

| 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 | |
| B4 | wht | electronic spark timing control | move to | C9 | |
| B5 | ppl / wht | distributor reference signal | move to | D13 | |
| 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 | | |
| C13 | dk blu | tps signal | move to | C15 | |
| C14 | gry | 5 volt reference | move to | C7, 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 | must be disconnected to set base timing, see note1 below |
| D6 | tan | o2 sensor ground | move to | A22 | |
| D7 | ppl | o2 sensor signal | move to | A16 | |
| D8 | dk grn | egr diagnosic 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 | | |
| D16 | blu | inj B control | delete | | |

NOTE 1: A single wire weatherpack connector (similar to what is used for the O2 sensor) must be wired into this circuit so the circuit can be disconnected in order to put the ignition system into base

timing mode so the base timing can be set using a timing light.

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| 1227727 ECM Connector | Color |
|------------------------------|--------------|
| A | Orange |
| B | White |
| C | Green |
| D | Blue |

1227727 ECM (1992 Lumina 3.1) Secondary Harness Connections

| Pin | Wire Color | Circuit Description | Action |
|-----|----------------|----------------------------------|---|
| 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 | dk blu | A/C pressure switch signal | optional; hook up to hi side a/c pressure switch; activates coolant fan output when A/C press is hi |
| 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 |

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