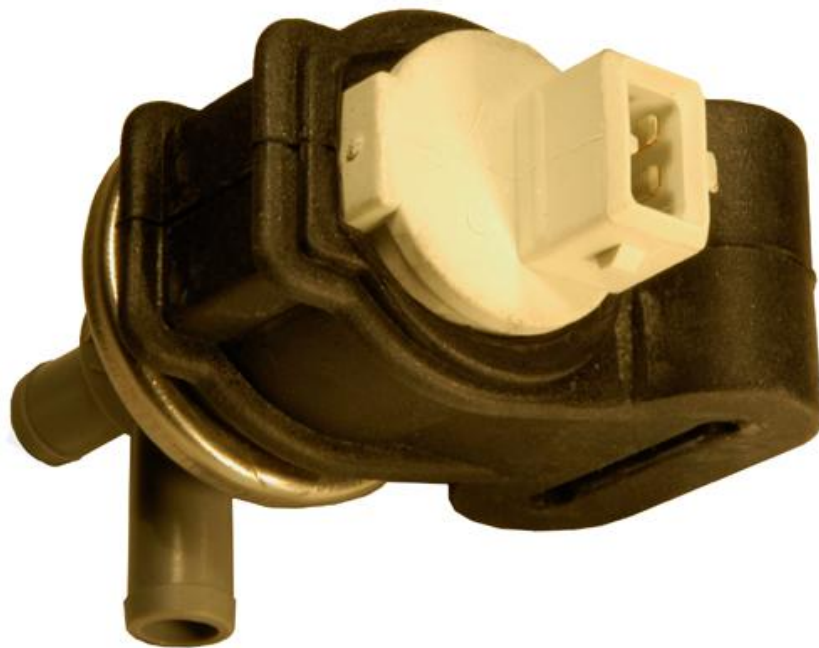


KMS

KMS idle control kit

Part nr: 01-01-01-0008



Kronenburg Management Systems

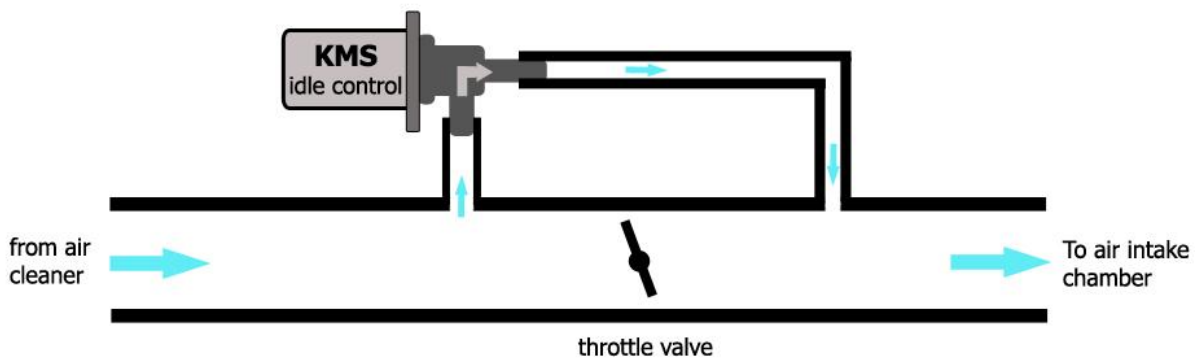
This document contains detailed information about the KMS idle control kit. Additional information, user manuals, wiring examples and software can be found on our website: <http://kms.vankronenburg.nl> or on the software CD included with the ECU.

Contents of the package

- 1 idle control valve
- Bracket + mounting parts
- Installation manual

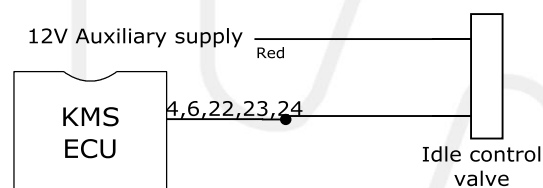
Installation of the idle control valve

The idle control valve has to be fitted as illustrated in the picture below. Connection of the controller valve to the inlet system, needs to take place before and after the throttle body.



The idle-solenoid needs +12 Volt on one pin and a signal from the KMS management on the other pin. You can change the polarity without influencing the functioning of the valve.

To connect/wire the idle-control valve to the KMS ECU's, use pin numbers 4 (MD35 only), 6, 22, 23 or 24 (MP25(M) / MA25(M) only). For more information see also the wiring examples on our website.



The idle control valve must be defined in the hardware configuration of the ECU. When you are in the main screen of the software program, go to 'options (F4)' and then click 'hardware configuration'. Here you can enable the idle control and define the pin to which the idle control valve is connected. For setting up the idle control go to the main screen of the software program and press 'idle control tables (F6)'.

Idle-control setup procedure

- Disable the idle control valve.
- Let the engine run under normal operating conditions (normal temperatures and without use of auxiliary devices like air-conditioning or heavy load on the alternator).
- Set the throttle valve at a position that the engine will run at normal idle speed.
- Connect the idle control valve and set the software in order to let the idle valve compensate idle speed when the engine drops below normal idle RPM (low engine temperature, air-conditioning active, power use of alternator etc.)

Fault tracing

Problem	Cause	Solution
idle control valve does not activate	<ul style="list-style-type: none"> - no 12 volt supply - hardware configuration not set to the right output PIN - parameters not set right in the idle control options (see F6 in the KMS management software) 	<ul style="list-style-type: none"> - check the power supply on the idle control valve - change KMS management hardware configuration - check the setup of the idle control settings
Idle control isn't working properly	<ul style="list-style-type: none"> - throttle valve too much closed/open - idle control valve mounted in the wrong flowing direction (air goes the wrong way) 	<ul style="list-style-type: none"> - check (when you disable the idle control valve) if the engine will run idle under normal operating conditions - change the connection of the hoses