MODELS

VEHICLES FOR G.C.C.

Model code		Engine model	Transmission model	Fuel supply system
F36A	TNHELJW	6G72-SOHC (2,972 mℓ)	F5M51 (2WD-5M/T)	MPI
	TNXELJW			
	TRHELJW		F4A51 (2WD-4 A/T)	
	TRXELJW			

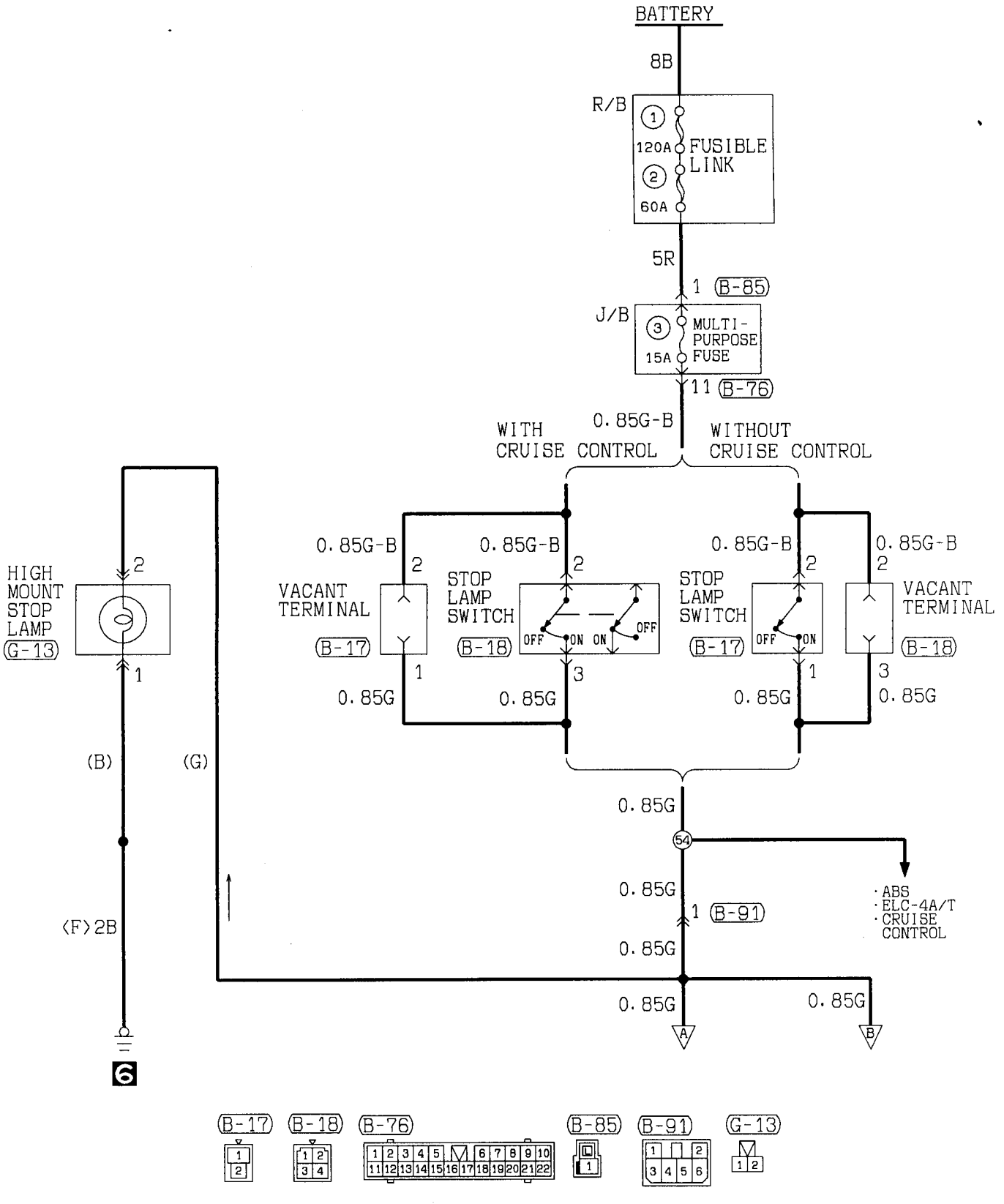
VEHICLES FOR GENERAL EXPORT

Model	Model code		Engine model	Transmission model	Fuel supply system
Except vehicles for Hong Kong	F36A	TRHERJ1	6G72-SOHC (2,972 mℓ)	F4A51 (2WD-4 A/T)	MPI
		TRXERJ1			
Vehicles for Hong Kong	F36A	TRHERJD	6G72-SOHC (2,972 mℓ)	F4A51 (2WD-4 A/T)	MPI
		TRXERJD			

