Electronic Cruise Control for

HONDA CTX700 & CTX700DCT

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

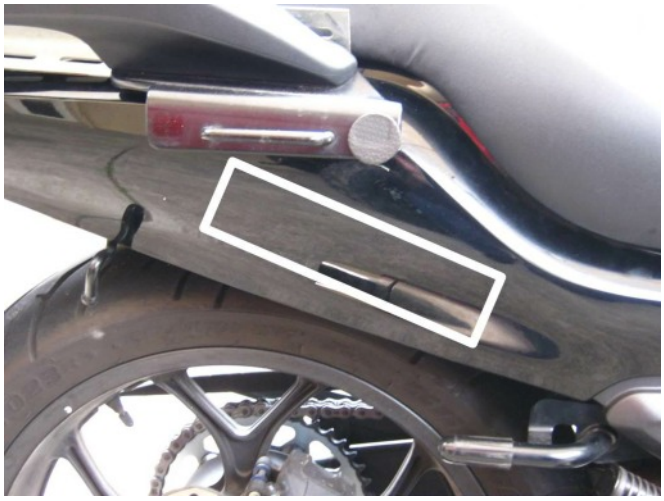
Installed weight of the cruise control is approximately 2.5kg.

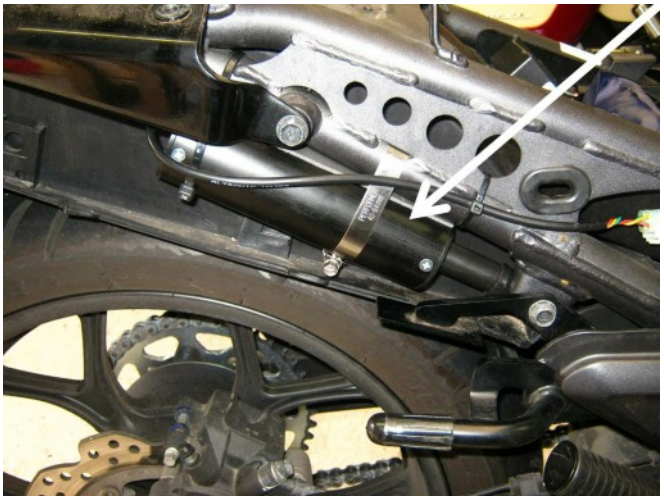
Current draw while the cruise is switched on, but not engaged, is approximately 0.10 amp (1 watts). Current draw while the cruise is engaged is nominally 0.50~0.80 amp (6~10 Watts).

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).

The **Computer (1)** may be mounted under the rider's seat (photo below left) or on top of the battery (photo below right). There is self-adhesive Velcro provided in the kit to mount the computer in either location.

The **Electric Throttle Servo (2)** is usually mounted on the right side of the bike, on the frame, under the side cover panel below the passenger seat. A cable runs from it to the CIU (next photos).

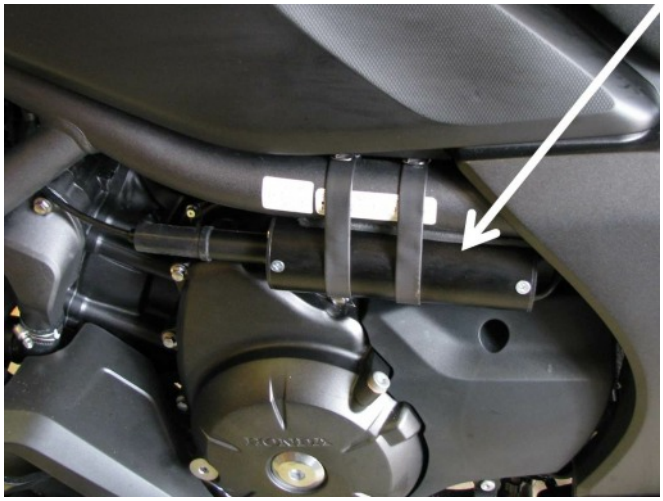




O.W.L. Vehicle Electronic Systems Ltd O.W.L. House PO Box 1330 TAMWORTH B77 1AW UK
tel +44(0)845 643 0212 www.motorcyclecruise.co.uk

2003/346

Alternatively, the throttle servo may also be mounted on the left side of the bike, next to the motor if desired. The servo is visible in this location, but is not prominent. Installing it here is slightly easier, as you don't have to remove the plastic panel below the seat on the right side, however removing this panel is a couple of minutes work.



<u>The servo mounting location must be specified when ordering the cruise control kit. The default location is on the right side, under the side cover. If you want to order a servo on the left, add a comment in the 'notes' section when ordering the cruise control kit.</u>

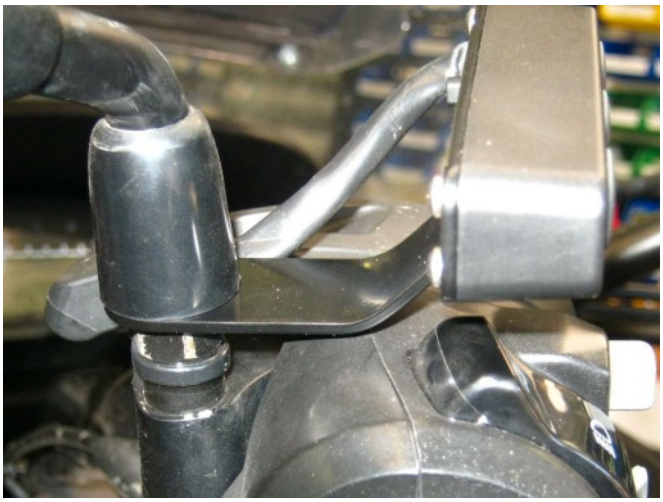
<u>NOTE: - There is no ordering selection option for this on the web site, this must be ordered using the 'notes' section of the order.</u>

The **CIU (3)** is mounted next to the cylinder head on the right side of the bike. A new **cable (4)** connects it to the throttle bodies.

