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NOTES

1 POWER DISTRIBUTION CIRCUIT

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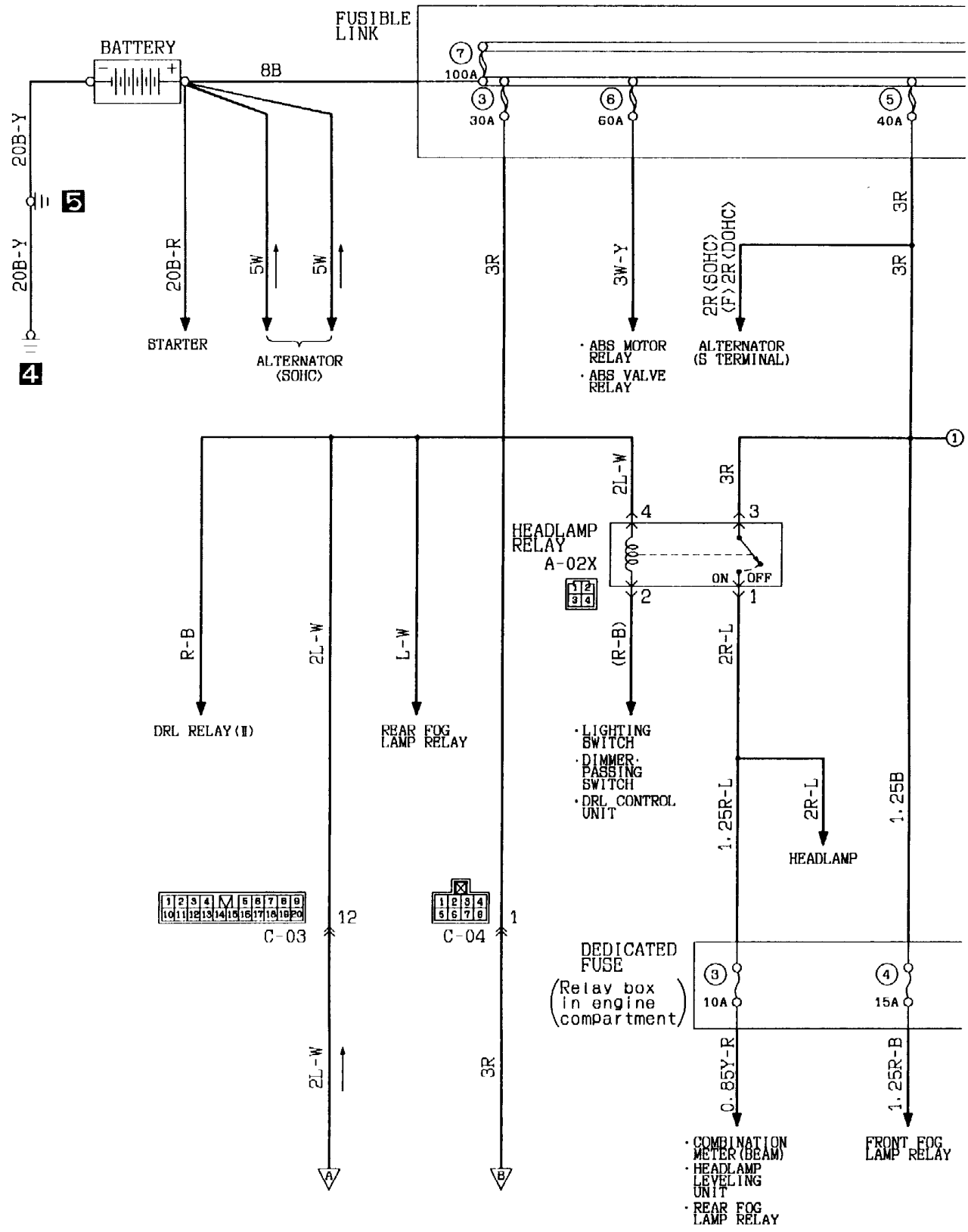
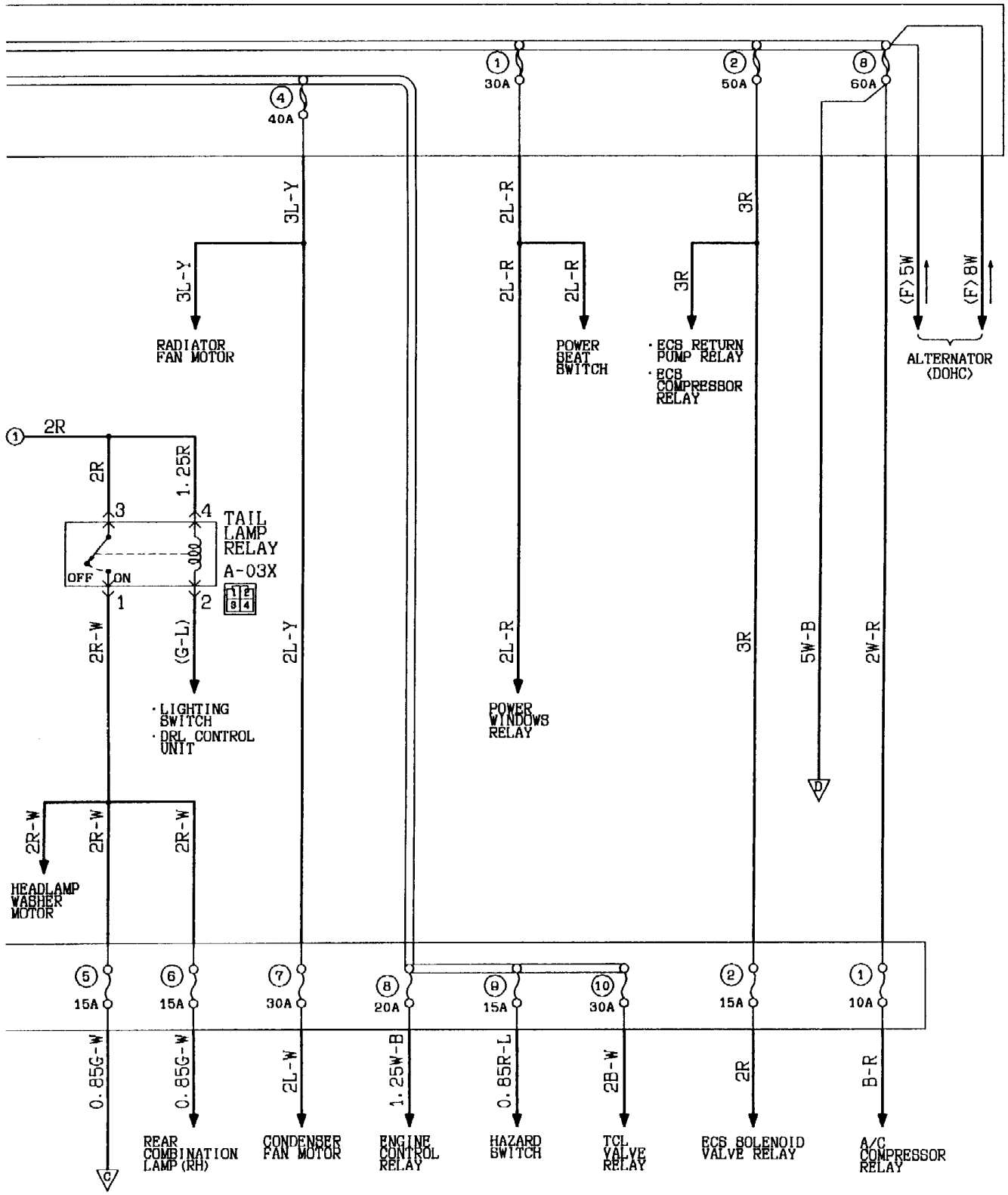
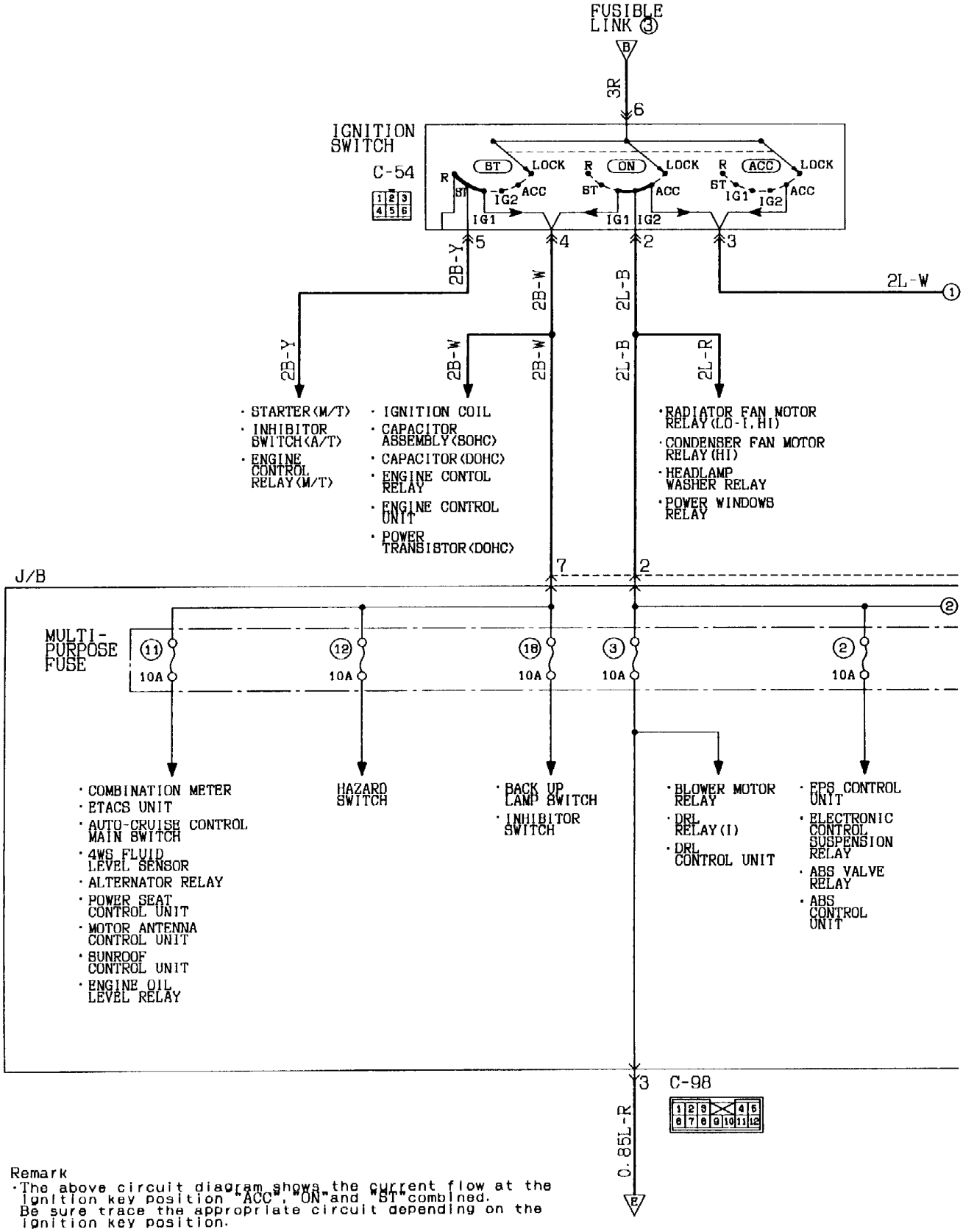


KX35-AC-J0101-EC



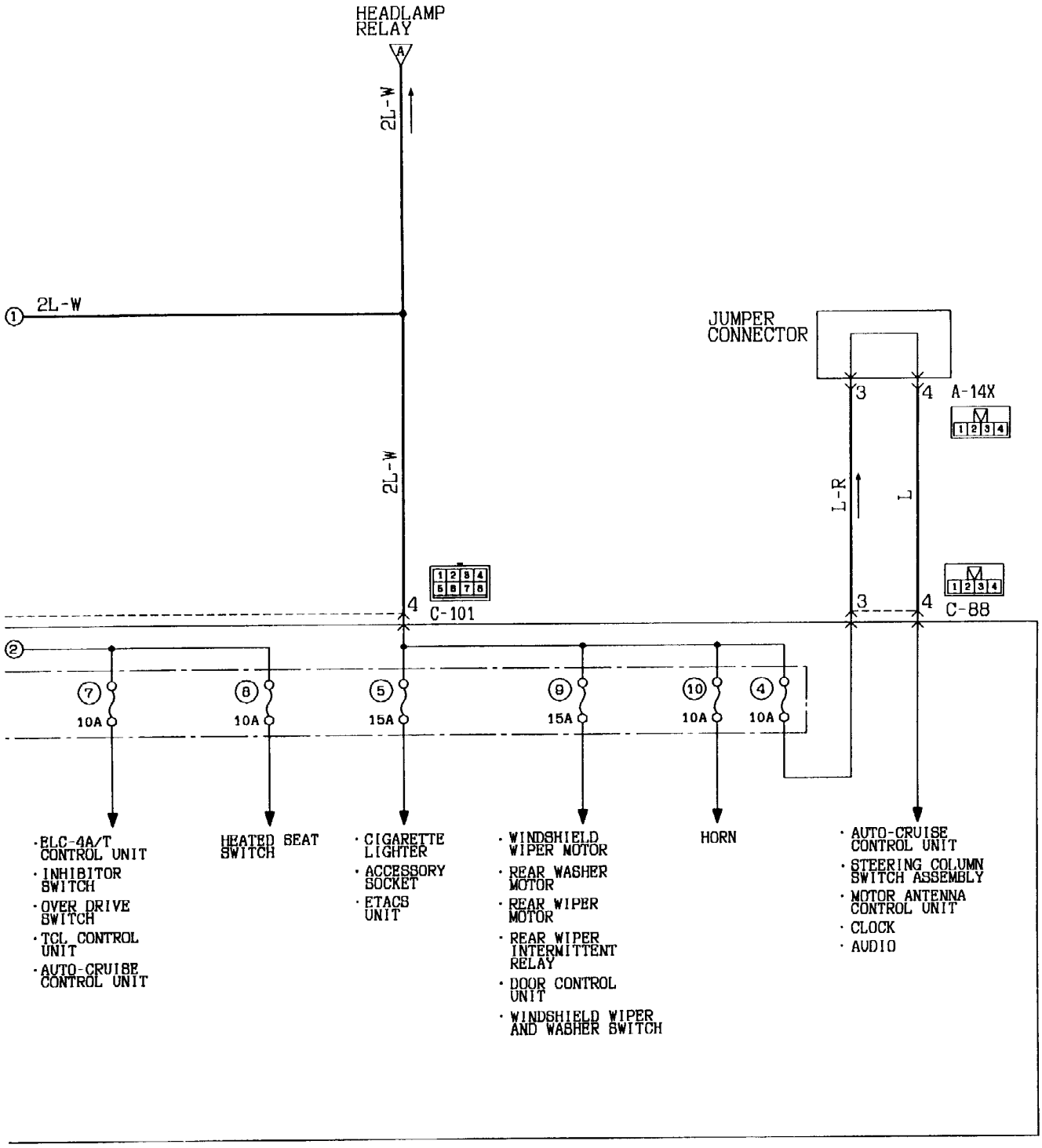
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	



Remark
·The above circuit diagram shows the current flow at the ignition key position "ACC", "ON" and "ST" combined. Be sure trace the appropriate circuit depending on the ignition key position.

KX35-AC-J0101A-EC



Wire colour code

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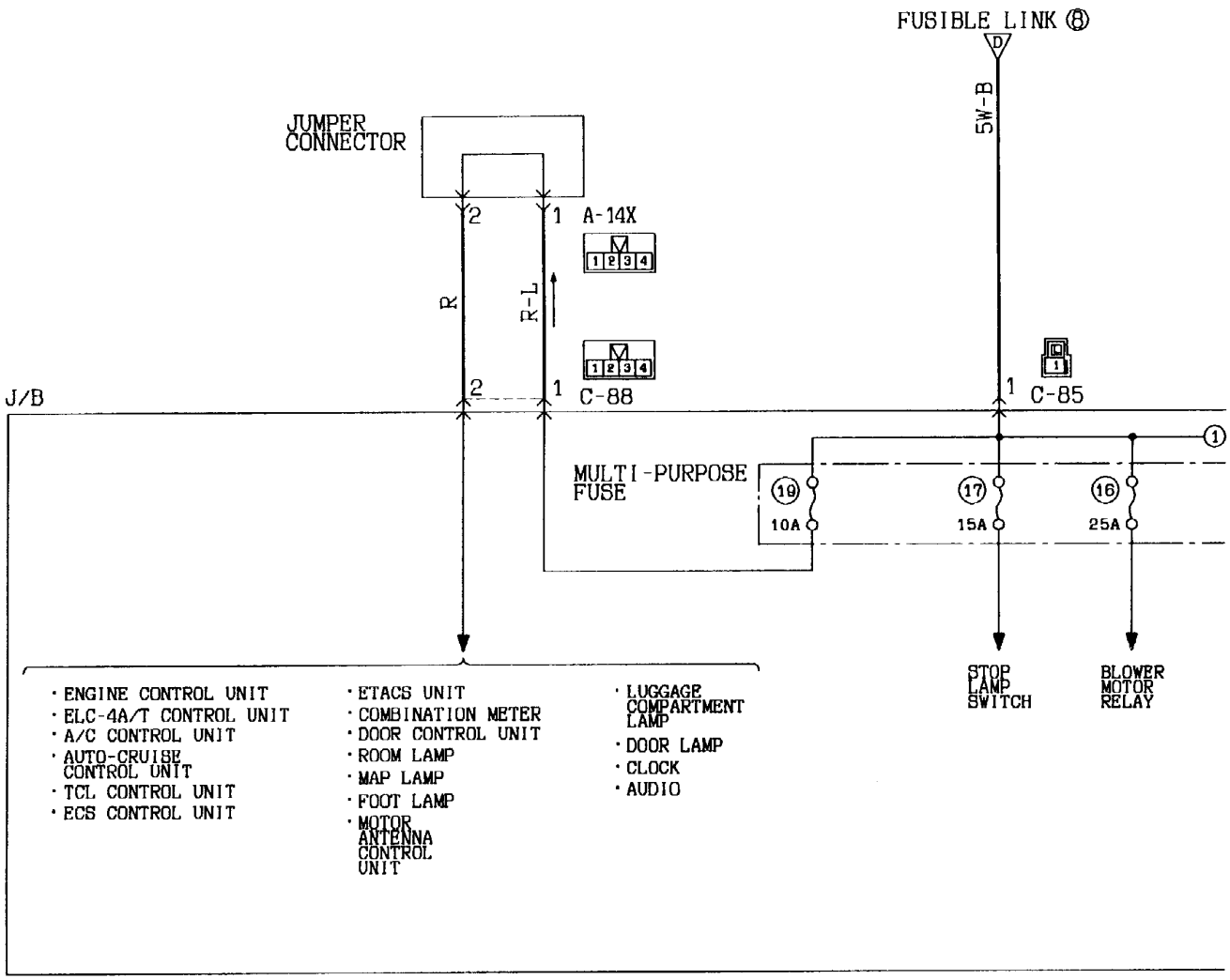
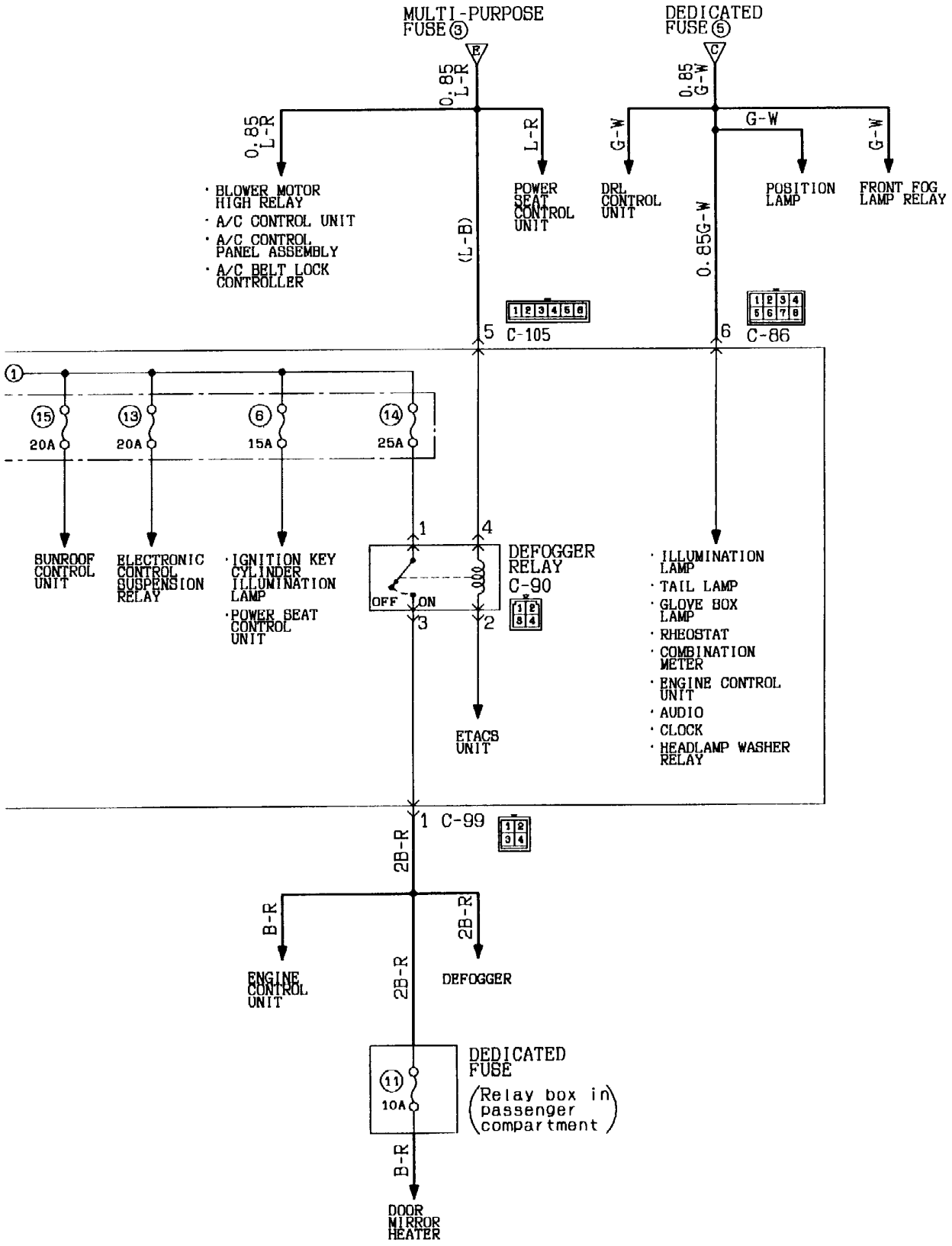


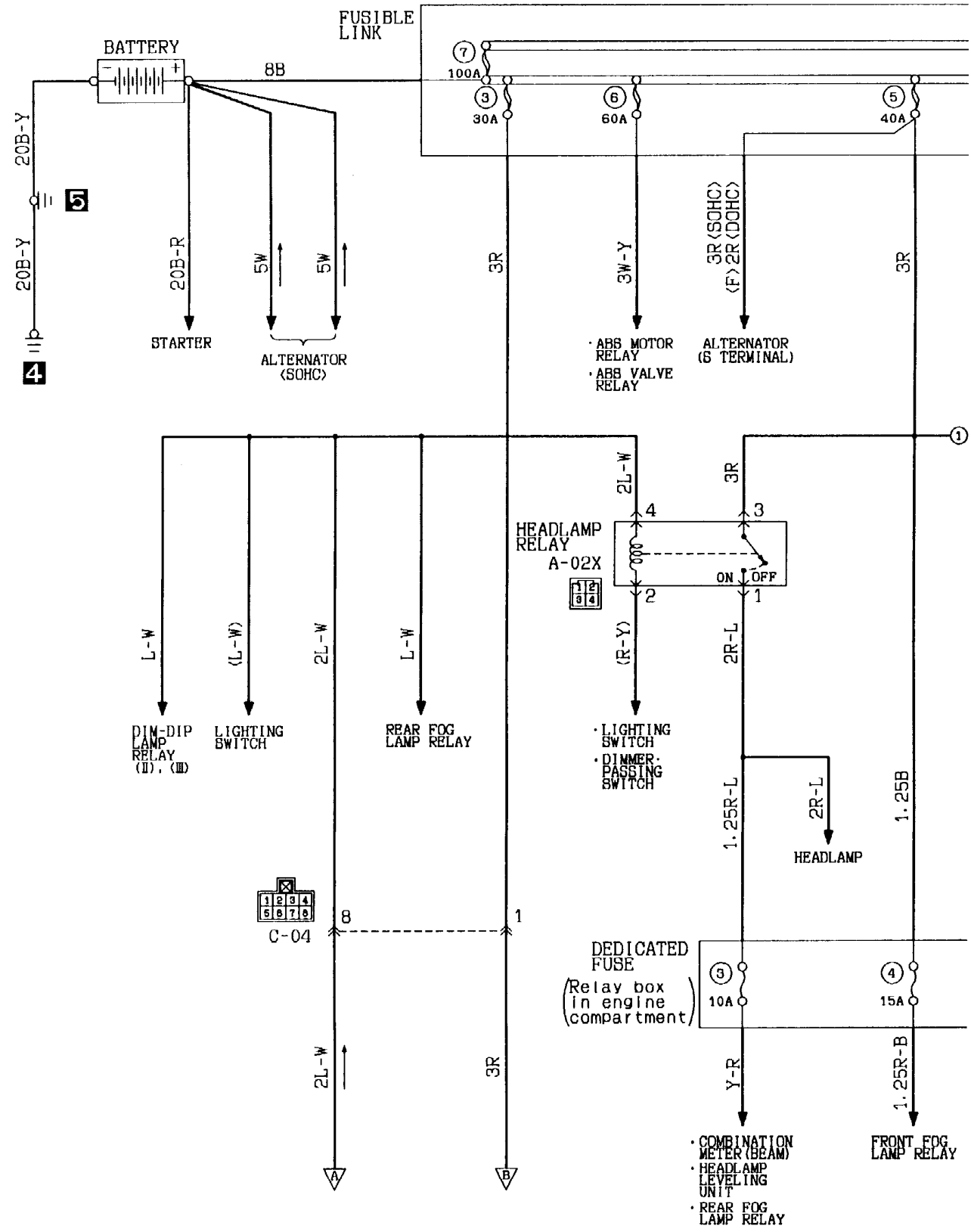
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

KX35-AC-J0101B-EC



1-2 R.H. drive vehicles



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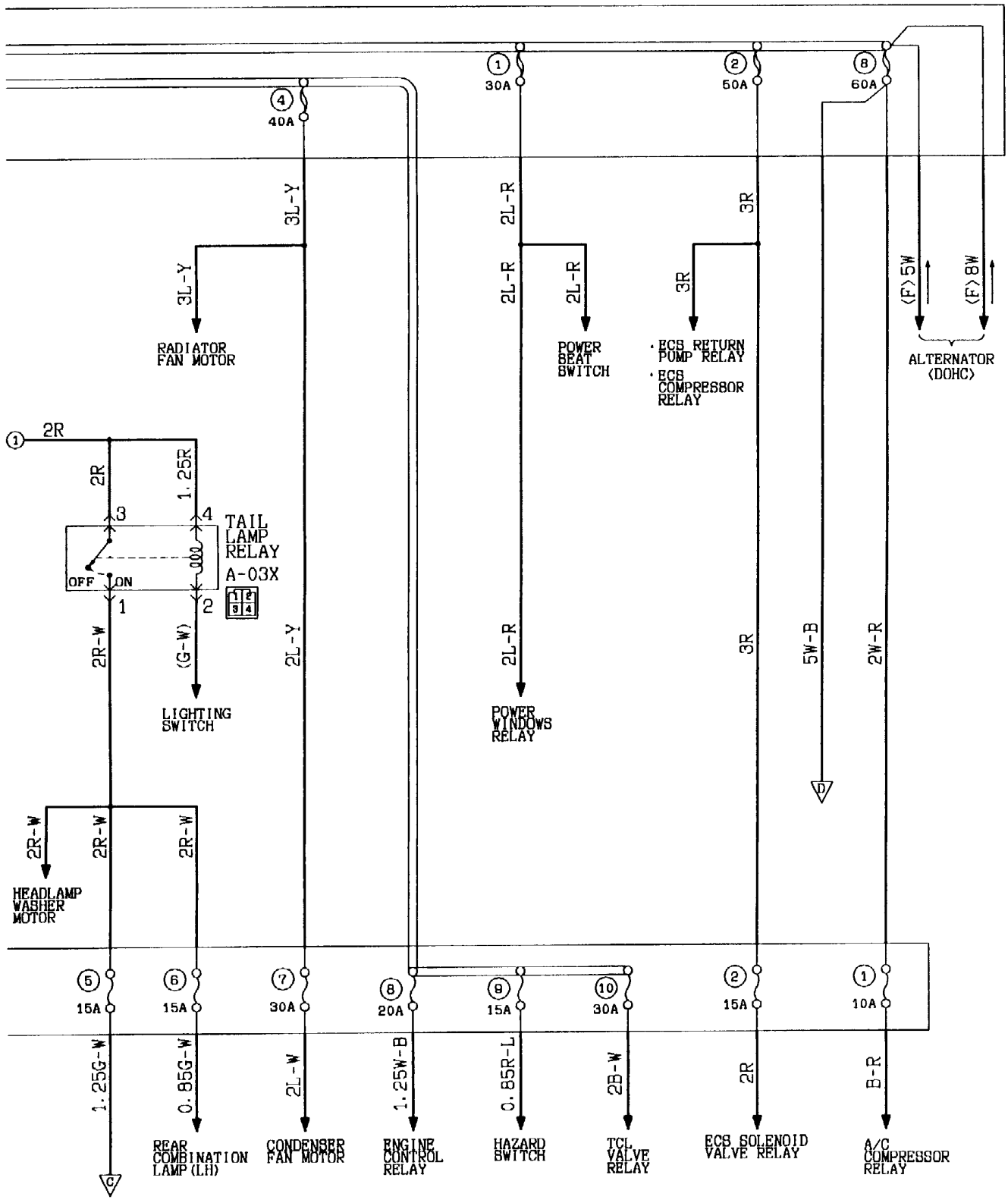

Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
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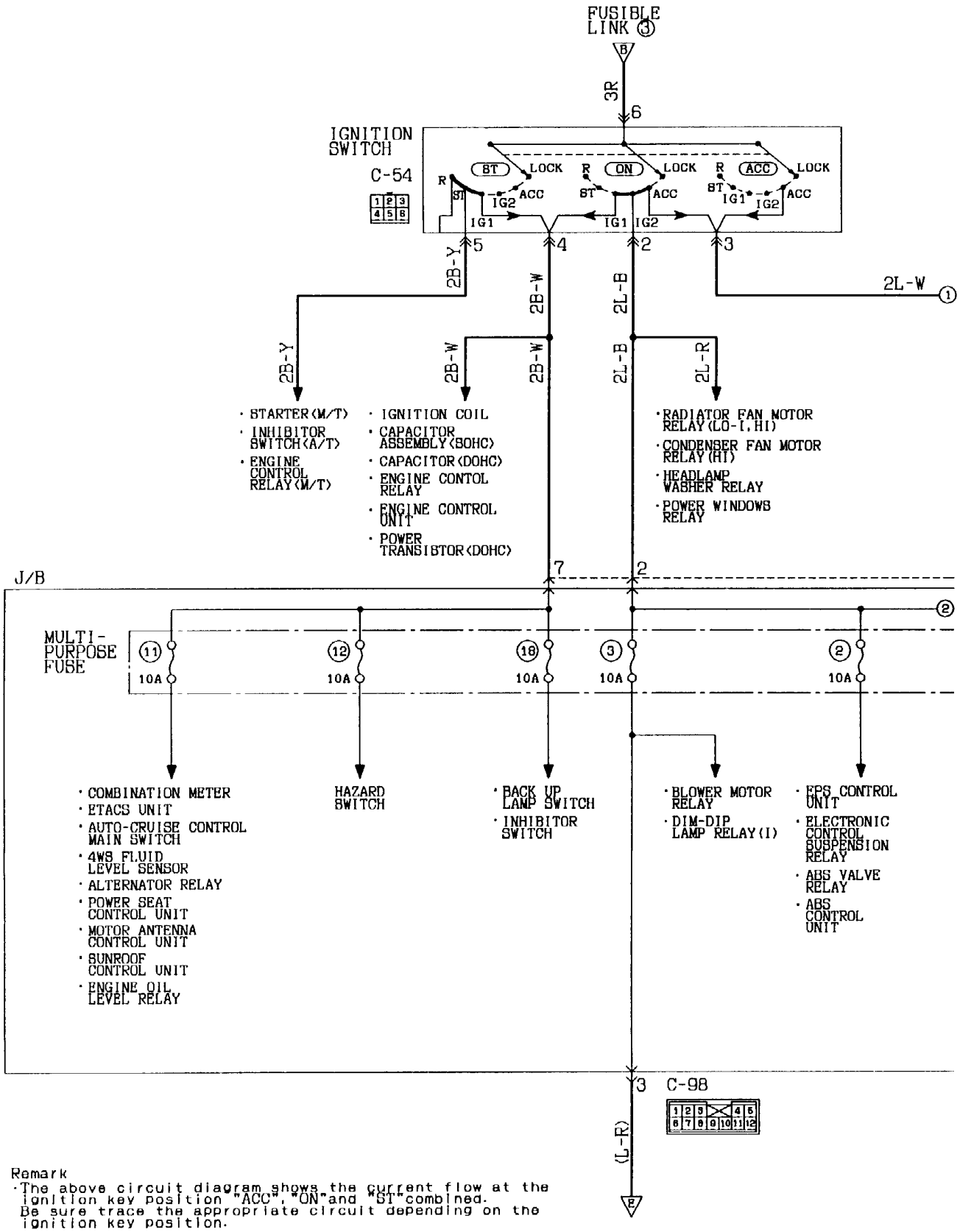
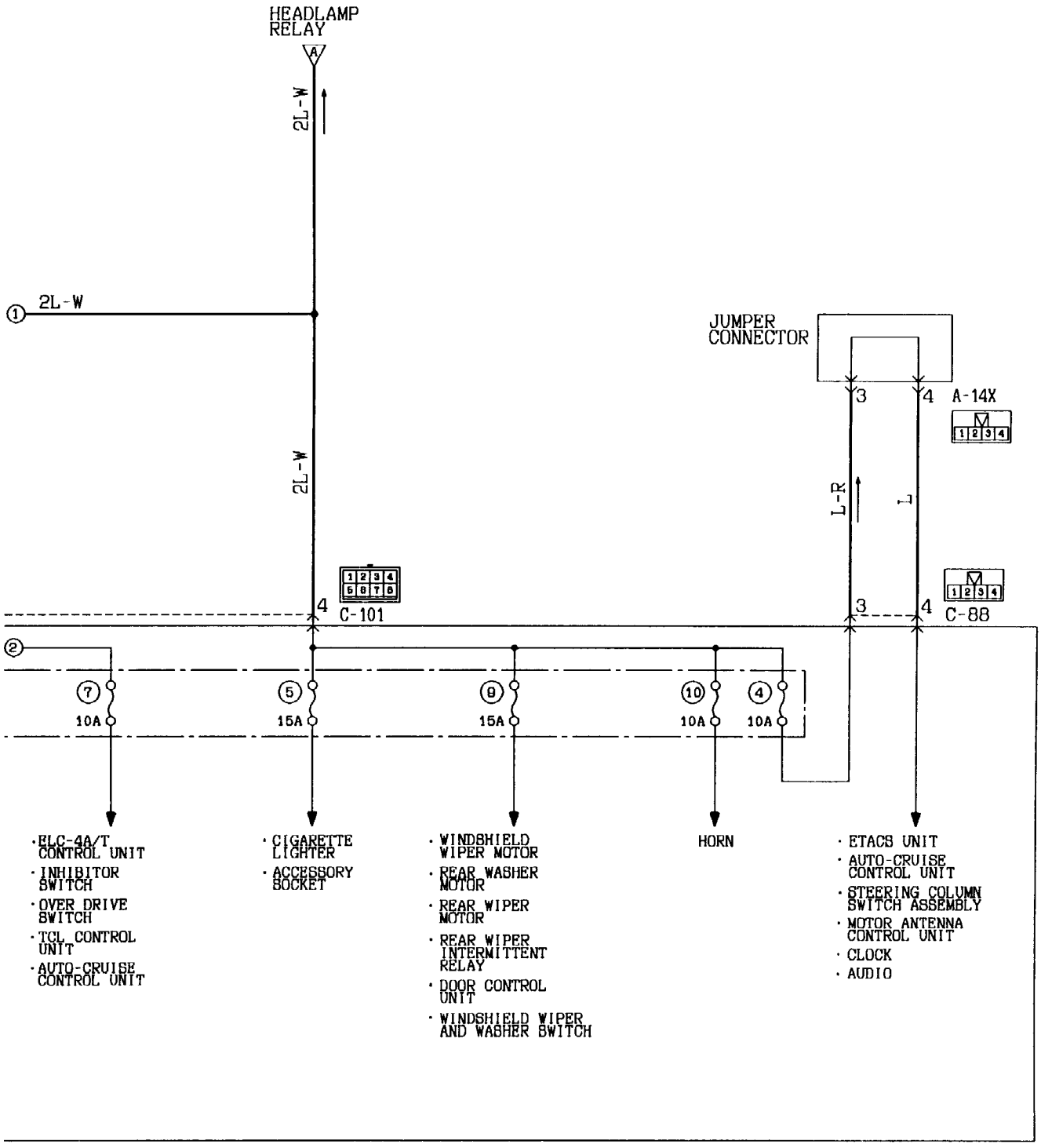


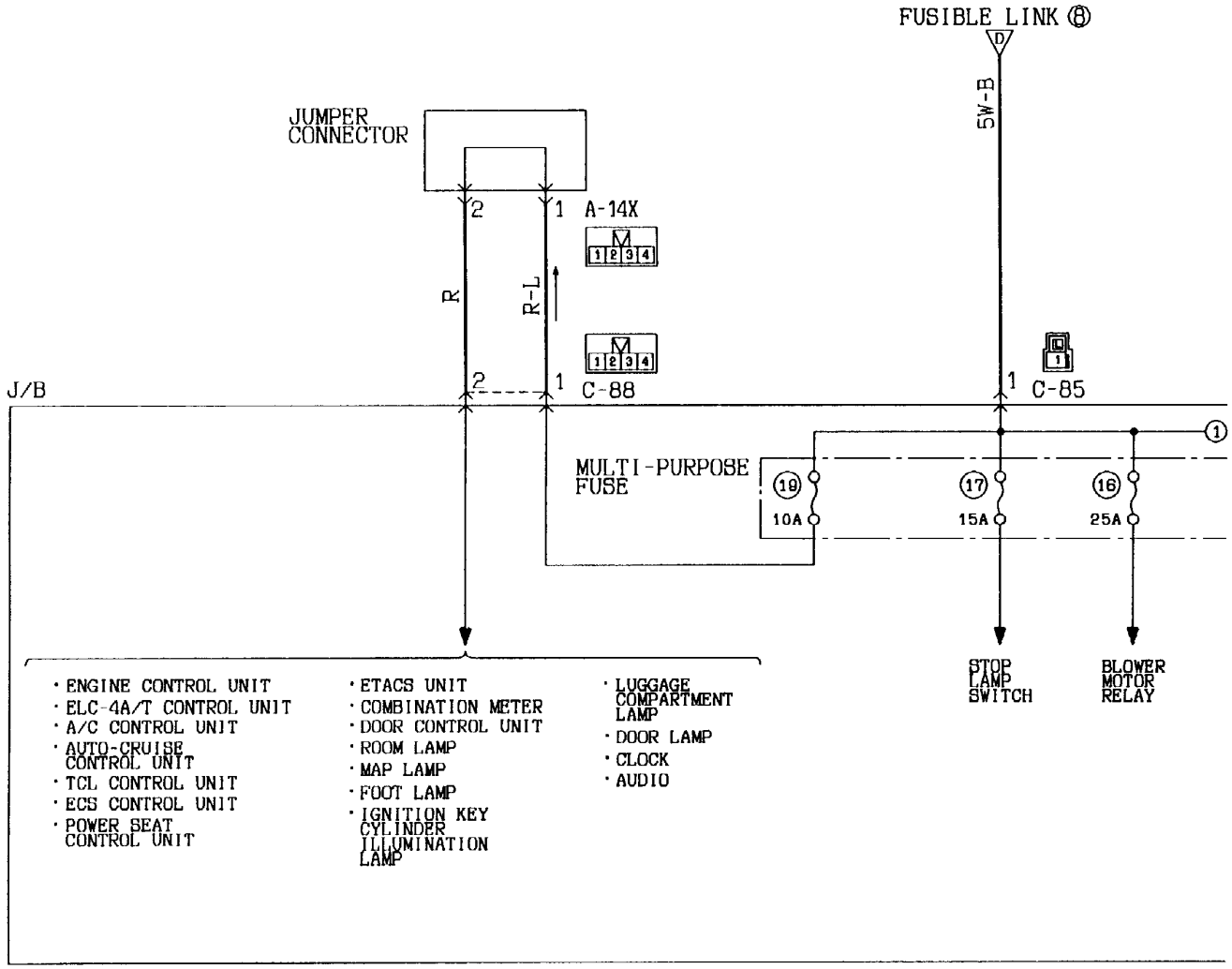
Remark
·The above circuit diagram shows the current flow at the ignition key position "ACC", "ON"and "ST"combined. Be sure trace the appropriate circuit depending on the ignition key position.

KX35-AC-J0102A-EC



Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	



Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

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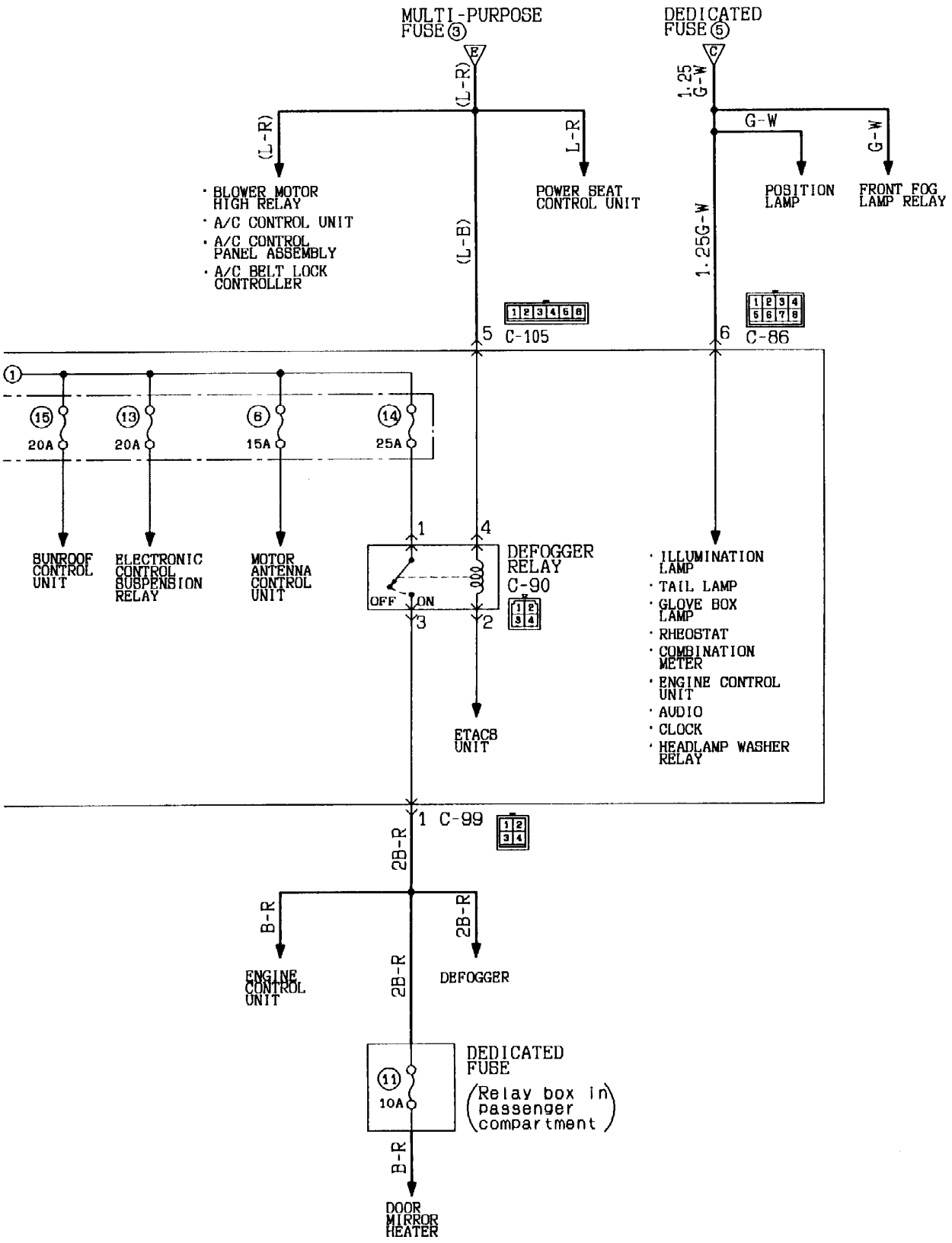
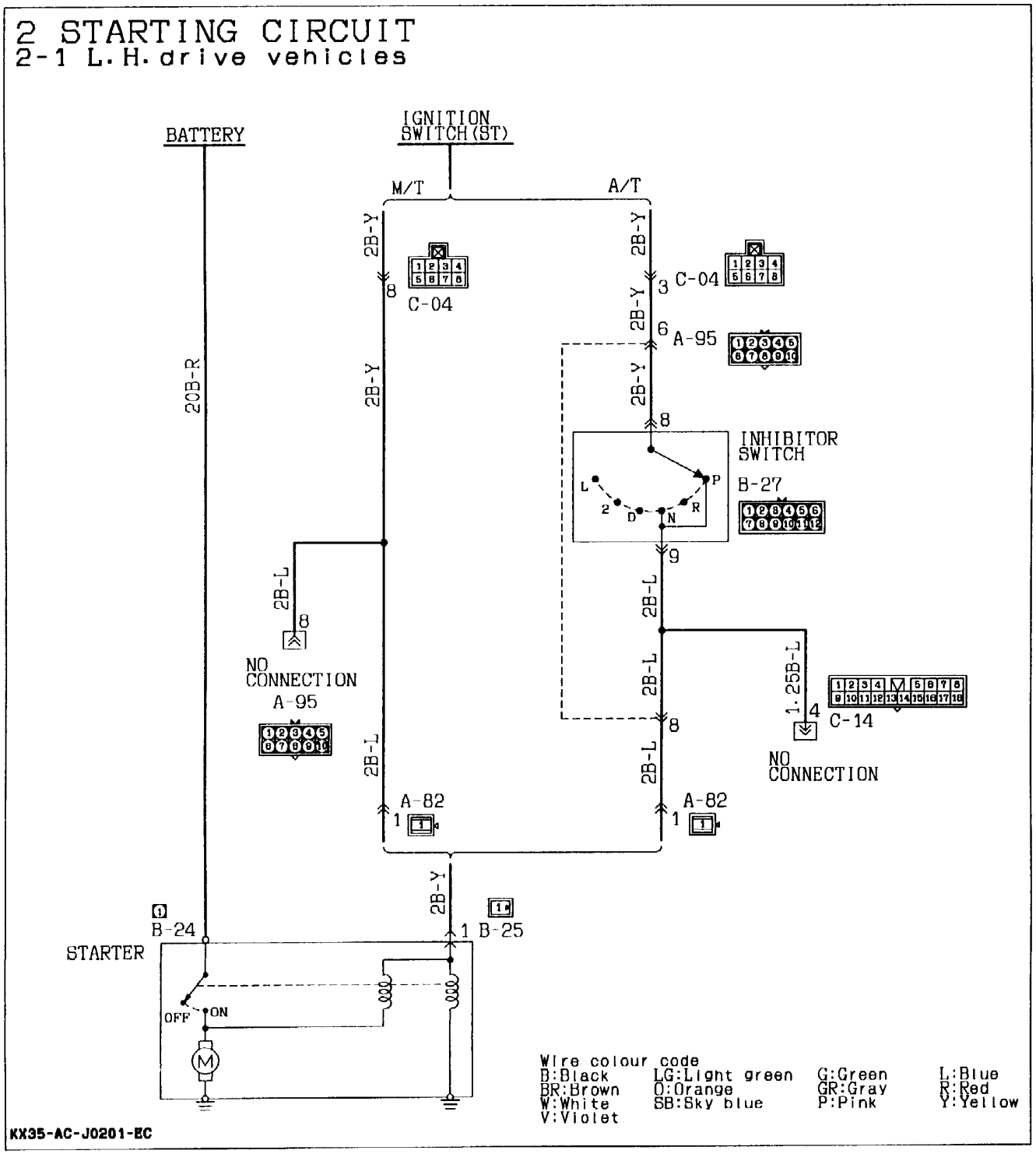




STARTING CIRCUIT (See P. 4-16, 17.)

