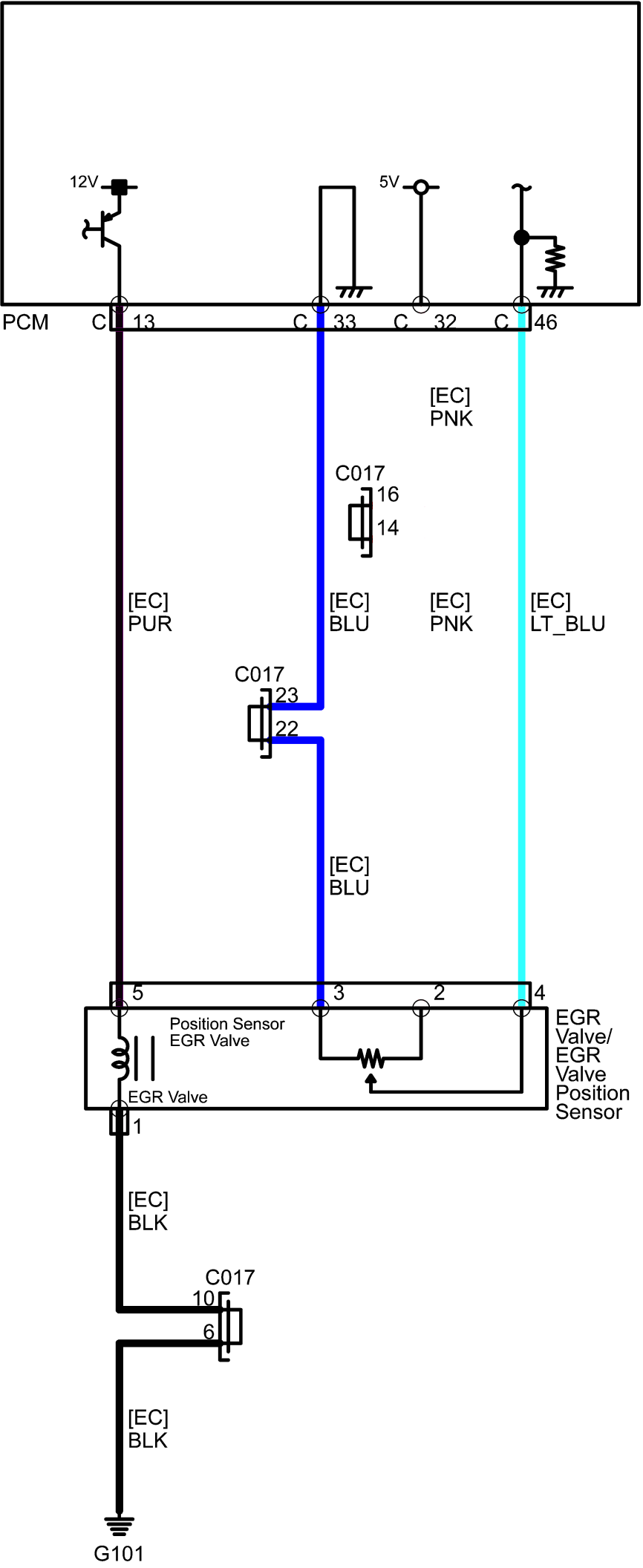
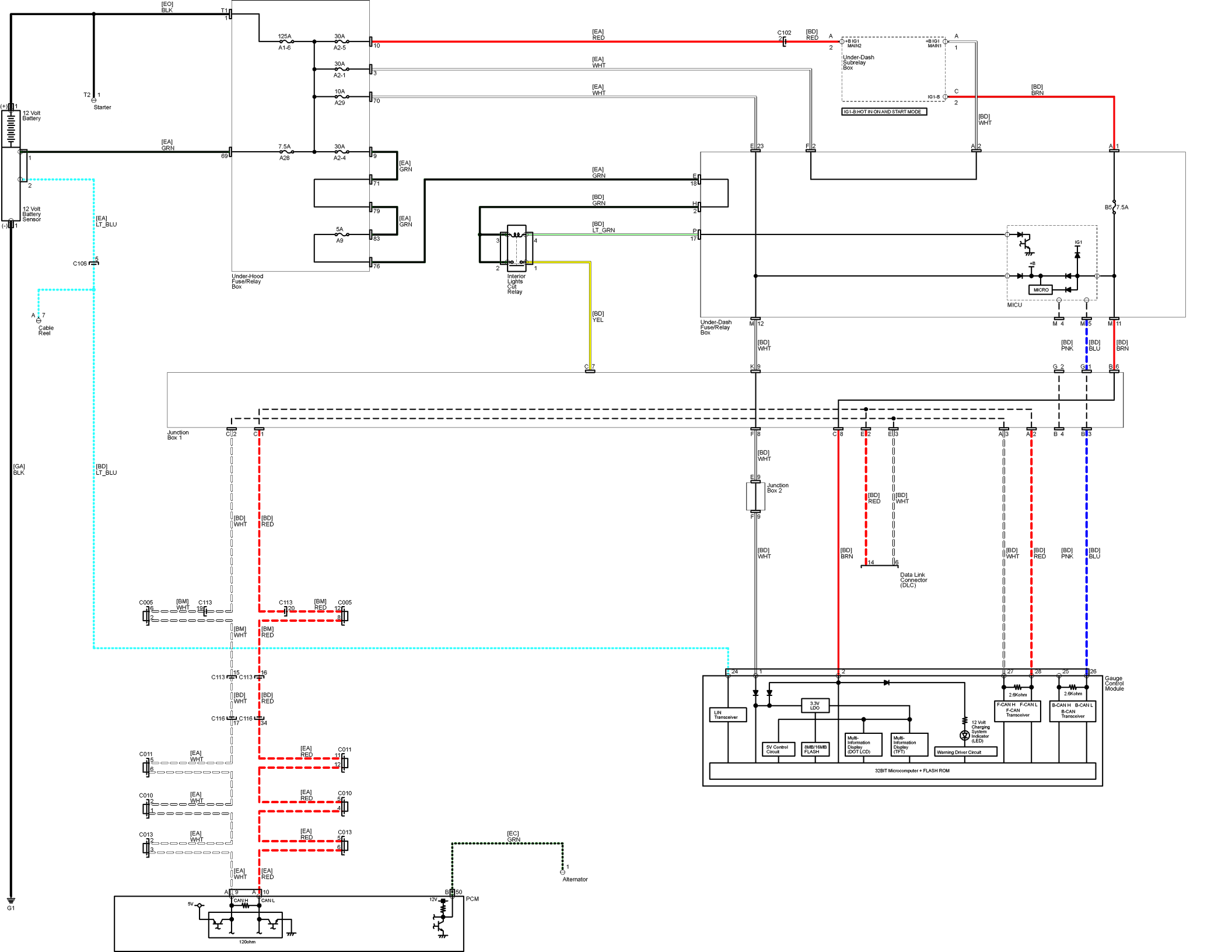
