

Follow This Step-by-Step Guide To Using Your Brownie's

Initial System Start Up

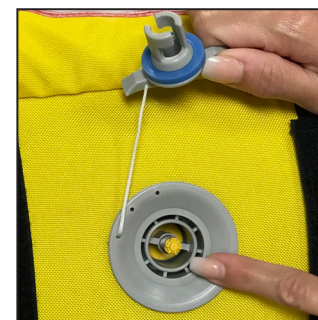
- 1 OIL:** Recommend SAE/ 30W .6 liters / .53 qt.
(Oil is not included with this system and must be purchased separately).
- 2 FUEL:** Recommend REC-90 **NON-Ethanol** with a fuel additive treatment.
- 3** Check / Clean **IN-LINE PARTICLE FILTER** found inside the in-line filter assembly located at the end of the black heat transfer hose. Particle filter “bump” goes in first.
(See In-Line Particle Filter image on reverse side)
- 4** Remove black **DUST CAP** from socket and insert clear air intake staff / flag.
- 5** Turn **FUEL LEVER ON**
(For location of lever, refer to engines owner's manual).
- 6** Turn **ENGINE SWITCH** to **ON** position
(For location of switch, refer to engines owner's manual).
- 7 CHOKE:** Left **ON** / Right **OFF**. For a cold start, choke should be **ON**. After 3-5 seconds the system is running smoothly, turn choke **OFF**. (For location of choke, refer to engines owner's manual).
- 8** PULL cord to initiate **ENGINE Start Up**.
- 9** Re-adjust choke to **OFF** position as engines warms up.

END OF DAY CARE AND MAINTENANCE

1. With the Air Intake Staff in place and the system running, thoroughly rinse your motor/compressor with fresh water.
2. While system is still running, remove Air Intake Staff and gently **MIST** fresh water over exposed socket allowing a **MIST** of water to enter your compressor. **DO NOT POUR AN ABUNDANCE OF WATER INTO COMPRESSOR WHILE SYSTEM IS RUNNING – MIST ONLY!**
The compressor is not a sealed unit and can be exposed to salt water throughout your dive. By MISTING water into your system while running you are cleaning the compressor parts from the inside out.
3. While system is running, utilize the air coming from your heat hose to blow excessive water from the exterior components.
4. Turn the Fuel Lever OFF and allow your motor to burn the excess fuel from the carburetor out. Even with the fuel lever **OFF**, it will run for 3-4 minutes. This step is essential in maintaining a clean carburetor.
5. Brownie's recommends applying a coat of a rust inhibitor on the engine component **only**. **DO NOT APPLY ANY LUBRICANT OF ANY KIND ON THE COMPRESSOR.**
6. Brownie's recommends the use of a fuel stabilizer/ethanol treatment for every gallon of fuel used in the system.
7. Before disconnecting hose and regulators, make sure to release the pressure in the lines by purging a regulator.
8. Always install the dust cap on the Remote Air Intake socket immediately after removal of Intake Staff.

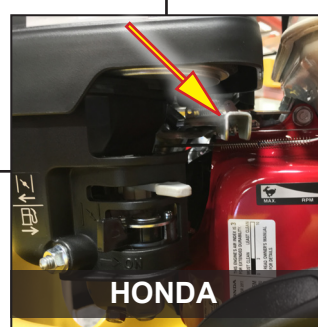
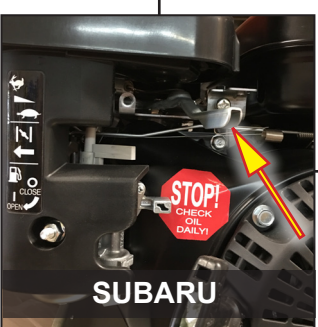
BROWNIE'S TUBE - INFLATION/DEFLATION

1. **Start your system!**
2. On the Brownie's Tube, lift the protective flap from fill area and unscrew grey cap.
3. Insert provided fill adapter into hole and twist to lock in place.
4. Insert male QRS (Quick Swivel Release) fitting found at the end of the heat hose in to clear plastic tube and hold in place.
5. **Inflate** inner tube ¾ full and **STOP**.
6. Insert black heat hose through the hole at the bottom of the yellow pan.
7. Insert unit mounted in yellow pan into the center of the Brownie's tube and secure all 4 buckles.
8. Now – continue to inflate the Brownie's tube until it is snug around the base of the yellow pan.
9. Place grey cap on and secure protective flap.
10. **To Deflate:** Remove grey cap under protective flap. Press in the yellow button and 1/4 turn to lock in the open position.
11. To reset yellow button, 1/4 turn back to original position.



