CUSTOMRETROFIT

Nothing is impossible for your car

SPEED LIMIT INFO INTERFACE

The system uses speed limit info data embedded in navigation map. Data in navigation map must be up to date in order for the current speed limit to be correctly displayed. If the current driving road does not have speed limit data available, for example when driving in new roads or where the routing has been changed, a last valid detected speed limit is displayed for the next 500m (547yds). Then, a "no speed limit available" symbol is displayed, see pict.1.

Pict.1 – No Speed Limit Available Euro Symbol

Interface switches automatically from km to miles speed limits based on the navigation system settings.

System can display specific speed limit symbols for Europe and North America. Selection of the displayed symbol is done by internal jumper.

Interface has 8 internal jumpers marked SW0 to SW7.

To enable Speed Limit Info function in car, CIC/NBT and KOMBI must be VO coded with option 8TH.

This interface is compatible with any F series BMW and E70/E71 BMW with professional navigation system (SA609A) either CIC or NBT.

In order for this interface to work, navigation map MUST contain speed limit data. BMW does not offer this data embedded in all regions. As of map version 2015-2 we tested successfully maps for Europe, North America, Australia, Taiwan/China.
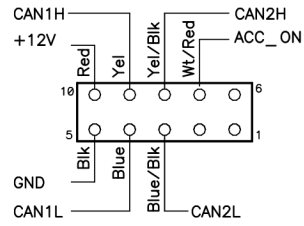
Fig 1 Pinout

Table 1. Jumpers functions

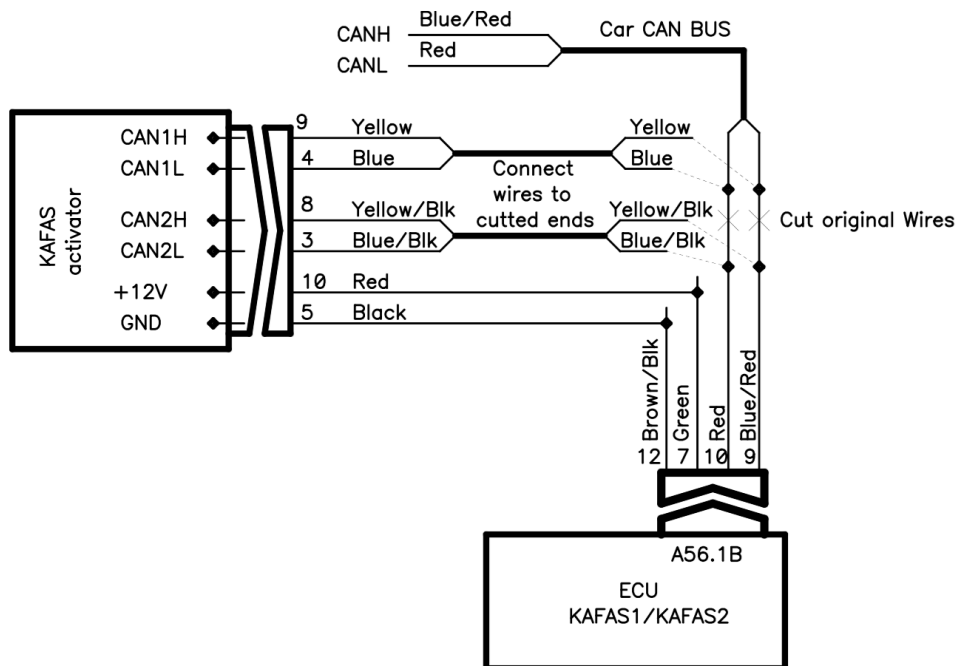|	SW0	SW1	SW2	SW3	SW4	SW5	SW6	SW7
Closed(ON)	MAP BASED SLI ON	CIC/KAFAS1 Protocol Emulation ON	NBT/KAFAS1 Protocol Conversion ON	Not Used	Not Used	KAFAS2 FSC Activation ON	Not Used	USA SLI Icon
Opened(OFF)	MAP BASED SLI OFF	CIC/KAFAS1 Protocol Emulation OFF	NBT/KAFAS1 Protocol Conversion OFF	Not Used	Not Used	KAFAS2 FSC Activation OFF	Not USED	EU SLI icon

Fig 5. EXX/FXX KAFAS1/KAFAS2 activation connections schematic

PT-CAN car BUS

Blue/Red — CANH

Red — CANL

Yellow

Blue

FXX Map based SLI adapter

CAN1H
CAN1L

CAN2H
CAN2L

+12V
GND

9 — Yellow
4 — Blue
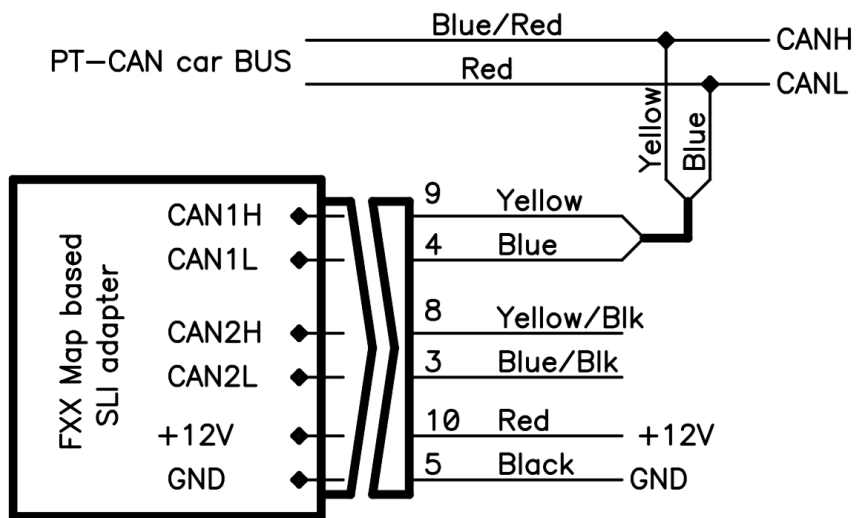
8 — Yellow/Blk
3 — Blue/Blk

10 — Red — +12V
5 — Black — GND

Fig 6. FXX map based SLI adapter connection schematic