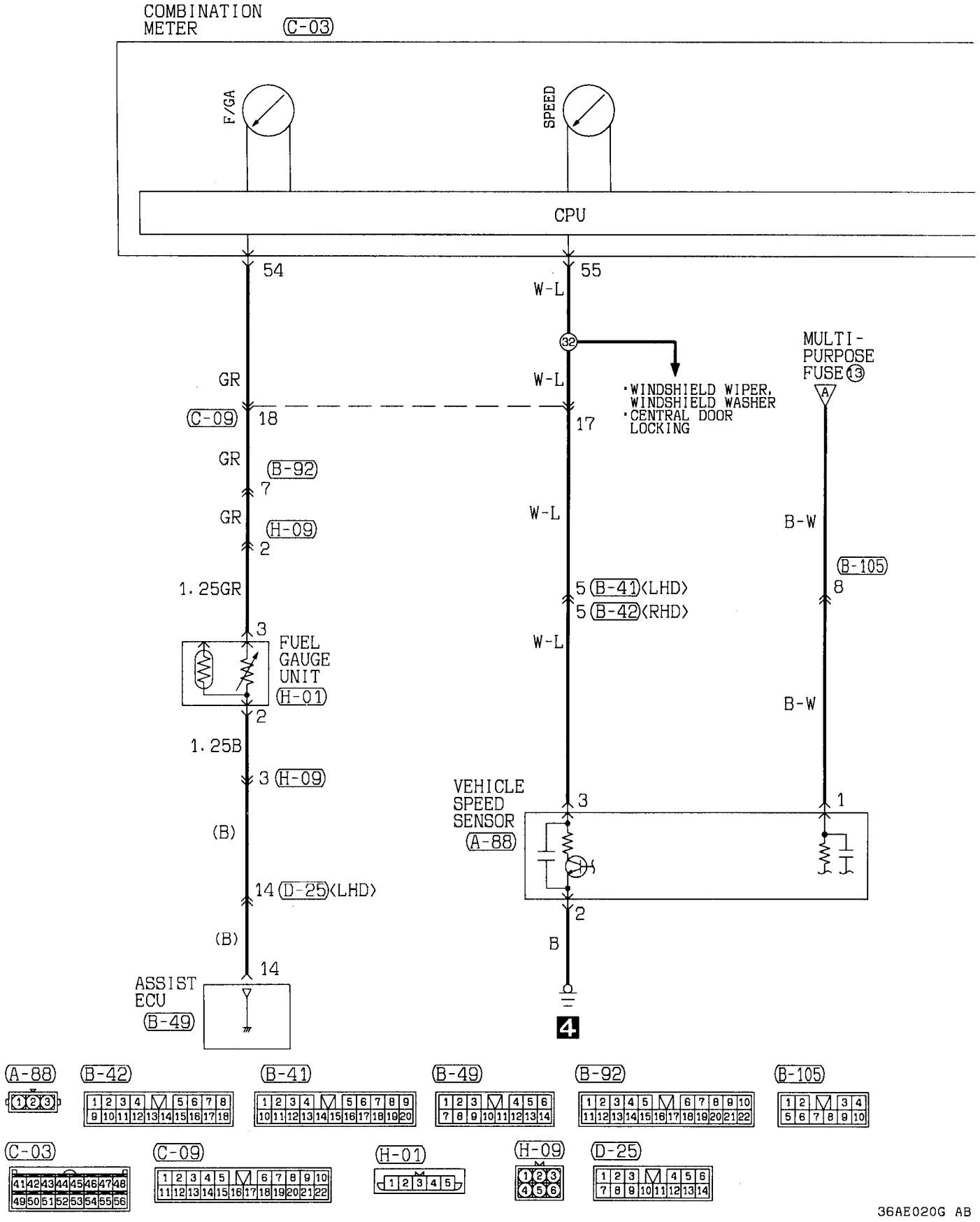
VEHICLES FOR CHINA

Model code		Engine model	Transmission model	Fuel supply system
F36A	TNXELJC	6G72-SOHC (2,972 mℓ)	F5M51 (2WD-5 M/T)	MPI
	TRXELJC		F4A51 (2WD-4 A/T)	

STOP LAMP


BATTERY
8B
R/B
120A FUSIBLE LINK
60A
5R
1 B-85
J/B
MULTI-PURPOSE FUSE
15A
11 B-76
0.85G-B
WITH CRUISE CONTROL
WITHOUT CRUISE CONTROL
HIGH MOUNT STOP LAMP G-13
VACANT TERMINAL B-17
STOP LAMP SWITCH B-18
STOP LAMP SWITCH B-17
VACANT TERMINAL B-18
0.85G
(B)
(G)
(F)2B
6
54
1 B-91
·ABS
·ELC-4A/T
·CRUISE CONTROL
A
B
B-17
B-18
B-76
B-85
B-91
G-13

METER <High Contrast Meter> (CONTINUED)



36AE020G AB

HOW TO READ CONFIGURATION DIAGRAMS

The wiring harness diagrams clearly show the connector locations and harness routings at each site on actual vehicles.

Denotes connector No.
The same connector No. is used throughout the circuit diagrams to facilitate connector location searches.
The first alphabetical symbol indicates the location site of the connector to parts in clockwise order on the diagram.
In addition, the number of connector wires and the connector colour (except milk white)* are shown for ease of retrieval.

Example: A-77 (5-B)

- A-77: Connector location site symbol
- 77: Number specific to connector (serial number)
- 5: Number of connector wires
- B: Connector colour (milk white if no colour is indicated)

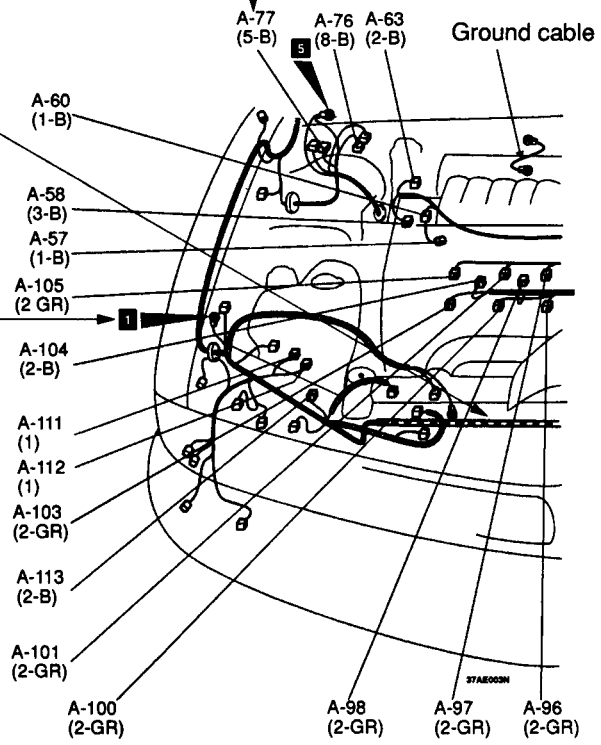
Connector location site symbol
- A : Engine compartment
- B : Dash panel
- C : Instrument panel
- D : Floor and roof
- E : Seat
- F : Door
- G : Luggage compartment
- H : Rear floor lower section

*: Typical connector colours
- B : Black
- Y : Yellow
- L : Blue
- G : Green
- R : Red
- BR : Brown
- V : Violet
- O : Orange
- GR : Gray

Denotes a section covered by a corrugated tube.

Denotes earth point.
Same earth number is used throughout circuit diagrams to facilitate search of earth point. Refer to P.3-14 for details of earth points.

Indicates the device to which the connector is to be connected.



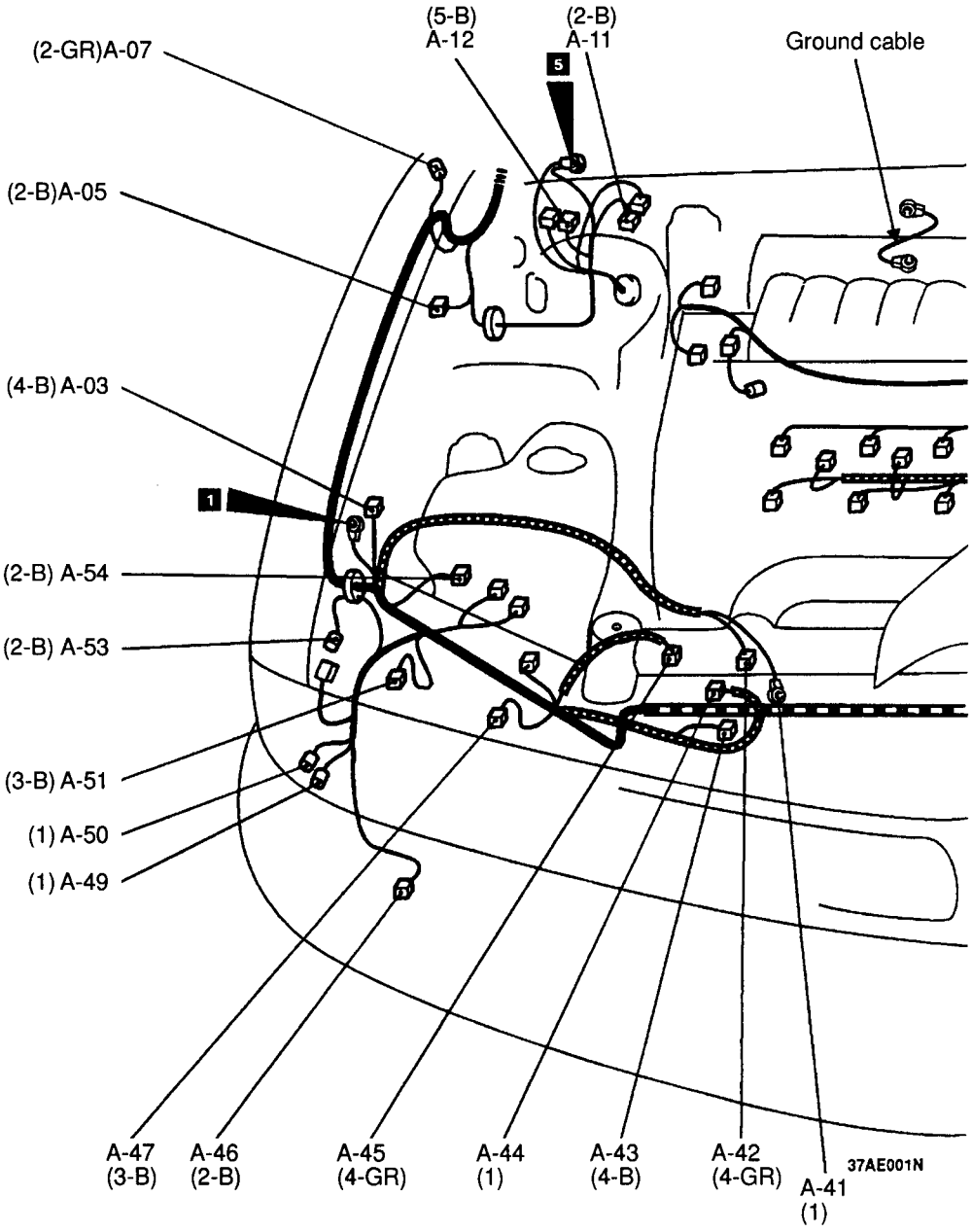
A-77	Valve relay <ABS>	A-72	Air flow sensor
A-57	Power steering oil pressure switch	A-75	Checking connector (for adjusting ignition timing, checking fuel pump)
A-58	Crank angle sensor	A-76	Hydraulic unit <ABS>
A-60	Connection of control harness and power steering harness	A-82	Distributor assembly
A-63	Knock sensor	A-84	Connection of control harness and battery harness
A-67	Condenser	A-85	Output shaft speed sensor
A-68	Throttle position sensor	A-86	Input shaft speed sensor
A-70	Idle speed control servo		