DO NOT OVERINFLATE
THIS TUBE DOES NOT HAVE AN OVER PRESSURE RELIEF VALVE.
THE INNER BLADDER WILL BURST IF OVERINFLATED. OVER INFLATION OF THE TUBE IS NOT COVERED UNDER WARRANTY.

DO NOT ADJUST THROTTLE LEVER



For optimal compressor performance, the Maximum throttle speed is **FACTORY SET** with a set screw in place to an average 2350 RPM and should **NOT BE ADJUSTED HIGHER AT ANY TIME**. Adjusting the throttle any higher than the pre-set 2350 RPM will cause the compressor components to prematurely wear. The throttle may be adjusted to a lower setting. **Changing the factory preset maximum speed will automatically VOID the WARRANTY on your system.**

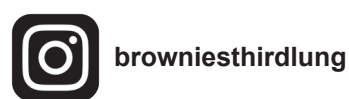
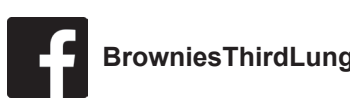
1. Divers Down Flag
2. Fresh Air Intake Staff
3. Throttle Lever - Do Not Change
4. Heat Transfer Hose
5. Custom Boat Tube
6. Hose Retaining Straps



WARNING
IF THERE IS ANY QUESTION ABOUT THIS PRODUCT BEING UNSAFE TO USE, DO NOT OPERATE THIS SYSTEM.

FOR MORE QUESTIONS CALL US AT 954.462.5570

Need Help? Need to Speak with a Technician?
Do Not Return This System to the Store! Call Us First!
Visit our website for Troubleshooting & Frequently Asked Questions



RECOMMENDED SERVICE

ENGINE OIL CHANGE:

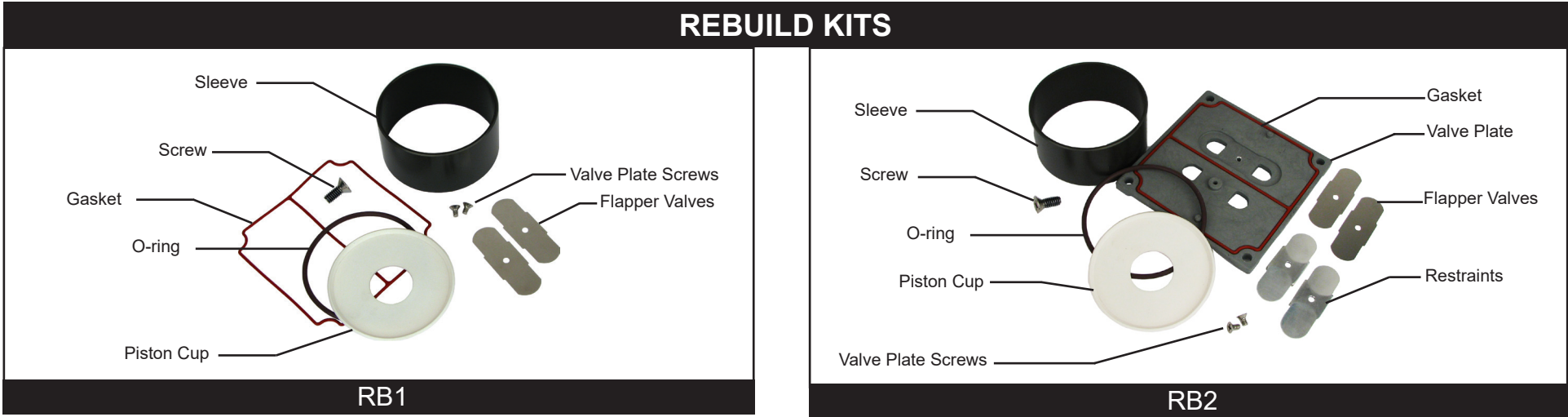
Recommend an oil change every **100 hours** engine run time.
(Oil is not included with system and oil must be purchased separately)

COMPRESSOR REBUILD KIT:

Not unlike the tires of your vehicle, the Direct Drive compressor has consumable parts that will wear over time. The Direct Drive piston’s seal cup should be inspected and/or replaced annually or 125-250 hrs to ensure maximum performance. In some cases, you may noticed that the system is operating just fine, but you are not getting the same amount of air flow as before. This is your subtle indication that it is time for a Rebuild Kit.

