The fitting in any steps

1. Dismantle the speedometer housing & accelerator

2. Fitting the black box

3. Fitting the new wiper/cruise arm

If you have any problems please ask your dealer or call MDC Germany:
+49 211 56 94 96 31
info@misterdotcom.info

Please read these Instructions carefully before performing installation to be sure you understand this procedure !!!

Needed Tools

13mm socket wrench. Small1/4 drive with a 3 to 4 extension
T-10 Torx bit screwdriver
Several nylon straps or similar ties to secure the cables.

Disconnect the battery

It is important that you disconnect the battery. For this installing you will need to have the passenger carpet pulled back and the footrest removed anyway and that stage you have easy access to the battery.

Dismantle the cover from the Wiper arm
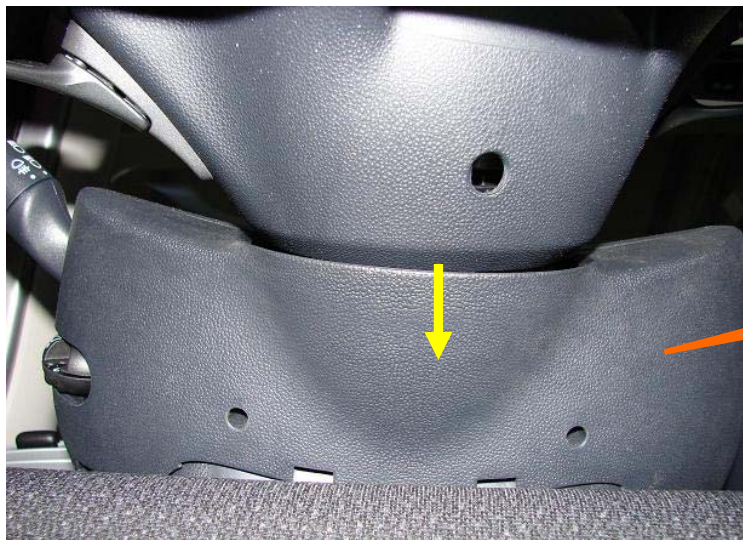
Remove this Cover (pull) on the bottom of the steering column cover
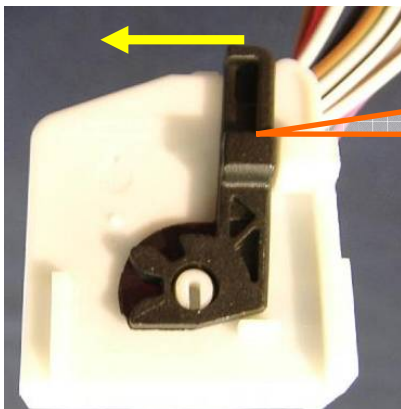
Remove this 2 Torx screws under the steering wheel
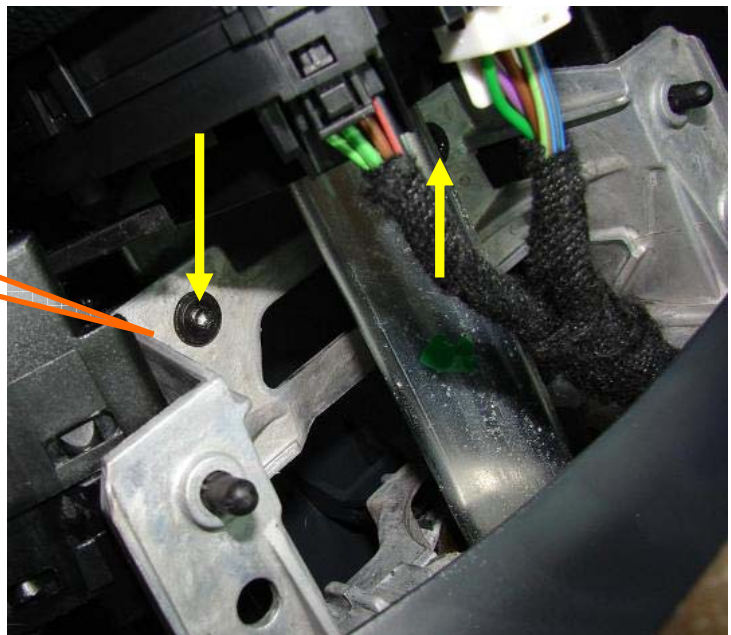
Remove this Cover (pull) on the upper side of the steering column cover

### Dismantle the speedometer housing

Pull the speedometer and now you can see the white connector on the back of the housing

Move this little lever of the connector and pull the connector out of the the housing.

