Mode (Fig. 2) for leveling:

1. Power on the OneControl Touch Panel (Fig. 2K).
2. Press "MyRV Control Panel" on the main screen.
3. Press the "Leveler" icon.
4. The screen will show the system menu (Fig. 2) for Standard Mode. The front jacks can be extended/retracted in Standard Mode. Rear jacks can be retracted from this mode.

Basic Jack Operation

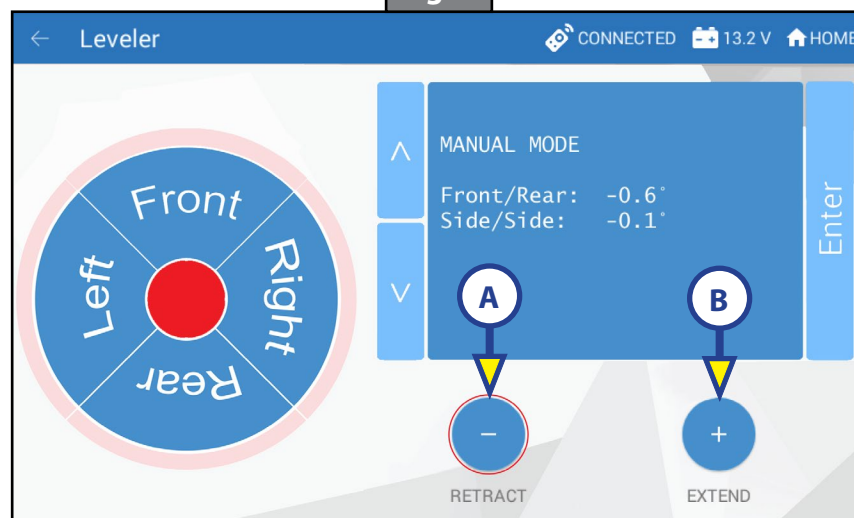
While in Standard Mode:

1. Press "RETRACT" (Fig. 2I) or "EXTEND" (Fig. 2J), then "FRONT" to retract or extend front jacks.
2. Press "RETRACT" and "REAR" to retract rear jacks.
3. Press the "AUTO LEVEL" (Fig. 2L) button to start the auto leveling sequence.
4. Press the "AUTO HITCH" (Fig. 2M) button to start the hitch recognition sequence when reconnecting to the tow vehicle.
5. Use the "UP" or "DOWN" arrow (Fig. 2B) buttons to cycle through the menu screen options:
 - A. Info:** Scroll to "INFO" (Fig. 2C) and press "ENTER" (Fig. 2H) button to display system information, e.g., angle, jack stroke or software version.
 - B. Auto Retract:** Scroll to "AUTO RETRACT" (Fig. 2F) and press "ENTER" button to start the "Auto Retract" sequence, which will retract all jacks.
 - C. Manual Mode:** Scroll to "MANUAL MODE" (Fig. 2G) and press "ENTER" button to start Manual Level operation. Jacks operate in pairs. Use "RETRACT" or "EXTEND" to operate front jacks, right rear and left rear jacks.

NOTE: Upon entering Manual Mode, a tutorial on operating the jacks will appear on the screen. Press "OK" to clear the tutorial. To delete the tutorial, click the "Don't show this again" box in the bottom right of the screen.

- I. Press "RETRACT" (Fig. 3A) or "EXTEND" (Fig. 3B), then "FRONT" (Fig. 3) to operate front jacks.
- II. Press "EXTEND" or "RETRACT," then "REAR" to operate rear jacks (right rear, right mid, left rear and left mid).
- III. Press "EXTEND" or "RETRACT," then "RIGHT" to operate right jacks (right mid and right rear).
- IV. Press "EXTEND" or "RETRACT," then "LEFT" to operate left jacks (left mid and left rear).

Fig. 3



Unhitching Instructions

NOTE: Prior to unhitching from the tow vehicle, ensure trailer is parked on a level surface and chock the tires of the trailer.

1. Push touch panel "ON/OFF" (Fig. 2K) to turn system on (See "Standard Mode and Menu" to reach standard mode.)
2. Push "EXTEND" (FIG. 2J), then "FRONT" button (Fig. 2) to extend front jacks and lift front of the trailer to take the weight of the trailer off of the hitch.
3. Uncouple the trailer connection on the tow vehicle.
4. Pull tow vehicle away and park at a safe distance.

Auto Level

NOTE: Once the automatic leveling cycle has been started, it is important that there is no movement in the trailer until the trailer has completed the leveling process. Failure to remain still during the leveling cycle could have an effect on the performance of the leveling system.

1. After unhitching from tow vehicle press "AUTO LEVEL" (Fig. 2L).

NOTE: Pressing "ABORT" during an Auto Level sequence will abort the auto leveling cycle.

Auto Level Sequence

NOTE: Sequence may vary slightly based on the height of the trailer king pin prior to leveling.

1. When the Auto Level sequence begins, the front of the trailer will seek a position near a level state, then the trailer will level from front to back.
2. The left side jack(s) extend to ground (left mid and left rear).
3. The right side jack(s) extend to ground (right mid and right rear).
4. Jack pairs will extend as needed in order to level the trailer.

NOTE: Step 4 may repeat several times if the controller deems necessary.

NOTE: If the "AUTO LEVEL" sequence does not perform as described above, place the system in manual mode and test that the jacks operate correctly by pushing their coordinating buttons on the touch panel; e.g., "FRONT" button operates only the front jacks, etc.

Hitch Recognition - Reconnecting to Tow Vehicle

1. Push touch panel "ON/OFF" (Fig. 2K) to turn system on (See "Standard Mode and Menu" to reach standard mode.)
2. Press "AUTO HITCH" (Fig. 2M). Rear jacks will retract.
3. The front of the trailer will raise to the height where the auto level sequence was started.

NOTE: If the front of the trailer was below level when the Auto Level process was initiated, the hitch recognition feature will retract the rear jacks but will not retract the front jacks to lower the trailer to the initial hitch height. This feature helps prevent injury and/or damage to anything underneath the trailer.

4. Connect tow vehicle and make sure trailer and hitch are connected and locked.
5. On the Standard Mode screen (Fig. 2) use the "UP" and "DOWN" arrows (Fig. 2B) to scroll to "AUTO RETRACT" (Fig. 2F).
6. Push "ENTER" (Fig. 2H). System will immediately retract all jacks.

Zero Point Calibration

The "Zero Point" is the programmed point that the trailer will return to each time the Auto Level feature is used. The "Zero Point" must be programmed prior to using the Auto Level feature to ensure the proper operation of the system. The "Zero Point" feature is only available on the OneControl Touch Panel with this system.

NOTE: Prior to starting this procedure, double check all connections on the controller, jacks, and touch panel.

NOTE: When calibrating Zero Point, the user has full manual control over the jacks. See "Basic Jack Operation - Manual Mode" to adjust to the desired level position. Press the enter button to set.

To Set the Zero Point

NOTE: The following procedure works from Standard Mode only. (See "Standard Mode and Menu" to reach standard mode.)

1. Press the "CONNECTED" icon (Fig. 4A) at the top of the leveling screen quickly 6 times. Wait a few seconds until the gear icon with "OPTIONS" appears (Fig. 5A).
2. Press the gear icon with "OPTIONS" (Fig. 5A).
3. The screen will show "SET UP: Zero Mode Press Enter" (Fig. 6).
4. Press the "Enter button" (Fig. 6A).
5. The touch pad will present options for further leveling of the trailer if needed. The screen will also state "ZERO POINT CALIBRATION - Press Enter to Set" (Fig. 7).
6. Press "ENTER" (Fig. 7A).
7. Screen will show "Zero Point Stability Check ... Please Wait" (Fig. 8), followed by "Zero Point Set" (Fig. 9).