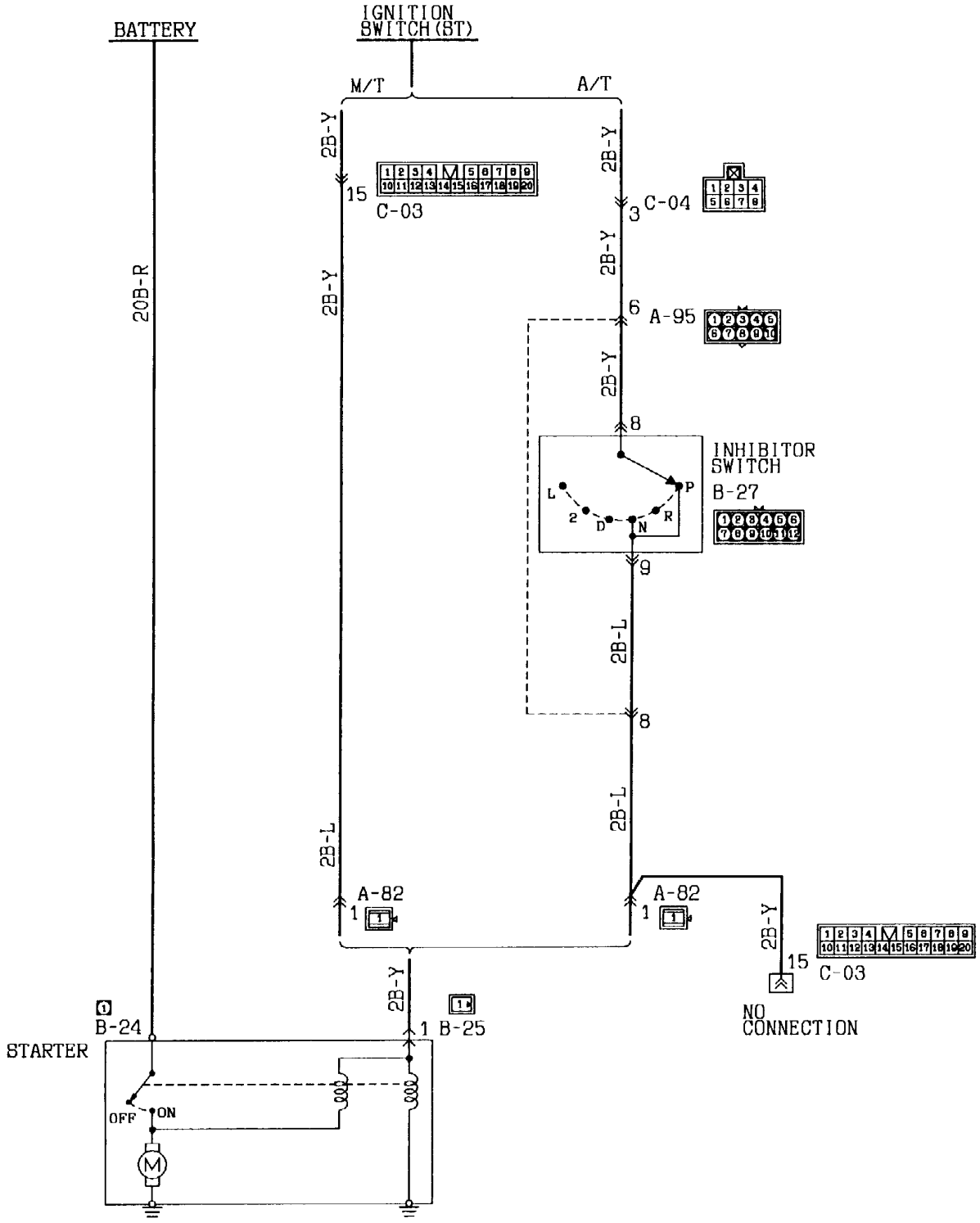
OPERATION

- On vehicles with automatic transmission, placing the ignition switch in the ST position with the selector lever in P or N position causes the starter contacts (magnet switch) to close energizing the starter motor.

TROUBLESHOOTING HINTS

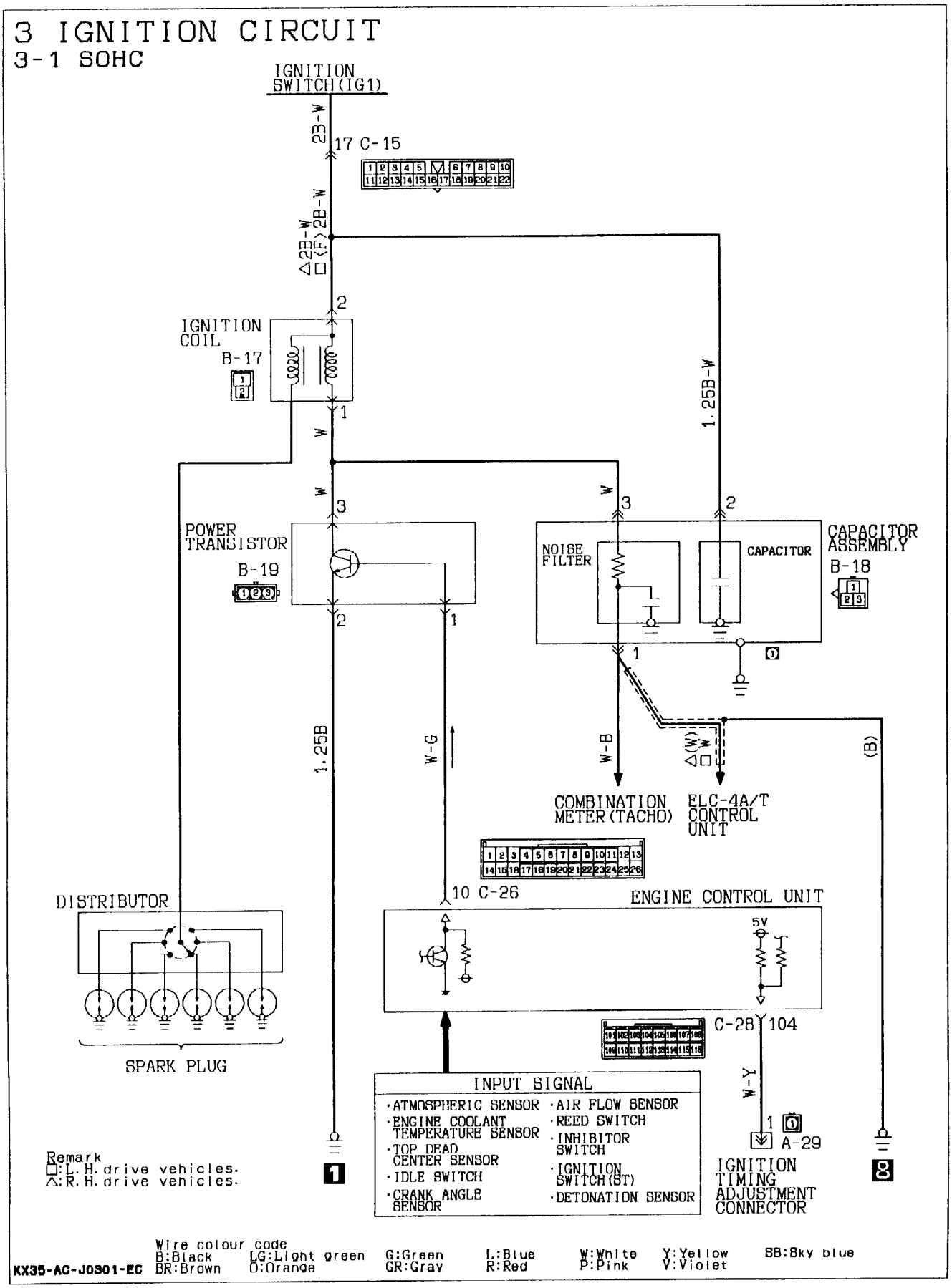
1. Starter motor does not turn over at all.
   - Check starter (coil).
   - Check battery terminals for proper contact.
   - Check the inhibitor switch. <A/T>
2. Starter motor does not stop rotating.
   - Check starter (magnet switch).

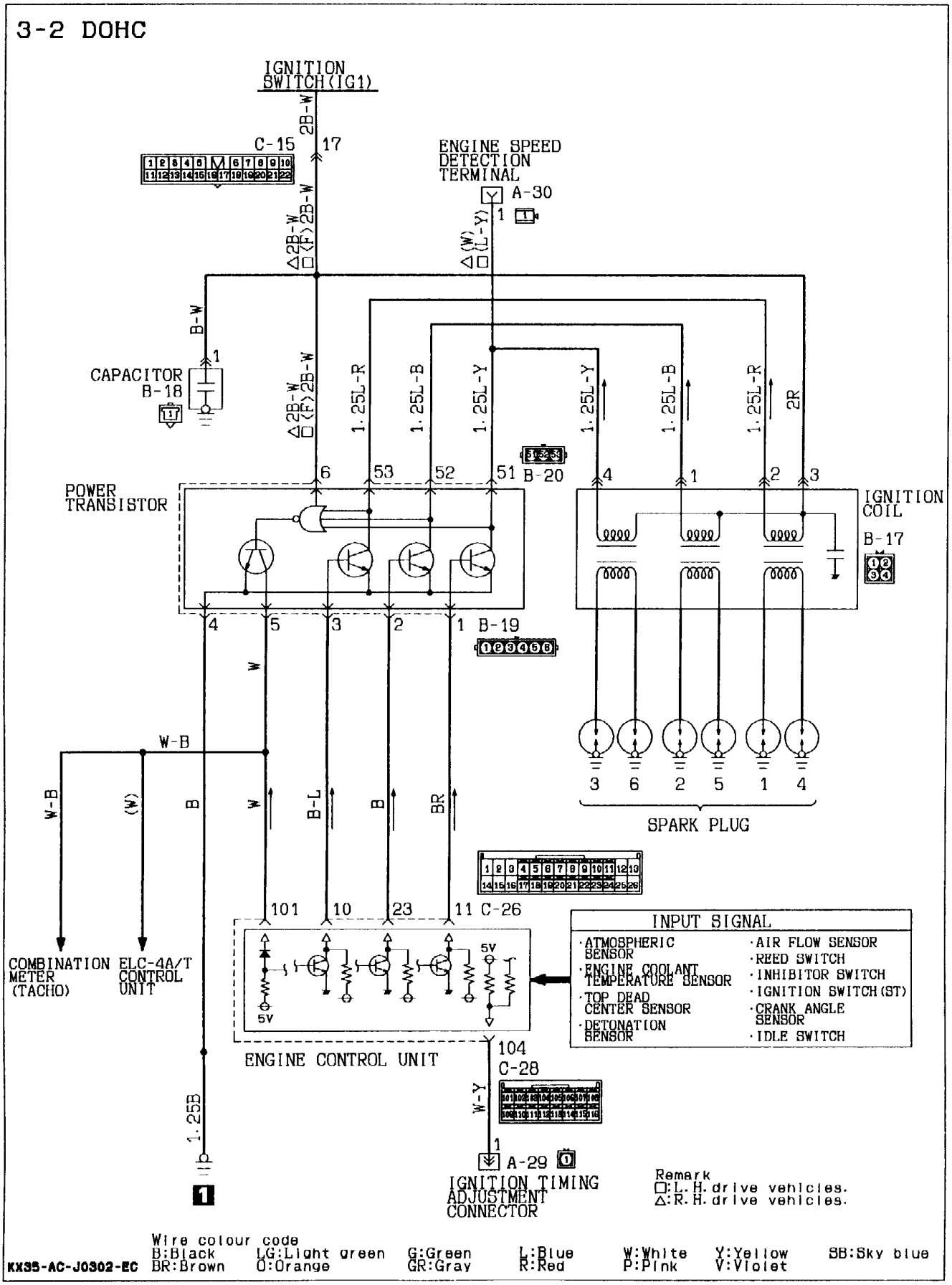
2-2 R.H. drive vehicles



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J0202-EC





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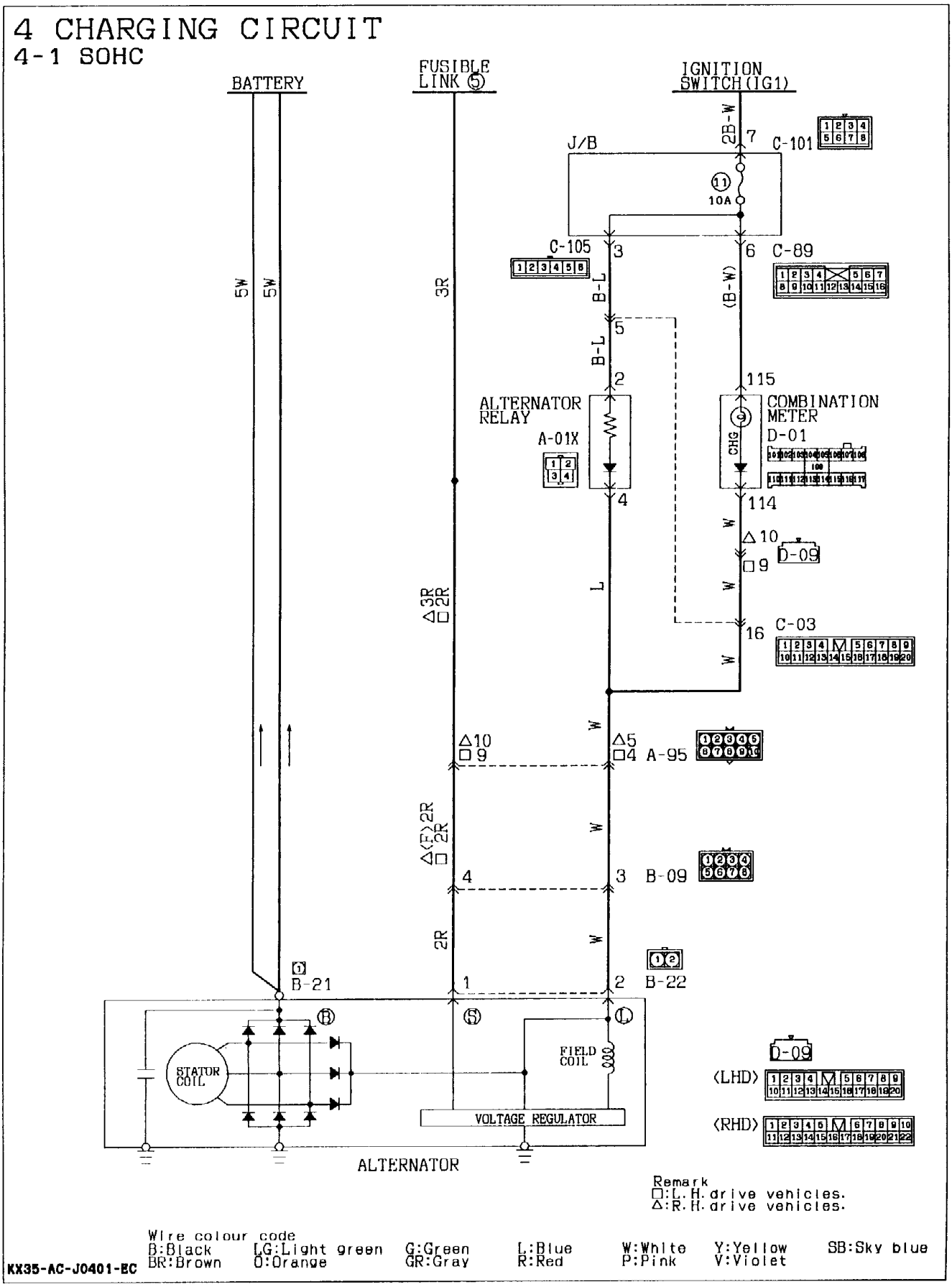
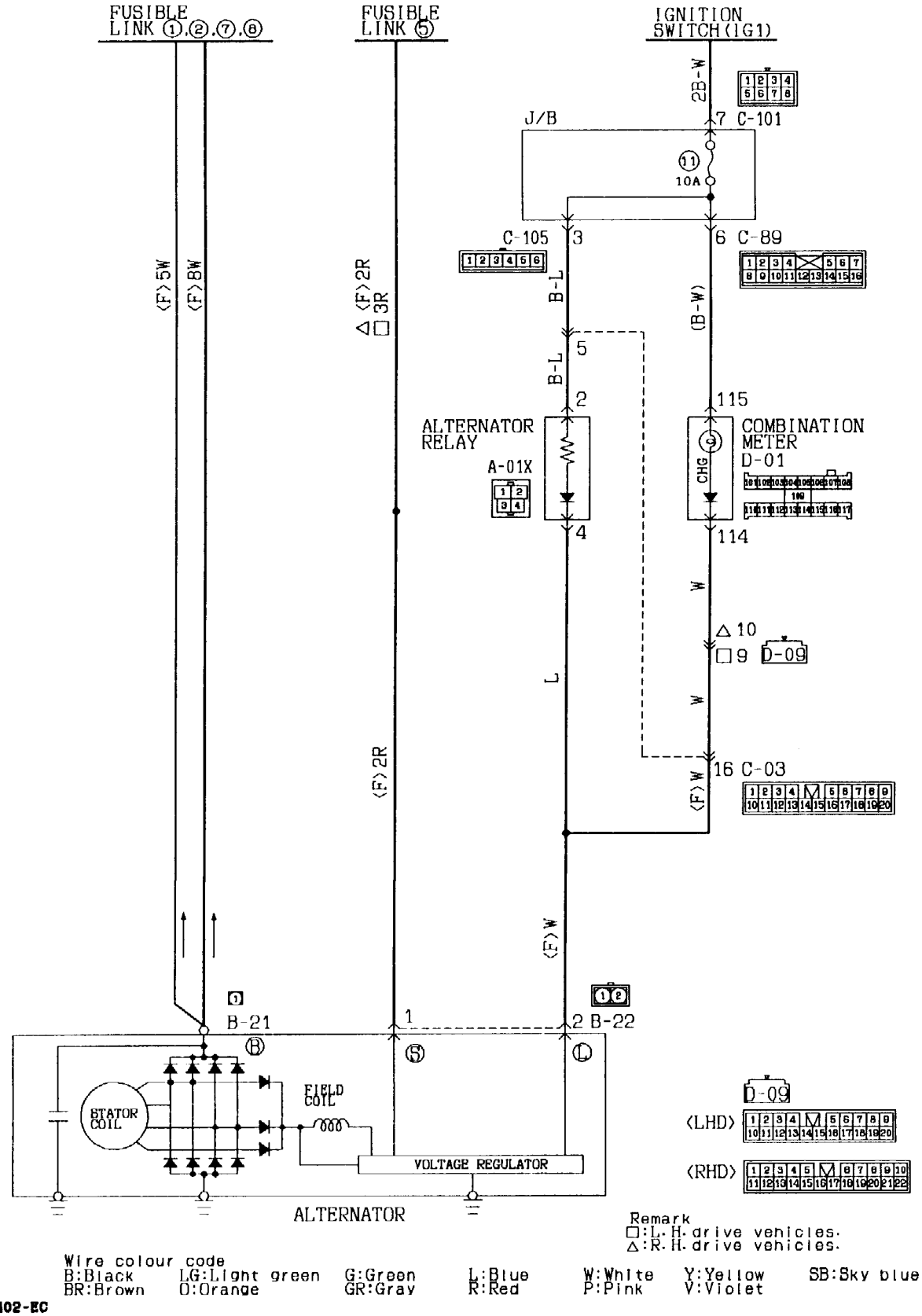


4-2 DOHC



KX35-AC-J0402-EC

CHARGING CIRCUIT (See P. 4-20, 21.)

OPERATION

When engine is stationary

- When the ignition switch is turned to the ON position, current flows the alternator L terminal to the field coil and, at the same time, the charge warning lamp lights up.

When engine is started and after engine has started

- When the engine is started, the charge warning lamp goes out because of the charging voltage being applied to the alternator L terminal.
- The battery voltage being applied to the alternator S terminal is monitored by the IC voltage regulator. Hence, the amount of electricity produced by the alternator is controlled by allowing and cutting off the current flowing to the field coil.
- The alternator B terminal supplies power to each load.

Remark

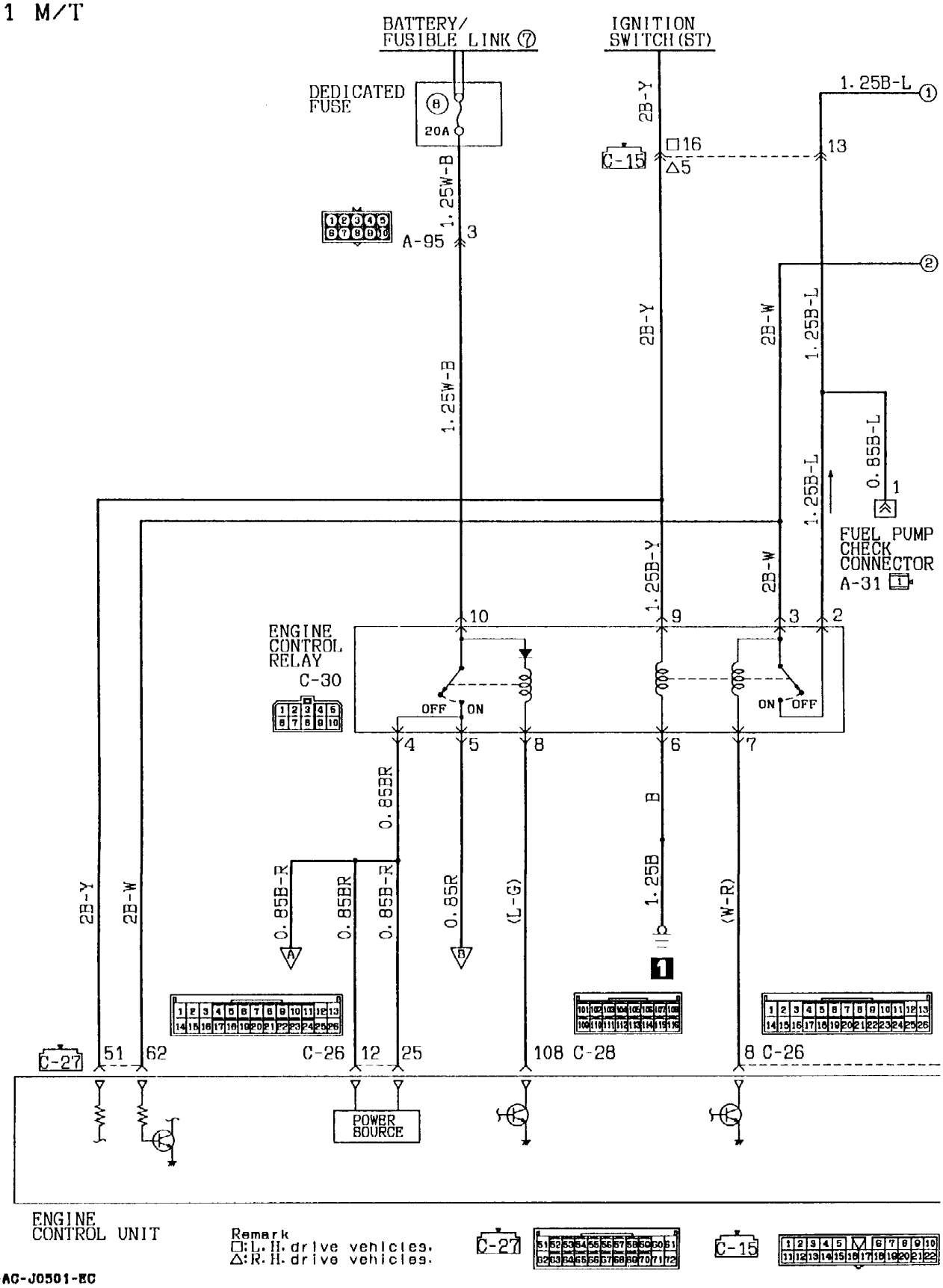
- The alternator relay is provided to back up the flow of current to the field coil when the charge warning lamp is open.

TROUBLESHOOTING HINTS

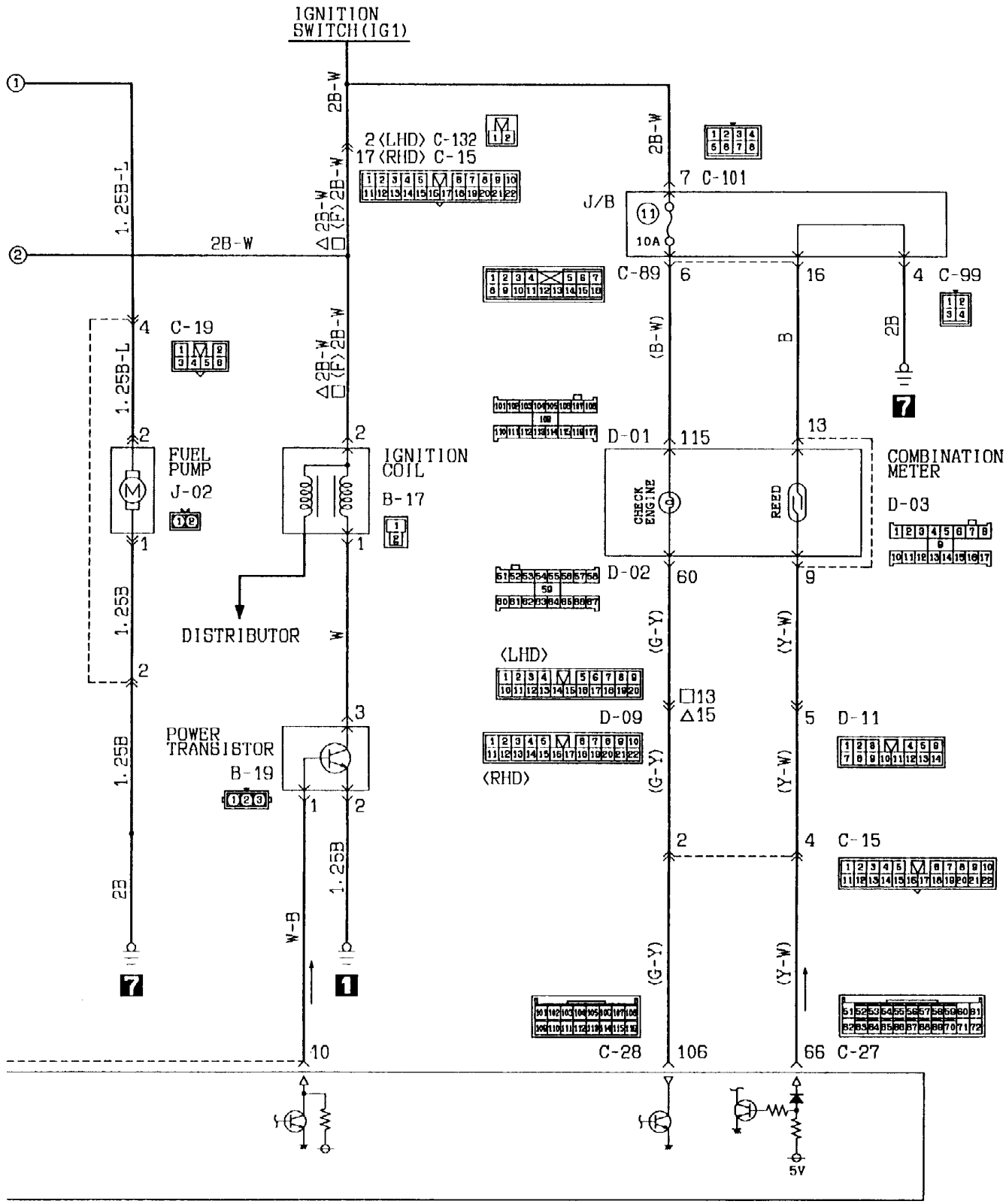
1. Charging indicator lamp does not go on when the ignition switch is turned to "ON", before the engine starts.
   - Check the lamp bulb.
2. Charging indicator lamp fails to go off once the engine starts.
   - Check IC voltage regulator of alternator.
3. Discharged or overcharged battery.
   - Check IC voltage regulator of alternator.
4. Charge warning lamp lights up dimly.
   - Check combination meter diode (for short).

5 MPI-SOHC CIRCUIT

5-1 M/T

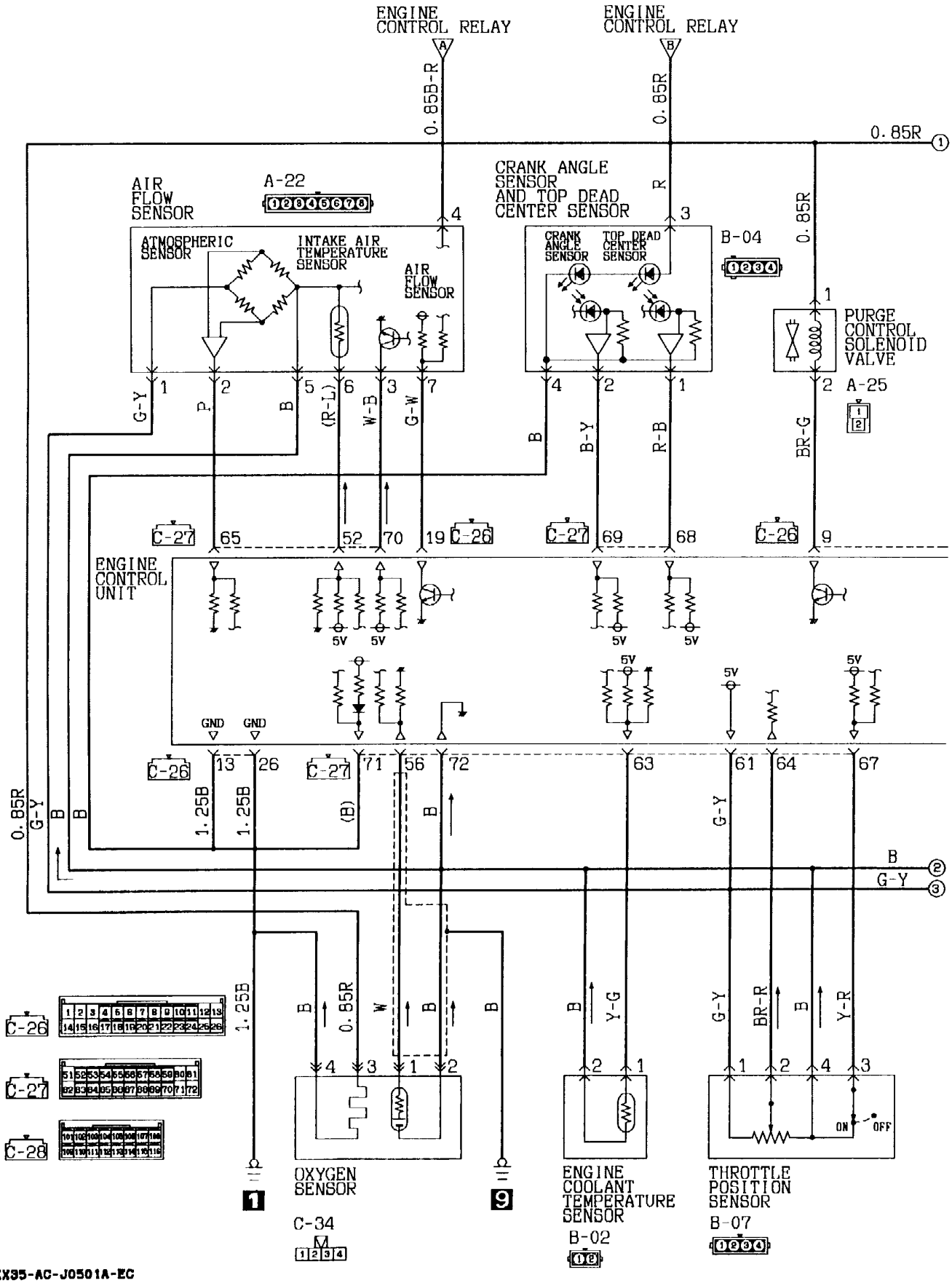


KX35-AC-J0501-EC

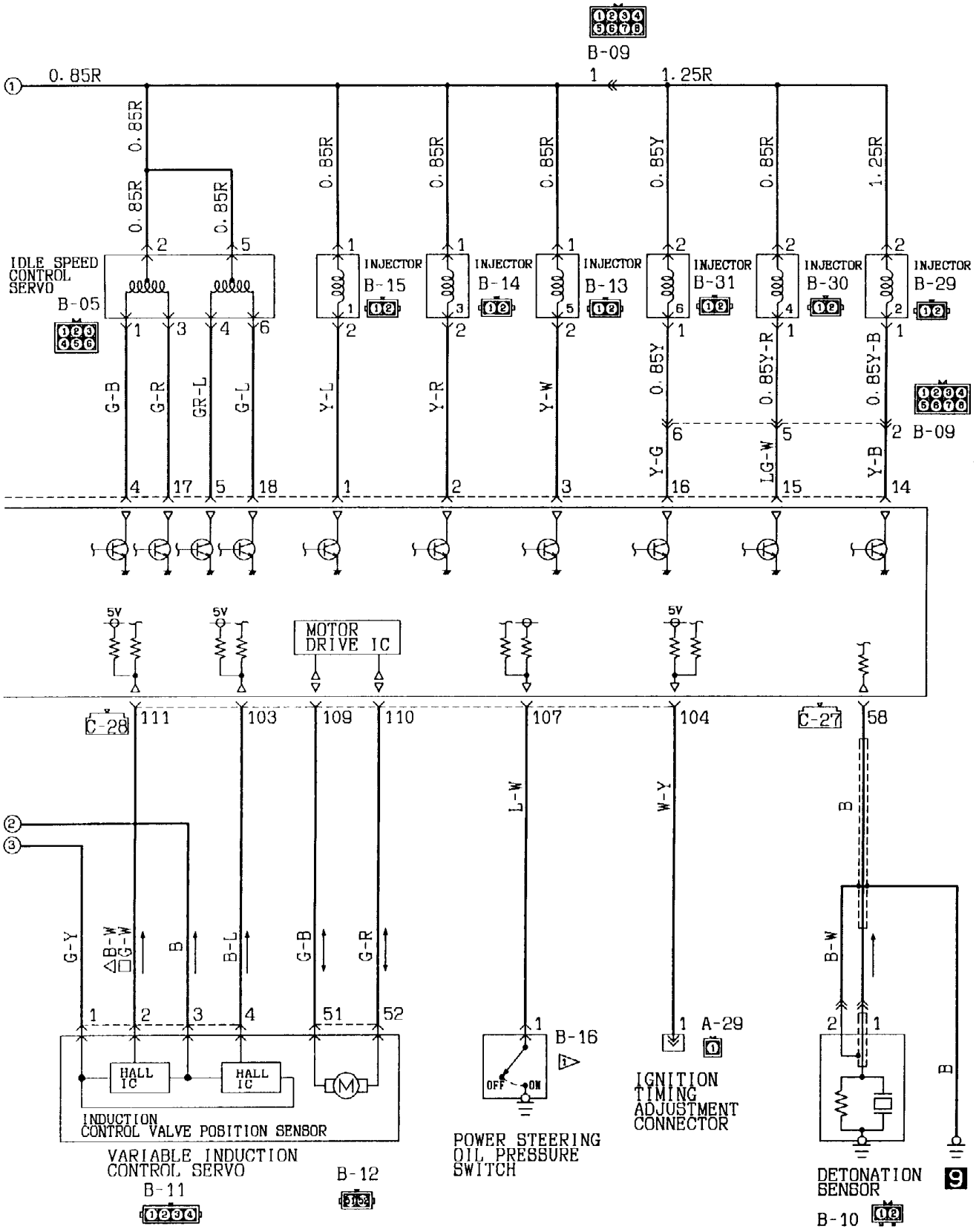


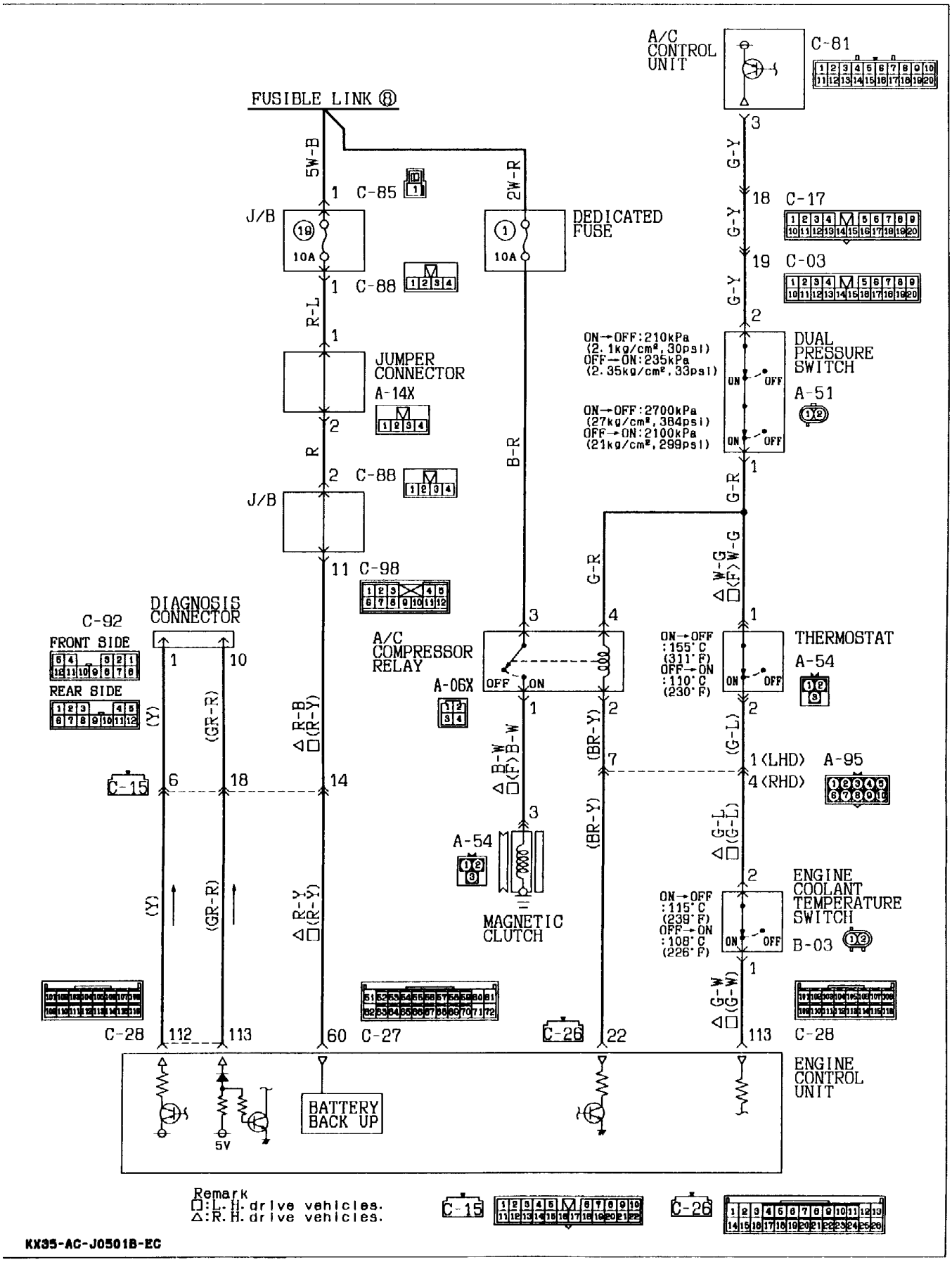
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	