**Change the white connector housing from the Cruise Control with the original
white connector housing from the speedometer**

Remove the black inline connector from the white housing.
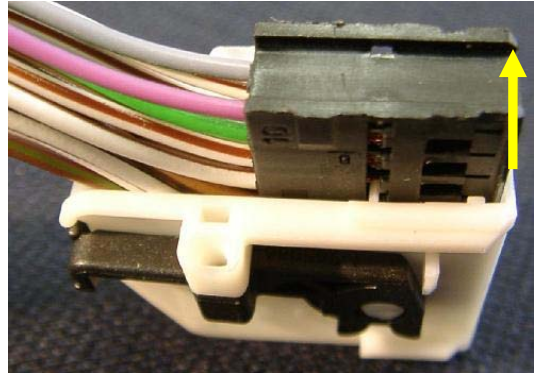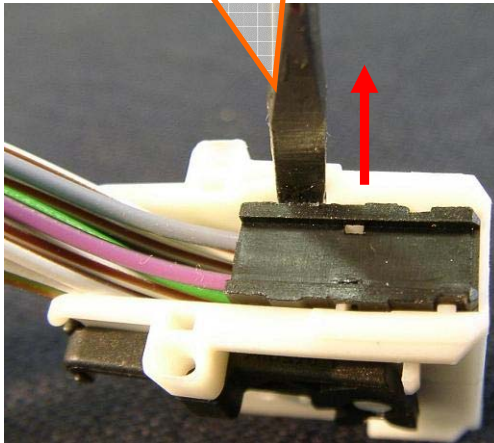
Put the original speedo connector from the car into this male housing of the Cruise Control
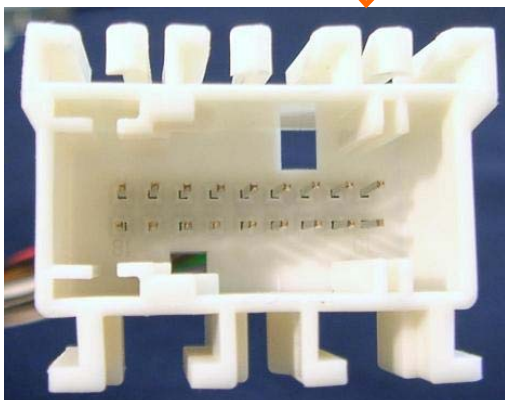
Put the female connector from the Cruise Control into the speedo housing
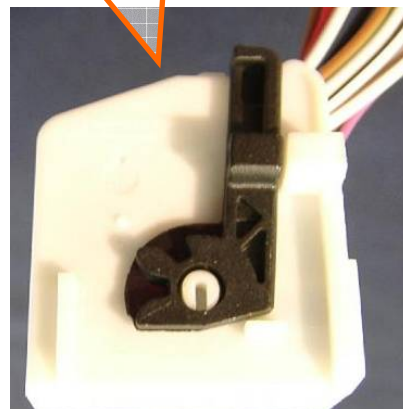
Removing the Accelerator Pedal

Loosen these 2 nuts attaching the accelerator pedal using a 13mm socket or wrench and lift out the pedal
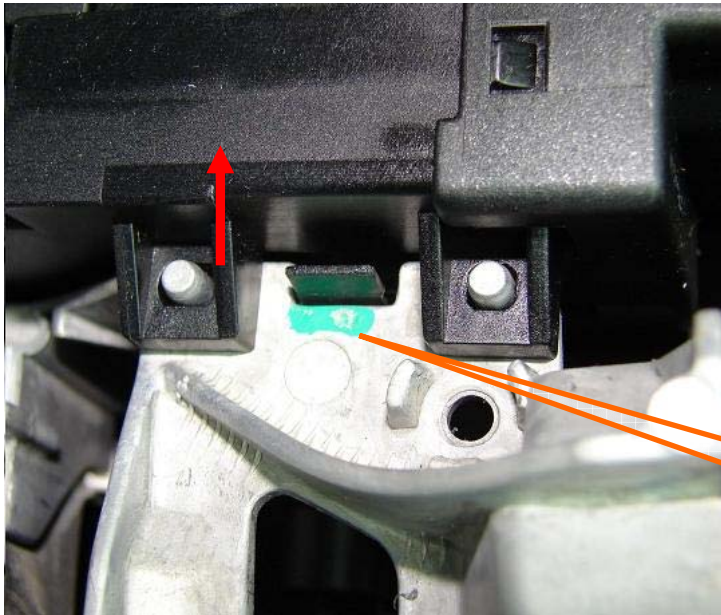
To undo the cable/plug there's a tab you have to press and then it pulls out.

