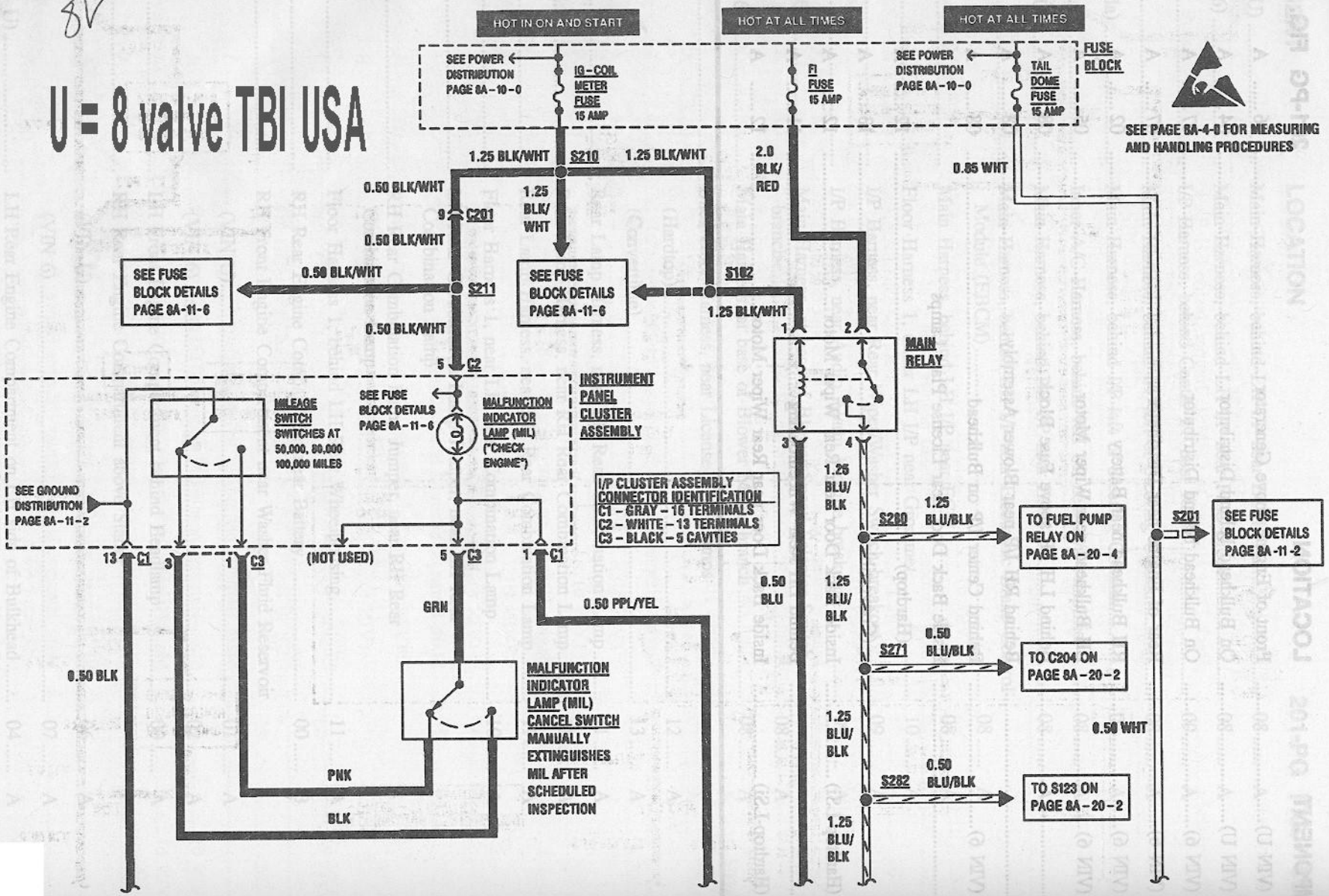
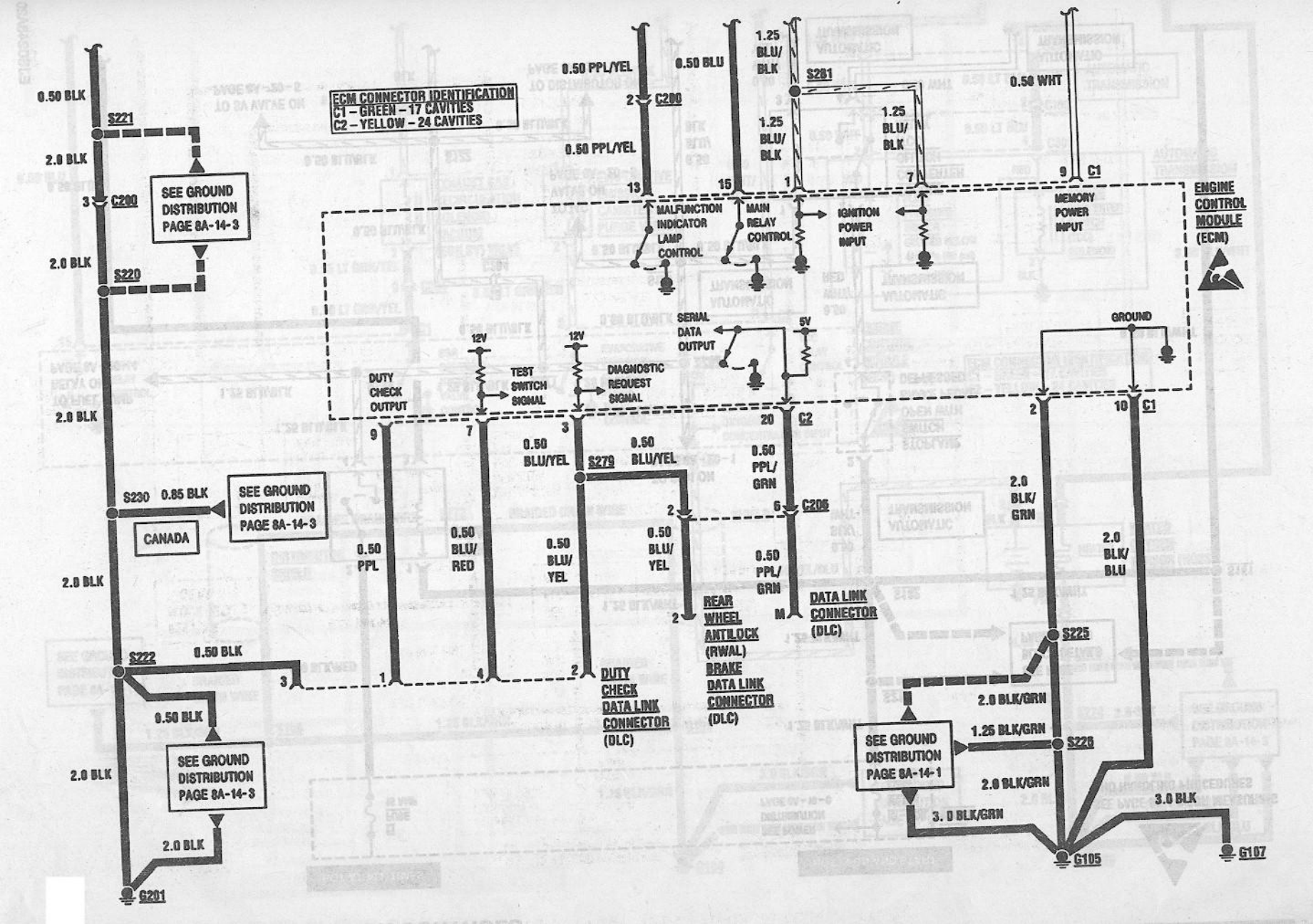
ENGINE CONTROLS: 1.6L VIN U