KX35-AC-J0501A-EC





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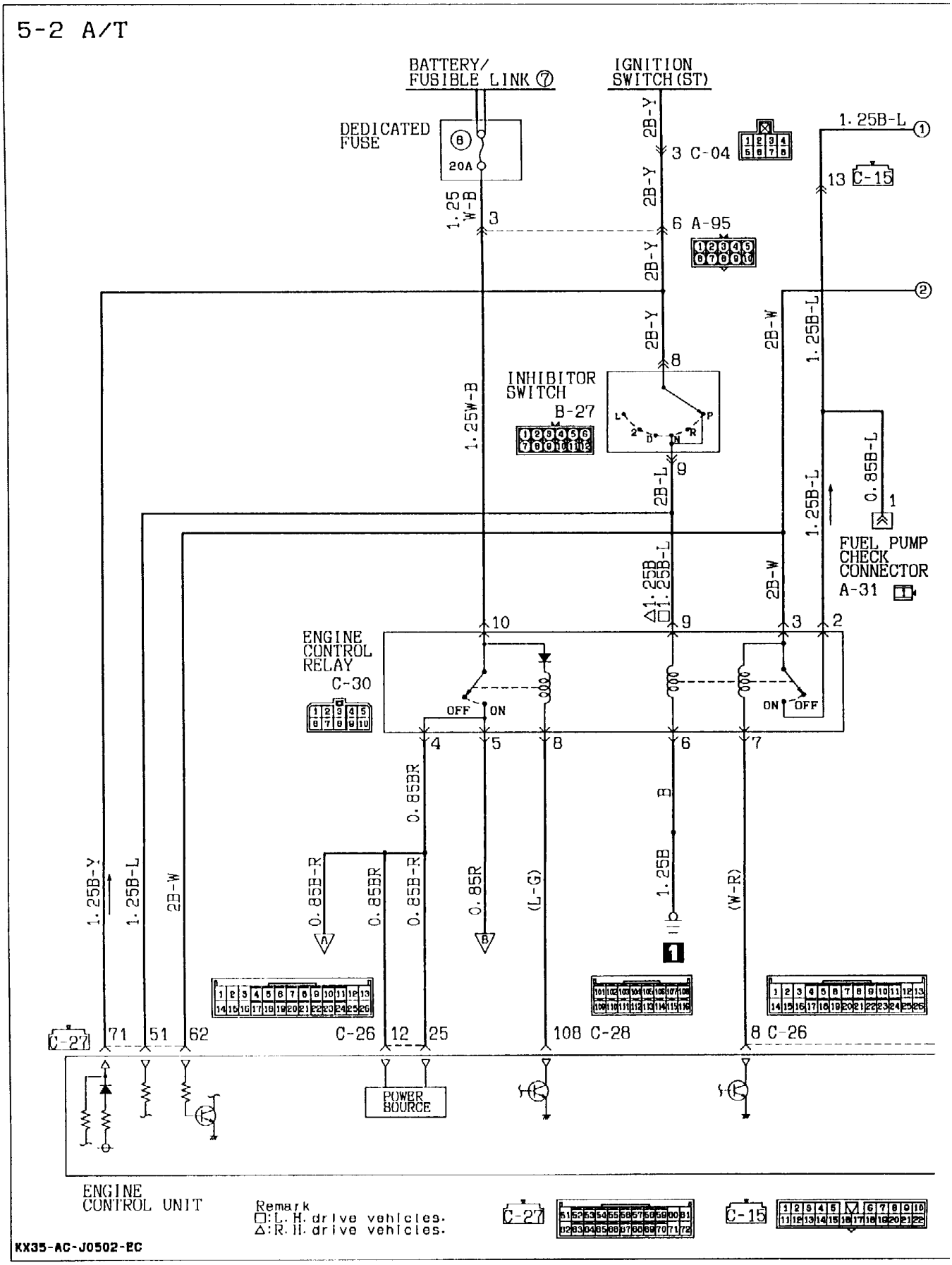
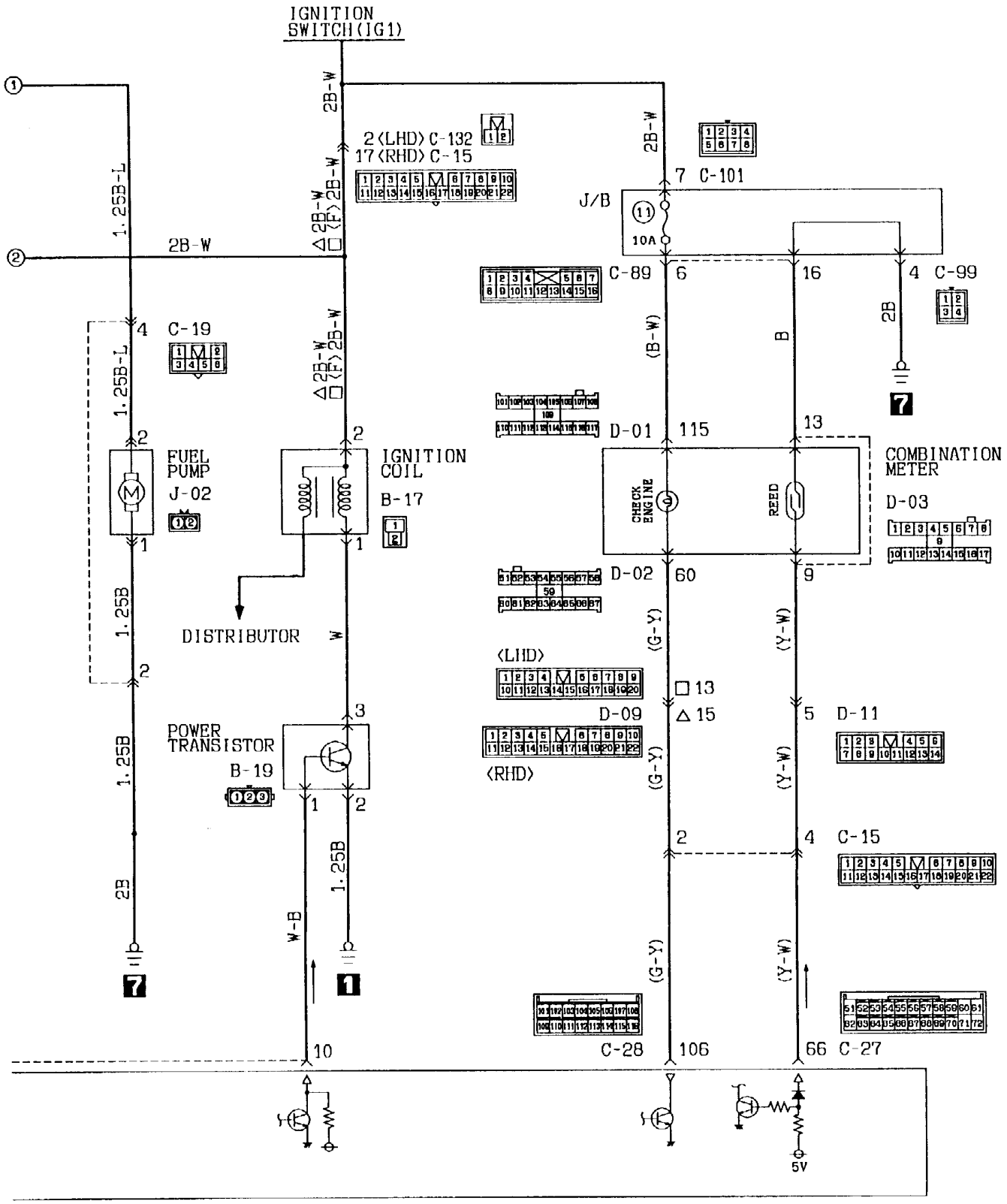
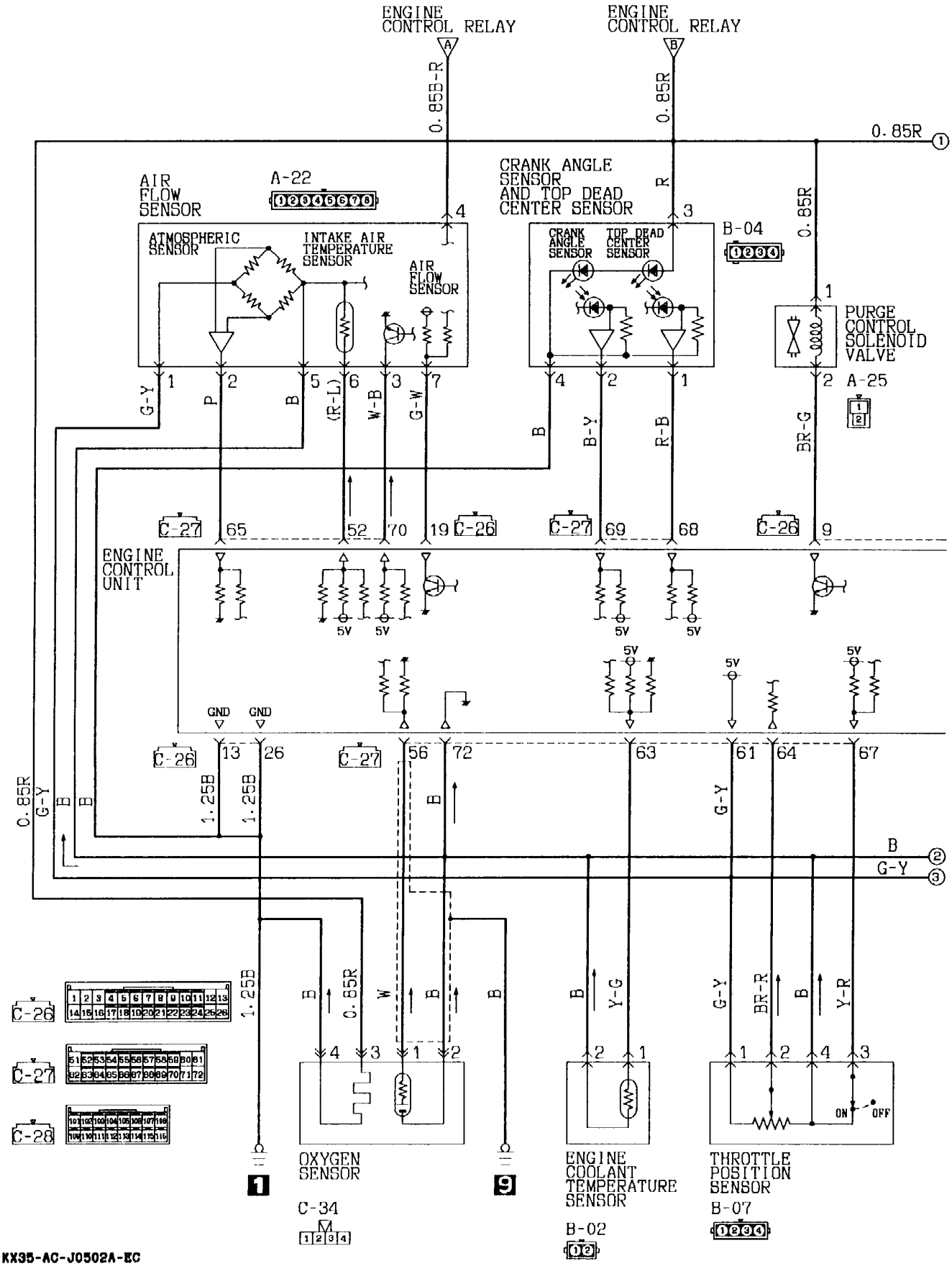




Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	



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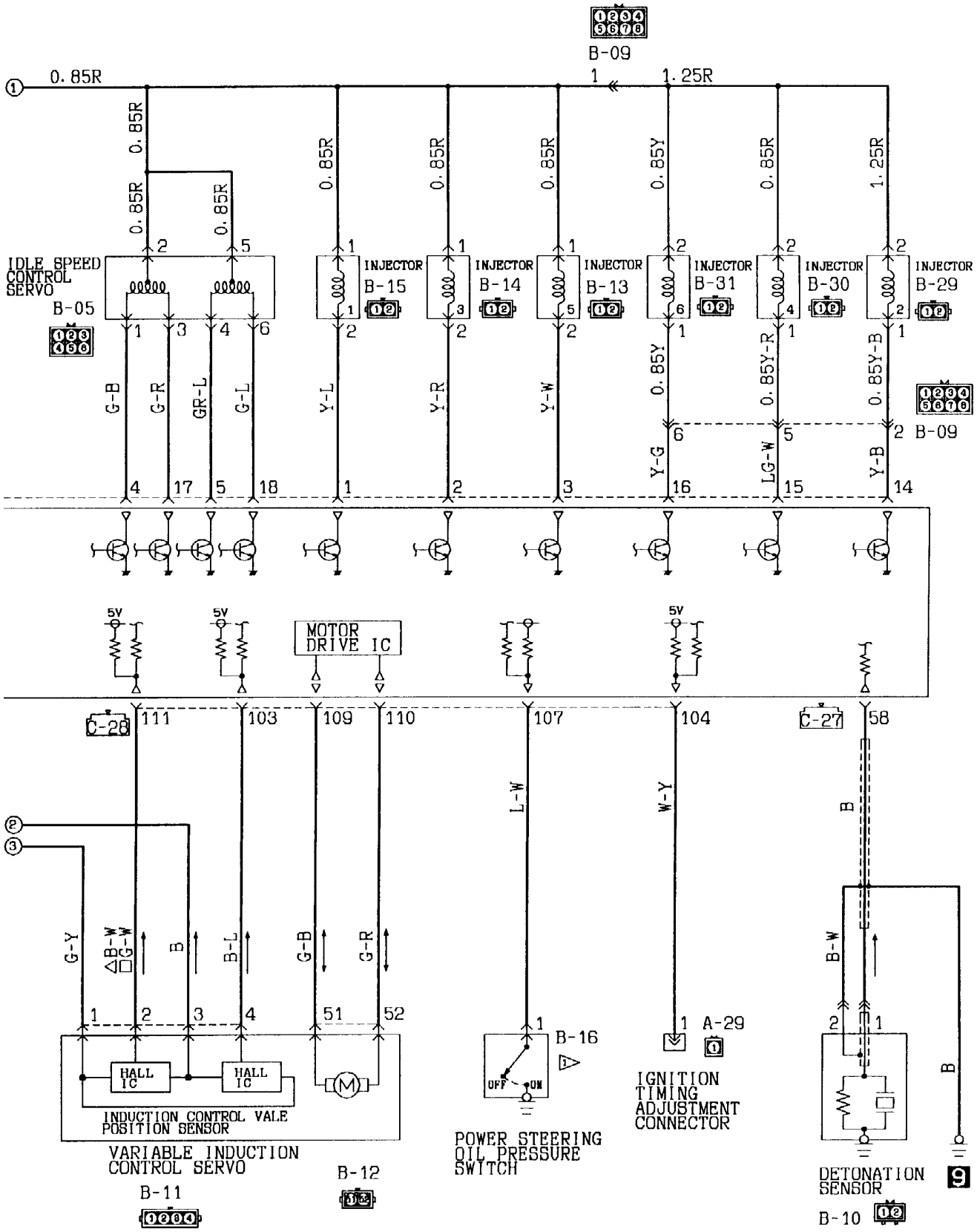
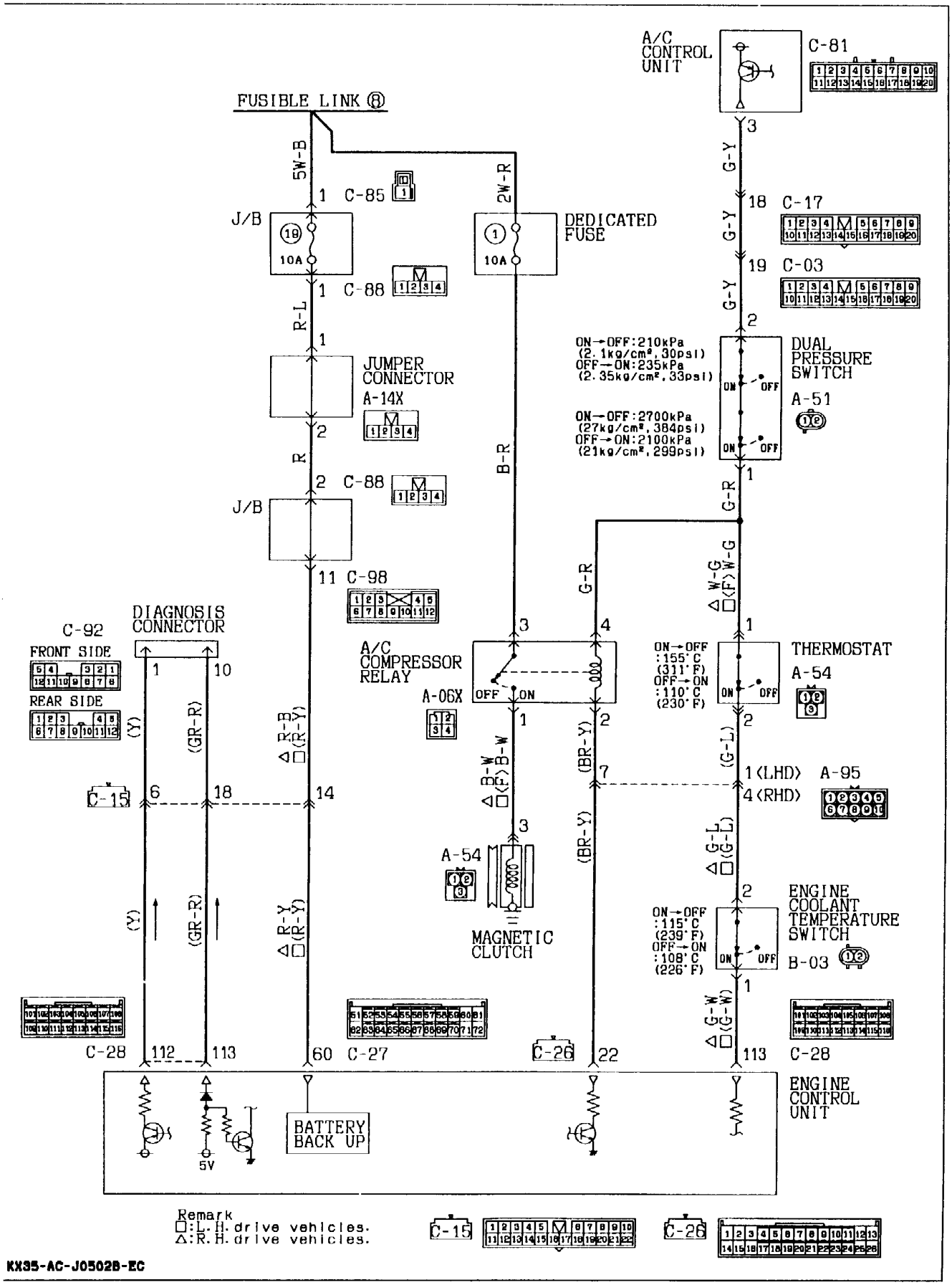
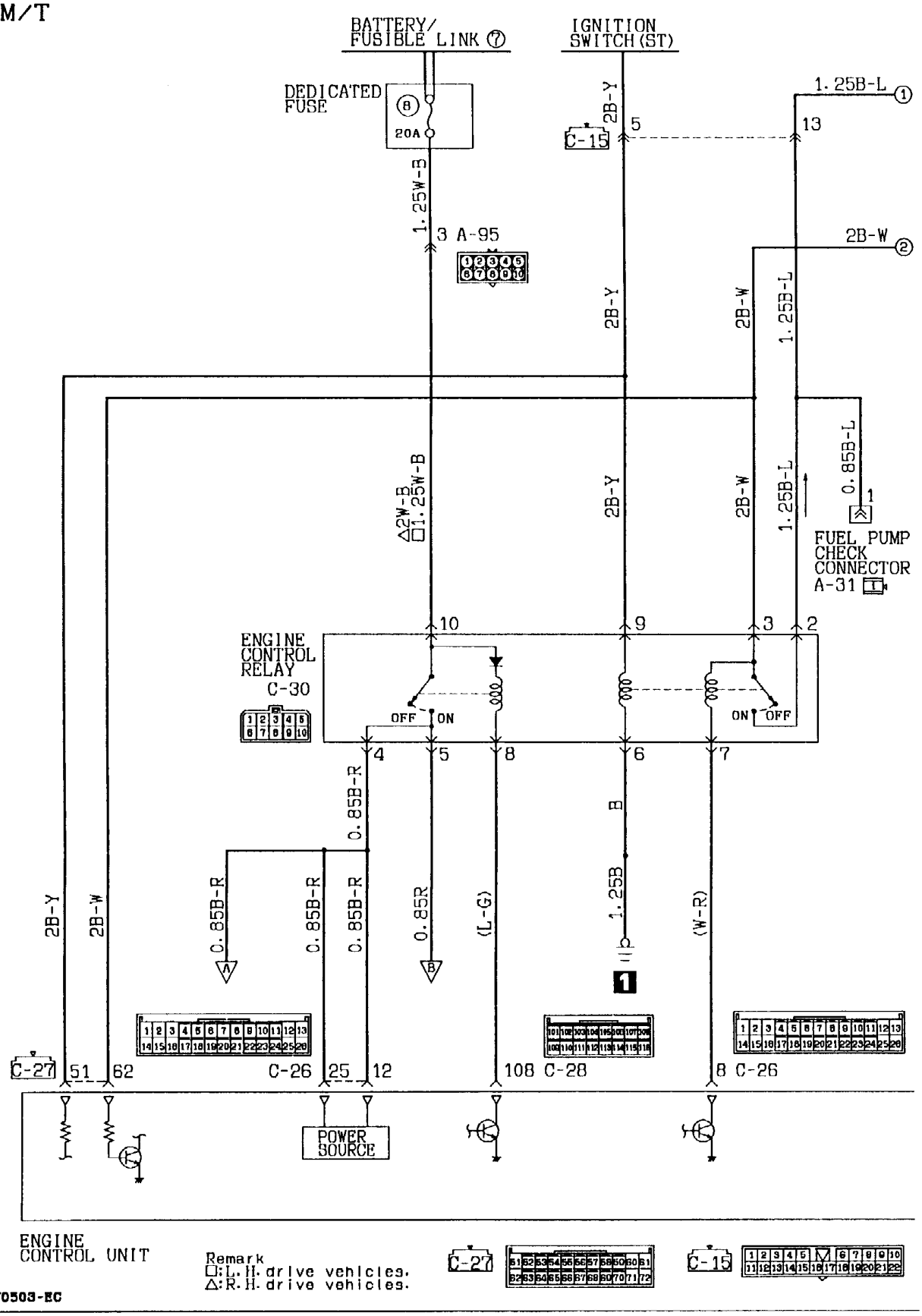




KX35-AC-J0502B-EC

6 MPI-DOHC CIRCUIT

6-1 M/T



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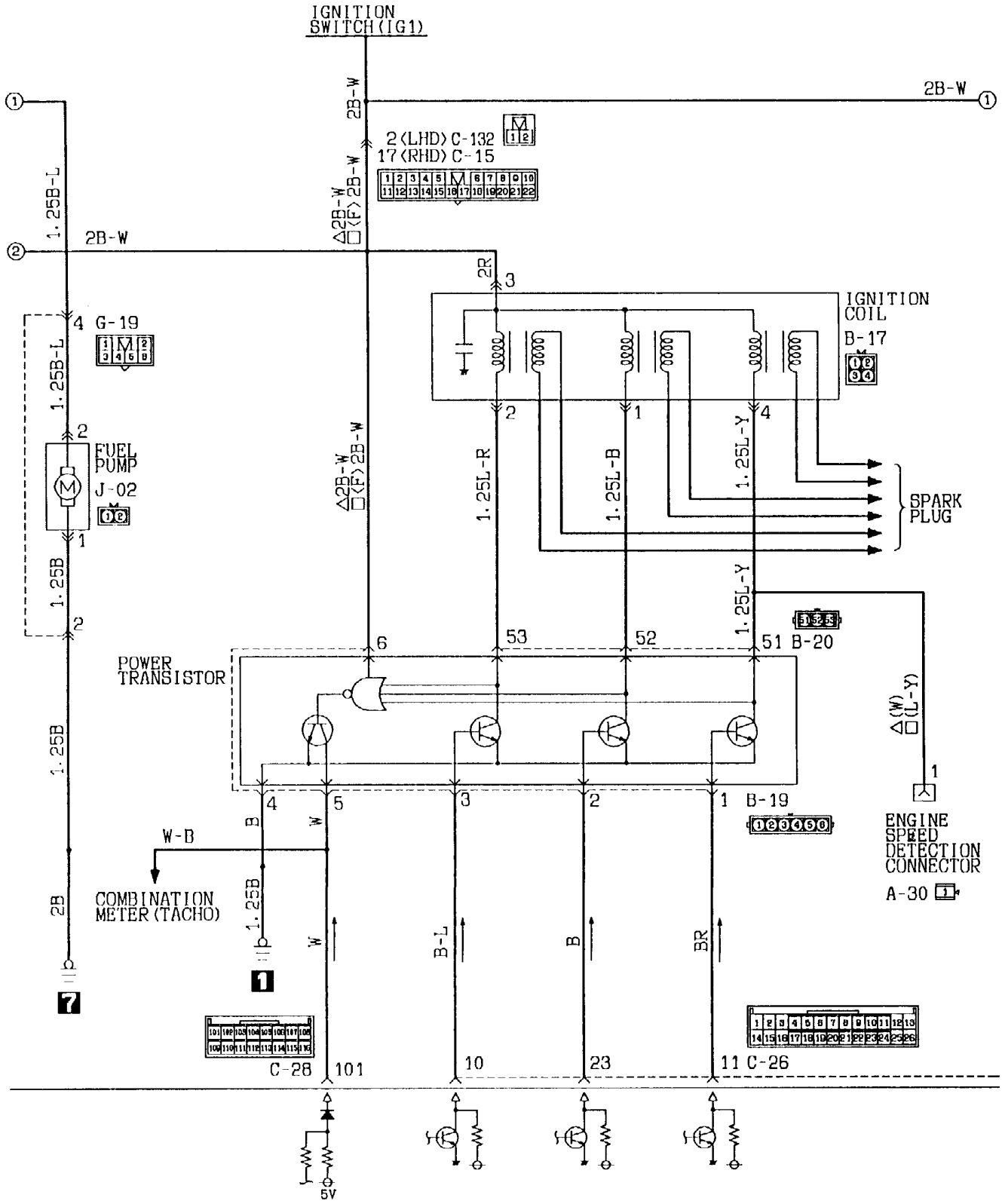

Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
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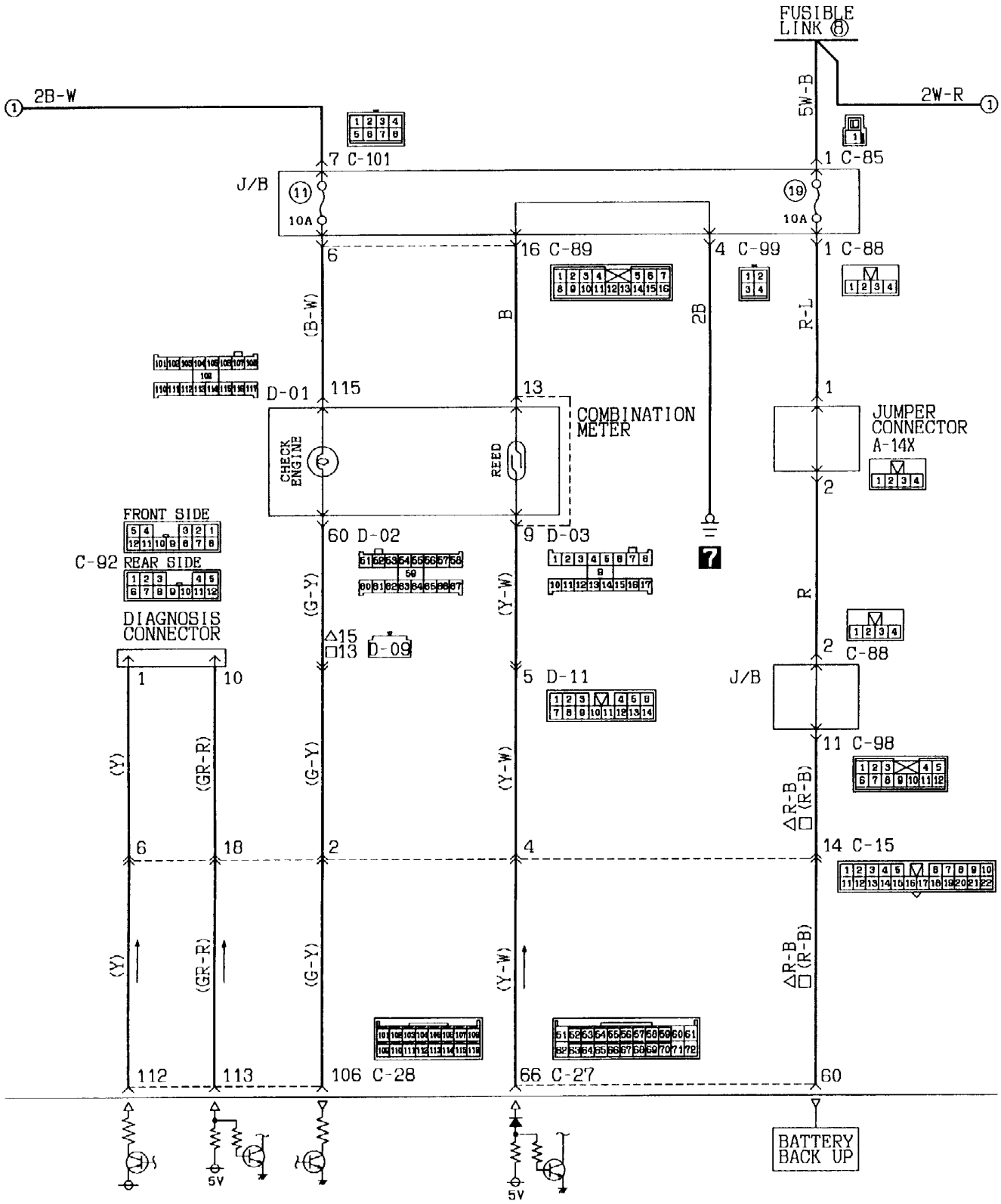
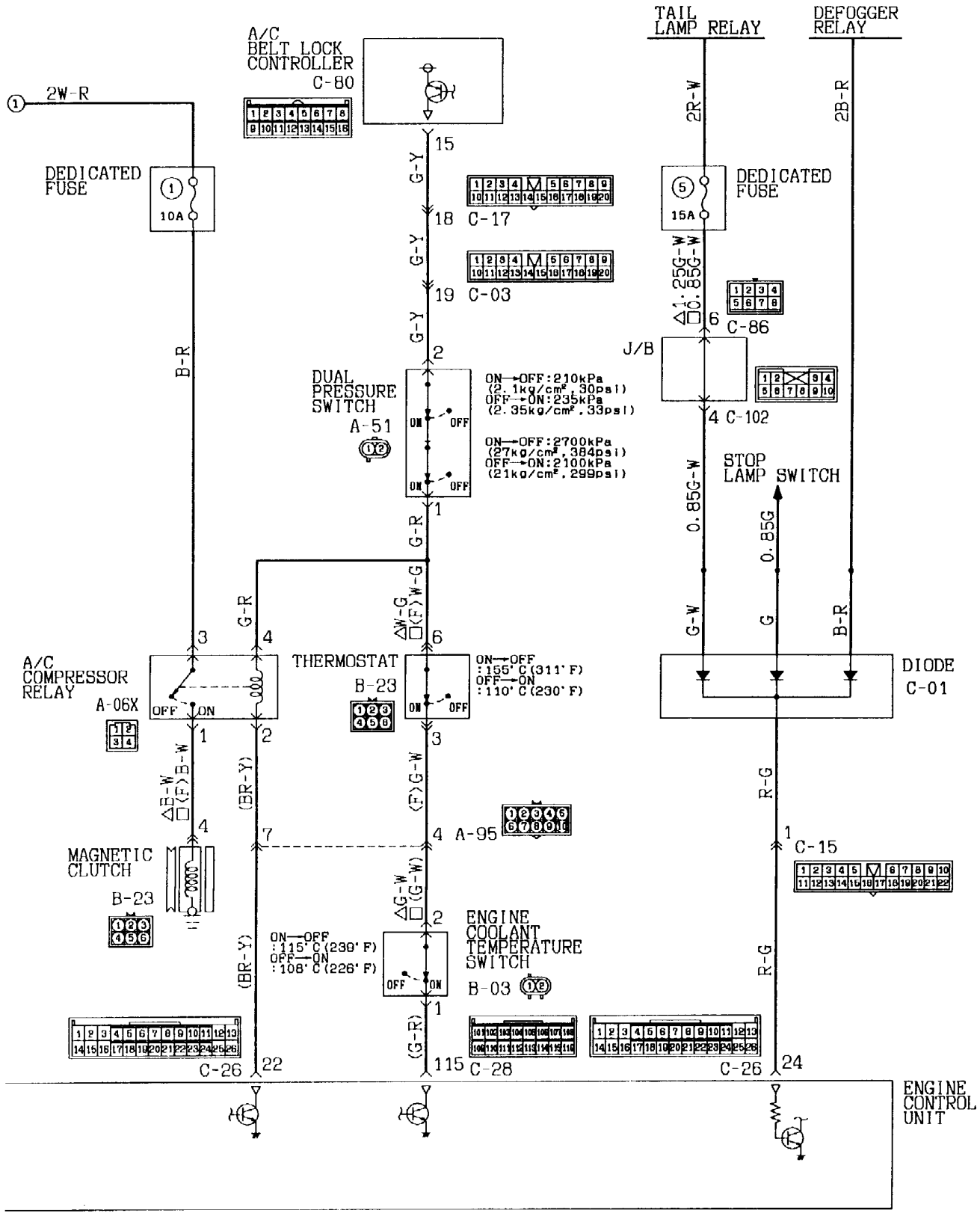


Remark
□: L. H. drive vehicles.
△: R. H. drive vehicles.

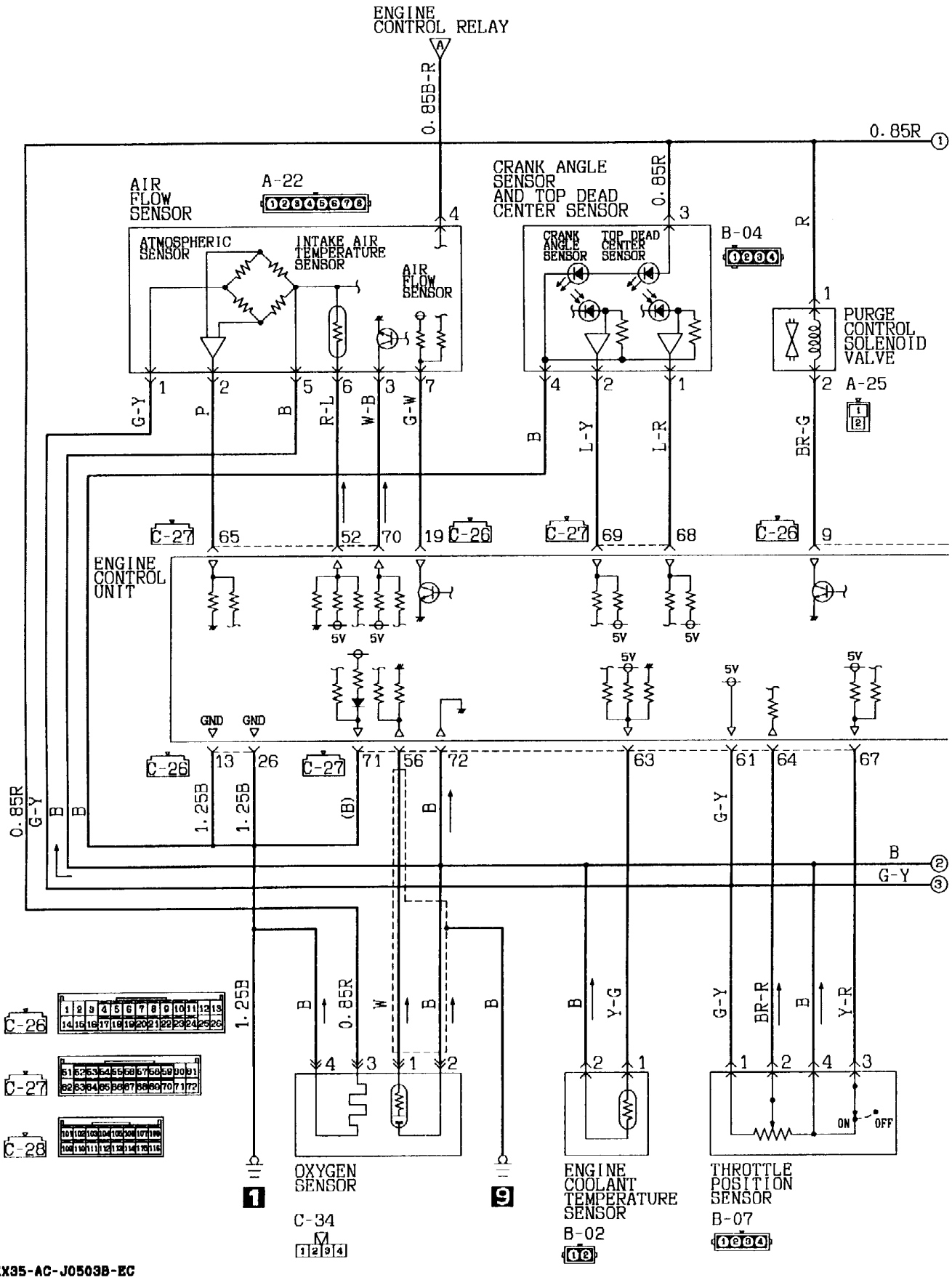
D-09 <LHD> <RHD>

KX35-AC-J0503A-EC



Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	



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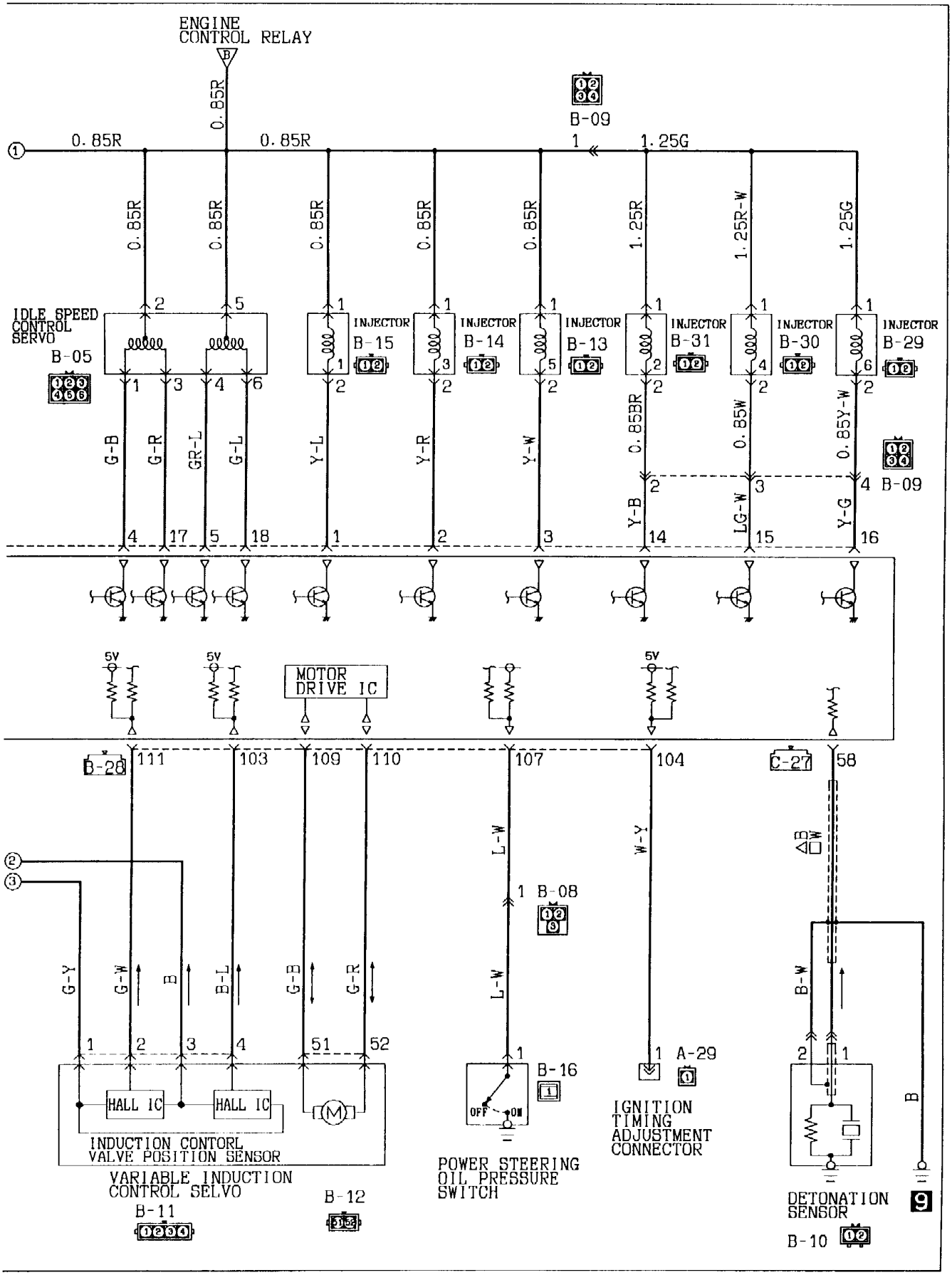
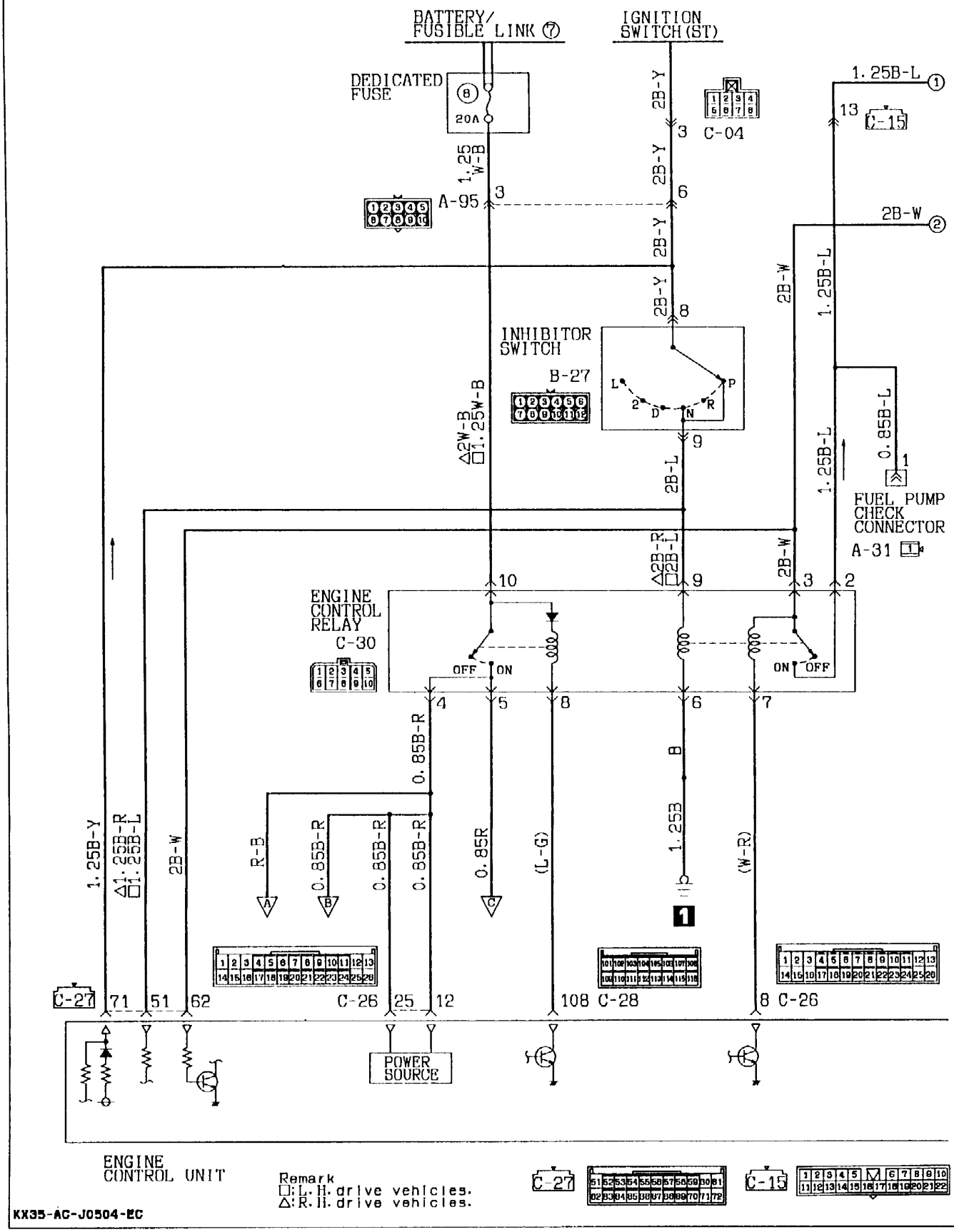
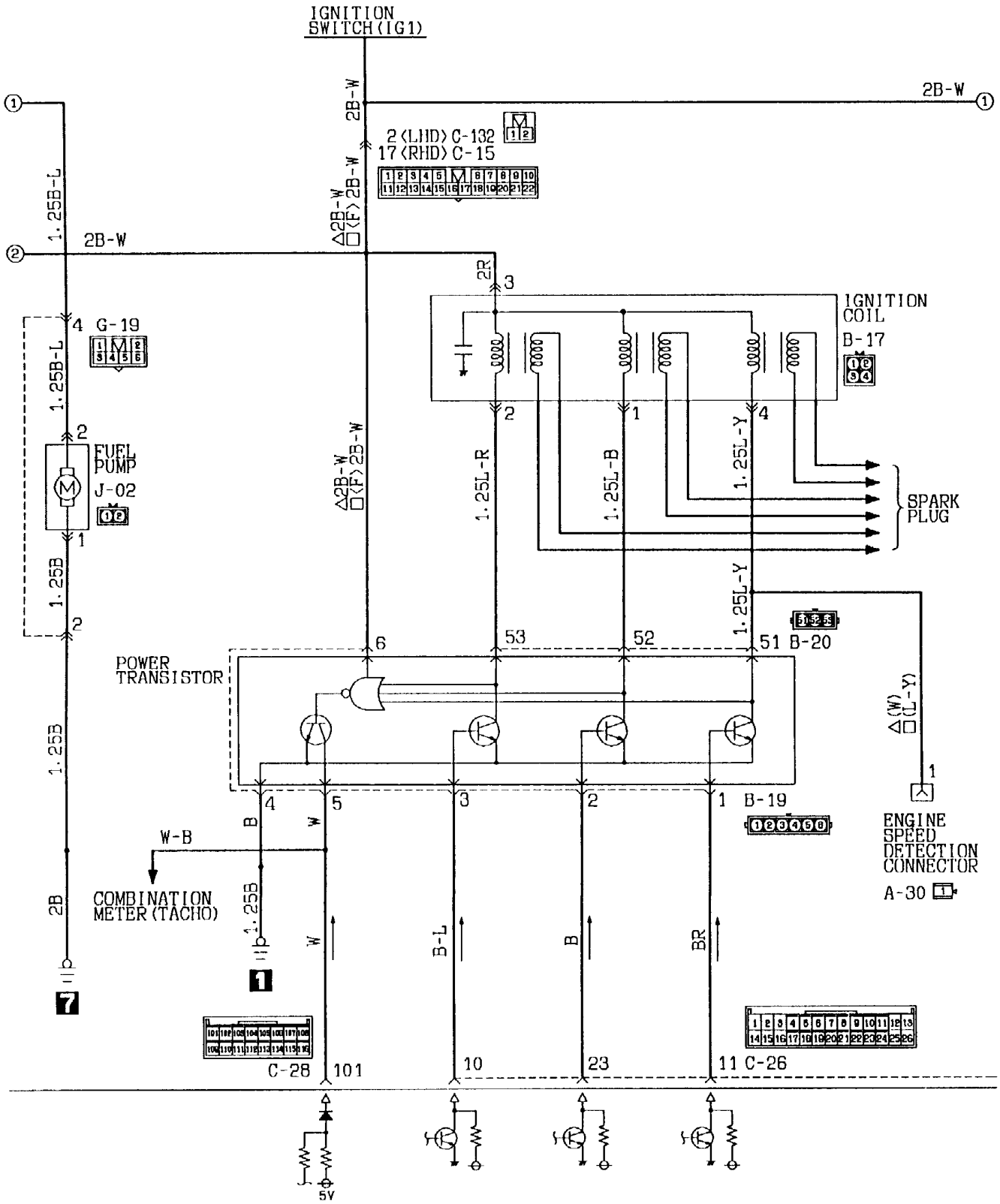


6-2 A/T〈With TCL〉





Wire colour code

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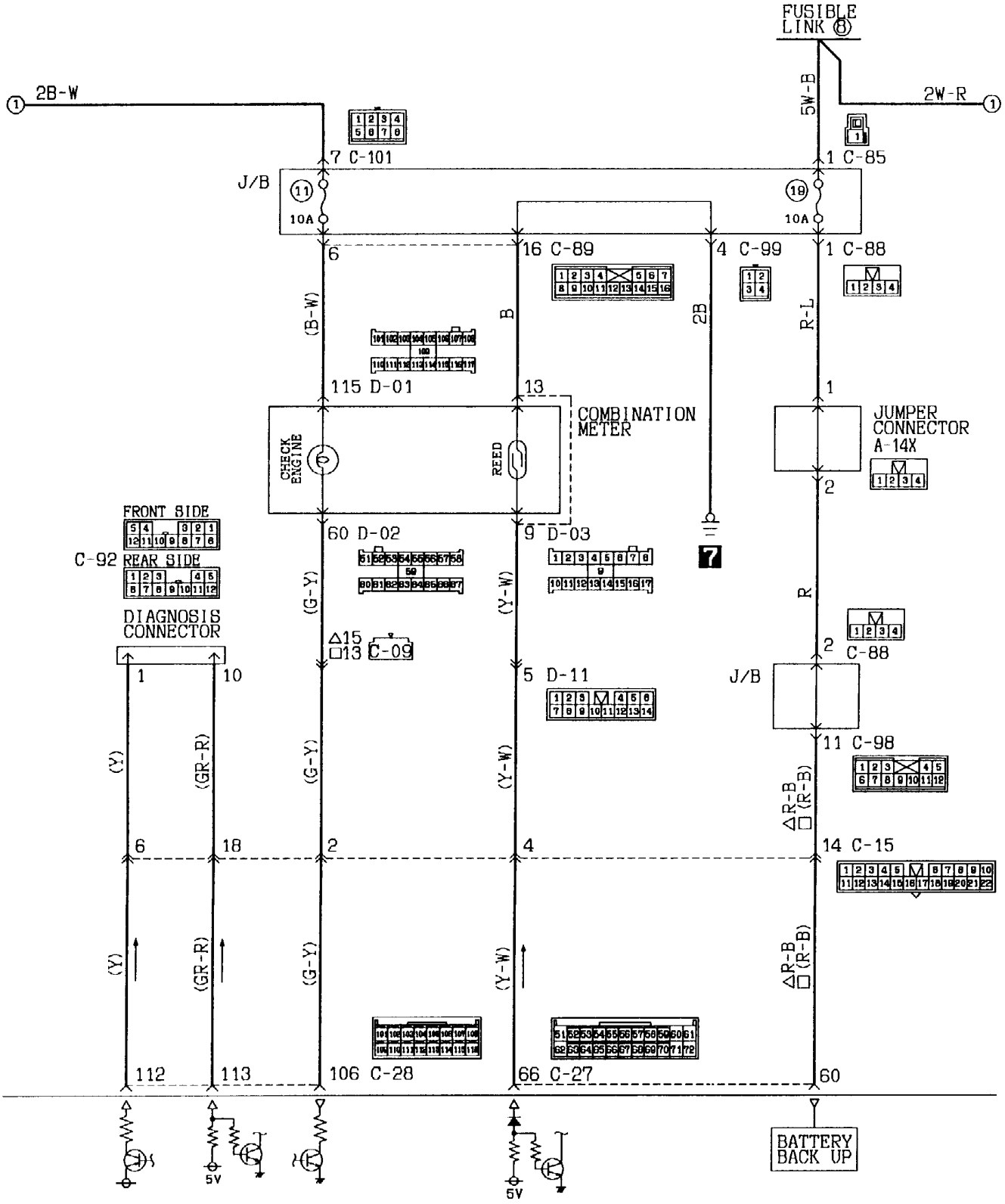
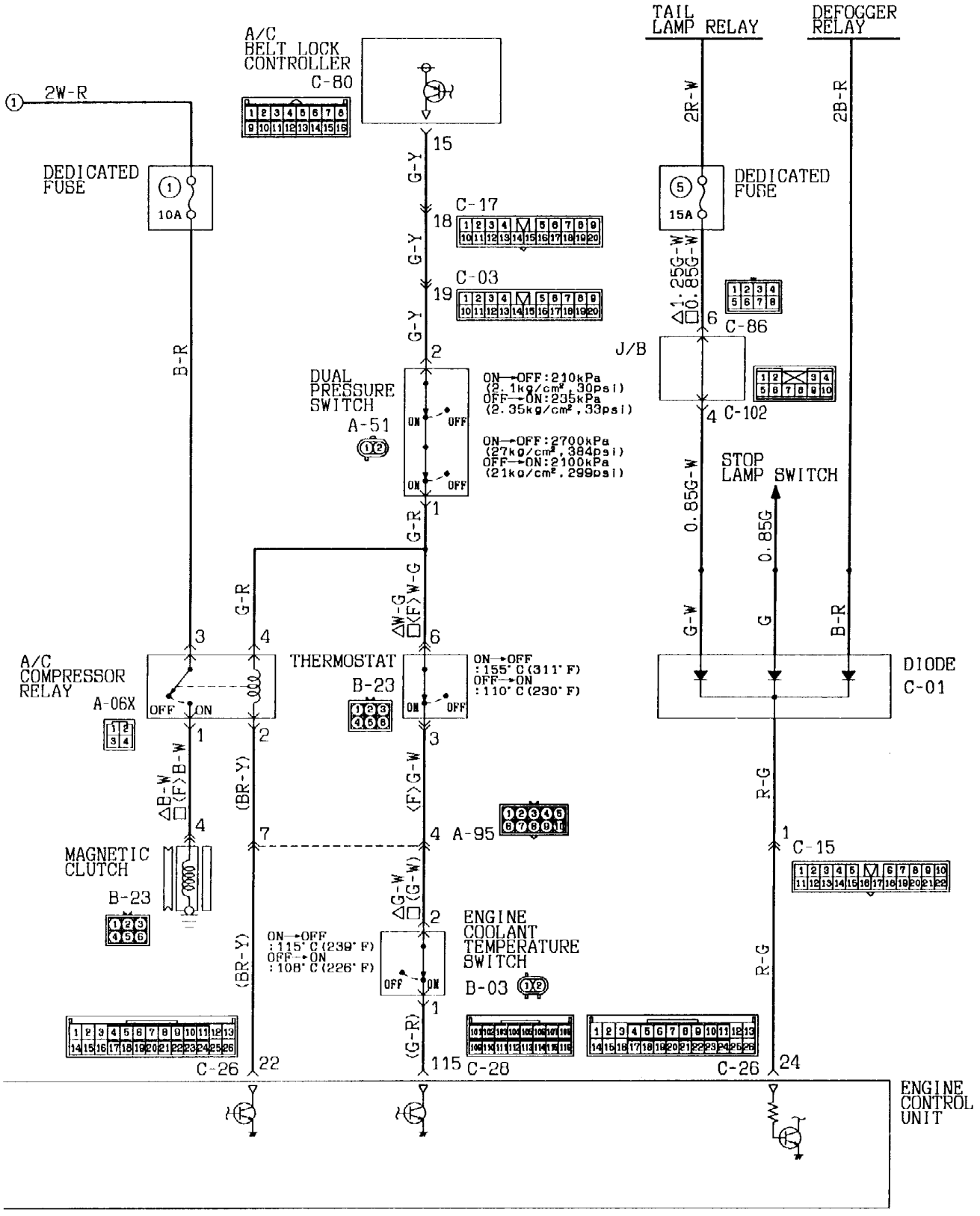
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	



Remark
□: L.H. drive vehicles.
△: R.H. drive vehicles.