ENGINE COMPARTMENT

L.H. drive vehicles

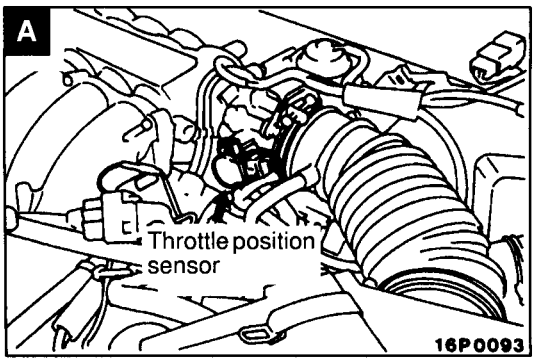
Connector symbol

A -01 thru -54

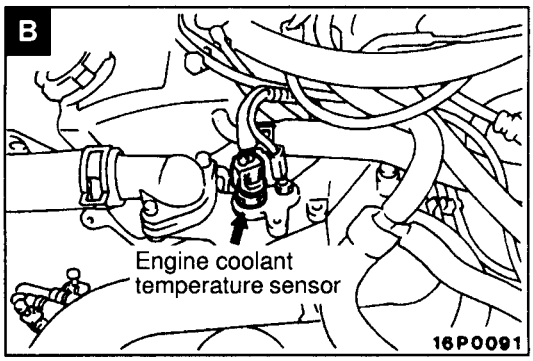


A-03 Auto cruise actuator
A-05 Front speed sensor (RH)
A-07 Side turn signal lamp (RH)
A-09 Windshield wiper motor
A-10 Brake fluid level sensor
A-11 Hydraulic unit <ABS>
A-12 Motor relay <ABS>
A-13 Side turn signal lamp (LH)
A-14 Front speed sensor (LH)
A-15X Power window relay
A-16X A/C compressor relay
A-17X Horn relay
A-18X Fog lamp relay
A-19X Alternator relay
A-20X Condenser fan relay (LO)
A-21X Condenser fan relay (HI)
A-22X Radiator fan relay (LO)
A-23X Tail lamp relay
A-24X Headlamp relay (LO)
A-25X Headlamp relay (HI)
A-27X Radiator fan relay (HI)
A-28 Connection of front and control harness
A-29 Front turn signal lamp (LH)

