

# SUZUKI BURGMAN 650 EXHAUST TIP INSTALLATION

**Purpose of exhaust tip is to divert the heat from the muffler away from the rear mud guard.  
Needed only with the old style rear mud guard.**

Exhaust tip installation

1. Place stainless steel exhaust tip over muffler tip of motorcycle. We suggest you face it toward the outside.
2. Drill (2) holes with a 9/64" drill bit through the holes in the exhaust tip into the muffler tip. Attach exhaust tip with (2) #10 x 1/2" sheet metal screws provided with kit.



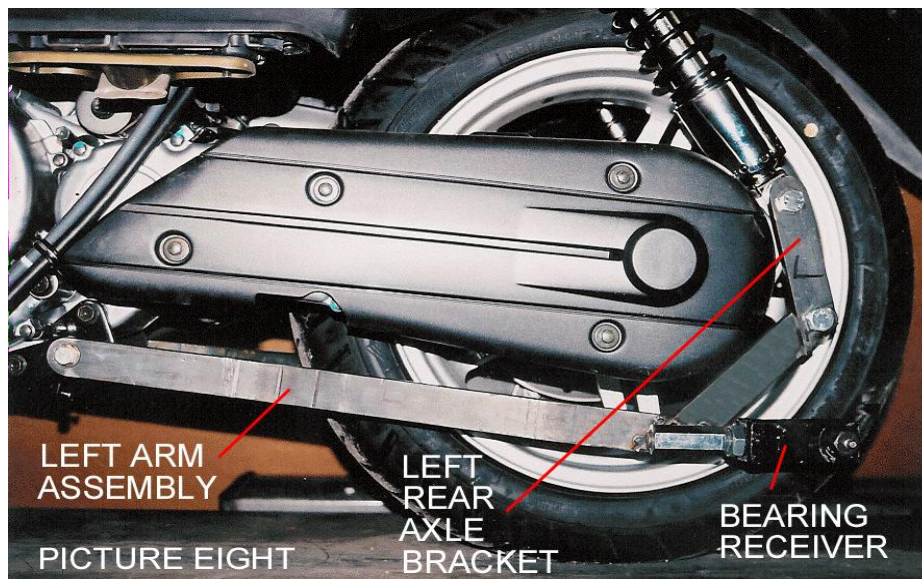
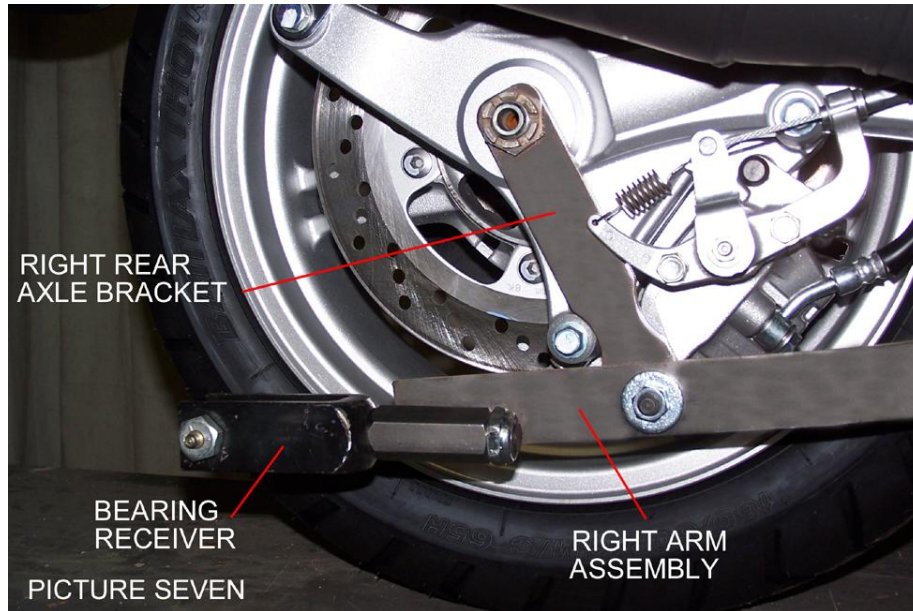
Muffler tip of  
motorcycle



