

USDM Evo 9 pinout according to USDM Evo 9 Factory Service Manual

plug C-121 = "A" plug on GEMs pinout, pins 1-8, 9-23, 24-35

plug C-119 = "B" plug on GEMs pinout, pins 41-47, 48-59, 60-68

plug C-117 = "C" plug on GEMs pinout, pins 71-77, 78-90, 91-100

C-121

(MU803784)

1	2		3	4		JAE					5	6		7	8
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
24	25		26	27	28	29		30	31	32	33		34	35	

C-119

(MU803782)

41	42	43	44						45	46	47
48	49	50	51	52	53	54	55	56	57	58	59
60	61		62	63	64		65	66		67	68

C-117

(MU803783)

71	72		73	74		JAE					75	76	77
78	79	80	81	82	83	84	85	86	87	88	89	90	
91	92	93		94	95		96	97	98		99	100	

C-121

(MU803784)

1	2		3	4		JAE					5	6		7	8
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
24	25		26	27	28	29		30	31	32	33		34	35	

Pin	Color	Description
1		Injector #1
2		Injector #4
3		Front O2 heater control
4		not used
5		not used
6		EGR solenoid relay ground (control)
7		not used
8		Alternator control ground
9		Injector #2
10		not used
11		Ignition coil cyl #1, #4
12		Ignition coil cyl #2, #3
13		not used
14		Idle air control
15		Idle air control
16		Evaporative purge solenoid relay ground (control)
17		not used
18		Cooling fan relay ground (control)
19		MAF signal filter?
20		A/C
21		Fuel pump relay ground (control)
22		CEL ground (control)
23		not used
24		Injector #3
25		not used
26		Rear O2 heater control
27		not used
28		Idle air control
29		Idle air control
30		A/C
31		A/C
32		MIVEC valve control
33		not used
34		Sensor ground
35		Evaporative ventilation solenoid relay ground (control)

C-119**(MU803782)**

41	42	43	44						45	46	47
48	49	50	51	52	53	54	55	56	57	58	59
60	61		62	63	64		65	66		67	68

Pin	Color	Description
41		Waste gate solenoid relay ground (control)
42		TPS power (+5 V)
43		Crankshaft position sensor signal
44		Coolant sensor signal
45		RPM
46		Ground to Chassis
47		Power out?
48		Fuel pressure solenoid ground (control)
49		Sensor ground
50		Exhaust cam position sensor signal
51		MAF barometric pressure sensor signal
52		Alternator signal?
53		Intake cam position sensor signal
54		Power steering pressure sensor signal
55		Fuel pump relay ground (control)
56		not used
57		MFI relay ground (control)
58		Ground to chassis
59		Power out?
60		Power from battery
61		MAF sensor signal?
62		IAT sensor signal?
63		not used
64		not used
65		A/C
66		not used
67		not used
68		Starter relay

C-117**(MU803783)**

71	72		73	74		JAE				75	76	77
78	79	80	81	82	83	84	85	86	87	88	89	90
91	92	93		94	95		96	97	98		99	100

Pin	Color	Description
71		Front O2 sensor signal
72		not used
73		Rear O2 sensor signal
74		not used
75		not used
76		not used
77		not used
78		TPS signal
79		ACD
80		Vehicle Speed Sensor signal
81		not used
82		not used
83		A/C
84		not used
85		Data link
86		not used
87		not used
88		Clutch pedal
89		not used
90		not used
91		Knock sensor signal
92		MAP sensor signal
93		Fuel tank differential pressure sensor signal
94		not used
95		Fuel level sensor signal (main)
96		Fuel temperature sensor signal
97		Fuel level sensor signal (low fuel)
98		Immobilizer
99		Ignition ground
100		Data link