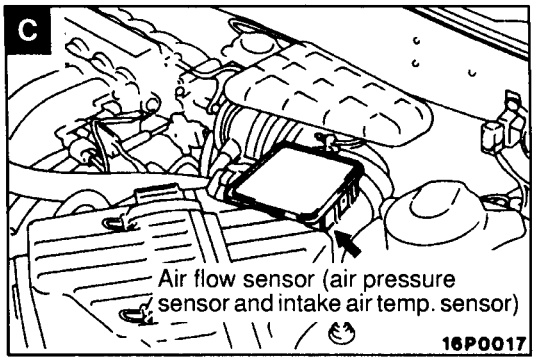
A


Throttle position sensor
16P0093

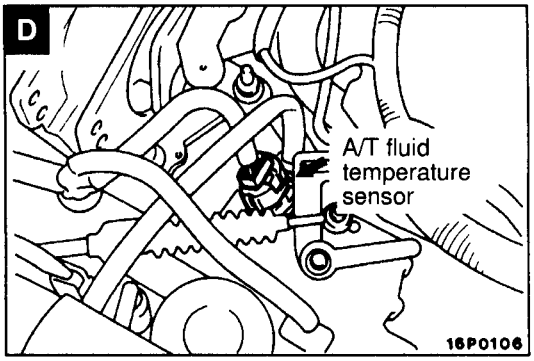
B


Engine coolant temperature sensor
16P0091

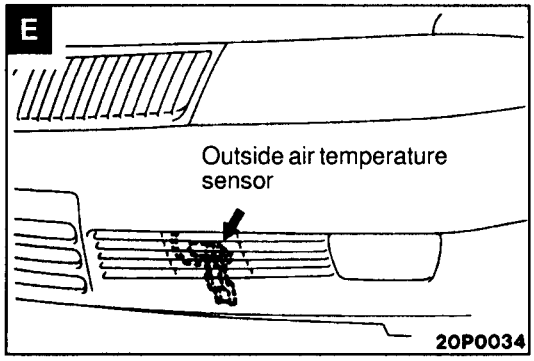
C


Air flow sensor (air pressure sensor and intake air temp. sensor)
16P0017

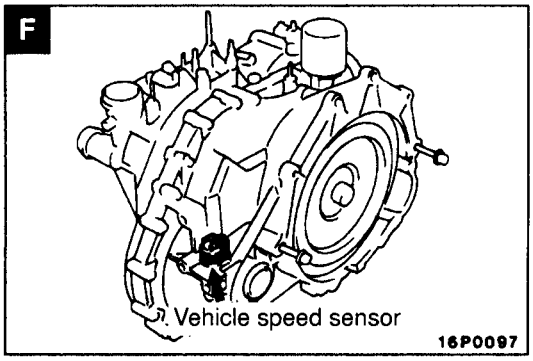
D


A/T fluid temperature sensor
16P0106

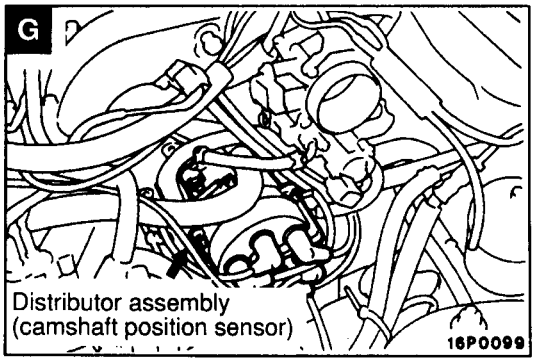
E


Outside air temperature sensor
20P0034

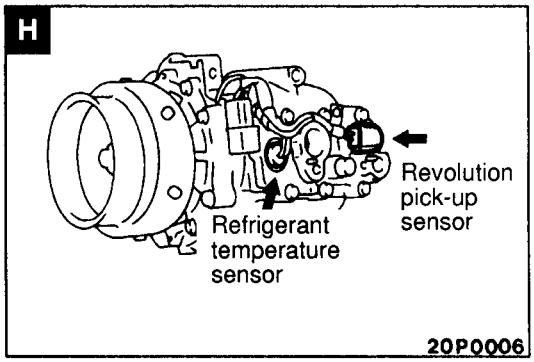
F


Vehicle speed sensor
16P0097

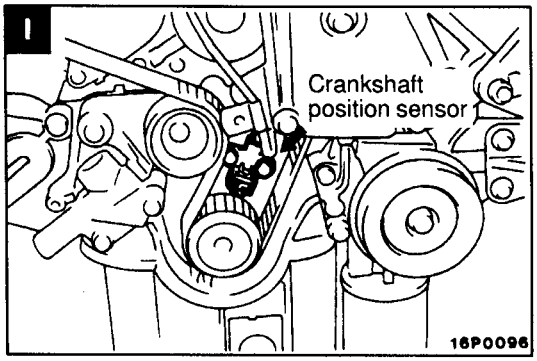
G


Distributor assembly (camshaft position sensor)
16P0099

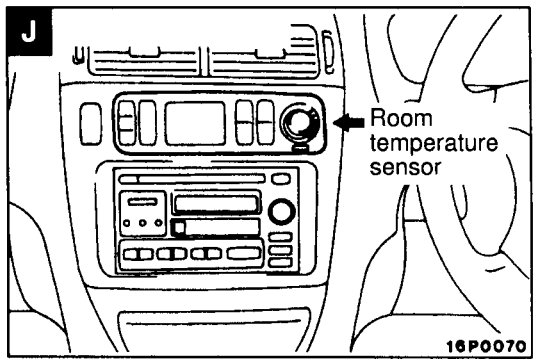
H

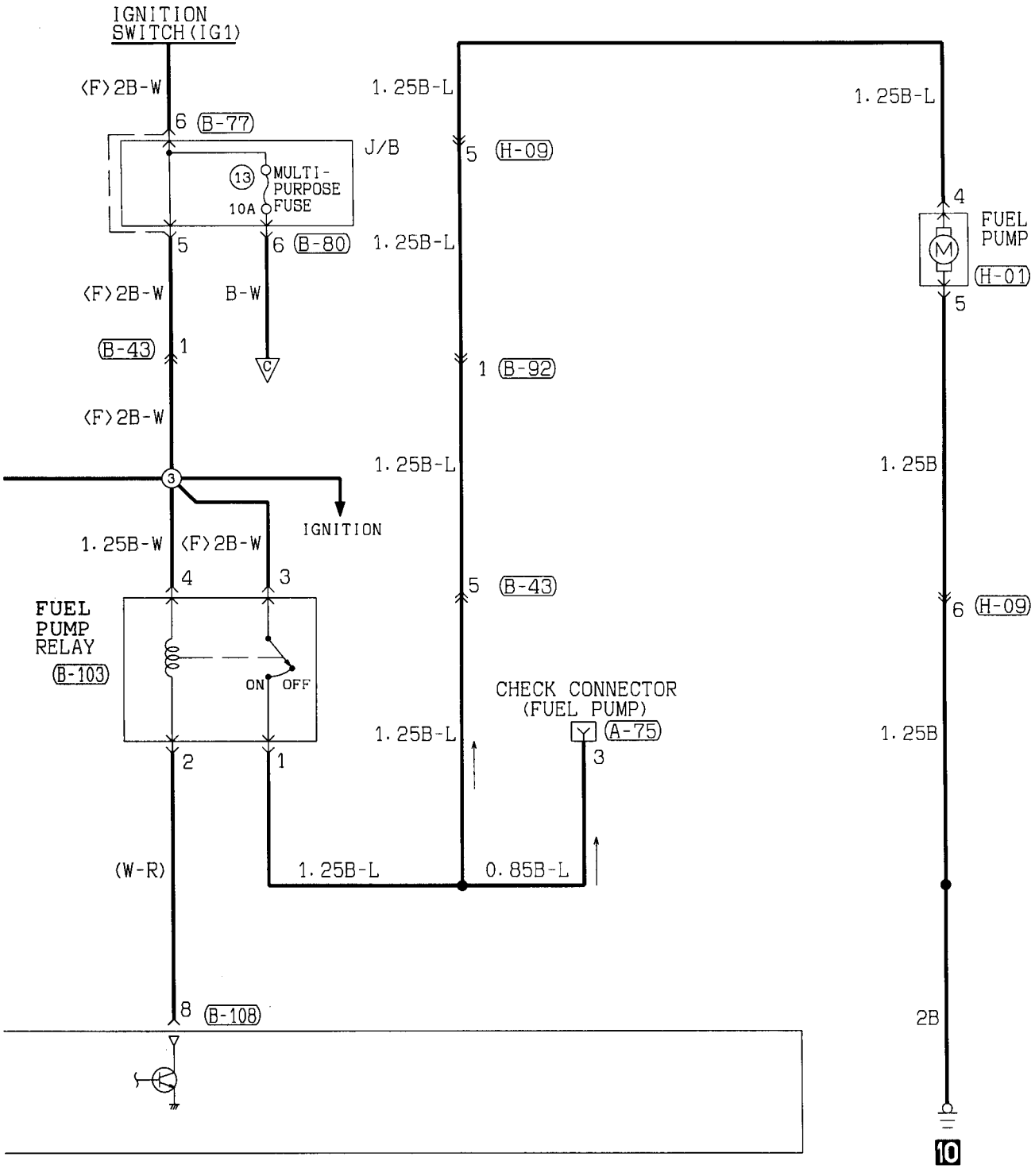

Revolution pick-up sensor
Refrigerant temperature sensor
