

1998-2001 OBD2 3800 SC PCM C1 BLUE Connector				Connection	
Pin	Wire Color	Circuit Description	Action	Pin	Additional Info
3	orn	fuel level output control circuit	delete		
4	lt grn	shift solenoid A control (1-2 shift sol)	connect to	A	of 4T65-E transmission connector (if used)
5	dk blu	high speed fan control	connect to		high speed fan relay (if used)
6	dk grn	low speed fan control	connect to	D1	of Fiero C500 connector; should be dk grn/wht wire
7	blk	cam position input	connect to	F	of ignition control module harness (also pin F of ICM)
8	ppl/wht	3x reference signal (low res / fuel control)	connect to	D	of ignition control module harness (also pin D of ICM)
9	lt blu/blk	18x reference signal (hi resolution)	connect to	C	of ignition control module harness (also pin C of ICM)
12	blk	eng coolant temp sensor ground	connect to	A	of coolant temp sensor
13	orn/blk	MAP sensor ground	connect to	A	of MAP sensor
15	tan	Serial Data (UART)	connect to	9	of OBD2 Data Link Connector (DLC)
16	blk/wht	PCM ground	connect to		engine block ground
17	blk	Intake Air Temp sensor ground	connect to	A	of intake air temp sensor
19	pnk	Ignition Positive Voltage (hot in run)	connect to	F	of Fiero C203 connector, share with MAF sensor power feed
20	org	Battery Positive Voltage (hot at all times)	connect to		fused (10amp) battery power feed
22	pnk	transmission fluid pressure sw A input	connect to	N	of 4T65-E transmission connector (if used)
28	tan/wht	HO2S Sensor 2 (post cat) signal low	connect to	A	*OPTIONAL* of HO2S Sensor 2 (post cat) - if present
29	tan	HO2S Sensor 1 (pre cat) signal low	connect to	A	of HO2S sensor 1 (pre cat)
30	ppl	TCC Brake Switch Input	connect to	P	of Fiero C203 connector, only if 4T65-E transmission is used
31	brn or blk	EGR pintle position sensor ground	connect to	B	of EGR valve (if used)
32	red or wht	EGR valve control	connect to	A	of EGR valve (if used)
33	dk blu	Bank 1 Knock Sensor signal	connect to		knock sensor installed in block next to starter
34	lt blu	Bank 2 Knock Sensor signal	connect to		knock sensor installed in block facing rear of car
36	brn	Alternator charge warning lamp control	connect to	B3	of Fiero C500 connector, should be a brown wire
38	lt grn/wht	IAC Valve B high	connect to	B	of IAC valve
39	lt grn	fuel pump speed control relay	delete		
43	yel/blk	fuel injector #6 control	connect to	B	of fuel injector for cylinder #6
44	yel/blk	Shift solenoid B control (2-3 shift sol)	connect to	B	of 4T65-E transmission connector (if used)
46	lt blu/blk	fuel injector #4 control	connect to	B	of fuel injector for cylinder #4
47	blk/wht	fuel injector #5 control	connect to	B	of fuel injector for cylinder #5
48	red/blk	reference low (ignition module ground)	connect to	G	of ignition control module harness (pin L of ICM)
53	tan/blk	ignition control BYPASS	connect to	B	of ignition control module harness (also pin B of ICM)
54	wht	ignition control	connect to	A	of ignition control module harness (also pin A of ICM)
55	dk grn	4,000 ppm vehicle speed signal output	connect to		any device needing a 4000ppm VSS signal
56	blk/wht	PCM ground	connect to		engine block ground
57	blk/wht	PCM ground	connect to		engine block ground
59	ppl	Class 2 Serial Data	connect to	2	of OBD2 Data Link Connector (DLC)
60	blk/wht	PCM ground	connect to		engine block ground
61	blk	Throttle Position Sensor ground	connect to	A	of the Throttle Position Sensor
62	dk blu/wht	AT Input Shaft Speed Sensor low	connect to	V	of 4T65-E transmission connector (if used)
63	red/blk	AT Input Shaft Speed Sensor high	connect to	S	of 4T65-E transmission connector (if used)
64	yel	Vehicle Speed Sensor signal high	connect to	B	of the Vehicle Speed Sensor
65	ppl	Vehicle Speed Sensor signal low	connect to	A	of the Vehicle Speed Sensor
68	yel	Transaxle Range Position Switch B	connect to	B	of the transmission gear selector position switch (if used)
69	yel	MAF sensor signal	connect to	A	of the MAF sensor
70	dk blu	Theft Deterrent Fuel Enable	delete		(not needed with GTP Operating System programming)
71	orn/blk	Traction Control Desired Torque Input	delete		
72	dk grn	Cruise Inhibit control	connect to	H	*OPTIONAL* of Electronic Cruise Control unit
73	lt grn/blk	Fuel injector #2 control	connect to	B	of fuel injector for cylinder #2
75	dk grn	Engine Hot Warning Lamp control	connect to	D3	of Fiero C500 connector; should be dk grn wire
76	dk grn/wht	EVAP Canister Purge Solenoid control	connect to	B	of the EVAP purge valve solenoid (if used)
79	blk	fuel injector #1 control	connect to	B	of fuel injector for cylinder #1