D-09 ⟨LHD⟩ ⟨RHD⟩

KX35-AC-J0504A-EC



Wire colour code

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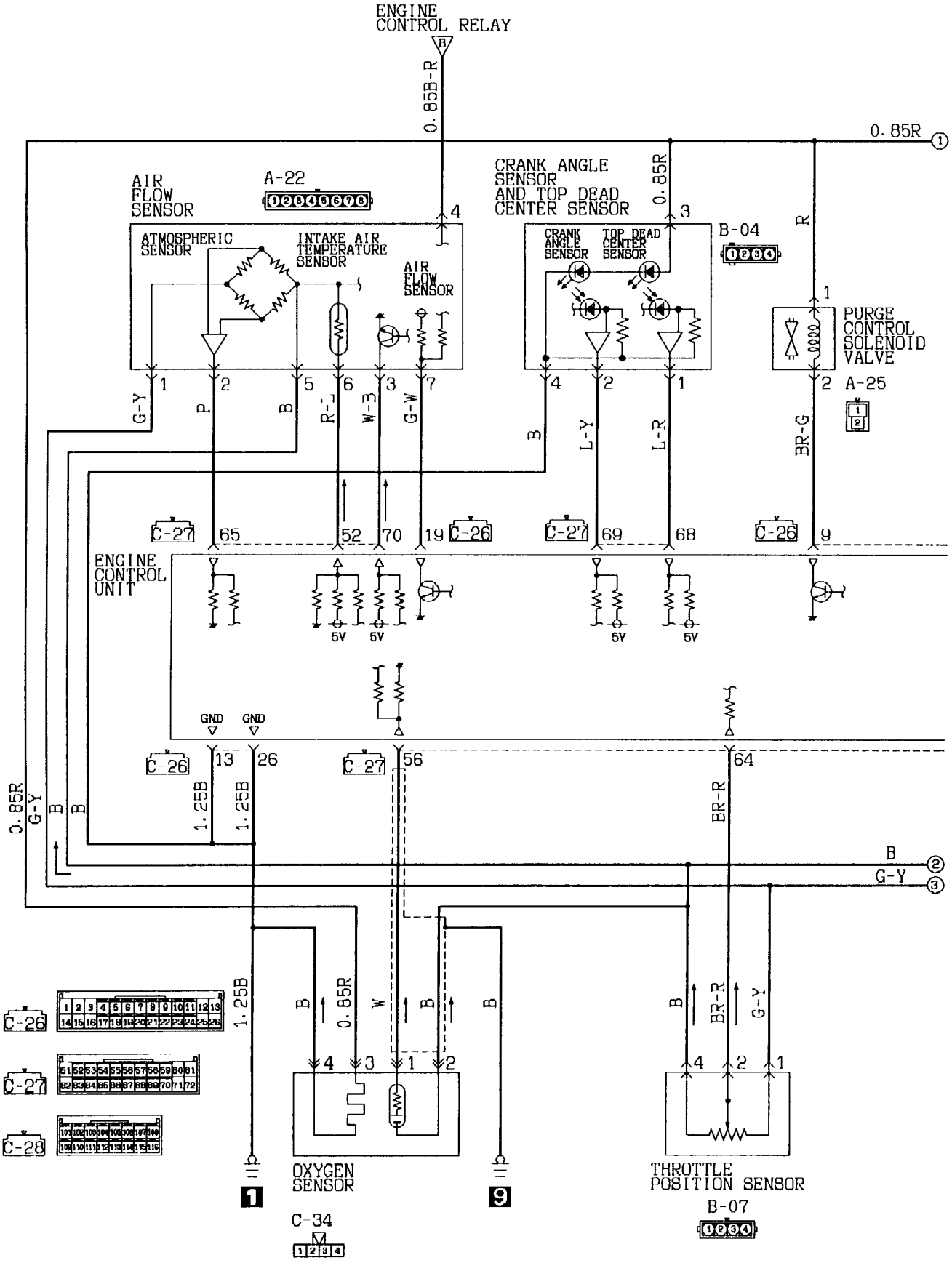
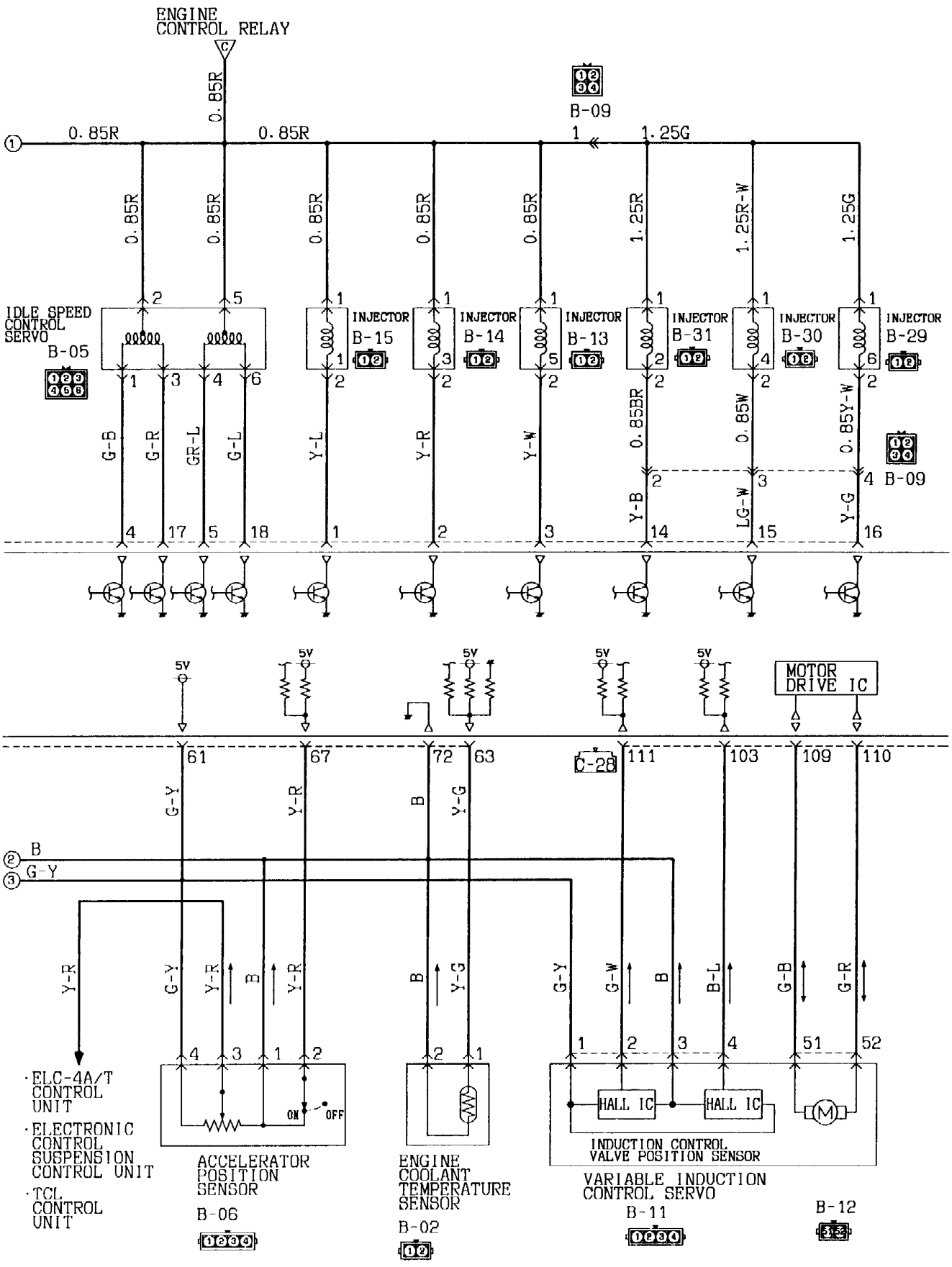
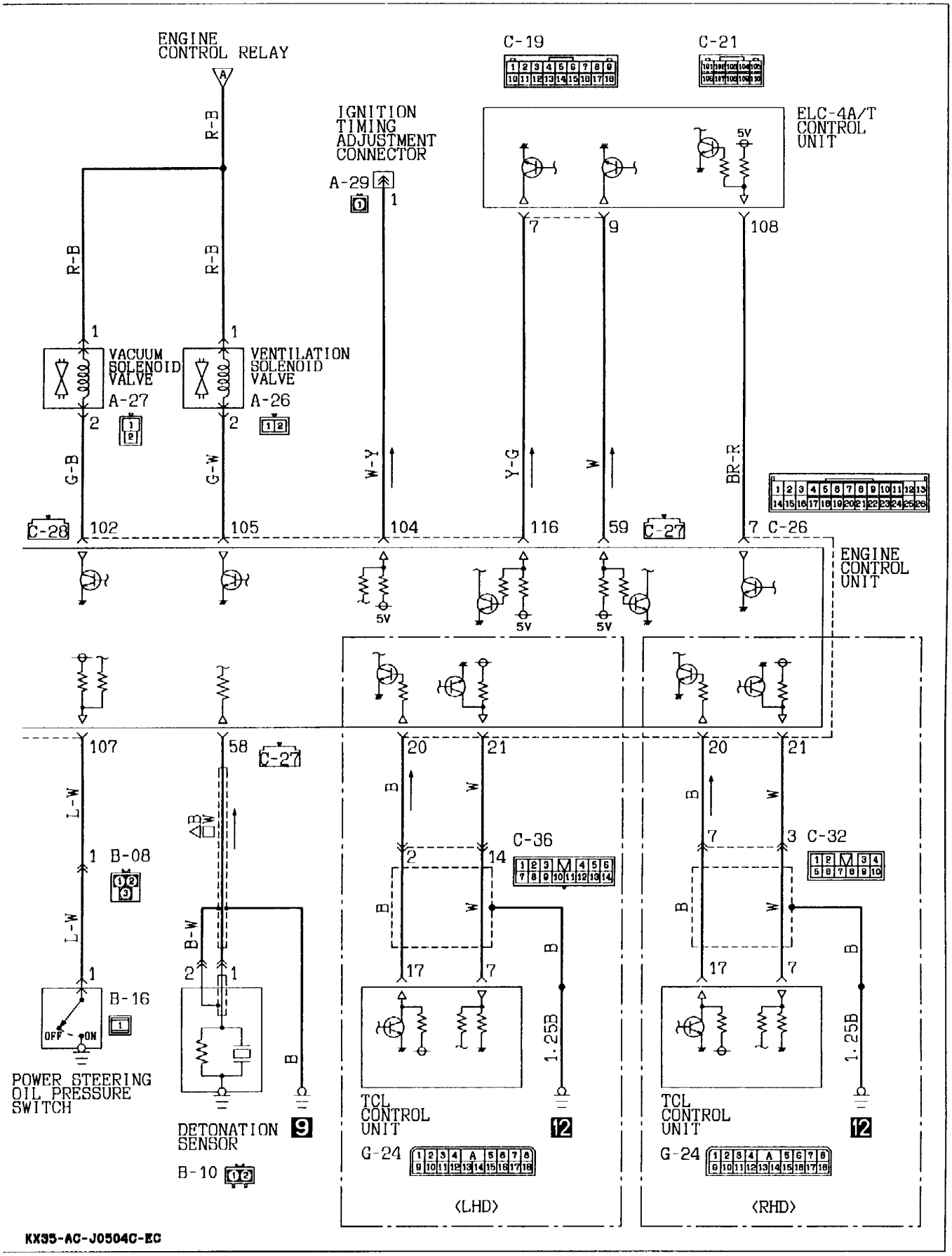
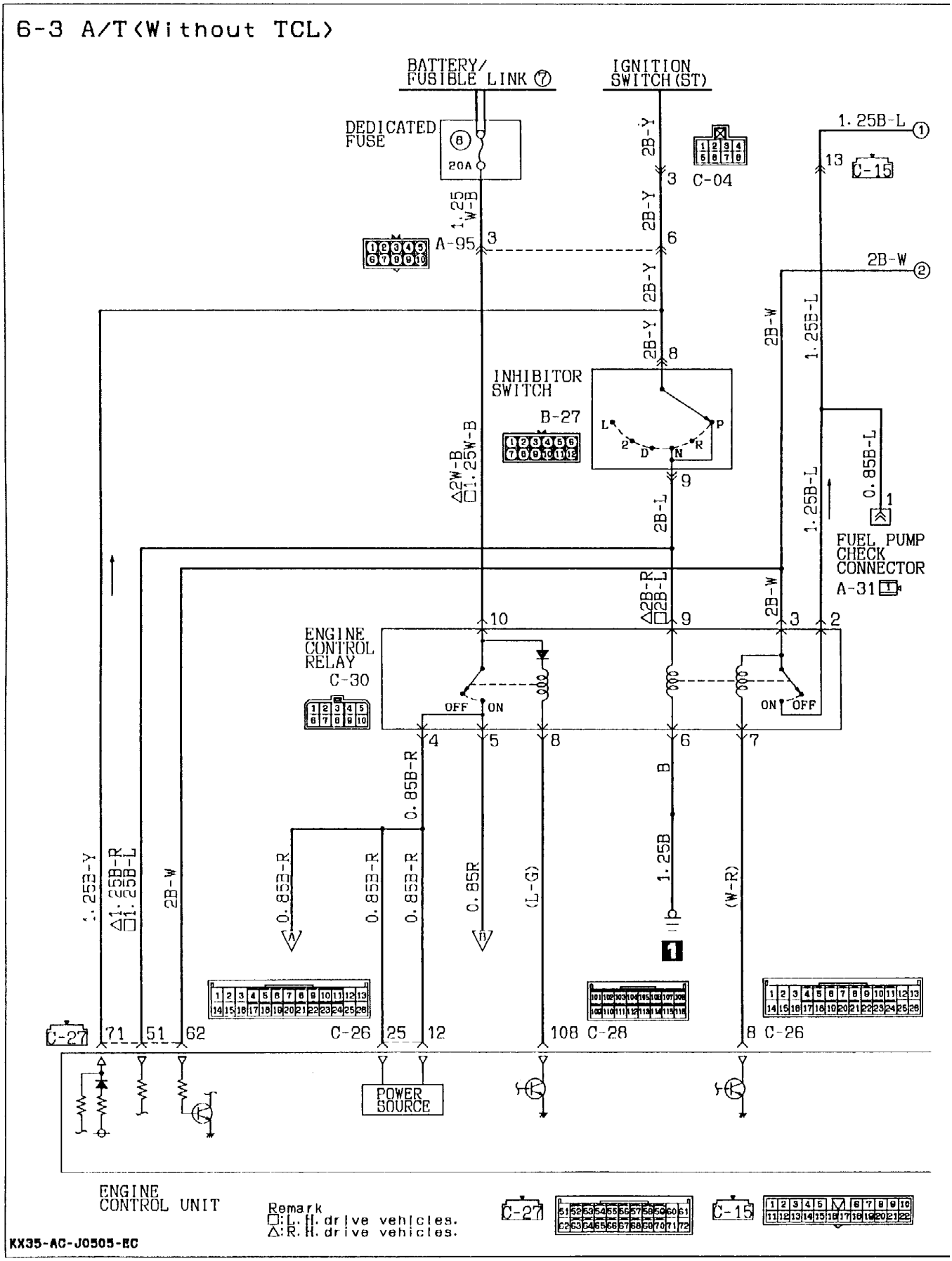
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

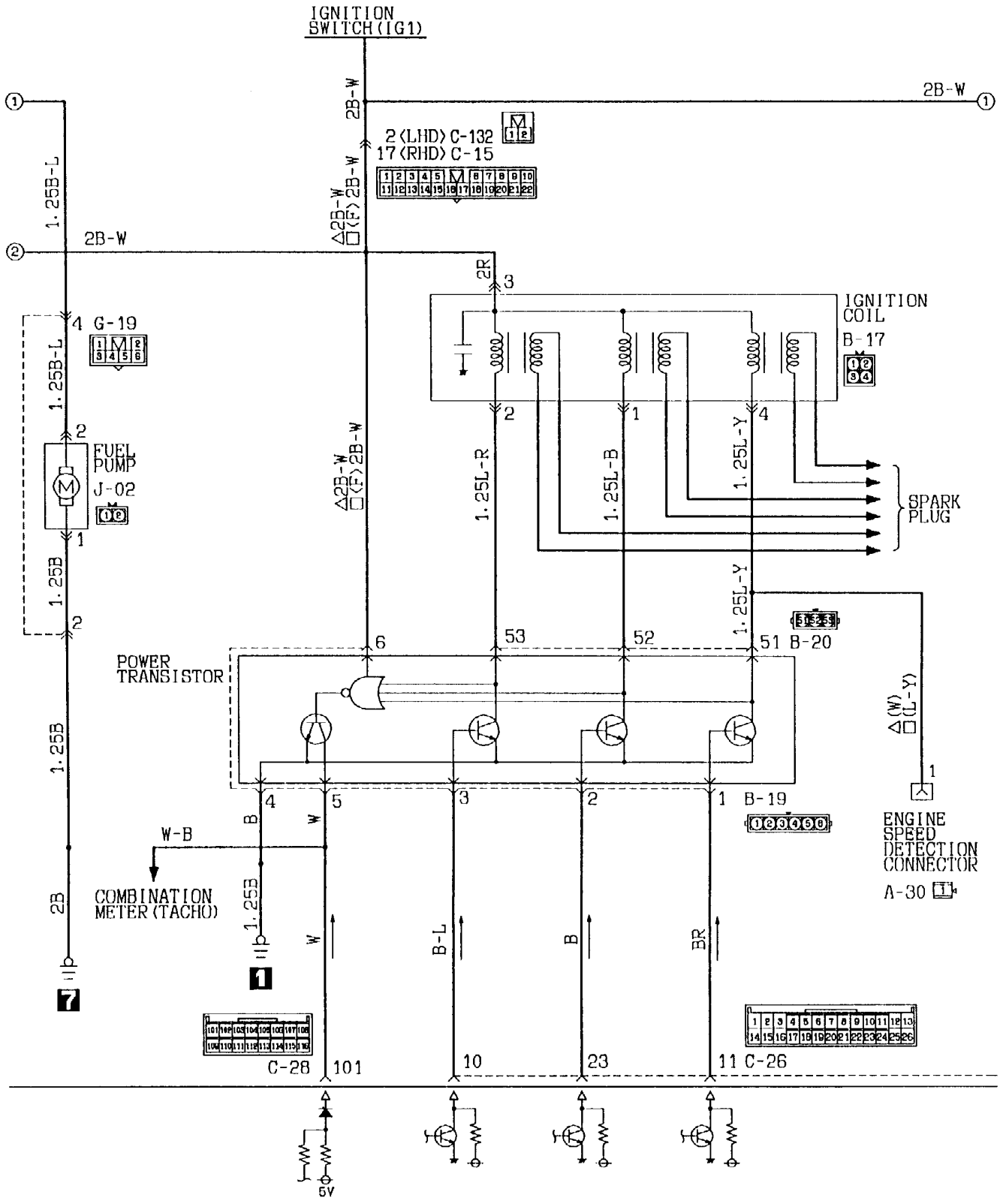






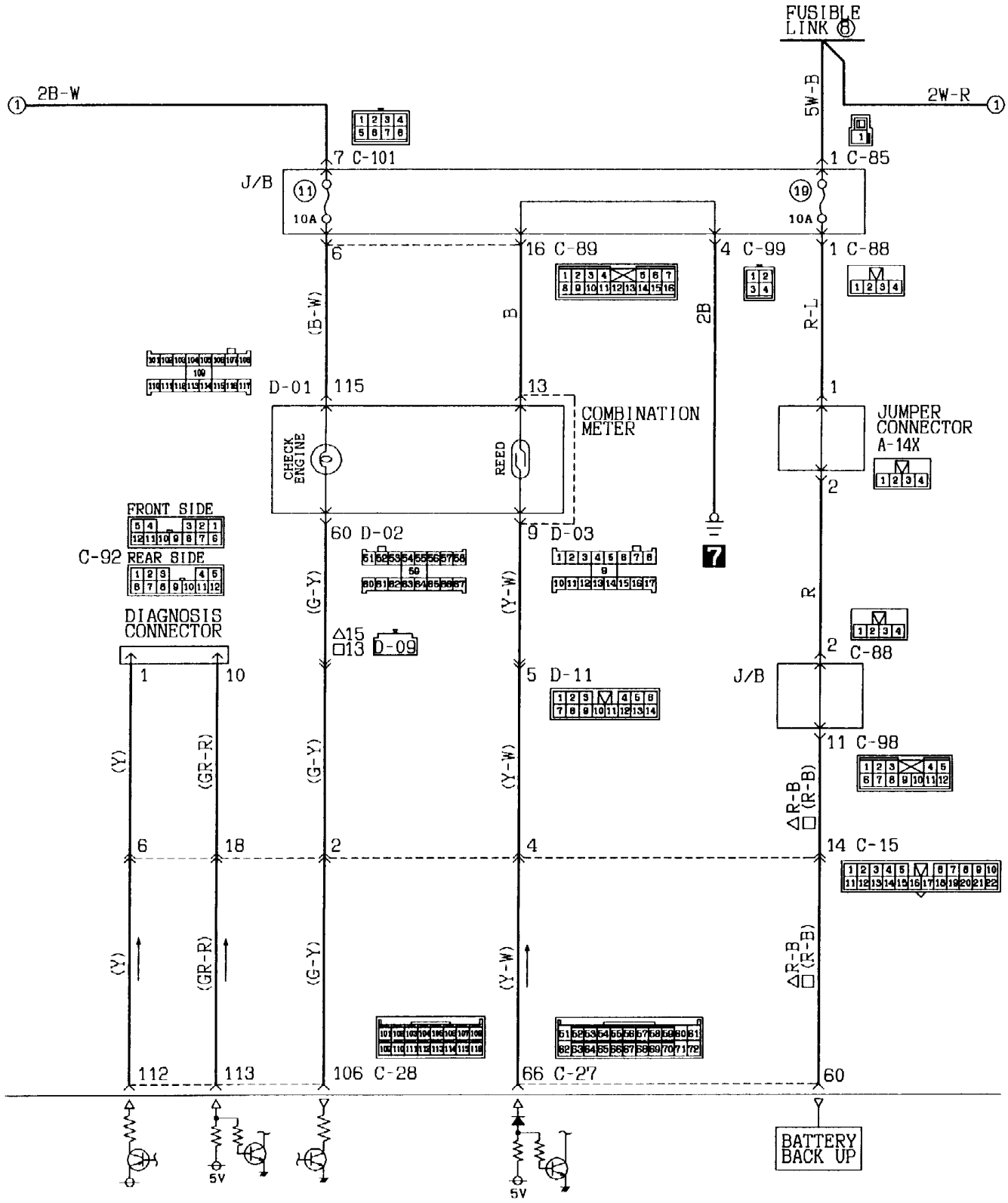
KX35-AC-J0504C-EC





Wire colour code

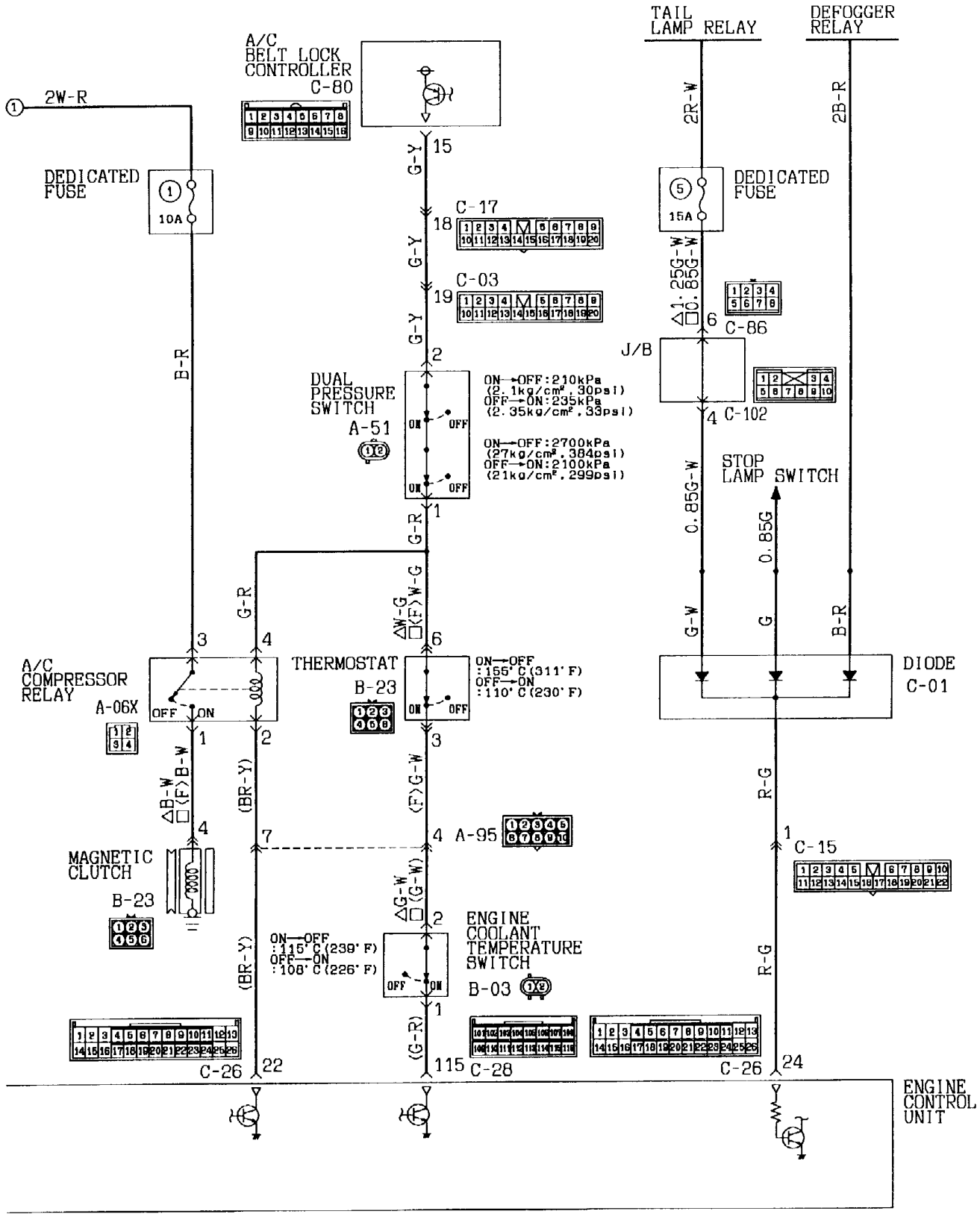
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	



Remark
□: L. H. drive vehicles.
△: R. H. drive vehicles.

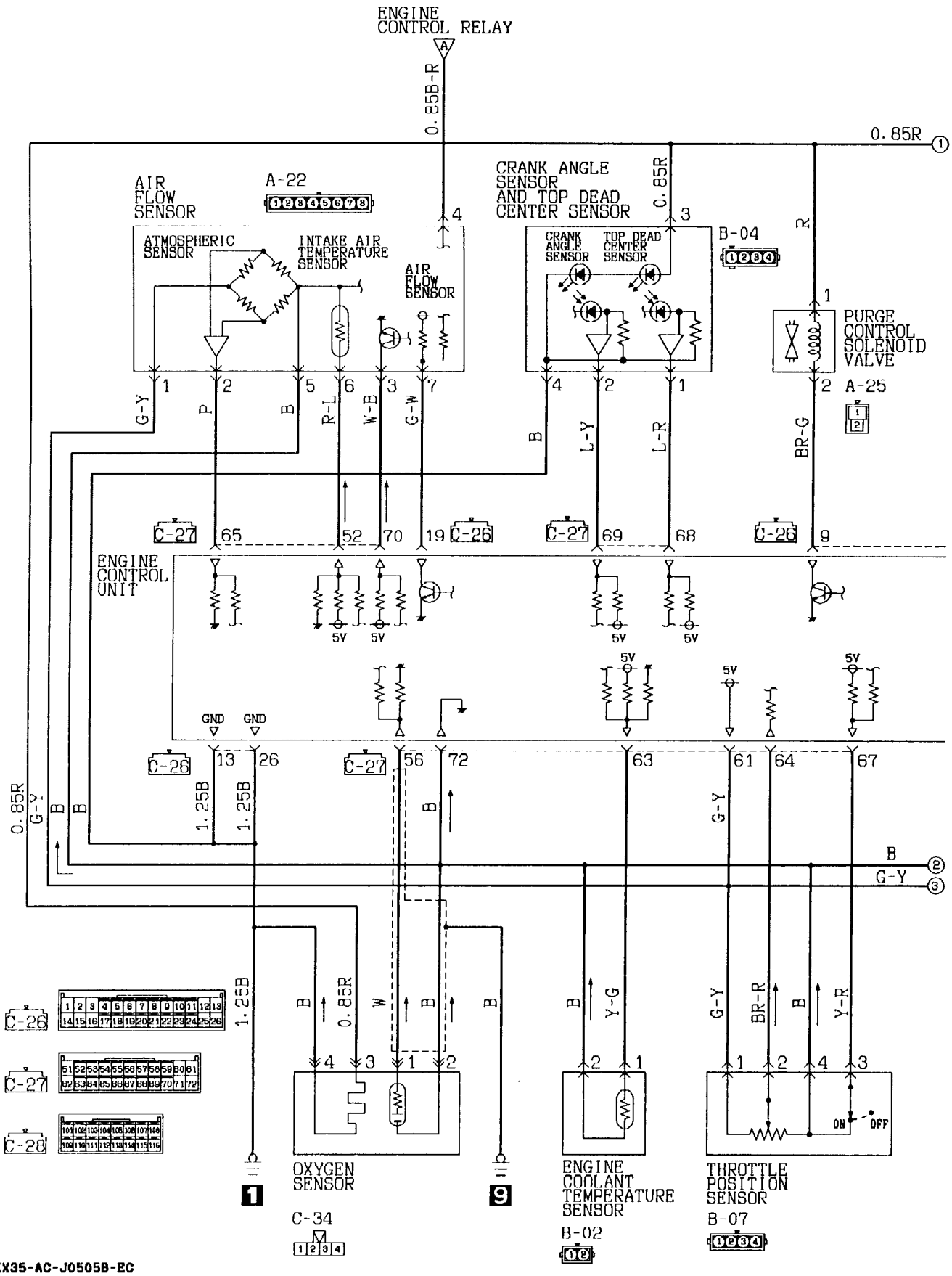
D-09 (LHD) (RHD)

KX35-AC-J0505A-EC

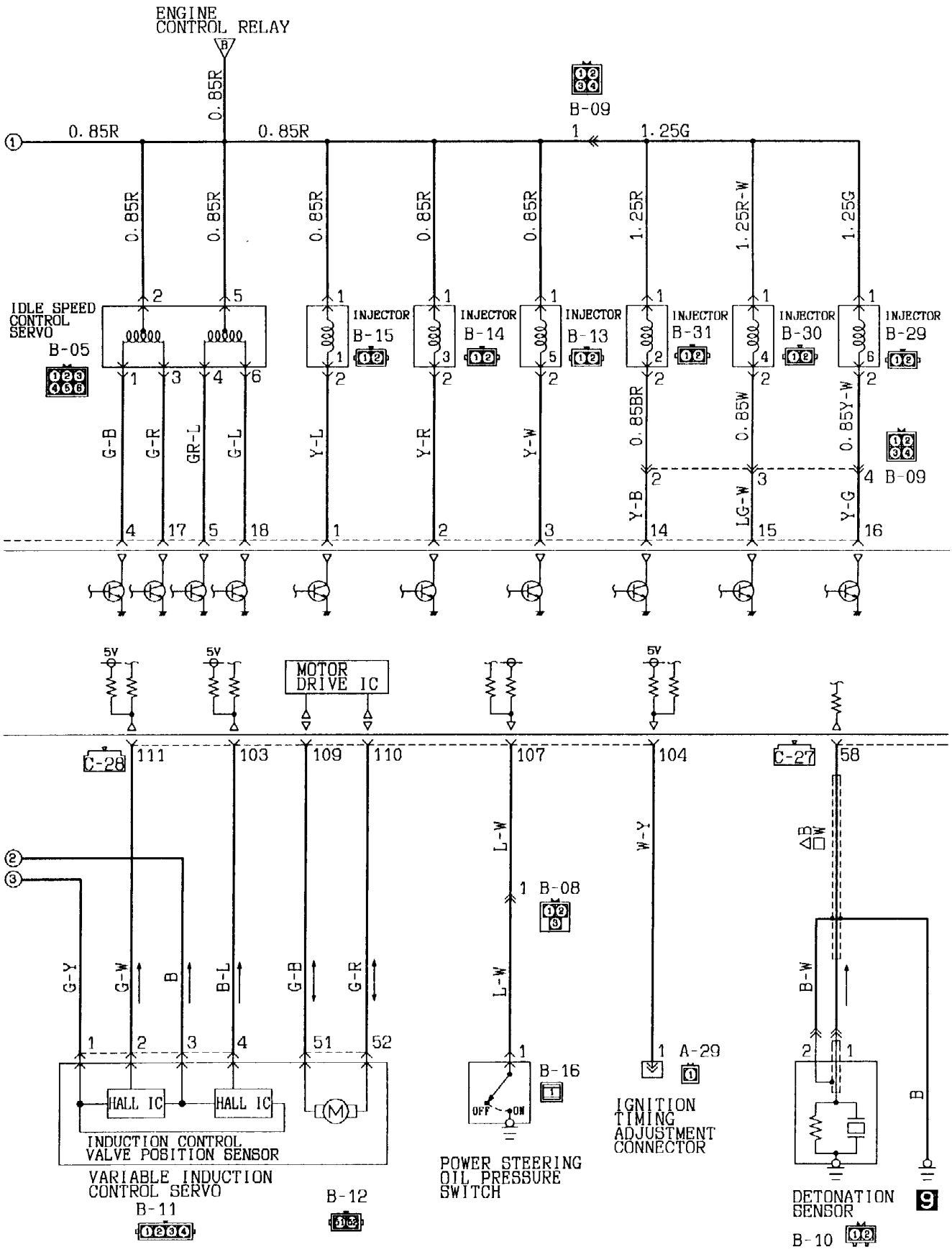


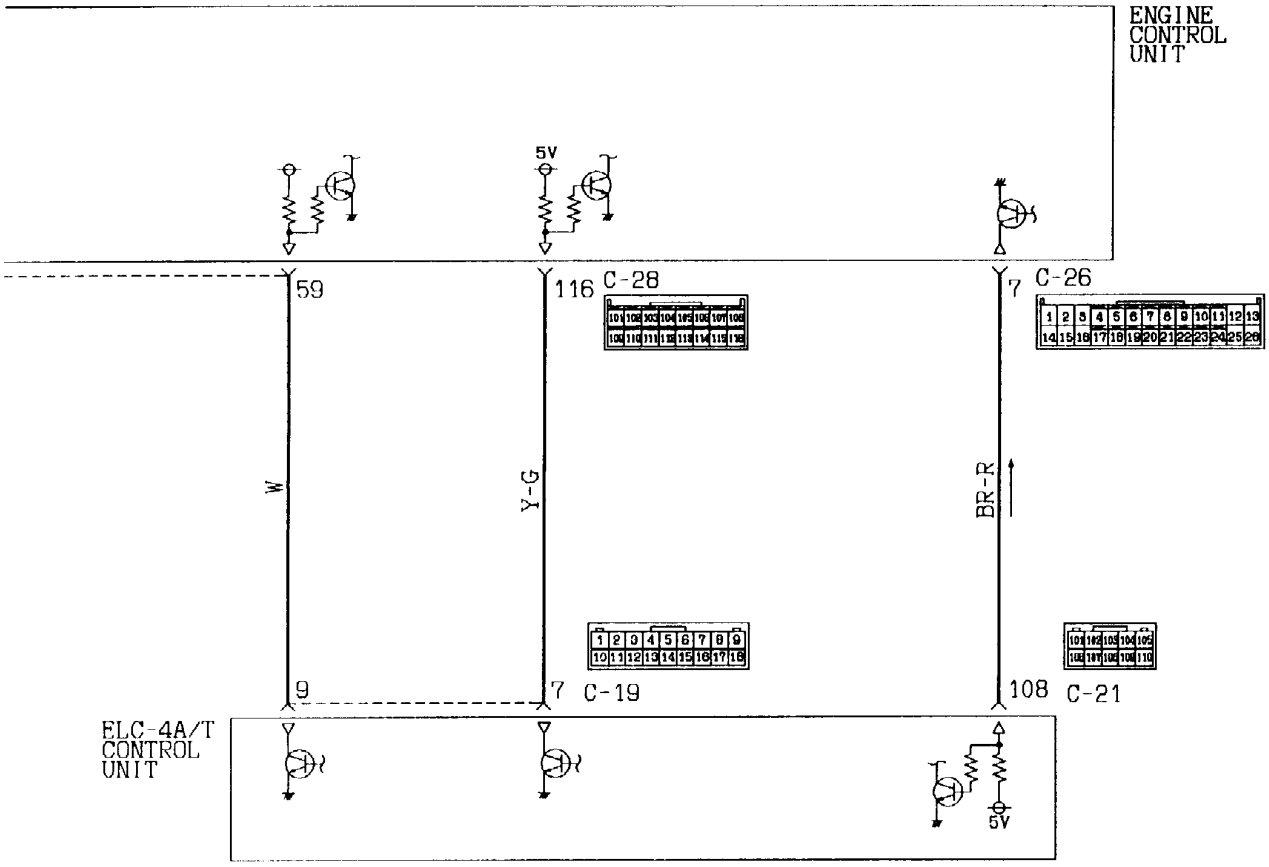
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	



KX35-AC-J0505B-EC





KX35-AC-J0505G-EC

COOLING CIRCUIT (See P. 4-54.)

OPERATION

1. Air conditioner switch: "OFF"
   - When the engine coolant rises to a temperature of 85°C (185°F), the thermo sensor (for low speed rotation) of the radiator will be turned on. This will turn on the relay (LO-I) of the radiator fan motor to rotate the radiator fan at the low speed through the resistor.
   - When the engine coolant reaches 100°C (212°F), the thermo sensor (for high speed rotation) of the radiator will be turned on.
   - This will turn on the relay (HI) of the radiator fan motor and the relay (HI) of the condenser fan motor to rotate the radiator fan and condenser fan at high speed.
2. Air conditioner switch: "ON"
   (The temperature adjuster is set at MAX-COOL and blower HI.)
   - The earth circuit is produced by the transistor in the air conditioner control unit to turn on the relay (HI) of the radiator fan motor and the relay (HI) of the condenser fan motor to rotate the radiator fan and condenser fan at high speed.

   (The temperature adjuster is set at any positions other than MAX-COOL and blower HI.)
   - The power supply from the A/C belt lock controller or A/C control unit will turn on the relay (LO-II) of the radiator fan motor and the relay (LO) of the condenser fan motor, and the radiator fan and condenser fan will rotate at low speed unconditionally through the respective resistors.
   - When the engine coolant becomes hotter and reaches 100°C (212°F), the thermo sensor will be turned on like in Item 1 to switch the rotation of the radiator fan and condenser fan into the high speed mode.