20P0006

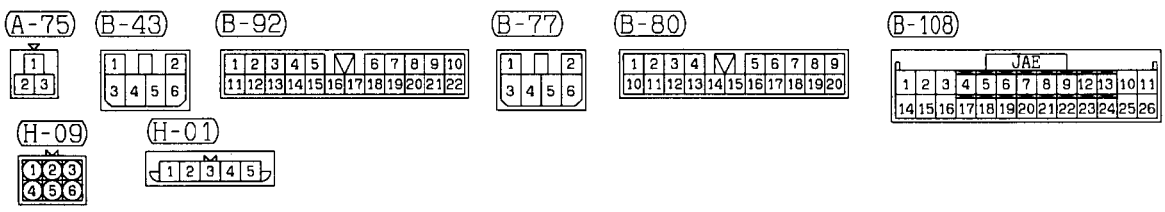
I


Crankshaft position sensor
16P0096

J

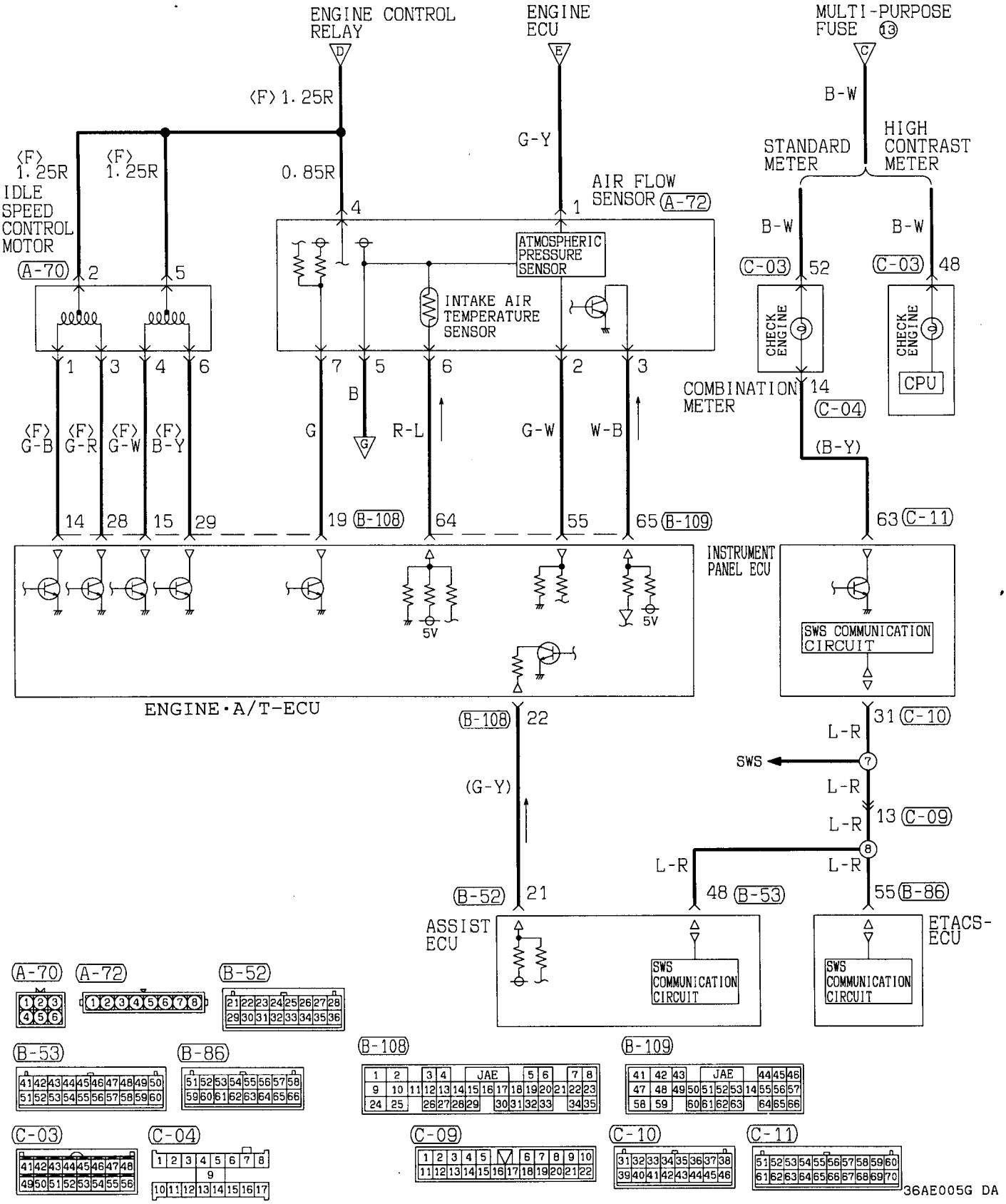

Room temperature sensor
16P0070


IGNITION SWITCH(IG1)
⟨F⟩2B-W
6 B-77
J/B
13 MULTI-PURPOSE FUSE
10A
5
6 B-80
⟨F⟩2B-W
B-W
B-43 1
C
⟨F⟩2B-W
3
IGNITION
1.25B-W
⟨F⟩2B-W
4
3
FUEL PUMP RELAY
B-103
ON
OFF
2
1
(W-R)
8 B-108
1.25B-L
5 H-09
1 B-92
1.25B-L
5 B-43
1.25B-L
1.25B-L
1.25B-L
0.85B-L
CHECK CONNECTOR (FUEL PUMP)
A-75
3
1.25B-L
1.25B
4
FUEL PUMP
H-01
5
1.25B
6 H-09
1.25B
2B
10

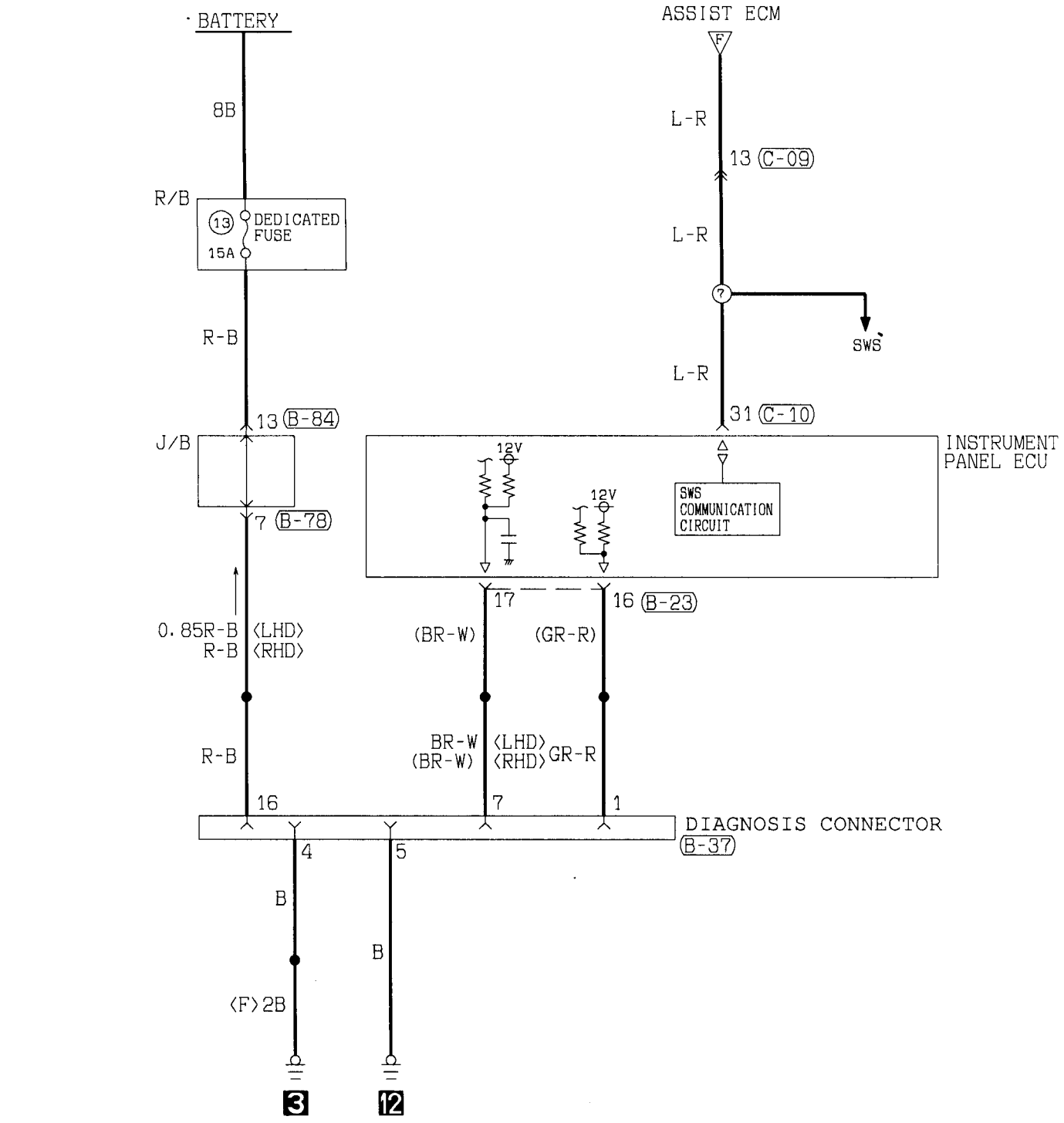

A-75
B-43
B-92
B-77
B-80
B-108
JAE
H-09
H-01

36AE047G AB

MPI SYSTEM <Automatic transmission vehicles> (CONTINUED)



HEADLAMP (CONTINUED)



36AE008G BA

ROOM LAMP, PERSONAL LAMP AND FOOT LAMP (See P. 4-68.)