Fig. 4

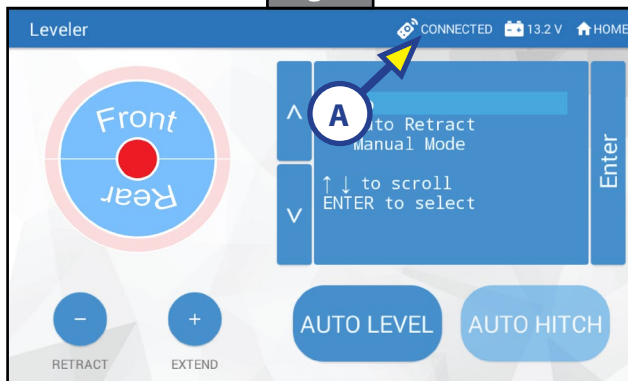


Fig. 5

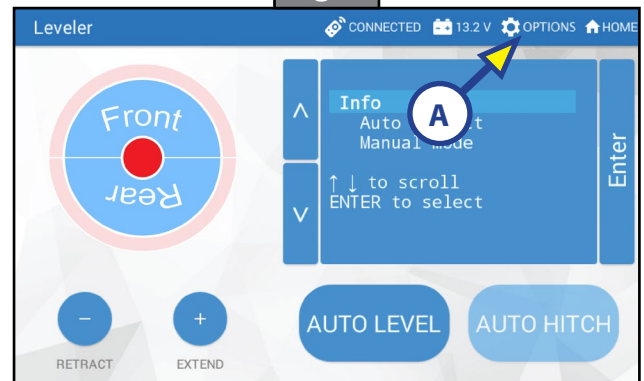


Fig. 6

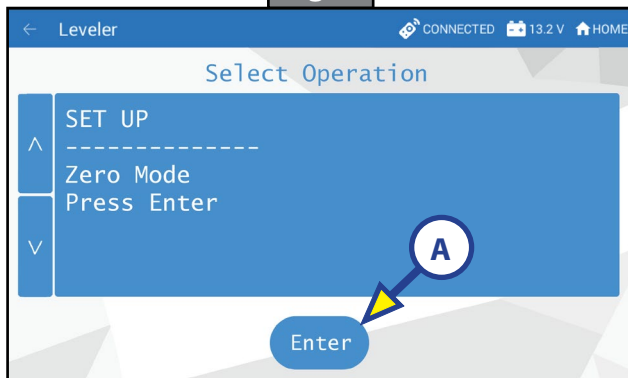


Fig. 7



Fig. 8

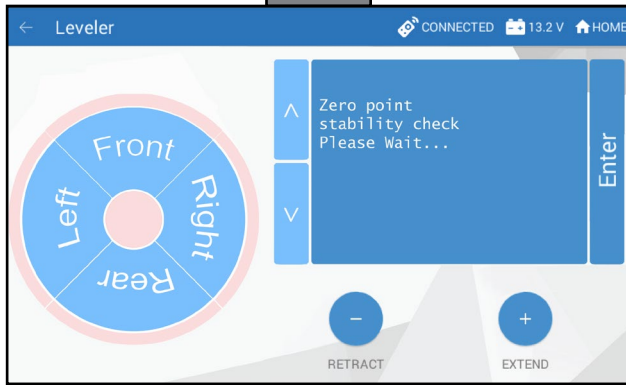
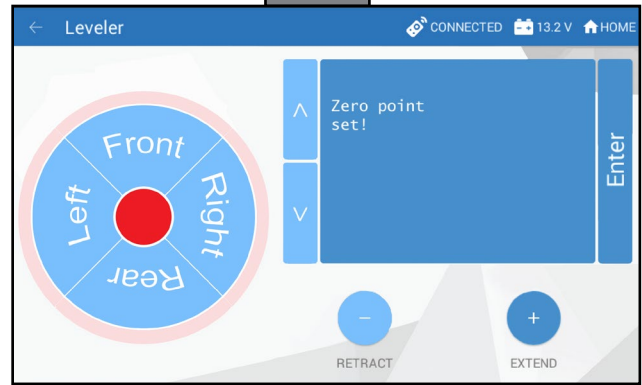


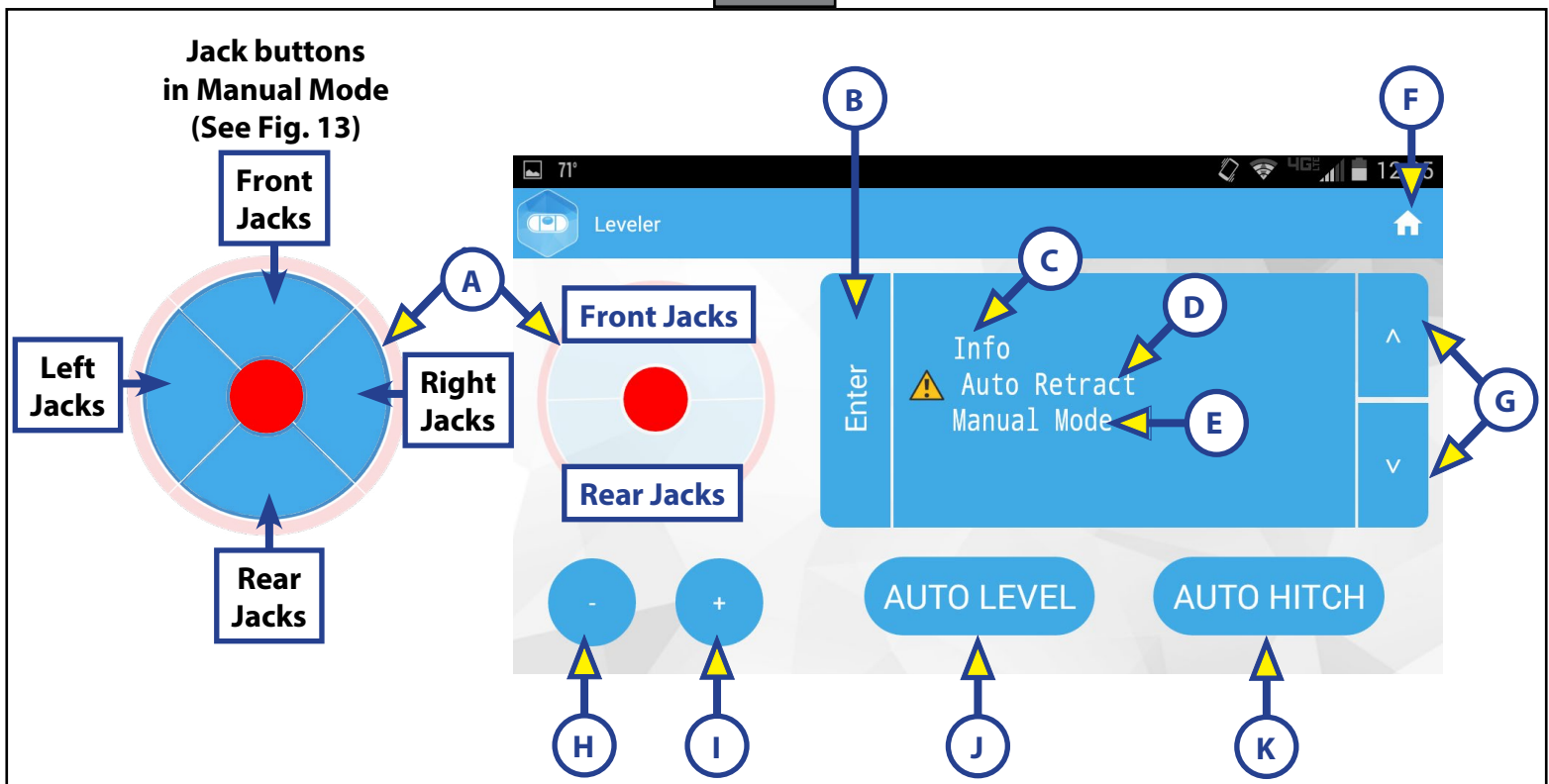
Fig. 9



Touch Pad Diagram - OneControl App From MyRV

NOTE: The One Control Leveling App is available on iTunes for iPhone and iPad and also on Google Play for Android users.

Fig. 10



Callout	Description
A	Jack Buttons - Select front, rear, right and left jacks to be operated depending on mode. Jacks available to be operated will be highlighted in blue. In Standard Mode (Fig. 10), only front and rear jacks are available to be operated. In Manual Mode (Fig. 12), all jacks are available to be operated.
B	Enter - Push to activate various modes.
C	Info - Displays system information, e.g., angle, jack stroke, software version.
D	Auto Retract - Enters Auto Retract mode to retract all jacks.
E	Manual Mode - Enters Manual Mode to manually operate jacks.
F	Home Icon - Returns screen to home page.
G	Up and Down Arrows - Scroll through options on screen.
H	Retract - Retracts jacks in several modes. Jacks available will be highlighted in blue.
I	Extend - Extends jacks in several modes. Jacks available will be highlighted in blue.
J	Auto Level - Starts the Auto Level sequence.
K	Auto Hitch - Returns trailer to previous hitch height for reconnecting to tow vehicle.

Operation - OneControl App

Accessing the OneControl App

1. Turn on the trailer to provide power to the trailer's wireless network.
2. Navigate to the device's (smart phone, tablet, etc.) wifi settings. Turn wireless feature on and connect to the MyRV wireless network.

NOTE: If this is the first time connecting to the MyRV wireless network, a password will be required. The password is located on the trailer's wifi hub (Fig. 11).

3. Open the OneControl application on the compatible device.

NOTE: If the device states "Unresolved Network Connection," retry connecting to the MyRV wireless network and/or wait for the connection to resolve and display "Connected" under the MyRV wireless connection.

4. The application will request the user "Agree" to an end user license agreement, create a PIN and "Re-enter PIN to confirm."
5. The OneControl app will now display all functions. Choose "Leveler."



