



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.
- Passenger's kick panel trim.
- Radio module upper glovebox.

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

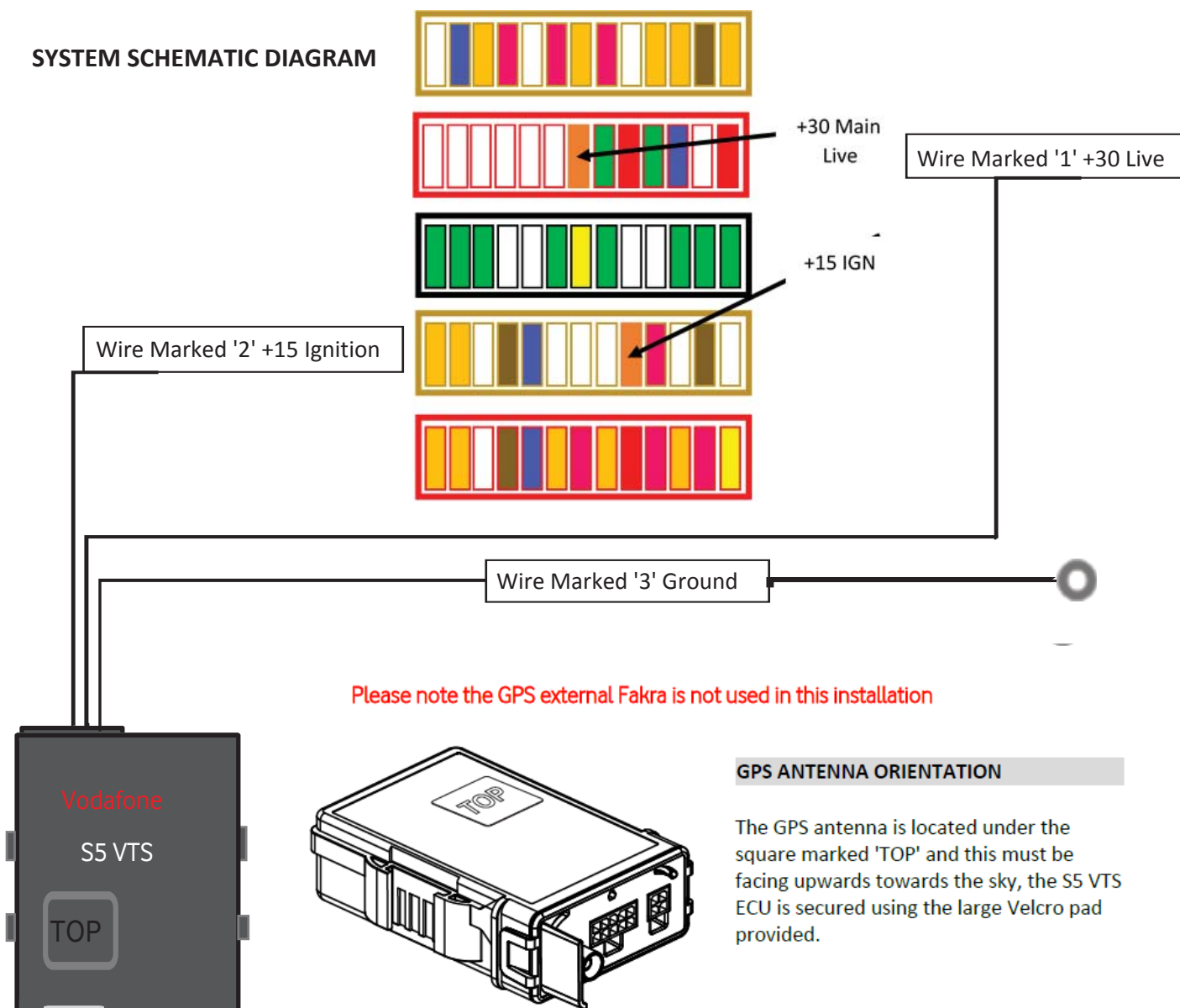
- 1) No LED on power up - Check connections for power supply, Ground and 12v +30 at fuses and VTS main connector
- 2) No or poor GPS/GSM reception - move the vehicle outside with clear sight of the sky
- 3) No +15 Ignition detected - Check fuse and VTS main connector

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

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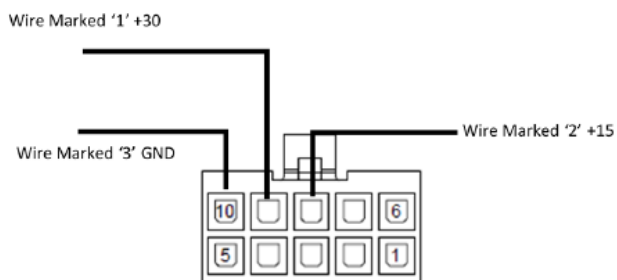


SYSTEM SCHEMATIC DIAGRAM



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.



Cable tie the wiring from the S5 VTS ECU and run along existing harness where possible.

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1 RECORDING ECU INFORMATION

Prior to installing the system it is necessary to record the serial number located on the bottom of the S5 VTS ECU.

Apply the large Velcro pad to the underneath of the unit taking care not to cover the serial number.

2



2 ECU LOCATION AND MOUNTING

Identify position for control unit located above the air vent supply pipe, below the dash top trim. The unit should be mounted using the large Velcro pad and slid into position. The wiring loom should be run to the boot fuse box and cable tied to existing harness where possible.



Device bonded above air vent pipe

3



3 GROUND CONNECTION

Route wire marked '3' to the existing earth point, located in the nearside transmission tunnel. 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

Refer to picture opposite for guidance.

4



4 +30 CONNECTION POSITION

Route the wire marked '1' to the Red fuse carrier in , the spare terminal location is used for this installation. Crimp the supplied large black fly lead onto the wire marked '1' using the supplied Duraseal connector. Ensure that the purple locking tag is released on the section of the fuse carrier and insert into vacant position in the fuse

carrier. Please refer to schematic on page 1.

5



5 +15 CONNECTION – POSITION

Route the wire marked '2' to the rear bulkhead Beige fuse carrier, the spare terminal location is used for this installation.

Crimp the supplied black fly lead onto the wire marked '2' using the supplied Duraseal connectors. Ensure that the purple locking tag is released on this section of the fuse box and insert into a vacant fuse position in the fuse carrier.