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## Acewell Speedometer Fitting

### APPLICATIONS

Bombardier DS650

### 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 Wire

Temporarily fit the rotor assembly and note the position of the magnet as it crosses over the front axel and make a mark on the frame. In most cases it you can make a mark on center to the axel, as shown in Figure 2. Important: Review the backside of the front axel strut and make sure you are free and clear when you drill thru the axle strut.

#### Step 5. Drilling Speedo Wire Hole

After you have double checked the alignment of the magnet and the sensor, drill a 5/32" pilot hole and then drill a 5/16" hole through the axle strut. Use one locking nut and screw onto the threaded speedo sensor and then insert the speedo sensor thru the drilled hole in the axle strut and fasten second locking nut as shown in Figure 3.

**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

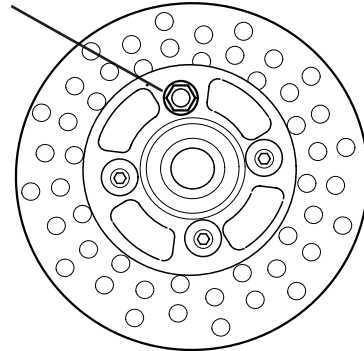


Fig 1. Front rotor with magnet installed

SPEEDO SENSOR WIRE AND LOCKING NUT

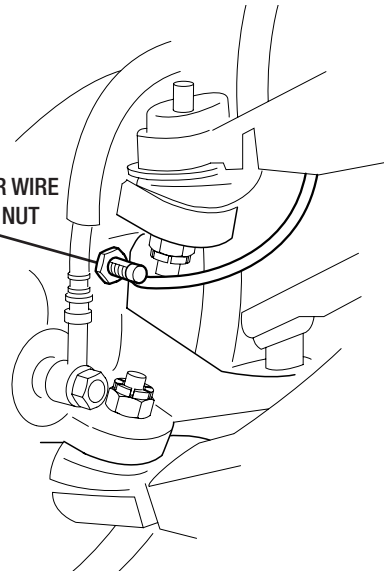
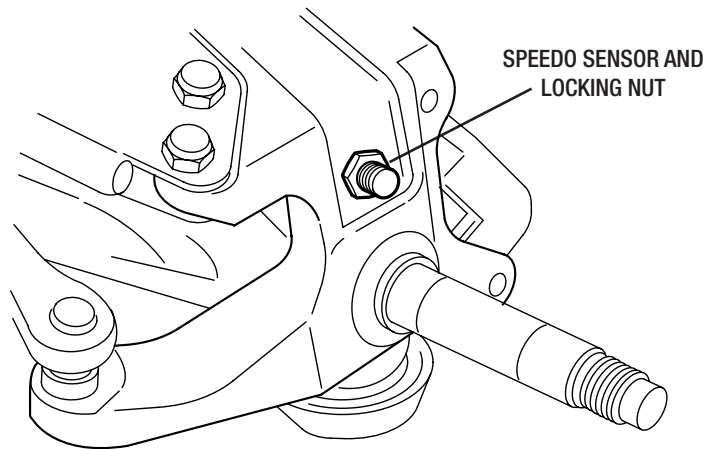


Fig 2. Speedo sensor and wire mounting on inside of front wheel

SPEEDO SENSOR AND LOCKING NUT



FRONT AXLE STRUT

Fig 3. Speedo sensor with locknut fastener mounted into axel strut