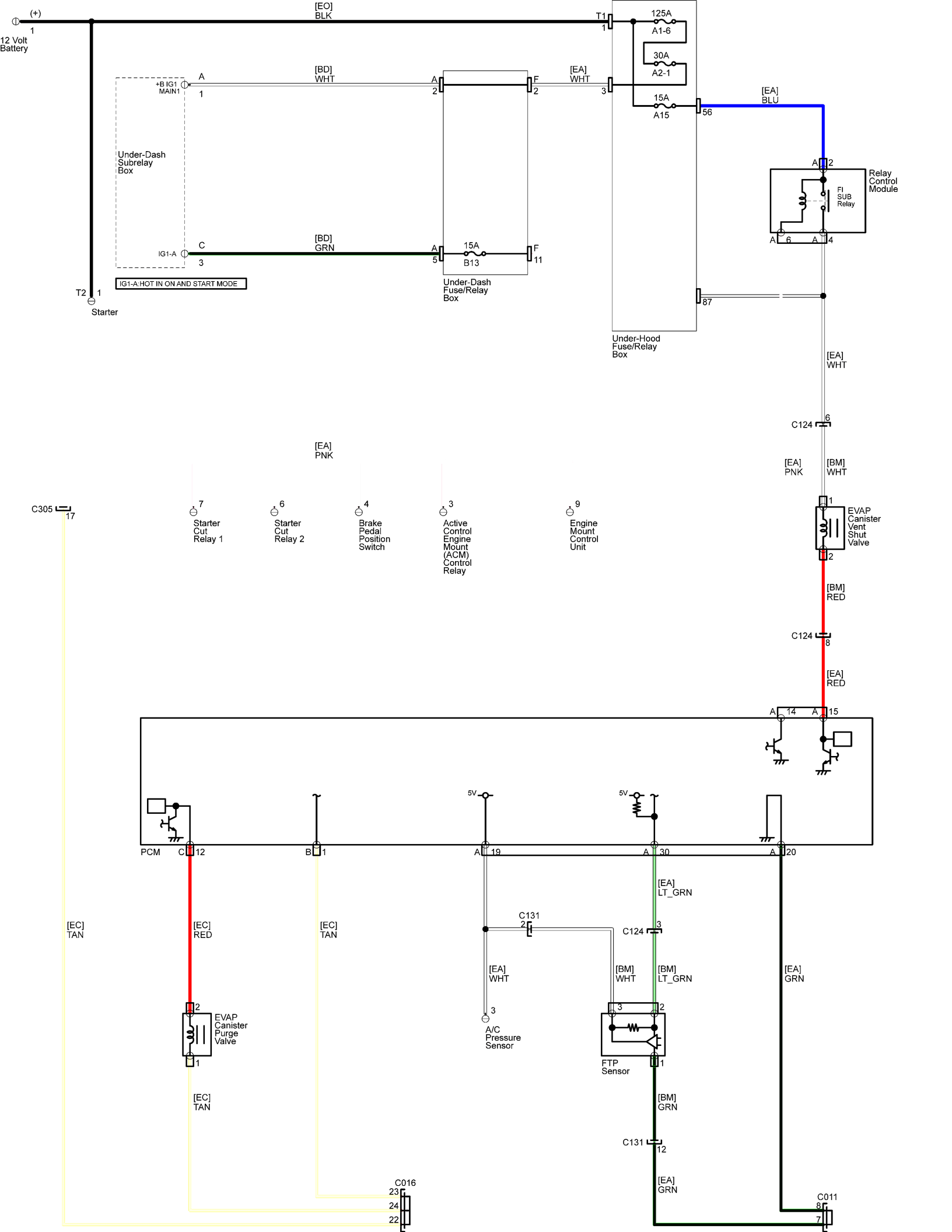
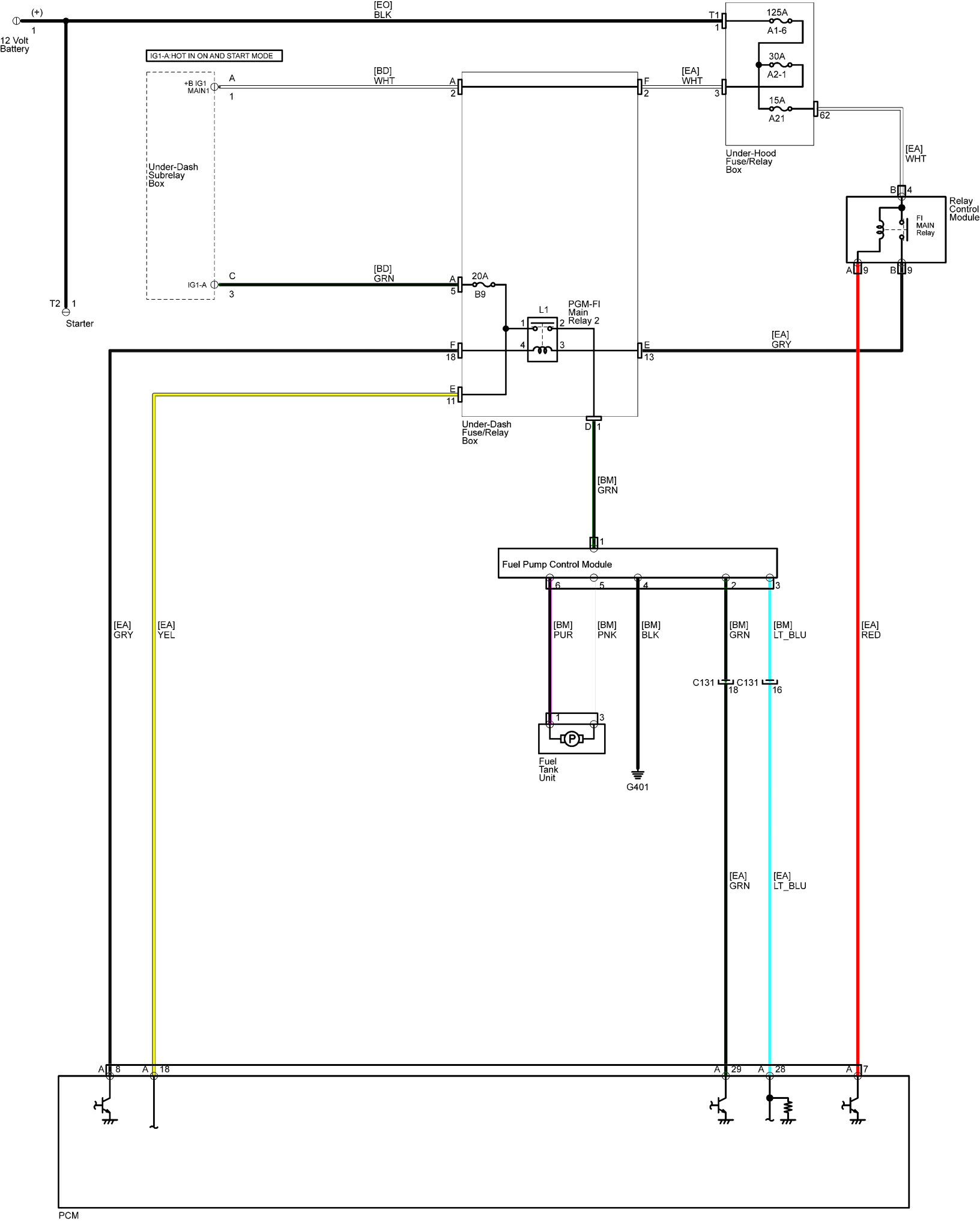