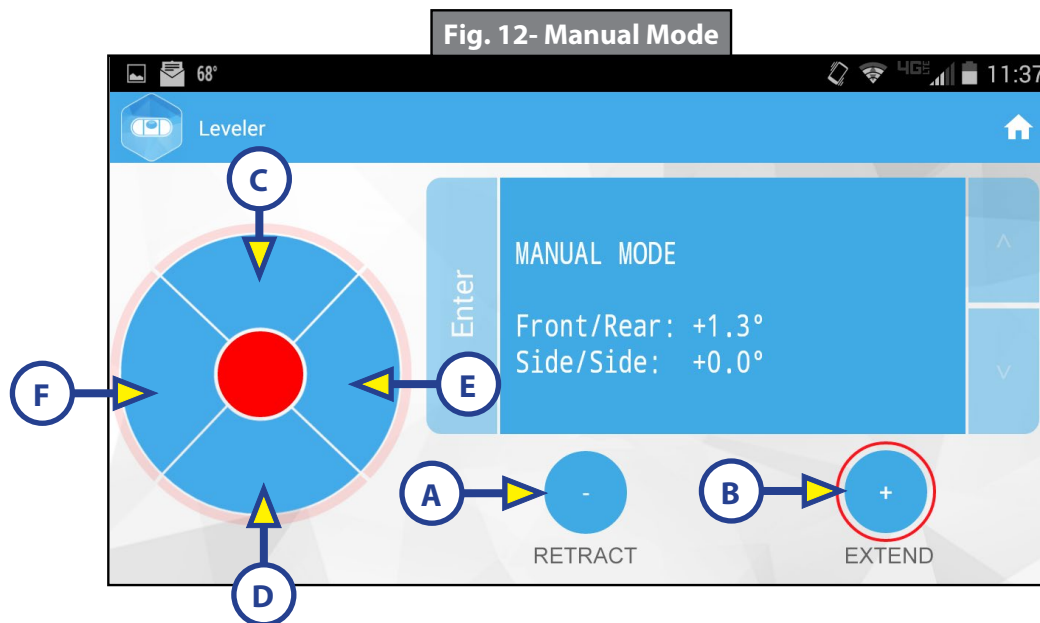
Standard Mode and Menu

Standard Mode is the mode launched when the OneControl app "Leveler" function is powered up. The screen will show the system menu (Fig. 10). The front jacks can be extended/retracted in Standard Mode. Rear jacks can be retracted from this mode.

Basic Jack Operation

While in Standard Mode:

1. Press "RETRACT" (Fig. 10H) or "EXTEND" (Fig. 10I) and "FRONT" (Fig. 10) to extend or retract front jacks.
2. Press "RETRACT" and "REAR" (Fig. 10) to retract rear jacks.
3. Press the "AUTO LEVEL" (Fig. 10J) button to start the leveling sequence.
4. Press the "AUTO HITCH" (Fig. 10K) button to start the hitch recognition sequence when reconnecting to tow vehicle.
5. Use the "UP" or "DOWN" arrow buttons (Fig. 10G) to cycle through the menu options:
 - A. Info:** Scroll to "INFO" (Fig. 10C) and press "ENTER" button to display system information, e.g., angle, jack stroke or software version.
 - B. Auto Retract:** Scroll to "AUTO RETRACT" (Fig. 10D) and press "ENTER" button to start the Auto Retract sequence.
 - C. Manual Mode:** Scroll to "MANUAL MODE" (Fig. 10E) and press "ENTER" button to start Manual Level operation. Jacks operate in pairs. Use "RETRACT" or "EXTEND" to operate front jacks and rear jacks.
 - I.** Press "RETRACT" (Fig. 12A) or "EXTEND" (Fig. 12B), then FRONT (Fig. 12C) to operate front jacks.
 - II.** Press "RETRACT or "EXTEND," then "REAR" (Fig. 12D) to operate rear jacks (right rear, right mid, left rear and left mid).
 - III.** Press "RETRACT" or "EXTEND," then "RIGHT" (Fig. 12E) to operate right jacks (right mid and right rear).
 - IV.** Press "RETRACT" or "EXTEND," then "LEFT" (FIG. 12F) to operate left jacks (left mid and left rear).



Unhitching Instructions

NOTE: Prior to unhitching from the tow vehicle, ensure trailer is parked on a level surface and chock the tires of the trailer.

- 1. Push "Extend" (Fig. 10I) and "FRONT" buttons (Fig. 10) to extend front jacks and lift front of trailer to take the weight of the trailer off of the hitch.
- 2. Uncouple the trailer connection on the tow vehicle.
- 3. Pull tow vehicle away and park at a safe distance.

Auto Level

NOTE: Once the automatic leveling cycle has been started, it is important that there is no movement in the trailer until the trailer has completed the leveling process. Failure to remain still during the leveling cycle could have an effect on the performance of the leveling system.

- 1. After unhitching from tow vehicle press "AUTO LEVEL" (Fig. 10J).

NOTE: Pressing "ABORT" during an Auto Level sequence will abort the auto leveling cycle.

Auto Level Sequence

NOTE: Sequence may vary slightly based on the height of the trailer king pin prior to leveling.

- 1. When the Auto Level sequence begins, the front of the trailer will seek a position near a level state, then the trailer will level from front to back.
- 2. The left side jack(s) extend to ground (left mid and left rear).
- 3. The right side jack(s) extend to ground (right mid and right rear).
- 4. Jack pairs will extend as needed in order to level the trailer.

NOTE: Step 4 may repeat several times if the controller deems necessary.

NOTE: If the AUTO LEVEL sequence does not perform as described above, place the system in manual mode and test that the jacks operate correctly by pushing their coordinating buttons on the touch panel in manual mode, e.g., "FRONT" button operates only the front jacks, etc.

Touch Pad Diagram - Linc Remote Control - Optional

Callout	Description
A	Retract - Retracts front jacks and rear jacks.
B	Extend - Extends front jacks and rear jacks.
C	Help - Provides contact information for LCI.
D	Front Arrow - Operates front jacks.
E	Left Arrow - Operates left rear jacks.
F	Right Arrow - Operates right rear jacks.
G	Rear Arrow - Operates rear jacks.
H	Auto Level- Initiates Auto Level sequence.
I	Power Button - Turns remote control on and off.

Fig. 13



Configuring Linc Remote to Sync to MyRV One Control Touch Panel

1. Turn on the Linc remote control (Fig. 13I) and enter a PIN.
2. Choose "Leveler" from the menu screen.
3. Turn on the MyRV OneControl Touch Panel (Fig. 2K).
4. On the MyRV OneControl Touch Panel, press the "CONNECTED" icon at the top of the screen (Fig. 14A) quickly 6 times. Wait a few seconds until the gear icon with "OPTIONS" appears (Fig. 15A).
5. Press the gear icon with "OPTIONS" (Fig. 15A).
6. Use the "UP" and "DOWN" arrows (Fig. 15B) to scroll to "WIRELESS CONFIG" (Fig. 16).
7. Press "ENTER" (Fig. 16A). The screen will display "Wireless Configuration Press any Linc button to Sync" (Fig. 17).
8. Press any button in "Leveler" mode on the Linc remote control (Fig. 13).
9. Pressing "ABORT" on the MyRV OneControl Touch Panel (Fig. 17A) will cancel configuration sequence.

