

USD M Evo 9 pinout according to USD M 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		<b>not used</b>
5		<b>not used</b>
6		EGR solenoid relay ground (controls by closing [grounding] circuit)
7		<b>not used</b>
8		Alternator control ground
9		Injector #2
10		<b>not used</b>
11		Ignition coil cyl #1, #4
12		Ignition coil cyl #2, #3
13		<b>not used</b>
14		Idle air control
15		Idle air control
16		Evaporative purge solenoid relay ground (controls by closing [grounding] circuit)
17		<b>not used</b>
18		Cooling fan relay ground (controls by closing [grounding] circuit)
19		MAF signal filter?
20		A/C
21		Fuel pump relay ground (controls by closing [grounding] circuit)
22		CEL ground (controls by closing [grounding] circuit)
23		<b>not used</b>
24		Injector #3
25		<b>not used</b>
26		Rear O2 heater control
27		<b>not used</b>
28		Idle air control
29		Idle air control
30		A/C
31		A/C
32		MIVEC valve control
33		<b>not used</b>
34		Sensor ground
35		Evaporative ventilation solenoid relay (controls by closing [grounding] circuit)

**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 (controls by closing [grounding] circuit)
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 (controls by closing [grounding] circuit)
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 high/low voltage relay (controls by closing [grounding] circuit)
56		<b>not used</b>
57		MFI relay ground (controls by closing [grounding] circuit)
58		Ground to chassis
59		Power out?
60		Power from battery
61		MAF sensor signal?
62		IAT sensor signal?
63		<b>not used</b>
64		<b>not used</b>
65		A/C
66		<b>not used</b>
67		<b>not used</b>
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		<b>not used</b>
73		Rear O2 sensor signal
74		<b>not used</b>
75		<b>not used</b>
76		<b>not used</b>
77		<b>not used</b>
78		TPS signal
79		ACD
80		Vehicle Speed Sensor signal
81		<b>not used</b>
82		<b>not used</b>
83		A/C
84		<b>not used</b>
85		Data link
86		<b>not used</b>
87		<b>not used</b>
88		Clutch pedal
89		<b>not used</b>
90		<b>not used</b>
91		Knock sensor signal
92		MAP sensor signal
93		Fuel tank differential pressure sensor signal
94		<b>not used</b>
95		Fuel level sensor signal (main)
96		Fuel temperature sensor signal
97		Fuel level sensor signal (low fuel)
98		Immobilizer
99		Ignition IG1on signal (input)
100		Data link