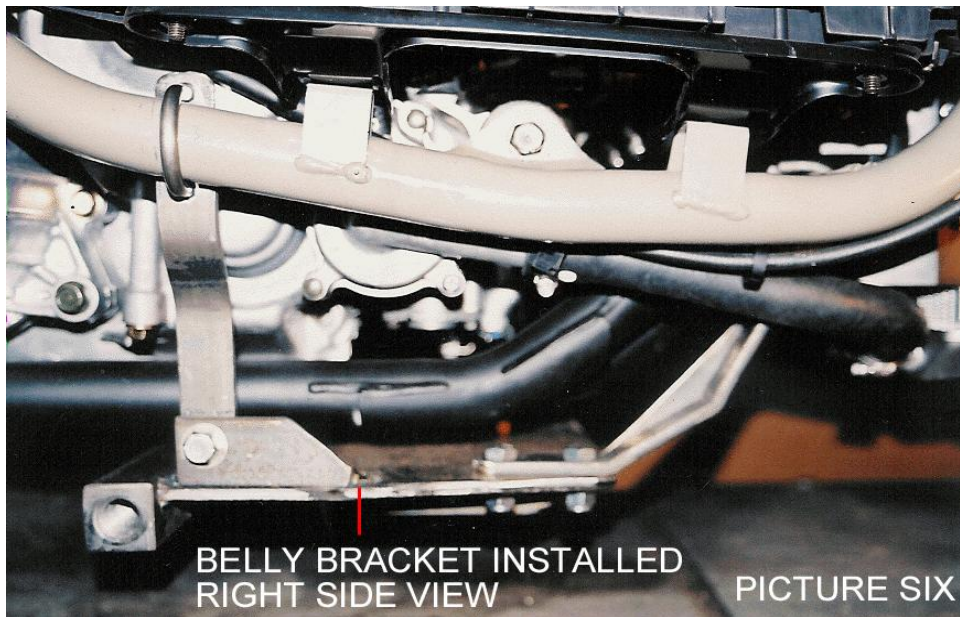
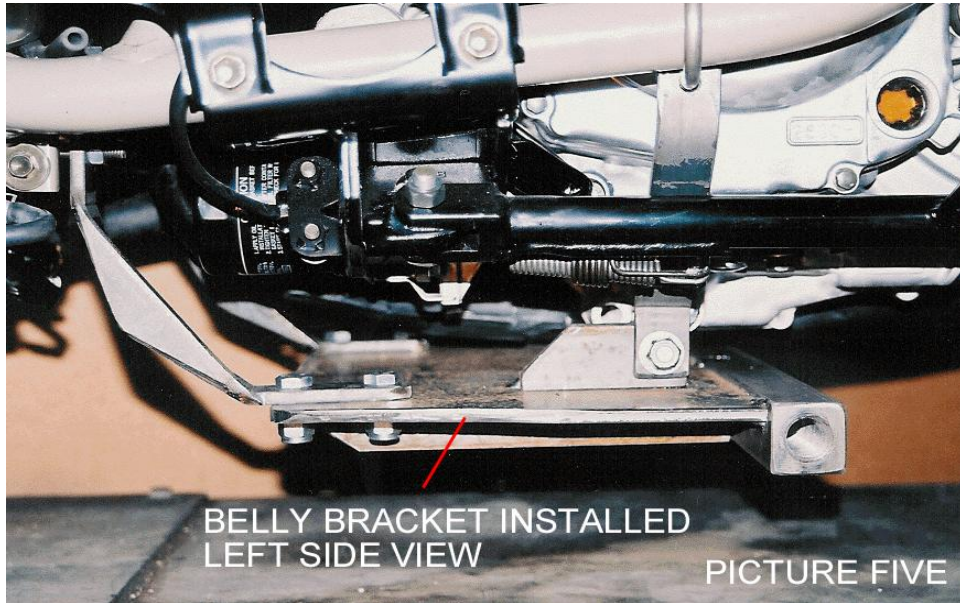
Exhaust tip  
installed on  
motorcycle.