POWER, GROUND, MALFUNCTION INDICATOR LAMP (MIL) AND DIAGNOSTICS

8V

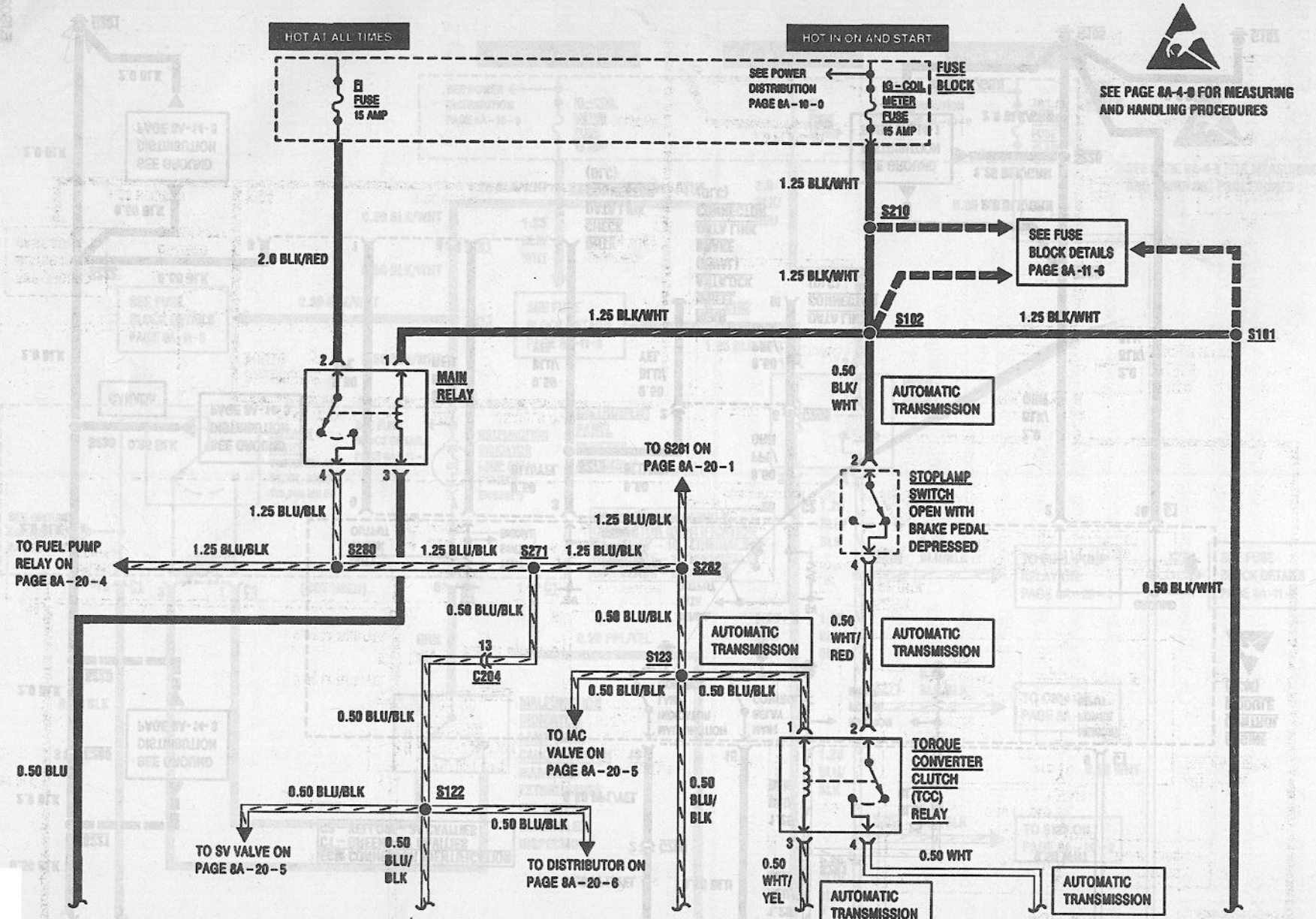
U = 8 valve TBI USA

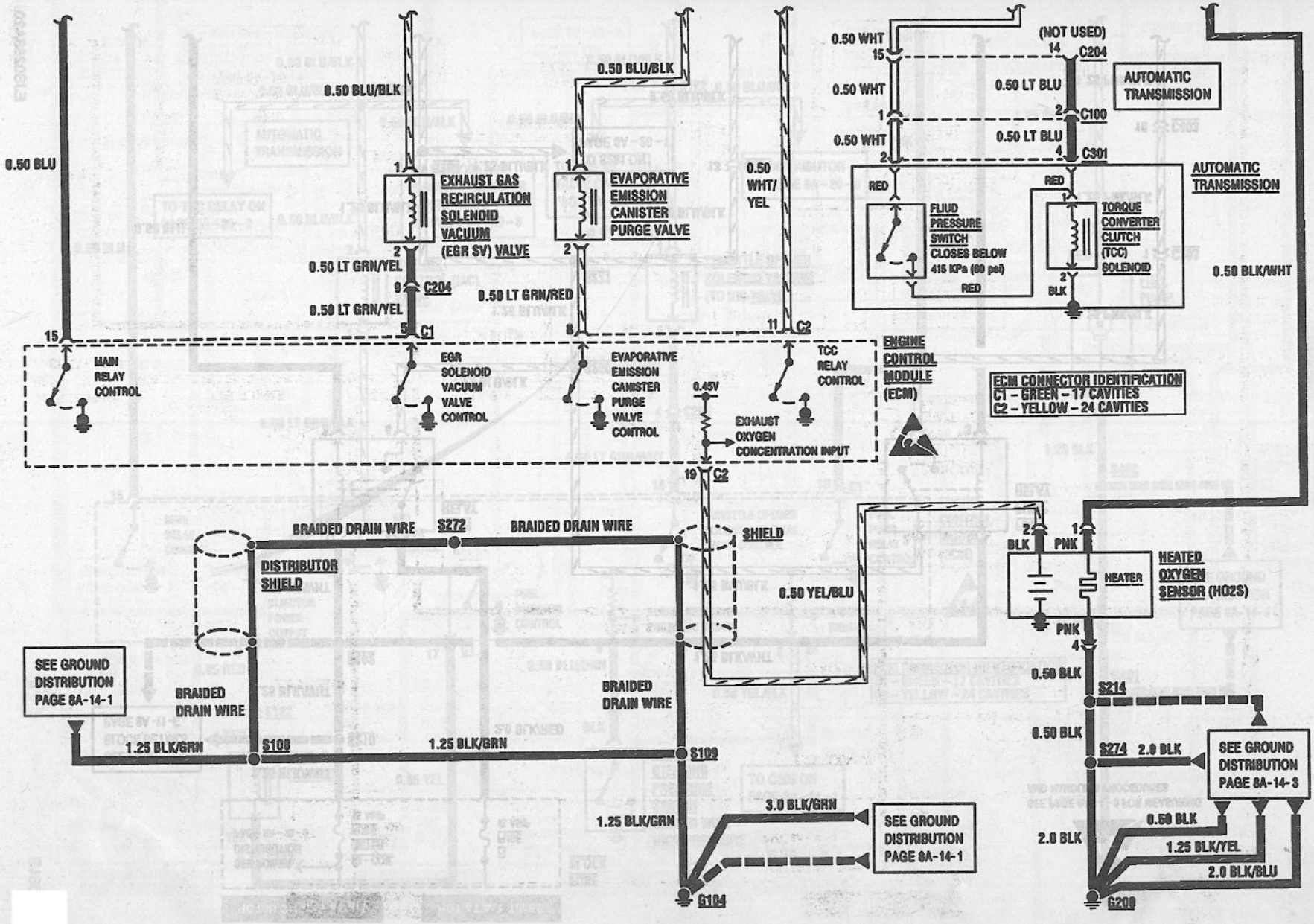



ECM CONNECTOR IDENTIFICATION
C1 – GREEN – 17 CAVITIES
C2 – YELLOW – 24 CAVITIES
0.50 BLK
S221
2.0 BLK
3 C200
SEE GROUND DISTRIBUTION PAGE 8A-14-3
2.0 BLK
S220
2.0 BLK
S230 0.85 BLK
SEE GROUND DISTRIBUTION PAGE 8A-14-3
CANADA
2.0 BLK
S222
0.50 BLK
3
0.50 BLK
SEE GROUND DISTRIBUTION PAGE 8A-14-3
2.0 BLK
2.0 BLK
G201
0.50 PPL/YEL
2 C200
0.50 PPL/YEL
13
0.50 BLU
15
1.25 BLU/BLK
S281
1.25 BLU/BLK
1
1.25 BLU/BLK
7
0.50 WHT
9 C1
ENGINE CONTROL MODULE (ECM)
MALFUNCTION INDICATOR LAMP CONTROL
MAIN RELAY CONTROL
IGNITION POWER INPUT
MEMORY POWER INPUT
SERIAL DATA OUTPUT
5V
12V
TEST SWITCH SIGNAL
12V
DIAGNOSTIC REQUEST SIGNAL
DUTY CHECK OUTPUT
GROUND
9
7
3
20 C2
2
10 C1
0.50 BLU/YEL
S279
0.50 BLU/YEL
0.50 PPL/GRN
2
6 C206
2.0 BLK/GRN
2.0 BLK/BLU
0.50 PPL
0.50 BLU/RED
0.50 BLU/YEL
0.50 BLU/YEL
0.50 PPL/GRN
1
4
2
2
M
S225
DUTY CHECK DATA LINK CONNECTOR (DLC)
REAR WHEEL ANTILOCK (RWAL) BRAKE DATA LINK CONNECTOR (DLC)
DATA LINK CONNECTOR (DLC)
2.0 BLK/GRN
SEE GROUND DISTRIBUTION PAGE 8A-14-1
1.25 BLK/GRN
S226
2.0 BLK/GRN
3.0 BLK/GRN
3.0 BLK
G105
G107