Removing the OEM wiper arm and installing the new wiper arm style Cruise Control

> To undo the OEM wiper arm there's a tab you have to press and then it pulls out.

> To undo the cable/plug there's a tab you have to press and then it pulls out.
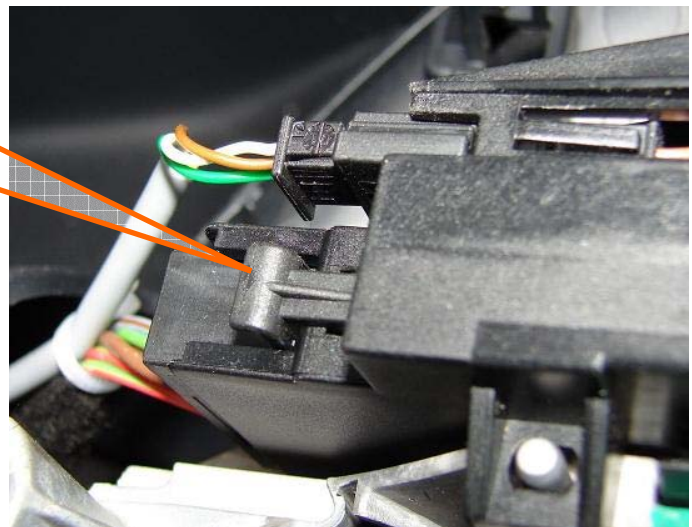
> Install the grey cable with a small black connector on one end and a small red connector on the other.
> Plug the black connector in the appropriate place on your new wiper/cruise control arm and feed the red connector down through to the driver foot well like you did with the other grey cable(s) previously.
> It might be a good idea to tag this one so you can tell them apart when it comes time to making the next set of connectors.
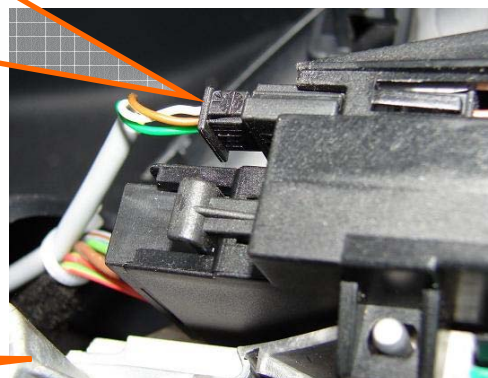
> Use a small nylon strap to secure the cable in place.