TROUBLESHOOTING HINTS

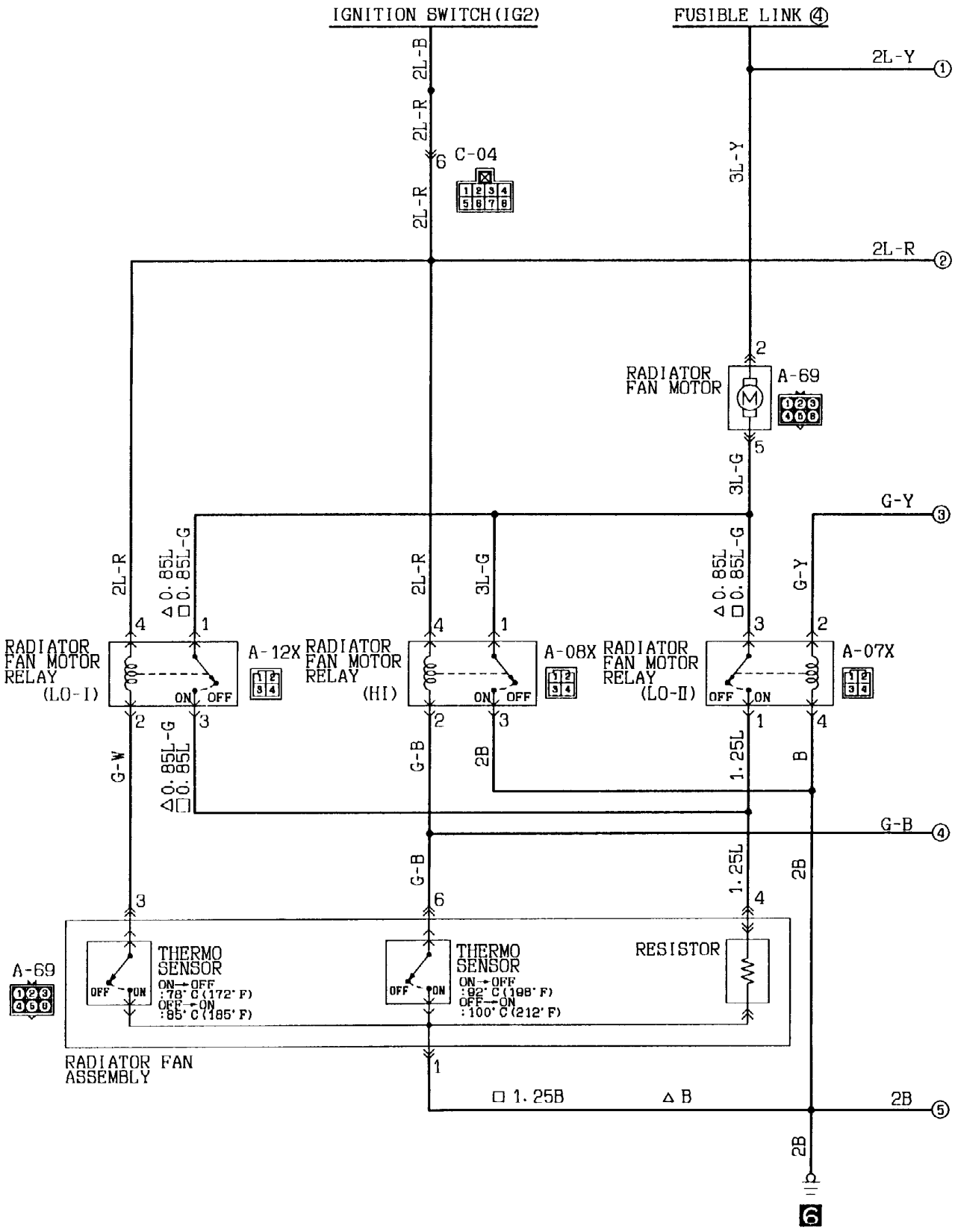
1. Neither radiator fan nor condenser fan operates.
   - Check fusible link No. ④.
2. Only the condenser fan does not operate at all.
   - Check dedicated fuse No. ⑦.
3. Radiator fan and condenser fan do not run at low speed alone.

   <Air conditioner switch: "OFF">
   - Check the thermo sensor for low speed revolution.
   - Check radiator fan motor relay (LO-I).
   - Check resistor (for radiator fan motor).

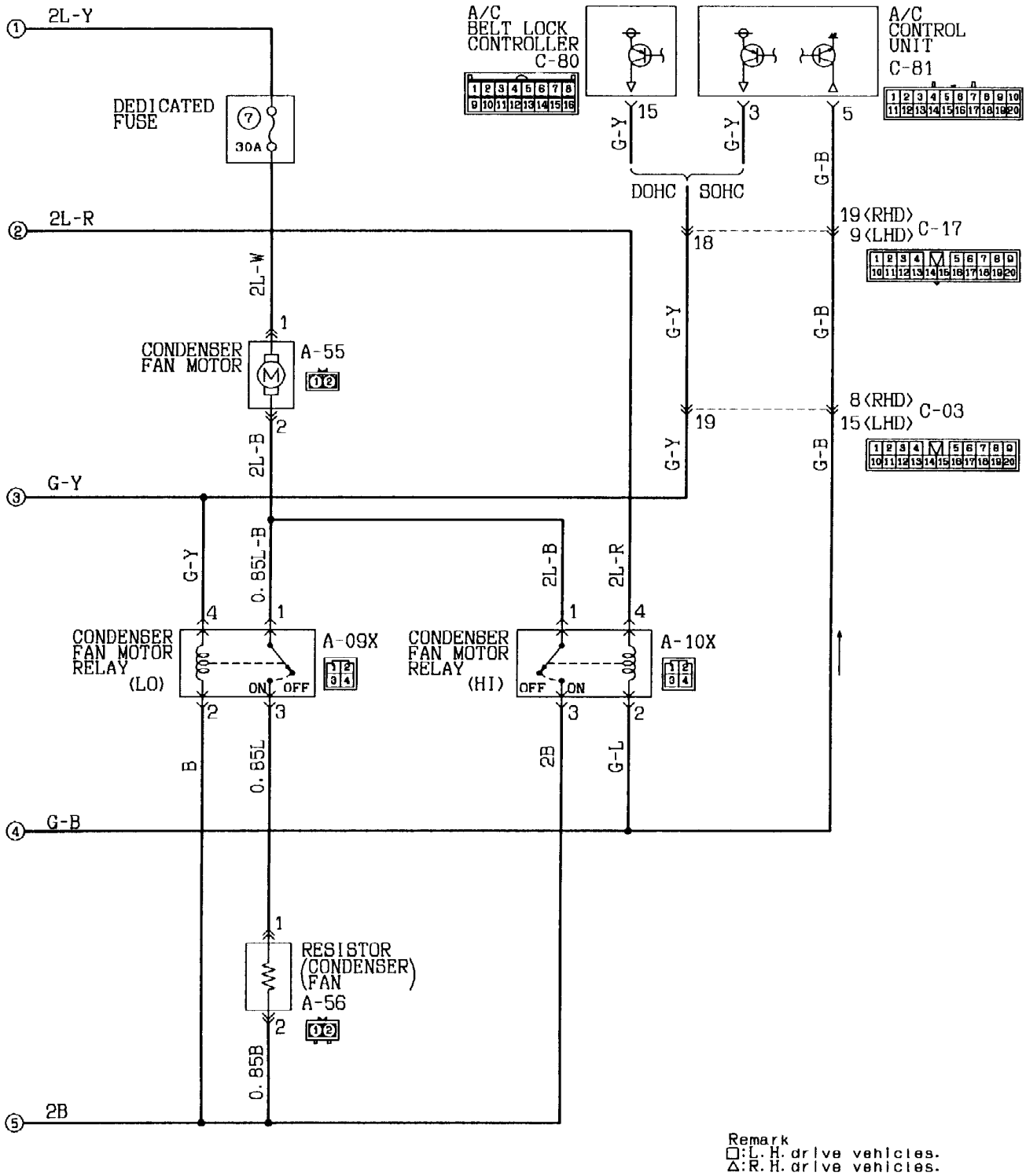
   <Air conditioner switch: "ON">
   1) Compressor magnetic clutch is not activated.
      - Check whether A/C belt lock controller or A/C control unit supply a power to the relay.
   2) Compressor magnetic clutch is activated.
      - Check each relay for low speed revolution and resistor.
4. Radiator fan and condenser fan do not run at high speed alone.
   - Check the thermo sensor for high speed revolution.
   - Check each relay for high speed revolution.
   - Check the air conditioner control unit.

Switch and air conditioner control unit conditions				Fan operating condition	
Air conditioner switch	Air conditioner control unit (ON at MAX-COOL and blower HI)	Thermo sensor (for low speed revolution) [ON with 85°C (185°F) or higher]	Thermo sensor (for high speed revolution) [ON with 100°C (212°F) or higher]	Radiator fan	Condenser fan
OFF	–	OFF	OFF	OFF	OFF
		ON	OFF	LOW	OFF
			ON	HIGH	HIGH
ON	OFF	OFF	OFF	LOW	LOW
		ON	OFF	LOW	LOW
			ON	HIGH	HIGH
	ON	OFF	OFF	HIGH	HIGH
		ON	OFF	HIGH	HIGH
			ON	HIGH	HIGH

7 COOLING CIRCUIT



KX35-AC-J0601-EC

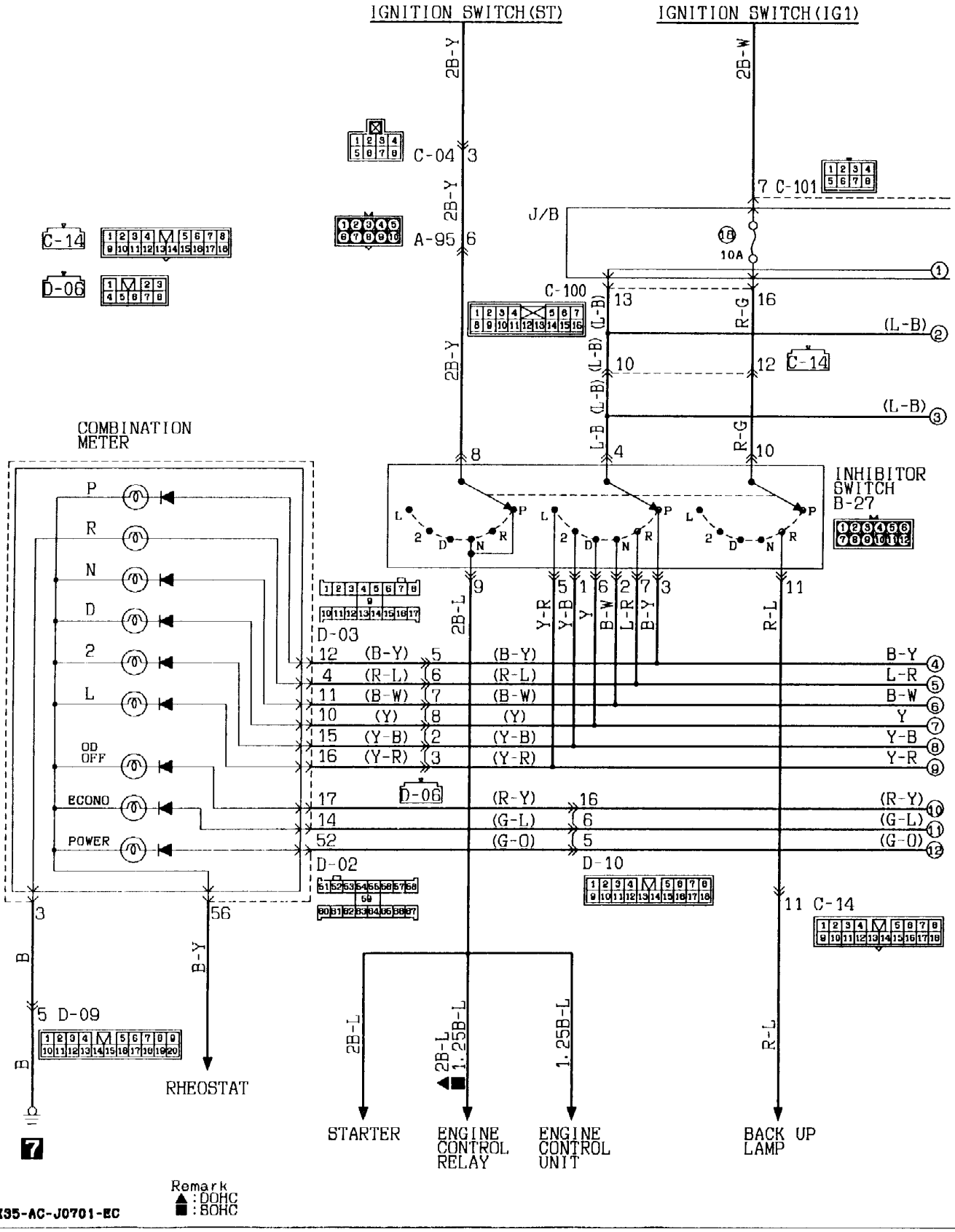


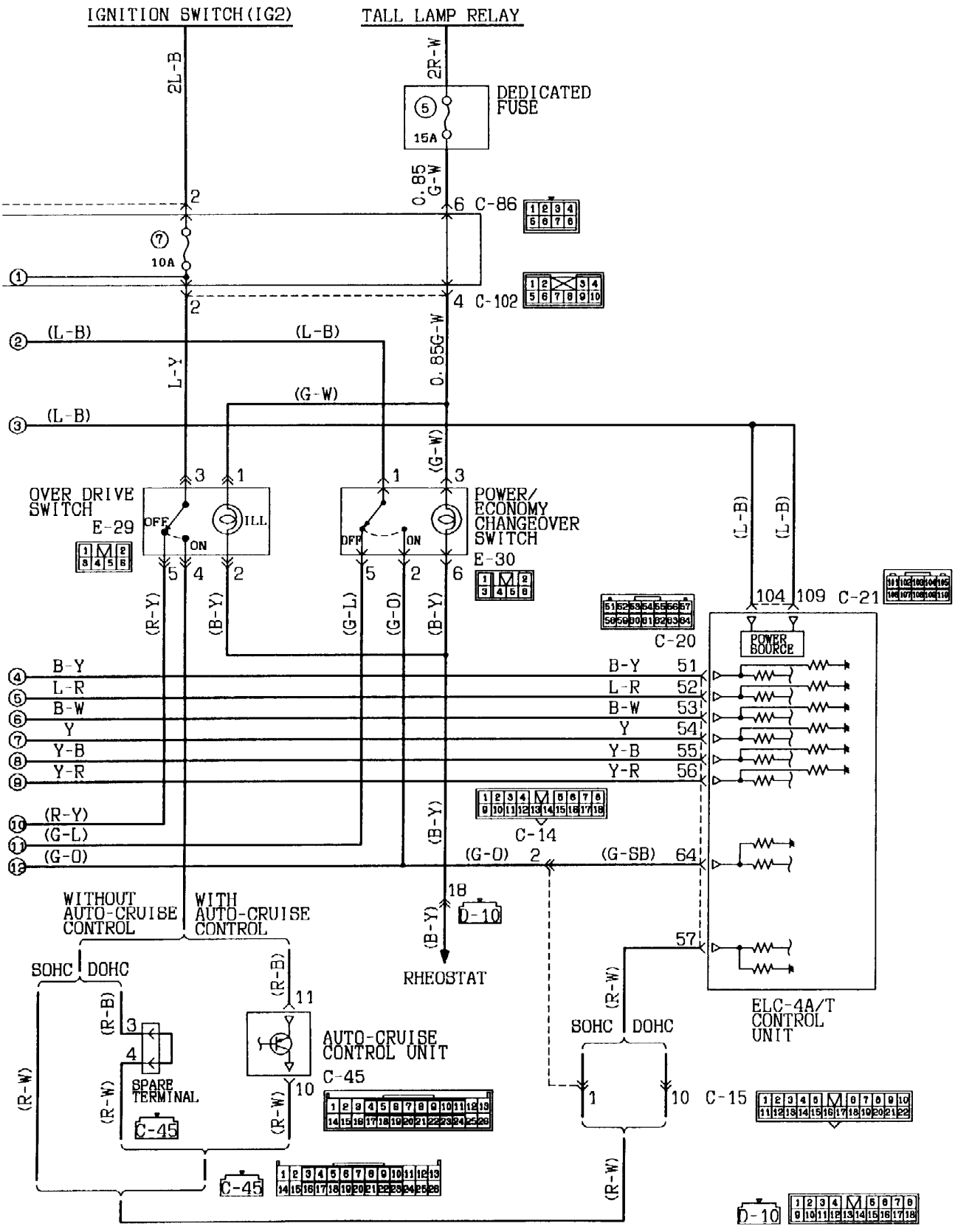
Remark
□: L. H. drive vehicles.
△: R. H. drive vehicles.

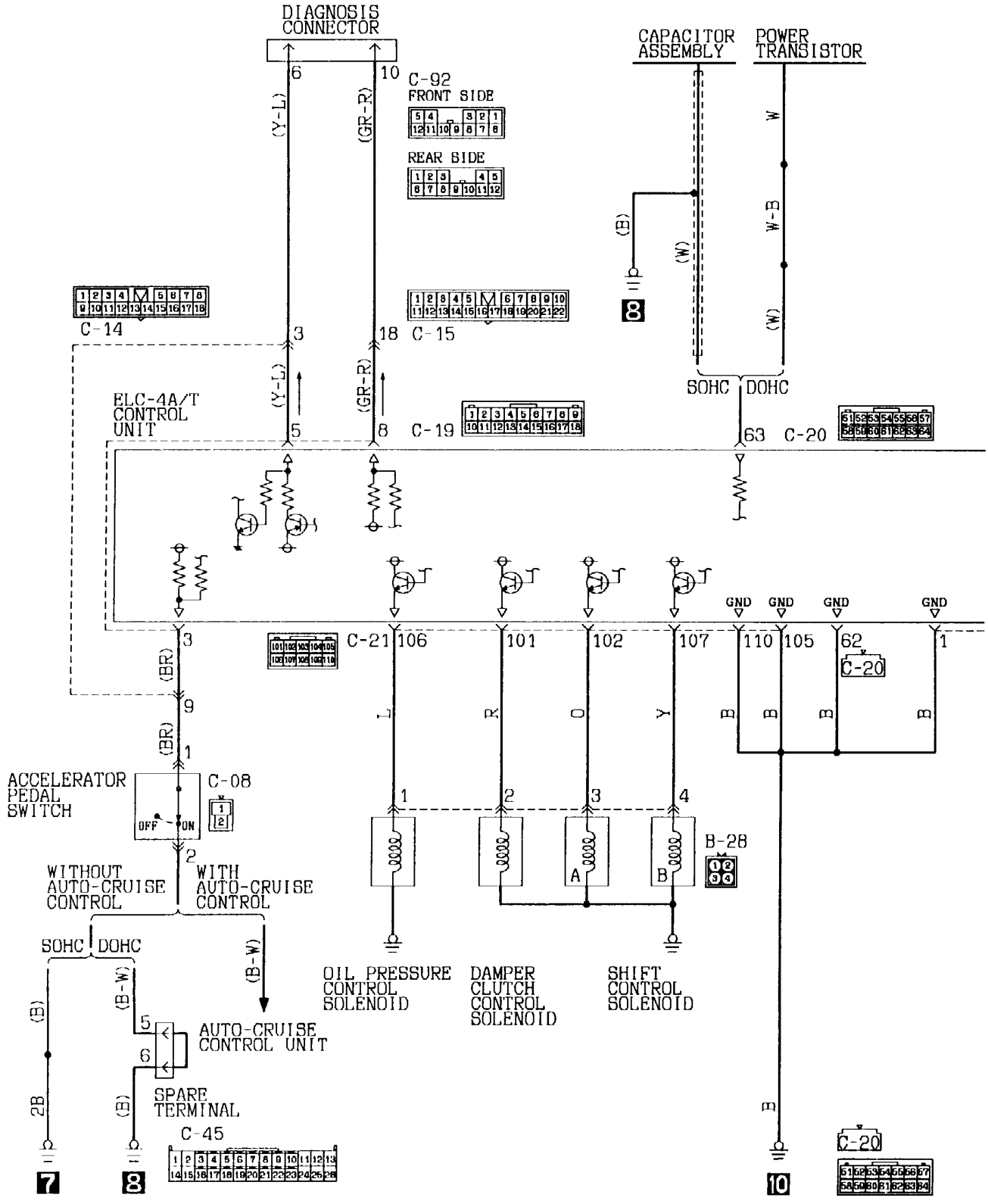
Wire colour code
B: Black LG: Light green G: Green L: Blue W: White Y: Yellow BB: Sky blue
BR: Brown O: Orange GR: Gray R: Red P: Pink V: Violet