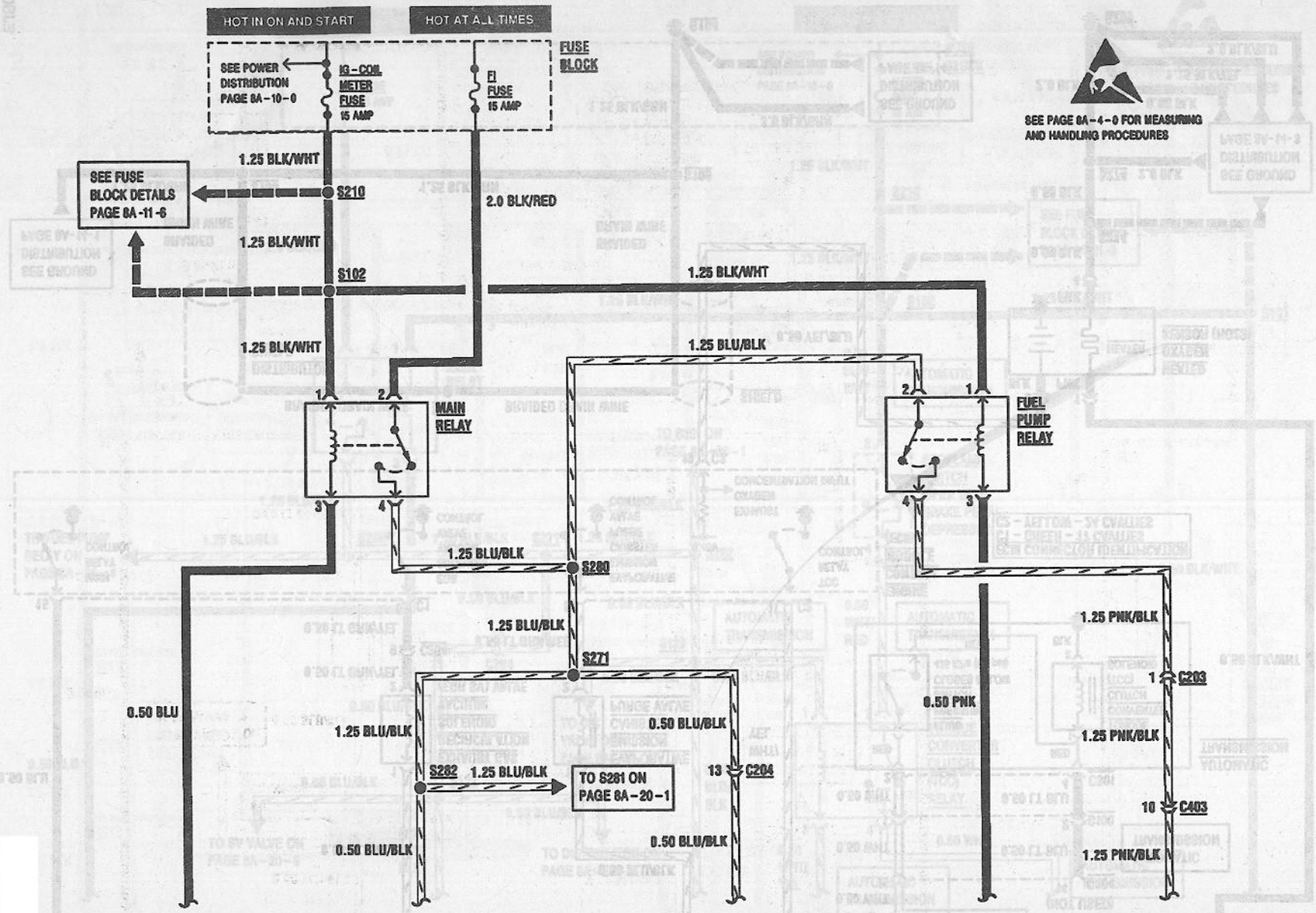
ENGINE CONTROLS: 1.6L VIN U

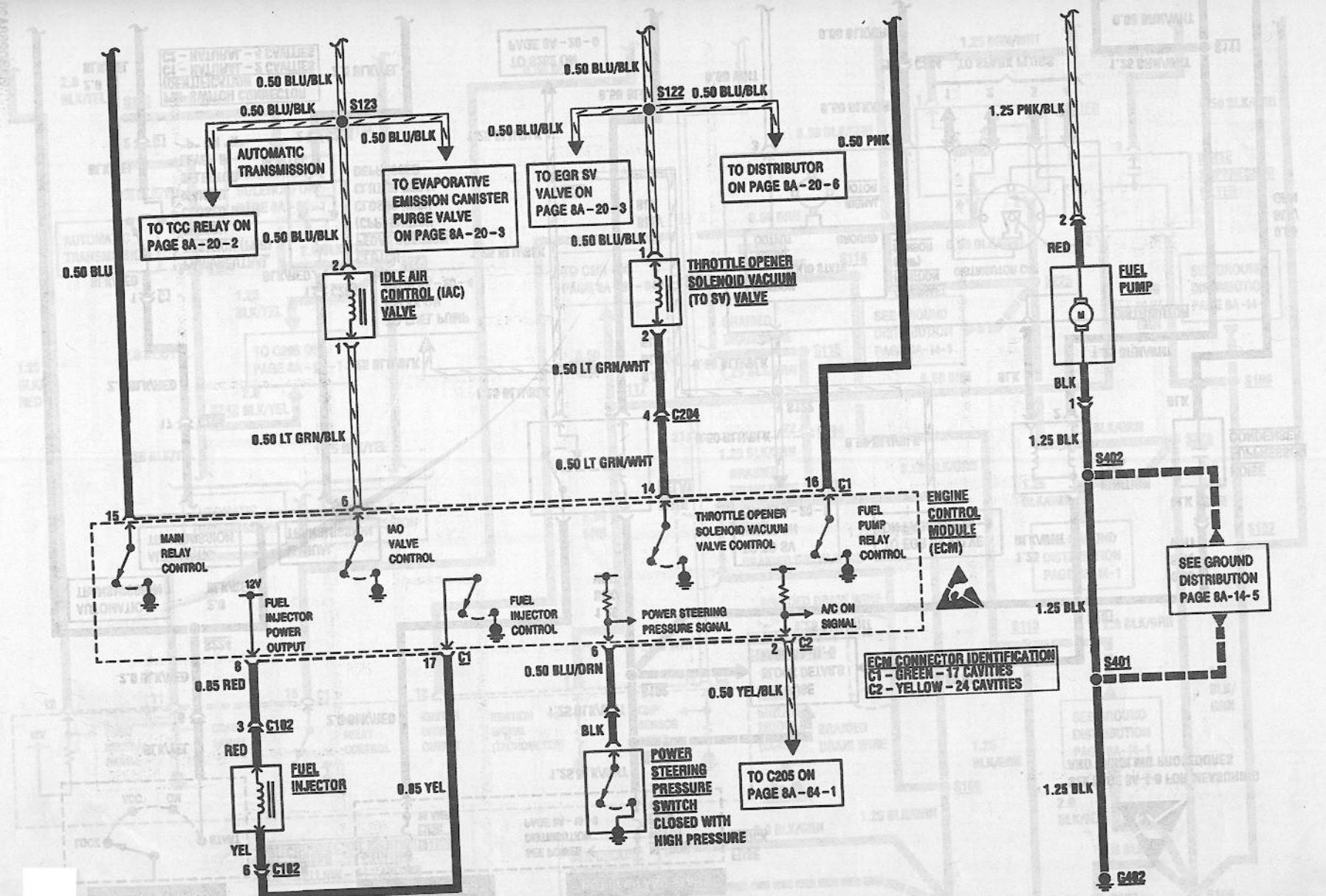
TRANSMISSION AND EMISSION CONTROLS




0.50 BLU
0.50 BLU/BLK
0.50 BLU/BLK
EXHAUST GAS RECIRCULATION SOLENOID VACUUM (EGR SV) VALVE
EVAPORATIVE EMISSION CANISTER PURGE VALVE
0.50 WHT/YEL
0.50 LT GRN/YEL
0.50 LT GRN/YEL
0.50 LT GRN/RED
C204
C1
C2
15
MAIN RELAY CONTROL
EGR SOLENOID VACUUM VALVE CONTROL
EVAPORATIVE EMISSION CANISTER PURGE VALVE CONTROL
0.45V
EXHAUST OXYGEN CONCENTRATION INPUT
TCC RELAY CONTROL
ENGINE CONTROL MODULE (ECM)
ECM CONNECTOR IDENTIFICATION
C1 – GREEN – 17 CAVITIES
C2 – YELLOW – 24 CAVITIES
0.50 WHT
(NOT USED)