Fitting the black box
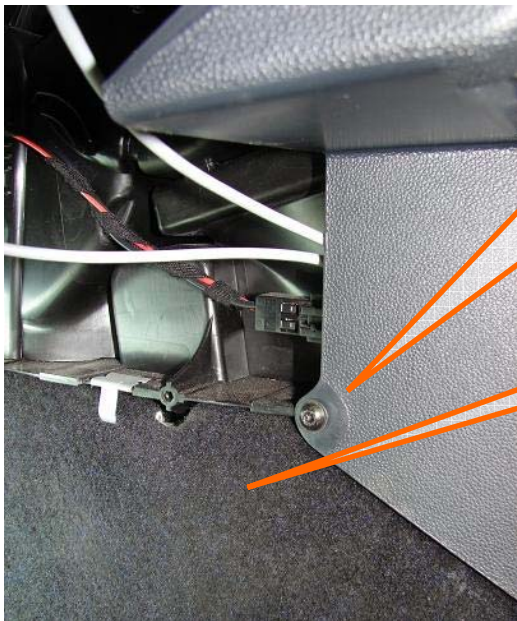
Remove this screw

Pull the carpet

Pull out the accelerator pedal connector
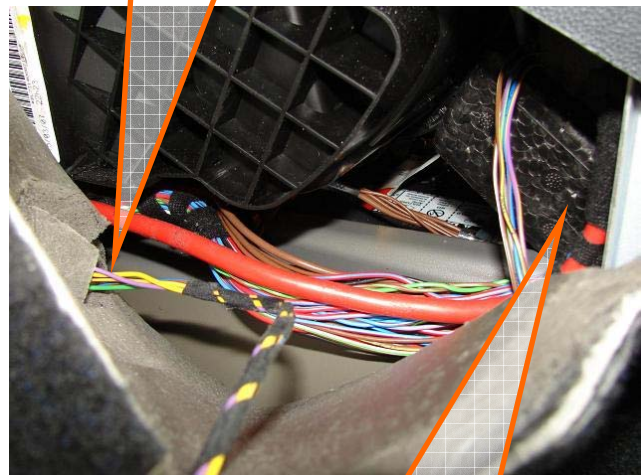
The Cruise Control module will be installed in the space that exists behind the carpeting between the driver and passenger foot wells.

The grey cables of the speedometer & wiper arm are led here behind the grey plastic cover

Connecting the black box:

Wire harness for the accelerator

From original harness

!! Attention !! switch must to be EIN (on)

