



Part No: ZGB 000 054 212/213

VTS S5: KIT COMPOSTION

- S5 VTS ECU
- 2 x ADR 'driver' cards
- S5 VTS wiring harness
- 1 x Large Velcro pad
- 4 x Blue Duraseal connectors
- 1 x Red ring Lucar connectors
- 1 x 300mm cable tie
- 5 x 140mm cable ties
- 2 x 3 amp fuses
- 2 x Black Fly leads
- User manual

TRIM REMOVAL

- Refer to ELSA for trim removal procedure.
- Passenger side dash end panel.
- Passenger Glove Box lid.
- Passenger's kick panel trim
- Glove box light panel

GENERAL POINTS

It essential to read all of the instructions prior to commencing the installation

A. Do not insert the fuses until you are ready to commission the device.
Make sure the registration process has completed prior commencing installation.

B. Ensure all electrical connections are made using Duraseal connectors (where appropriate) Ref VAS 1978/14 heat shrink gun & VAS 1978/15 shrink adaptor.

C. Reapply protective to any section of the vehicle harness exposed during installation.
 Before making any connections refer to PCCS current flow diagrams. Wiring colours are subject to change and all connections must be verified with an approved multi meter.

D. Verify correct operating of all vehicle functionality pre and post installation.

PRE- INSTALLATION INFORMATION

Ensure the customer and vehicle registration process has been completed in the hub (VBPH) prior to installation. The technician must have access to a mobile device with the 'mobile installer app' downloaded or Web version.

The above must be completed or installation will not appear in the installer app and this will prevent commissioning.

The driver cards for this system need to be learnt by the device during the commissioning process, if commissioning is done via the mobile installer App you must wait to turn the cards on until prompted in the App. If commissioning by phone, follow the instructions given by the operator.

Trouble Shooting Guide

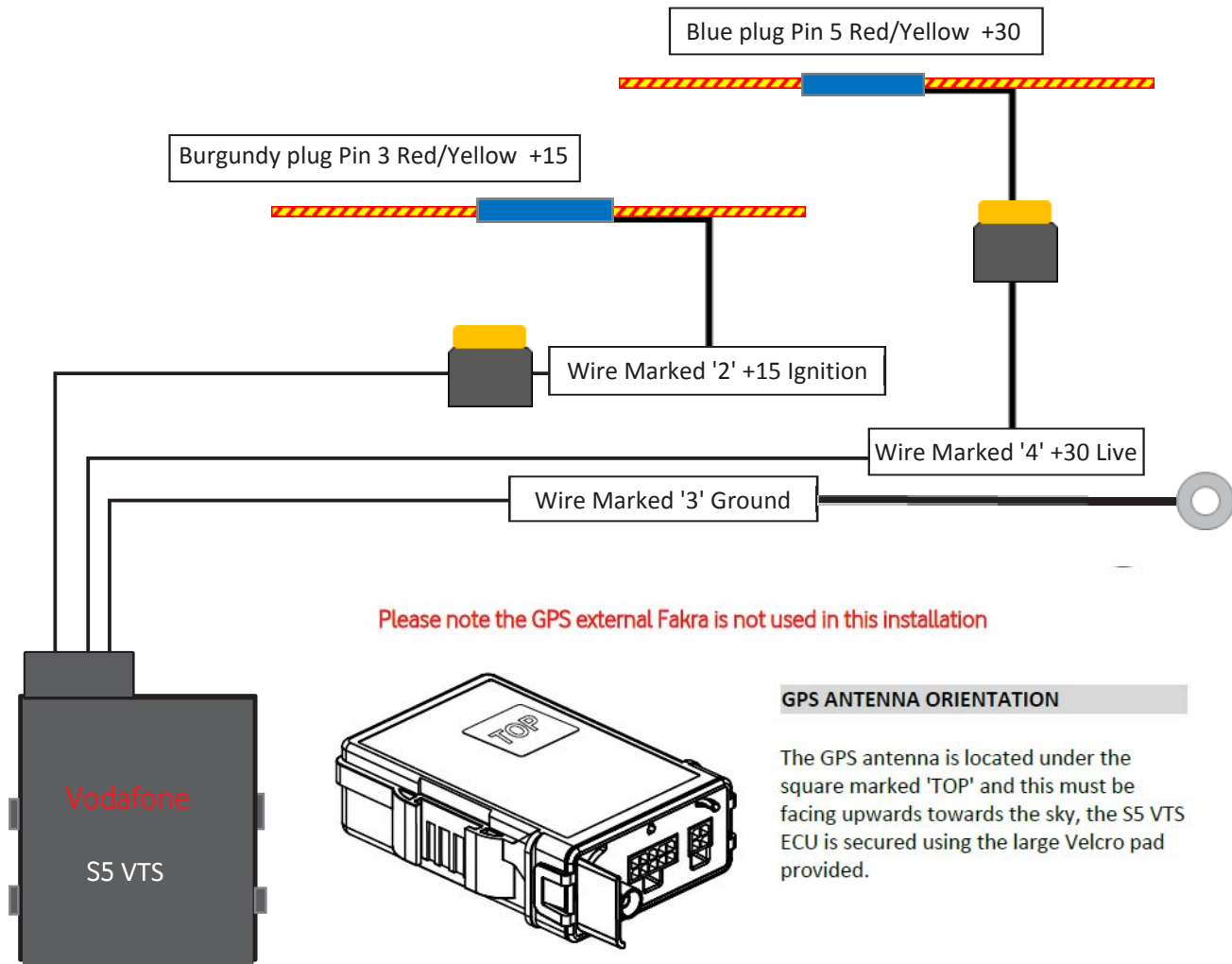
- 1) No LED on power up - Check connections for power supply, Ground and 12v +30 at fuses and VTS main connector
- 2) No or poor GPS/GSM reception - move the vehicle outside with clear sight of the sky
- 3) No +15 Ignition detected - Check fuse and VTS main connector