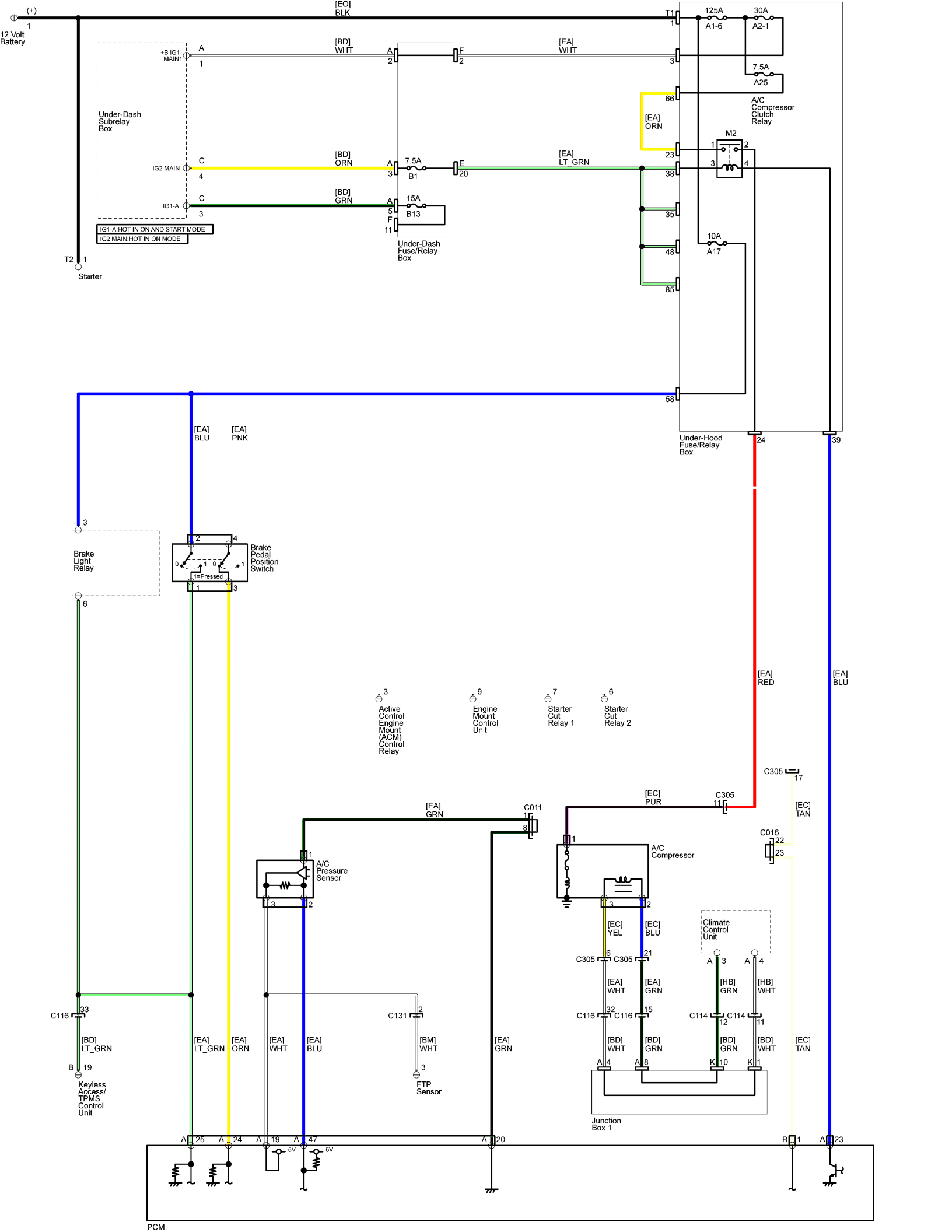
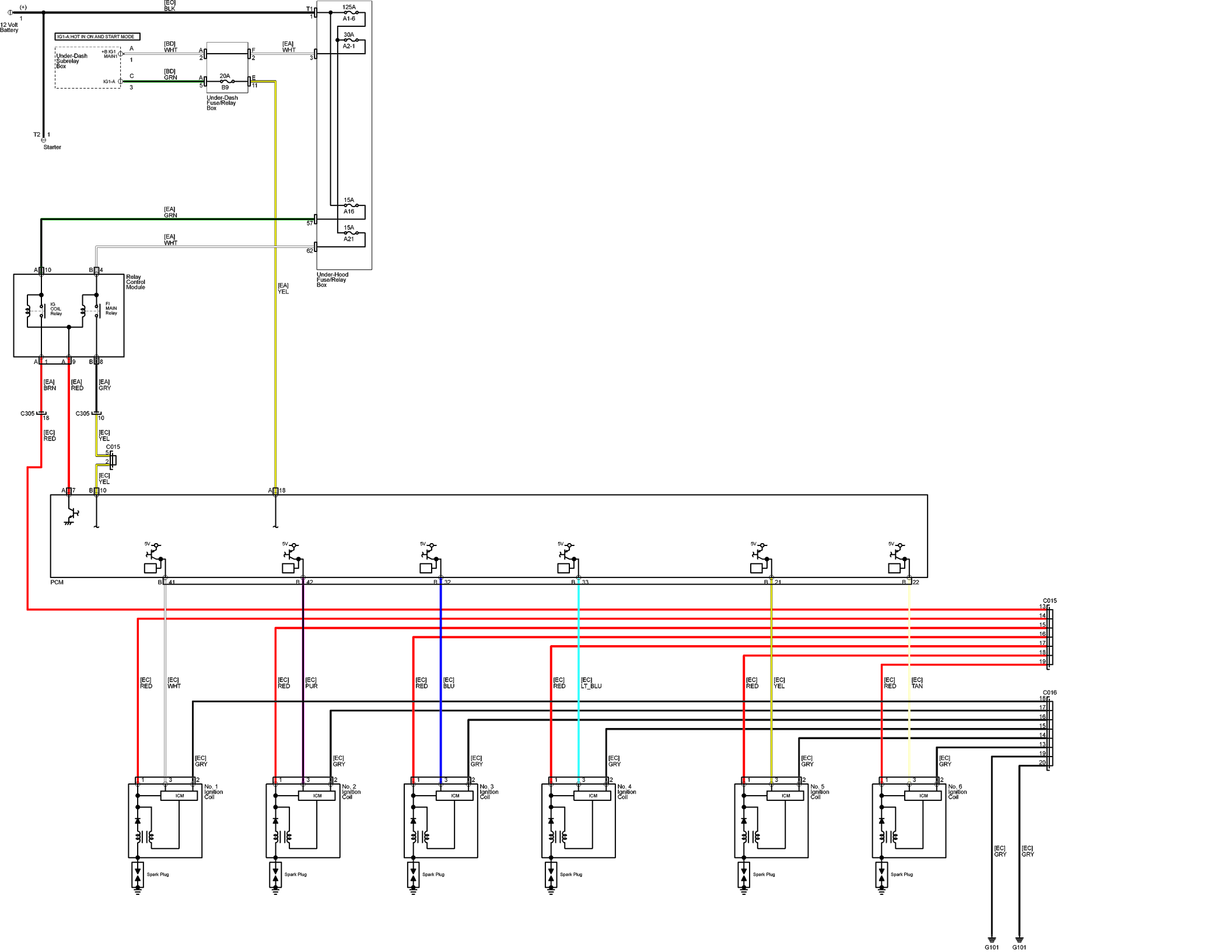

