



## **Installation Instructions for 1999-2002 Ski-Doo ZX Chassis**

- LEFT SIDE:** Remove the two bolts and top clamp from the brake master cylinder assembly. Place the top half of the Lefty's throttle block in its place, then install the lower half of the throttle block on the bottom side (the one that holds the cable) and secure it with the two stainless bolts provided. **Note:** The cable must be routed on the front side of the handlebar and on the inside of the handlebar cover. Also the thumb lever should be pointing straight down. Next, install the thumb lever using blue Loctite on the threads of the bolts. Then pull the cable into the slot that is on the inside of the thumb lever until you hear it snap in place. Next, you will need to loosen the plastic high beam switch housing and slide it all the way over to the mountain strap. **Note:** The set screw is on the bottom of the plastic housing. Position the entire assembly as far to the inside as possible. This will allow room for your left hand to function comfortably and safely. Secure grip heater wires with cable tie so wires are clear of the throttle lever.
- RIGHT SIDE:** Remove the plastic cover in front of the kill switch. To do this, place a small screwdriver to the center of the plate and pry in a horizontal direction to release the latch. Next, hold the cable support bracket on the front side and on the bottom (right under the opening) and drill two 3/16 holes through the plastic assembly, using the cable adapter as a guide. Next, secure the cable adapter to the housing with the threaded backing plate located on the inside. Replace cover. **Note:** You should thread the cable on to the end plate before you fasten it on to the sled.
- BELLCRANK:** Inspect the bottom of the OEM throttle lever for any extrusions that may interfere with the Lefty's bellcrank; if there are any they will need to be trimmed off. Hold the Lefty's bellcrank up to the bottom side of the OEM throttle lever with the stepped portion up and the end with the hole pointing forward. Position it as close to the stock pivot bolt as possible without making contact. **Note:** Make sure the bell crank is not against or touching the OEM pivot bolt. On the forward hole of the bellcrank drill a 5/64" hole through the OEM throttle lever and install one of the provided 5/8" sheet metal screws. Attach the cable end to the bellcrank with the nut on the bottom. **Note:** Do not completely tighten the screw, as it must be able to freely slide on the cable and rotate in the bellcrank; if it does not it will bend and damage the cable. Next you will need to rotate the bellcrank outward on the screw that was installed in the OEM throttle lever to get initial free-play adjustment. Initial adjustment should be no less than 1/32" and no more than 3/16". This adjustment is measured between the screw head and the ball on the end of the cable. Once you have achieved this adjustment you can drill and install the rear sheet metal screw on the bellcrank. **Note:** Make sure the sheet metal screws do not protrude past the inside of the thumb lever creating interference with anything. If they do the screws must be trimmed off.
- ADJUST CABLE:** You can now adjust the cable by threading it in or out of the right side cable adapter. Your last adjustment should be made after you pull the left throttle all the way down five times. When the throttle is relaxed you must have 1/32" to 1/16" of free play between the cable pivot screw and the cable fitting at the end of the bell crank. **Note:** You may move the right side throttle block if you need, so that the cable is relaxed.
- Once these adjustments have been completed you can secure all bolts, nuts, and screws. Make sure the entire assembly works freely, and does not bind in any position.

**Caution!** Before starting your machine, **always** pull the thumb lever to full throttle and release. You should hear the snap of the carbs closing. Do this several times to ensure that there is no ice or frost buildup that can cause problems. **Always** think safety first!

**Should you have any problems during installation, please call (208) 255-5800**



## **IMPORTANT SAFETY WARNINGS!**

**It is your responsibility to READ and SAVE this document  
Do not operate any vehicle equipped with this device without  
first reading these important warnings.**

- 1 Operating any motorized vehicle is a dangerous activity and can cause serious injury, even death. Do not operate under the influence of alcohol, drugs or prescription medication.
- 2 Read and be familiar with the instructions before proceeding with installation. Compliance with the instructions is imperative for safe operation of this device.
- 3 Inspect cable, bell crank, and fasteners for fit, wear, and freedom of movement before each ride, so as to assure safe and proper operation.
- 4 Before starting your snowmobile, **ALWAYS** free the throttle. Push the throttle lever to the handlebar wide open and then let it snap back. Repeat this process two to three times. This will knock ice or frost loose in the carburetor that could cause the throttle to stick wide open.
- 5 You must wear appropriate safety attire including a helmet, protection for hands, body and feet and all other items necessary for proper protection at all times.
- 6 You are engaged in a hazardous activity. This device will not guarantee protection from injury. You and you alone are responsible for the safe installation and operation of this product on your vehicle.
- 7 You, as operator, absolve LEFTY'S DTC LLC of all liabilities from use of this product and assume any and all legal fees and medical bills should they occur.

### **DISCLAIMER OF WARRANTIES AND LIMITATION OF DAMAGES**

The use of a snowmobile, with or without after-market accessories, is hazardous to its participants, including serious personal injury, death, and/or property damage, regardless of all feasible safety measures which may be taken.

Seller disclaims all warranties, express or implied, including any warranties of merchantability and/or fit to vehicle.

Buyer's sole and exclusive remedies for any breach or damages are limited to the return of the goods at buyer's expense and repayment of the purchase price or to repair and replacement of nonconforming goods or parts, which is at the sole discretion of Seller. Seller specifically excludes and shall not be liable for any consequential or incidental damages, including liability for death or injury to person or property.

**Please contact LEFTY'S DTC LLC for clarification if you do not understand this document.**

**AFTERMARKET SNOWMOBILE ACCESSORIES PRODUCTS**

(208) 255-5800 ~ PO Box 107 ~ Kootenai, ID, 83840 ~ [www.goleftys.com](http://www.goleftys.com)