Speed/RPM

From HackTheIBus

Description

The speed and RPM message is sent from the instrument cluster IKE to all devices (global, GLO). It represents the current vehicle speed in kmph and the current engine RPM.

Format

Message code	0x18
Message length	7 bytes
Data size	2 bytes
Frequency	every 2 sec

DB1	DB2
Speed	RPM

Speed = actual speed in kmph / 2. To calculate speed, multiply DB1 x 2.

RPM = actual RPM / 100. To calculate RPM , multiply DB2 x 100.

Example

```
80 05 BF 18 1A 0E 22
```

"IKE --> GLO : Speed/RPM: Speed 52 km/h, 1,400 RPM"

Meaning	IKE	len	GLO	type	Speed	RPM	CS
Value	80	0F	BF	18	1A	0E	22

Speed = DB1 = 0x1A (26dec) x 2 = 52 kmph

RPM = DB2 = 0x0E (14dec) x 100 = 1,400 RPM