OPERATION

- Battery voltage is always applied to the room lamp.
  When the room lamp switch is turned to "ON", the room lamp will remain lit. After either door is opened if the room lamp switch is at "DOOR" position, the room lamp will come on.
- In this case, the timer circuit in the ETACS unit will be activated to gradually vary the voltage for approx. 6 seconds owing to the duty control, and the voltage will be output to power transistor. Since the voltage applied to the room lamp gradually decreases, the room lamp will be dimmed.
- If the ignition switch is turned to "ON" while the room lamp is lit (while the timer is activated), the timer circuit will be opened to turn "OFF" power transistor.
  This will immediately turn off the room lamp without dimming.

METER (See P. 4-86, 4-89.)

OPERATION

<Fuel gauge>

- When the ignition key is at the "ON" position, the fuel gauge is activated.
- When fuel level is high the unit's resistance is small and the current flowing in the circuit is large, so the gauge's indicator indicates in the "F" area.
- When fuel level is low, the unit's resistance is high and the current flowing in the circuit is small, so the gauge's indicator indicates in the "E" area.

<Engine coolant temperature gauge>

- When the ignition key is at the "ON" position, the engine coolant temperature gauge is activated.
- When the engine coolant temperature is high, the unit's resistance is low and current flow in the circuit is high, so the gauge's indicator indicates in the "H" area.
- When the engine coolant temperature is low, the unit's resistance is high and current flow in the circuit is low, so the gauge's indicator indicates in the "C"area.

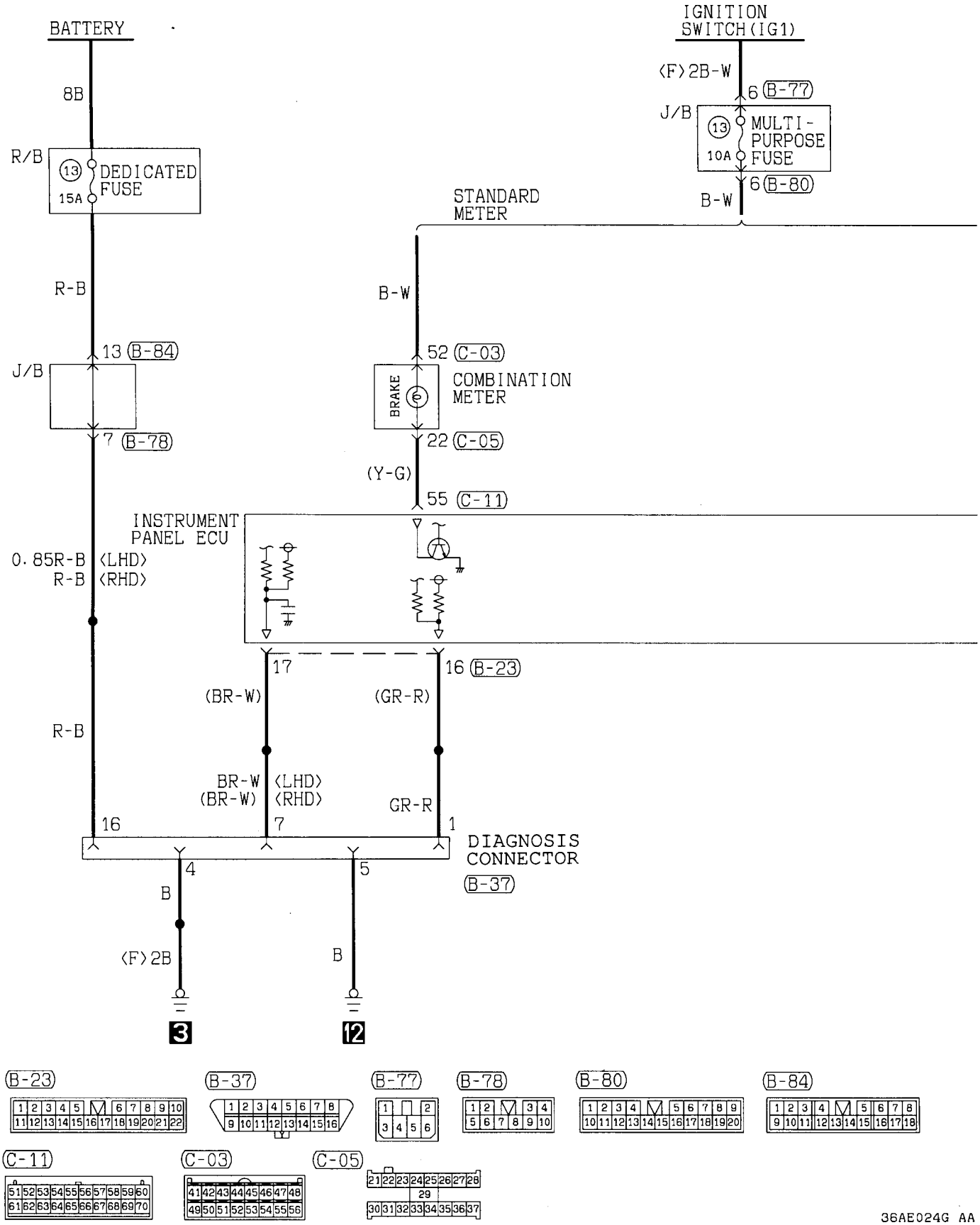
<Electric type speedometer>

- With the ignition switch turned to ON position, the speedometer operates.
- The electric type speedometer uses an electric circuit to shape the wave of the electric signal from the vehicle speed sensor and after calculating vehicle speed, it drives the pointer.