C204
0.50 LT BLU
AUTOMATIC TRANSMISSION
0.50 WHT
C100
0.50 LT BLU
0.50 WHT
C301
AUTOMATIC TRANSMISSION
RED
FLUID PRESSURE SWITCH CLOSES BELOW 415 KPa (60 psi)
TORQUE CONVERTER CLUTCH (TCC) SOLENOID
BLK
0.50 BLK/WHT
BRAIDED DRAIN WIRE
S272
BRAIDED DRAIN WIRE
SHIELD
DISTRIBUTOR SHIELD
0.50 YEL/BLU
SEE GROUND DISTRIBUTION PAGE 8A-14-1
BRAIDED DRAIN WIRE
BRAIDED DRAIN WIRE
1.25 BLK/GRN
S108
1.25 BLK/GRN
S109
1.25 BLK/GRN
3.0 BLK/GRN
SEE GROUND DISTRIBUTION PAGE 8A-14-1
G104
BLK
PNK
HEATER
HEATED OXYGEN SENSOR (HO2S)
PNK
0.50 BLK
S214
0.50 BLK
S274
2.0 BLK
SEE GROUND DISTRIBUTION PAGE 8A-14-3
0.50 BLK
2.0 BLK
1.25 BLK/YEL
2.0 BLK/BLU
G200

