



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.
- Driver side dash end panel.
- Drivers lower dash trim
- Driver's kick panel trim.
- Head-light control panel.
- Panel above light switch control

## 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

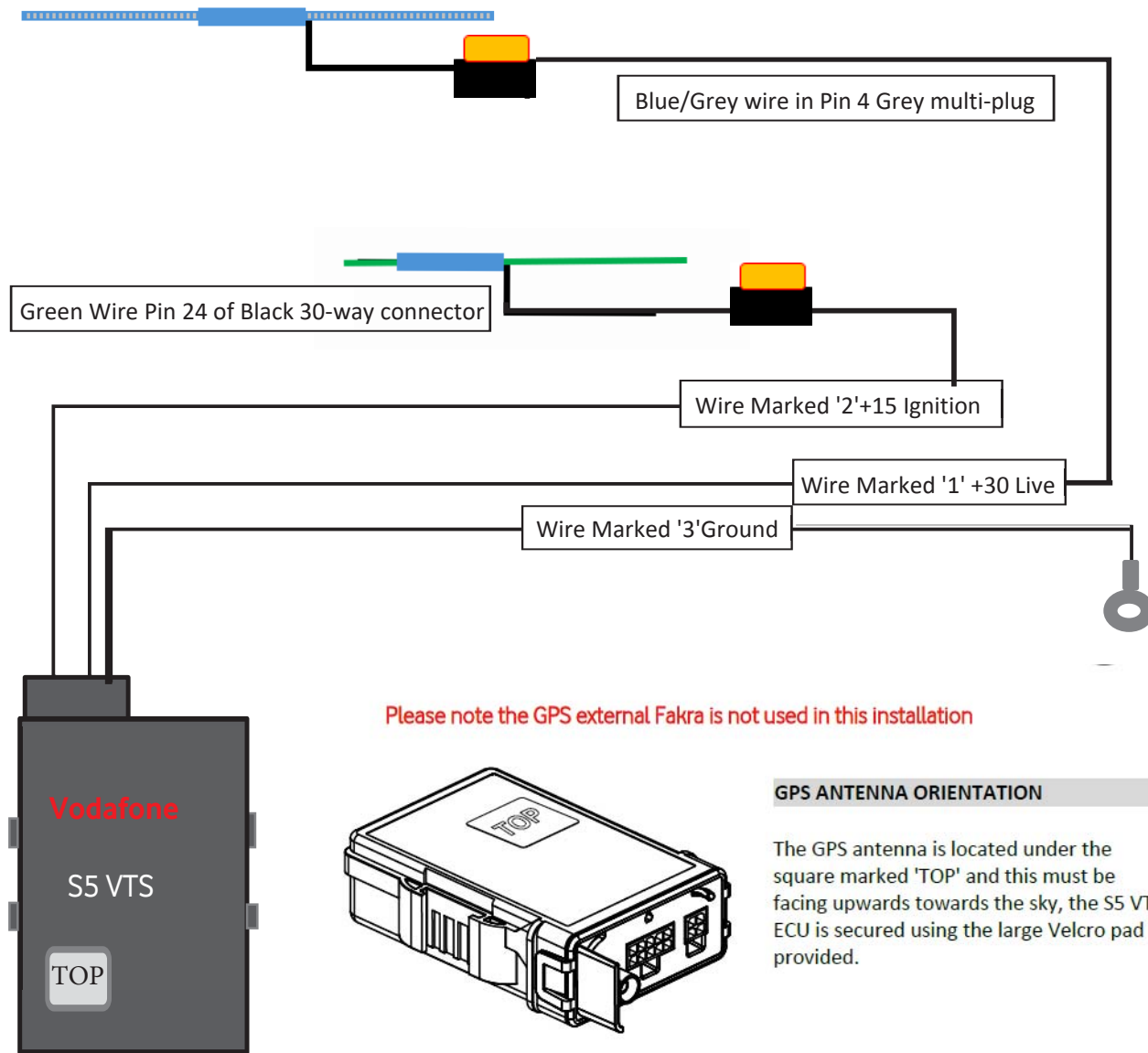
- 1) No LED on power up - Check connections for power supply, Ground and 12v +30 at fuses and VTS main connector
- 2) No or poor GPS/GSM reception - move the vehicle outside with clear sight of the sky
- 3) No +15 Ignition detected - Check fuse and VTS main connector

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

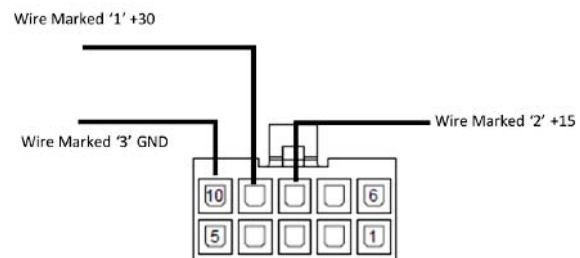


## SYSTEM SCHEMATIC DIAGRAM



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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## 1 RECORDING ECU INFORMATION

Prior to installing the system, it is necessary to record the serial number located on the top of the S5 VTS ECU as this will be required when completing the customer registration form.

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

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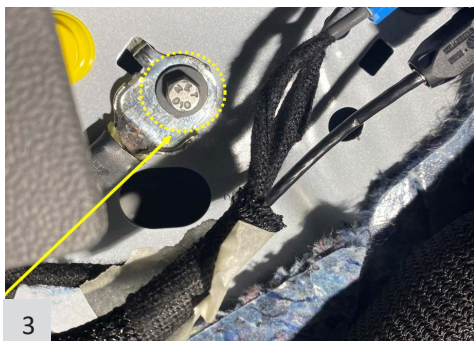


## 2 ECU LOCATION AND MOUNTING

Identify the location for the S5 VTS ECU, at the side of the driver instrument cluster, below dash top panel

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

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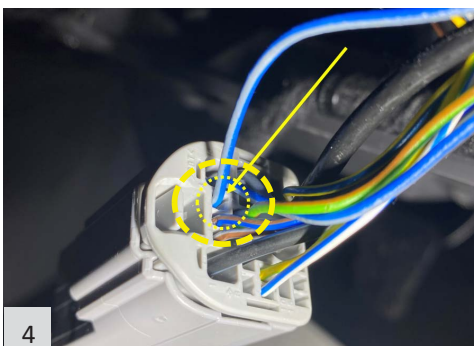


## 3 GROUND CONNECTION

Route wire marked '3' to the existing earth point, located in the driver side sill trim area. Crimp on the supplied red ring connector and secure to the M6 earth point.

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

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## 4 +30 CONNECTION

Route the wire marked '+30' to the Grey multi connector located behind the lower dash panel, identify the Blue/Grey wire located in Pin 4. Connect the wire marked '+30' to the Blue/Grey wire using the supplied Blue Duraseal connector and via the supplied fuse and fuse holder.

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## 5 +15 CONNECTION

Route the wire marked '+15' to the Black multi connector located behind the lower dash panel, identify the Green wire located in Pin 24. Connect the wire marked '+15' to the Blue/Grey wire using the supplied Blue Duraseal connector and via the supplied fuse and fuse holder.