12V
5V
PCM
C
13
C
33
C
32
C
46
[EC]
PNK
C017
16
14
[EC]
PUR
[EC]
BLU
[EC]
PNK
[EC]
LT_BLU
C017
23
22
[EC]
BLU
5
3
2
4
Position Sensor
EGR Valve
EGR Valve
1
EGR
Valve/
EGR
Valve
Position
Sensor
[EC]
BLK
C017
10
6
[EC]
BLK
G101

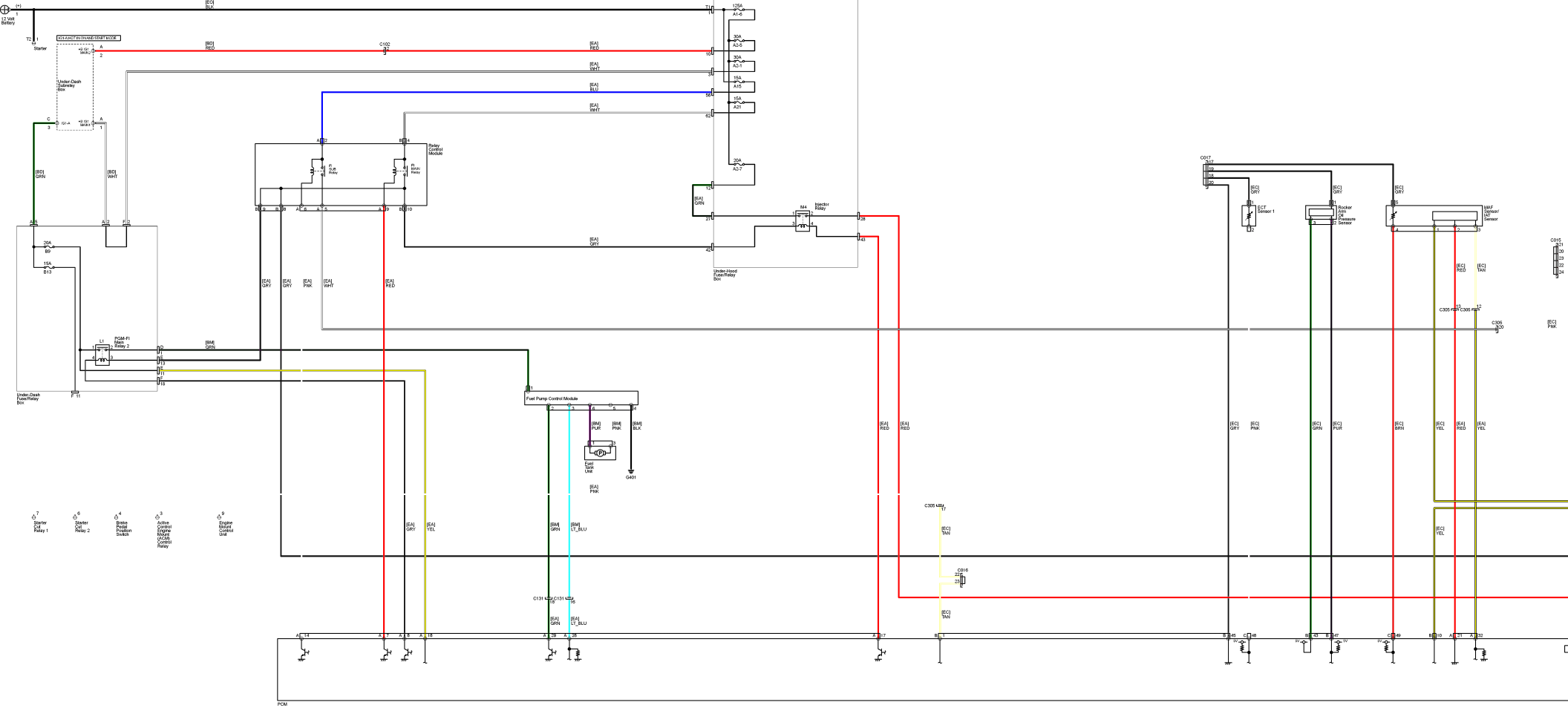

12 Volt Battery
Starter
12 Volt Battery Sensor
Under-Hood Fuse/Relay Box
Interior Lights Cut Relay
Under-Dash Subrelay Box
IG1-B:HOT IN ON AND START MODE
Under-Dash Fuse/Relay Box
MICU
MICRO
Cable Reel
Junction Box 1
Junction Box 2
Data Link Connector (DLC)
Gauge Control Module
LIN Transceiver
3.3V LDO
5V Control Circuit
8MB/16MB FLASH
Multi-Information Display (DOT LCD)
Multi-Information Display (TFT)
12 Volt Charging System Indicator (LED)
Warning Driver Circuit
F-CAN Transceiver
B-CAN Transceiver
2.6Kohm
32BIT Microcomputer + FLASH ROM
CAN H
CAN L
120ohm
PCM
Alternator
G1