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1998-2001 OBD2 3800 SC PCM C2 CLEAR Connector				Connection	
Pin	Wire Color	Circuit Description	Action	Pin	Additional Info
2	wht	EVAP Canister Vent Solenoid control	delete		
3	dk grn/wht	Fuel Pump relay control	connect to	A	Fiero fuel pump relay
4	gry	EGR valve control	connect to	E	of the EGR valve (if used)
5	brn/wht	Malfunction Indicator Lamp control	connect to	C	of the Fiero C203 connector (check engine lamp circuit)
6	brn/wht	low oil lamp control	delete		
7	lt blu/wht	IAC valve A high	connect to	D	of the IAC valve
8	wht	Tachometer output signal	delete		
9	tan/blk	Traction Control delievered torque control	delete		
10	ppl	HO2S Sensor 1 signal high	connect to	B	of the HO2S Sensor 1 (pre cat)
11	ppl/wht	HO2S Sensor 2 signal high	connect to	B	*OPTIONAL* of the HO2S Sensor 2 (post cat, if used)
16	wht	transaxle range switch P	connect to	A	of the transmission gear selector position switch (if used)
17	red	transmission fluid pressure switch C	connect to	P	of the 4T65-E transmission connector (if used)
18	blk/wht	transaxle range switch A	connect to	D	of the transmission gear selector position switch (if used)
21	dk blu	Performance shift switch input	connect to		*OPTIONAL* toggle switch to activate AT performance shift
22	dk grn/wht	A/C Request	connect to	D	of Fiero C203 connector (if A/C is hooked up)
25	lt grn	MAP sensor signal	connect to	B	of MAP sensor
26	yel	Engine Coolant Temp Sensor signal	connect to	B	of the coolant temp sensor
27	red/blk	A/C refrigerant pressure sensor signal	connect to	C	of the A/C pressure sensor
28	brn	EGR pintle position sensor signal	connect to	C	of the EGR valve (if used)
33	gry	5 volt reference A (for EGR, TPS, MAP)	connect to		term C of MAP and TPS, term D of EGR (if used)
34	gry	5 volt reference B (A/C pressure sensor)	connect to	B	of A/C pressure sensor
35	blk	sensor ground (A/C press, Trans Temp)	connect to		term A of A/C press sensor, term M of transmission (if used)
36	gry	change oil lamp control	delete		
39	dk grn/wht	a/c compressor clutch relay control	connect to	C	of Fiero A/C clutch relay (if used)
42	pnk/blk	fuel injector #3 control	connect to	B	of fuel injector for cylinder #3
44	lt blu/blk	IAC valve A low	connect to	C	of the IAC valve
45	red/blk	AT Pressure Control Solenoid High	connect to	C	of the 4T65-E transmission connector (if used)
46	lt blu/wht	AT Pressure Control Solenoid Low	connect to	D	of the 4T65-E transmission connector (if used)
49	lt grn/blk	IAC valve B low	connect to	A	of the IAC valve
50	tan	Intake Air Temp sensor signal	connect to	B	of the IAT sensor
55	dk grn	fuel tank pressure sensor signal	delete		
56	gry	transaxle range switch C	connect to	C	of the transmission gear selector position switch (if used)
57	dk blu	Transmission fluid pressure switch B	connect to	R	of the 4T65-E transmission connector (if used)
58	brn	engine oil level switch input	delete		
59	wht	cruise control status	connect to	J	*OPTIONAL* of the Electronic Cruise Control unit
61	red	Generator L terminal	connect to	B or L	of the alternator
63	yel	AT TCC release switch input	connect to	U	of the 4T65-E transmission connector (if used)
66	dk blu	Throttle Position Sensor signal	connect to	B	of the TPS
68	yel/blk	Transmission fluid temp sensor signal	connect to	L	of the 4T65-E transmission connector (if used)
69	ppl	fuel level sensor input	delete		
77	gry	boost control solenoid control circuit	connect to	B	*OPTIONAL* of the boost control solenoid
78	brn	AT TCC PWM solenoid control	connect to	T	of the 4T65-E transmission connector (if used)

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Engine/Transmission Component electrical interface to Fiero

Component	Component Pin	Action	Description
All Injectors	A	connect to	Pin J of Fiero C203 Connector, change INJ1 fuse to 10amp
MAF sensor Ignition Power	C	connect to	Pin F of Fiero C203 connector, share with PCM IGN power feed circuit
MAF sensor ground	B	connect to	engine block ground
4T65E transmission power	E	connect to	Pin K of Fiero C203 connector, share with other components; change INJ2 fuse to 20amp
EVAP purge solenoid power	A	connect to	Pin K of Fiero C203 connector, share with other components; change INJ2 fuse to 20amp
HO2S Sensor 1 heater	D	connect to	Pin K of Fiero C203 connector, share with other components; change INJ2 fuse to 20amp
HO2S Sensor 1 heater	C	connect to	engine block ground
Boost Control Solenoid	A	connect to	Pin K of Fiero C203 connector, share with other components; change INJ2 fuse to 20amp
Ignition Control Module Power Input	P	connect to	Pin E3 of Fiero C500 connector
Ignition Control Module Tach Signal	E	connect to	Pin C3 of Fiero C500 connector (omit Fiero tach filter - if present)
Data Link Connector	4	connect to	engine block ground
Data Link Connector	5	connect to	engine block ground
Data Link Connector	16	connect to	Fused (10amp) Battery 12v + power feed (hot at all times)

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