Fig. 14

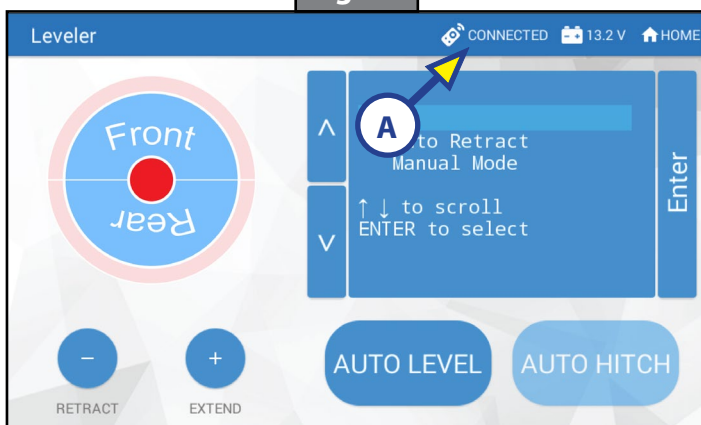


Fig. 15

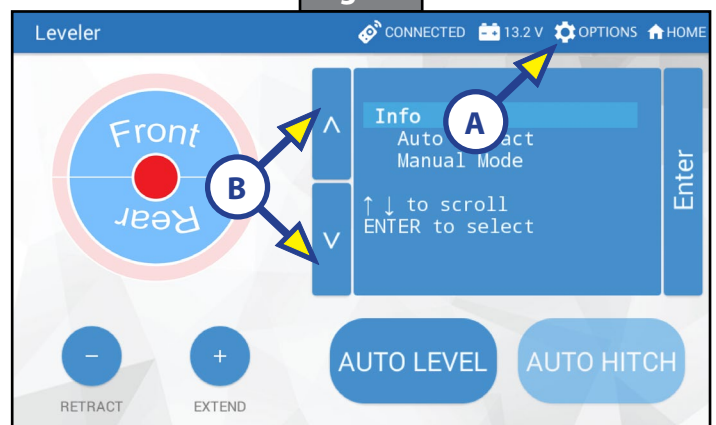


Fig. 16

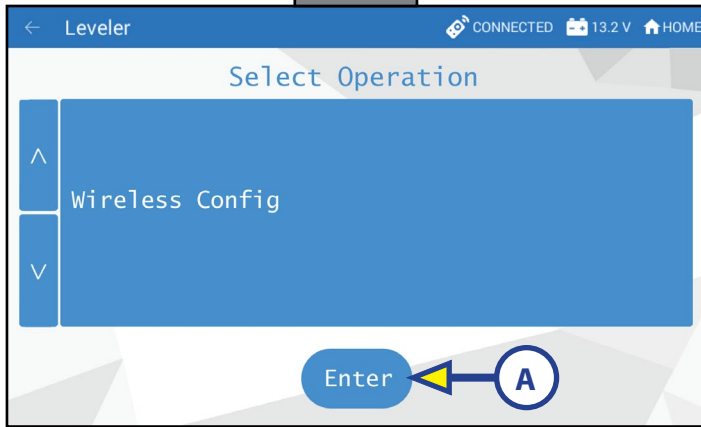
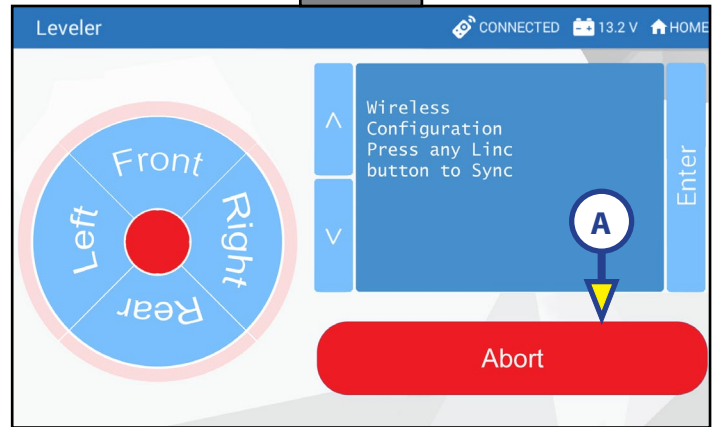


Fig. 17



Basic Jack Operation

1. Press RETRACT (Fig. 13A) or EXTEND (Fig. 13B) and "front" arrow (Fig. 13D) to operate front jacks.
2. Press RETRACT or EXTEND, then "rear" arrow (Fig. 13G) to operate rear jacks (right rear, right mid, left rear and left mid).
3. Press RETRACT or EXTEND, then "right" arrow (Fig. 13F) to operate right jacks (right mid and right rear).
4. Press RETRACT or EXTEND, then "left" arrow (Fig. 13E) to operate left jacks (left mid and left rear).
5. Press AUTO LEVEL (Fig. 13H) to start auto-level sequence.

Unhitching Instructions

NOTE: Prior to unhitching from the tow vehicle, ensure trailer is parked on a level surface and chock the tires of the trailer.

1. Turn the Linc remote on (Fig. 13I) and enter a PIN code to turn system on.
2. Press the LEVELER button.
3. Press EXTEND (Fig. 13B) and FRONT arrow (Fig. 13D) to extend front jacks and lift front of trailer to take the weight of the trailer off of the hitch.
4. Uncouple the trailer connection on the tow vehicle.
5. Pull tow vehicle away and park at a safe distance.

Auto Level

NOTE: Once the automatic leveling cycle has been started, it is important that there is no movement in the trailer until the trailer has completed the leveling process. Failure to remain still during the leveling cycle could have an effect on the performance of the leveling system.

1. After unhitching from the tow vehicle press "AUTO LEVEL" (Fig. 13H).

NOTE: Pressing any button on the Linc™ remote during an Auto Level sequence will abort the auto leveling cycle. To restart the Auto Level process, refer to the OneControl Touch Panel (Fig. 2).

Auto Level Sequence

NOTE: Sequence may vary slightly based on the height of the trailer king pin prior to leveling.

1. When the Auto Level sequence begins, the front of the trailer will seek a position near a level state, then the trailer will level from front to back.
2. The left side jack(s) extend to ground (left mid and left rear).
3. The right side jack(s) extend to ground (right mid and right rear).
4. Jack pairs will extend as needed in order to level the trailer.

NOTE: Step 4 may repeat several times if the controller deems necessary.

NOTE: If the Auto Level sequence does not perform as described above, test that the jacks operate correctly by pushing their coordinating buttons on the Linc remote; e.g., "FRONT" button operates only the front jacks, etc. The jacks can also be tested in manual mode on the OneControl Touch Panel (Fig. 2). See Operation - MyRV OneControl Touch Panel.

Maintenance

Fluid Recommendation

Automatic transmission fluid (ATF) with Dexron® III or Mercon® V or a blend of both is recommended by Lippert Components, Inc. For a list of approved fluid specifications, see [TI-188](#). To obtain this Technical Information sheet on-line, go to <http://www.lci1.com/support-lci4a3lcd>. Then click on the Technical Information Sheets tab. Look for *TI-188: Hydraulic Operation Fluid Recommendation* within the listing.

NOTE: 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.

Preventative Maintenance

1. Check hydraulic fluid in reservoir every 12 months. If fluid is a clear, red color, do not change. If fluid is milky, pink and murky, and not clear red in color, drain reservoir and add new fluid. Hydraulic fluid in reservoir should be changed a minimum of every five years.

NOTE: Check the fluid only when all the jacks are fully retracted.

NOTE: When checking the hydraulic fluid level, fill to within 1/4" to 1/2" of fill spout.

2. Inspect and clean all power unit electrical connections every 12 months. If corrosion is evident, use a small amount of lubricant to remove corrosion. Contacts must be cleaned with a non-residue cleaner prior to use. LCI recommends the use of an electrical contact cleaner spray.
3. Remove dirt and road debris from jacks as needed.

WARNING

The coach should be supported at both front and rear axles with jack stands before working underneath. Failure to do so may result in death, serious personal injury or severe product or property damage.

4. If jacks are down for extended periods, it is recommended to spray exposed jack rods with a dry silicone lubricant every three months for protection. If the trailer is located in a salty environment, it is recommended to spray the rods every four to six weeks.

Manual Override

The LCI Level-Up Automatic Leveling System can be manually operated with an electric drill. In the event of electrical or system failure, this manual method of extending and retracting the jacks can be used. See the instructions below.

NOTE: Unhook the power unit motor from the power source prior to attempting the manual override procedure.

1. Locate the valves that are paired with the front jacks or rear jacks to be manually overridden.
 - A. Front jacks - Valve located on the front jacks (Fig. 18).
 - B. Rear Jacks - Valve located on manifold (Fig. 19).

⚠ CAUTION

DO NOT over-tighten override set screws, as this can damage the valves.

2. Using a $\frac{5}{32}$ " hex wrench, open the valve by turning the manual override set screw clockwise (Fig. 20A).
3. Remove protective label (Fig. 21A) from power unit to reveal the manual override coupler.

⚠ CAUTION

DO NOT use an impact wrench to perform any of the override procedures, as this may damage the motor.

4. Using an electric drill with a $\frac{1}{4}$ " hex bit, insert the hex bit into the manual override coupler to manually operate the Level-Up system (Fig. 22).
 - A. Run the drill forward (clockwise) to retract the front jacks or rear jacks (Fig. 22A).
 - B. Run the drill in reverse (counterclockwise) to extend the front jacks or rear jacks (Fig. 22B).
5. Be sure to turn the manual override set screw on the valve (Fig. 23A) back to the counterclockwise position after extending or retracting the front jacks or rear jacks.

