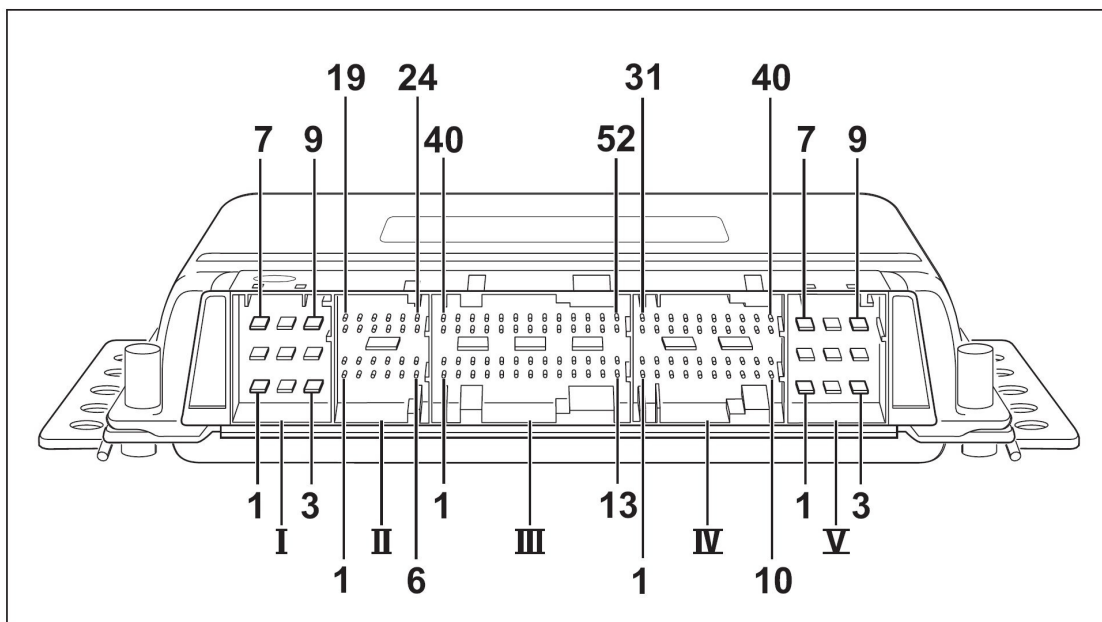


Vehicle: Connector Views

Engine, Cooling and Exhaust



I - Connector I, 9-pole

II - Connector II, 24-pole

III - Connector III, 52-pole

IV - Connector IV, 40-pole

V - Connector IV, 9-pole

Connector I, 9-pole

Pin	Designation	Pin	Designation
1	Terminal 15	6	Ground, output stages
2	Terminal 30	7	Throttle motor actuator
3	W-wire	8	DME relay terminal 87
4	Ground, electronics	9	Throttle motor actuator
5	Ground, fuel injectors		

DME Control Module Connector Assignment (Part 1)

Connector II, 24-pole			
Pin	Designation	Pin	Designation
1	Oxygen sensor heating 2 after catalytic converter	13	Oxygen sensor heating 2 ahead of catalytic converter
2	Pump current regulator of oxygen sensor 1 ahead of catalytic converter	14	Signal, oxygen sensor 2 after catalytic converter
3	CAN low (Tiptronic)	15	Signal, oxygen sensor 1 ahead of TWC
4	CAN high (Tiptronic)	16	Signal, oxygen sensor 2 ahead of catalytic converter
5	Pump current regulator of oxygen sensor 1 ahead of catalytic converter	17	Signal, oxygen sensor 1 after catalytic converter
6	Pump current regulator of oxygen sensor 1 ahead of catalytic converter	18	not assigned
7	Oxygen sensor heating 1 after catalytic converter	19	Oxygen sensor heating 1 ahead of catalytic converter
8	Ground, oxygen sensor 2 after catalytic converter	20	not assigned
9	Ground, oxygen sensor 1 after catalytic converter	21	Engine compartment temperature sensor
10	Ground, oxygen sensor 2 after catalytic converter	22	5 V supply for mass air flow sensor
11	Ground, oxygen sensor 1 after catalytic converter	23	not assigned
12	not assigned	24	Pump current regulator of oxygen sensor 2 ahead of catalytic converter
Connector III, 52-pole			
Pin	Designation	Pin	Designation
1	Valve lift control, cylinder 1 - 3	27	Fuel injector, cylinder 4
2	Fuel injector, cylinder 5	28	Fuel injector, cylinder 6
3	EVAP canister purge valve (closed without flow)	29	not assigned
4	Frequency valve, charge pressure	30	not assigned
5	Oil temperature sensor	31	not assigned
6	not assigned	32	Ground
7	5 V supply for camshaft position? sensor and differential pressure sensor	33	not assigned
8	Signal, throttle position sensor 2	34	Intake air temperature sensor
9	Ground, mass air flow sensor	35	not assigned
10	5 V supply for throttle actuation	36	Input, knock sensor 2