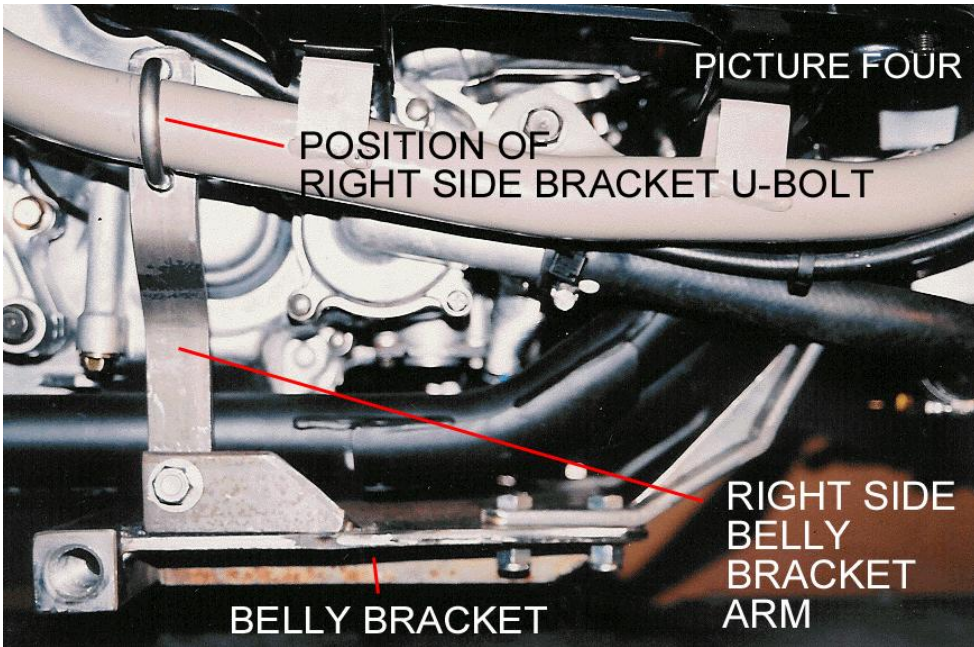
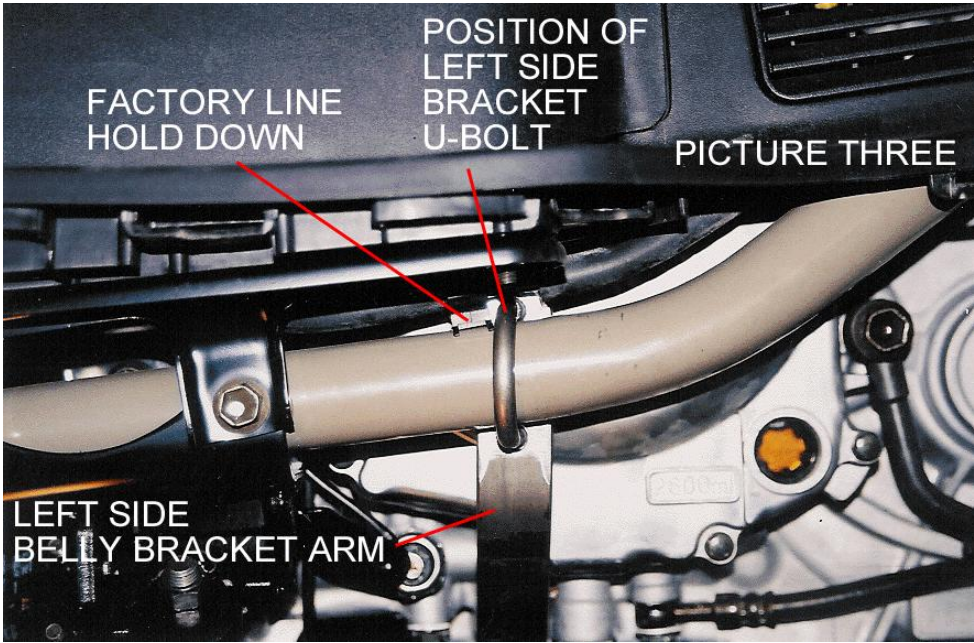
SUZUKI BURGMAN 650 (2009-)  
LEFT & RIGHT ARM ASSEMBLY &  
LEFT & RIGHT AXLE BRACKET INSTALLED  
(PICTURE 7 & 8)



