

Fiero 2.8 ECM Harness & Connectors			1227727 ECM (1992 Lumina 3.1) Connectors		
Pin	Wire Color	Circuit Description	Action	Pin	Additional Action (if needed)
A1	dk grn / wht	fuel pump relay control	move to	D7	
A4	gry / red	egr control, term B at EGR	move to	A11	hook knock sensor to this circuit in engine compartment
A5	brn / wht	check engine lamp control	move to	B1	
A6	pnk / blk	ign 1 b+ fused feed	move to	B10	
A7	tan / blk	tcc / shift lamp control	move to	B7	
A8	org	serial data	move to	B5	at ALDL connector, move org wire from pin E to pin M
A9	wht / blk	diagnostic enable	move to	B3	
A10	brn	2000 ppm vss signal from fiero speedo	delete		
A11	tan	intake air temp sensor	move to	C4	
A12	blk / wht	ecm ground	move to	C6	
B1	org	constant battery power 12v +	move to	D17	
B3	blk / red	distributor reference low (ground)	move to	D19	see DIS instructions below
B4	wht	electronic spark timing control	move to	C9	see DIS instructions below
B5	ppl / wht	distributor reference signal	move to	D13	see DIS instructions below
B8	lt blu	a/c request signal from hvac controls	move to	C17	
B10	org / blk	park/neutral signal (auto trans)	move to	D11	
C2	dk blu	a/c relay control	move to	A12	
C3	lt grn / blk	IAC B low	move to	A2	
C4	lt grn / wht	IAC B hi	move to	A8	
C5	lt blu / wht	IAC A hi	move to	A1	
C6	lt blu / blk	IAC A low	move to	A7	
C10	yel	coolant temp signal	move to	C16	
C11	lt grn	map sensor signal	move to	C22	
C12	lt grn	map sensor signal	delete		(this is an extra wire in the Fiero harness, not needed)
C13	dk blu	tps signal	move to	C15	
C14	gry	5 volt reference	move to	C12	
C15	blu	inj B control	move to	D3	
C16	org	constant battery power 12v +	move to	D17	
D1	blk / wht	ecm ground	move to	D4	
D5	tan / blk	est bypass	move to	C3	see DIS instructions below
D6	tan	o2 sensor ground	move to	A22	
D7	ppl	o2 sensor signal	move to	A16	
D8	dk grn	egr diagnostic switch, pin C at egr	move to	A9	coolant fan control, connect fan temp sw wire to this circuit
D12	blk	cts, tps ground	move to	C10	
D13	blk / org	map, mat ground	move to	C5	
D14	grn	inj A control	move to	D9	
D15	grn	inj A control	delete		(this is an extra wire in the Fiero harness, not needed)
D16	blu	inj B control	delete		(this is an extra wire in the Fiero harness, not needed)

B White
 C Green
 D Blue

122727 ECM (1992 Lumina 3.1) Secondary Harness Connections

Pin	Wire Color	Circuit Description	Action
C7	gry	5v reference	connect to A/C pressure sensor terminal B
C2	ppl	VSS low	splice into ppl or ppl/wht wire going to terminal R of C203 connector
C8	yel	VSS hi	splice into yel wire going to terminal G of C203 connector
B8	dk grn / wht	VSS 4000 ppm out	can be used for electronic cruise module or Fiero speedo
D10	tan / wht	injector driver ground	connect to engine block ground
D12	tan / wht	injector driver ground	connect to engine block ground
C21	gry / red	A/C pressure sensor signal	connect to A/C pressure sensor terminal C
D16	lt blu / org	power steering pressure switch	not needed
A4	lt blu	EGR solenoid #1 control	optional; hook up to digital EGR valve terminal A
A20	gry or tan/wht	fuel pump circuit voltage signal	splice into tan/wht wire going to terminal L of C203 connector
A19	brn	EGR solenoid #2 control	optional; hook up to digital EGR valve terminal B
C13	red	EGR solenoid #3 control	optional; hook up to digital EGR valve terminal C; term D hooks to fused IGN 1 12v + power
A10	dk grn / yel	EVAP solenoid control	optional; hook up to EVAP purge solenoid valve terminal B; term A hooks to fused IGN 1 12v + power
C20	wht	2nd Gear Signal (440T4 / 4T60 only)	connect to pin E of the 440T4 / 4T60 auto OD trans (if used)
D6	dk grn	3rd Gear Signal (440T4 / 4T60 only)	connect to pin C of the 440T4 / 4T60 auto OD trans (if used)
D22	lt blu	4th Gear Signal (440T4 / 4T60 only)	connect to pin B of the 440T4 / 4T60 auto OD trans (if used)
*C5	blk	sensor ground	splice into this existing wire to supply ground reference to A/C pressure sensor terminal A

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Distributorless Ignition System (DIS) connections

Pin	Wire Color	Circuit Description	Action
A	blk / wht	ignition module ground	connect to engine ground
B	pnk or pnk/blk	ignition module ign B+ power	connect to large pink wire coming from C500 connector terminal E3
A	yel	crank sensor hi	connect to crank sensor terminal A
B	bare (if present)	shield	*optional shield; if no shield wire is present make sure ppl and yel wires are twisted pair
C	ppl	crank sensor low	connect to crank sensor terminal B
A	tan / blk	EST Bypass	Connect to wire going to pin B (tan / blk wire) of the OE Fiero ign module
B	wht	EST	Connect to wire going to pin D (wht wire) of the OE Fiero ign module
C	wht	Tach Signal Out	Connect to OE Fiero tach wire coming from terminal C3 of the C500 connector (do not use tach filter)
D		not used	
E	ppl / wht	Reference Hi	Connect to wire going to pin C (ppl / wht) of the OE Fiero ign module
F	blk / red	Reference Ground	Connect to wire going to pin A (blk / red) of the OE Fiero ign module

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