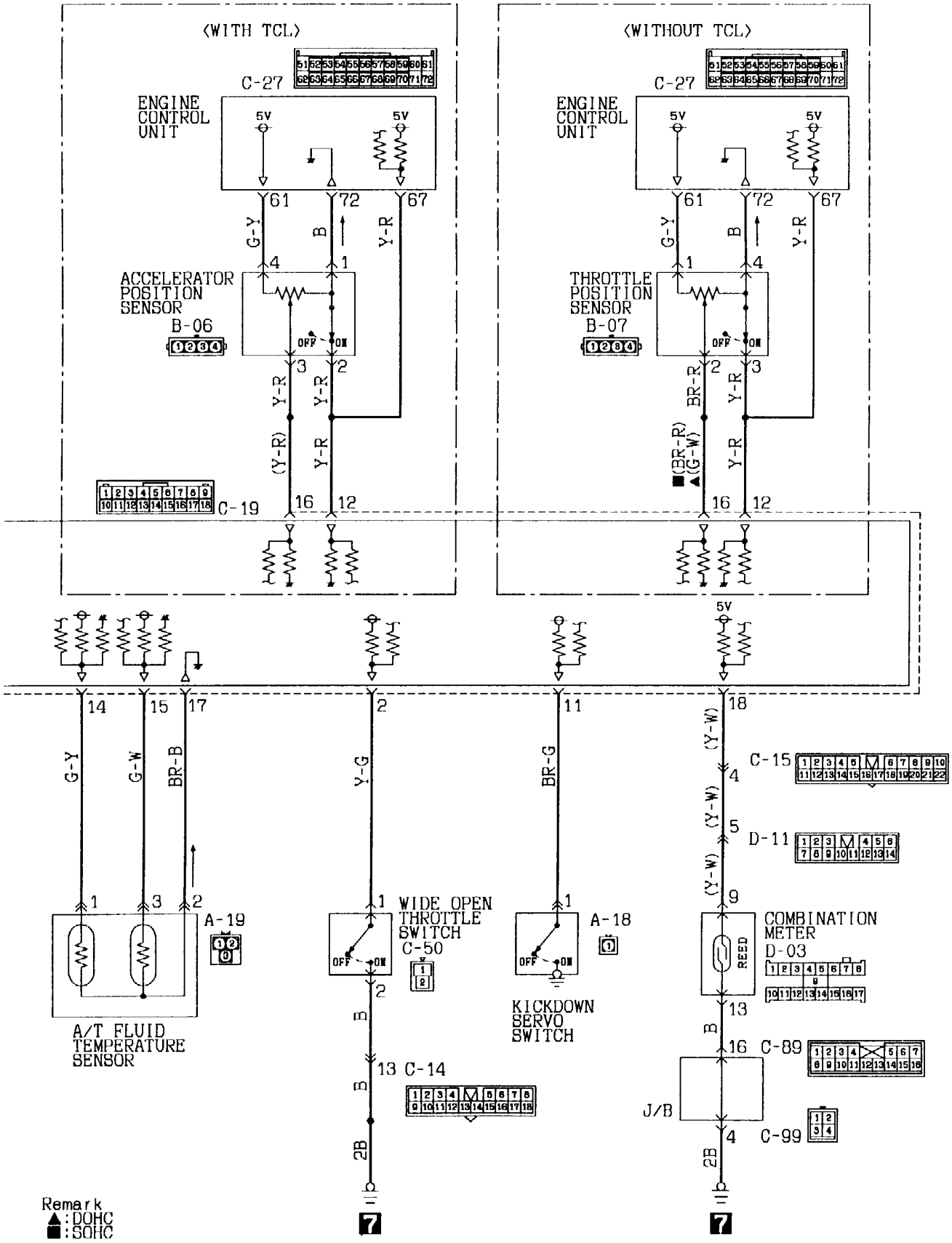
8 ELC 4-SPEED AUTOMATIC TRANSMISSION CIRCUIT

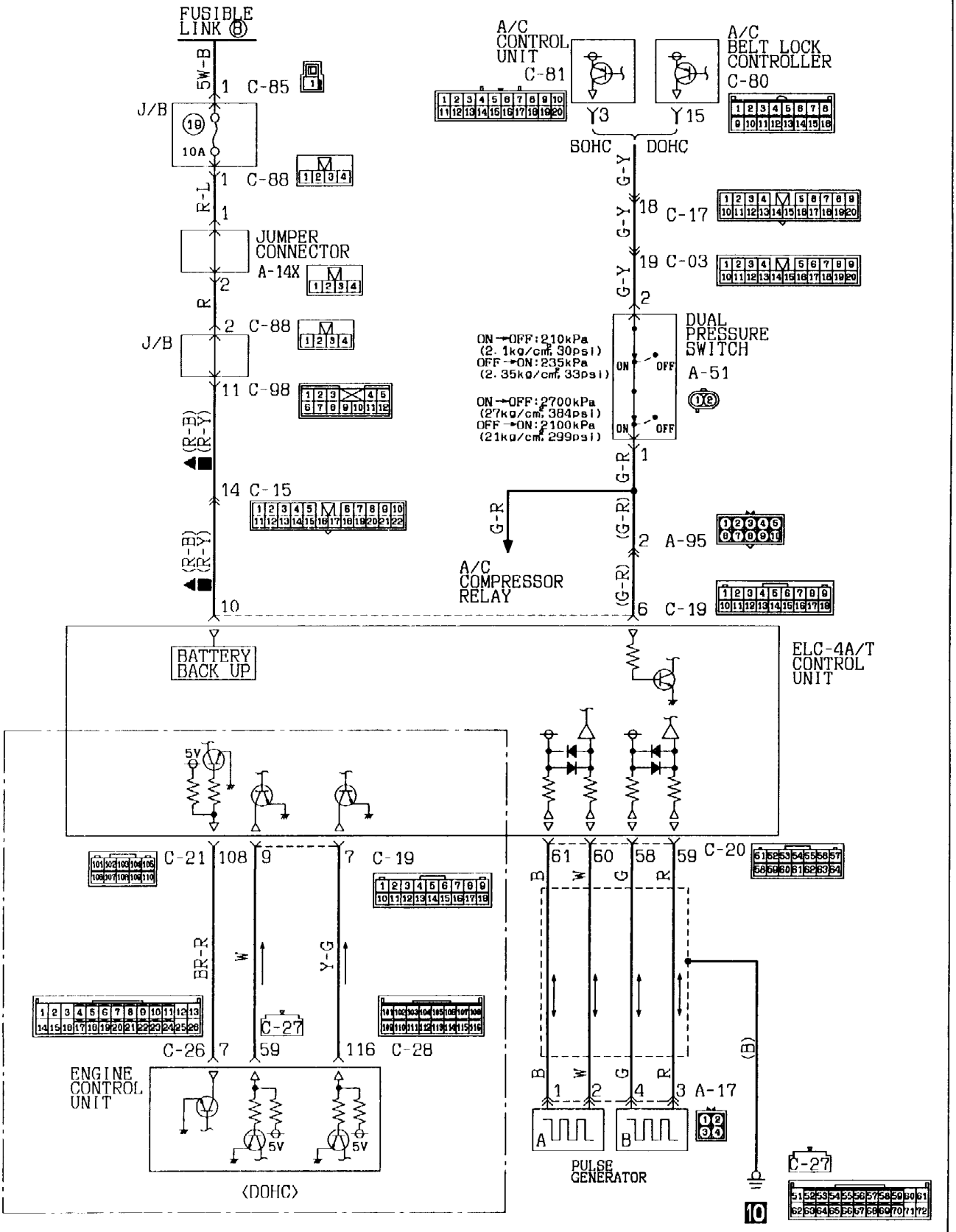
8-1 L.H. drive vehicles





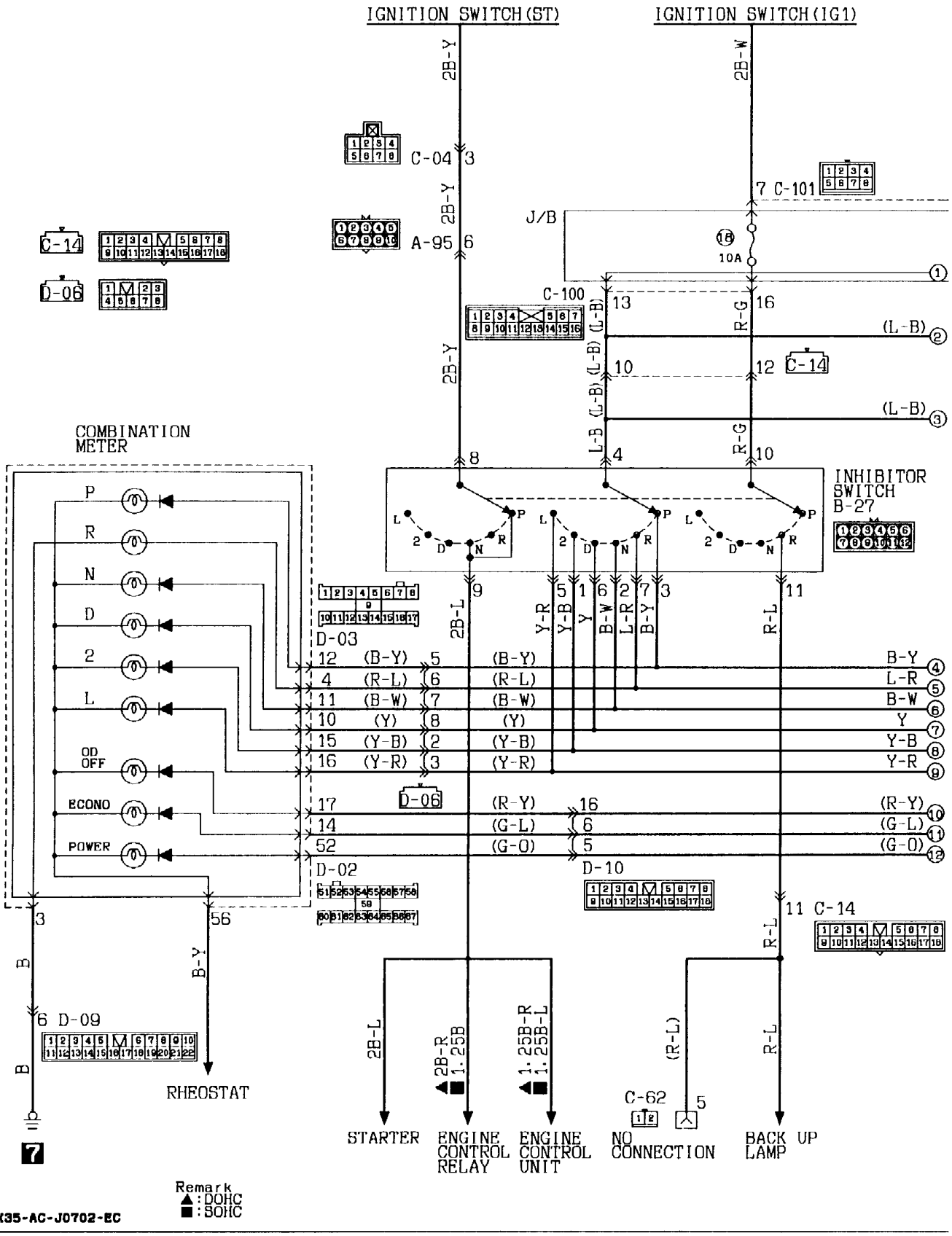


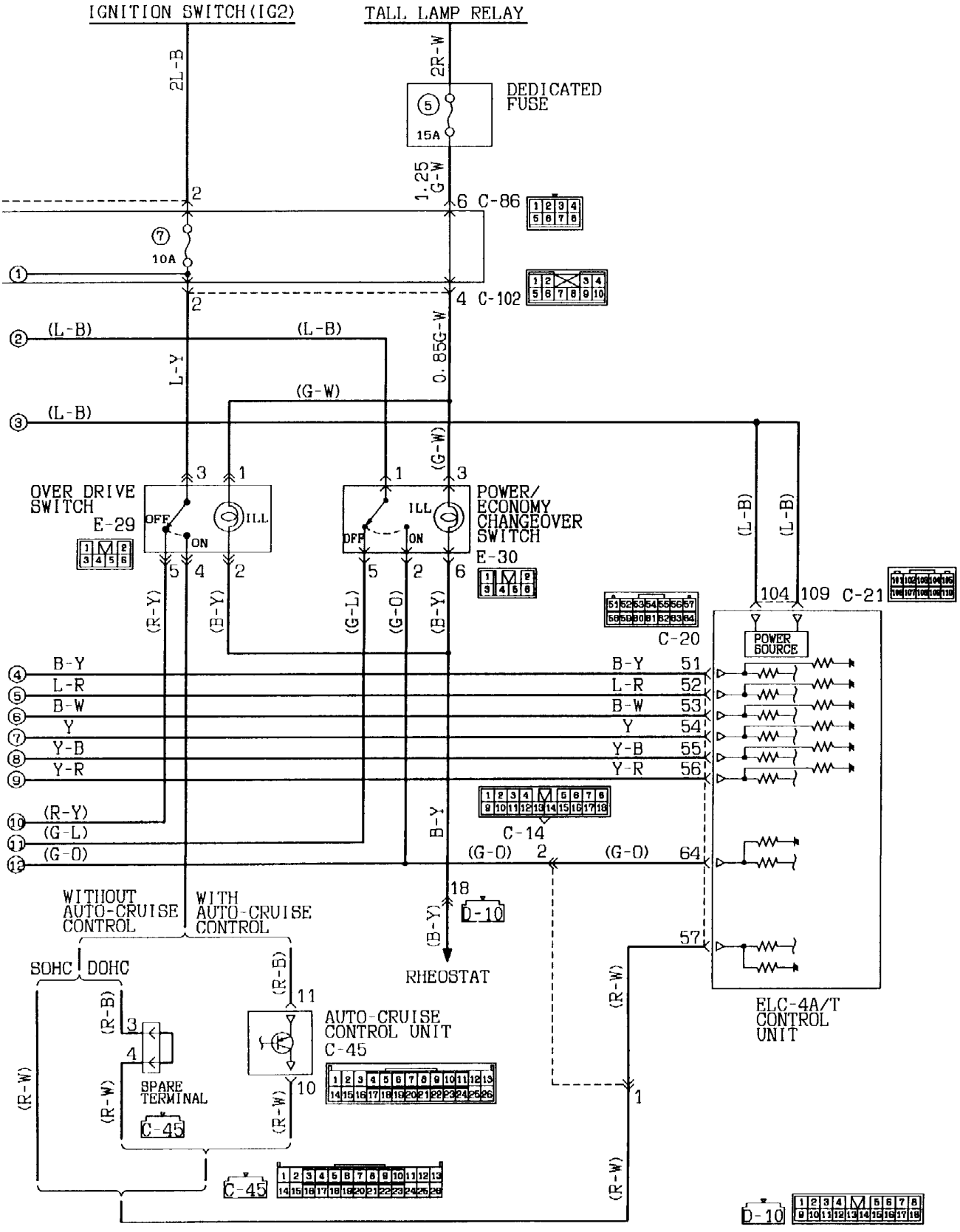


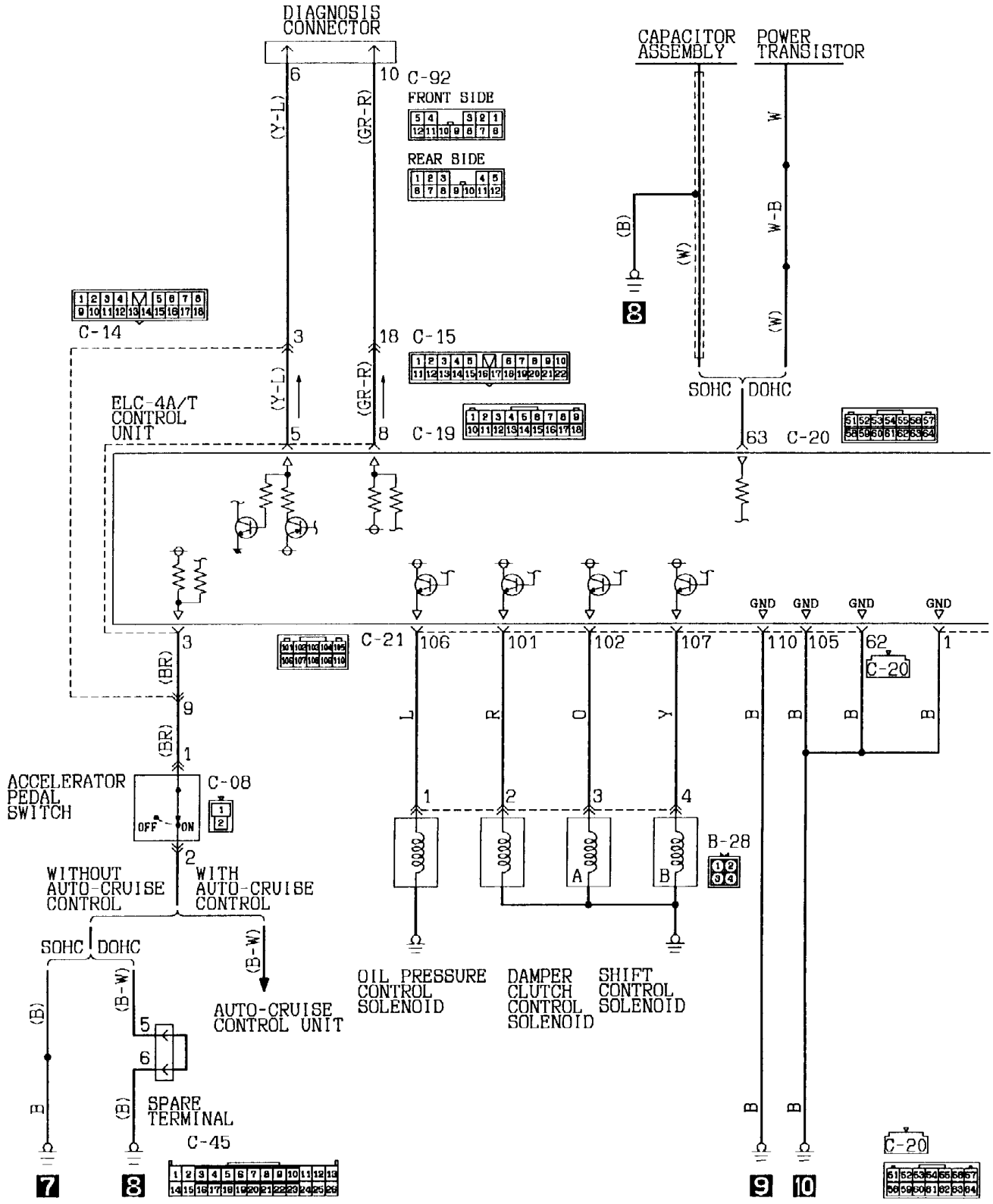


KX35-AC-J0701B-EC

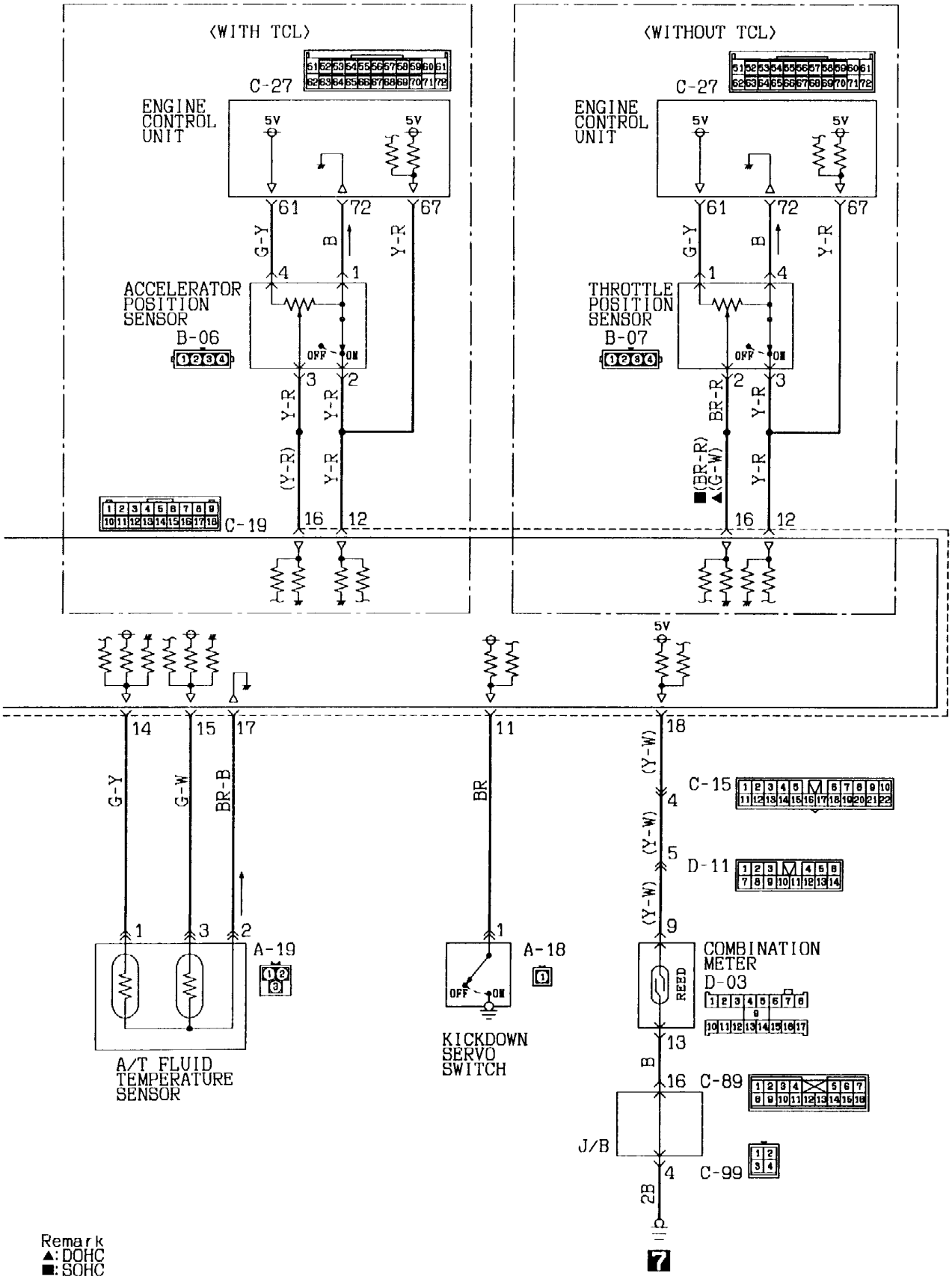
8-2 R.H. drive vehicles

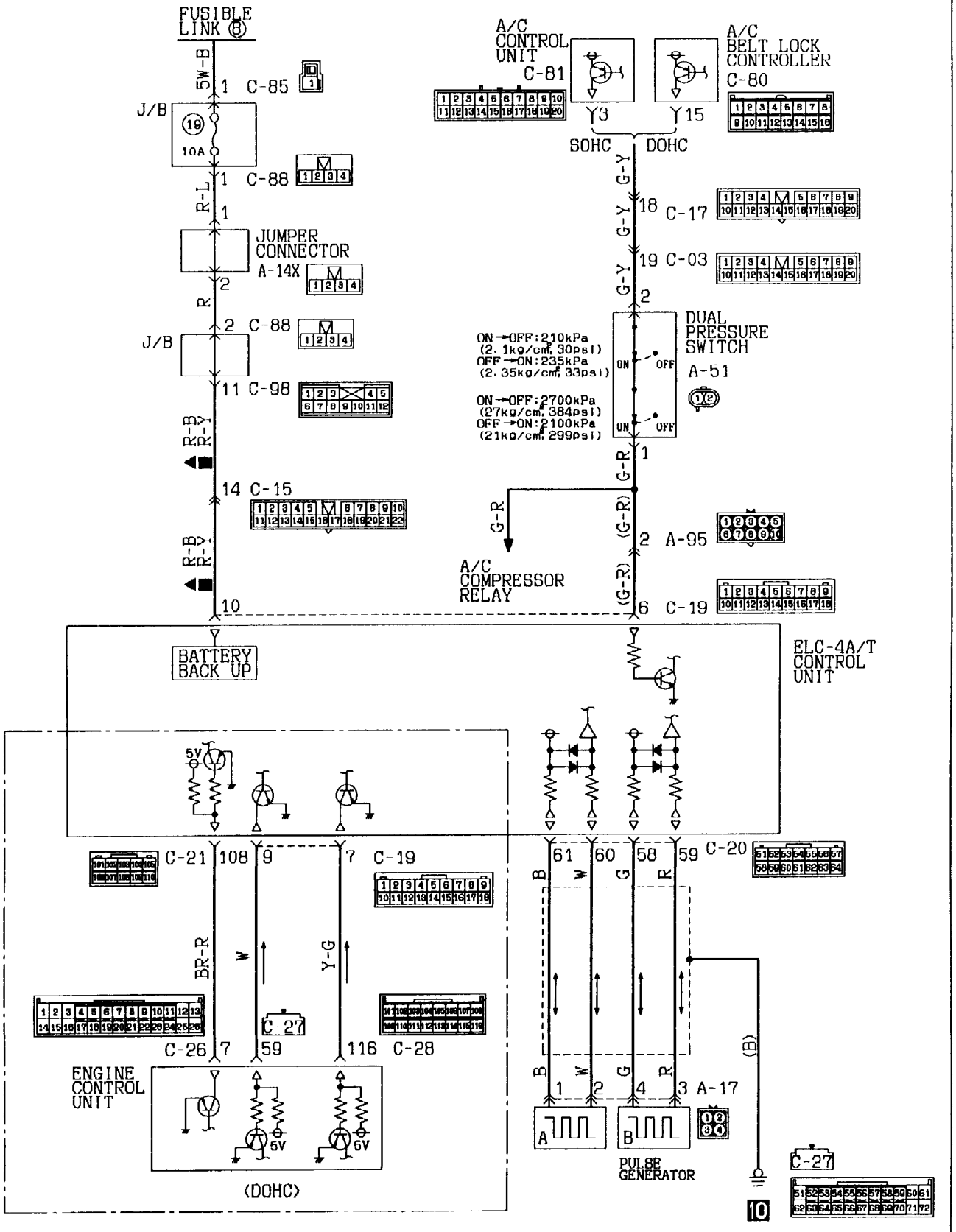






KX35-AC-J0702A-EC

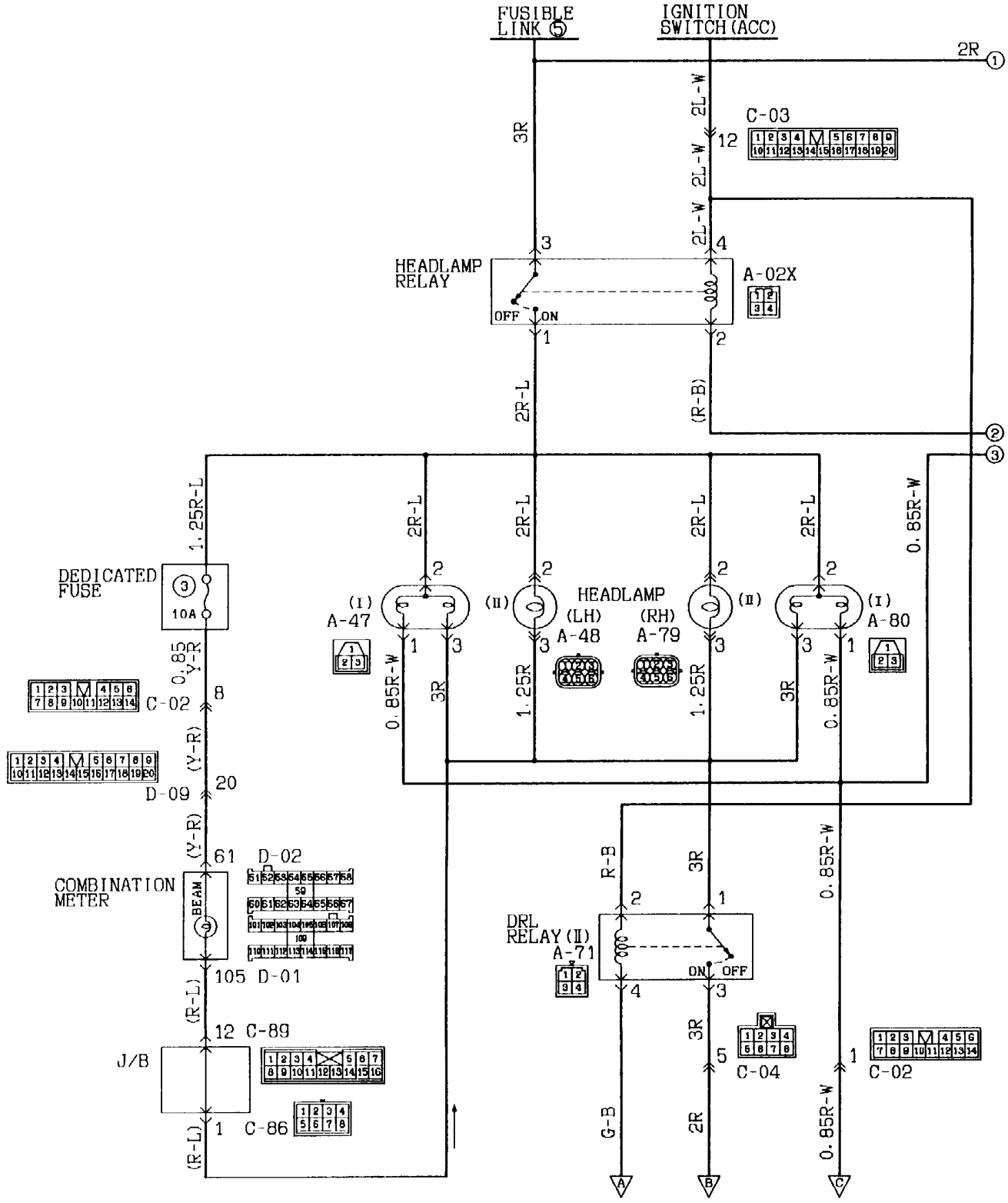




KX35-AC-J0702B-EC

9 HEADLAMP CIRCUIT

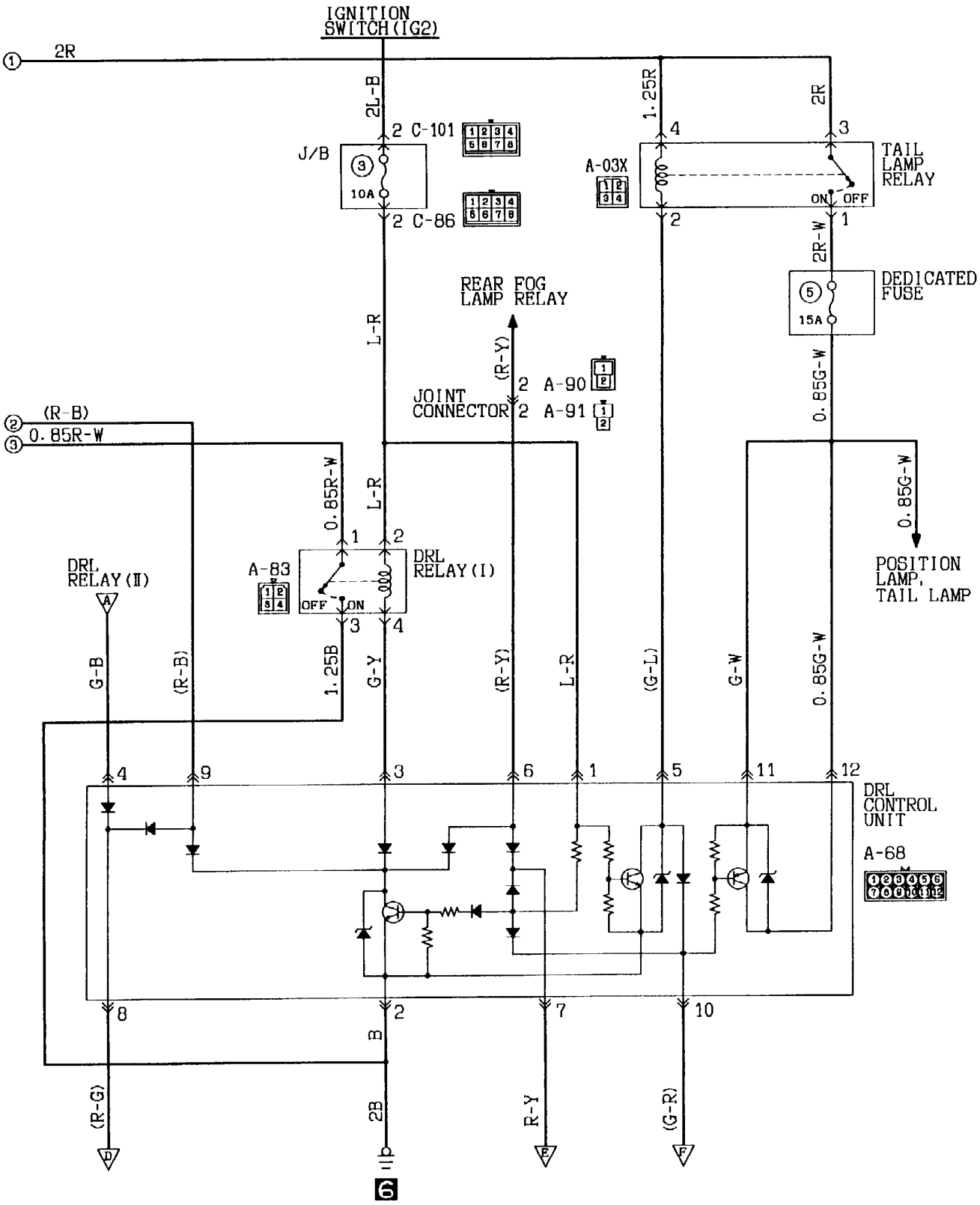
9-1 Vehicles with daytime running lamp

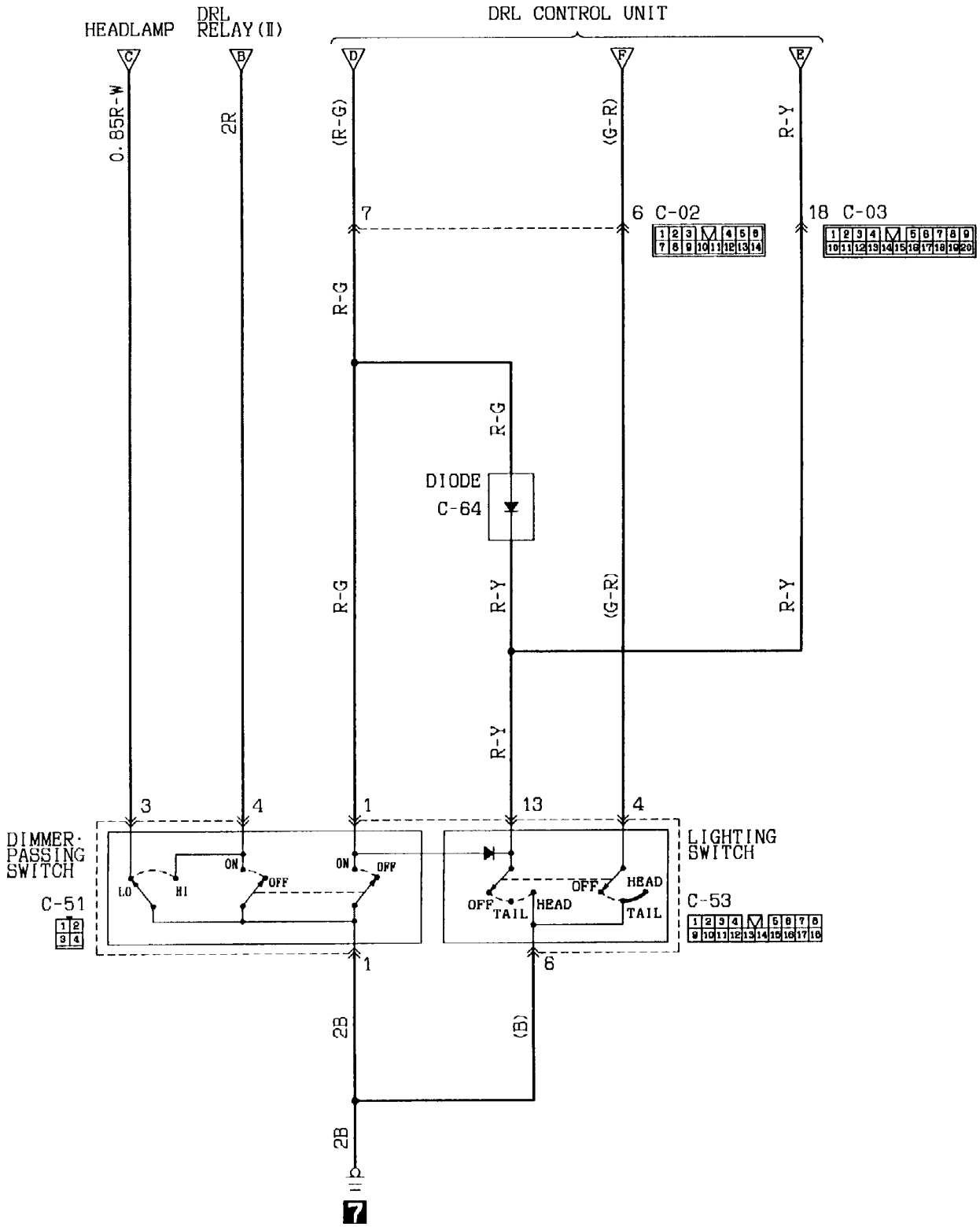


Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

KX35-AC-J0601-EC


IGNITION SWITCH (IG2)
2R
2L-B
2 C-101
J/B
10A
2 C-86
1.25R
2R
A-03X
TAIL LAMP RELAY
ON OFF
2R-W
DEDICATED FUSE
15A
0.85G-W
REAR FOG LAMP RELAY
(R-Y)
JOINT CONNECTOR
2 A-90
2 A-91
L-R
(R-B)
0.85R-W
0.85R-W
L-R
0.85G-W
POSITION LAMP, TAIL LAMP
DRL RELAY (II)
A-83
OFF ON
DRL RELAY (I)
1.25B
G-B
(R-B)
G-Y
(R-Y)
L-R
(G-L)
G-W
0.85G-W
DRL CONTROL UNIT
A-68
B
2B
(R-G)
R-Y
(G-R)
6



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J0801A-EC

HEADLAMP CIRCUIT <VEHICLES WITH DAYTIME RUNNING LAMP> (See P. 4-66.)

OPERATION

Headlamp Relay ON Conditions

Ignition switch	Lighting switch	Dimmer/ passing switch	Headlamp relay
"ON"	"OFF"	–	ON
"ACC" or "ON"	"HEAD"	–	ON
"ACC" or "ON"	–	"PASS"	ON

<Daytime running lamp operation>

- Turning the ignition switch to the ON position causes the headlamp relay, daytime running lamp relay (I), and tail lamp relay to be energized, which causes the headlamps, tail lamps, etc. to go on.

<Low-beam operation>

- Placing the lighting switch in the HEAD position causes the headlamp relay and daytime running lamp relay (II) to be energized.
- If the dimmer/passing switch is placed in the LO position at this time, the headlamps light up in low beam.

<Upper-beam operation>

- Placing the lighting switch in the HEAD position causes the headlamp relay and daytime running lamp relay (II) to be energized.
- If the dimmer/passing switch is placed in the HI position at this time, the headlamps light up in upper beam.

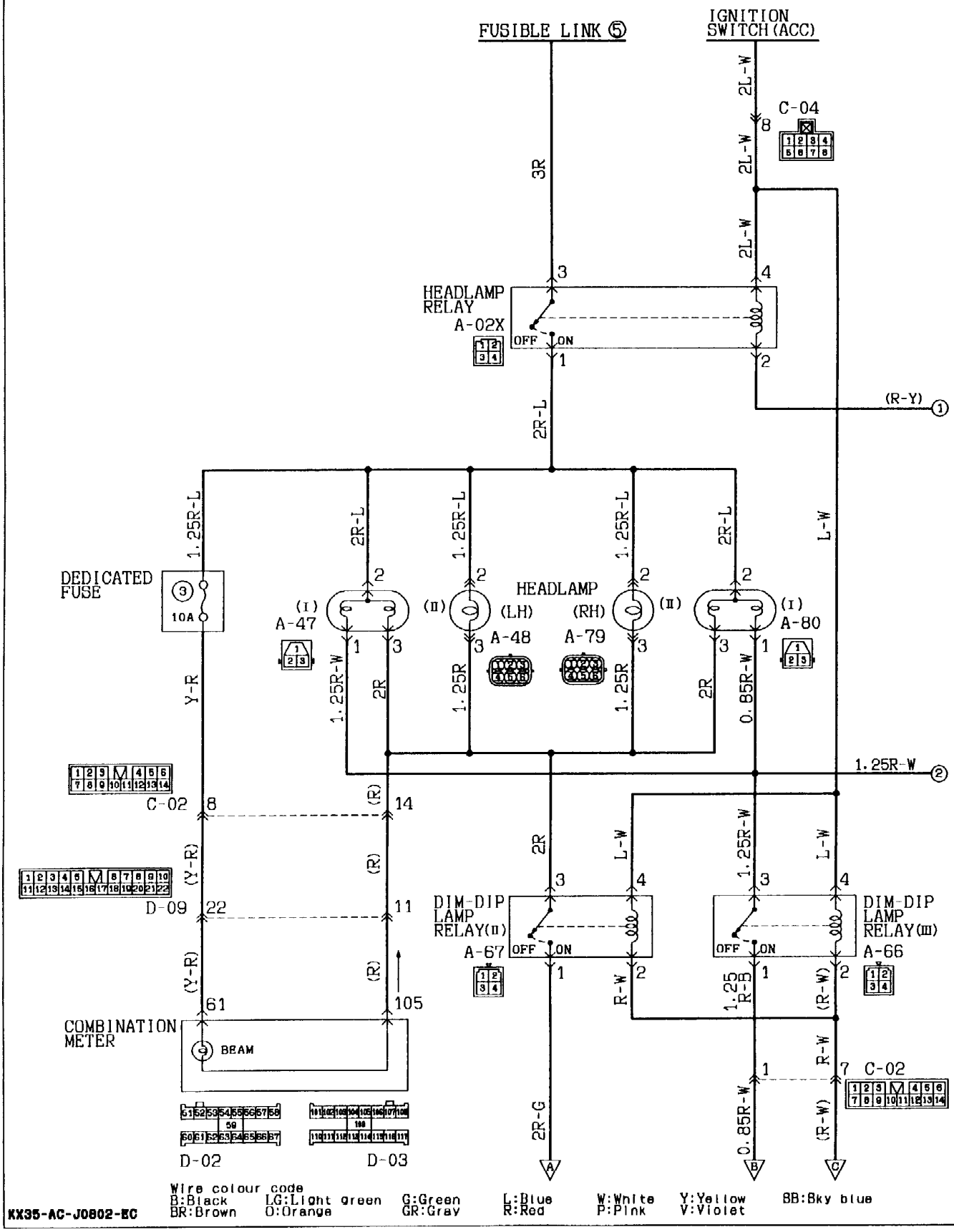
<Upper-beam indicator lamp>

- This lamp lights up when the upper/passing beams are on, indicating that the headlamps are on in upper beam.

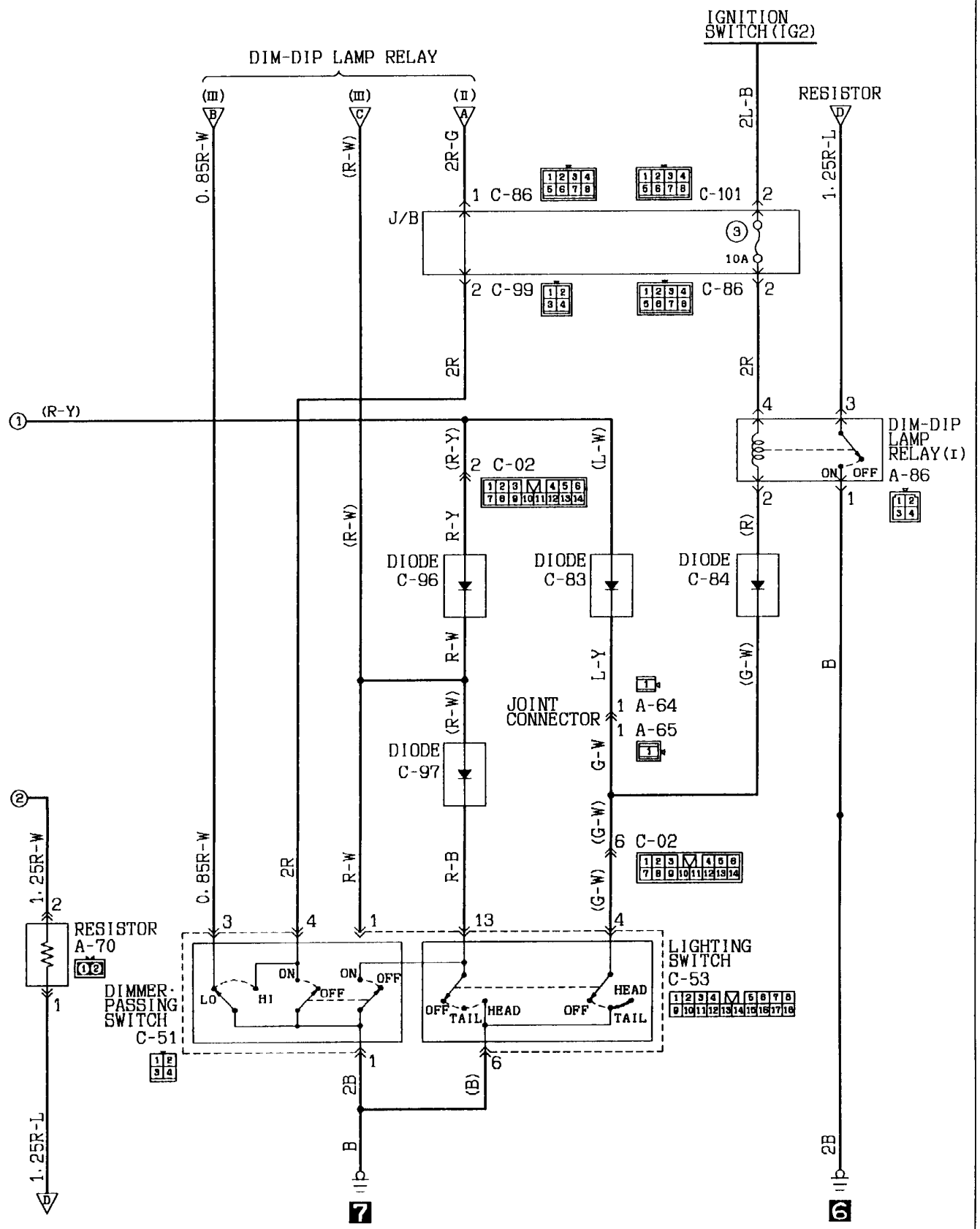
TROUBLESHOOTING HINTS

1. Headlamps don't go on.
   1) But the tail lamps illuminate.
      - Check the headlamp relay
      - Check the lighting switch.
   2) The tail lamps also don't illuminate.
      - Check the fusible link No. ⑤.
2. The low beam at both sides doesn't illuminate.
   - Check the dimmer switch LO contacts.
3. The upper beam at both sides doesn't illuminate.
   1) The passing signal functions OK.
      - Check the dimmer switch HI contacts.
   2) The passing signal doesn't function.
      - Check the dimmer switch.
      - Check the daytime running lamp relay (II).
      - Check the daytime running lamp control unit.
4. One headlamp doesn't illuminate.
   - Check the lamp bulb.
5. Can't switch from low to upper beam or vice-versa.
   - Check the dimmer switch.
6. With the ignition switch at the "ON" position, the headlamp's low beam does not illuminate.
   - Check the daytime running lamp relay (I).
   - Check the daytime running lamp control unit.
7. Upper-beam indicator lamp does not go on.
   1) Headlamp upper beams are operational.
      - Check dedicated fuse No. ③.
      - Check the indicator lamp bulb.

9-2 Vehicles with dim-dip lamp



KX35-AC-J0802-EC



HEADLAMP <VEHICLES WITH DIM-DIP LAMP> (See P. 4-70.)

OPERATION

Headlamp Relay ON Conditions

Ignition switch	Lighting switch	Dimmer/ passing switch	Headlamp relay
"ON"	"TAIL"	–	ON
"ACC" or "ON"	"HEAD"	–	ON
"ACC" or "ON"	–	"PASS"	ON

<Dim-dim lamp operation>

- Placing the lighting switch in the TAIL position causes dim-dip lamp relay (I) to be energized.
- This causes the headlamp relay to be also energized resulting in the headlamps being lit up dimly through the circuit by way of resistor.

<Low-beam operation>

- Placing the lighting switch in the HEAD position causes the headlamp relay, dim-dip lamp relay (II) and dim-dip lamp relay (III) to be energized.
- If the dimmer/passing switch is placed in the LO position at this time, the headlamps light up in low beam.

<Upper-beam operation>

- Placing the lighting switch in the HEAD position causes the headlamp relay, dim-dip lamp relay (II) and dim-dip lamp relay (III) to be energized.
- If the dimmer/passing switch is placed in the HI position at this time, the headlamps light up in upper beam.

<Upper-beam indicator lamp>

- This lamp lights up when the upper/passing beams are on, indicating that the headlamps are on in upper beam.

TROUBLESHOOTING HINTS

1. Headlamps don't go on.
   1) But the tail lamps illuminate.
      - Check the headlamp relay
      - Check the lighting switch.
      - Check the dim-dip lamp relays (II) and (III).
   2) The tail lamps also don't illuminate.
      - Check the fusible link No. ⑤.
2. The low beam at both sides doesn't illuminate.
   - Check the dimmer switch LO contacts.
3. The upper beam at both sides doesn't illuminate.
   1) The passing signal functions OK.
      - Check the dimmer switch HI contacts.
4. One headlamp doesn't illuminate.
   - Check the lamp bulb.
5. Can't switch from low to upper beam or vice-versa.
   - Check the dimmer switch.
6. The headlamps' low beam does not illuminate at the "TAIL" position of the lighting switch.
   1) The low beam does illuminate, however, when, with lighting switch at the "HEAD" position, the dimmer switch is set to "LO".
      - Check the dim-dip lamp relay (I).
      - Check the resistor.
      - Check the diode.
7. Upper-beam indicator lamp does not go on.
   1) Headlamp upper beams are operational.
      - Check dedicated fuse No. ③.
      - Check the indicator lamp bulb.

HEADLAMP CIRCUIT <VEHICLES WITHOUT DAYTIME RUNNING LAMP AND DIM-DIP LAMP> (See P. 4-74.)

OPERATION

Headlamp Relay ON Conditions

Ignition switch	Lighting switch	Dimmer/ passing switch	Headlamp relay
"ACC" or "ON"	"HEAD"	–	ON
"ACC" or "ON"	–	ON	ON

<Low-beam operation>

- Placing the lighting switch in the HEAD position causes the headlamp relay to be energized.
- If the dimmer/passing switch is placed in the LO position at this time, the headlamps light up in low beam.

<Upper-beam operation>

- Placing the lighting switch in the HEAD position causes the headlamp relay to be energized.
- If the dimmer/passing switch is placed in the HI position at this time, the headlamps light up in upper beam.

<Upper-beam indicator lamp>

- This lamp lights up when the upper/passing beams are on, indicating that the headlamps are on in upper beam.

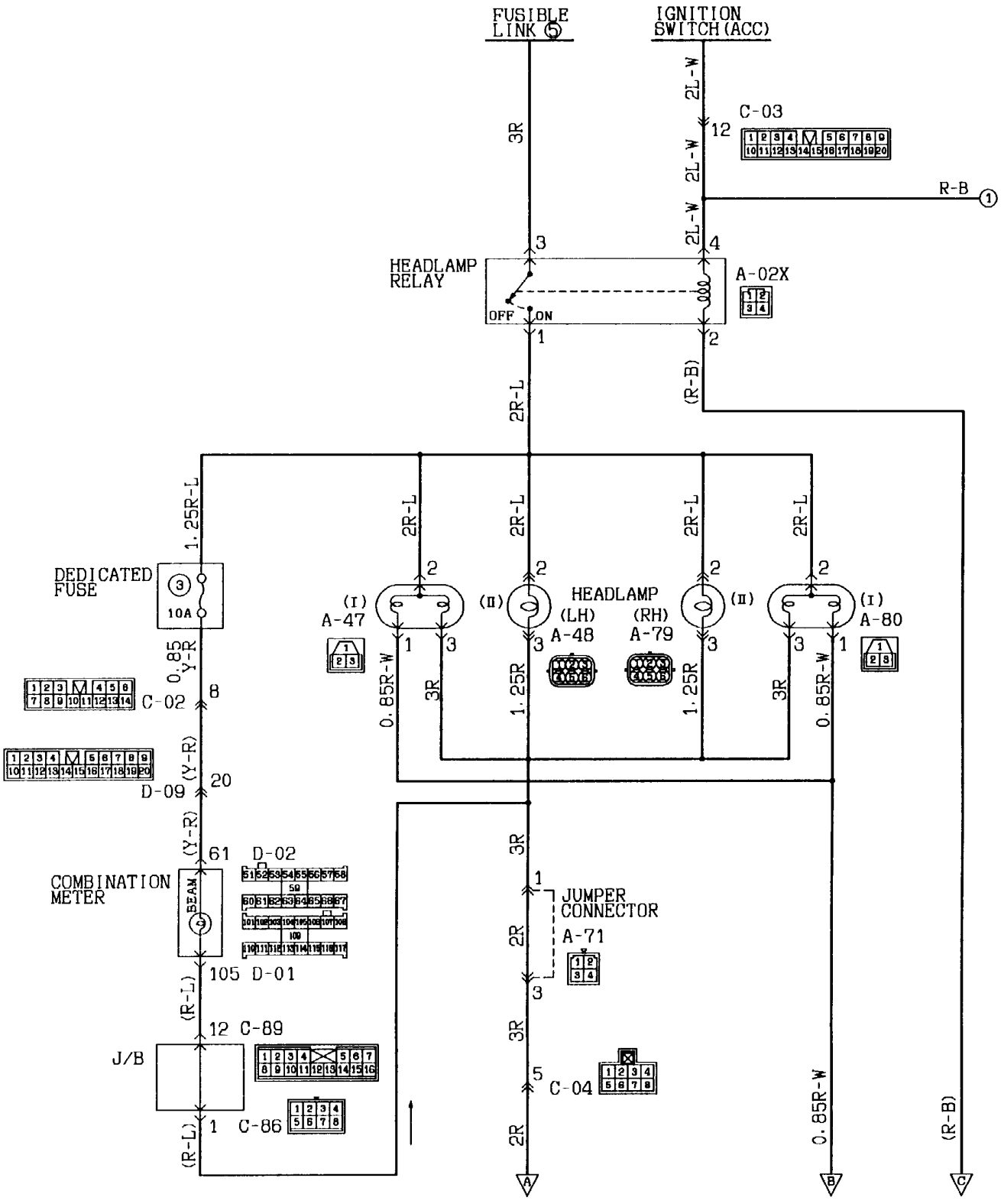
<Passing operation>

- When the dimmer/passing switch is set to the "ON" position, the headlamp relay is switched ON and the upper beam of the headlamps illuminates.

TROUBLESHOOTING HINTS

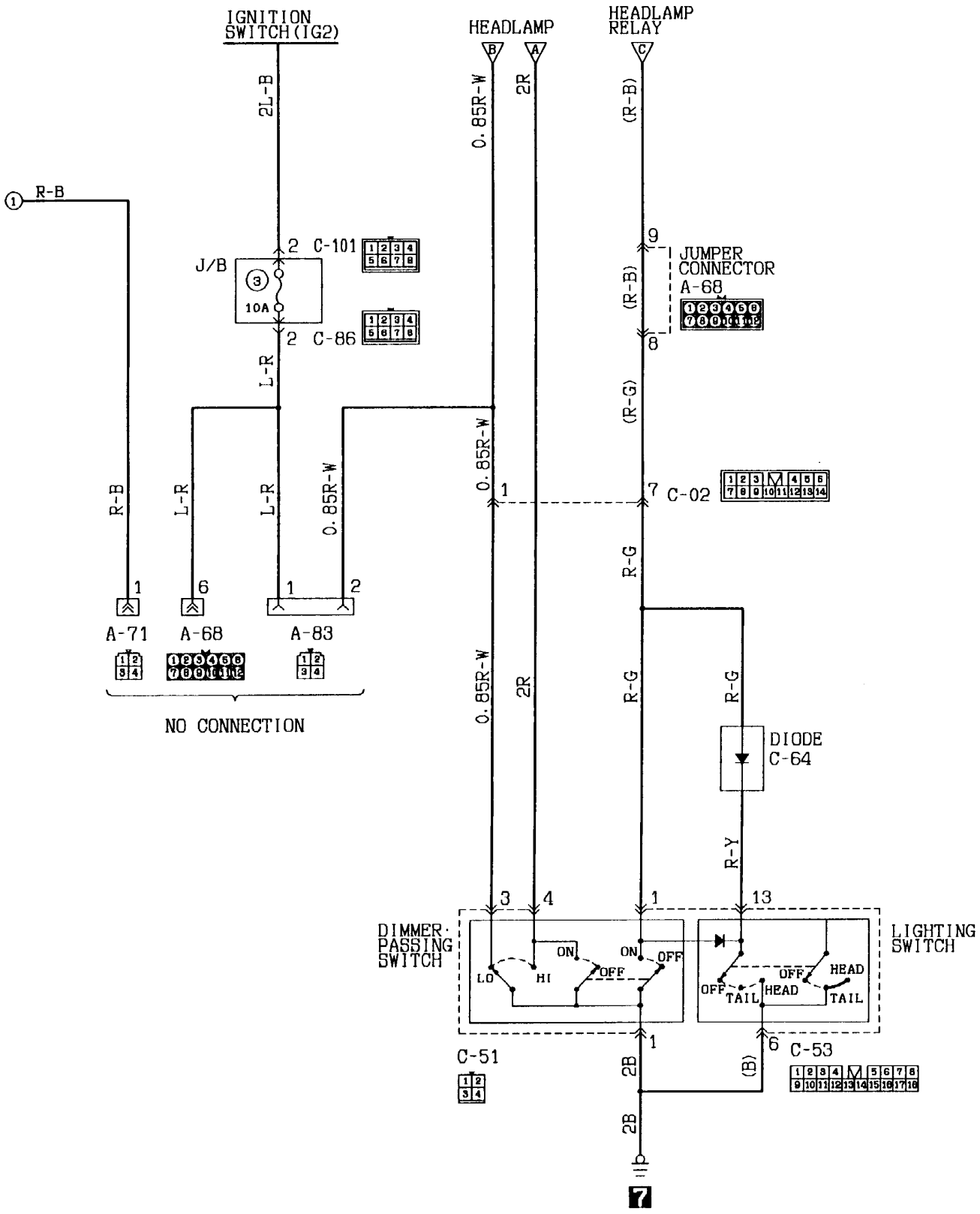
1. Headlamps don't go on.
   1) But the tail lamps illuminate.
      - Check the headlamp relay
      - Check the lighting switch.
   2) The tail lamps also don't illuminate.
      - Check the fusible link No. ⑤.
2. The low beam at both sides doesn't illuminate.
   - Check the dimmer switch LO contacts.
3. The upper beam at both sides doesn't illuminate.
   1) The passing signal functions OK.
      - Check the dimmer switch HI contacts.
4. One headlamp doesn't illuminate.
   - Check the lamp bulb.
5. Can't switch from low to upper beam or vice-versa.
   - Check the dimmer switch.
6. Upper-beam indicator lamp does not go on.
   1) Headlamp upper beams are operational.
      - Check dedicated fuse No. ③.
      - Check the indicator lamp bulb.

9-3 Vehicles without daytime running lamp and dim-dip lamp

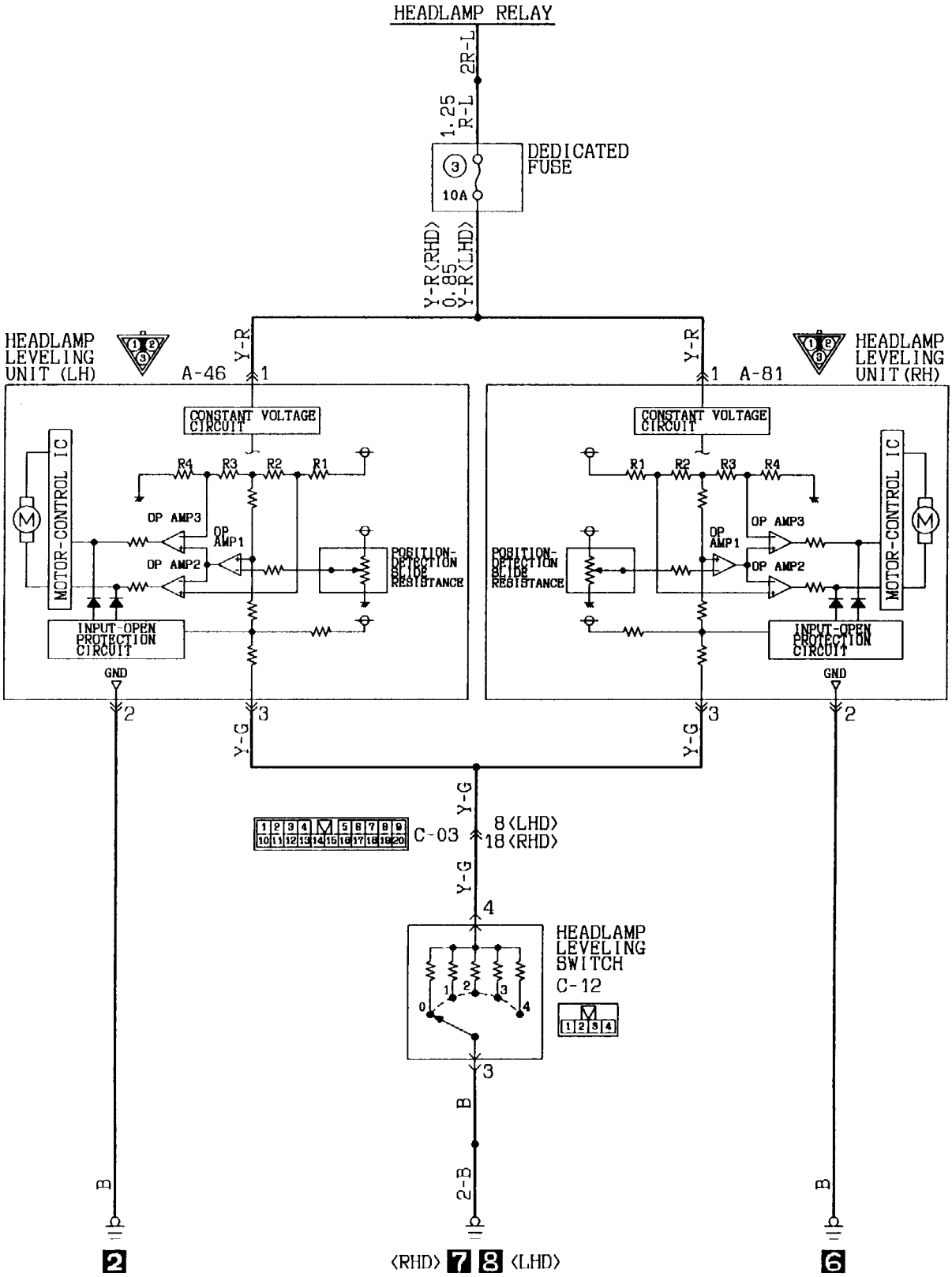


Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J0803-EC



9-4 Headlamp leveling system



Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

KX35-AC-J0804-EC

HEADLAMP-LEVELING SYSTEM (See P. 4-76.)

OPERATION

1. Headlamps angle-downward operation

- When the lighting switch is set to the "HEAD" position, the headlamp relay is switched ON, and battery voltage is applied, through the headlamp-leveling unit, to dedicated fuse No. ③.
- When the headlamp-leveling switch setting is changed from "0" to "1", the positive (+) input terminal voltage of the comparator OP AMP 1 (located within the headlamp-leveling unit) becomes greater than the negative (–) input terminal standard reference voltage value, and OP AMP 1 outputs HIGH signals to OP AMP 2 and OP AMP 3.
- As a result of these HIGH signals, OP AMP 2 outputs LOW signals and OP AMP 3 outputs HIGH signals to the motor-control IC.
- When this happens, the motor-control IC is switched ON, current flows to the motor, and the motor rotates in the forward direction.
- The rotation of the motor, after passing through the gears and the output shaft, causes the headlamp reflectors to move to a downward angle, thus changing the angle of headlamp illumination.
- At this time, the position-detection sliding resistance is activated in the direction of the low resistance value, after which the OP AMP 1 negative (–) input terminal voltage value and positive (+) input terminal voltage value become equivalent, and OP AMP 2 and OP AMP 3 both output HIGH signals.
- When this happen, the motor-control IC is switched OFF and the motor stops.

NOTE

(1) The same operation occurs if the headlamp-leveling switch is set to another position.

(2) The input open protection circuit functions to stop the operation of the motor if there is an abnormal condition, such as damaged or disconnected wiring within the headlamp-leveling unit or of the wiring harness.

2 Headlamps angle-upward operation

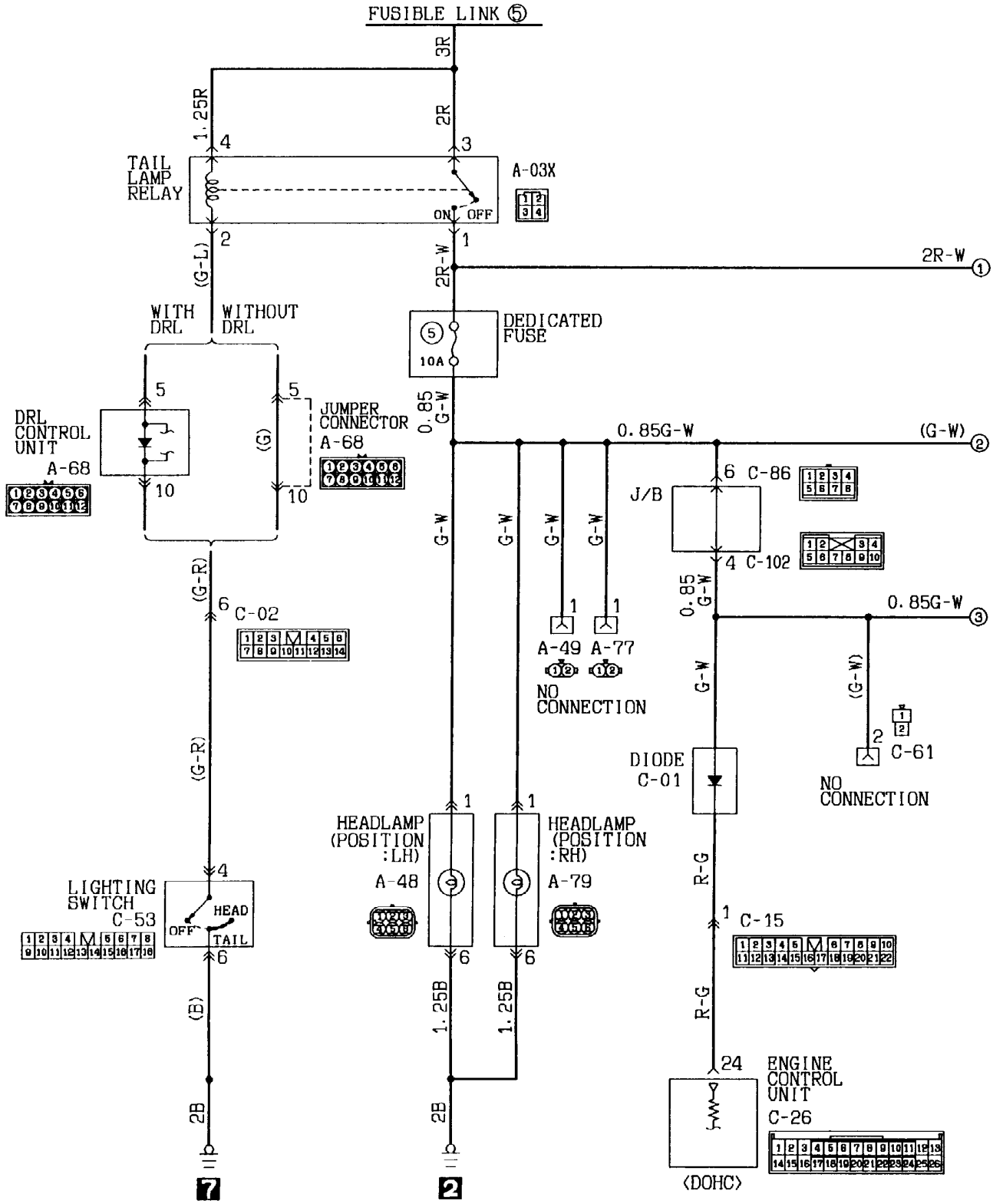
- The headlamp angle-upward operation is the opposite logic of the downward operation; the motor operates in the reverse direction and then stops.

TROUBLESHOOTING HINTS

1. Absolutely no change of the headlamp angle
   (1) The upper-beam indicator lamp illuminates.
      - Check the headlamp-leveling switch.
      - Check the headlamp-leveling unit.
   (2) The upper-beam indicator lamp does not illuminate.
      - Check dedicated fuse No. ③.
2. There is one setting of the headlamp-leveling switch at which the headlamp angle does not change.
   - Check the headlamp-leveling switch.