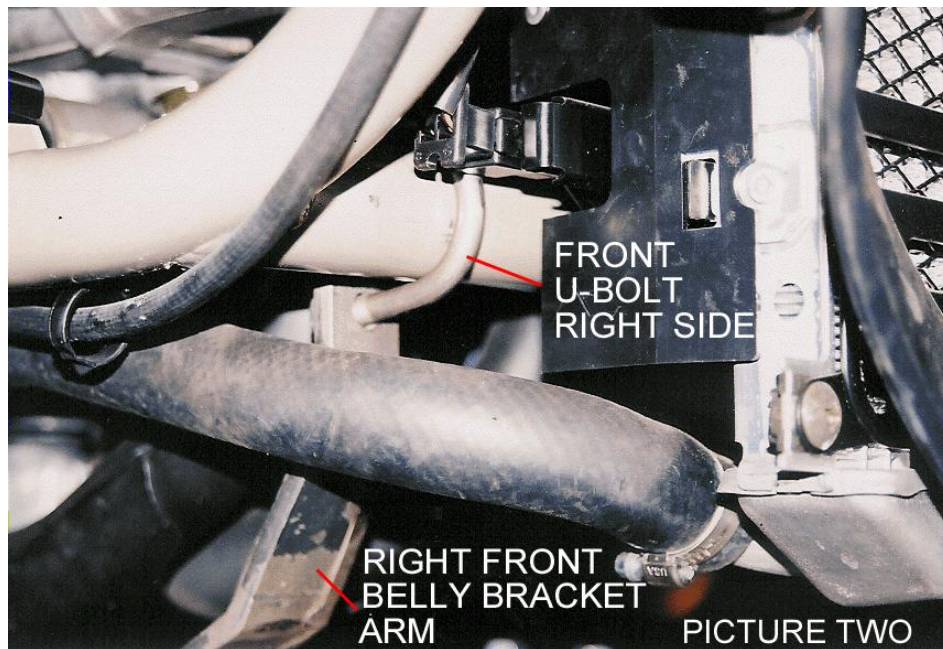
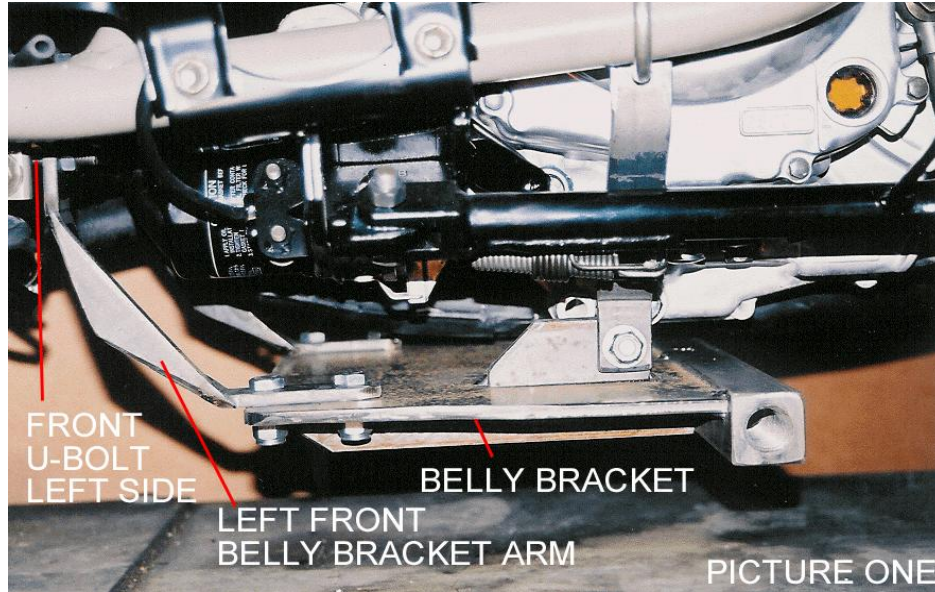
SUZUKI BURGMAN 650 (2009-)  
BELLY BRACKET INSTALLED (PICTURES 5 & 6)



SUZUKI BURGMAN 650 (2009-)  
LEFT & RIGHT SIDE BELLY BRACKET ARMS  
INSTALLED (PICTURES 3 & 4)



SUZUKI BURGMAN 650 (2009-)  
LEFT & RIGHT FRONT BELLY BRACKET ARMS  
INSTALLED (PICTURES 1 & 2)



