

Electronic Cruise Control for **HONDA VFR1200F** **Manual & DCT Shift**



The following provides a brief description of the power consumption and component locations of the MotorCycle Setup electronic cruise control.

See the note about tools required for this installation at the end of this document.

Installed weight of the cruise control is approximately 1.0kg.

Current draw is approximately 0.20 to 0.40 amp (2~4 watts).

By comparison, a head light bulb typically draws about 4 amps (55 Watts), and a tail light bulb (running light) draws about 0.4 amp (5 Watts).

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Refer to the line drawing on the back of this sheet to identify the components from the numbers in the text.

The **Computer (1)** mounts under the seat. There is self-adhesive Velcro provided in the kit to mount the computer.



The **Control Switch for VFR1200F manual shift (2)** is mounted to the left hand (clutch) master cylinder handlebar clamp. The bracket mounts between the upper faces of the clamp. The clamp must have about 1.5~2.0mm (0.060"~ 0.080") filed from the upper face of the clamp to allow for the thickness of the switch bracket.



The **Control Switch for VFR1200DCT automatic shift (3)** is mounted to the right hand (brake) master cylinder handlebar clamp. The bracket mounts between the lower faces of the clamp. The clamp must have about 1.0~1.5mm (0.040"~ 0.060") filed from the lower face of the clamp to allow for the thickness of the switch bracket. The control switch ends up very close to the fuel tank when the bars are turned all the way to the right (see photo below right). This might cause clearance issues when a tank bag is used.



If you wish to mount the **Control Switch (4)** above the handlebar on the DCT version, a replacement control switch bracket can be supplied in the kit at no extra cost. This bracket may also be purchased as a separate item if desired. The part number of this alternate bracket is MCS830B.

NOTE: - Using the control switch when mounted above the handlebar on the right side (DCT version) is definitely not as easy as when mounted below the handlebar. We would not recommend this unless other accessories make it impossible to use the standard arrangement.



NOTE: - The size and mounting arrangement of the left side switch gear and handbrake on the DCT bike make it impossible to safely mount the control switch on left handlebar.

