

# Volkswagen Golf MK7

Front and rear Parktronic system assembly manual  
v. 1.0.

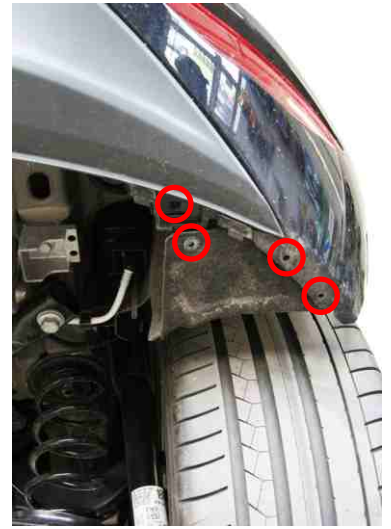
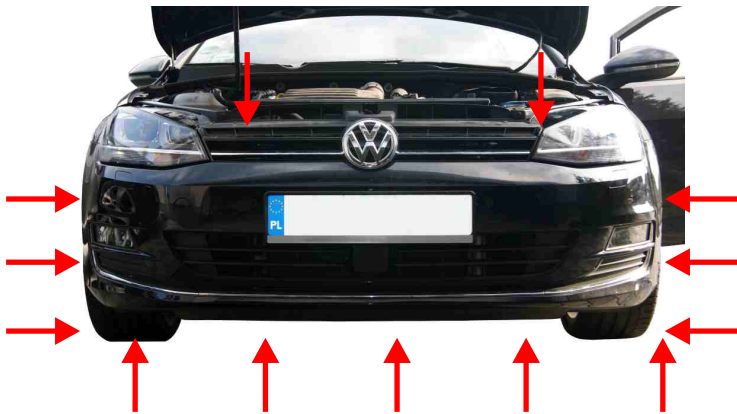


#### The bundle includes:

|       |                   |
|-------|-------------------|
| 3 pcs | Beams             |
| 1 pc  | PDC Module        |
| 8 pcs | Black mat sensors |
| 8 pcs | Holder            |
| 2 pcs | Buzzer            |
| 1 pc  | Button            |
| 1 pc  | Electric diagram  |
| 1 pc  | Coding manual     |

1

Dismantle the front and rear bumper and then remove the bolts visible on the photo.



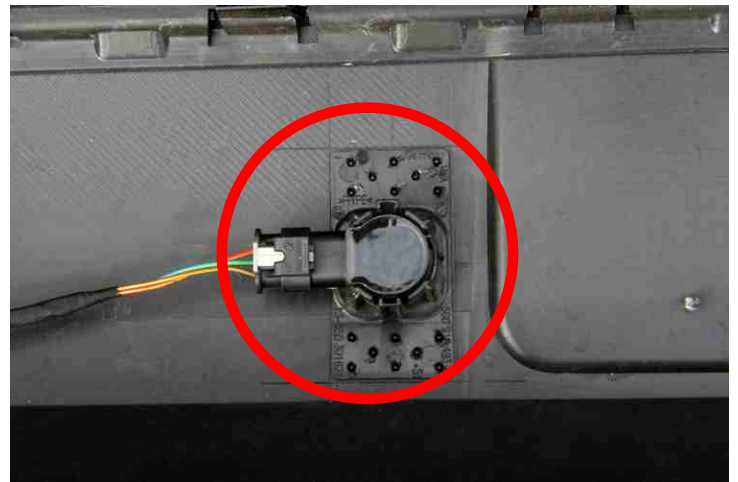
2

After dismantling the bumpers find the places where holes should be drilled and attach handles which hold the parking sensors.

A



B



3

Dismantle the handle for opening the front hood and loosen the masking skirt. Assemble PDC module in the indicated place, connect GND and prepare the installation for connecting +12V and CAN data bus.



4

Connect orange wire (can high) to pin number **18** in CAN gateway. Connect brown wire (can low) to pin number **8** in CAN gateway.



5

Pull the beam through to PDC button and assemble the button as shown on the photo. Connect wires to socket 12V:  
brown - GND  
grey - illumination

A



B





C



Attach to the beam of sensors and assemble the front bumper.