# SUZUKI BURGMAN 650 (2009-) DESCRIPTION OF PARTS

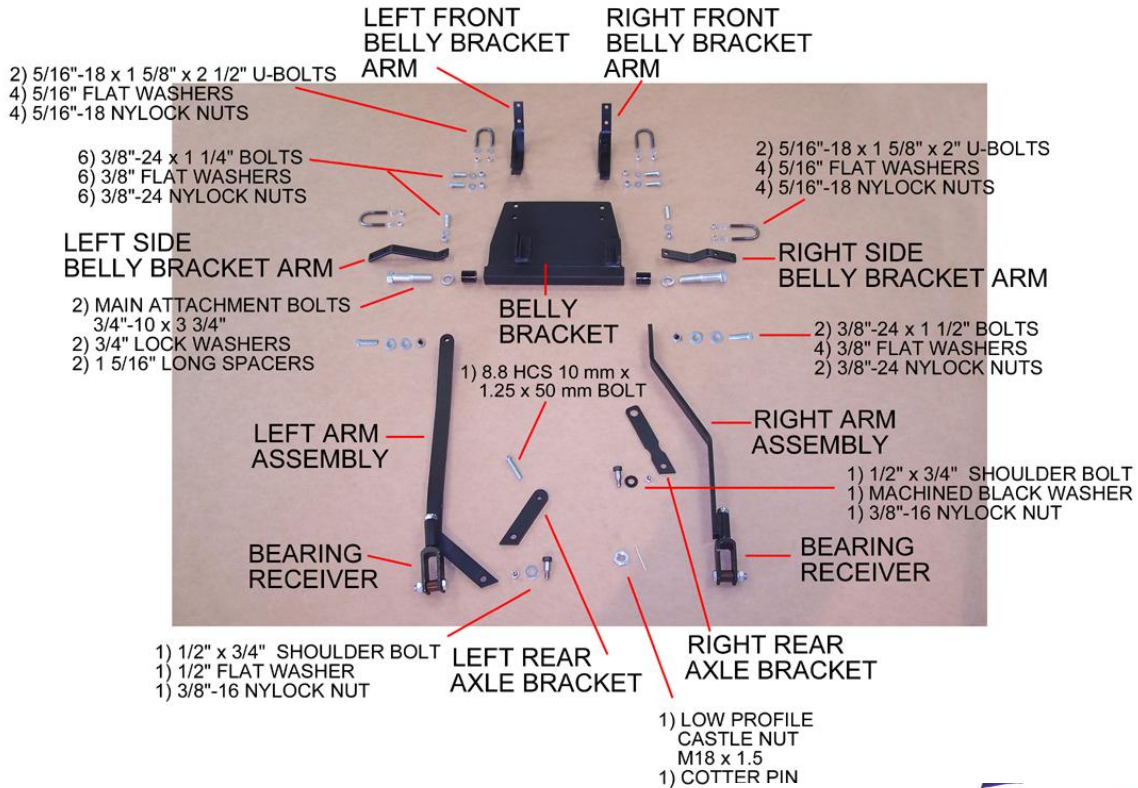


ILLUSTRATION OF SHIM PLACEMENT  
BRACKET PICTURED MAY NOT MATCH YOUR BRACKET

Two 3/8" washers used as shims– not shown in picture above.  
**You may or may not have to use the shims. See note below.**

After installing the mounting hardware and attaching the Voyager frame to the belly bracket you may need shims to make the motorcycle stand straight up and down. The shims may be used on either the left or the right side depending on which way the motorcycle is leaning. If the motorcycle is leaning to the left put the shims on the left side. If the motorcycle is leaning to the right put the shims on the right side.

Needed only with the  
old style rear mud guard

**Place shims over  
front holes of belly bracket  
in-between front belly bracket arm.**

# **SUZUKI BURGMAN 650 (2009-) DESCRIPTION OF PARTS**

Needed only with the  
old style rear mud guard

# SECTION 1

## INSTALLATION OF SUZUKI BURGMAN 650 (2009-) MOUNTING HARDWARE

Place motorcycle on a clean flat surface. Make sure to tie down motorcycle so it does not tip over during installation of Voyager hardware. Installation is easier if motorcycle is in an upright position.

**Disconnect negative cable from battery before beginning installation.**

**NOTE:** The Voyager Convertible Kit was designed for a stock motorcycle from the manufacturer. Any after market products that are on a stock motorcycle may cause the installation process to not be done properly and may or may not need to be removed to be able to install the Voyager Convertible Kit completely. Be aware that your motorcycle and the same make & model as someone else's motorcycle may not have mufflers, body panels, frames, fenders and any other manufacturer parts that are attached to the motorcycle in the exact same place as yours. We at Motorcycle Tour Conversion, Inc. take that into consideration when we manufacture our parts to fit your motorcycle. Once in awhile you may need to modify your motorcycle slightly so that the Motorcycle Tour Conversion, Inc. hardware or suspension fits your motorcycle. Please call Motorcycle Tour Conversion, Inc. if you have any questions about installation with after market products or any modification of motorcycle and/or Motorcycle Tour Conversion, Inc. hardware.