Fig. 18

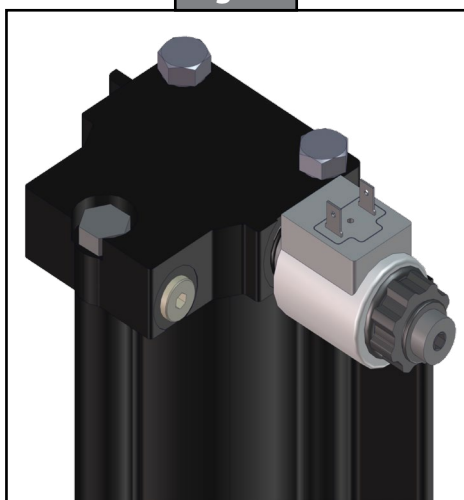


Fig. 19

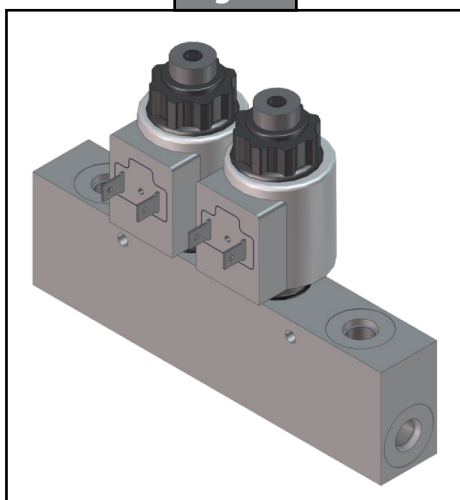


Fig. 20

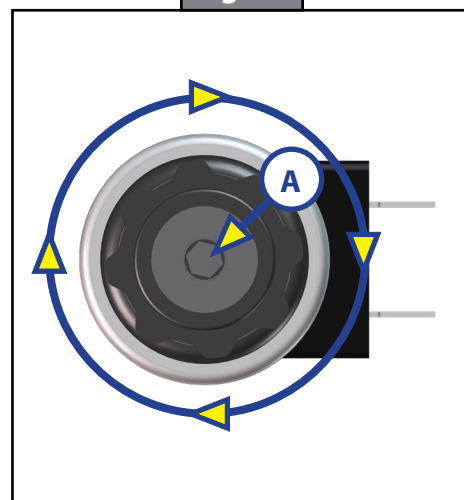


Fig. 21

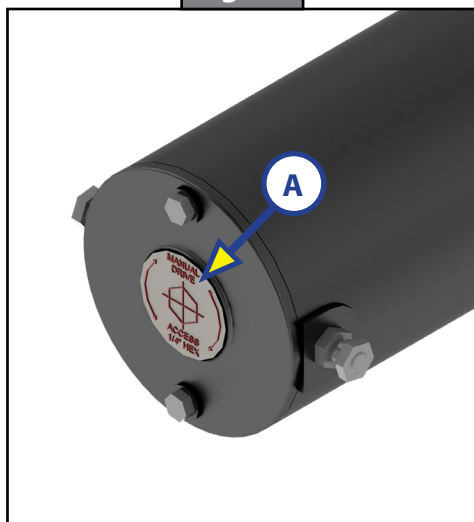


Fig. 22

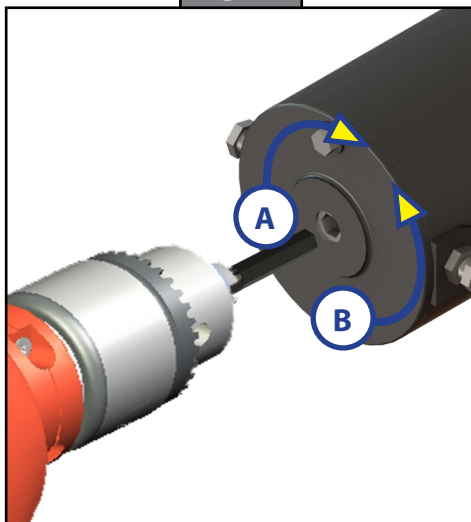
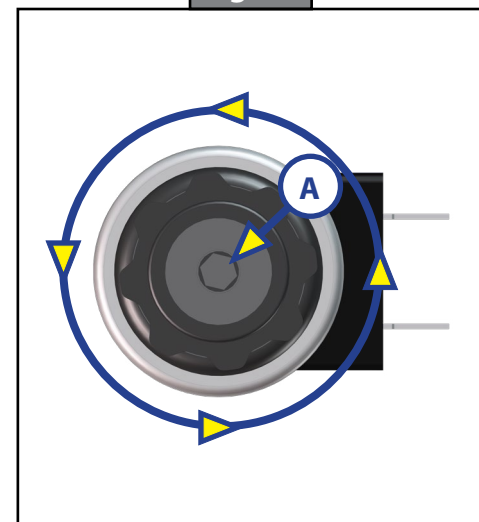


Fig. 23



Troubleshooting

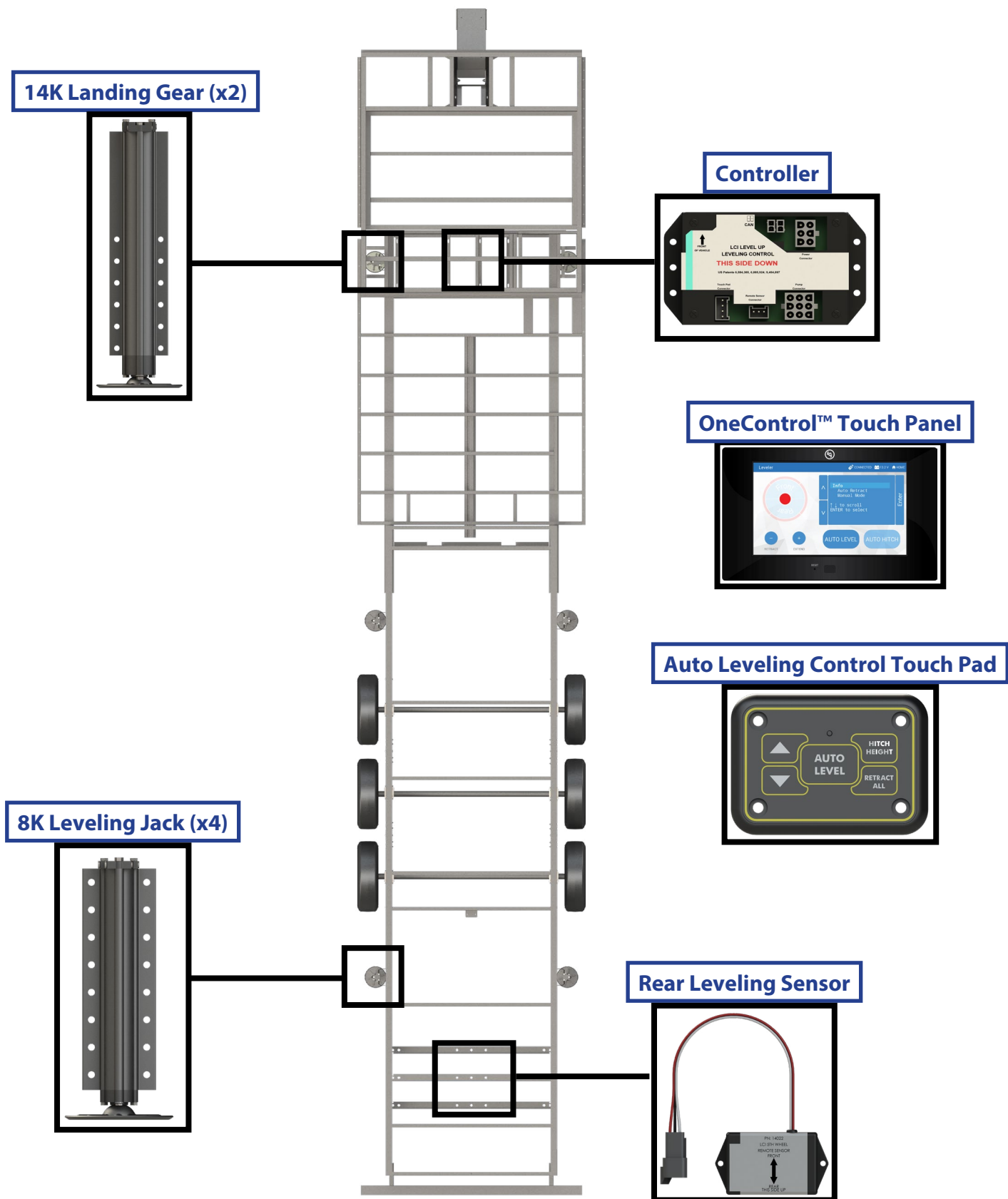
Error Display In LCD Screen

Faults can only be cleared via the OneControl Touch Panel or OneControl Leveling App through MyRV. The only exception is when the Auto Leveling Control mini-touch pad (Fig. 1) was used to abort an auto-sequence. In this case the fault can be cleared by pressing any Auto Leveling Control button.

LCD Message	What's Happening?	What Should Be Done?
"EXCESS ANGLE"	Unsecured controller. Uneven or sloped site.	Check and secure controller placement. Relocate the trailer.
"EXCESSIVE ANGLE"	Controller not properly secured.	Check and secure controller placement.
	Excessive angle reached during manual operation.	Relocate the coach.
"BAD CALIBRATION"	Sensor calibration values are out of range.	Replace controller.
"FEATURE DISABLED"	Hitch recognition requested but no hitch height set.	Perform "AUTO LEVEL" sequence to establish hitch height.
	Zero point not set.	Set zero point.
"LOW VOLTAGE"	Bad connection or wiring. Discharged or bad battery.	Check wiring - repair or replace. Test battery voltage under load - charge or replace.
"OUT OF STROKE"	Unsecured controller. Uneven or sloped site.	Check and secure controller placement. Relocate the trailer.
"EXTERNAL SENSOR"	Bad connection or wiring.	Replace or repair connection to rear remote sensor.
"JACK TIME OUT"	System could not level in expected time.	Check for obstructions, leaks, fluid level and voltage to power unit motor under load.
"AUTO LEVEL FAILURE"	Unsecured controller. Voltage drop.	Check and secure controller placement. Test battery voltage under load - charge or replace.
"FUNCTION ABORTED"	User has aborted an automatic leveling sequence.	Restart the sequence.