MotorCycle Cruise Controls

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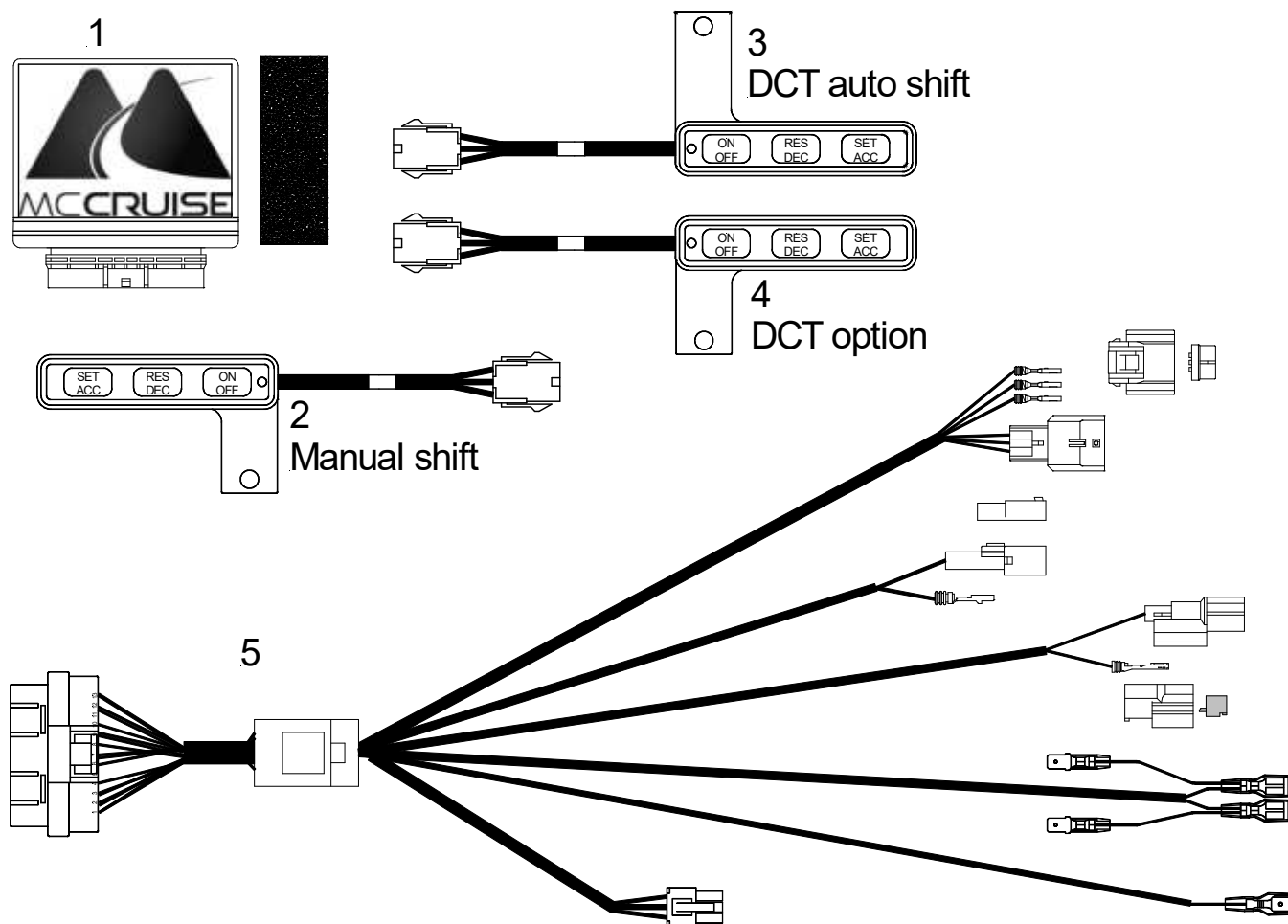
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The **Wiring Harness (5)** has the same type of plugs or terminals that are already used on the motorcycle. Power for the cruise control and brake sensing is taken off the brake light switch by unplugging the front brake light switch. Matching connectors on the cruise control loom are plugged in to the switch and the bike's harness. Speed sensing is sourced from the bike's speedometer speed sender via the bike's accessory connector. Provision to allow other accessories to be connected to this connector is included; the cruise control does not prevent other accessories being connected. Tach (engine speed) sensing is detected from the bike's primary ignition circuit. This is used to disengage the cruise if the clutch is operated or a gear change occurs. On the manual model the bike's clutch switch is also connected to the cruise control to disengage the cruise control. The cruise control connects the bike's Throttle Grip Position Sensor (TPS). This connection is used to operate the bike's throttle. The connectors, terminals and seals used on this harness are the same type as used on the motorcycle's original TPS connection to ensure that an OE quality connection is maintained. There is no cutting or splicing of wires required anywhere in the installation of the cruise control kit.



NOTE: - The installation of the cruise control also requires that small and delicate electrical terminals are backed out of connector housings. Suitable tools to do this are available to be ordered with the cruise control if the installer does not have such tools already. Backing out these terminals without suitable tools is almost impossible. See over page for details.

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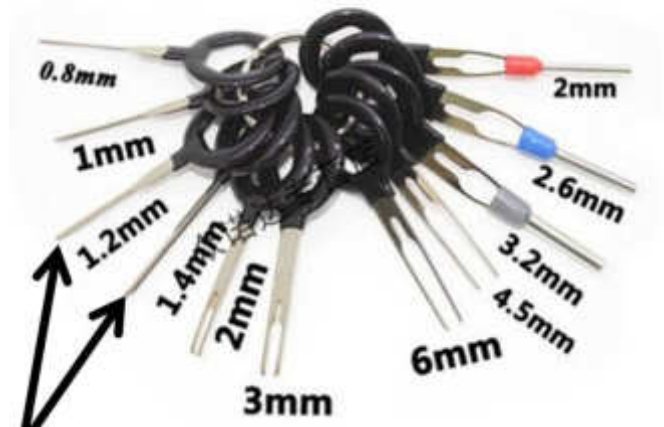
If the cruise control is ordered with the optional terminal extractor set the correct tools in the set are identified by a paint mark (arrowed). Note that we apply the paint. If you have your own terminal extractors they will not be marked.

The width of the blade on these tools are 1.4~1.5mm on one and 1.2~1.3mm on the second, and the thickness of the blades are 0.5~0.6mm. Ideally, for this application the tool should probably be a little wider, 1.7mm or so, the blade thickness seems to be fine.



The 11 piece set we supply in the kit as an optional purchase seems to be generally available on Ali-Express and EBay for a few of dollars, by searching for the part number ZZLJ7596 or by searching for 'terminal extractor set'.

The set in the photo is a typical 11 piece extractor set. The tools needed are the two arrowed with 1.2mm and 1.4mm wide blades.



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