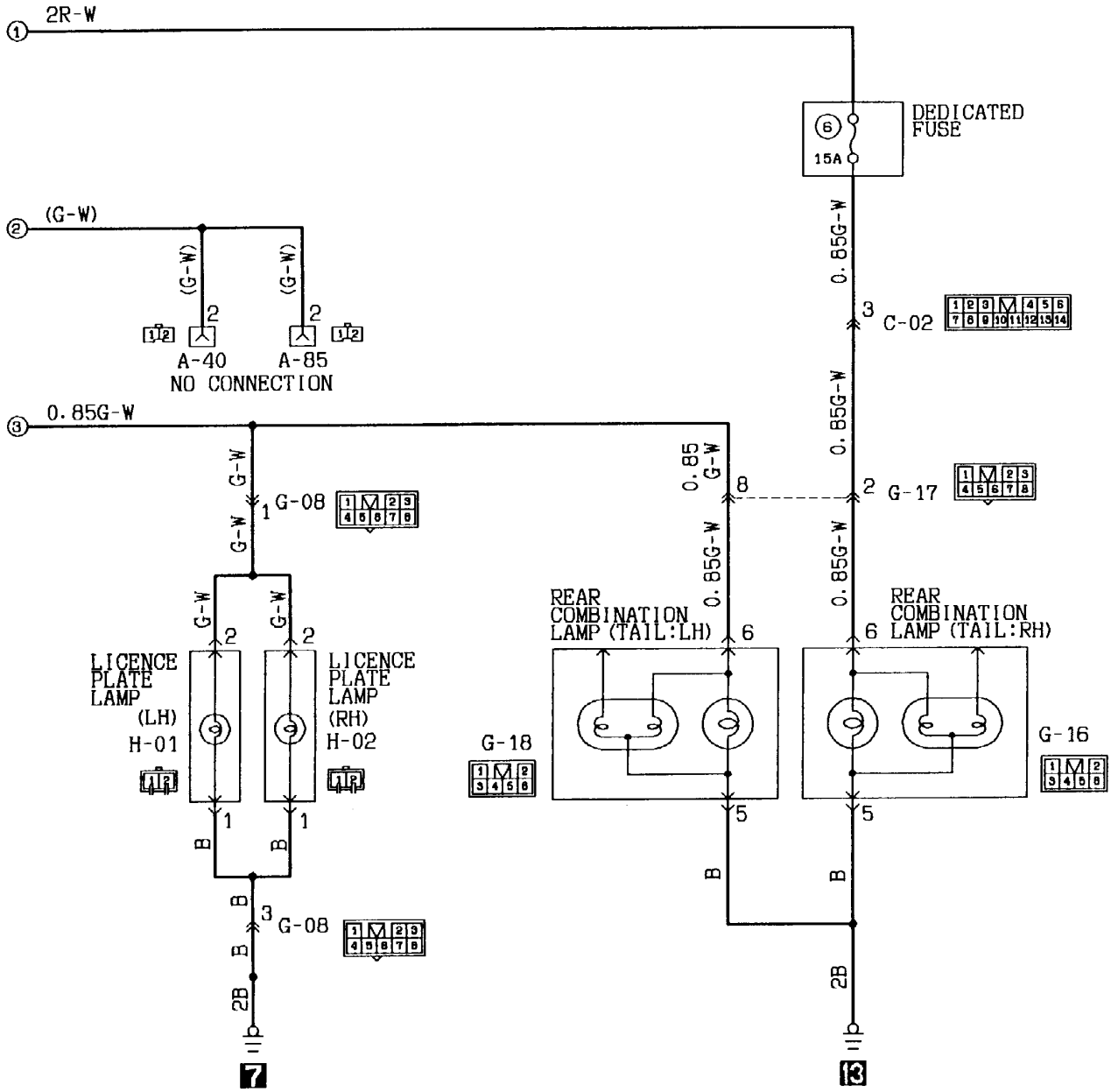
10 TAIL LAMP, POSITION LAMP, LICENCE PLATE LAMP CIRCUIT

10-1 L.H. drive vehicles

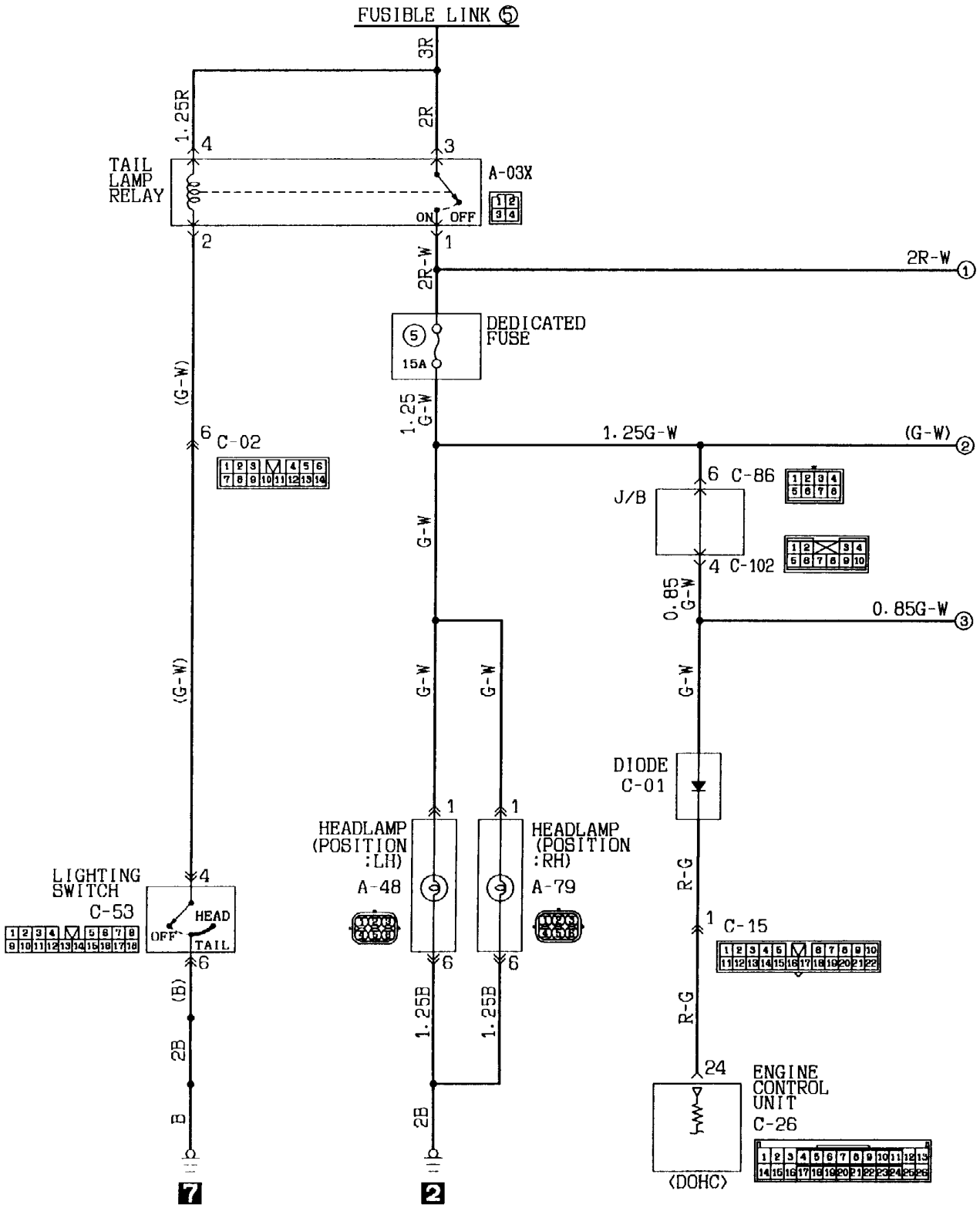


Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J0805-EC

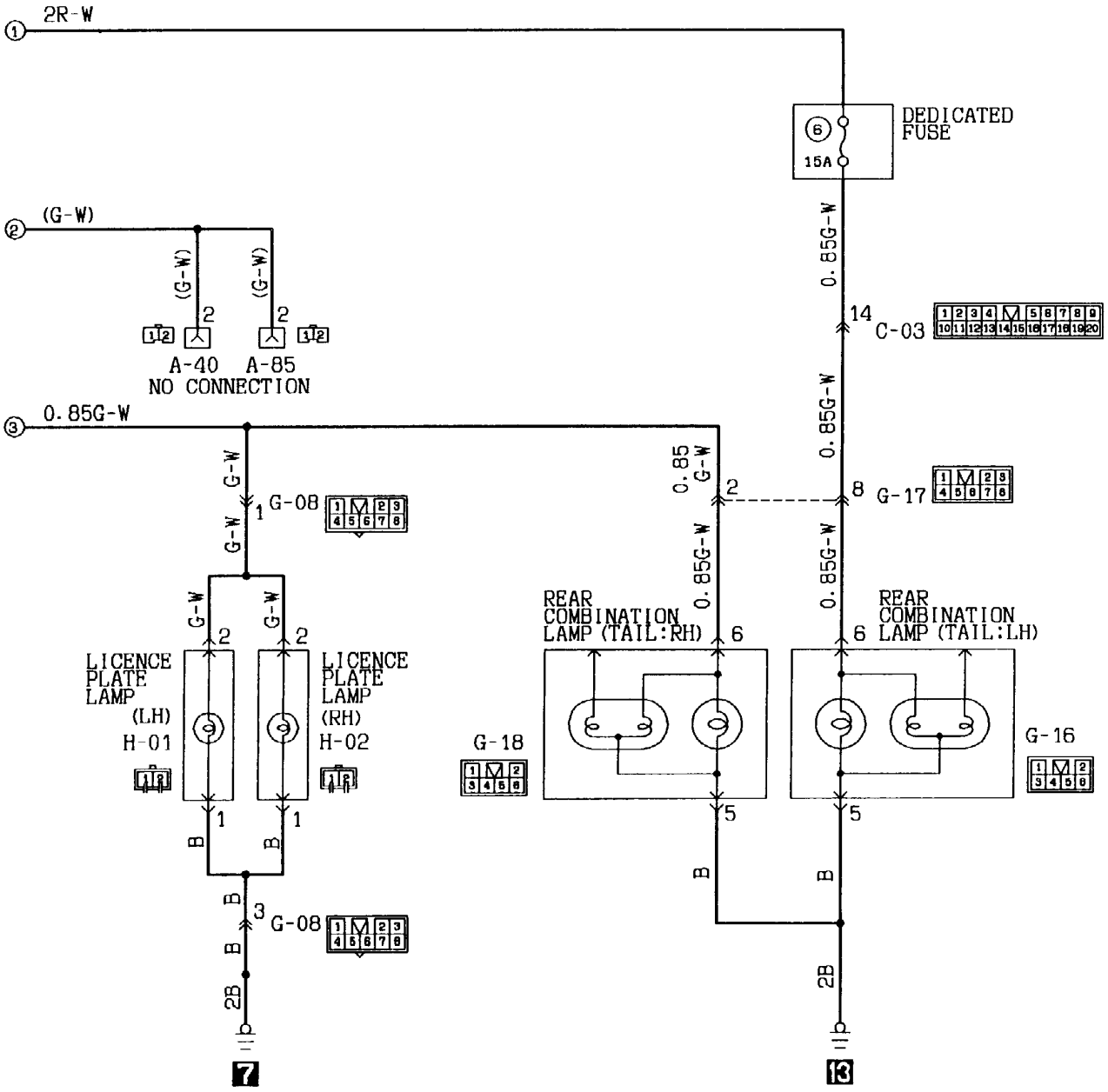


10-2 R.H. drive vehicles



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J0808-EC



TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP CIRCUIT (See P. 4-78, 80.)

OPERATION

- Placing the lighting switch in the TAIL or HEAD position causes the tail lamp relay to be energized.
- As a result, current flows by way of dedicated fuse No. ⑤ and No. ⑥ to each lamp, causing the lamp to go on.

TROUBLESHOOTING HINTS

1. No lamp go on.
   1) Headlamps do not go on, either.
      - Check fusible link No. ⑤.
   2) Headlamps go on.
      - Check tail lamp relay.
      - Check dedicated fuse No. ⑤ and No. ⑥.

FRONT FOG LAMP CIRCUIT (See P. 4-83.)

OPERATION

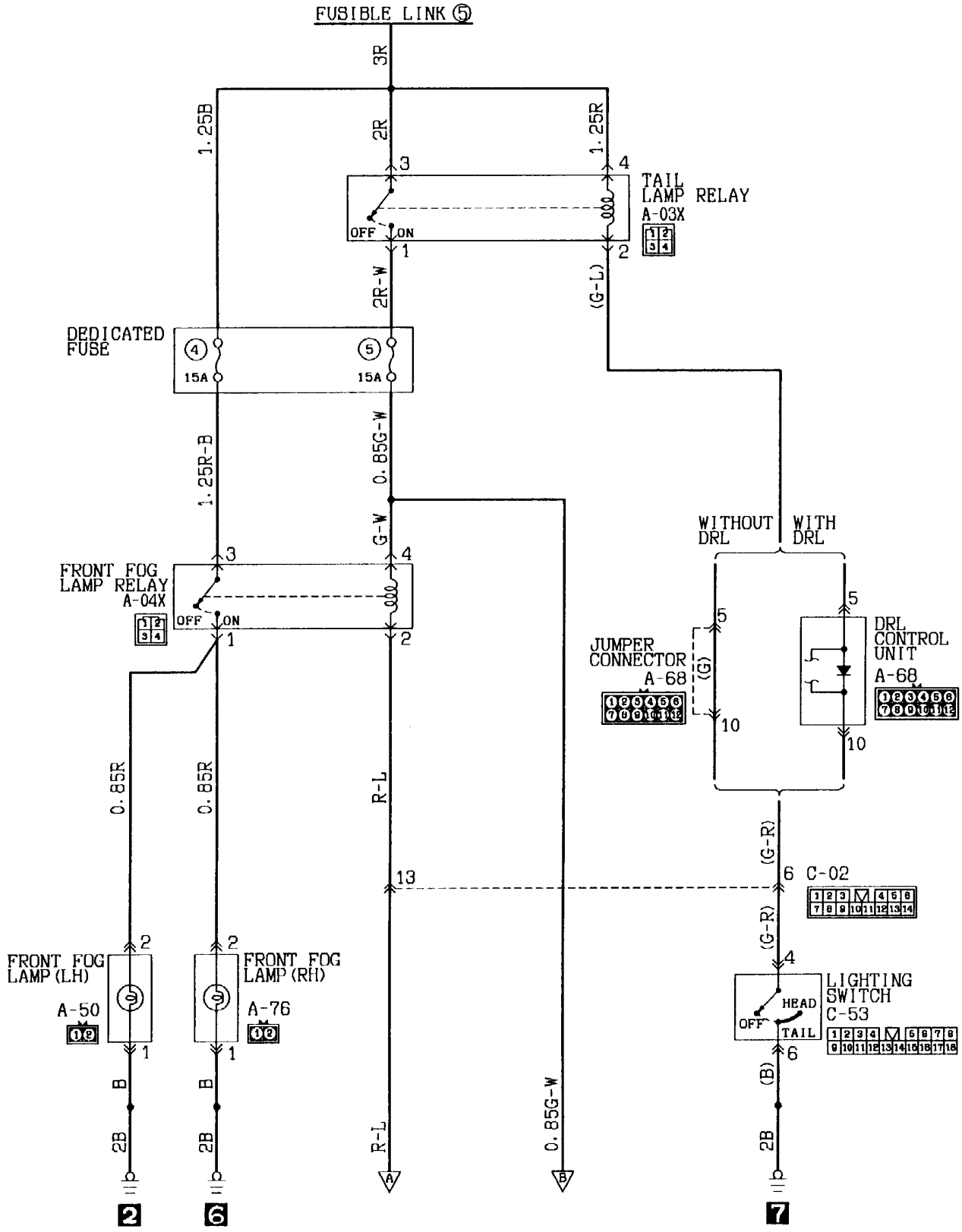
- If the fog lamp switch is turned to the "ON" position when the lighting switch is at the "TAIL" or "HEAD" position, the front fog lamp relay is turned on and the front fog lamp lights up.

TROUBLESHOOTING HINTS

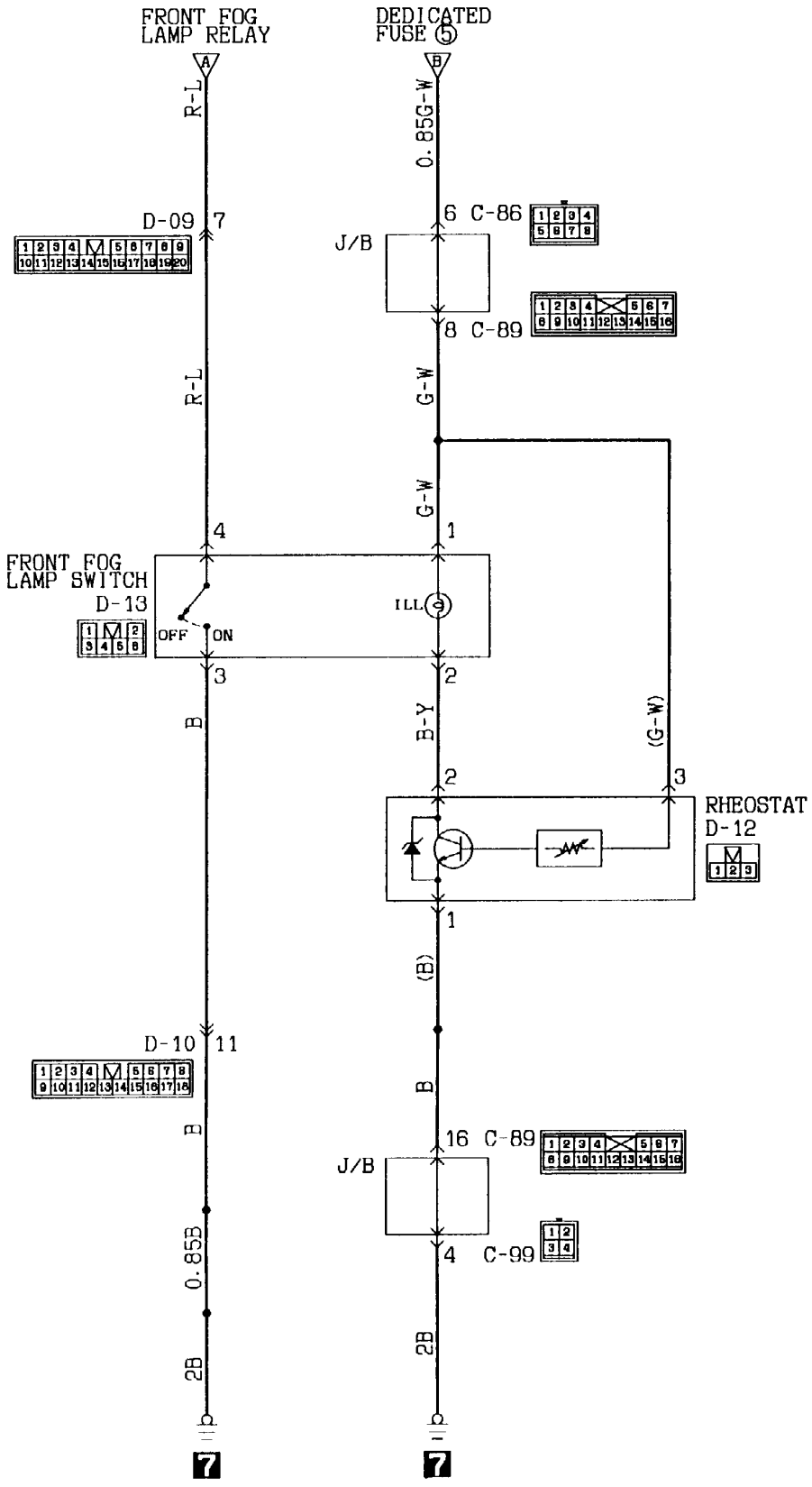
1. The front fog lamp does not light up.
   1) The tail lamp lights up.
      - Check dedicated fuse No. ④.
      - Check front fog lamp relay.
      - Check front fog lamp switch.

11 FRONT FOG LAMP CIRCUIT

11-1 L.H. drive vehicles



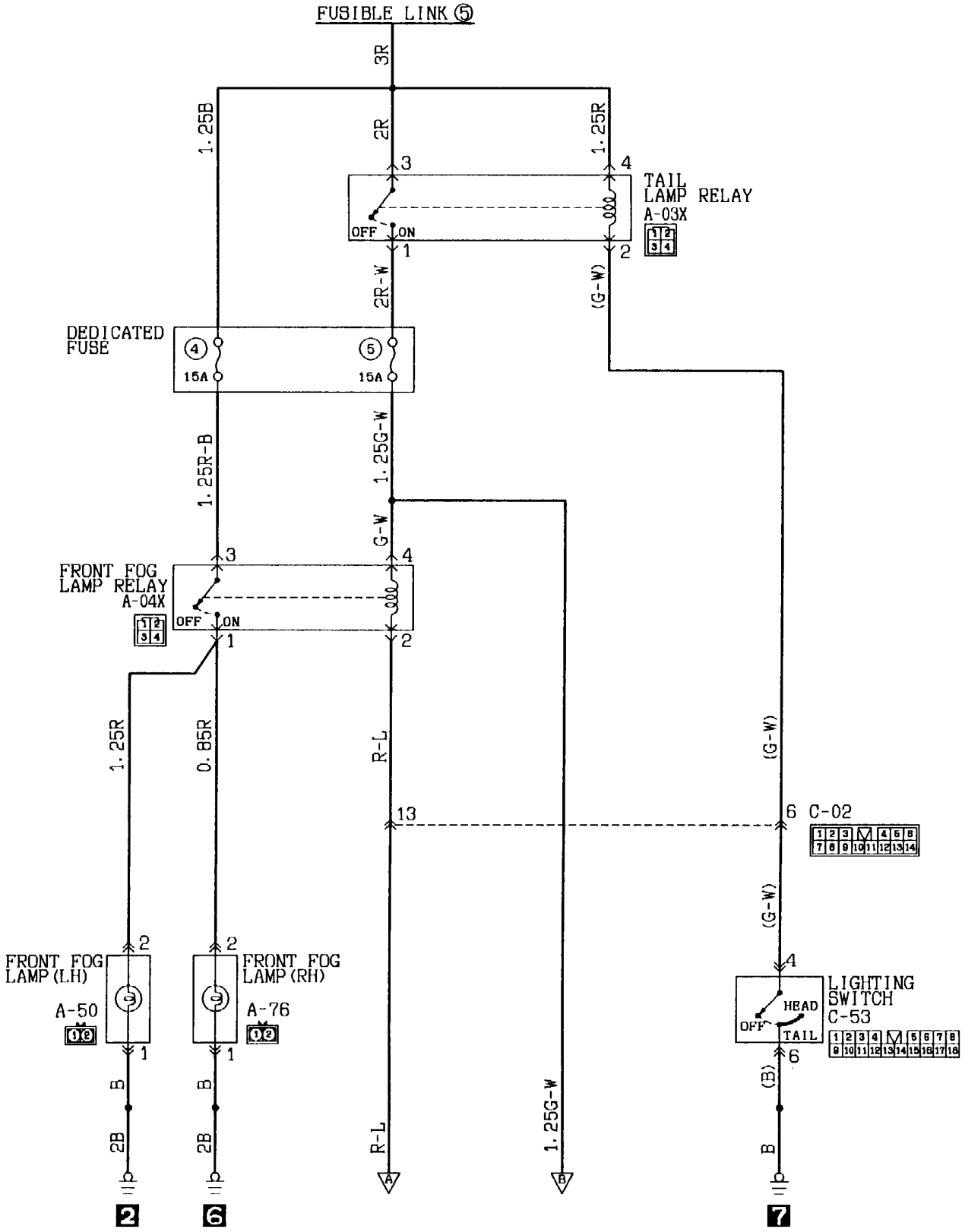
KX35-AC-J0807-EC



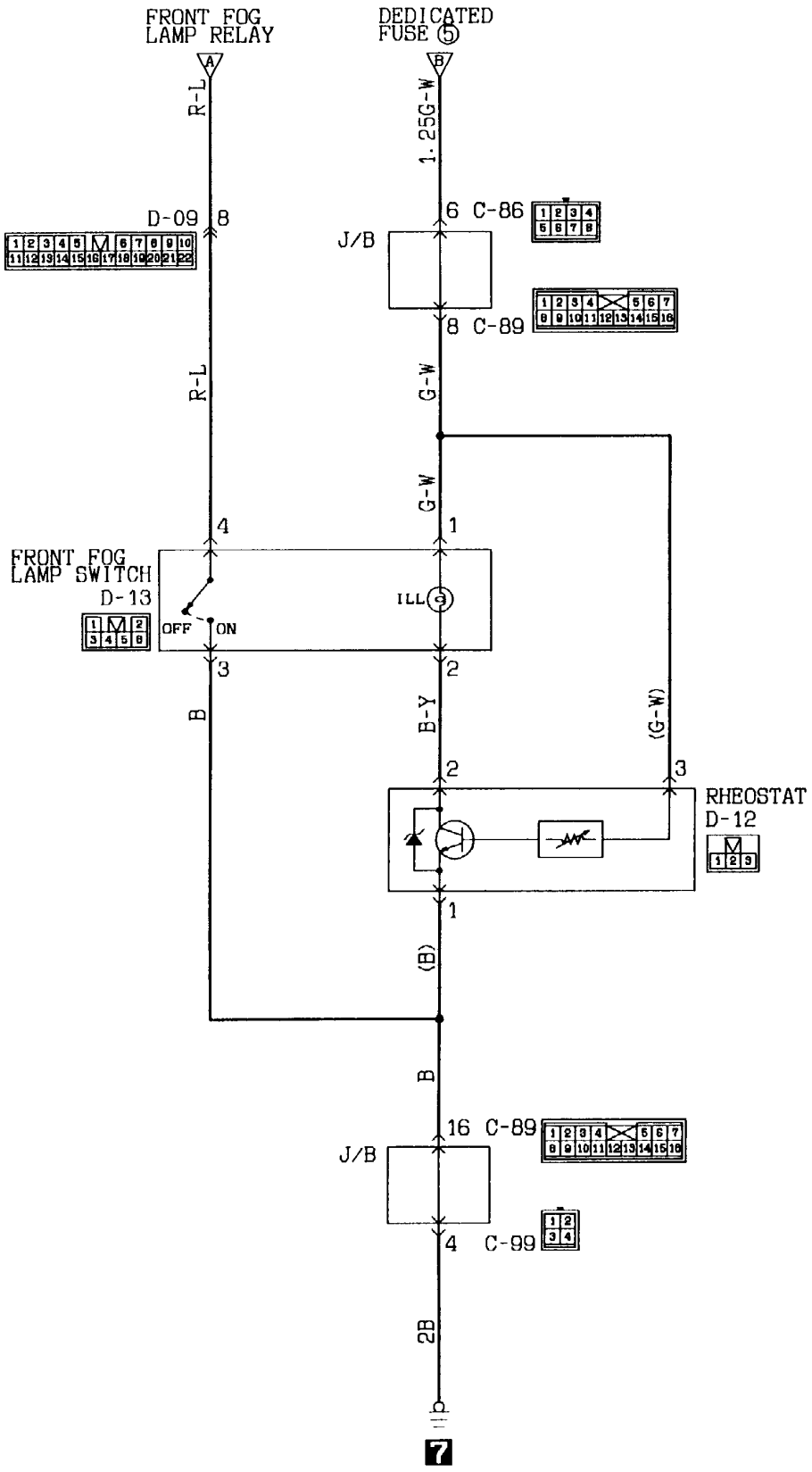
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

11-2 R.H. drive vehicles



KX35-AC-J0808-EC



Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

REAR FOG LAMP CIRCUIT (See P. 4-88, 91.)

OPERATION

Rear Fog lamp Relay ON Conditions

Ignition switch	Lighting switch	Rear fog lamp relay
"ACC" or "ON"	"HEAD"	ON

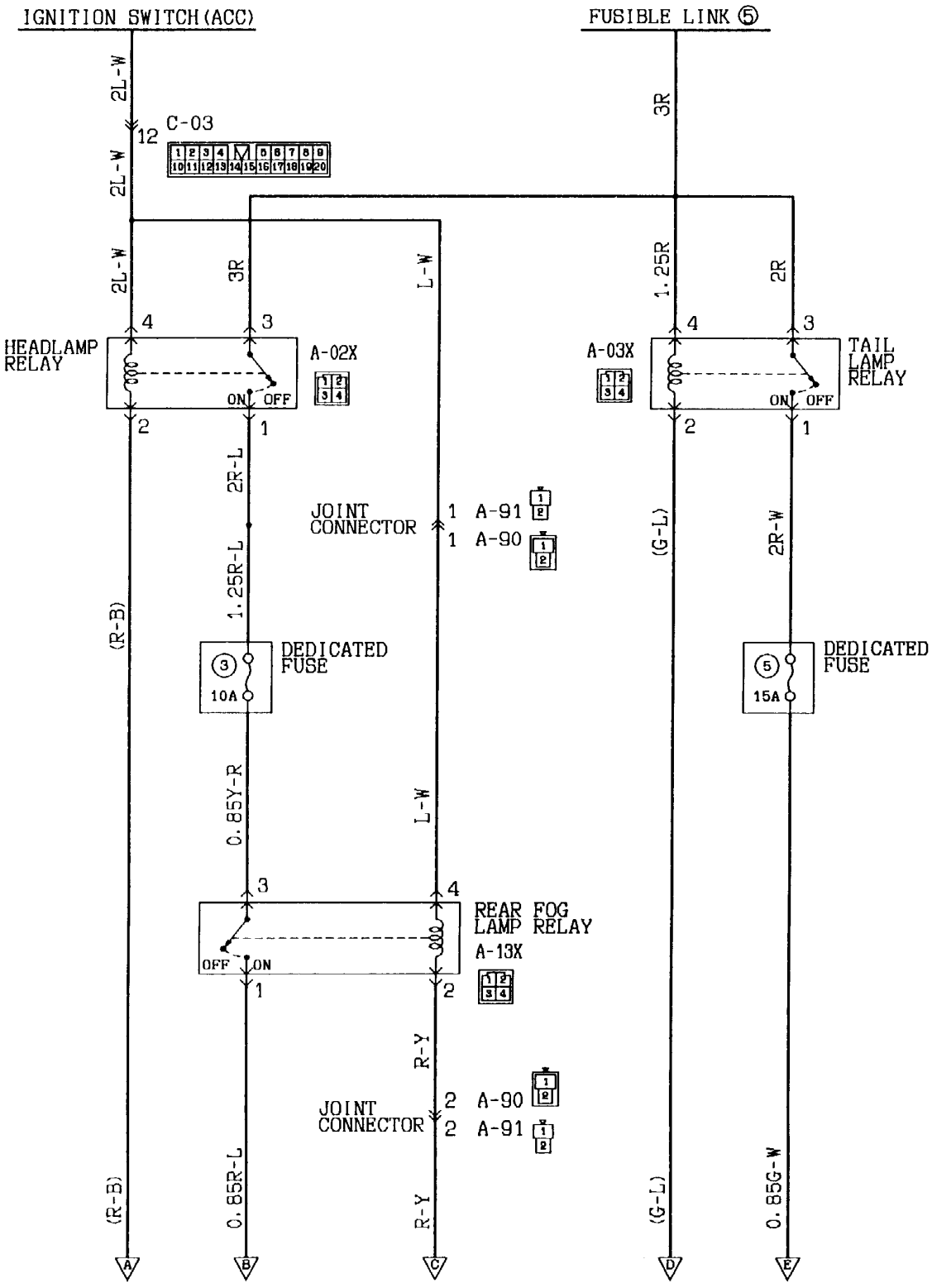
- Placing the lighting switch in the HEAD position causes the rear fog lamp relay to be energized.
- When the rear fog lamp switch is turned ON in this condition, the rear fog lamp goes on.

TROUBLESHOOTING HINTS

1. The rear fog lamp doesn't illuminate.
   1) Headlamps go on.
      - Check the rear fog lamp relay.
      - Check the rear fog lamp switch.
      - Check the dedicated fuse No. ③.
   2) Headlamps do not go on, either.
      - Check the lighting switch.
      - Check the fusible link No. ⑤.
2. The rear fog lamp at the one side doesn't illuminate.
   - Check the lamp bulb.

12 REAR FOG LAMP CIRCUIT

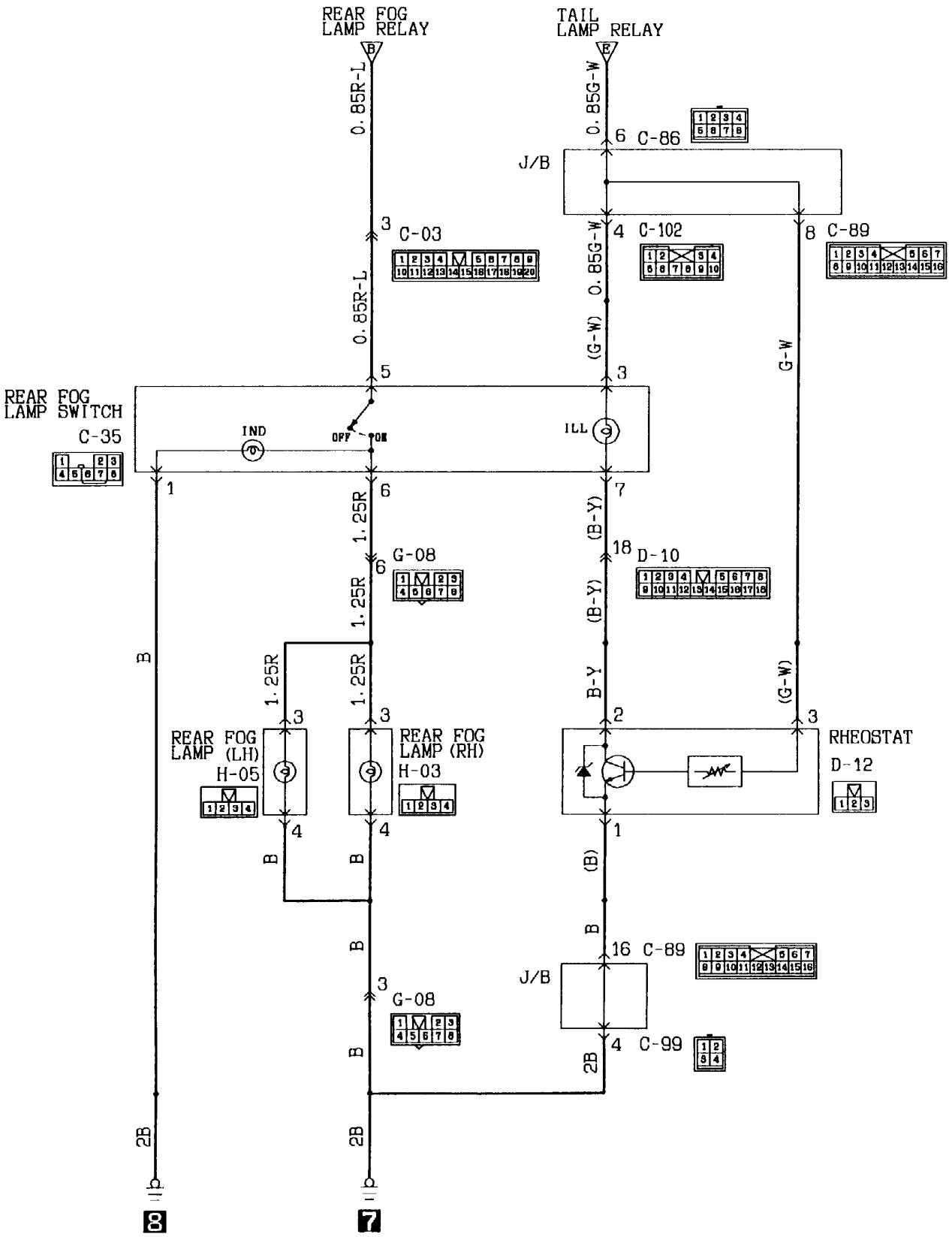
12-1 L.H. drive vehicles

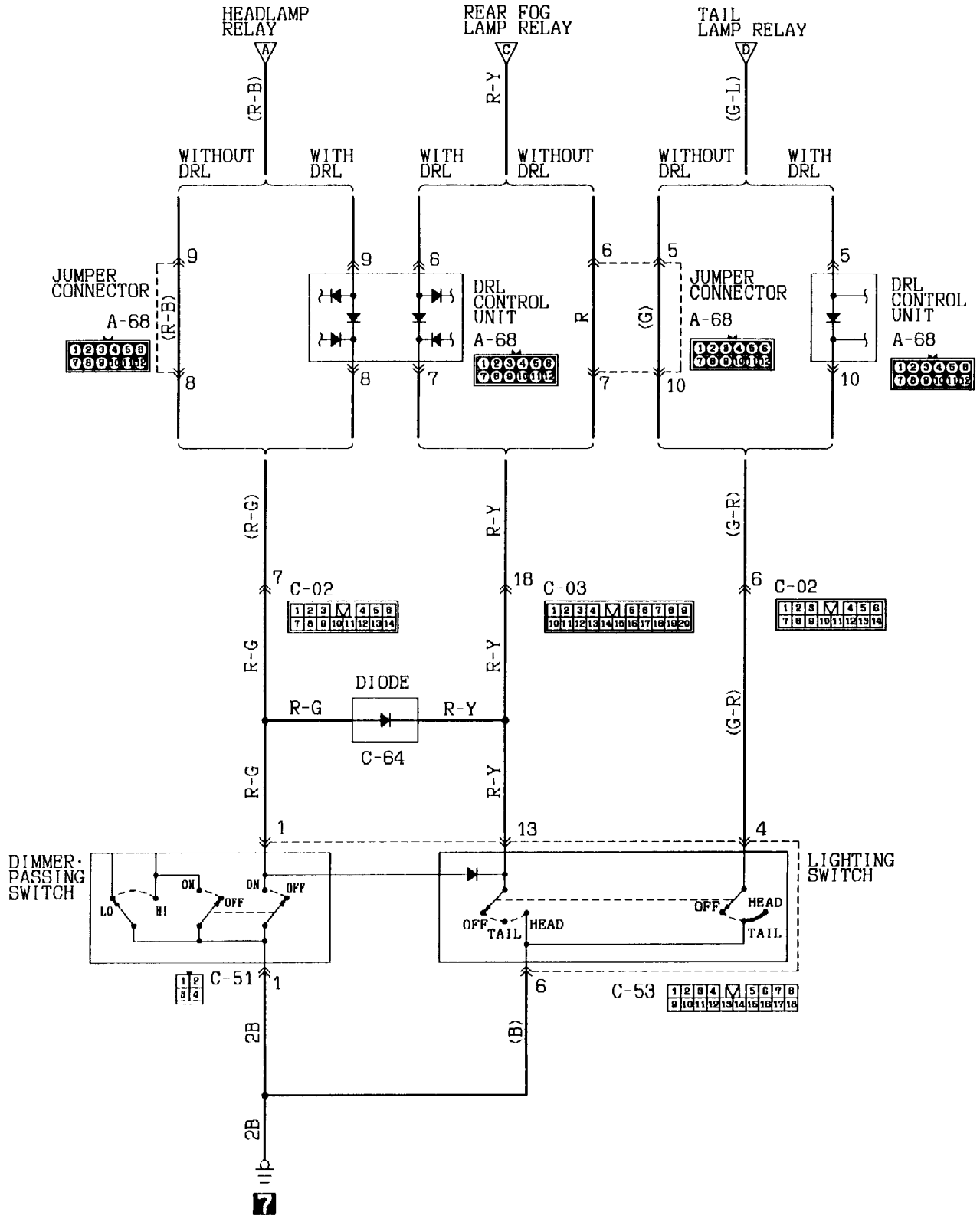


Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

KX35-AC-J0809-EC

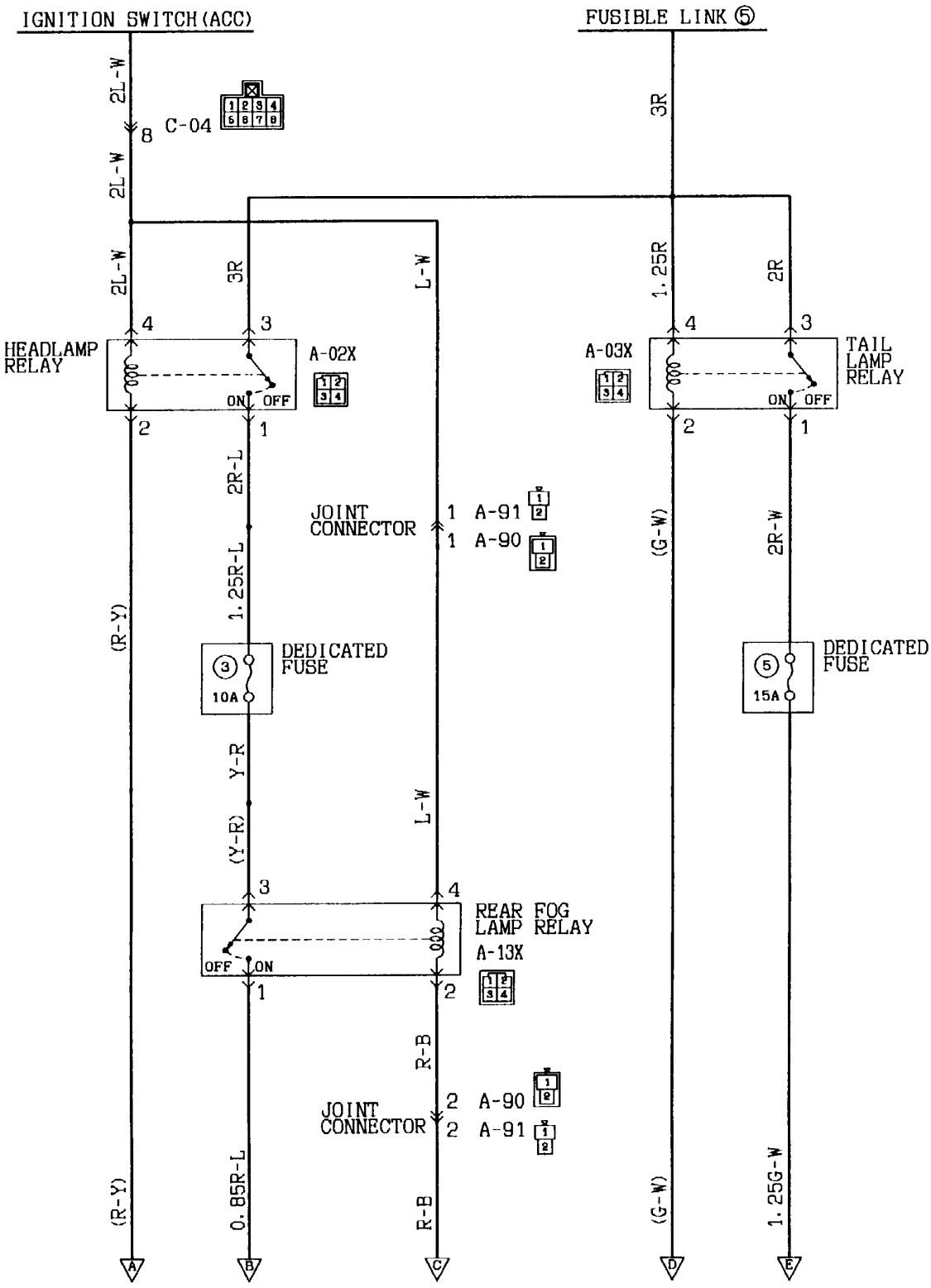




Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

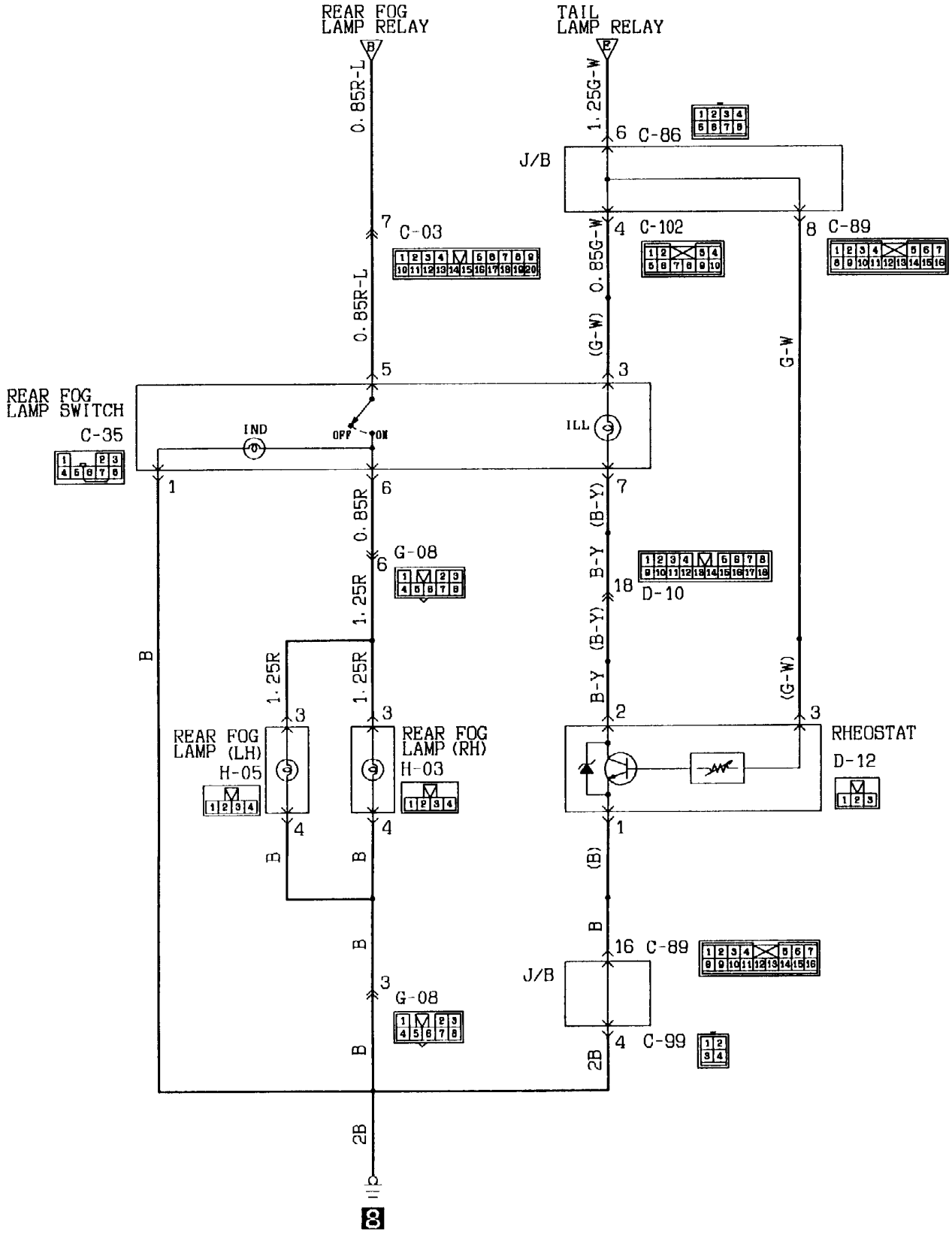
KX35-AC-J0809A-EC

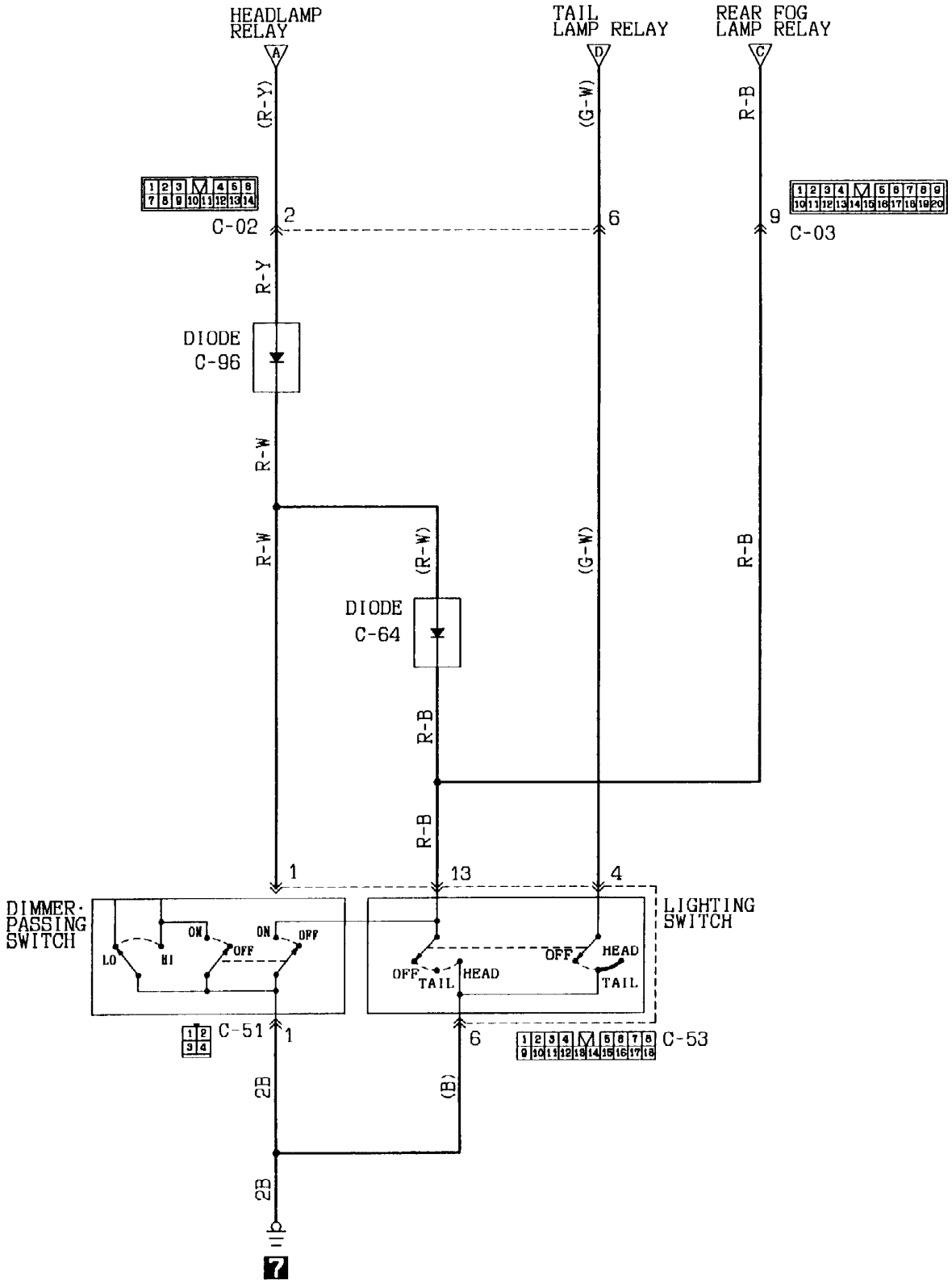
12-2 R.H. drive vehicles



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J0810-EC


REAR FOG LAMP RELAY
TAIL LAMP RELAY
0.85R-L
1.25G-W
6 C-86
J/B
7 C-03
4 C-102
8 C-89
0.85R-L
0.85G-W
(G-W)
G-W
5
3
REAR FOG LAMP SWITCH
C-35
IND
OFF
ON
ILL
1
6
7
0.85R
B-Y (B-Y)
6 G-08
18 D-10
1.25R
B-Y (B-Y)
1.25R
1.25R
(G-W)
3
2
3
REAR FOG LAMP (LH)
H-05
REAR FOG LAMP (RH)
H-03
RHEOSTAT
D-12
4
4
1
B
B
(B)
B
B
16 C-89
J/B
3 G-08
4 C-99
B
2B
2B
8