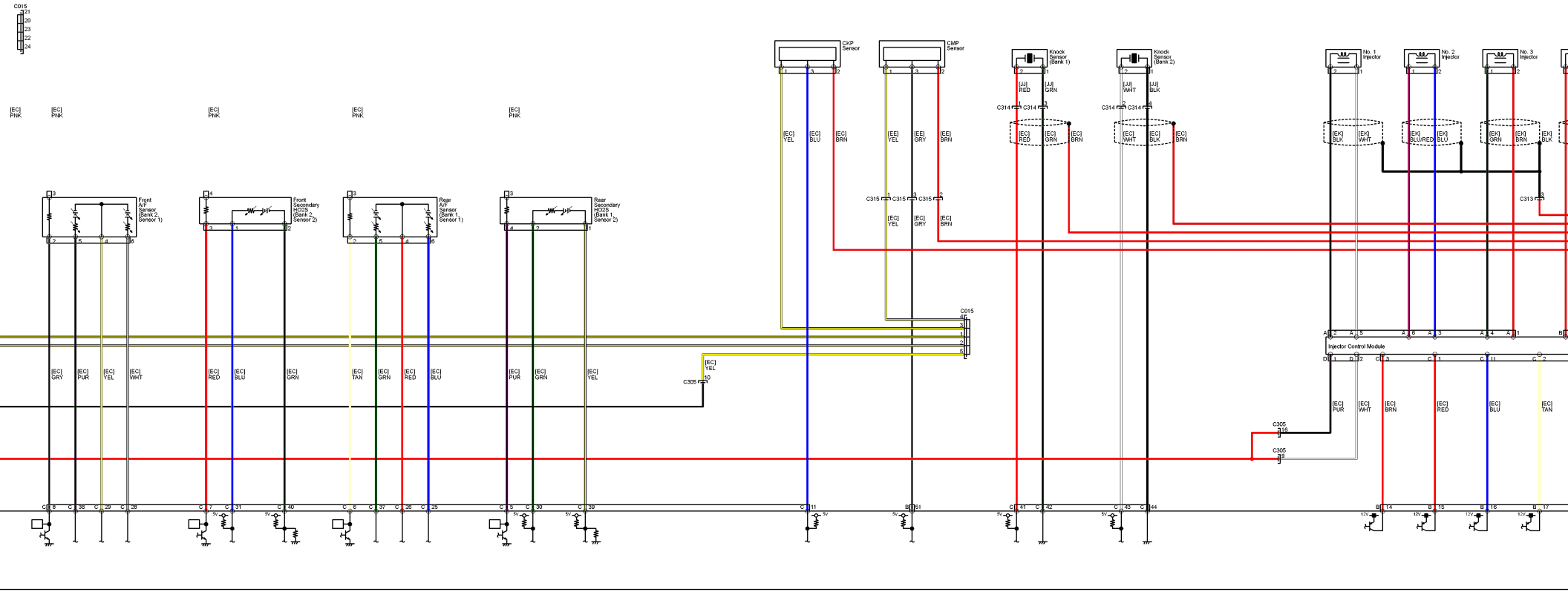

(+)
1
12 Volt Battery
[EO] BLK
T1
1
125A
A1-6
30A
A2-1
15A
A15
56
[EA] BLU
Relay Control Module
FI SUB Relay
A 2
A 6
A 4
+B IG1 MAIN1
A
1
[BD] WHT
A 2
F 2
[EA] WHT
3
Under-Dash Subrelay Box
IG1-A
C
3
[BD] GRN
A 5
15A
B13
F 11
Under-Dash Fuse/Relay Box
IG1-A: HOT IN ON AND START MODE
T2 1
Starter
87
Under-Hood Fuse/Relay Box
[EA] WHT
C124 6
[EA] PNK
[BM] WHT
C305 17
7
Starter Cut Relay 1
6
Starter Cut Relay 2
4
Brake Pedal Position Switch
3
Active Control Engine Mount (ACM) Control Relay
9
Engine Mount Control Unit
1
EVAP Canister Vent Shut Valve
2
[BM] RED
C124 8
[EA] RED
A 14
A 15
PCM
C 12
B 1
A 19
A 30
A 20
5V
5V
[EA] LT_GRN
C131 2
C124 3
[EC] TAN
[EC] RED
[EC] TAN
[EA] WHT
[BM] WHT
[BM] LT_GRN
[EA] GRN
2
EVAP Canister Purge Valve
1
3
A/C Pressure Sensor
3
2
FTP Sensor
1
[EC] TAN
[BM] GRN
C131 12
[EA] GRN
C016
23
24
22
C011
8
7