An **optional CIU cover plate (5)** is available with the MCS logo on it for the CIU if desired (photo below right). This is available in a satin black powder coated finish (photo below left) or a brushed or linished stainless steel finish (photo below right).

O.W.L. Vehicle Electronic Systems Ltd O.W.L. House PO Box 1330 TAMWORTH B77 1AW UK
tel +44(0)845 643 0212 www.motorcyclecruise.co.uk

The **Control Switch (7)** mounts above the handlebar on the left side on the mirror stalk on both the manual shift and the DCT shift versions. The control switch does not interfere with operation of the park brake.

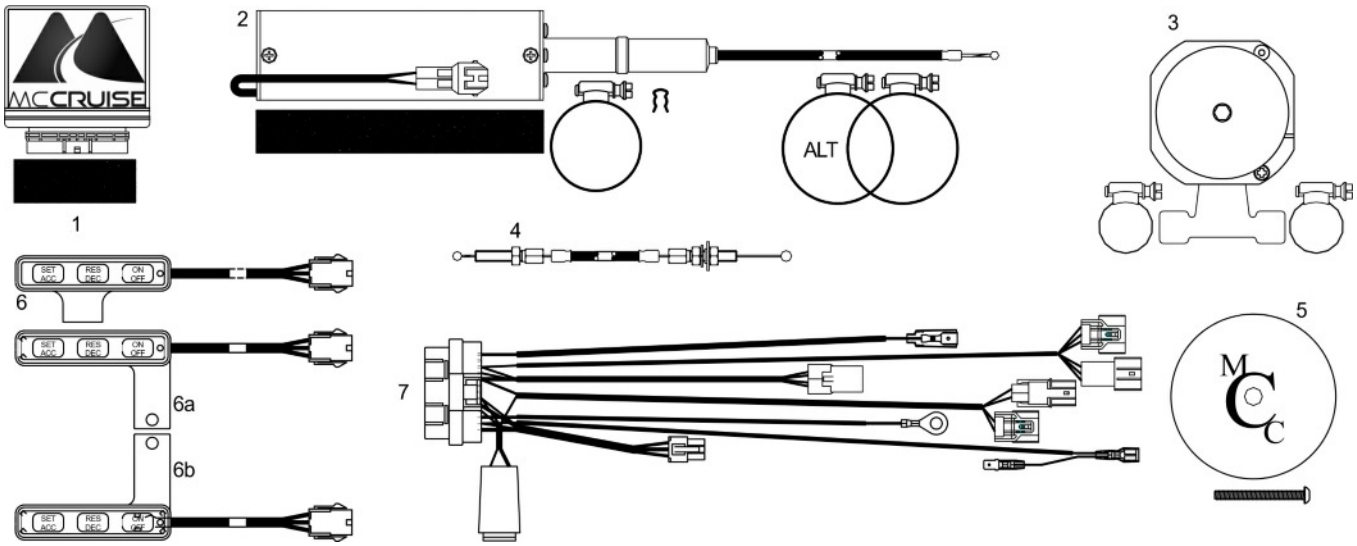


Optional alternate **Switch Mounting Brackets (6a & 6b)** are available for fitment on manual shift bikes only; these use the clutch lever mounting clamp to mount the control switch. These brackets allow the control switch to be mounted either above (6a) or below (6b) the handlebar on the clutch lever clamp bolts. We do not have photographs of these mounted on this bike at this time.

The photos below show these mounting brackets on a VFR1200X Honda, which uses a similar clutch lever mount and handlebar switch assembly.

The **Wiring Harness (7)** 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 circuit by unplugging the rear brake light switch. Matching connectors on the cruise control loom are plugged in to the switch and the bike's harness. Road speed sensing is detected from the bike's speedometer sender. Tach signal is sourced from one of the ignition coils. Tach signal is used to disengage the cruise if the clutch is operated (manual shift) or if the rpm change significantly due to gear changes (DCT shift). The bike's clutch switch is also connected to the cruise control to disengage the cruise control (manual shift only). The cruise control is grounded on the negative battery terminal.

O.W.L. Vehicle Electronic Systems Ltd O.W.L. House PO Box 1330 TAMWORTH B77 1AW UK
tel +44(0)845 643 0212 www.motorcyclecruise.co.uk



O.W.L. Vehicle Electronic Systems Ltd O.W.L. House PO Box 1330 TAMWORTH B77 1AW UK
tel +44(0)845 643 0212 www.motorcyclecruise.co.uk