

# Acewell Speedometer Mounting Bracket and Pick-Up Magnet Fitting.

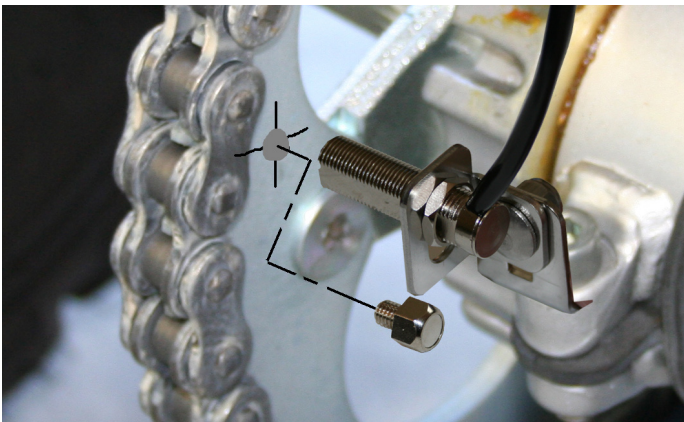
## Sensor Fitting

We have designed these instructions to give you a good understanding of the many possible locations for mounting the sensor pick-up depending upon the model of ATV you have. Compare your ATV to the photographs outlined here prior to starting the installation and match up your similar fitting. Take your time to look over your brackets, how they can stack together and double check the alignment before drilling any holes. Measure twice drill once!

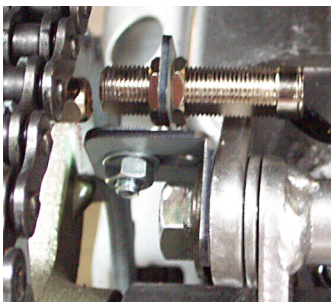
## Sensor and pick-up fitting

Your Acewell speedometer requires the installation of a pick-up magnet which attaches to the sprocket and a sensor which provides a signal to the speedometer. It is important to make sure the alignment is set up correctly or the speedometer will not function.

**SENSOR MOUNTING BRACKET:** After you select the sensor mounting style which matches your ATV, start with fitting the sensor bracket. Review the styles we have noted here and match your ATV to that style.



**MAGNET MOUNTING:** After you have a loose fit the sensor and brackets, you can line up the pick-up magnet. Once you find the correct position, indicate a mark on the sprocket and then drill a 1/8" pilot hole. Using a threaded TAP, create a thread 8mm hole. Then screw in the magnet securely without stripping. You should provide about 4-5 mm clearance between the magnet and the sensor. Adjust the slotted mounting brackets as needed to provide the correct distance and alignment.



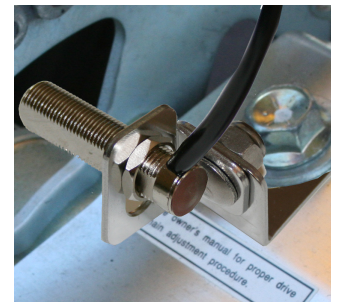
**YAMAHA RAPTOR STYLE:** Loosen the frame nut / bolt which holds the axle into position on the drive chain side. Then slide the "U" shaped bracket in place. Loose fit the sensor bracket with the supplied stove bolt, washer and nut. Once you have everything in position, tighten the nut on the stove bolt as shown. **WARNING:** Be sure to tighten all bolts to manufacturers specifications. For details, please see your service manual.



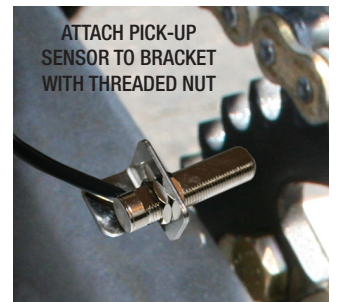
Sensor, Mounting Brackets, Carriage Bolts, Washers and nuts. Note: Sensor only fits into smaller bracket with elongated hole.



Swing arm sensor bracket Suzuki Quadracer 400, Kawasaki KFX400



"Custom" Swing arm mounting sensor bracket installation as shown on swingarm



**Axle Bolt Mounting.** Loosen the OEM bolt used to secure the rear Axle, then use the supplied "U" shape bracket underneath the bolt. Loose fit the sensor bracket with the supplied stove bolt, washer and nut. Once you have everything in position, tighten the nut on the stove bolt as shown. **WARNING:** Be sure to tighten all bolts to manufacturers specifications. For details, please see your service manual.

**NOTE:** Certain models of ATV's may have a recessed mounting bolt. If this is your style, you can modify the "U" shaped mounting bracket in order to allow clearance for the bracket.