



Sea-Legs General Troubleshooting Guide

Congratulations on your purchase of Sea-Legs, the pontoon lift that goes where you go.

This guide is a quick-reference troubleshooting guide for Sea-Legs owners or Sea-Legs dealers, as needed.

New Sea-Legs carry a limited warranty of two years from date of purchase. If this troubleshooting guide does not resolve problems you are experiencing with Sea-Legs, contact your Authorized Sea-Legs dealer (the dealer who sold you the Legs) or Sea-Legs directly (at 952-934-7000) for further service.

Please note that the Sea-Legs warranty DOES NOT apply if the installation is done by anyone other than an Authorized Sea-Legs dealer.

PRIOR TO TROUBLESHOOTING, please take the following steps:

FAMILIARIZE YOURSELF WITH SEA-LEGS: Has your dealer shown you Sea-Legs in operation? Have you received and/or reviewed the Sea-Legs Operating instructions? Do you have a remote control for your Sea-Legs? Have you seen Sea-Legs on a neighbor's boat or have you reviewed Sea-Legs' Web site (particularly our FAQ page)? Have you seen a Sea-Legs brochure? The answer to many of your questions may be found in this way.

INSPECT YOUR LEGS: Before you attempt to troubleshoot Sea-Legs that appear to be malfunctioning, please take a moment to inspect your Sea-Legs modules (Legs) for any rock, mud, weeds, or other impediments that may have collected on the Legs.

IDENTIFY/VISUALLY CHECK SEA-LEGS COMPONENTS: Before troubleshooting, open the seat compartment that holds the Sea-Legs pump. Visually inspect it to see if all the hoses and wires appear to be properly connected. Visually locate and identify the power unit, the hydraulic hoses and the remote control box (grey rectangular plastic mounted to a vertical surface).

CONSIDER ENVIRONMENTAL FACTORS: Take into consideration environmental factors. If you are on an uneven surface, Sea-Legs will not balance your boat left-to-right. If you are in extremely mucky conditions, Sea-Legs will sink into the muck and will work harder upon initial retraction. If you are in too deep water (over 5 feet) Sea-Legs may not be able to reach the lake or river bottom.

GENERAL TROUBLESHOOTING

Customer questions about Sea-Legs operation generally address one of the following areas:

1. **NO POWER/WEAK POWER (Sea-Legs pump is not operating; no sound heard when trying to raise or lower Sea-Legs or Sea-Legs struggle to lift or lower boat).**

LIKELY CAUSES:

- a. Weak boat battery or battery not rated to at least 850 CCA (cold cranking amps).
- b. Disconnected or poorly connected power cables (red/positive and black/negative) between boat battery and Sea-Legs pump.
- c. Remote control receiver not connected to pump.
- d. Electrical connection or wire loose.
- e. Dead battery in remote control transmitter.

WHAT TO DO:

1. Check your battery. Charge/replace as needed.
2. Check all wires and connections, tighten any that are loose.
3. Listen for the pump “turning over”. If it is, you have power.
4. Check the remote control transmitter to insure remote is working.
5. Check fuses on pump and remote system wire harness.

2. **REMOTE CONTROL DOES NOT WORK or IS WEAK or INTERMITTENT.**

LIKELY CAUSES:

- a. Remote control has not been activated (press On/Power button to activate).
- b. Remote control antenna is obstructed or has been cut off receiver.
- c. Remote control receiver has been placed in bottom of seat compartment and has either gathered moisture or is obstructed.
- d. Battery is dead or weak in remote control key fob.

WHAT TO DO:

1. Activate the remote control by pushing the On/Power button.
2. If equipped with indicator light, make sure eliminating while functions are pressed.
3. If there is no activity via the transmitters, try the toggle switches on the receiver box.
4. If the transmitter does not operate, but the toggle switches do, open the transmitter and replace the battery(s). Common Battery is CR2032
5. Water, moisture, or condensation will cause remote hand units to fail.

TO OPERATE SEA-LEGS WITHOUT A REMOTE CONTROL: Each Sea-Legs pump includes 2 hard-wired toggle switches that will allow you to extend or retract Sea-Legs. Simply open the seat compartment that contains the Sea-Legs pump and use the switches on the receiver to raise or lower your boat as needed.

