

VW 2 litre AGG engine.

Simos electronic engine management

Engine Control Unit (ECU) connector – T68

Pin	Colour		Connecting to	Purpose	Notes
	Main	Trace			
1	Brown	-	Relay box mounting bolt	Engine harness earth (control unit)	
2	Grey	-	Via T28a/21	Injector 1	
3					<i>No wire present</i>
4					<i>No wire present</i>
5	Blue	Yellow	T10 on relay plate	?	<i>No wire present</i>
6					<i>No wire present</i>
7	Green	Red		Coil	
8	Black	red	Pin 5/86a	Simos current supply relay	(listed as black/white)
9	Black	-	T3 by T28a	Knock sensor	
10	Lilac	White	?	?	Dash insert
11	Blue	White	Dash panel & radio	Road speed signal	<i>No wire present</i>
12	Blue	-	Via T28a/9	Coolant temperature sender	
13	Green	-	T2 on relay plate		<i>No wire present</i>
14	Red	Green	T3	Air mass meter	
15	Yellow	Red	T10 on relay plate		<i>No wire present</i>
16	Brown	Blue	T3 by T28a	Crank sensor	
17	White	-	T4	Lambda sensor	
18	Grey	Yellow	Via T28a/27	Throttle position module	
19	Green	Black	T10/5 & T28/10 to dash insert	Rev counter feed to dash insert	(connects to Line 1 - coil trigger line) <i>not needed as T25 rev counter run from alternator 'W' terminal</i>
20	Brown	-	T4	Lambda sensor	(listed as Brown/Black
21	Black	-	T4	Lambda sensor	(black at pin – connects to braided sheath around white & yellow leads)
22					<i>No wire present</i>
23	Black	Yellow	T3	Air mass meter	
Ditto	Black	Yellow	Pin 6/87	Simos current supply relay	
24					<i>No wire present</i>
25	White	-	Via T28a/25	Throttle position module	
26	Brown	Grey	T3	Air mass meter	
27					<i>No wire present</i>
28	Red	Grey	Via T28a/26	Throttle position module	
29	Brown	Blue	T3	Intake temperature sensor	
30	Black	-	Via T28a/28	Throttle position module	
31	Yellow	Blue		Fuel pump relay	Switching earth to control pump
32	Red	Green	(Starter/ignition-starter switch.) JX starter solenoid	Cranking signal to ECU	live when cranking (line 50)
ditto	Brown	Red	T10/1 on relay plate		<i>No wire present. Only on auto gearbox models</i>
33	Green	Yellow		Activated charcoal solenoid	(listed as grey/yellow)
34	Blue	-	T3 by T28a	Knock sensor	
35	Brown	Blue	Via T28a/6	Engine harness earth (for senders)	

Pin	Colour		Connecting to	Purpose	Notes
36	Grey	-	T3 by T28a	Knock sensor	
37	White	Yellow	T3	Intake temperature sensor	
38	Black	White		Ignition live connection in engine harness	(listed as black)
39	Blue	Red	T2 on relay plate		<i>No wire present</i>
40	Red	Blue	Via T28a/19	Throttle position module	
41	Red	White	Via T28a/20	Throttle position module	
42	Yellow	-	T4	Lambda sensor	
43	Grey	White		Immobiliser control unit	
44	Green	White	Via T28a/15	Hall sender	
45	Red	Black	Via T28a/16	Hall sender	
46	Grey	Green	Via T28a/22	Injector 2	
47	Grey	Red	Via T28a/23	Injector 3	
48	Grey	Blue	Via T28a/24	Injector 4	
49					<i>No wire present</i>
50					<i>No wire present</i>
51					<i>No wire present</i>
52					<i>No wire present</i>
53					<i>No wire present</i>
54					<i>No wire present</i>
55					<i>No wire present</i>
56					<i>No wire present</i>
57					<i>No wire present</i>
58					<i>No wire present</i>
59					<i>No wire present</i>
60					<i>No wire present</i>
61					<i>No wire present</i>
62					<i>No wire present</i>
63					<i>No wire present</i>
64					<i>No wire present</i>
65					<i>No wire present</i>
66					<i>No wire present</i>
67	Green	Black	T3 by T28a	Crank sensor	
68	Red	Yellow	T3 by T28a	Crank sensor	(listed as red/green)
			These pins not used		
T28a is main loom connector to engine. Knock & crank sensors each have T3 connectors in the same location.					
Immobiliser					
	Brown			earth	
	Black			Ignition live	
	Grey	White	T68/43 & VAG1551	signal	
VAG 1551 port (T16)					
	Brown			Earth	
	Grey	White	T68/43 & immobiliser	signal	
	Yellow		Not needed	ABS or airbag signal	
	Red	white		Live (line 30) 15A fuse	