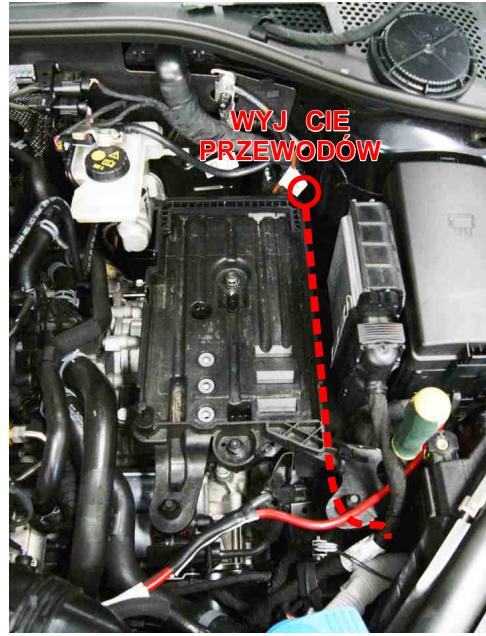
B



6

Pull the beam responsible for the front sensors through to the front.

A



7

After assembling the front bumper pull the beam through to the back by dismantling the front and rear left door sill.



8

Disassemble the rear left side. Assemble speaker and lead the beam to grommet outside the car.



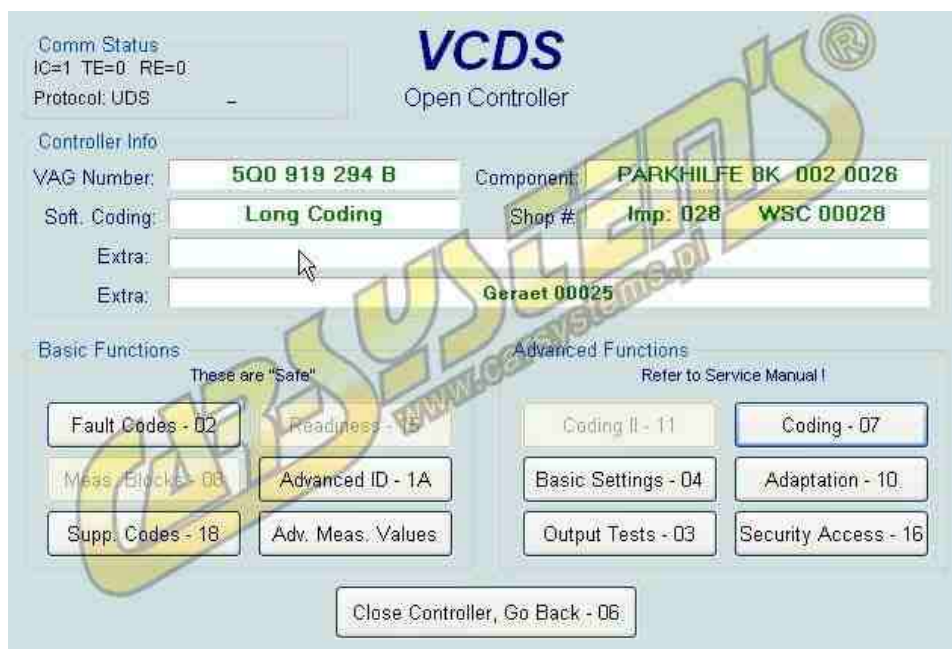
9

After pulling the beam outside attach the rear sensors and assemble the rear bumper.



10

PDC Module coding.



11

1) **0031051011**

2) Continue with [Arrow down] on keyboard / [ESC] will close LCode

3) **00 31 05 10 11**

**Byte 1** Binary: **00110001**

4) Bit 0  Mute Function active

Bit 4  Limited Operation active/enabled

Bit 5  Vehicle Path Display active/enabled

12

1) **0031051011**

2) Continue with [Arrow down] on keyboard / [ESC] will close LCode

3) **00 31 05 10 11**

**Byte 2** Binary: **00000101**

4) Bit 0  Optical Parking System (OPS) active

Bit 2  Display and Operating Protocol (BAP) active

Bit 4-5 

|    |   |
|----|---|
| 00 | Rear View/Environmental Camera NOT installed                    |
| 00 | Rear View/Environmental Camera NOT installed                    |
| 10 | Camera Type: Rear View Camera (RVC) installed                   |
| 20 | Camera Type: Environmental Camera installed                     |
| 30 | Camera Type: Rear View Camera (RVC) installed (Japanese Market) |