LEVEL-UP® TOWABLE OCTP ASSEMBLY

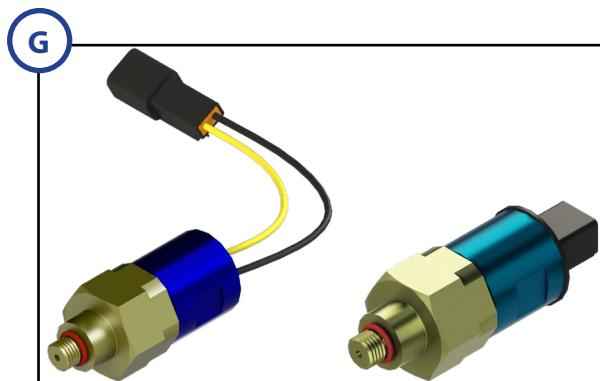
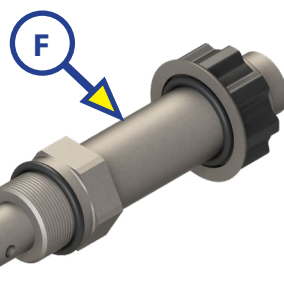
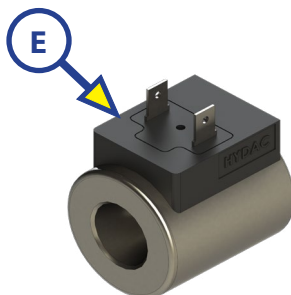
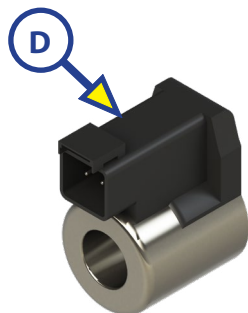
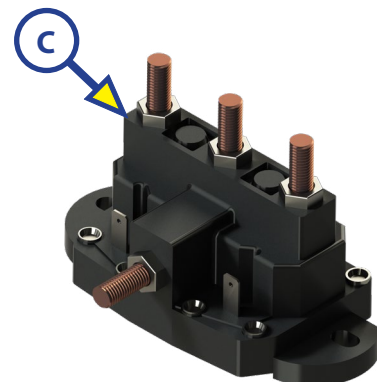
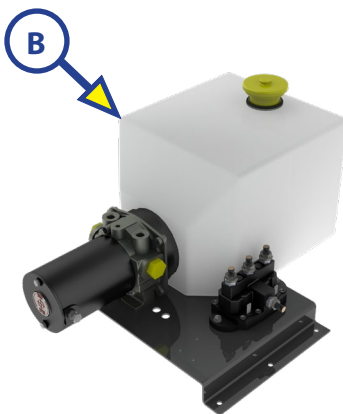
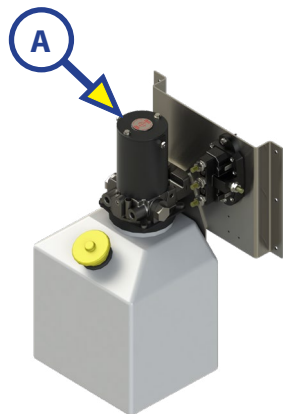
LEVELING AND STABILIZATION



LEVEL-UP® TOWABLE OCTP COMPONENTS

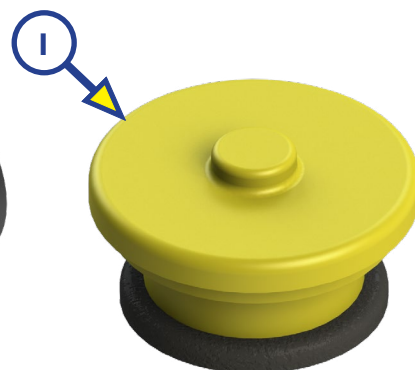
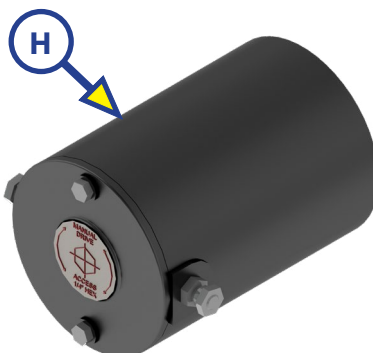
LEVELING AND STABILIZATION

NOTE: Part numbers are shown for identification purposes only. Not all parts are available for individual sale. All parts with a link to the Lippert Store can be purchased.



Original

Current



Callout	Part #	Description
A	251910	Vertical Power Unit
B	251909	Horizontal Power Unit
C	118246	Dual Polarity Solenoid
D	174184	Deutsch Coil
E	176954	Spade Coil
F	177094	Cartridge Valve
G	142927	Pressure Switch
H	167576	Power Unit Motor
I	157505	Fill Cap

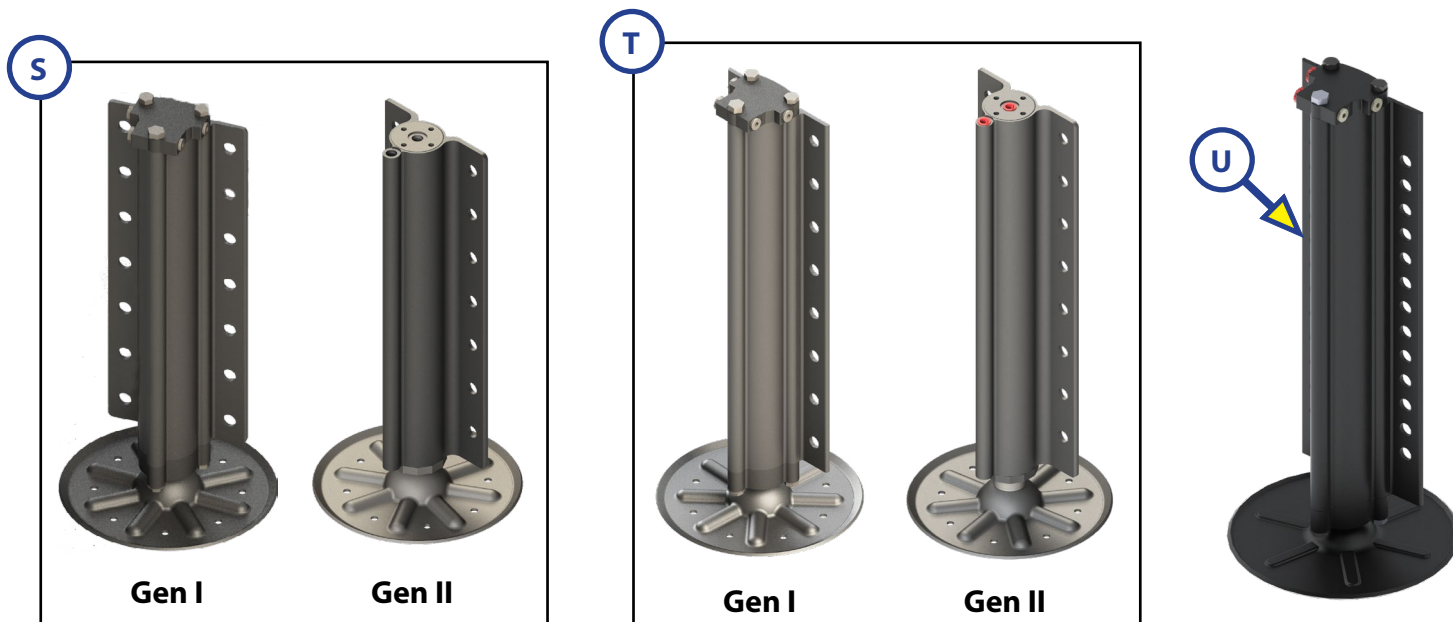
LEVEL-UP® TOWABLE OCTP COMPONENTS

LEVELING AND STABILIZATION



Callout	Part #	Description
J	406345	OneControl™ Touch Panel (5")
	675813	OneControl™ Touch Panel (7")
K	425585	4-Pin Pigtail Harness
L	237855	Deutsch 2 Wire Pigtail Harness
M	425749	Controller
N	425306	Auto Leveling Control Touch Pad
O	*135461	80 AMP 12V Breaker
P	241318	Controller Harness
Q	331116	CAN Bus Data Harness
R	333041	CAN Bus Terminating Resistor
NOTE: * Circuit Protection requirement is 50 amps to 100 amps as needed by RVIA Standards and OEM requirements.		