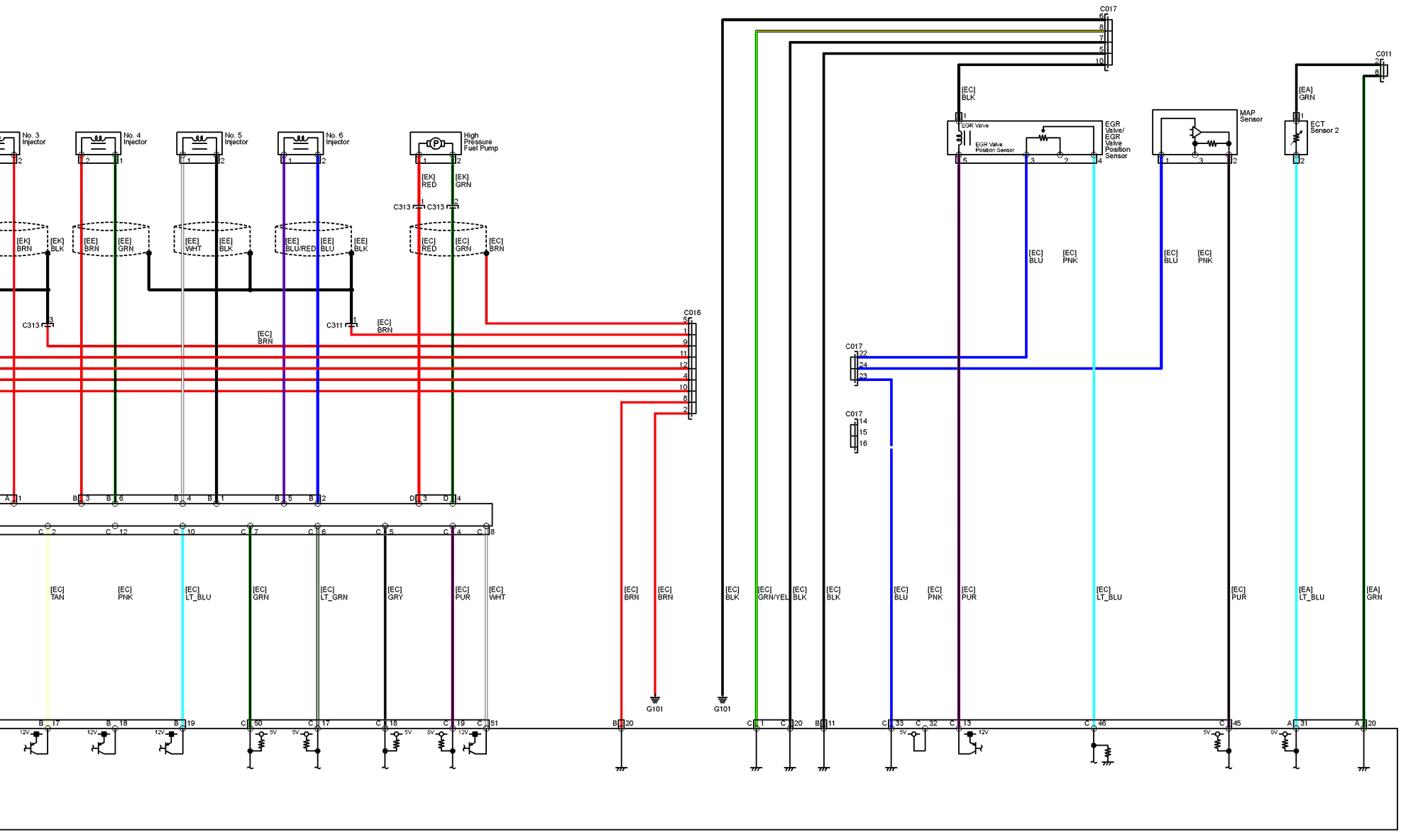

(+)
1
12 Volt Battery
[EO] BLK
T1
1
125A
A1-6
30A
A2-1
15A
A21
62
IG1-A:HOT IN ON AND START MODE
+B IG1 MAIN1
A
1
[BD] WHT
A
2
F
2
[EA] WHT
3
Under-Dash Subrelay Box
Under-Hood Fuse/Relay Box
[EA] WHT
B
4
Relay Control Module
FI MAIN Relay
A
9
B
9
IG1-A
C
3
[BD] GRN
A
5
20A
B9
T2
1
Starter
L1
PGM-FI Main Relay 2
1
2
4
3
F
18
E
13
[EA] GRY
E
11
Under-Dash Fuse/Relay Box
D
1
[BM] GRN
1
Fuel Pump Control Module
6
5
4
2
3
[BM] PUR
[BM] PNK
[BM] BLK
[BM] GRN
[BM] LT_BLU
[EA] RED
[EA] GRY
[EA] YEL
C131
18
C131
16
1
3
Fuel Tank Unit
G401
[EA] GRN
[EA] LT_BLU
A
8
A
18
A
29
A
28
A
17
PCM