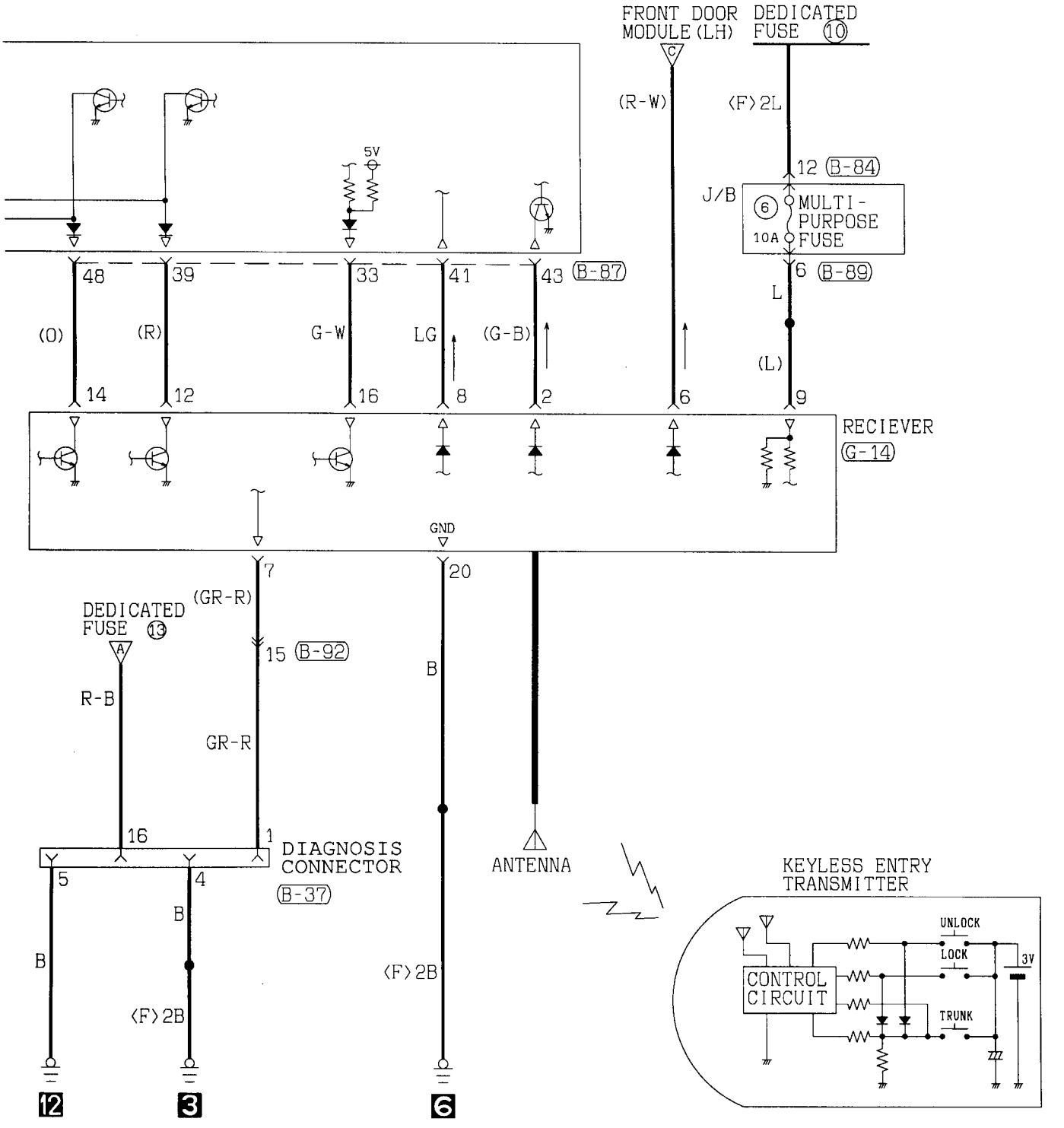
TROUBLESHOOTING HINTS

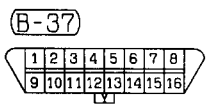
1. Tachometer does not operate, or indicates incorrectly.
   - Check the tachometer. (Refer to P.54-27.)
2. Fuel gauge does not operate, or indicates incorrectly.
   - Check the fuel gauge. (Refer to P.54-32.)
   - Check the fuel gauge unit (Refer to P.54-28).
3. Engine coolant temperature gauge does not operate, or indicates incorrectly.
   - Check the engine coolant temperature gauge. (Refer to P.54-32.)
   - Check the engine coolant temperature gauge unit (Refer to P.54-30).
4. Speedometer does not operate.
   - Vehicle speed control system does not operate.
   - Check the vehicle speed sensor (Refer to P.54-32.)
   - Systems other than vehicle speed control
   - Check the speedometer (Refer to P.54-27).

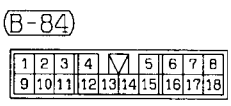
BRAKE WARNING LAMP

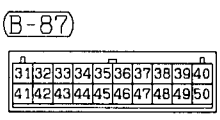


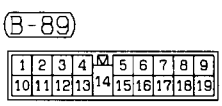
36AE024G AA

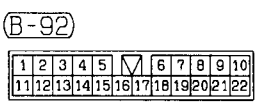

FRONT DOOR MODULE (LH)
DEDICATED FUSE (10)
(R-W)
(F)2L
12 B-84
J/B
6 MULTI-PURPOSE FUSE
10A
6 B-89
L
(L)
9
5V
48
39
33
41
43 B-87
(O)
(R)
G-W
LG
(G-B)
14
12
16
8
2
6
RECIEVER
G-14
GND
7
20
(GR-R)
15 B-92
DEDICATED FUSE (13)
R-B
GR-R
B
16
1
DIAGNOSIS CONNECTOR
B-37
5
4
B
B
(F)2B
(F)2B
ANTENNA
KEYLESS ENTRY TRANSMITTER
CONTROL CIRCUIT
UNLOCK
LOCK
TRUNK
3V
12
3
6

