

Digital Application Sheet



VEHICLE MANUFACTURER	Volkswagen
MODEL	Crafter
YEAR OF MANUFACTURE	2006 on
ENGINE TYPE	All
TRANSMISSION	AUTOMATIC
VOLTAGE	12v



STONERIDGE DIGITAL KIT FOR THIS VEHICLE: 7800-092

PARTS LIST	QUANTITY	STONERIDGE PART NO.
SE5000 TACHOGRAPH	1	
SENDER	1	
"B" TYPE MINITIMER PLUG	1	
APPLICATION SHEET	1	6800-342
SHROUD SEALING KIT	1	
DRIVER QUICKGUIDE	1	102022P/01
INSTALLATION KIT	1	
TACHO MOTION GPS	1	

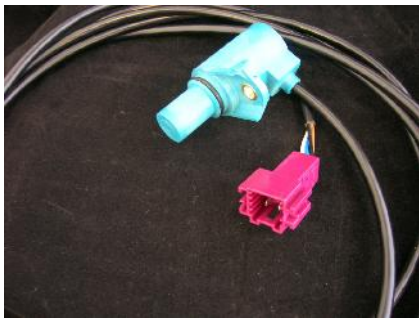
A KRM series SE5000 programmed using the SE5000 Configuration System can also be used in this vehicle.

To configure the SE5000 KRM using the SE5000CS, select the CRAFTER 2005-ON icon within the VOLKSWAGEN manufacturer type.

Ensure 2nd Source of motion is set to C3 Enabled and C3 Speed Factor is set correctly within Sensor Test within MKIII Programmer on Optimo.

An Additional M5 Bolt is required to secure the sender to the gearbox

FITTING INFORMATION



KITAS 2 SENDER



CONNECTOR



SE5000

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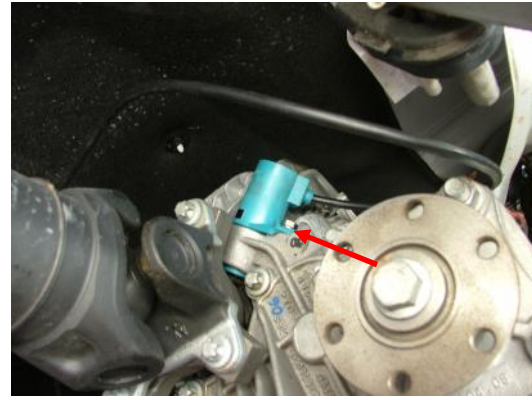


Whilst we have endeavoured to ensure the accuracy of the information supplied, Stoneridge Electronics cannot be held responsible for any errors or omissions. It is the installer's responsibility to ensure compliance with specific vehicle manufacturers repair procedures, especially with regard to the procedure for disconnection/reconnection of the battery. Failure to comply with the vehicle manufacturers instructions may result in personal injury and/or component damage/data loss.

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1. Install the KITAS 2 Sender in the hole to the side of the tone wheel at the propshaft.



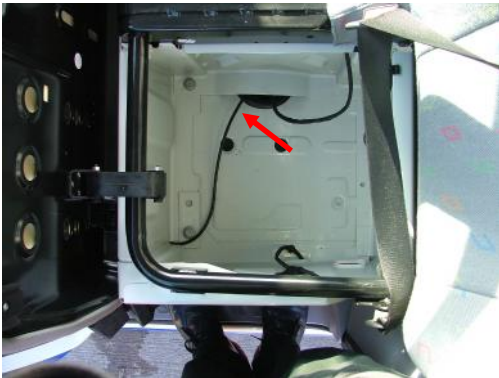
2. Secure the Sender using a M5 Bolt with a 2mm hole and seal the bolt to the gear box housing.



3. Cut off the original purple connector & feed wire along the chassis towards the fuel tank .



4. Lift the passengers seats up and forward to gain access to the area below.



5. Feed the wire up through the large shroud between the two passenger seat as shown.



6. Lift the foot well covering and feed the cable to the area under the glove box.

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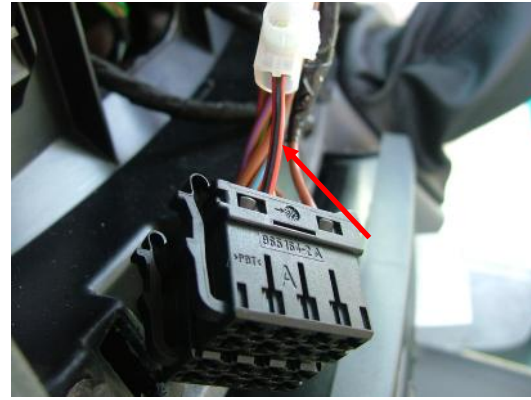
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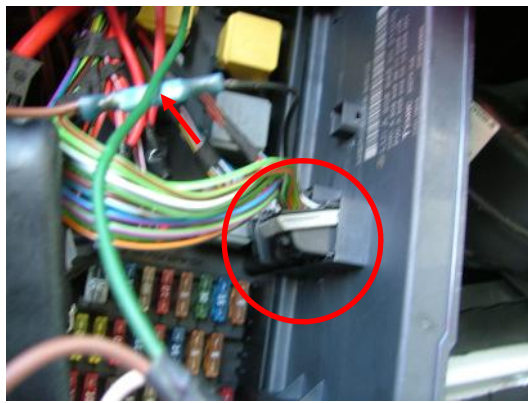
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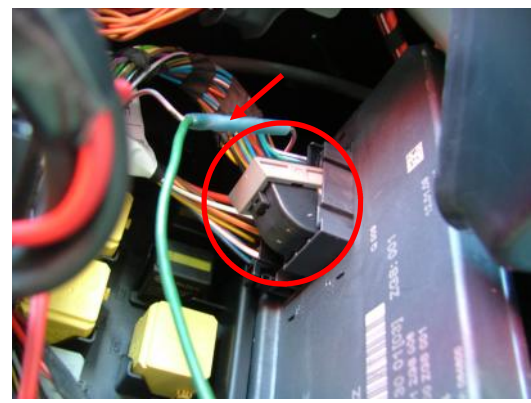
7. Remove the money tray and feed the cable behind the glove box and out through the money tray slot.



