

VEHICLE MANUFACTURER HUMMER

MODEL H2

YEAR OF MANUFACTURE 2003-2009

ENGINE TYPE V8

TRANSMISSION ALL

VOLTAGE 12V



## STONERIDGE DIGITAL KIT FOR THIS VEHICLE: 7800-120

PARTS LIST	QUANTITY	STONERIDGE PART NO.
SE5000 TACHOGRAPH	1	5002KRM
SENDER	1	9954-256
RIGHT ANGLE SENDER CABLE	1	7754-404
SHROUD SEALING KIT	1	7800-006
INSTALLATION KIT	1	7450-330
DRIVER QUICKGUIDE	1	102022P/01
HINO 300 TACHOMOTION KIT	1	7800-225
APPLICATION SHEET	1	6800-396
ADAPTOR KIT	1	7963-059
SIGNAL CONDITIONER	1	7800-045

**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 H2 2003-2009 icon within the HUMMER manufacturer type.

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

### Workshop Technical Support

Tel +44 (0) 1382 866 400 (choose opt.2. opt.1 )

Fax +44 (0) 1382 866 401

Email [workshop.support@stoneridge.com](mailto:workshop.support@stoneridge.com)

### Sales Office

Tel +44 (0) 1382 866 400 (choose opt.1)

Fax +44 (0) 1382 866 401

Email [sales@stoneridge.com](mailto:sales@stoneridge.com)

## ADDITIONAL VEHICLE MANUFACTURERS PARTS REQUIRED

NONE

## FITTING INFORMATION



KITAS 2 SENDER



STONERIDGE ADAPTOR



1. Locate the original Speed Sensor.



2. Disconnect the cable by pulling back on The locking tab and remove the original Sensor by unscrewing.

### Workshop Technical Support

Tel +44 (0) 1382 866 400 (choose opt.2. opt.1 )

Fax +44 (0) 1382 866 401

Email [workshop.support@stoneridge.com](mailto:workshop.support@stoneridge.com)

### Sales Office

Tel +44 (0) 1382 866 400 (choose opt.1)

Fax +44 (0) 1382 866 401

Email [sales@stoneridge.com](mailto:sales@stoneridge.com)



3. Drill a hole to be able to seal the sender to the gearbox using the security wire.



4. Fit the Sender Adaptor into the original speed sensor hole on the vehicle.



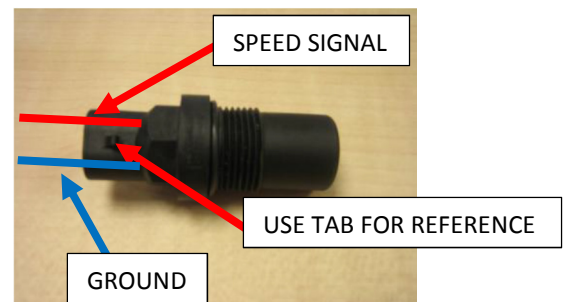
5. Screw the sender onto the threaded Adaptor.



6. Connect the sender cable.



7. Connect the original sensor to the plug ensuring that it is secured out of the way to stop water getting into the connections.



8. Connect the end of wire from the Signal Conditioner from D6 of the tachometer to the speed signal wire at the original sensor.

## Workshop Technical Support

Tel +44 (0) 1382 866 400 (choose opt.2. opt.1 )

Fax +44 (0) 1382 866 401

Email [workshop.support@stoneridge.com](mailto:workshop.support@stoneridge.com)

## Sales Office

Tel +44 (0) 1382 866 400 (choose opt.1)

Fax +44 (0) 1382 866 401

Email [sales@stoneridge.com](mailto:sales@stoneridge.com)



9. Run cables along the gearbox following the other cables ensuring it is cable tied regularly and away from the exhaust.



10. The tachograph can be fitted into the Centre console.

11. Remove the panel shown as it is not Required in the UK. It can be relocated in the glove box if required by the customer.

12. The tachograph Power, Sender and Signal conditioner wires can now be fed Through the slot.

13. Secure the radio cage using the tabs on the cage.



## Workshop Technical Support

Tel +44 (0) 1382 866 400 (choose opt.2. opt.1 )

Fax +44 (0) 1382 866 401

Email [workshop.support@stoneridge.com](mailto:workshop.support@stoneridge.com)

## Sales Office

Tel +44 (0) 1382 866 400 (choose opt.1)

Fax +44 (0) 1382 866 401

Email [sales@stoneridge.com](mailto:sales@stoneridge.com)



14. The tachograph can now be connected and installed.

15. The D6 pin function on the tachograph must be set to "Speedometer" using the MKII Programmer and the "Speedo output factor" should be around 62000.

16. The second D6 pin function on the Tachograph must be set to "ISO" using the MKII Programmer by scrolling further through the menu.

17. The Tachograph is now ready for calibration.  
The K factor should be around 15500



18. The 2<sup>nd</sup> source of motion is obtained by using the GPS module and cable harness as shown.



20. The cable harness is connected directly inline with the tachograph power cable.

19. The GPS module should be placed in a suitable area within the cab. Preferably under the windscreen.

## Workshop Technical Support

Tel +44 (0) 1382 866 400 (choose opt.2. opt.1 )

Fax +44 (0) 1382 866 401

Email [workshop.support@stoneridge.com](mailto:workshop.support@stoneridge.com)

## Sales Office

Tel +44 (0) 1382 866 400 (choose opt.1)

Fax +44 (0) 1382 866 401

Email [sales@stoneridge.com](mailto:sales@stoneridge.com)

## 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: Workshop Support on 0870 887 9200 option2, option1. or email [workshop.support@stoneridge.com](mailto:workshop.support@stoneridge.com)

### Workshop Technical Support

Tel +44 (0) 1382 866 400 (choose opt.2. opt.1 )

Fax +44 (0) 1382 866 401

Email [workshop.support@stoneridge.com](mailto:workshop.support@stoneridge.com)

### Sales Office

Tel +44 (0) 1382 866 400 (choose opt.1)

Fax +44 (0) 1382 866 401

Email [sales@stoneridge.com](mailto:sales@stoneridge.com)

TACHOGRAPH	CANBUS	CAN TYPE	CAN TERMINATION	ILLUMINATION	REVS INPUT	SPEED LIMITER SETTING	D6
5002KRM	OFF	N/A	N/A	A2	C3	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	
INSTALL DATE		CAN WAKE UP	
ACTIVATION TIME	READ ONLY. -DATE FORMAT / UNACTIVATED	RD CAN CONFIG	
SERVICE DELAY		ADD. EVENT REC.	
ODOMETER		ENG. SPEED REC.	
O/P SHAFT FACTOR		VRESD	
SPEEDO OP FACTOR		VEH. SPEED REC.	
RESET HEARTBEAT		VRVSD	
LOW SPEED LIMIT		PRE-OVERSPEED	
BACKLIGHT SELECT		PRE-NEXT CALIBRATION	
ILLUMINATION LEVEL		WARRANTY TIME	
ILLUMINATION OFF		LOW POWER BAND	

## Workshop Technical Support

Tel +44 (0) 1382 866 400 (choose opt.2. opt.1 )

Fax +44 (0) 1382 866 401

Email [workshop.support@stoneridge.com](mailto:workshop.support@stoneridge.com)

## Sales Office

Tel +44 (0) 1382 866 400 (choose opt.1)

Fax +44 (0) 1382 866 401

Email [sales@stoneridge.com](mailto:sales@stoneridge.com)