Part # BTL-DDRB1

- The **F285BE, F285X, C270** and **E150** series systems require quantity (1) Rebuild Kit.
- The **F390X, C390, CTD390** and **E250** series systems require quantity (2) Rebuild Kits.



HEAT HOSE:

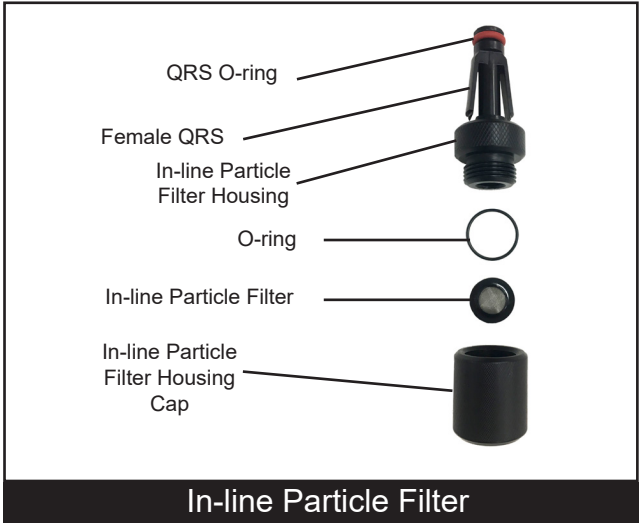
The black hose from the compressor is designed to disipate the temperature/heat coming from the compressor prior to reaching the Peleton TM Hose System. The black hose should be routed down through the oval hole of the yellow pan and into the water. **DO NOT DRAPE THE HEAT HOSE OVER THE TUBE AND COVER.** The heat from the hose could melt through the plastic tube causing the tube to pop and your system to sink.

IN-LINE PARTICLE FILTER:

Always check prior to each dive to verify filter is clean. To clean properly, simply rinse away any debris with fresh water and replace. Replacement filter screens are available to purchase.

DROP WEIGHT CUMMERBELT:

Make certain to test for your proper weighting prior to diving in open water. Refer to your online training program provided with this system or your local dive store/ instructor. Make certain your weights are secure inside their pockets and the exterior clip holding the weight pocket in place is secured. Soft shot weight pouches recommended. *(Weights are not included)*



IMPORTANT

SAFETY FIRST:

Third Lung diving is designed for shallow water, unobstructed diving and should never be used in enclosed areas. Should you be diving in depths deeper than you feel comfortable performing a free safe emergency ascent, it is recommended that you carry a redundant air source. Brownie’s offers several packages that includes the Brownie’s Third Lung Egressor package with your choice of a 6 cf, 13 cf pony bottle or a globally available SpareAir™ with a 3.0 cf cylinder.

WARRANTY:

Brownie’s Third Lung products are warrantied to be free of defects in material and workmanship for a period of 1 year from the time of purchase. A copy of your receipt is required to verify warranty eligibility. Product registration is located on our **Resources** page of our website. Neglect is not a warranty!

PRODUCT REGISTRATION:

Register your Brownie’s system on our webiste at www.BrownieDive.com to receive a discount promo code towards your next purchase. Also, by registering your products, you stay updated with new products, trade-ins, events and special deals. See our site for additional information.

ONLINE TRAINING:

At no additional cost, Brownie’s includes **FREE** online training with every system purchased to cover each diver. All users of Brownie’s Third Lung equipment should be formally trained in the precautions of breathing compressed air underwater. Contact your preferred local professional dive center and/or training agency for training prior use.

WARNING

All users of Brownie’s Third Lung equipment should complete the online training program, supplied with your system prior to diving.



BTL Online Certificate

ACCESSORIES AVAILABLE