Plug to Cruise Control and wiper arm

Plug to speedometer

Connector for a speed signal to use a navigation system

Kill switch to disable Cruise Control

Plug for optional illuminating external (Led) or to connect our Trip computer (then you don't need the LED)
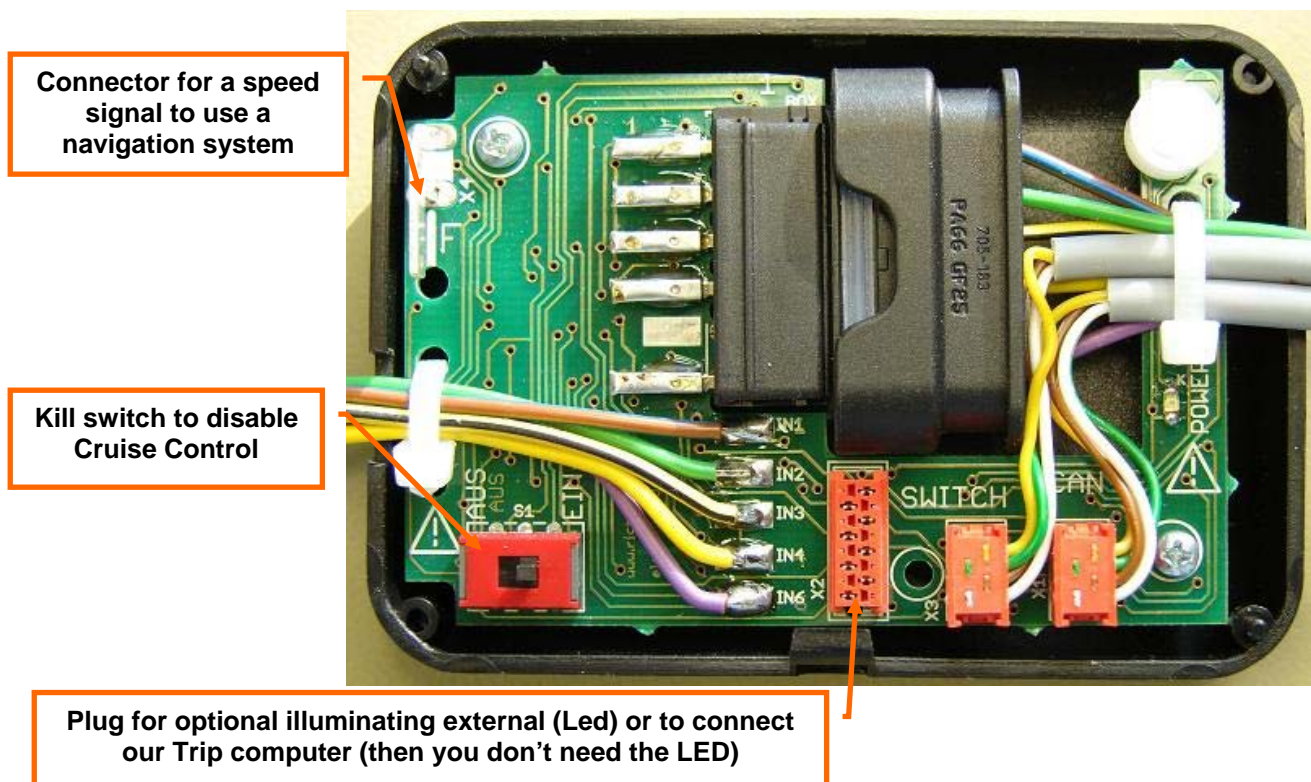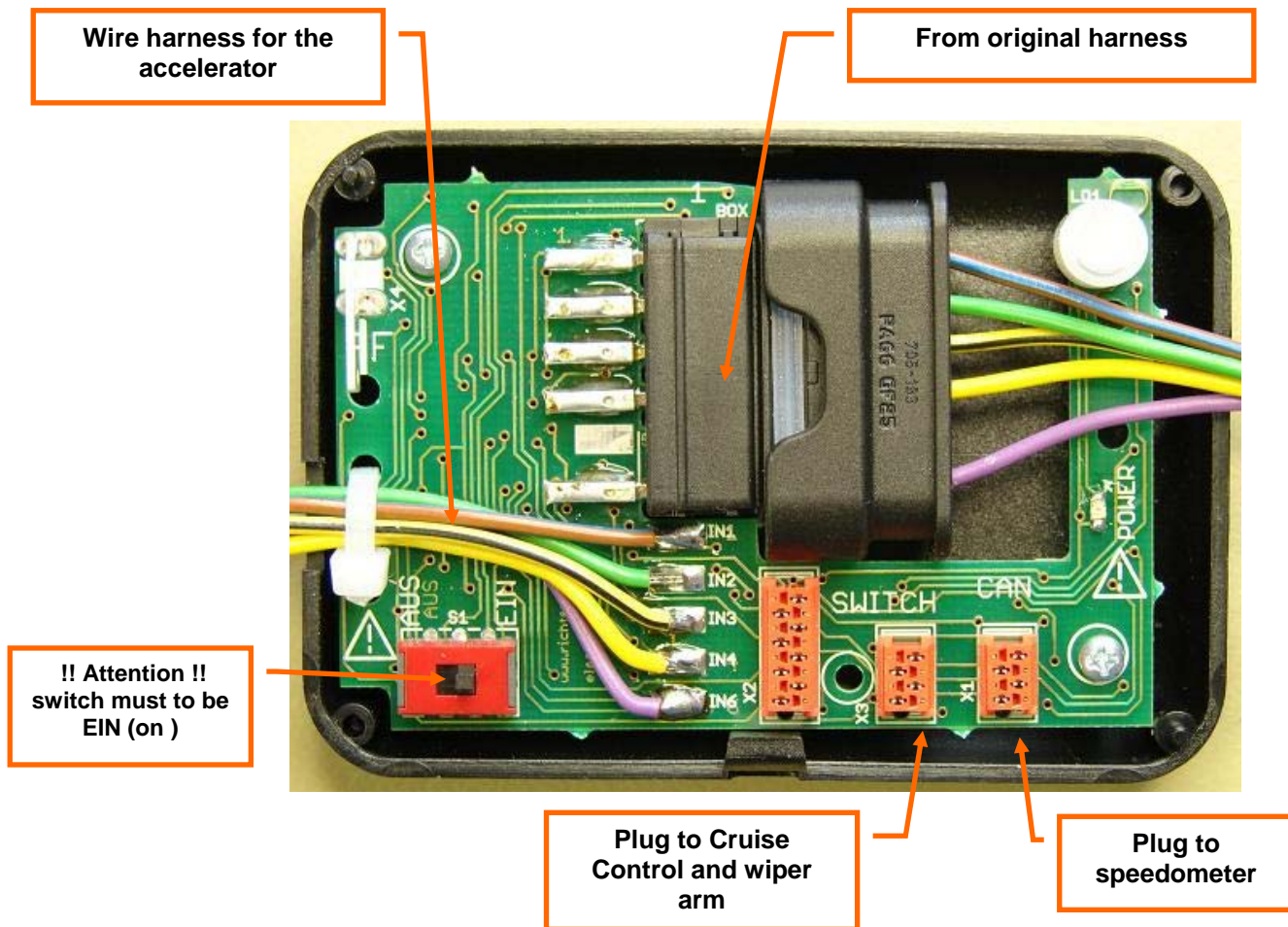
Internal 3-color LED to see the operating status
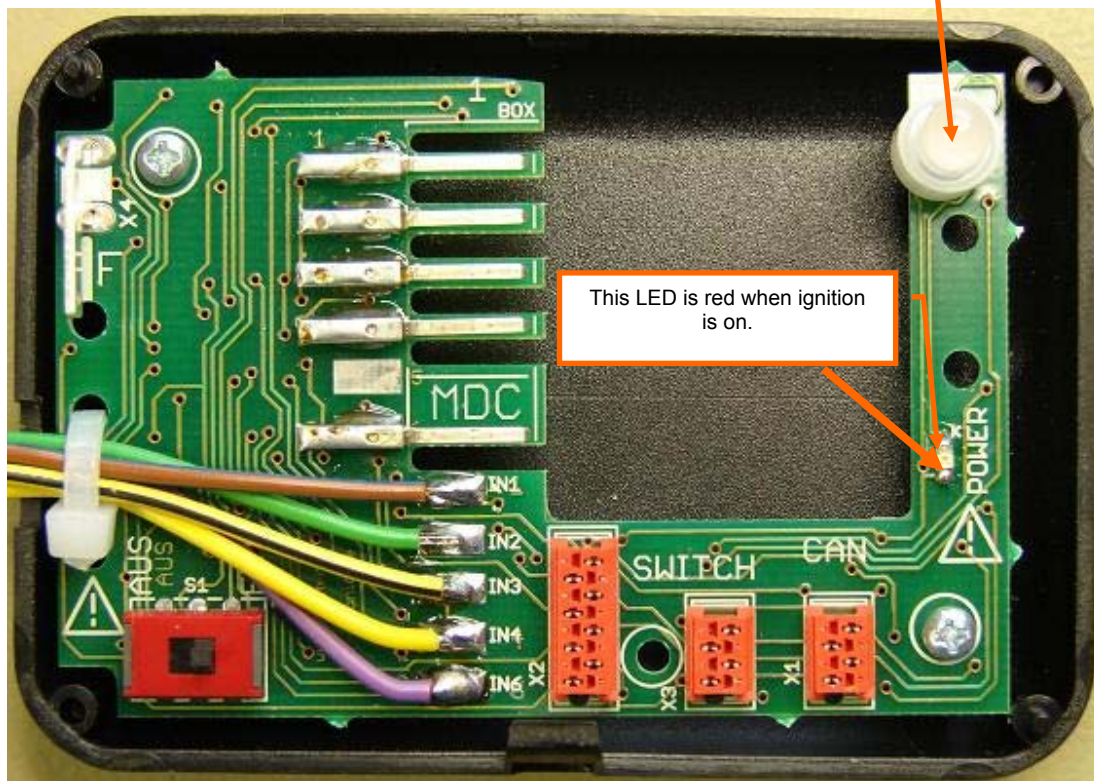
This LED is red when ignition is on.