3. **LOW OIL (Sea-Legs straining to extend or retract, or ‘stuck’ in an up or down position).**

LIKELY CAUSES:

- a. A hydraulic fitting (between hose and cylinder, under the boat; or between a hose and the pump, in the seat compartment) is loose and leaking oil.
- b. System was not fully bled upon installation.
- c. System was improperly filled (oil level too low) when installed.
- d. Hose or cylinder is leaking.

WHAT TO DO (LOW OIL):

1. Open the reservoir cap and check your oil levels. With the Sea-Legs fully retracted (Tucked up under boat), oil level should be within ½" to 1" of the top of the reservoir.

IF YOU ARE LOW ON OIL: Your Sea-Legs dealer may have additional Sea-Legs oil to add to your unit. If not, locate a marine supply dealer or farm supply store and ask for Chevron Clarity ISO Grade 32 (SAE 10) hydraulic fluid. This fluid is recommended because it is both environmentally friendly and biodegradable.

IF YOU HAVE A VISIBLE OIL LEAK: Check around and under the boat for visible oil spills. Sea-Legs oil is environmentally friendly, but even small amounts will be very visible in the water. If you see any oil in the water or around your boat, you may have a loose fitting or leaky cylinder (unless you have overfilled the reservoir tank and oil has spilled in that way). Carefully tighten all fittings (be careful to not overtighten). If your cylinder is leaking or a hose has been cut or is leaking, call your dealer or Sea-Legs for further instructions.

4. AIR IN SEA-LEGS LINES (Sea-Legs stopping and starting during extension or retraction).**LIKELY CAUSES:**

- a. System was not properly bled upon installation.
- b. Air has been introduced due to low oil levels.
- c. Your pressure switch is malfunctioning, sounding the alarm and stopping the Sea-Legs pump.

WHAT TO DO:

When Sea-Legs encounter an air pocket (even a small one), the pump will shut off and an alarm may sound. If this happens, wait just a few seconds and continue extension (or retraction). The air will – over time – work itself out through a vent hole on the reservoir cap. The easiest and fastest way to bleed your lines is to run Sea-Legs fully up and fully down 2-3 times from a deep point in your lake.

TO DISCONNECT YOUR PRESSURE SWITCH (AND ALARM): You can operate Sea-Legs without the pressure switch. If you do so, your alarms will not sound and you will have to listen to hear the Legs reach full retraction under your boat, at which time you should stop retracting the Legs. The pressure switch is a small cylindrical device on the side of the pump with one purple and one white 90-degree connector.

Detach either connector to disable the pressure switch. After several uses you should re-connect the pressure switch again.

5. LEGS ARE STUCK IN EXTEND (BOAT UP) POSITION AND WILL NOT COME DOWN.

LIKELY CAUSES:

- a. Your Rear leg is ahead of your Front Leg (Rear Leg extended “over horizontal center” as compared to the Front Leg). This removes the gravitational advantage the rear of the boat has (it is heavier), in getting the Legs to retract and lower your boat.
- b. Your oil level is low on oil and is air locked.

WHAT TO DO:

Raise the Front Leg so that the front of the boat is higher than the rear of the boat. If both Legs are fully extended, start by lowering the Rear Leg to get it ahead of the front Leg on retraction. Once your front Leg reaches a height equal to or above your Rear Leg, your Sea-Legs should “unlock” and be able to retract normally.

Check the oil reservoir to make sure oil level is about 1/3 full. Add oil if needed.

FRONT LEG RESTRICTION: In order to provide smooth and level operation, extension flow to the Front Leg has been restricted. You may notice that your Front Leg extends at a slower pace (or sounds like it is laboring more) than the rear Leg. This is normal and cannot be adjusted.

IF YOU ARE EXPERIENCING A PROBLEM NOT LISTED IN THIS GUIDE, CALL YOUR SEA-LEGS DEALER OR SEA-LEGS (952-934-7000) AND ASK FOR THE SERVICE DEPARTMENT FOR FURTHER ASSISTANCE.