8. Connect the Red / Black wire (Connector A, Pin 4 on the radio connector) to connector A1 of the tachograph through a 1 amp fuse.



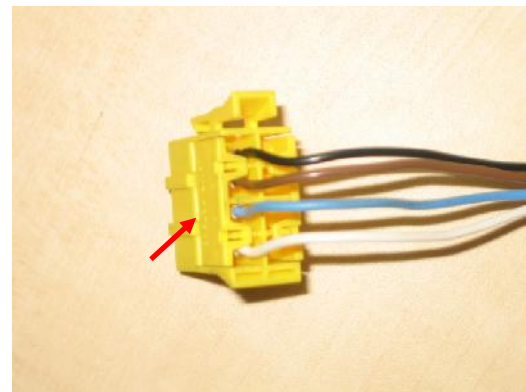
9. Connect the Black wire (Connector X1, Pin 5 on the Mercedes ECU under glove box) to connector A3 of the tachograph.



10. Connect the Grey / Red wire (Connector X9, Pin 9 on the Mercedes ECU under glove box) to connector A2 of the tachograph.

11. Use an existing bolt on the chassis to connect both A5 & A6 of the tachograph connector to ground through an eye crimp terminal.

12. Make up the following connections to the Yellow "B" minitimer plug.
B1—Black Kitas 2 Sender Wire
B2—Brown Kitas 2 Sender Wire
B3—Blue Kitas 2 Sender Wire
B4—White Kitas 2 Sender Wire



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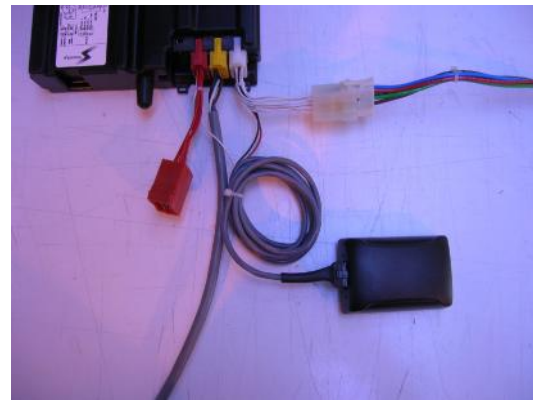


- 13.** Feed the tacho Power Cable through the money tray slot and fit the tacho cage to support the tacho.

- 14.** The tachograph can now be connected and installed.
- 15.** The Tachograph is now ready for calibration.



- 16.** The 2nd Source of motion is obtained by using the GPS Module and cable harness as shown.



- 17.** The cable harness is connected directly in-line with the tachograph power cable when connecting to the tachograph as shown.

- 18.** The GPS Module should be placed in a suitable area within the cab, preferably in an area next to the windscreen.

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SE5000 Programming Sheet



PROGRAMMING PARAMETERS FOR FITTING THIS VEHICLE WITH AN SE5000 KRM SERIES TACHOGRAPH.

Note. Read the parameters of the tachograph to be replaced, and note all connections to the tachograph, paying particular attention to Vpulse, dual axle configuration, D8 serial data, Revs input etc.

The below vehicle settings are the default vehicle settings which should be applied. However, individual vehicle specifications may vary.

Default setting for D6 outputs that can be switched between ISO & Open collector (o/c) is ISO.

The vehicle must be calibrated in an approved manner after fitting.

The road speed limiter must be calibrated after a replacement tachograph is fitted.

The illumination of the KRM series tachograph can be changed between White & Green, please select the colour best suited to the vehicle illumination.

If you are in doubt regarding the replacement of any tachograph with a KRM series product please call:-

TACHOGRAPH	CANBUS	CAN	CAN	ILLUMINATION	REVS INPUT	SPEED LIMITER	D6
5002KRM	ON	1	NO TERM	CAN	CAN	90km/H	ISO

READ ALL DATA LOG

PARAMETER	VALUE / SETTING	PARAMETER	VALUE / SETTING
W-FACTOR		Def. KEY ON/OFF	
K-FACTOR		RPM FACTOR	
L-FACTOR		D4 PIN FUNCTION	
TYRE SIZE		D5 PIN FUNCTION	
VIN		D6 PIN FUNCTION	
VRN		D7 PIN FUNCTION	
VEH. REG. NATION		SERIAL DATA OUT (D8)	
PREF. LANGUAGE		C1 PIN FUNCTION	
CURRENT TIME		FILTER PIN B3	
CURRENT DATE		CAN TRIP RESET	
TIME OFFSET		CAN WAKE UP	
NEXT CALIB.DATE		RD CAN CONFIG	
INSTALL DATE		ADD. EVENT REC.	
ACTIVATION TIME	READ ONLY. -DATE FORMAT / UNACTIVATED	ENG. SPEED REC.	
SERVICE DELAY		VRES D	
ODOMETER		VEH. SPEED REC.	
O/P SHAFT FACTOR		VRVSD	
SPEEDO OP FACTOR		PRE-OVERSPEED	
RESET HEARTBEAT		PRE-NEXT CALIBRATION	
LOW SPEED LIMIT		WARRANTY TIME	
BACKLIGHT SELECT		LOW POWER BAND	
ILLUMINATION LEVEL		ECONOMY POWER BAND	
ILLUMINATION OFF		POOR ECONOMY	

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