By way of example to place for the optional LED

Attention:
The Cruise Control is NO autopilot.
The Cruise Control regulates only the speed.
The Cruise Control does NOT have a brake function.
The driver must pay attention further to traffic
and switch if necessary the Cruise Control off!

Functions of the Cruise control:

• Cruise control   > Speed hold
• Speed max   > No excess of the stored speed
• Recall   > Return of the speed stored last
• Change the stored speed with cont + - set keys
• Indicate to the function with inserted LED optional with external LED
• Safety functions for switching cruise control off (e.g. pushing the foot brake,
  pushing the parking brake, open a door while driving, insert the gear selector lever
  into position 0-R-N, reacting of the ESP, and speed below 16 mph)
• Exit for speed control e.g. for navigation equipment
• Simplest operation
• Use of an original smart wiper/ cruise control stalk
• Individually adjustable
• Adjustable accelerator pedal response. (SpeedBooster)
  Quite faster throttle response in the low to
  mid rpm range.

1. To use the new wiper/ cruise control arm

Handling:
The handling is very easy. Push the button on the end of the wiper arm to set the **CC** on/off
Push **+cont** or **-set** key to change the speed if **CC** is set on.
Push **+cont** key while **CC off** to recall the last set speed.
Push **-set** button while **CC off** to set the speed max.

If Cruise Control is ON press + to accelerate

If Cruise Control OFF recall the last speed of Cruise

Cruise Control ON/OFF

SpeedMax OFF

If Cruise Control is ON press - to decelerate

If Cruise Control is OFF set SpeedMax
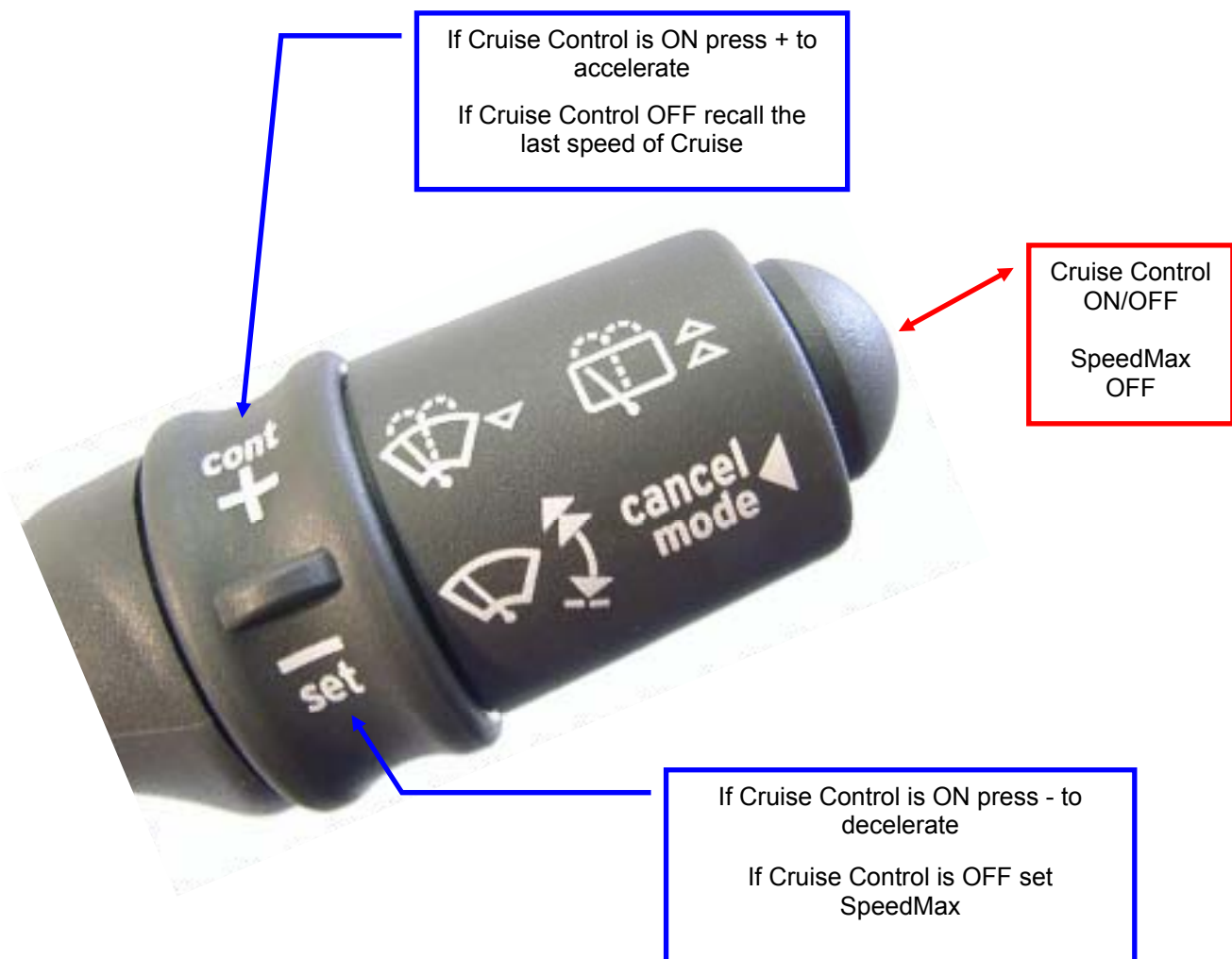
2. Settings:

The internal 3- colour LED or the optional external LED display the settings.