### A) **Belly Bracket**

- 1) Remove left and right sides lower skirts and bottom plastic engine cover. The bottom cover you will leave off. The lower skirts you will put back on when done with installation.
- 2) First you will have to install (4) belly bracket arms for the belly bracket to attach to.
- 3) (2) U-bolts, 5/16"-18 x 1 5/8" x 2 1/2", are used to install the front belly bracket arms to the frame of the motorcycle.  
Install the front two belly bracket arms, (Note: the brackets will be marked 'FL' Front Left and 'FR' Front Right), to the front cross member of motorcycle frame, which is located just behind the radiator fan, using (2) 5/16"-18 x 1 5/8" x 2 1/2" u-bolts. Make sure the threads of the u-bolts face the rear of the motorcycle. Now install bracket arms, FL & FR, using the 5/16" flat washers and 5/16"-18 nylock nuts. (Shown in picture one and two)
- 4) Install (1) 5/16"-18 x 1 5/8" x 2" u-bolt over frame for Left Side belly bracket arm, just behind the factory cable hold down. (Note: this is shown in picture three). Make sure threads of u-bolt face engine. Now install left side arm bracket on inside of motorcycle frame with 5/16" flat washers and 5/16"-18 nylock nuts. (Shown in picture three)



# SECTION 1

## INSTALLATION OF SUZUKI BURGMAN 650 (2009-) MOUNTING HARDWARE

- 5) Install Right Side belly bracket arm using (1) 5/16"-18 x 1 5/8" x 2" u-bolt. Make sure threads of u-bolt face engine. Now install right side arm bracket on inside of motorcycle frame with 5/16" flat washers and 5/16"-18 nylock nuts. (For correct location of bracket see picture four.)
- 6) Install belly bracket to the belly bracket arms with 3/8"-24 x 1 1/4" bolts, 3/8" flat washers, and 3/8"-24 nylock nuts. (Note: Side bracket arms bolt through the inside of brackets and nuts are on the outside. (Correct installation is shown in pictures five and six)

### **B) Rear Arm Assembly**

- 1) Remove center stand.
- 2) Remove axle nut and washer, install right rear axle bracket, marked 'R' for right side, over axle bolt. Install replacement low profile M18 x 1.5 axle nut and tighten. Drill hole in axle bolt for 3/32 x 1 1/2" cotter pin.
- 3) Install the front of right arm assembly to the center stand mounting bracket using 3/8"-24 x 1 1/2" bolts, 3/8" washers, and 3/8"-24 nylock nuts.
- 4) Install the rear of the right arm assembly to the right rear axle bracket using 1/2" x 3/4" shoulder bolt, machined black washer provided with kit (note: install machined washer on head side of shoulder bolt), and 3/8"-24 nylock nut.
- 5) On the left side of motorcycle remove the lower rear shock bolt, install the left rear axle bracket to the lower shock bolt hole with 8.8 HCS 10mm x 1.25 x 50mm bolt.
- 6) Install the front of the left arm assembly to the center stand mounting bracket using 3/8"-24 x 1 1/2" bolt, 3/8" flat washer, and 3/8"-24 nylock nuts.
- 7) Install the rear of the left arm assembly to the left rear axle bracket using 1/2" x 3/4" shoulder bolt, 1/2" flat washer, and 3/8"-16 nylock nut.

(Note: For correct installation of the right and left rear axle brackets and the right and left arm assembly see pictures seven and eight.)



MOTORCYCLE TOUR CONVERSION, INC.  
1530 TITANIUM DR  
OTTAWA, IL. 61350

TOLL FREE: 877-434-7901  
FAX: 815-434-8980

## **SUZUKI BURGMAN 650 (2009-)**

INSTALLATION MANUAL  
US PATENT # 6,739,420

**WARRANTY WILL BE VOID IF INSTALLATION  
IS NOT DONE PROPERLY**

**READ THIS MANUAL FULLY BEFORE  
BEGINNING INSTALLATION OR DRIVING YOUR  
MOTORCYCLE WITH THE VOYAGER KIT ATTACHED**