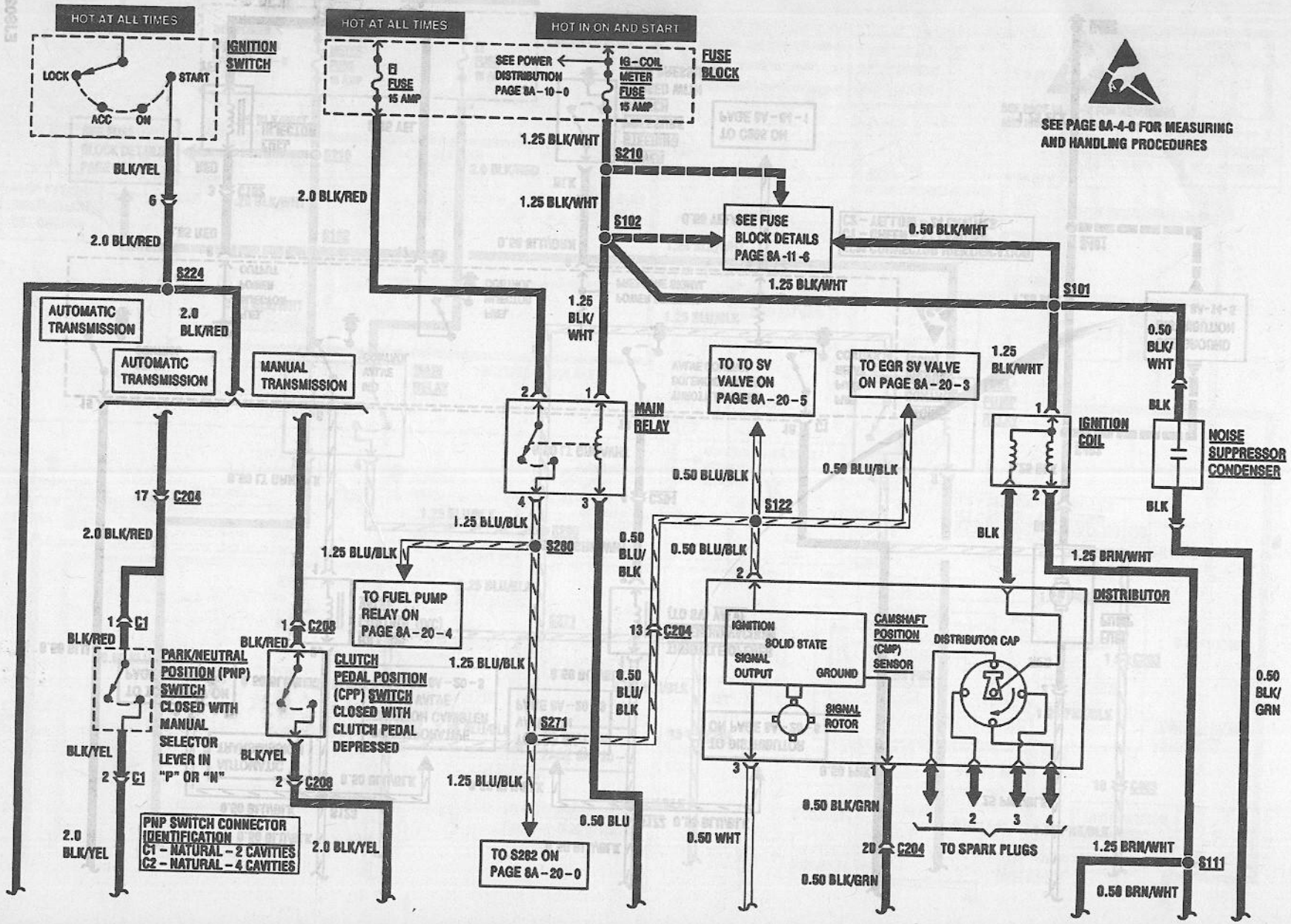
ENGINE CONTROLS: 1.6L VIN U
FUEL PUMP AND IDLE SPEED CONTROLS

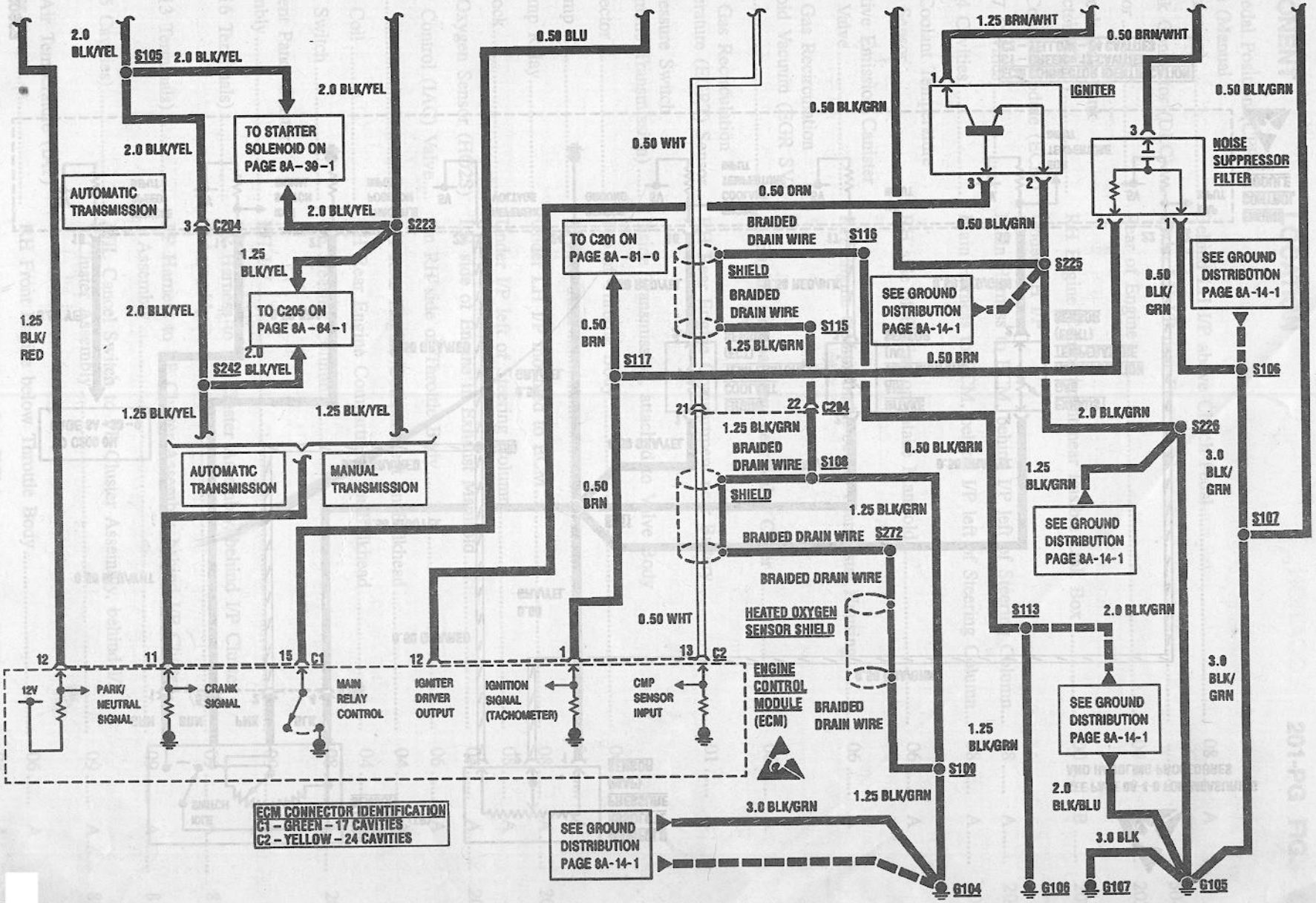


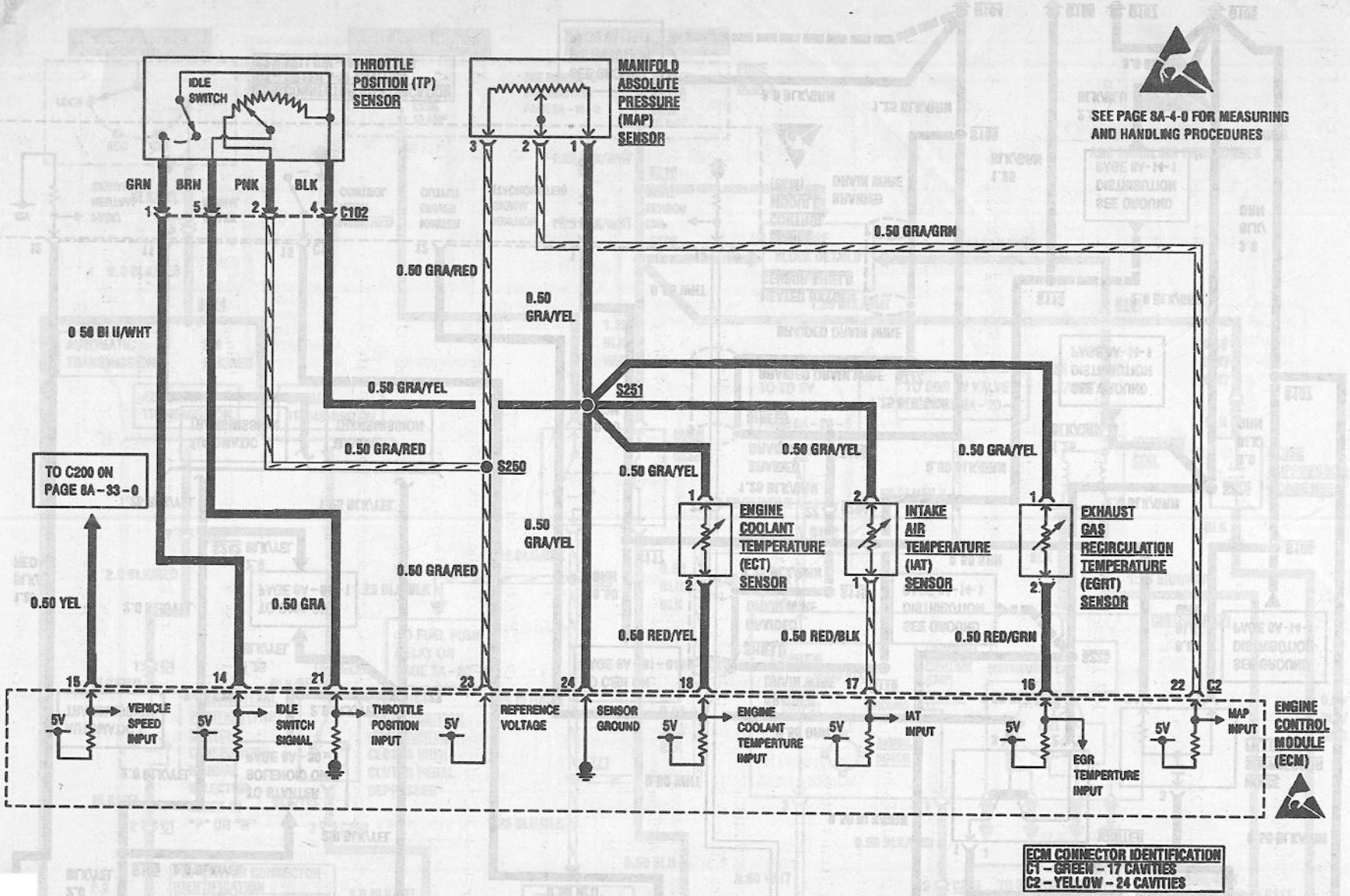

0.50 BLU/BLK
S123
AUTOMATIC TRANSMISSION
TO TCC RELAY ON PAGE 8A-20-2
TO EVAPORATIVE EMISSION CANISTER PURGE VALVE ON PAGE 8A-20-3
0.50 BLU
IDLE AIR CONTROL (IAC) VALVE
0.50 LT GRN/BLK
S122
TO EGR SV VALVE ON PAGE 8A-20-3
TO DISTRIBUTOR ON PAGE 8A-20-6
0.50 PNK
THROTTLE OPENER SOLENOID VACUUM (TO SV) VALVE
0.50 LT GRN/WHT
C204
1.25 PNK/BLK
RED
FUEL PUMP
BLK
1.25 BLK
S402
SEE GROUND DISTRIBUTION PAGE 8A-14-5
S401
G402
C1
C2
ENGINE CONTROL MODULE (ECM)
MAIN RELAY CONTROL
IAO VALVE CONTROL
THROTTLE OPENER SOLENOID VACUUM VALVE CONTROL
FUEL PUMP RELAY CONTROL
12V
FUEL INJECTOR POWER OUTPUT
FUEL INJECTOR CONTROL
POWER STEERING PRESSURE SIGNAL
A/C ON SIGNAL
