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Cable Speedo drive upgrade for Acumen DG8 Digital Gear Indicator.

This unit will allow the use of an Acumen DG8 Digital Gear Indicator on motorcycles equipped with Cable-driven speedometers.

It consists of;

- 1 x electronic reader head
- 1 x mounting with adhesive
- 7 x plastic inserts
- 7 x magnets
- 4 x long cable ties
- 6 x short cable ties.
- 1 x Allen Key

The unit can be mounted to the front or rear wheels. The reader will send an electrical signal to the DG8 relative to road speed, and works when the magnets move past the reader.

The magnets fit inside the plastic housings and these housings will fit into most allen-head screws which secure the brake discs to the wheel. These magnets do not need to be regularly spaced, so you could fit, say, the 7 magnets to a disc which has 10 holders. It will not affect the performance. You may need to glue the magnet holder into the allen heads using a 'superglue' or Silicone Sealant.

Decide where you will mount the reader and mounting. The mounting block has VHB tape (Very High Bond) pre-mounted to the mounting block. The reader should be in line with the magnets and have an air gap of no more 20mm. The reader slides in and out of the mounting block to obtain this air gap. When at the desired position, lock the reader in the block by nipping the grub screw. **DO NOT OVERTIGHTEN!** We recommend the part of the motorcycle to which you are mounting the block is cleaned thoroughly and is free from grease and oil. After you have mounted the block, we recommend two cable ties are tightly wrapped around the block for at least a week, to ensure the VHB tape has reached it's maximum adhesive strength.

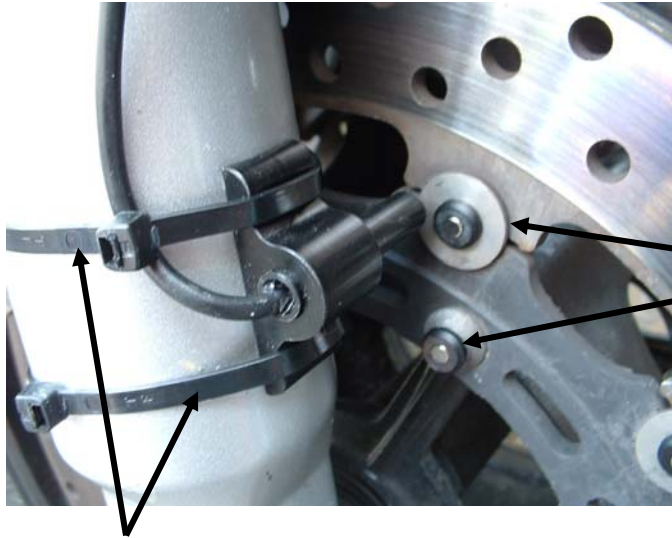
The Wire will be connected to the wires from the DG8.

Connect the DG8 as per the DG8 instructions, with the exception of the ORANGE wire, which you will connect to the BLUE wire of the reader.

Connect the reader RED wire to the RED wire of the DG8 AND the ignition wire of the motorcycle

Connect the reader GREEN wire to the DG8 BLACK wire AND the motorcycle ground wire.

Ensure the wire is routed and cable tied in a safe manner. Keep away from hot items and moving parts, such as handlebars. Ensure there is sufficient slack for full suspension movement.



Magnets and holders mounted in either position.

Cable ties added to assist the VHB during the curing time

NOTE! If you have fitted the reader to the front wheel, you will need to ride the motorcycle to teach the DG8 (Section 3 of the DG8 instructions). We recommend you use a rolling road.