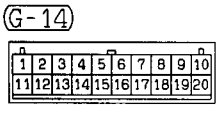

B-37


B-84

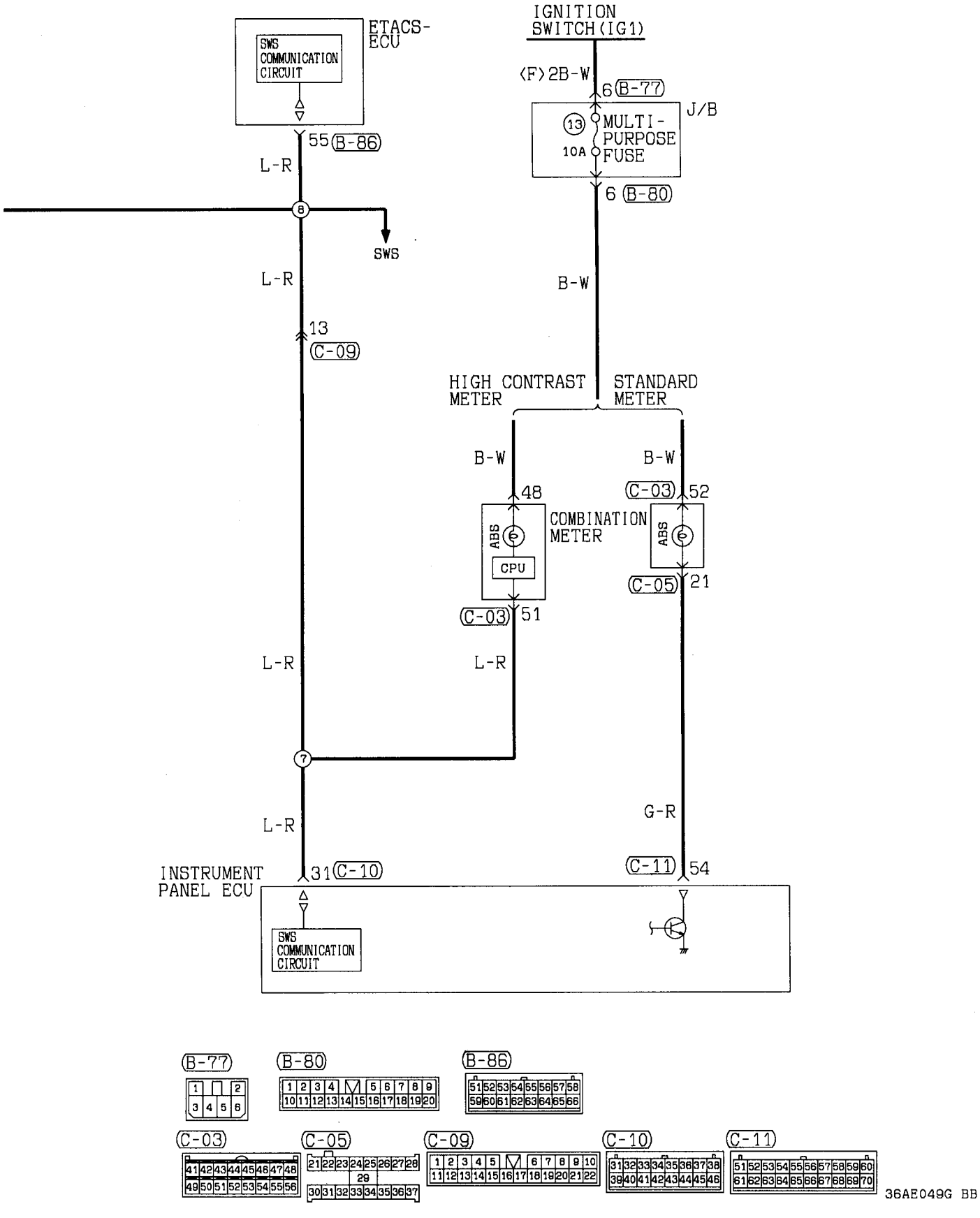

B-87

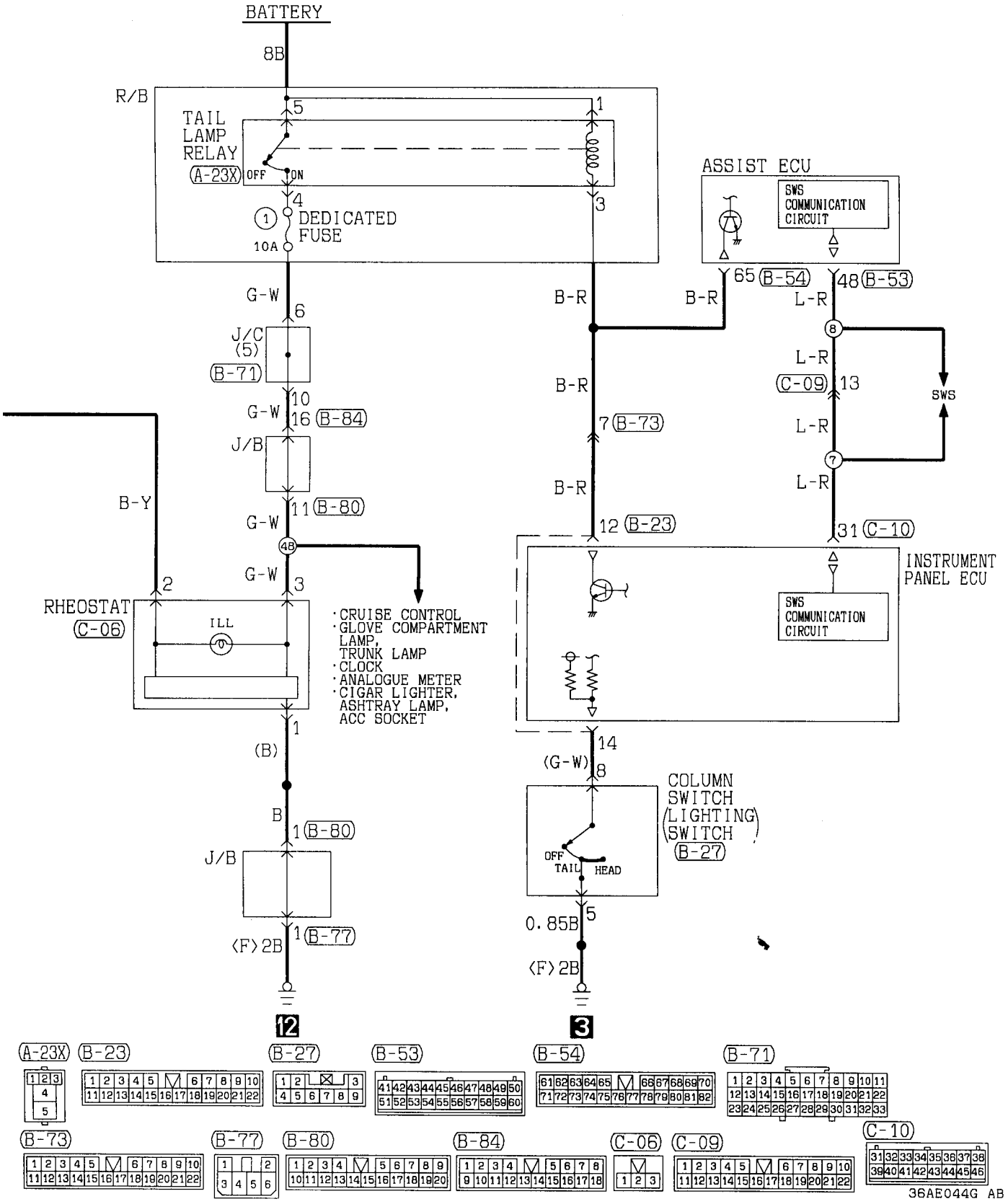

B-89


B-92


G-14

36AE028G BB


ETACS-ECU
SWS COMMUNICATION CIRCUIT
55 B-86
L-R
8
SWS
L-R
13
C-09
IGNITION SWITCH(IG1)
<F>2B-W
6 B-77
J/B
13
MULTI-PURPOSE FUSE
10A
6 B-80
B-W
HIGH CONTRAST METER
STANDARD METER
B-W
B-W
48
C-03 52
ABS
COMBINATION METER
CPU
C-03 51
C-05 21
L-R
L-R
7
L-R
G-R
INSTRUMENT PANEL ECU
31 C-10
C-11 54
SWS COMMUNICATION CIRCUIT
B-77
B-80
B-86
C-03
C-05
C-09
C-10
C-11
36AE049G BB


BATTERY
8B
R/B
TAIL LAMP RELAY
A-23X
OFF
ON
DEDICATED FUSE
10A
G-W
J/C (5)
B-71
G-W
16 B-84
J/B
B-Y
G-W
11 B-80
G-W
RHEOSTAT
C-06
ILL
·CRUISE CONTROL
·GLOVE COMPARTMENT LAMP, TRUNK LAMP
·CLOCK
·ANALOGUE METER
·CIGAR LIGHTER, ASHTRAY LAMP, ACC SOCKET
(B)
B
1 B-80
J/B
1 B-77
⟨F⟩2B
12
ASSIST ECU
SWS COMMUNICATION CIRCUIT
B-R
B-R
65 B-54
48 B-53
L-R
L-R
C-09 13
SWS
L-R
L-R
B-R
7 B-73
B-R
12 B-23
31 C-10
INSTRUMENT PANEL ECU
SWS COMMUNICATION CIRCUIT
14
(G-W)
8
COLUMN SWITCH (LIGHTING SWITCH)
B-27
OFF
TAIL
HEAD
0.85B
5
⟨F⟩2B
3
A-23X
B-23
B-27
B-53
B-54
B-71
B-73
B-77
B-80
B-84
C-06
C-09
C-10
36AE044G AB