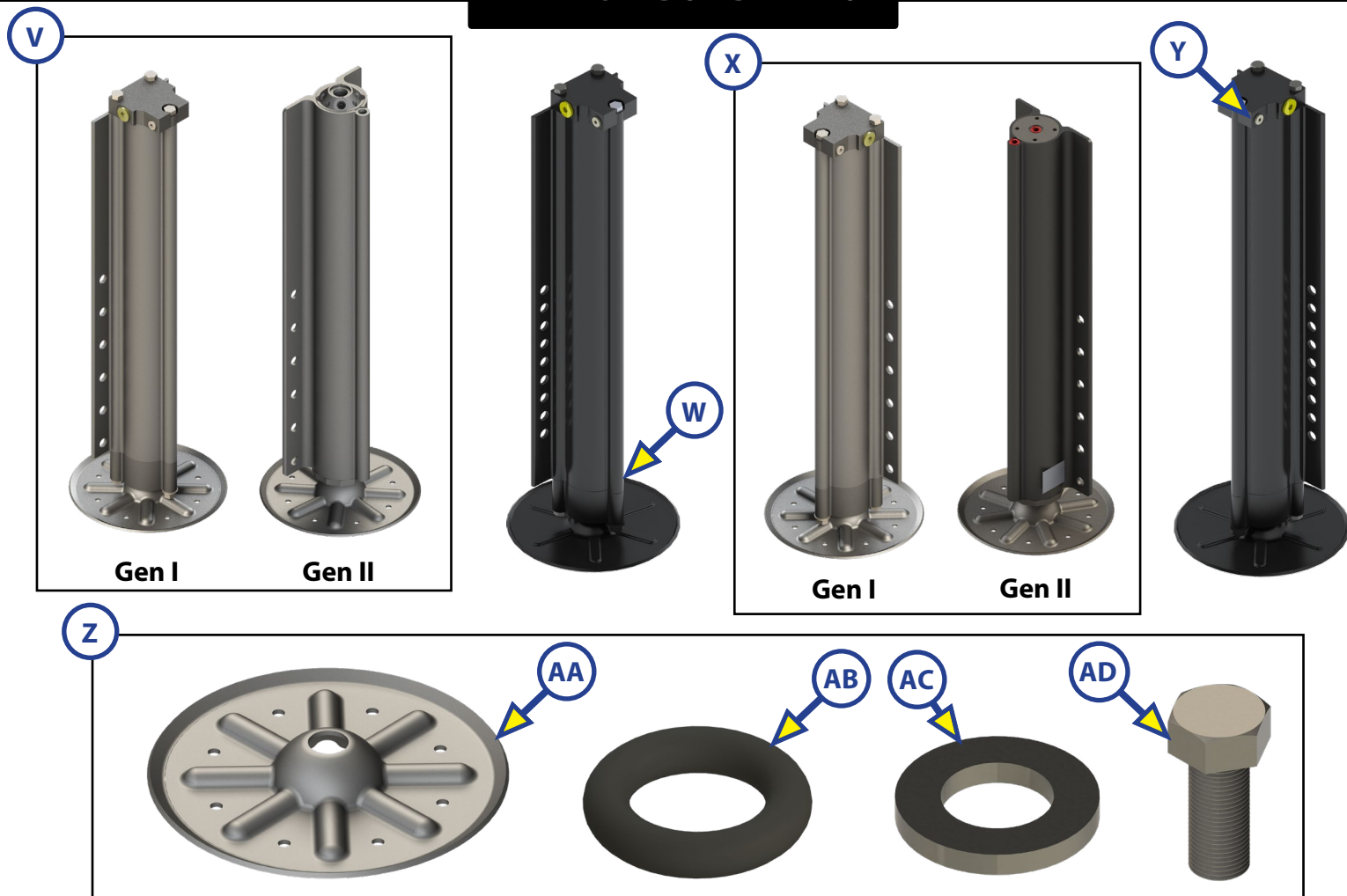
8K Jacks



Callout	Part #	Description
S	336066	Mini 8K Jack (Gen I)
	708459	Mini 8K Jack (Gen II)
T	195860	8K Jack, 8 Hole Black (Gen I)
	372892	8K Jack, 8 Hole Black (Gen II)
	1958604	8K Jack, 8 Hole Silver (Gen I)
	3728923	8K Jack, 8 Hole Silver (Gen II)
U	433458	8K Jack, 13 Hole Black (Gen I)
	43345810	8K Jack, 13 Hole Silver (Gen I)

LEVEL-UP® TOWABLE OCTP COMPONENTS

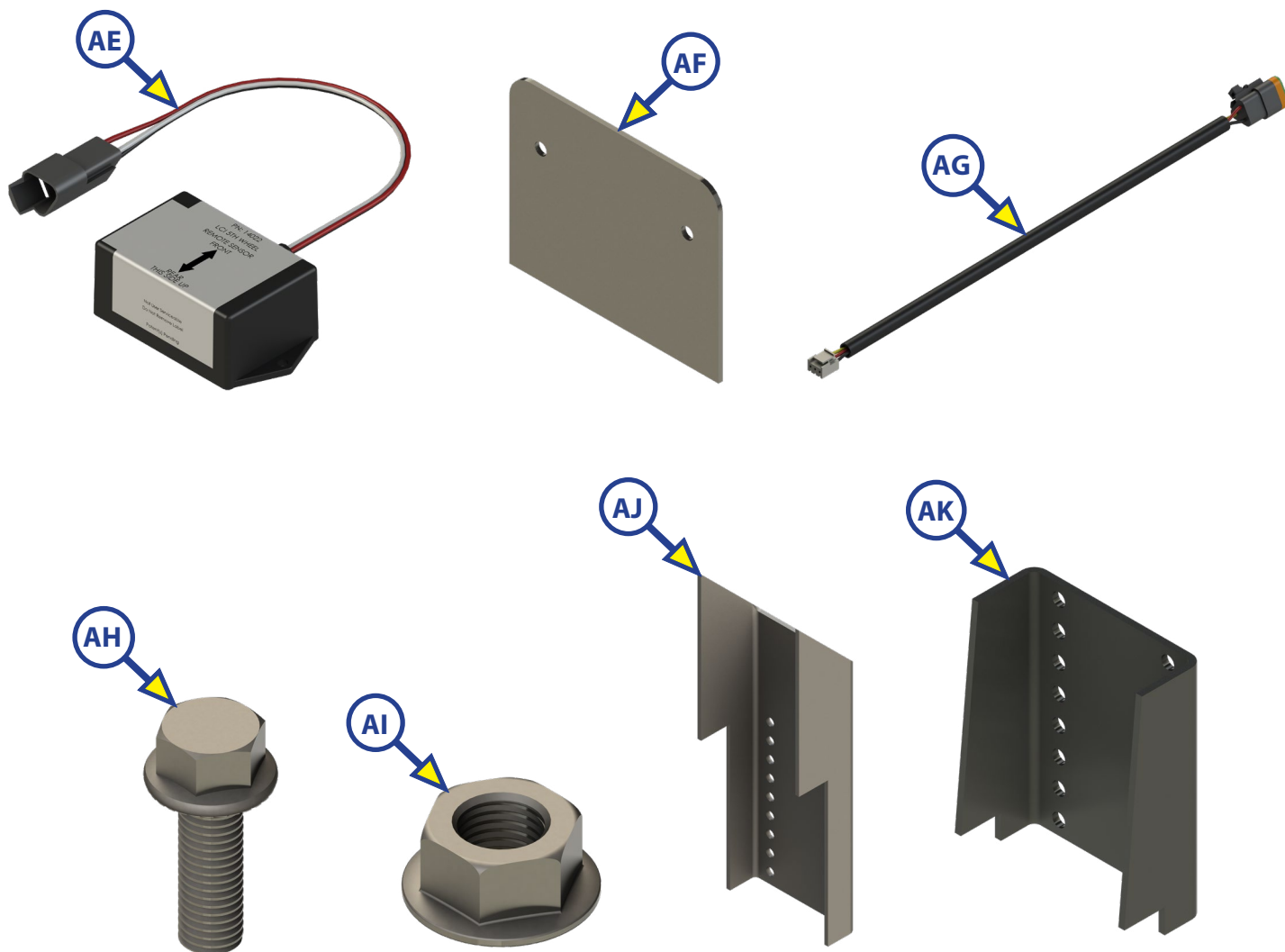
LEVELING AND STABILIZATION



Callout	Part #	Description
V	257125	14K Landing Gear, 6 Hole Black (RH) (Gen I)
	2571254	14K Landing Gear, 6 Hole Silver (RH) (Gen I)
	351924	14K Landing Gear, 6 Hole Silver (RH) (Gen II)
W	433469	14K Landing Gear, 9 Hole Black (RH) (Gen I)
	43346910	14K Landing Gear, 9 Hole Silver (RH) (Gen I)
X	257126	14K Landing Gear, 6 Hole Black (LH) (Gen I)
	2571264	14K Landing Gear, 6 Hole Silver (LH) (Gen I)
	731041	14K Landing Gear, 6 Hole Silver (LH) (Gen II)
Y	433467	14K Landing Gear, 9 Hole Black (LH) (Gen I)
	43346710	14K Landing Gear, 9 Hole Silver (LH) (Gen I)
Z	324269	Footpad Kit
AA	364372	Footpad
AB	123932	O-Ring Seal (2x)
AC	178208	Washer, 3/4"
AD	139446	Hex Bolt, 5/8" - 18 x 1 1/2"
NOTE: A second O-Ring seal needs to be used above the footpad to secure kit.		