ECM CONNECTOR IDENTIFICATION
C1 - GREEN - 17 CAVITIES
C2 - YELLOW - 24 CAVITIES
0.85 RED
C102
FUEL INJECTOR
0.85 YEL
YEL
0.50 BLU/ORN
0.50 YEL/BLK
POWER STEERING PRESSURE SWITCH CLOSED WITH HIGH PRESSURE
TO C205 ON PAGE 8A-64-1

ENGINE CONTROLS: 1.6L VIN U

IGNITION




2.0 BLK/YEL
S105
2.0 BLK/YEL
2.0 BLK/YEL
TO STARTER SOLENOID ON PAGE 8A-30-1
2.0 BLK/YEL
AUTOMATIC TRANSMISSION
3
C204
2.0 BLK/YEL
S223
1.25 BLK/YEL
TO C205 ON PAGE 8A-64-1
1.25 BLK/RED
2.0 BLK/YEL
2.0
S242 BLK/YEL
1.25 BLK/YEL
1.25 BLK/YEL
AUTOMATIC TRANSMISSION
MANUAL TRANSMISSION
0.50 BLU
0.50 WHT
0.50 BRN
0.50 BRN
S117
TO C201 ON PAGE 8A-61-0
1.25 BRN/WHT
0.50 BRN/WHT
IGNITER
0.50 BLK/GRN
0.50 BLK/GRN
NOISE SUPPRESSOR FILTER
0.50 ORN
BRAIDED DRAIN WIRE
S116
SHIELD
BRAIDED DRAIN WIRE
S115
1.25 BLK/GRN
SEE GROUND DISTRIBUTION PAGE 8A-14-1
S225
0.50 BLK/GRN