DME Control Module Connector Assignment (Part 2)

Connector III, 52-pole

Pin	Designation	Pin	Designation
11	Triggering of secondary air pump relay (terminal 85)	37	Ground, knock sensor 2
12	Signal, camshaft position sensor 1	38	not assigned
13	Start enable, Tiptronic (P + N)	39	Charge pressure sensor
14	Secondary air valve	40	Fuel injector, cylinder 2
15	Fuel injector, cylinder 3	41	Fuel injector, cylinder 1
16	Overrun recirculating air valve	42	not assigned
17	Ground, sensors	43	not assigned
18	Signal, camshaft position sensor 2	44	not assigned
19	Charge control	45	Signal A, speed sensor
20	not assigned	46	
21	not assigned	47	not assigned
22	Engine coolant temperature sensor	48	not assigned
23	Signal, mass air flow sensor	49	Signal B, speed sensor
24	Signal, throttle position sensor 1	50	Ground, knock sensor 1
25	Ground, throttle position sensors 1 + 2	51	not assigned
26	Valve lift control, cylinder 4 - 6	52	Speed signal from ABS control module

Connector IV, 40-pole

Pin	Designation	Pin	Designation
1	Interlock clutch switch	21	Signal, differential pressure sensor
2	not assigned	22	not assigned
3	not assigned	23	not assigned
4	Coolant fan, stage 1	24	Automatic I/M test
5	not assigned	25	Triggering of engine compartment fan relay (terminal 85)
6	not assigned	26	Triggering of DME relay (terminal 85)
7	Ground, pedal sensor 1	27	Triggering of A/C compressor fan relay (terminal 85)
8	Signal, pedal sensor 1	28	not assigned
9	5 V supply, pedal sensor 1	29	Knocking signal
10	Triggering of fuel pump relay (terminal 85)	30	EVAP canister shutoff valve
11	not assigned	31	Coolant fan, stage 3
12	Ground, pedal sensor 2	32	not assigned
13	Signal, pedal sensor 2	33	Manual transmission start enable

DME Control Module Connector Assignment (Part 3)

Connector IV, 40-pole			
Pin	Designation	Pin	Designation
14	5 V supply, pedal sensor 2	34	Air conditioning medium pressure switch
15	Ground, differential pressure sensor	35	not assigned
16	Crash signal (airbag)	36	CAN high (PSM and instrument cluster)
17	Speed signal output	37	CAN low (PSM and instrument cluster)
18	not assigned	38	not assigned
19	not assigned	39	not assigned
20	Coolant fan, stage 2	40	Tiptronic coolant shutoff valve

Connector V, 9-pole			
Pin	Designation	Pin	Designation
1	Ignition coil, cylinder 6	6	Ignition coil, cylinder 1
2	Ignition coil, cylinder 4	7	Camshaft adjustment, bank 1
3	Ignition coil, cylinder 2	8	Camshaft adjustment, bank 2
4	Ignition coil, cylinder 5	9	Ignition coil, cylinder 3
5	Ground		

DME Control Module Connector Assignment (Part 4)