LEVEL-UP® TOWABLE OCTP COMPONENTS

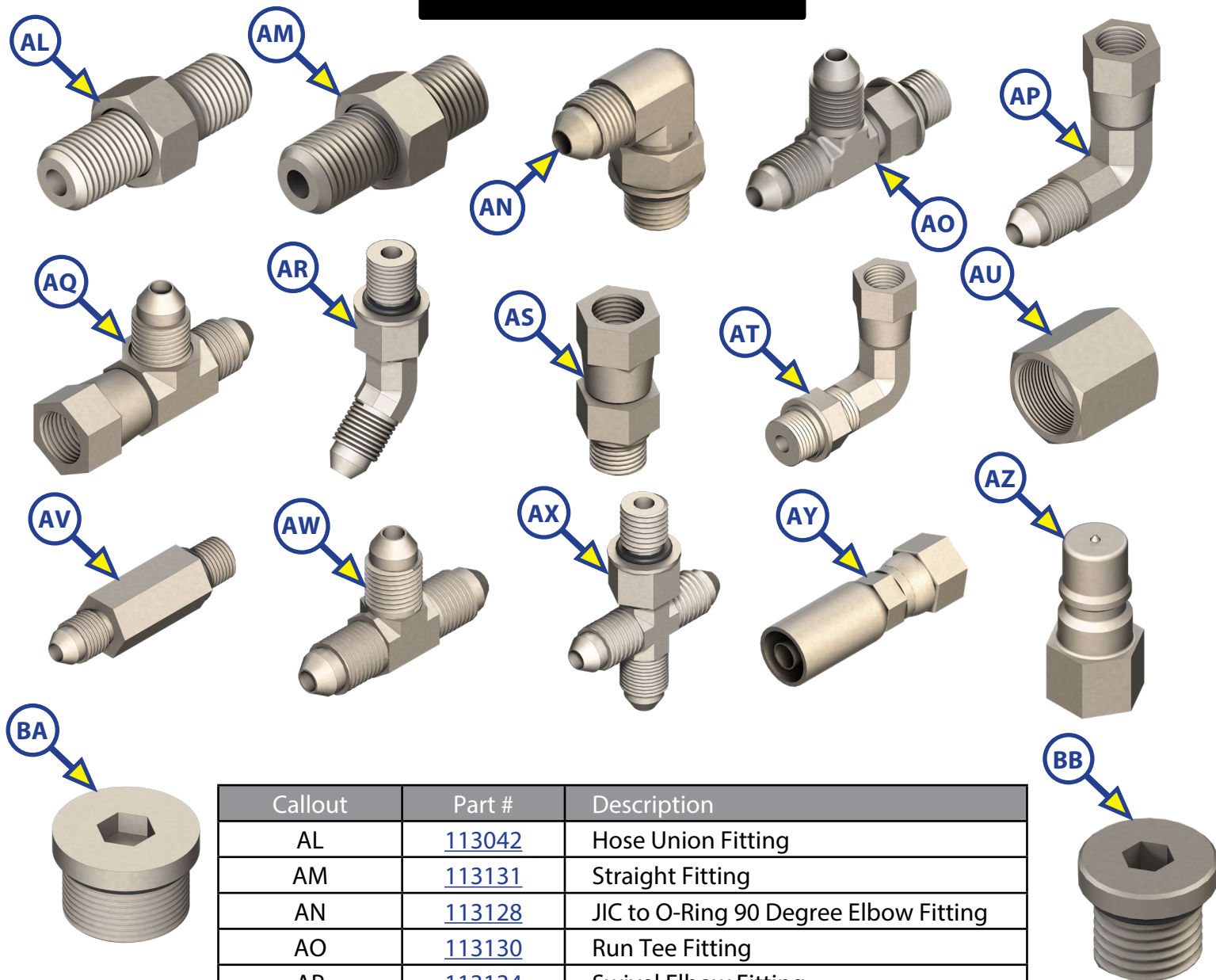
LEVELING AND STABILIZATION



Callout	Part #	Description
AE	232201	Rear Sensor
AF	231775	Rear Sensor Mounting Plate
AG	241314	Rear Sensor Harness
AH	118076	Bolt, 1/2" - 20 x 1 1/2"
AI	178210	Nut, 1/2" - 20
AJ	134989	Mount Bracket (Weld-On)
AK	218210	Front Mount Bracket (Weld-On)

LEVEL-UP® TOWABLE OCTP COMPONENTS

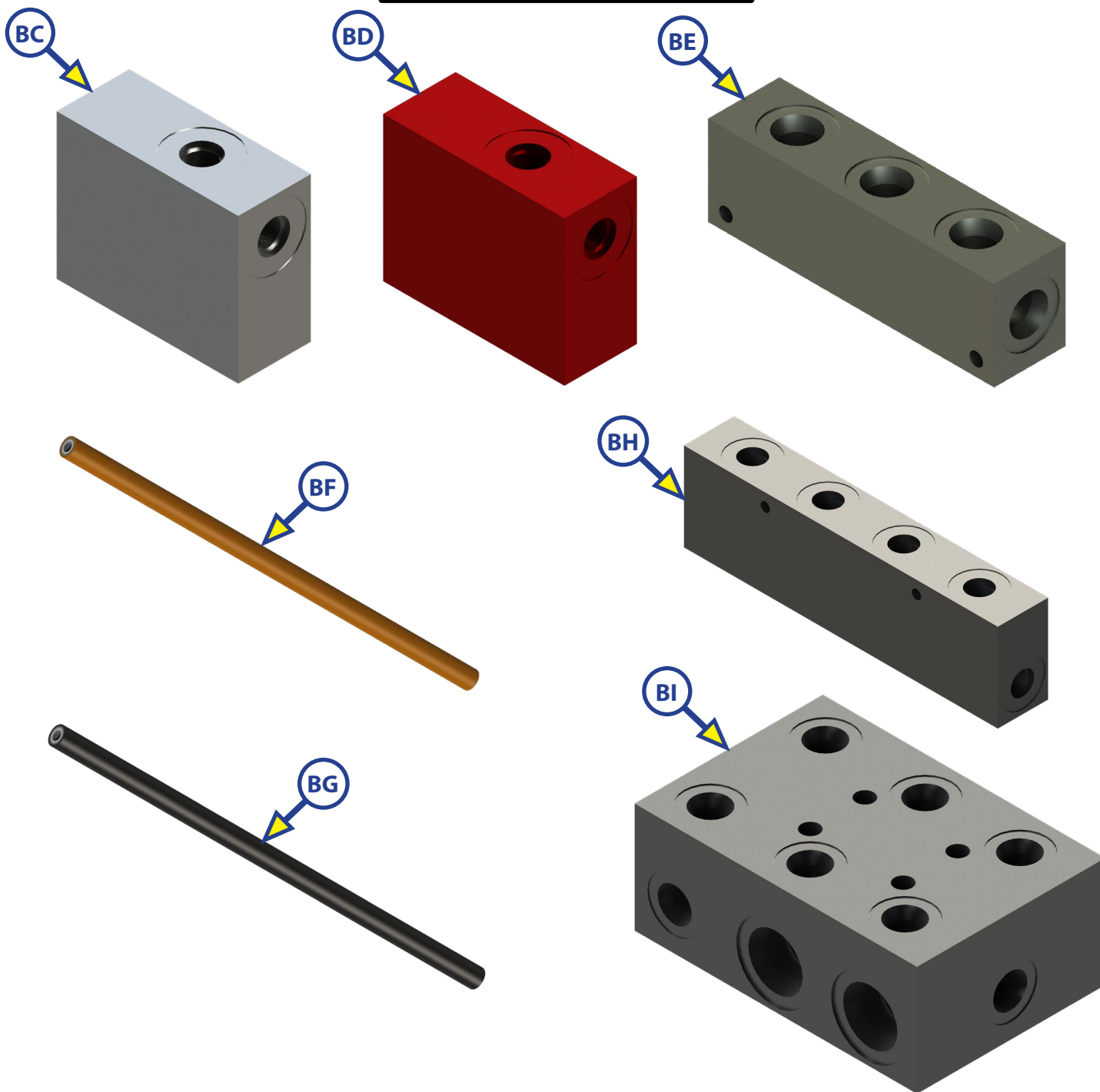
LEVELING AND STABILIZATION



Callout	Part #	Description
AL	113042	Hose Union Fitting
AM	113131	Straight Fitting
AN	113128	JIC to O-Ring 90 Degree Elbow Fitting
AO	113130	Run Tee Fitting
AP	113134	Swivel Elbow Fitting
AQ	113135	Swivel Run Tee Fitting
AR	113129	45 Degree Elbow Fitting
AS	113133	Swivel Straight Fitting
AT	141020	Swivel Elbow Fitting
AU	216288	Steel Cap Fitting
AV	139417	Long Straight Fitting
AW	138423	Union T-Fitting
AX	136225	Cross Fitting
AY	138416	Hose Coupling
AZ	140457	Quick Disconnect
BA	141323	Hex Plug
BB	140998	Hollow Hex Plug

LEVEL-UP® TOWABLE OCTP COMPONENTS

LEVELING AND STABILIZATION



Callout	Part #	Description
BC	138420	Manifold
BD	138421	Restricted Manifold
BE	166078	Retract Valve Block
BF	248654	Orange Hose
BG	248653	Black Hose
BH	194712	Extend Valve Block
BI	255130	4-Bank Manifold

[illegible]



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