| LED Indication | System Status |
|-----------------------------|-------------------------------|
| ON Solid | Initialisation phase |
| Off | Initialisation Phase complete |
| 0.8s ON / 1.2s Off Flashing | Arming period |
| 0.2s ON / 0.2s Off Flashing | System Armed |
| 0.2s ON / 1.8s Off Flashing | Driver Card Learning Mode |

Vodafone Automotive S5 VTS Installation Manual

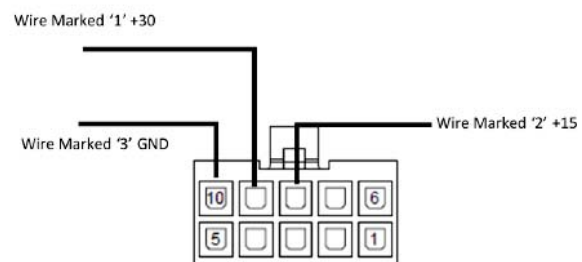


SYSTEM SCHEMATIC DIAGRAM



| CONNECTOR PIN NUMBER | WIRE FUNCTION – IDENTIFICATION NUMBER |
|----------------------|---------------------------------------|
| 8 | Ignition +15 Marked 2 |
| 9 | Permanent Live +30 Marked 1 |
| 10 | Ground Marked 3 |

PLEASE NOTE: the two wires marked 'ECI' are not used for this installation and must be cut and insulated.



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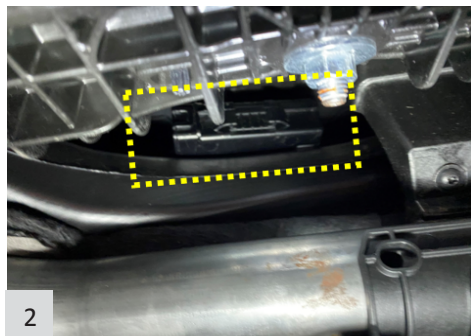
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1 RECORDING ECU INFORMATION

Prior to installation it is necessary to record the serial number of the S5 VTS device as this will be required when completing the customer registration.

Apply the large Velcro pad to the underneath of the unit.

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2 ECU LOCATION AND MOUNTING

Identify the location for the S5 VTS ECU, above the passenger's side glove box and on top of the air pipe.

The ECU should be bonded in place using the supplied large Velcro pad.

3



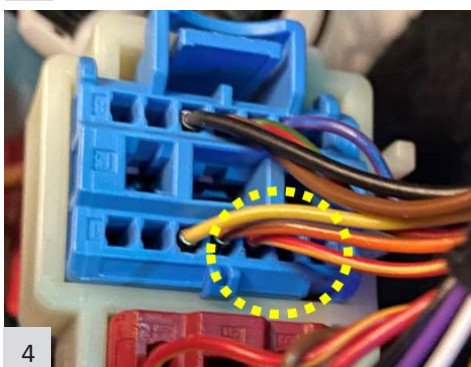
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3 GROUND CONNECTION

Route wire marked '3' to the existing vehicle harness, located in the passenger's side kick panel area. Crimp the ring terminal to wire 3 and connect to the OE M6 ground point.

Ensure that all wires are taped and routed alongside existing vehicle harness

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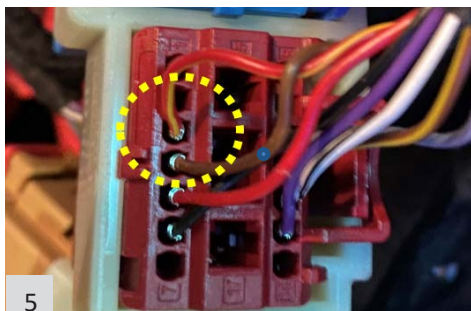


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4 +30 CONNECTION

To carry out this connection it is necessary to remove a section of the cloth insulation. Run the wire marked '1' to the passenger kick panel and using the Duraseal connector supplied splice the wire into the Red/Yellow wire located in the Blue connector Pin 5. Ensure that the 5 amp fuse and fuse holder are used as part of this connection. when ready to begin the activation and commissioning process.

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5 +15 CONNECTION

To carry out this connection it is necessary to remove a section of the cloth insulation. Run the wire marked '2' to the passenger kick panel and using the Duraseal connector supplied - splice the wire into the Red/Yellow wire located in the Burgundy connector Pin 3. Ensure that the 5 amp fuse and fuse holder are used as part of this connection. when ready to begin the activation and commissioning process.