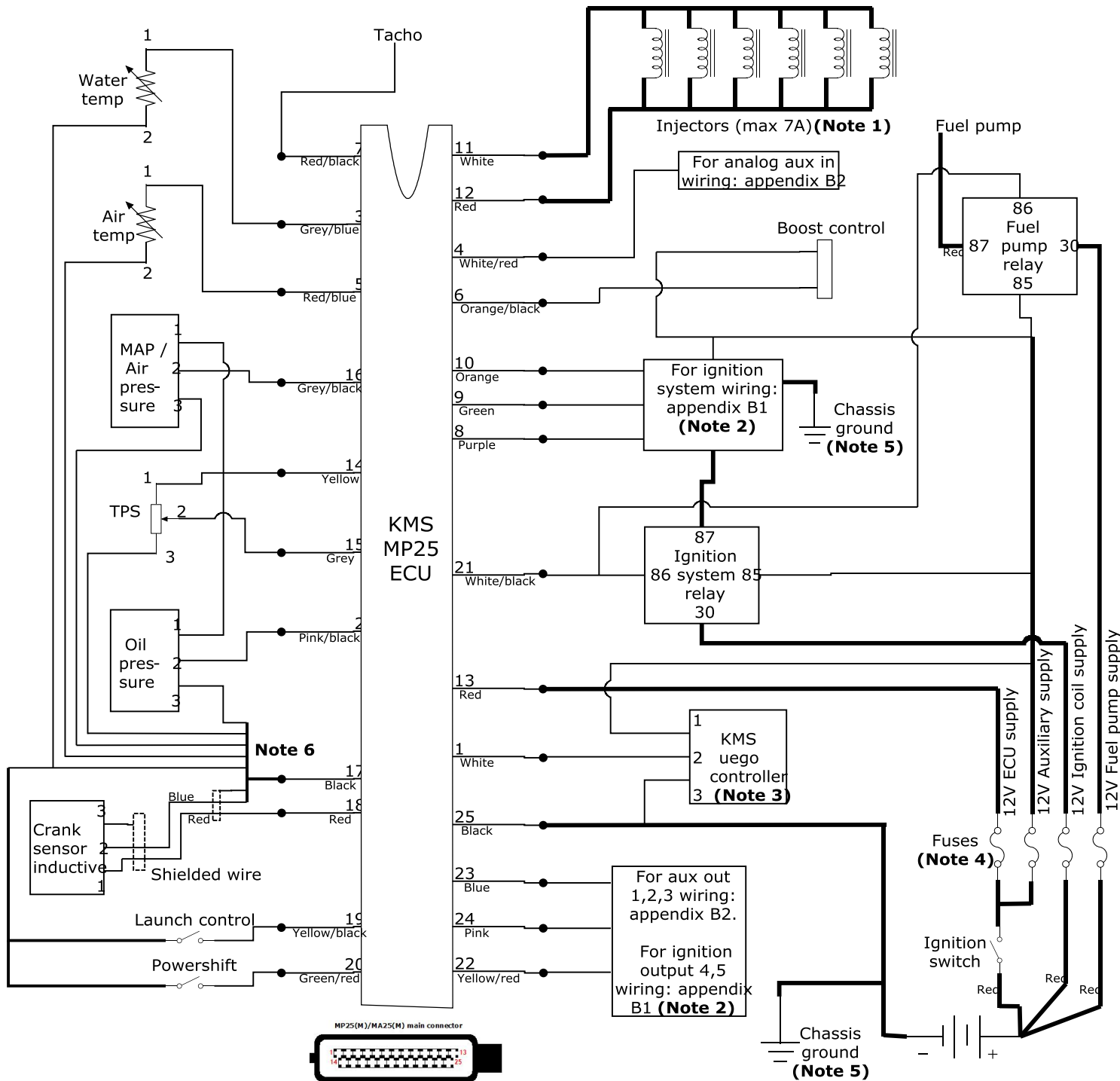


Standard colors KMS MP25(M) / MA25(M) ECU wiring loom

Pin nr. KMS	Colour	Length	Diameter: 0,5mm ²	Diameter: 0,75mm ²	Function
1	white		*		Lambda signal 1
2	pink/black		*		Oil pressure signal
3	grey/blue		*		Water temperature signal
4	white/red		*		Analog aux input: aux / A.L.S. / launch / lambda signal 2 / EGT
5	red/blue		*		Air temperature signal
6	orange/black		*		Boost Control
7	red/black		*		Tacho output
8	purple		*		Ignition output 3
9	green		*		Ignition output 2
10	orange		*		Ignition output 1
11	white			*	Injector output
12	red			*	12V Injector supply
13	red			*	12V ECU supply
14	yellow		*		5V TPS sensor supply
14	yellow		*		5V MAP sensor supply
15	grey		*		TPS signal
16	grey/black		*		MAP signal
17	black		*		Sensor ground (Air T)
17	black		*		Sensor ground (Water T)
17	black		*		Sensor ground (TPS)
17	black		*		Sensor ground (MAP)
17	blue + shield		* (shielded)		Crank-sensor ground
18	red		* (shielded)		Crank-sensor signal inductive
19	yellow/black		*		Launch Control
20	green/red		*		Powershift / Airco
21	white/black		*		Fuel pump relay
22	yellow/red		*		Aux 3 out
23	blue		*		Aux 1 out / Ignition output 5
24	pink		*		Aux 2 out / Ignition output 4
25	black			*	ECU ground
25	black		*		Lambda ground

For more information, user manuals, wiring examples and software see our website: <http://kms.vankronenburg.nl> or the software CD included with the ECU.



MP25(M) / MA25(M) main wiring

Note 1: The injector output can deliver a maximum current of 7A. This means that a maximum of 6 high impedance (≥ 12 Ohm) injectors can be used on one injector output (pin 11). When using low impedance injectors (< 12 Ohm) or more than 6 high impedance injectors on one injector output, an external KMS injection driver needs to be used. KMS injection drivers can take up to a maximum of 10A per output. For connection of the injection driver, see wiring examples.

Note 2: Auxiliary output 1 and 2 can be used as two extra ignitions outputs. For connection/wiring of aux outputs 1 and 2 as ignition outputs or for auxiliary functions, see wiring examples.

Note 3: When using a KMS uego display, the display can be connected to the MP25 via serial communication for displaying multiple engine parameters in the lambda display.

Note 4: The value/capacity of the fuse is dependent on the total maximum current of the electrical components connected. See wiring examples for deterring the fuse values.

Note 5: Preferably put all ground connections (except coil ground!) on the same chassis point, to prevent a difference in potential between the grounds. **Warning:** The coil ground should be connected to the chassis on a separate point to prevent remaining ignition currents from transferring to the ECU system.

Note 6: All sensor grounds (including the shield of the crankshaft wires) must be soldered together at one point as close as possible to the main connector. The connecting point should then be wired to the main connector by one single wire.