



F02: ELECTRIC COOLANT PUMP
 CHARACTERISTIC MAP THERMOSTAT
 INTAKE CAMSHAFT SENSOR
 EXHAUST CAMSHAFT SENSOR
 VANOS SOLENOID VALVE, INTAKE
 VANOS SOLENOID VALVE, EXHAUST

F03: DME TERMINAL 87
 OIL CONDITION SENSOR
 DISA ACTUATOR 1
 DISA ACTUATOR 2
 FUEL TANK VENT VALVE
 CRANKSHAFT SENSOR
 AIR MASS FLOW SENSOR

F04: PRE-CAT O2 SENSORS
 POST-CAT O2 SENSORS
 CRANK BREATHER HEATER 1

PIN 1: AC COMP +
 PIN 2: REVERSE SW
 PIN 3: STARTER CRANK
 PIN 4: WAKE UP
 PIN 5:
 PIN 6: CAS INJECTOR +
 PIN 7: BLUE RELAY 87
 PIN 8:

PIN 1: CHASSIS GND
 PIN 2: INJECTOR +
 PIN 3: F03 +, SEE LIST
 PIN 4: DME MAIN RLY
 PIN 5: CRK BRTHR 2
 PIN 6: F04 +, SEE LIST
 PIN 7: WAKE UP
 PIN 8: STARTER

PIN 1: INJECTOR +
 PIN 2: F02 +, SEE LIST
 PIN 3: AC COMP +
 PIN 4:
 PIN 5: AC COMP GND
 PIN 6: ELEC COOL PUMP
 PIN 7:
 PIN 8: IGNITION COIL +

INSTRUMENT COOLANT TEMP (HEAD)
 COOLANT TEMP (HEAD)
 X60007 PIN 4,17

Y CABLE TO DUAL TEMP SENSOR

OIL PRESSURE SWITCH
 X60007 PIN 13

EXHAUST VANOS
 X60007 PIN 18, +

ECCENTRIC SHAFT SENSOR
 X60007 PINS 6,7,8,9,10,20,21,22

AC COMP
 GREEN PLUG PIN 5,3

CAM POSITION 1
 X60007 PIN 24,11
 INTAKE VANOS SOLENOID
 X60007 PIN 5, +
 CAM POSITION 2
 X60007 PIN 25,12

GND

WATER PUMP
 X60007 PIN 26, +
 THERMOSTAT
 X60007 PIN 19, +

VALVETRONIC
 X60004 PINS 3,4,5,6
 (SPliced +, -)

ALL

3,4,5,6

1,2

23

13

BSD OIL CONDITION
 X60005 PIN 35, +, -

OIL LEVEL DYNAMIC
 OIL LEVEL STATIC

CHARGE LT
 STATIC OIL - PIN 1 E30 SENSOR
 COOLANT TEMPERATURE
 OIL PRESSURE SWITCH
 IGNITION SWITCHED POWER
 FUEL RATE - STEVE'S BOX
 TACH SIGNAL (X60001 PIN 21)
 DYNAMIC OIL LEVEL PIN 2 E30

11
 12
 13
 14
 15
 16
 17
 18
 19
 20

C101 (E30)

SERVICE RESET (MOMENTARY TO GROUND)
 CHECK ENGINE LIGHT (EXTEND TO GLOVE BOX)
 FUEL PUMP + TO CHASSIS
 VEHICLE SPEED TO DME
 START!!!! LIGHT A FIRE!!

FUEL PUMP POWER
 CHASSIS GROUND

6
 13
 16
 17
 18
 19
 20

EKP IN
 X3507

EKP OUT
 X13683

D-CAN HIGH X60001 PIN 14
 IGNITION SWITCHED +
 CAN_COM
 D-CAN HIGH X60001 PIN 1
 FUEL PUMP +

1
 2
 3

4
 5
 6

PEDAL

IGNITION SWITCHED +
 CHASSIS GROUND
 SENSOR GROUND
 ISO 9141-2 K LINE (DME X60002 PIN 2)

1
 2
 3
 4
 5
 6
 7
 8

1
 2
 3
 4
 5
 6
 7
 8

PT-CAN PLUG

INSTRUMENT CLUSTER/STEERING
 ANGLE/DSC/POWER STEERING
 (DO NOT CONNECT)

ANY INJECTOR FROM X60007
 IGNITION SWITCHED POWER

1
 2

ECONO

11
 12

CHASSIS GROUND