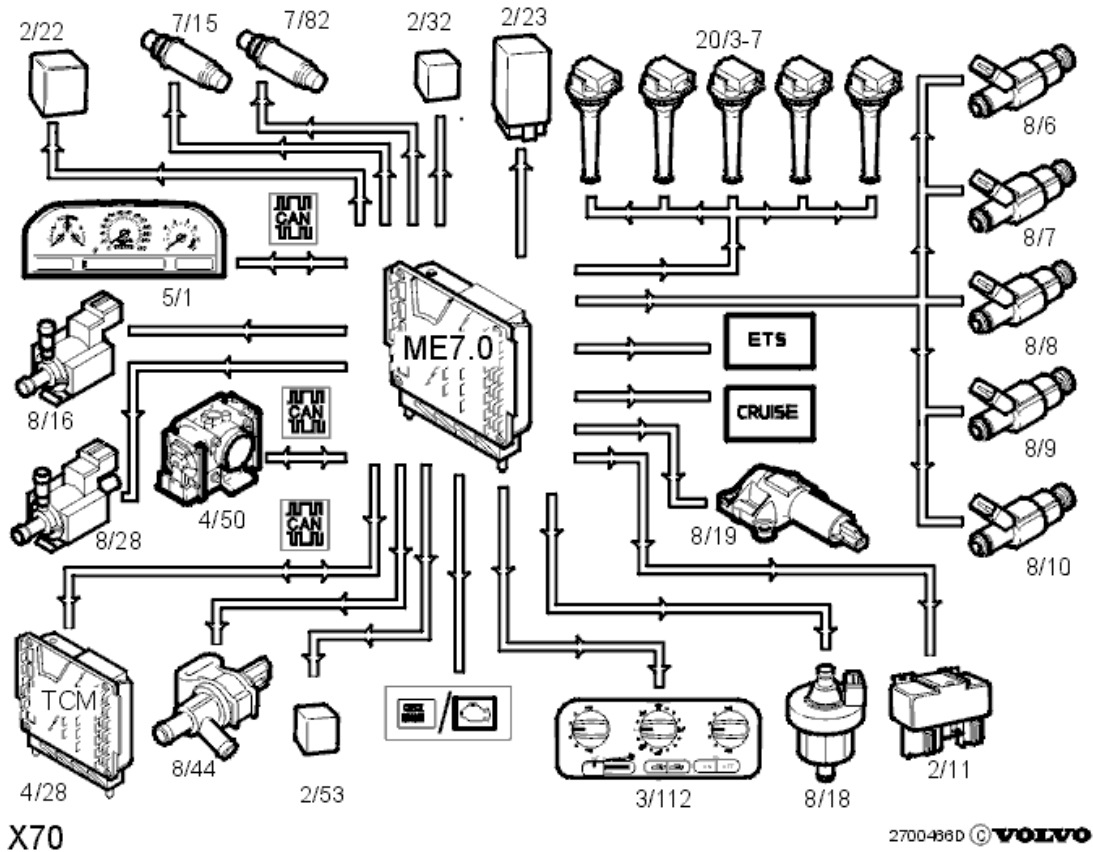


Functions/components controlled



New sensors and functions which are different to previously known principles are marked with **bold text** .

Number	Component	Signal type/function
2/11	Relay, engine cooling fan (FC)	Engine cooling fan (FC) speed, high speed or low speed.
2/22	Air conditioning (A/C) relay	Connecting and disconnecting air conditioning (A/C) compressor.
2/23	Fuel pump relay	Activation and deactivation of fuel pump.
2/32	System relay	Controlled by the engine control module (ECM) provides engine sensors and functions with voltage supply.
4/30 4/6	ECC MCC	Signals engine coolant temperature to climate control system which can then determine how the blower fan should be controlled after cold start.
4/28	TCM Transmission Control Module	For signals transmitted between the engine control module (ECM) and the Transmission Control Module (TCM) refer to CAN communication.
4/50	ETM Electronic Throttle Module	For signals transmitted between the engine control module (ECM) and the electronic throttle module refer to CAN communication.
5/1	CDM Can and Driver information Module	For signals transmitted between the engine control module (ECM) and the CAN and Driver information Module refer to CAN communication.
7/15	Front heated oxygen	Power supply for heating PTC element.

	sensor (HO2S)	
7/82	Rear heated oxygen sensor (HO2S)	Power supply for heating PTC element.
8/6-10	Injectors	Controlled individually (sequentially).
8/18	Canister purge (CP) valve	Continuously controlled, it controls the flow from EVAP canister to engine intake side.
8/19	Continuously Variable Valve Timing control valve (CVVT)	The Continuously Variable Valve Timing valve is continuously controlled by the engine control module (ECM) and controls the oil pressure to the variable camshaft on the exhaust side.
8/28	Turbocharger (TC) control valve	Controls turbocharger (TC) boost pressure
8/44	Fresh air valve, Canister purge (CP)	The valve is either off or on and opens or closes the canister fresh air intake during a leak diagnostic.
20/3-7	Ignition coil/power stage for cylinders 1-5	Separate ignition coil with integrated power stages for each cylinder. Gives shorter charging interval and more power.
	Malfunction indicator lamp (MIL) USA/CDN = Check Engine Other = engine symbol	The lamp lights up for faults affecting the emissions. The lamp flashes for misfires which cause risk of damage to the catalytic converter. Can also light up when requested by the Transmission Control Module (TCM) and the electronic throttle module.
	ETS warning lamp	Can be activated by either the engine control module (ECM) or the electronic throttle module depending on where the fault was found in the system.
	Cruise indicator lamp	Activated by the engine control module (ECM) and informs the driver that the cruise control is active.