0.50 BRN
SEE GROUND DISTRIBUTION PAGE 8A-14-1
0.50 BLK/GRN
S106
21
22
C204
1.25 BLK/GRN
BRAIDED DRAIN WIRE
S108
SHIELD
1.25 BLK/GRN
BRAIDED DRAIN WIRE
S272
BRAIDED DRAIN WIRE
0.50 WHT
HEATED OXYGEN SENSOR SHIELD
0.50 BLK/GRN
2.0 BLK/GRN
S226
1.25 BLK/GRN
SEE GROUND DISTRIBUTION PAGE 8A-14-1
3.0 BLK/GRN
S107
S113
2.0 BLK/GRN
3.0 BLK/GRN
SEE GROUND DISTRIBUTION PAGE 8A-14-1
12
11
15
C1
12
1
13
C2
12V
PARK/ NEUTRAL SIGNAL
CRANK SIGNAL
MAIN RELAY CONTROL
IGNITER DRIVER OUTPUT
IGNITION SIGNAL (TACHOMETER)
CMP SENSOR INPUT
ENGINE CONTROL MODULE (ECM)
BRAIDED DRAIN WIRE
S109
1.25 BLK/GRN
1.25 BLK/GRN
2.0 BLK/BLU
3.0 BLK
3.0 BLK/GRN
1.25 BLK/GRN
SEE GROUND DISTRIBUTION PAGE 8A-14-1
G104
G106
G107
G105
ECM CONNECTOR IDENTIFICATION
C1 – GREEN – 17 CAVITIES
C2 – YELLOW – 24 CAVITIES

ENGINE CONTROLS: 1.6L VIN U

ENGINE AND VEHICLE DATA SENSORS