


TACHOGRAPH KIT PART NUMBER:	13810509
VEHICLE MANUFACTURER:	Mercedes Benz- VW
MODEL:	Sprinter – LT35
TRANSMISSION:	Manual
YEAR:	2003 on
ENGINE:	Diesel
VOLTAGE:	12
V10-31-07-2018	
	<i>Whilst every effort is made to ensure the accuracy of the information given herein, Continental Trading UK Ltd cannot be held responsible for any errors or omissions. Ultimately, the installer must ensure compliance with the specific vehicle repair procedures laid down by the vehicle manufacturer; particularly with regard to battery disconnection/reconnection procedures. Failure to comply with the vehicle manufacturer's instructions may result in personal injury and/or component damage/memory loss.</i>

As from 1st October 2012 According to Regulation (EU) No 1266/2009 (Annex1b) it is a legal requirement that an independent motion signal is connected to an activated DTCO, Therefore for this digital installation a DTCO Geoloc is required part number A2C59514979-R*

*Not included in kit

FITTING INSTRUCTIONS

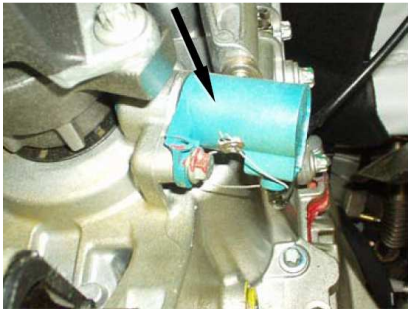
IGNITION SWITCHED OFF!

1. Remove the blanking plug from the rear of the LH side of the transmission and install the new sender unit and cable in the
2. Remove the cubby-box liner from the DTCO position and insert the metal Trim Sleeve supplied. Bend back the appropriate tabs to secure.
3. Wire up A1/A2/A5/A6 of the Plug and Harness supplied, to the adjacent cigar lighter socket and wire up A3 to a suitable ignition feed (15) in the electrical compartment below the steering column.

transmission with a new/existing bolt and route the cable through the left-hand bulkhead gaiter into the cab.

4. Insert the WHITE and YELLOW plugs in the A and B sockets at the rear of the DTCO and fit the Plug and Harness Sealing Cover Supplied. Insert one of the Red Seals supplied in the Sealing Cover embossed with your GB seal no. Slide the DTCO into position until locked.

5. Secure all cables allowing for the DTCO to be withdrawn
6. Complete the calibration and sealing of the installation

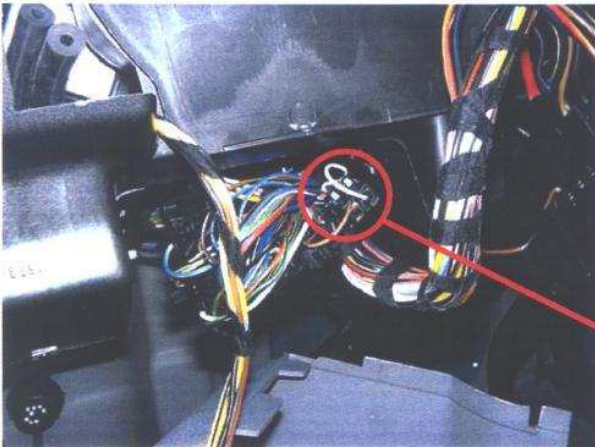


Locate blanking plug, remove and install sender unit supplied

For the VW LT remove the original sensor and replace with KITAS supplied, the instrument cluster will need to be driven from B6 of the DTCO.

See below

Triggering the Instrument Cluster



Separation Point to the Instrument Cluster

The instrument cluster is triggered via the B 6 connection of the DTCO. The connection to the instrument cluster can be made via the 2-pole separation point (cable colour white – accessible after removal of the left panel next to the steering wheel).

B 6 connection of the DTCO is to be connected to the cable (white)

Installation of Geoloc

Installation instructions:

In order to prevent GPS sensitivity issues, the module needs to be installed in a position where the module has a clear view to the sky and satellites.

1. When installing the Geoloc module in a vehicle, make sure that there are as few obstructions as possible close to the unit since it has an internal GPS antenna. Any obstruction might block the 360 view to the horizon that is required for good operation. Ideally, nothing should block the antenna beyond 5 degrees above the horizon with the best location being on the windscreen.
2. The GPS receiver antenna (Patch-Antenna) is located underneath the type data plate. Therefore the data plate (antenna side of the module) should face upwards towards the sky (see image below).



Please Note: The Geoloc is equipped with a 120 Ohm Can Resistor. The CAN wiring to CAN1 or CAN2 must take this into account!



FITTING INSTRUCTIONS – TACHOGRAPH

GeoLoc to CAN2 of DTCO® 1381 Release 2.0a Plug Connections:

Cable Colour	Description	DTCO® Pin Connection
White	Ignition	A3
Black	Ground	A5
Red	Supply (9-36V)	A1

Geoloc - CTC II Programming

The source for the 2nd motion signal can be set in the path
PROGRAMMING/INSTALLATION DATA/IMS SIGNAL/SOURCE.

The following setting is for CAN2:
- CAN2 GEOLOG (external source e.g. GPS)

Fitting Kit 13810509 consists of:-

QUANTITY	PART DESCRIPTION	PART NUMBER
1	INSTALLATION SLEEVE TRIM	1324-90010005
1	SENDER UNIT	2171-32210440
1	PLUG & HARNESS	1318-90100000
1	DTCO REAR SEALING COVER	A2C1207140028
1	DTCO REAR SEALING COVER SCREW	A2C1474650028
1	DTCO WARNING LIGHT	A2C59511755
1	3.0 DTCO OPERATING INSTRUCTIONS	A2C1387330029

Also required.

A2C1648490020 12/24v 3.0 Universal DTCO tachograph*

A2C59514979-R* Geoloc

*Not Included in kit

FIT002