Rev2 Installation Instructions

This product will allow you to set the amount of throttle twist to suit your style and riding conditions. This throttle kit may be used with all motorcycles, scooters, and ATVs. The kit includes all the necessary parts to install the Rev2™ throttle in your existing motorcycle.

Step 1: Installing the Rev2™ Throttle Kit

Rev2™ cables and fit the push and pull cables into the Rev2™ reel. The cable wires should fit snugly together and the throttle should operate smoothly. If not, double-check that the reel is the correct size.

Step 2: Installing the Rev2™ Cables

Installing the Rev2™ Cables

Stationary Idle Testing

Step 7: Reassemble the Rest of the Bike

Installing the Rev2™ Throttle

Step 3: Check Cable Clearance

Before installing the new cables, first lubricate the cables using a cable luber (Motion Pro P/N 08-0182) and high quality cable lube (Motion Pro P/N 15-0002). The cables should have 2-3mm of freeplay. If you are able to access the exposed wire of the return cable, make sure it does not drag and that there is some freeplay. Without quick cable check to make sure cable slack is correct and the throttle always snaps back as quickly as before. If not, the return cable is too tight. Adjust and replace any component that is worn.

Step 4: Install Throttle

Changing Reels

To change reels after the installation is complete, remove the barrel and reel assembly, install the new reel and install the barrel. Make sure the reel is a drop-in replacement for your motorcycle's stock reel. If not, you may need to modify the reel to fit your motorcycle.

Step 5: Snap Collar Back Together

The best place for a test ride is at a closed course racetrack. Make sure to ride the bike after full brake pressure is applied. If this is the case, move or rotate the throttle and/or bars are turned. Then twist the throttle to raise the engine speed above idle and release the throttle.

Step 6: Make Idle Adjustments

The engine should return quickly to a normal idle. After installation of the thin wall, you should be able to deflect it from straight by a slight cable adjustment. Make sure the cables are not pulled too tight and that there is some freeplay. If you are able to access the exposed wire of the return cable, make sure it does not drag and that there is some freeplay.

Step 8: Install the Grips

Installing the Rev2™ Throttle

The Rev2™ throttle is designed so that you can easily change reels of the throttle to adapt to different riding situations. A fast turning throttle can be used for high-speed street/race situations, while a slow turning throttle is better suited for off-road applications.

How the Rev2™ Works

The included cam reel has a progressive profile that allows the throttle to act like a sensitive, long twist throttle during the initial small throttle openings for precise control and then acts like a more aggressive short twist throttle at large throttle openings.

Rev2™ Reel Set

The third dimension of your motorcycle throttle housing. The Rev2™ throttle minimizes drag and resembles the throttle of a high performance motorcycle. The most important aspect of installing the Rev2™ throttle kit is to ensure a proper assembly and the correct fit before final installation.

How to Install

Before you begin, make sure you have all the necessary tools and components to complete the installation. The Rev2™ throttle kit includes all the necessary parts to install the throttle in your existing motorcycle.

WARNING: Failure to install this kit properly could cause great bodily injury or death. Dealers are to advise customers of this warning. Doing so will help to keep your motorcycle's throttle operating properly.

Maintenance of the Rev2™ Throttle

The Rev2™ throttle is a precision engine-mounted multi-vane device that is designed to operate in the same manner as your motorcycle's stock throttle. The kit includes all the necessary parts to install the Rev2™ throttle in your existing motorcycle.