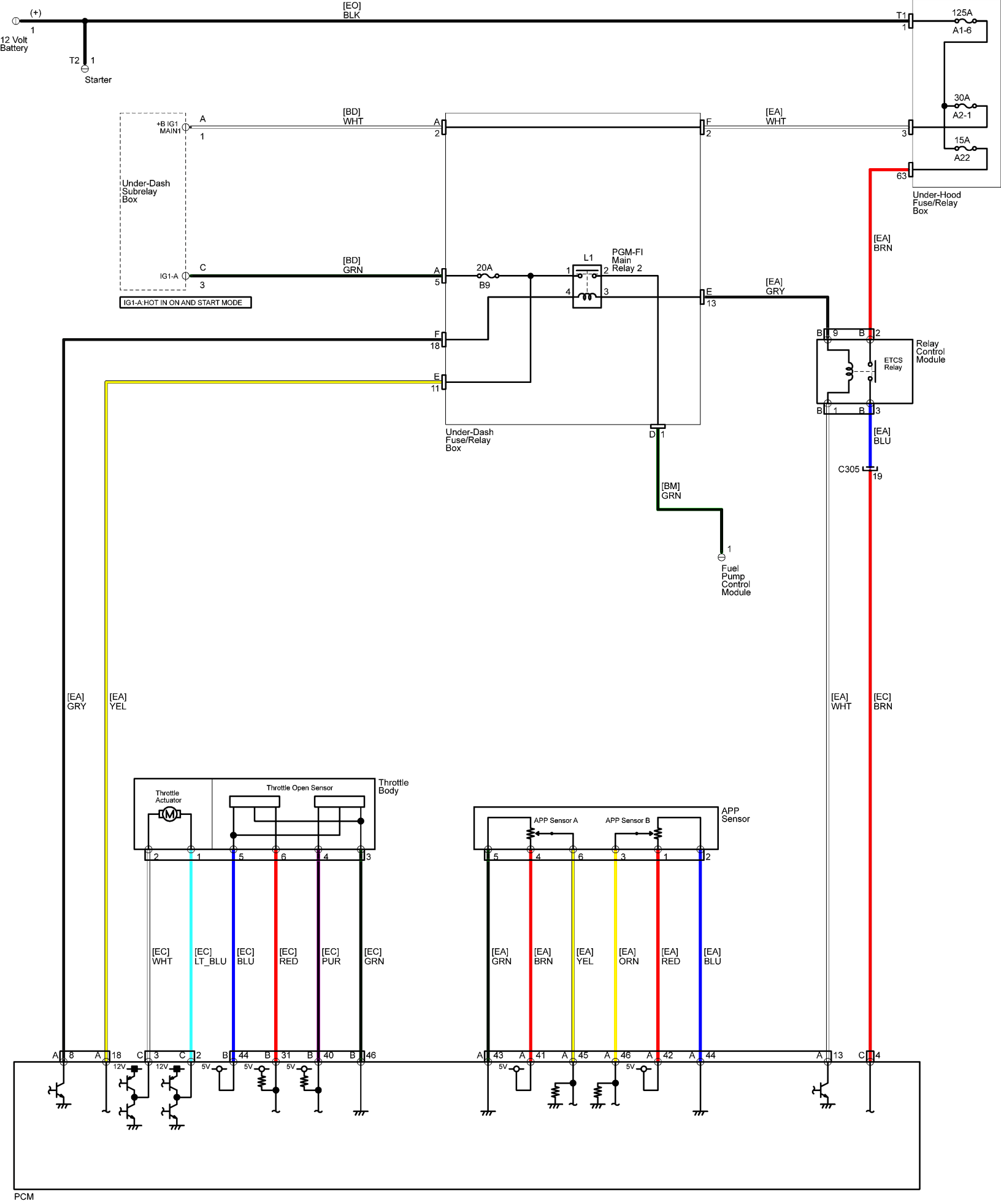

(+)
1
12 Volt Battery
[EO] BLK
T1
1
125A
A1-6
30A
A2-1
7.5A
A25
A/C Compressor Clutch Relay
M2
+B IG1 MAIN1
A
1
[BD] WHT
A
2
F
2
[EA] WHT
3
66
[EA] ORN
23
Under-Dash Subrelay Box
IG2 MAIN
C
4
[BD] ORN
A
3
7.5A
B1
E
20
[EA] LT_GRN
38
IG1-A
C
3
[BD] GRN
A
5
15A
B13
F
11
35
48
85
10A
A17
IG1-A:HOT IN ON AND START MODE
IG2 MAIN:HOT IN ON MODE
Under-Dash Fuse/Relay Box
T2
1
Starter
58
[EA] BLU
[EA] PNK
Under-Hood Fuse/Relay Box
24
39
3
Brake Light Relay
6
Brake Pedal Position Switch
1=Pressed
[EA] RED
[EA] BLU
Active Control Engine Mount (ACM) Control Relay
Engine Mount Control Unit
Starter Cut Relay 1
Starter Cut Relay 2
C305
17
[EC] PUR
C305
11
[EC] TAN
C016
22
23
[EA] GRN
C011
1
8
A/C Pressure Sensor
A/C Compressor
[EC] YEL
[EC] BLU
Climate Control Unit
C305
6
C305
21
A
3
A
4
[EA] WHT
[EA] GRN
[HB] GRN
[HB] WHT
C116
32
C116
15
C114
12
C114
11
[BD] WHT
[BD] GRN
[BD] GRN
[BD] WHT
[EC] TAN
A
4
A
8
K
10
K
1
Junction Box 1
C116
33
[BD] LT_GRN
B
19
Keyless Access/ TPMS Control Unit
[EA] LT_GRN
[EA] ORN
[EA] WHT
[EA] BLU
C131
2
[BM] WHT
3
FTP Sensor
[EA] GRN
A
25
A
24
A
19
5V
A
47
5V
A
20
B
1
A
23
PCM