Cruise Control:
ON*:* Press the button
OFF: Press the button or press the break pedal
Speed change: turn the ring **–Set** or **+Cont** while **CC** works

With pushing the foot brake the **CC** switches automatically off.

You can select following main settings:

1. Disable after accelerating.
   You have to release the accelerator pedal after 2,5s. **Red LED**
   is permanent illuminated during this time.
2. Or return to the last set speed after accelerating and decelerating.

The **Cruise Control** works from 16 mph till 100 mph.

Green LED
LED illuminated   **CC** enabled (setting 1)
LED flashes   **CC** enabled during accelerating (setting 2)

<u>Disable:</u> Push any key/ button, brake or if chosen setting 1 push accelerator.

SpeedMax (Set):
ON: Turn **set- key** down.
OFF: Push wiper arm button.
Change speed: Turn **cont+ / set- key** up or down.

The SpeedMax works from 16 mph till 100 mph.
Red LED
LED illuminated   **SpeedMax** on
LED flashes   **SpeedMax enabled,** to prevent an exceeding.

<u>Disable:</u> Push any key/ button or if in the Setup selected, push brake.

1. Settings cruise control key

Features: disable after accelerating.
Set: hold key 10s during the car stands and ignition is switched on.
Selection: Push the **CC** key.

Green LED: **CC** is still enabled after accelerating and returns to the last set speed again.
                        E. g. after overhauling
                        > factory setting <
Red LED: disable after accelerating.
Exit: switch off ignition.

2. Settings key – set

Features: disable TempoMax after braking.
Set: hold key 10s during the car stands and ignition is switched on.
Selection: Push –set key.
Green LED: TempoMax is still enabled during braking.
                        > factory setting <
Red LED: TempoMax is disabled after breaking.
Exit: switch off ignition.

3. Settings key + cont

Features: Set regulation characteristics
Set: hold key 10s during the car stands and ignition is switched on.
Selection: Push +cont key.
Green LED
1 x flashing: regulation diesel
2 x flashing: regulation unleaded   **> factory setting <**
Exit: switch off ignition.

SpeedBooster:

SpeedBooster makes your car's throttle respond faster to your foot in the low to mid rpm range. It's a device that improves acceleration by continuously measuring converting the digital signal provided by the electronic throttle potentiometer and providing the ECM with a new altered signal.
You can select 4 different steps or set off **(factory setting).**

4. Settings cruise control key
Features: Selection off the throttle response
Set: If car is standing hold key 20s.

PLEASE NOTE: First the 1st menu is activated. Push key until the yellow LED flashes!!!
Selection: Push **CC** key.

Yellow LED (green and red LED)	Throttle response
1x flashing	Off **> factory setting <**
2x flashing	Light throttle response
3x flashing	Middle throttle response
4x flashing	Strong throttle response
5x flashing	Very strong throttle response

Exit: switch off ignition.

If car is standing and ignition is on, hold the CC key 20s

DISCRIPTON OF THE LED INDICATION

LED indication

- ● OFF
- ☼ flashes normal
- ☼☼ flashes fast

Function	LED green	LED red	LED yellow
Immobilizer on (only on special wish)		● only by standing	
Cruise Control on	● only by driving		
SpeedMax on		● only by driving	
Time up to hold the speed after **CC** on			● only by driving
Brake still not pushed			☼
no CAN- BUS signal		☼☼	
Accelerating by **CC** on	☼ only by driving		
SpeedMax preventing an exceeding		☼ only by driving	
Settings (look descriptions)	● ☼	●	●
Open door/ rear flap or pulled emergency brake	☼	☼	☼

!! Please Note !!

After starting the engine the LED is flashing until first push of the foot break.
The stop light switch is scanned for function.
If the stop light switch has an error, the LED flashes continuously.
The cruise control is disabled!

If the LED flashes continuously green > red > yellow
There is a door/ rear flap not correctly closed or the emergency brake pulled
Also in this case the cruise control can not switch on.