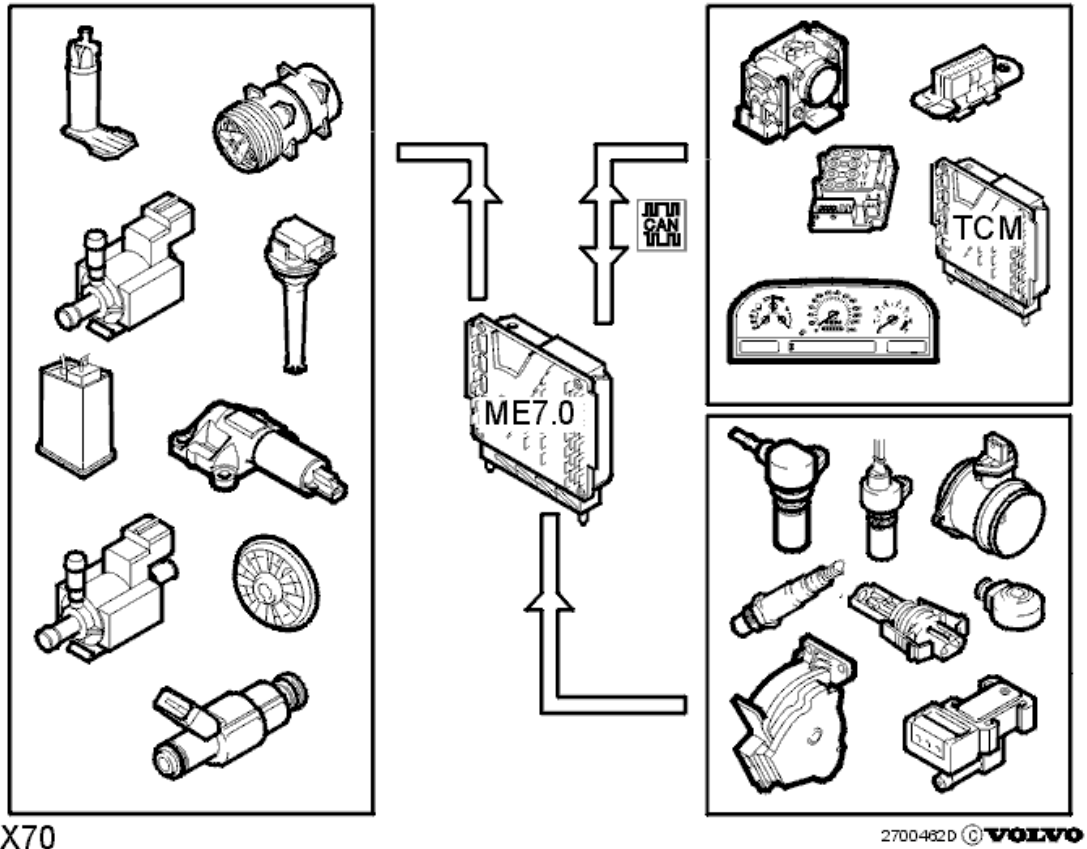


System overview ME 7.0



The ME 7.0 (Motronic, Electronic 7.0) is a development of the Motronic 4.4 but also has strong similarities with the DENSO engine management system in terms of the components and their functions.

The ME 7.0 is installed on all B52X4T engines from 1999 model year onwards.

The largest new feature is the communication between the engine control module (ECM) and other modules via a network.

There are also other new features in the system:

- Electronic throttle system which covers both the electronic throttle module and the accelerator pedal module
- Continuous Variable Valve Timing (CVVT)

The following communicate with the engine control module (ECM) via the network:

- Transmission Control Module (TCM)
- Electronic Throttle Module (ETM)
- Anti-lock Braking System (ABS)
- Can and Driver information Module (CDM)
- Data Link Connector (DLC)

ME 7.0 contains sensors which function according to known principles and send

information by analog signals directly to the engine control module (ECM).

As applies to controlled components these also function to known principles, with a few exceptions. These exceptions are covered on the following pages.