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Acewell Speedometer Fitting

APPLICATIONS

Honda 1999-2006 250,300,400EX / TRX450R

Read these instructions completely

Step 1. Clean It Up

Start by working with a clean quad. It will make installing the speedo much easier because you will be able to see all the attachment points quickly and easy.

Step 2. Wheel And Brake Removal

Support the front end of the quad and remove the front left wheel. Then pull the front disc and brake assembly off. It is not necessary to remove the brake lines.

Step 3. Rotor Magnet

With the rotor assembly pulled free from the quad, you can mount the pick-up magnet in one of the existing rotor mounting bolt locations as shown in Figure 1.

Step 4. Speedo Sensor Alignment

Temporarily fit the rotor assembly and note the position of the magnet as it crosses the area behind the lower brake caliper mounting bolt (See "X" mark, Figure 2.) and make a mark on the brake caliper mount in this area. Important: Review the backside of the front brake caliper mount and make sure the alignment is correct for sensor and magnet. Magnet, must pass over sensor, in order for sensor to properly pickup wheel speed information.

Step 5. Sensor Wire Routing

After you have double checked the alignment, route the sensor wire by following the brake hydraulic line. You can use a couple of zip ties to secure it, once you have everything lined up.

Step 6. Mounting Speedo Sensor and Bracket

Fasten together the two brackets with bolt and nut as shown in Figure 3. Take one locking nut and fasten onto the threaded sensor and then slide the speedo cable sensor into the U-shaped bracket, fasten second locking nut on the other side holding sensor into position. Take sensor and brackets and test fit to brake caliper mount. The sensor should face outboard toward the wheel, with the top lip on the bracket facing against the caliper mount, as shown in Figure 3.

Then, after you have double checked the alignment of the bracket with the rotor sensor, drill a 1/16" pilot hole through the mounting bracket and then attach with a self tapping, self drilling screw.

IMPORTANT: Make sure rotor passes over sensor and is free from obstruction. Once you have everything lined up, snug down the locking nuts on the sensor. When routing the sensor wire, follow the brake line path and use a couple of zip-ties to hold into position.

Complete by reattaching brake assembly, rotor assembly and wheel. Be sure to follow the procedures in your service manual including torque specifications for all hardware.

MAGNET

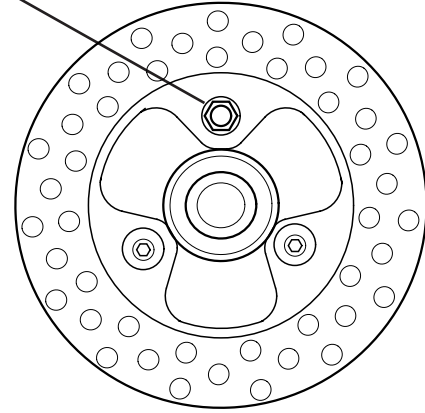


Fig 1. Front rotor with magnet installed

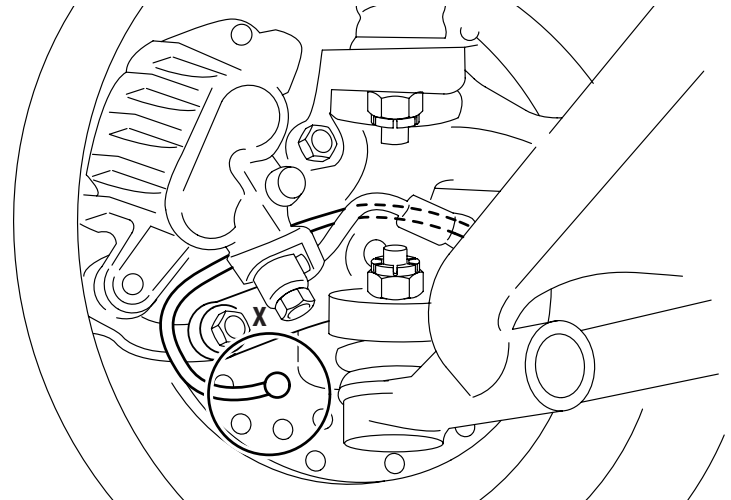


Fig 2. Speedo wire mounting on inside of front wheel. Speedo wire follows front hydraulic brake line.

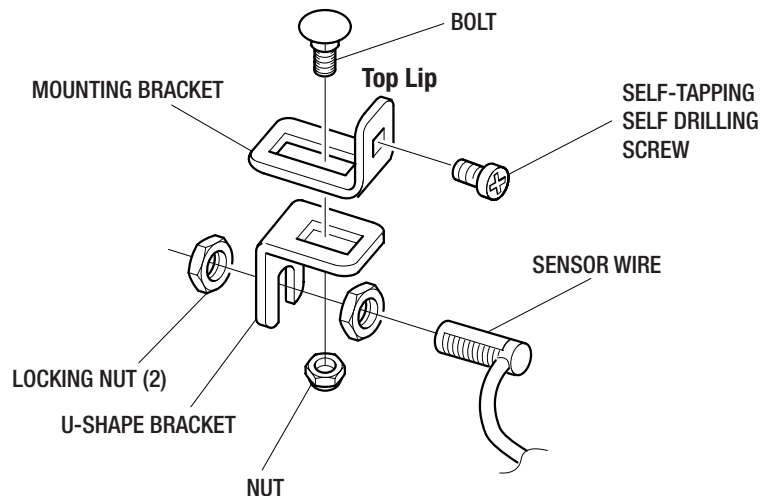


Fig 3. Sensor Bracket and Mounting