



Motorcycle Electronic Cruise Control

Pre-order checklist for BMW R1200GS.

MOTORCYCLE CRUISE CONTROLS

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To supply an MC Cruise for these bikes we must have the following information with each order:

1. What ABS version fitted to the bike?

This determines which mounting bracket is supplied for the Cable Interface Unit.

To our knowledge, the first ABS system fitted to the R1200GS was Integral ABS (the full name is “BMW Motorrad Integral ABS (part-integral), can be switched off”). This was an optional extra; however we have never seen a bike without ABS. This is a ‘servo assisted’ braking system. If you turn the ignition switch on (don’t start the engine) and apply front or rear brake, you will hear the electric servo assistance motor whirring. All other ABS variants do NOT make the whirring noise.

In September 2006 ABS II (without "servo" assistance) was introduced and is still current to our knowledge.

We need to know if your bike has ABS and if so which ABS version is fitted to the bike, Integral ABS (servo assisted) or ABS II (not servo assisted).

2. What size and type of the Torx screws mount the right side front brake disk to the wheel?

We are aware of two different type heads in disc brake mounting bolts on the R1200GS.

All models that we are aware of from the start of production to 2007 use this ‘button’ (rounded) head bolt. The recess in the head of this bolt is a T-40 ‘Torx’ fitting and the magnets we have to fit this are 4.75mm diameter x 4.75mm long.



Current bikes from 2008 have flat head bolts. The recess in the head of this bolt is a T-30 ‘Torx’ fitting and the magnets we have to fit this are 4mm diameter x 5mm long.

We need to know what magnets you need.

4.75mm OD x 4.75 long magnets for the earlier T40 round head bolt.

Or

4mm OD x 5mm mm long magnets for the later T30 flat head bolt.



3. Is the bike fitted with an evaporative emissions carbon canister beside the rear suspension spring/shock unit?

The carbon canister determines where the throttle servo will be mounted, and this effects the length of cable and wires to the servo.

We need to know if a carbon canister is fitted next to the rear spring/shock unit.



4. What cruise control switch bracket do you want?

Is the bike equipped with an Auxiliary light switch on the left switch block? Do you want better access to the ABS and/or INFO buttons? Three switch brackets are available.

The standard (medium height) bracket (MCS830W)



The low bracket (part number MCS830L).



The tallest bracket (part number MCS830U).



We need to know if the standard (MCS830L) medium (MCS830W) or tallest (MCS830U) switch bracket is required. We recommend the standard (MCS830L) bracket for the best combination of access to the bike's buttons and light switch and reach to the cruise control switch.

5. Roll Crimpers?

Finally, we recommend use of proper un-insulated terminal 'roll crimpers' for the installation of the 'pigtail' spliced connections to the wiring harness – power and tach signal and brake lights on bikes equipped with a factory LED tail/brake light.

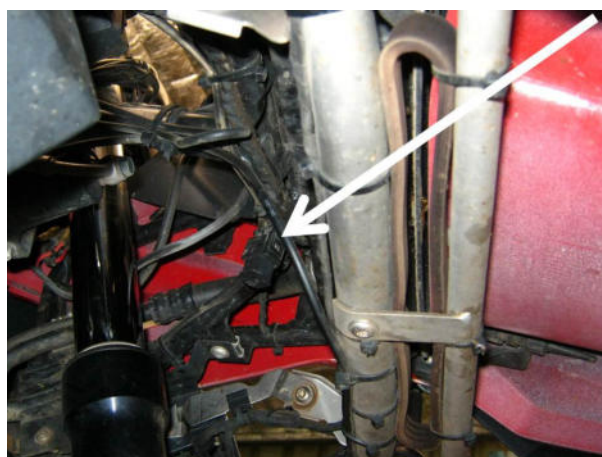
Please indicate whether you want to buy Utilux #61 roll crimpers with your kit?



6. Speed signal source.

Some models of R1200GS (possibly all models) have an accessory power socket at the front of the bike, below the headlight and behind the oil cooler. This socket has three pins, but may have either two or three wires to it, red/white (12V switched power), brown (ground) are always connected, but some bikes also have a blue/green (speed signal) wire.

At this time we do not know what model years or variants have this socket, at the moment we only know that most late models (2008 and later) with LED brake lights seem to have this socket. Possibly only the Adventure variants have the additional speed signal wire.



If your bike has this socket with blue/green wire (arrowed), the cruise control may be able to be connected to this wire for speed signal.

Note that the connection is NOT done at this plug; it is made at the bike's body control ECU. It does not make any difference to the cruise control installation if there is an accessory already connected to this plug.

To date, all later (2010 and later) models that have been fitted with this wire, had speed signal on this wire. One earlier model (2008) did NOT have speed signal on the wire, even though it had this wire fitted.

If your does NOT have the blue/green wire, then the wheel speed sensor must be supplied in the kit and fitted to the front wheel of the bike.

On 2010 and later models, if this wire is fitted, it should have speed signal and the wheel mounted speed sensor should not be required.

On earlier (pre 2010) models, even if the bike has this wire, there may not be speed signal present. If there is no speed signal on this wire, then the wheel speed sensor must be supplied in the kit and fitted to the front wheel of the bike.