# 13

1) **0031051011**

2) Continue with [Arrow down] on keyboard / [ESC] will close LCode

3) **00 31 05 10 11**

**Byte 3** Binary: **00010000**

4) Bit 0-1 **00 Trailer Hitch NOT installed**

Bit 3  Adaptive Cruise Control / Distance Regulation active installed

Bit 4  Automatic Parking Aid Activation active enabled

# 14

1) **0031051011**

2) Continue with [Arrow down] on keyboard / [ESC] will close LCode

3) **00 31 05 10 11**

**Byte 3** Binary: **00010000**

4) Bit 0-1 **00 Trailer Hitch NOT installed**

**00 Trailer Hitch NOT installed**

**01 Trailer Hitch installed (manually removable)**

**02 Trailer Hitch installed (electrically operable)**

Bit 3  Adaptive Cruise Control / Distance Regulation active installed

Bit 4  Automatic Parking Aid Activation active enabled

15

1) 0031051111

2) Continue with [Arrow down] on keyboard / [ESC] will close LCode

3) 00 31 05 11 11

Byte 4 Binary: 00010001

4) Bit 0  Parking Aid active installed

Bit 4  Automatic Transmission installed

Bit 6  Start-Stop Function enabled

Bit 7  Automatic Rear Lid installed



| Vehicle      | Product                |
|--------------|------------------------|
| Golf MK7 5K0 | OPS PDC No park assist |

| Parts                        | Part Number              |
|------------------------------|--------------------------|
| MK7 OPS Kit                  | Car -systems MK7 OPS kit |
| Control Module               | 5Q0 919 294 BZ01         |
| Control Module T18 Connector | 5Q0 972 718 A            |
| Control Module T26 Connector | TBA                      |
| Push Button                  | 5G1 927 238 EWZU         |
| Push Button T10 Connector    | 6R0 973 930              |

### Connections

| OPS Module - T26 | Connection       | Notes                            |
|------------------|------------------|----------------------------------|
| 2                | 1                | Front Buzzer                     |
| 10               | 2                | Front Buzzer                     |
| 15               | 1                | Rear Buzzer                      |
| 9                | 2                | Rear Buzzer                      |
| 23               | CAN Low          | Orange/Black at CAN Gateway      |
| 24               | CAN High         | Orange/Black at CAN Gateway      |
| 14               | Ignition Feed    | +15                              |
| 18               | Pin 1 on sensors | Split feed to all 4 rear sensors |
| 22               | Pin 3 on sensors | Split feed to all 4 rear sensors |
| 6                | 2                | Rear Left Sensor                 |
| 20               | 2                | Rear Centre Left Sensor          |
| 7                | 2                | Rear Centre Right Sensor         |
| 21               | 2                | Rear Right Sensor                |
| 13               | Ground           | Connect to Chassis               |
| 17               | 6                | Warning light in Push button     |
| 16               | 3                | Push button                      |

| OPS Module -T18 | Connection       | Notes                           |
|-----------------|------------------|---------------------------------|
| 11              | 2                | Front Left Sensor               |
| 3               | 2                | Front Centre Left Sensor        |
| 12              | 2                | Front Centre Right Sensor       |
| 4               | 2                | Front Right Sensor              |
| 14              | Pin 1 on sensors | Split feed to all front sensors |
| 10              | Pin 3 on sensors | Split feed to all front sensors |

| Push button - T10 | Connection        | Notes                                     |
|-------------------|-------------------|---|
| 1                 | Ground            | Connect to Chassis                        |
| 2                 | Illumination      | Connect to Grey wire at Cigarette Lighter |
| 3                 | T26/16 OPS Module | Parking Aid Button                        |
| 6                 | T26/17 OPS Module | Parking Aid Warning Light                 |

#### Coding

19 CAN Gateway - Installation List - 10 Park/Steer Assist

5F Infotainment - Adaptation - set all to active

Vehicle function list BAP-parking\_assist\_0x0A

Vehicle menu operation-menu\_display\_pdc

Vehicle menu operation-menu\_display\_pdc\_over\_threshold\_high