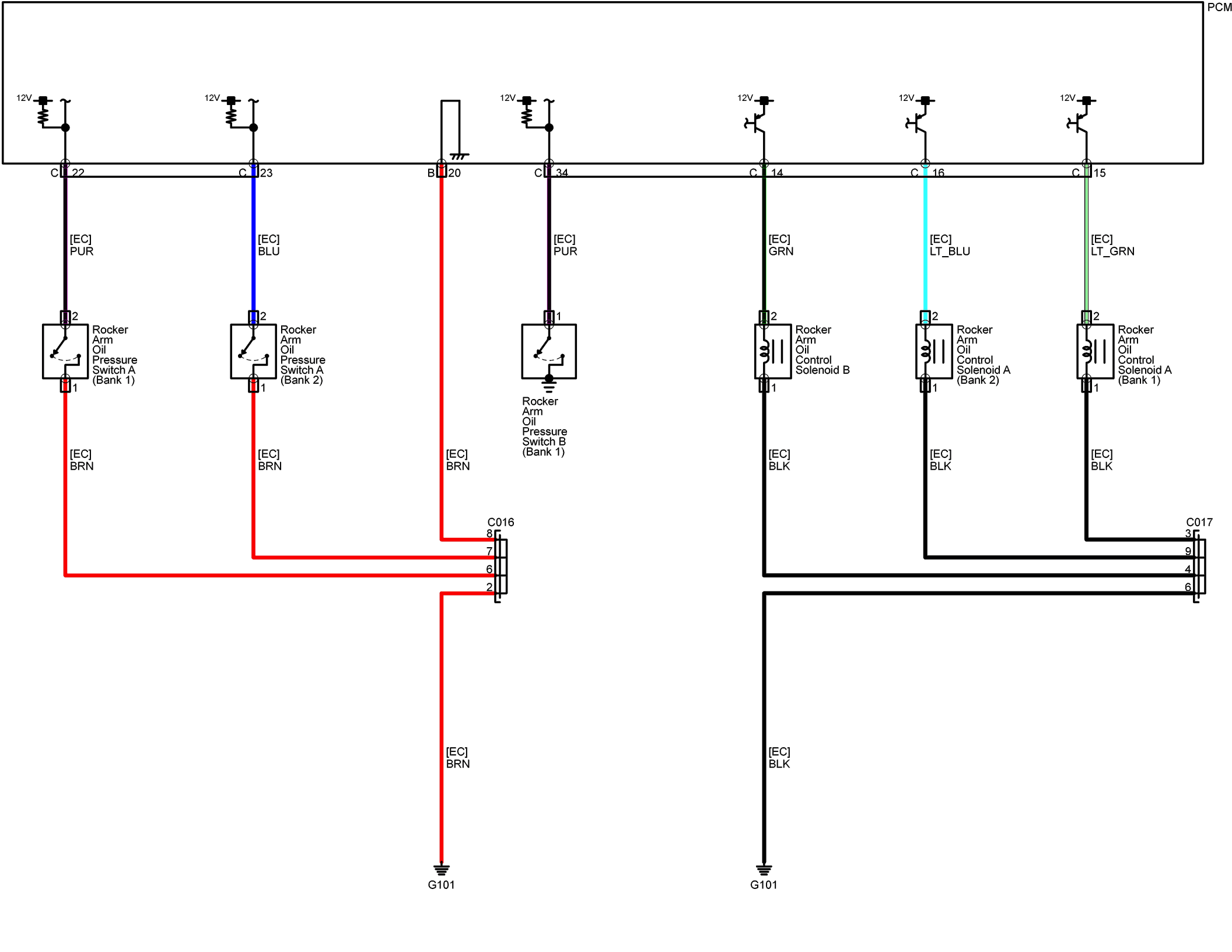

12 Volt Battery
IG1-A HOT IN ON AND START MODE
Under-Dash Subrelay Box
Under-Dash Fuse/Relay Box
Under-Hood Fuse/Relay Box
Starter
Relay Control Module
IG COIL Relay
FI MAIN Relay
PCM
ICM
No. 1 Ignition Coil
No. 2 Ignition Coil
No. 3 Ignition Coil
No. 4 Ignition Coil
No. 5 Ignition Coil
No. 6 Ignition Coil
Spark Plug
125A A1-6
30A A2-1
15A A16
15A A21
20A B9
[EC] BLK
[BD] WHT
[BD] GRN
[EA] WHT
[EA] GRN
[EA] YEL
[EA] BRN
[EA] RED
[EA] GRY
[EC] RED
[EC] YEL
[EC] WHT
[EC] PUR
[EC] BLU
[EC] LT_BLU
[EC] TAN
[EC] GRY
C305
C015
C016
G101


12 Volt Battery
Starter
Under-Dash Subrelay Box
Relay Control Module
Fuel Pump Control Module
Fuel Tank Unit
Under-Hood Fuse/Relay Box
Injector Relay
EGT Sensor 1
Rocker Arm Oil Pressure Sensor
MAF Sensor/ IAT Sensor
PGM-FI Main Relay 2
Starter Cut Relay 1
Starter Cut Relay 2
Brake Pedal Position Switch
Active Control Engine Mount (ACM) Control Relay
Engine Mount Control Unit
PCM


C015
21
20
23
22
24
[EC] PNK
[EC] PNK
[EC] PNK
[EC] PNK
[EC] PNK
Front A/F Sensor (Bank 2 Sensor 1)
Front Secondary HO2S (Bank 2 Sensor 2)
Rear A/F Sensor (Bank 1 Sensor 1)
Rear Secondary HO2S (Bank 1 Sensor 2)
CKP Sensor
CMP Sensor
Knock Sensor (Bank 1)
Knock Sensor (Bank 2)
No. 1 Injector
No. 2 Injector
No. 3 Injector
Injector Control Module
[EC] GRY
[EC] PUR
[EC] YEL
[EC] WHT
[EC] RED
[EC] BLU
[EC] GRN
[EC] TAN
[EC] GRN
[EC] RED
[EC] BLU
[EC] PUR
[EC] GRN
[EC] YEL
[EC] YEL
C305
10
[EC] YEL
[EC] BLU
[EC] BRN
[EE] YEL
[EE] GRY
[EE] BRN
C315
[EC] YEL
[EC] GRY
[EC] BRN
[JJ] RED
[JJ] GRN
C314
[EC] RED
[EC] GRN
[EC] BRN
[JJ] WHT
[JJ] BLK
C314
[EC] WHT
[EC] BLK
[EC] BRN
[EK] BLK
[EK] WHT
[EK] BLU/RED
[EK] BLU
[EK] GRN
[EK] BRN
[EK] BLK
C313
C305
16
C305
9
[EC] PUR
[EC] WHT
[EC] BRN
[EC] RED
[EC] BLU
[EC] TAN
5V
12V


No. 3 Injector
No. 4 Injector
No. 5 Injector
No. 6 Injector
High Pressure Fuel Pump
EGR Valve
EGR Valve/ EGR Valve Position Sensor
EGR Valve Position Sensor
MAP Sensor
ECT Sensor 2
C313
C311
C016
C017
C011
G101
[EK] BRN
[EK] BLK
[EK] RED
[EK] GRN
[EE] BRN
[EE] GRN
[EE] WHT
[EE] BLK
[EE] BLU/RED
[EE] BLU
[EC] RED
[EC] GRN
[EC] BRN
[EC] BLK
[EC] BLU
[EC] PNK
[EA] GRN
[EC] TAN
[EC] LT_BLU
[EC] GRN
[EC] LT_GRN
[EC] GRY
[EC] PUR
[EC] WHT
[EC] GRN/YEL
[EC] LT_BLU
[EA] LT_BLU
12V
5V


(+)
1
12 Volt Battery
[EO] BLK
T2 1
Starter
T1 1
125A A1-6
30A A2-1
15A A22
63
Under-Hood Fuse/Relay Box
+B IG1 MAIN1
A 1
[BD] WHT
A 2
F 2
[EA] WHT
3
Under-Dash Subrelay Box
IG1-A
C 3
[BD] GRN
A 5
20A B9
L1
PGM-FI Main Relay 2
1 2 4 3
E 13
[EA] GRY
[EA] BRN
IG1-A:HOT IN ON AND START MODE
F 18
E 11
Under-Dash Fuse/Relay Box
D 1
[BM] GRN
1
Fuel Pump Control Module
B 9 B 2
B 1 B 3
Relay Control Module
ETCS Relay
[EA] BLU
C305 19
[EA] GRY
[EA] YEL
[EA] WHT
[EC] BRN
Throttle Actuator
Throttle Open Sensor
Throttle Body
2 1 5 6 4 3
APP Sensor A
APP Sensor B
APP Sensor
5 4 6 3 1 2
[EC] WHT
[EC] LT_BLU
[EC] BLU
[EC] RED
[EC] PUR
[EC] GRN
[EA] GRN
[EA] BRN
[EA] YEL
[EA] ORN
[EA] RED
[EA] BLU
A 8 A 18 C 3 C 2 B 44 B 31 B 40 B 46
A 43 A 41 A 45 A 46 A 42 A 44 A 13 C 4
12V
5V
PCM


PCM
12V
12V
12V
12V
12V
12V
C 22
C 23
B 20
C 34
C 14
C 16
C 15
[EC] PUR
[EC] BLU
[EC] PUR
[EC] GRN
[EC] LT_BLU
[EC] LT_GRN
2
2
1
2
2
2
Rocker Arm Oil Pressure Switch A (Bank 1)
Rocker Arm Oil Pressure Switch A (Bank 2)
Rocker Arm Oil Pressure Switch B (Bank 1)
Rocker Arm Oil Control Solenoid B
Rocker Arm Oil Control Solenoid A (Bank 2)
Rocker Arm Oil Control Solenoid A (Bank 1)
1
1
1
1
1
1
[EC] BRN
[EC] BRN
[EC] BRN
[EC] BLK
[EC] BLK
[EC] BLK
C016
8
7
6
2
C017
3
9
4
6
[EC] BRN
[EC] BLK
G101
G101