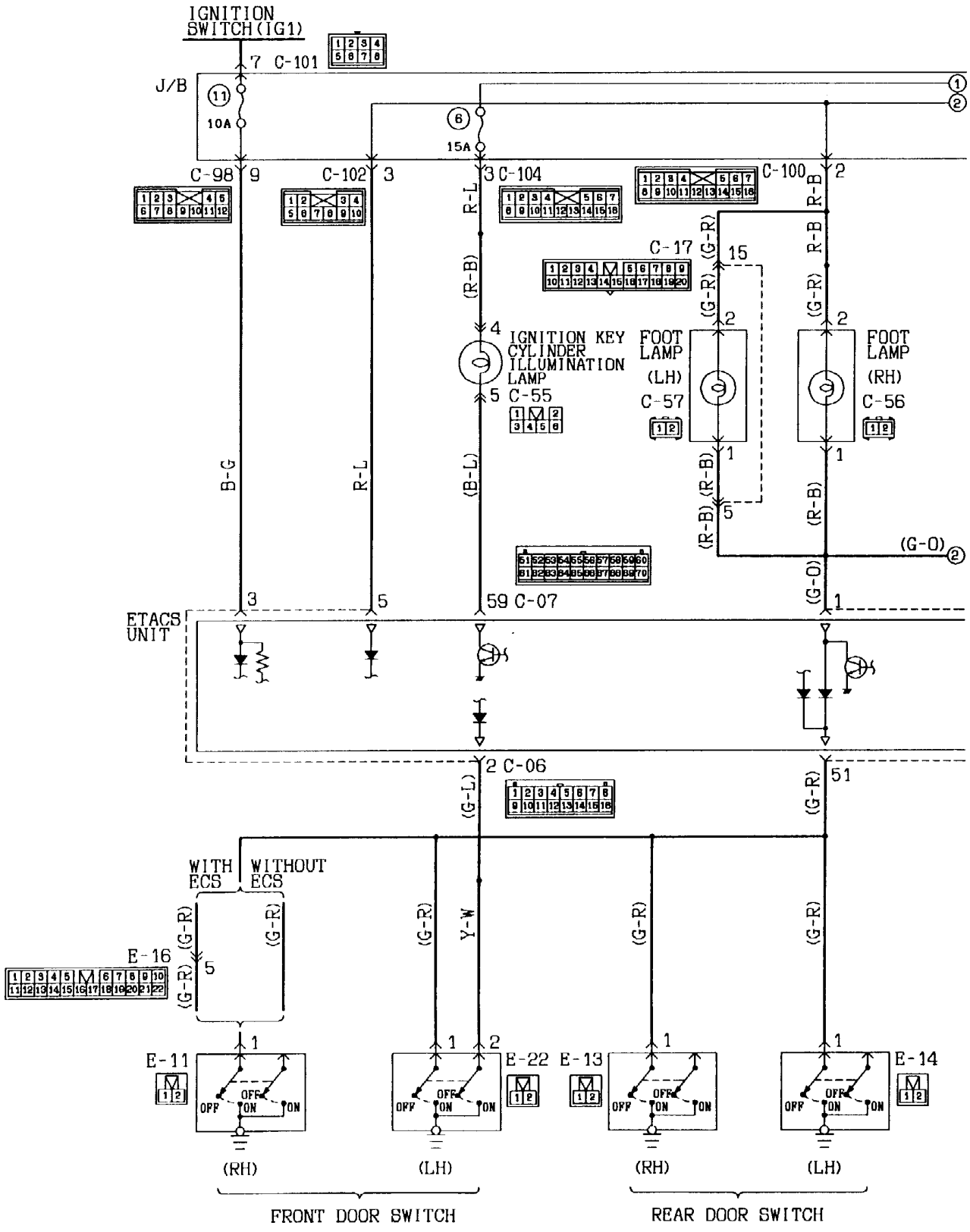
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

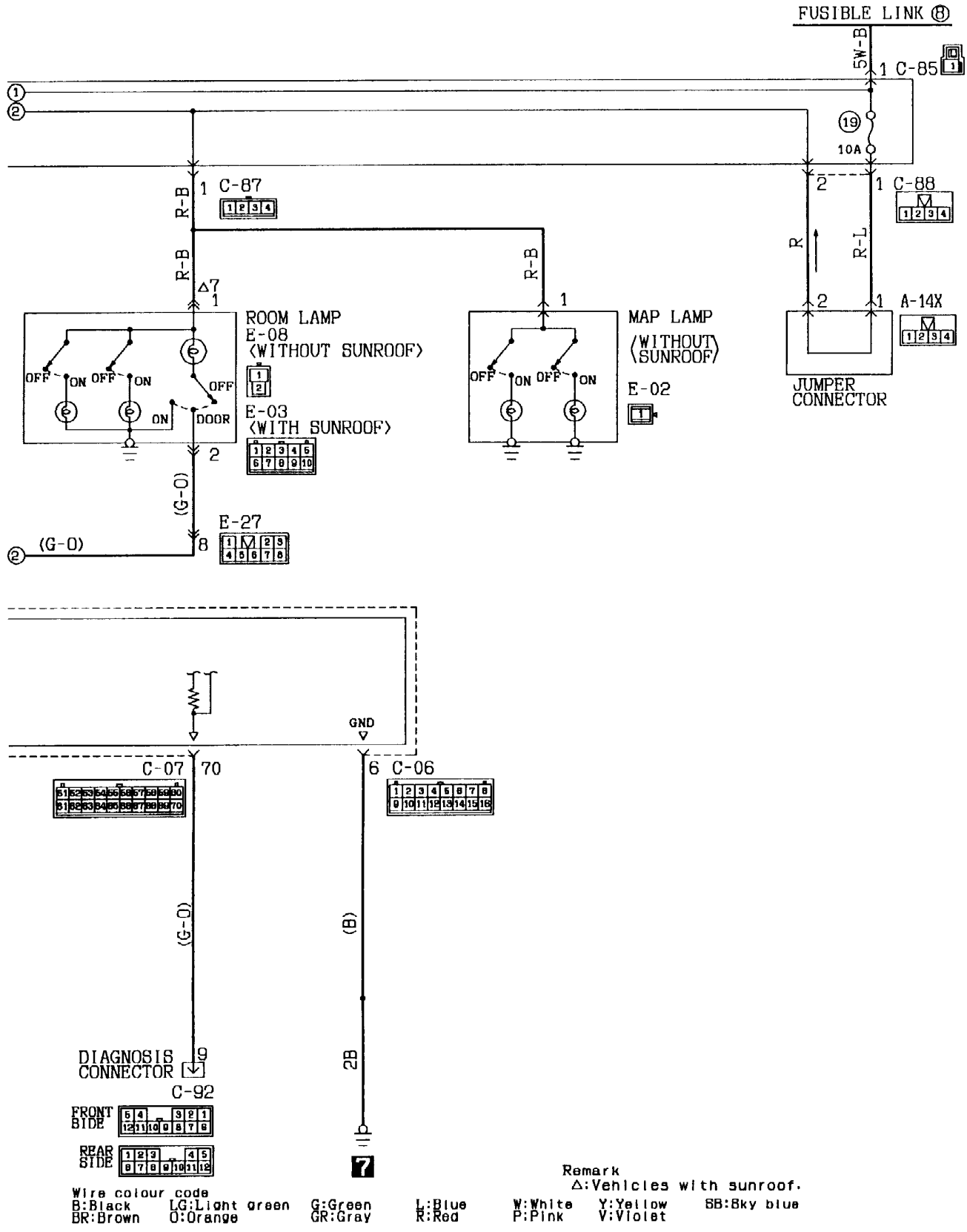
KX35-AC-J0B10A-EC

13 ROOM LAMP, MAP LAMP, FOOT LAMP AND IGNITION KEY CYLINDER ILLUMINATION LAMP CIRCUIT

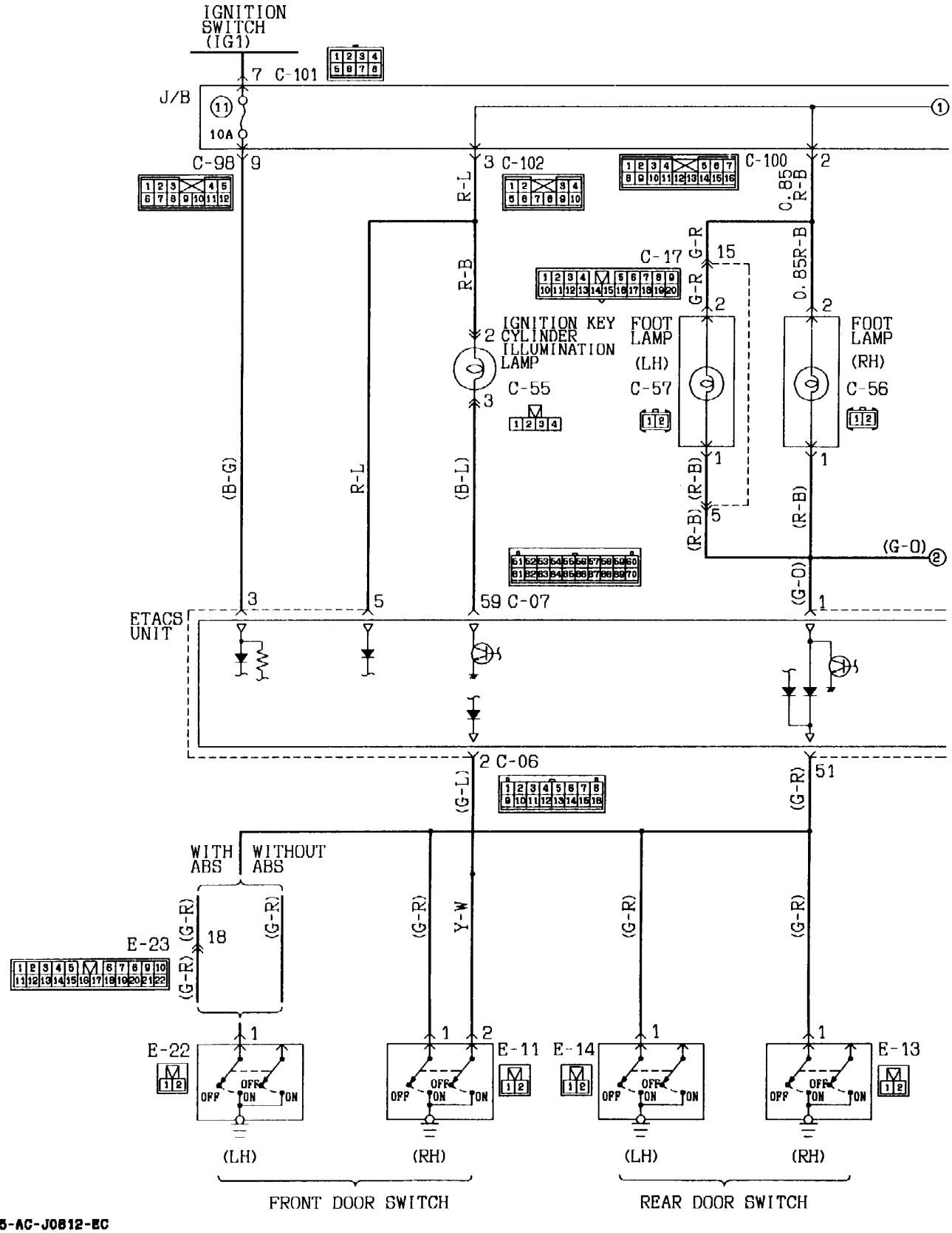
13-1 L.H. drive vehicles



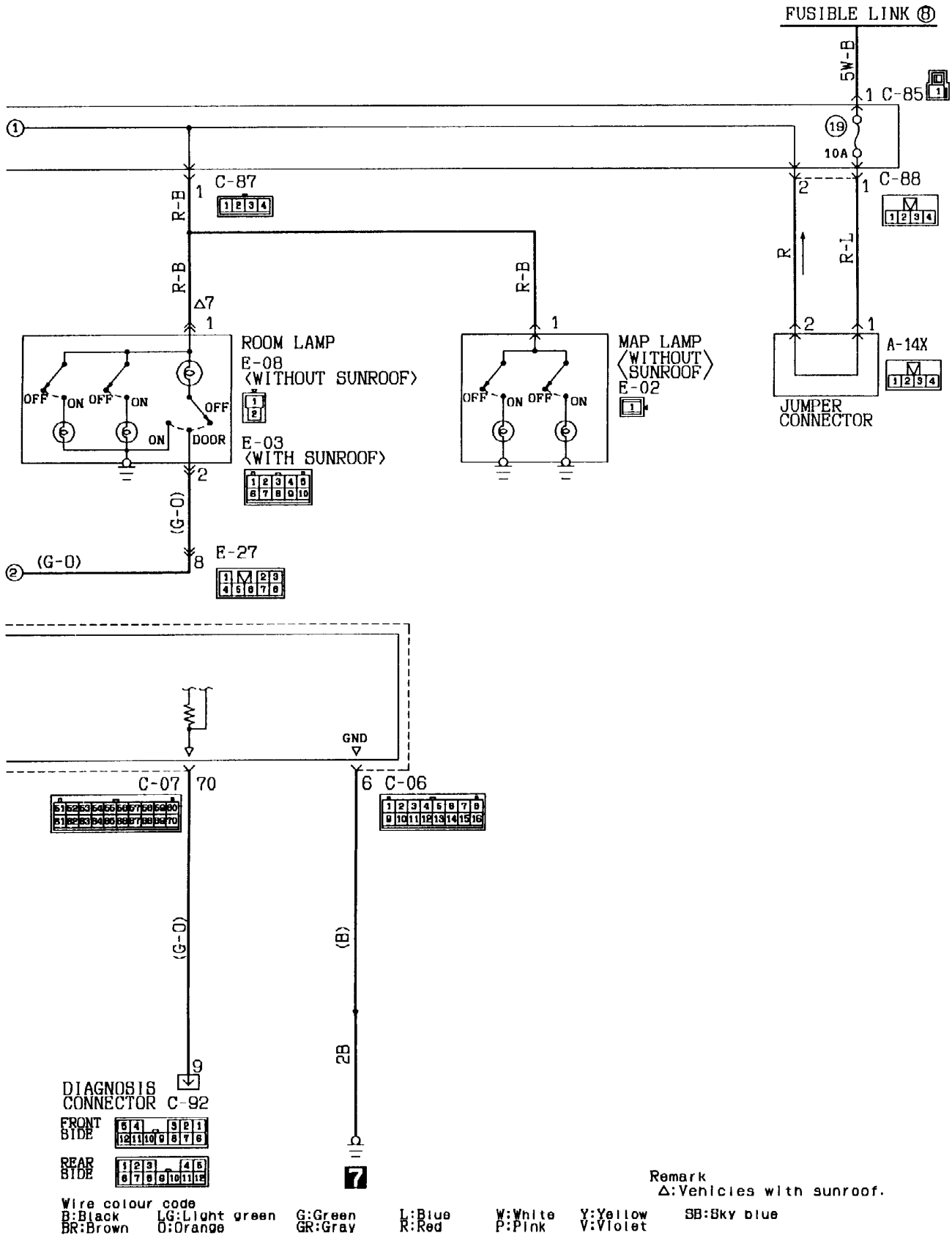
KX35-AC-J0811-EC



13-2 R.H. drive vehicles



KX35-AC-J0812-EC



ROOM LAMP, MAP LAMP, FOOT LAMP AND IGNITION KEY CYLINDER ILLUMINATION LAMP CIRCUIT (See P. 4-94, 96.)

OPERATION

<ROOM LAMP>

- Placing the room lamp switch in the "ON" position causes the room lamp to come on at all times.
- Opening any one of the doors with the room lamp switch in the "DOOR" position causes the room lamp to come on.
- When all doors are closed, the timer function of the ETACS unit will be activated to gradually dim the room lamp and turn it off in approx. 6 seconds.

Remarks
- If the ignition switch is in the "ON" position, it will immediately go out without dimming.

<FOOT LAMP>

- When any door is opened, the foot lamp will come on.
- When all doors are closed, the timer function of the ETACS unit will be activated to gradually dim the foot lamp and turn it off in approx. 6 seconds.

Remarks
- If the ignition switch is in the "ON" position, it will immediately go out without dimming.

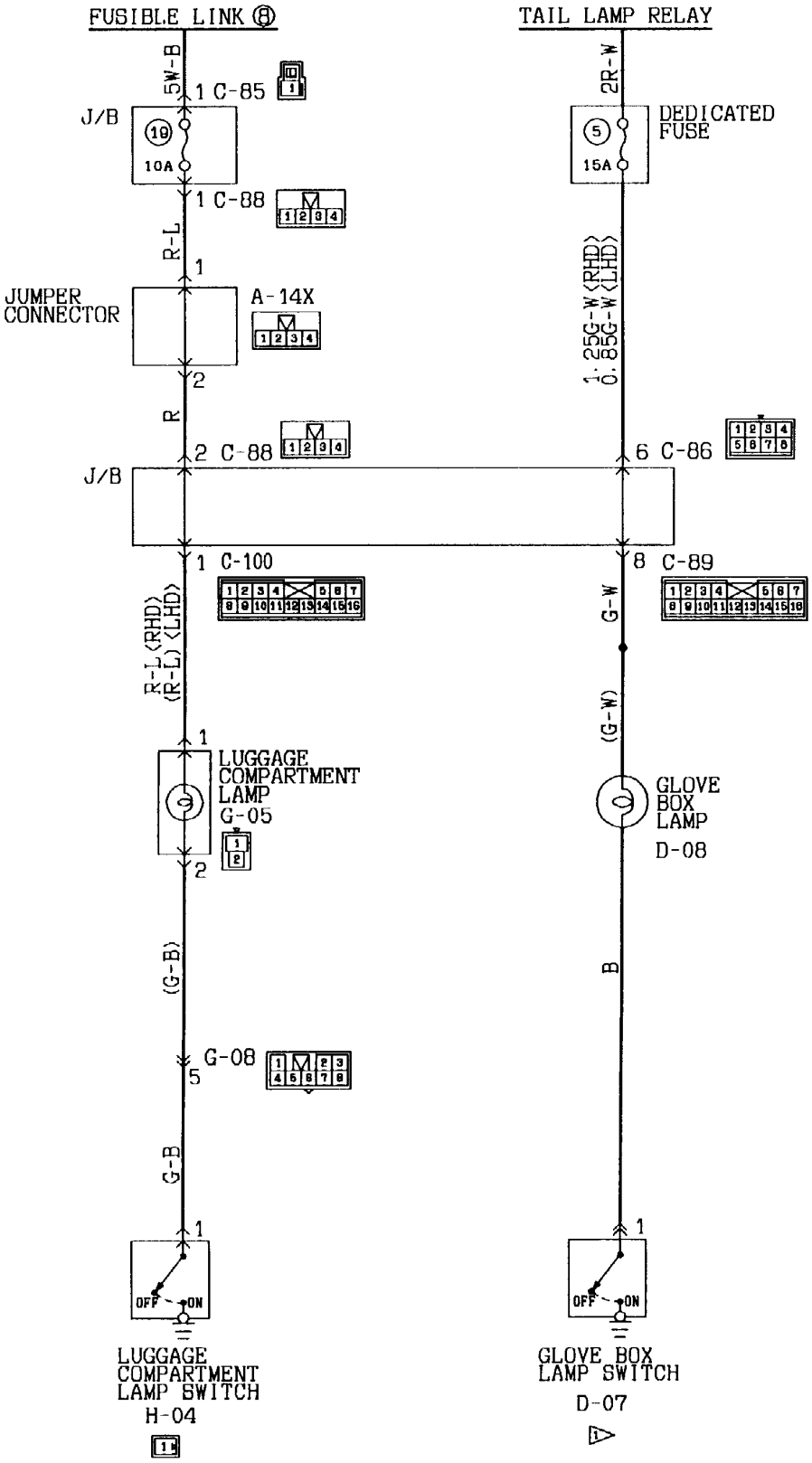
<IGNITION KEY CYLINDER ILLUMINATION LAMP>

- When the driver's seat door is opened, the illumination lamp of the ignition key cylinder will be lit for approx. 10 seconds with the timer function of the ETACS unit.
- The illumination lamp of the ignition key cylinder will go out when the ignition switch is turned into the "ON" position while the lamp is lit.

TROUBLESHOOTING HINTS

1. Room lamp, map lamp and foot lamp do not go on. <L.H. drive vehicles>
   - Check multi-purpose fuse No. ⑲.
2. The room lamp, map lamp, foot lamp and ignition key cylinder illumination lamp all don't go on. <R.H. drive vehicles>
   - Check multi-purpose fuse No. ⑲.
3. Room lamp does not go on when any door is opened with the room lamp switch in the "DOOR" position.
   - Check lamp bulb.
   - Check room lamp switch.
4. Room lamp does not go on when a door is opened with the room lamp switch in the "DOOR" position.
   - Check door switch.
5. Ignition key cylinder illumination lamp does not go on.
   - Check multi-purpose fuse No. ⑥. <L.H. drive vehicles>
   - Check driver's side door switch.
6. When the door is closed, the room lamp and foot lamp immediately go out.
   - Check ETACS unit.

14 LUGGAGE COMPARTMENT LAMP AND GLOVE BOX LAMP CIRCUIT



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J0813-EC

LUGGAGE COMPARTMENT LAMP AND GLOVE BOX LAMP CIRCUIT (See P. 4-99.)

OPERATION

<Luggage compartment lamp>

- Battery voltage is being applied at all times to the luggage compartment lamp through the fusible link No. ⑧ and multi-purpose fuse No. ⑲.
- Opening the luggage compartment lid turns ON the luggage compartment lamp switch causing the luggage compartment lamp to light up.

<Glove box lamp>

- Placing the lighting switch in the TAIL or HEAD position causes the tail lamp relay to be energized.
- When the glove box is opened in this state, the glove box lamp switch turns on to light the glove box lamp.

TROUBLESHOOTING HINTS

1. Luggage compartment lamp does not go on.
   1) Room lamp does not go on, either.
      - Check multi-purpose fuse No. ⑲.
   2) Room lamp goes on.
      - Check the lamp bulb.
      - Check the luggage compartment lamp switch (contact and earth).
2. Glove box lamp does not go on.
   1) Each illumination lamp also does not go on.
      - Check dedicated fuse No. ⑤.
   2) Each illumination lamp goes on.
      - Check the glove box lamp switch (contact and earth).

DOOR LAMP CIRCUIT (See P. 4-101, 102.)

OPERATION

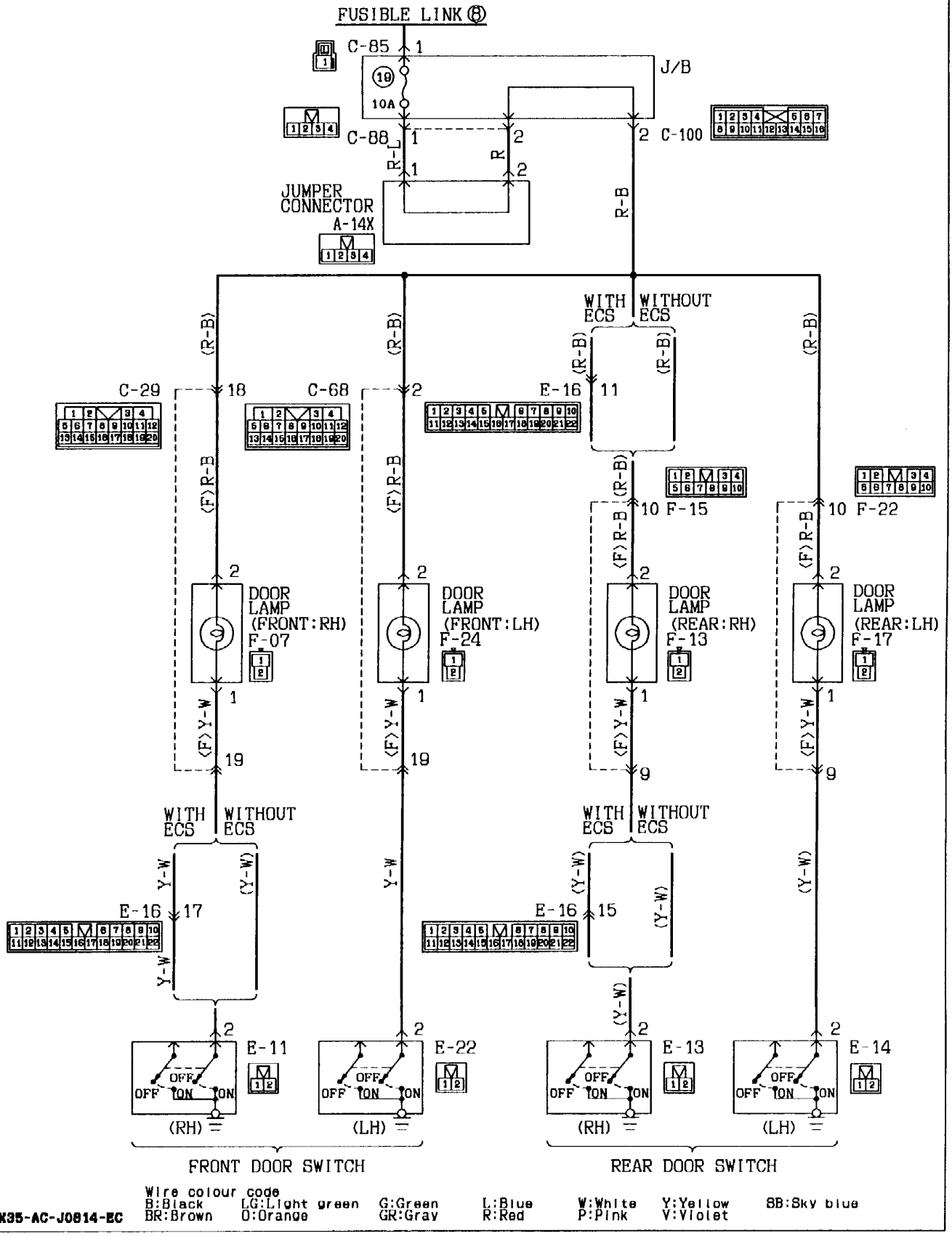
- Battery voltage is always applied to the door lamp through the fusible link No. ⑧ and multi-purpose fuse No. ⑲.
- When each door is opened, the door switch turns on to light the door lamp.

TROUBLESHOOTING HINTS

1. Door lamp does not go on.
   1) Every door lamp does not go on.
      - Check dedicated fuse No. ⑲.
   2) Any of door lamps does not go on.
      - Check the lamp bulb.
      - Check the door switch (contact and earth).

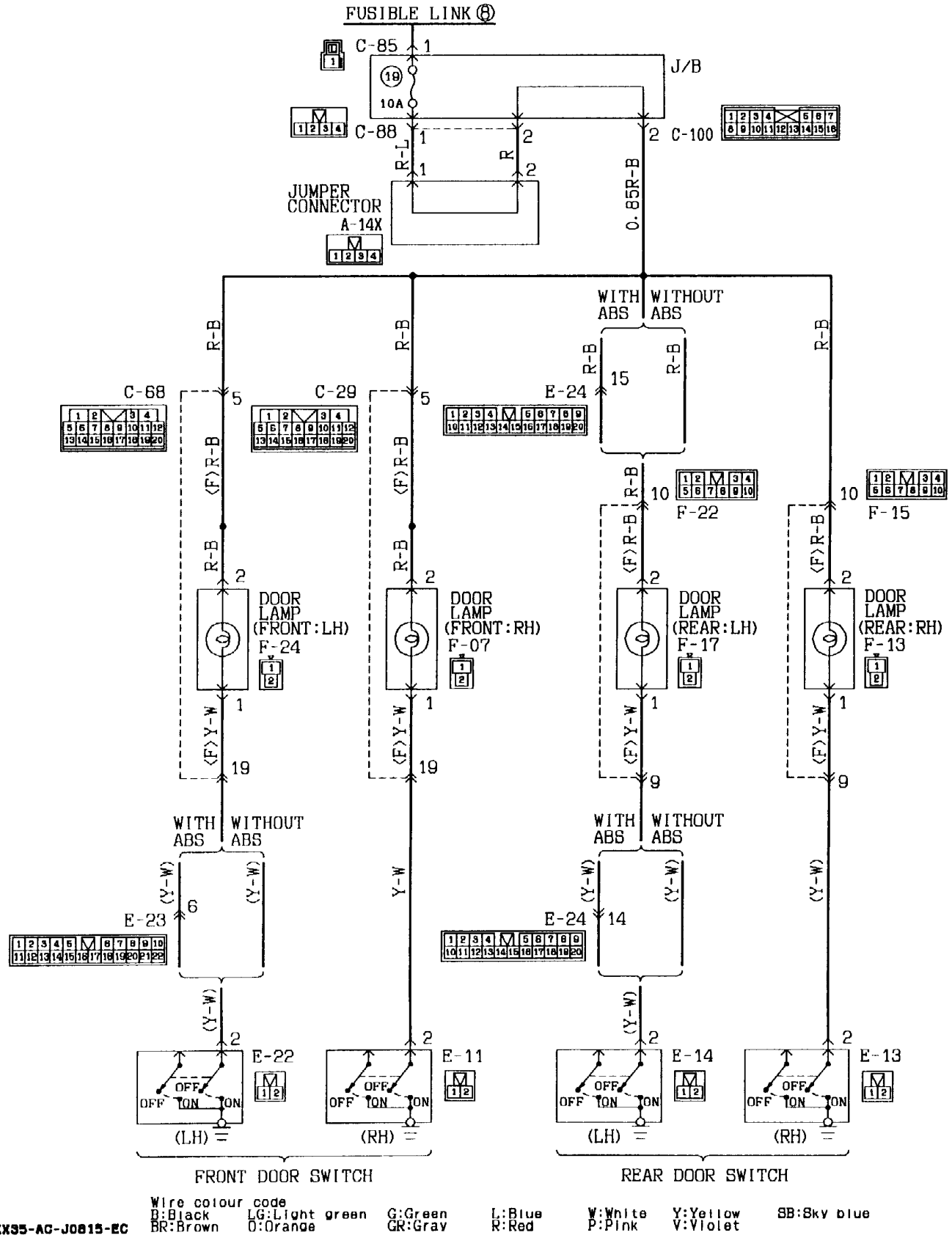
15 DOOR LAMP CIRCUIT

15-1 L.H. drive vehicles



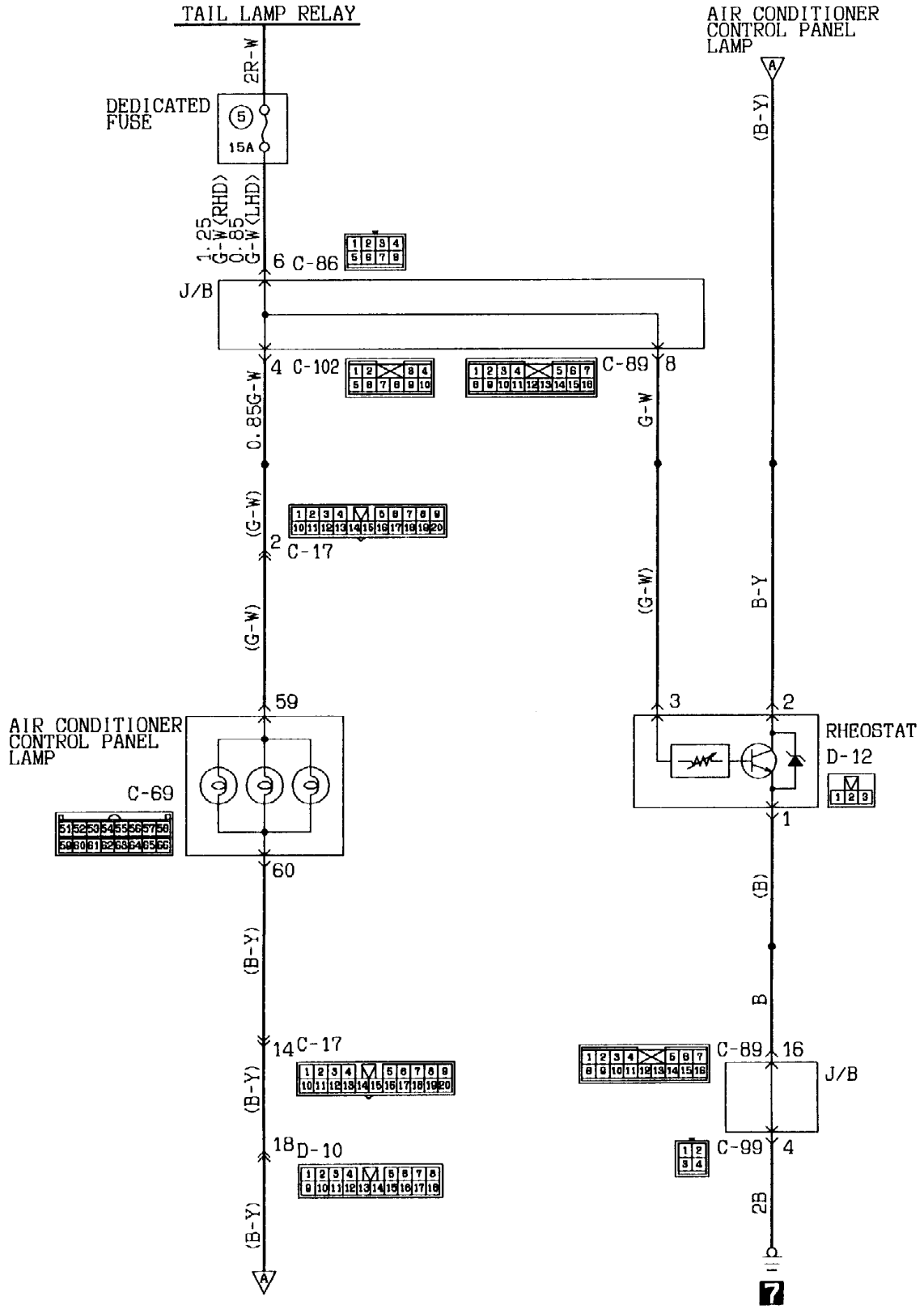
KX35-AC-J0814-EC

15-2 R.H. drive vehicles



KX35-AC-J0815-EC

16 AIR CONDITIONER CONTROL PANEL LAMP CIRCUIT

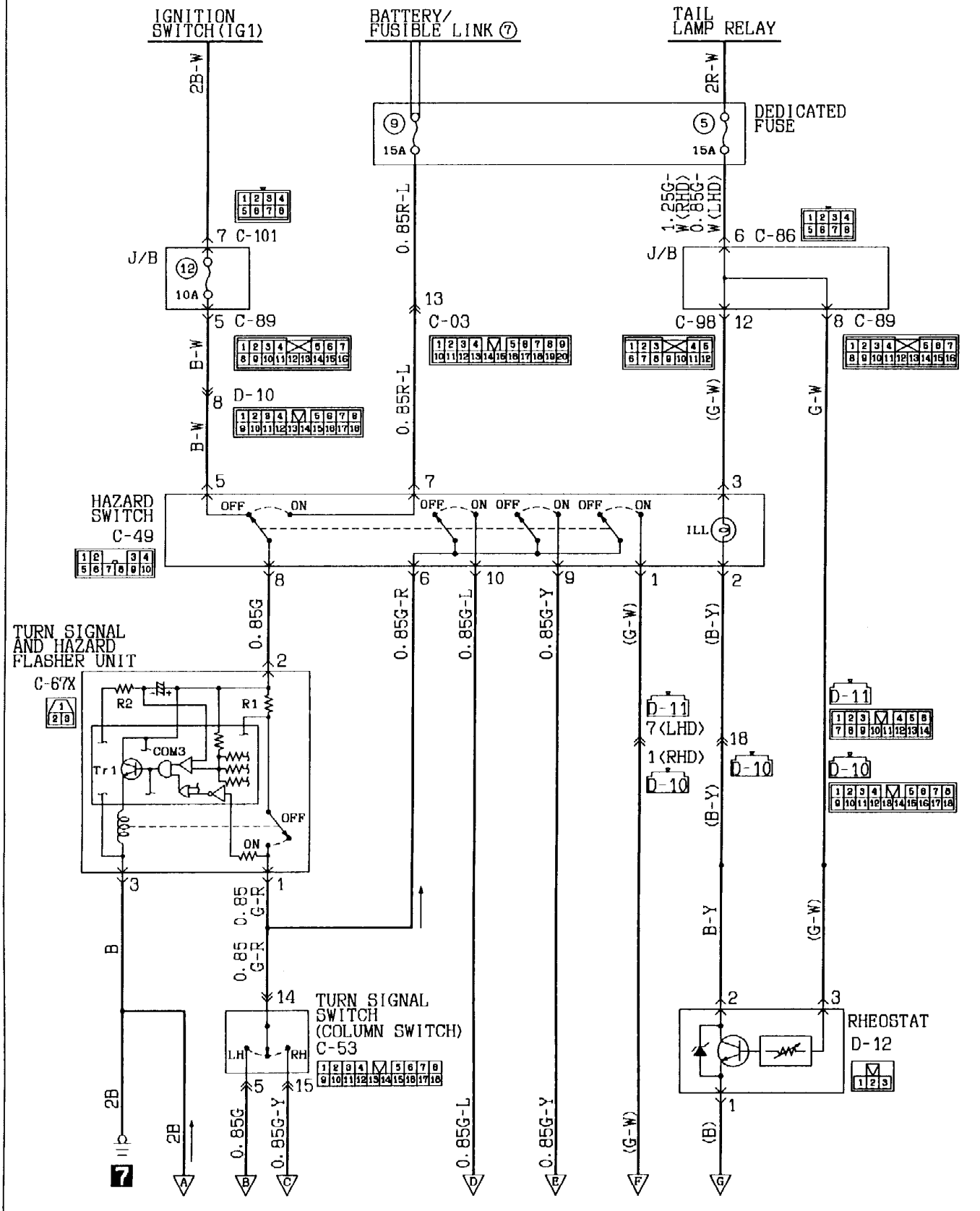


Wire colour code

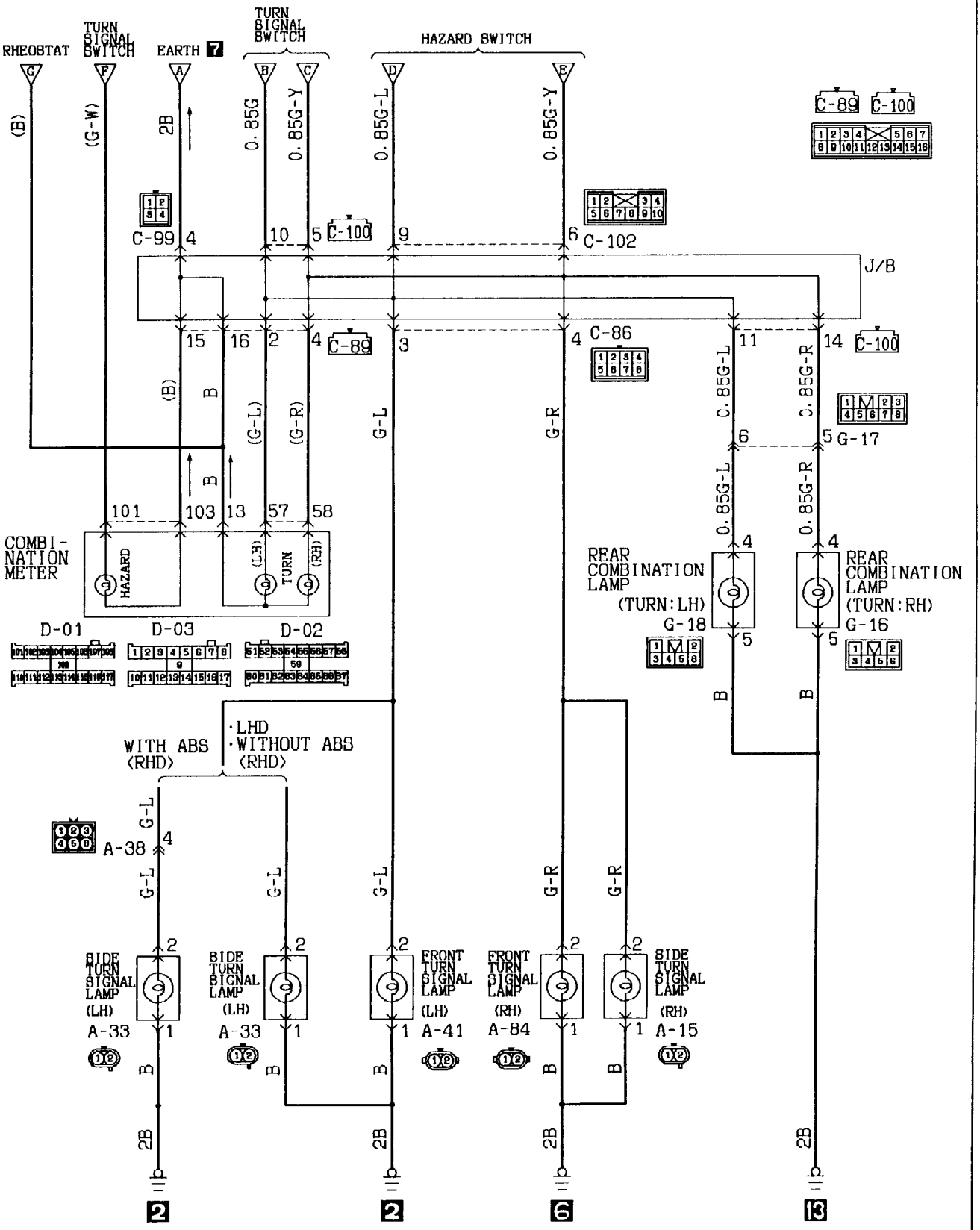
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

KX35-AC-J0816-EC

17 TURN-SIGNAL LAMP AND HAZARD LAMP CIRCUIT



KX35-AC-J0901-EC



Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

TURN-SIGNAL LAMP AND HAZARD LAMP CIRCUIT (See P. 4-104.)

OPERATION

<Turn-signal lamp>

1. In normal operating condition

- When the ignition switch is placed in the ON position, battery voltage is applied through the hazard switch to the turn-signal and hazard flasher unit.
- When the turn-signal switch is placed in the LH (or RH) position, Tr_1 in the flasher unit turns ON, causing the relay contacts in the flasher unit to close. This results in the LH (or RH) turn-signal lamp and turn-signal indicator lamp lighting up.
- At the same time, the capacitor is charged through R_2 up to the lower limit as set by COM3.
- As soon as the capacitor is fully charged, the output from COM3 is inverted, turning OFF Tr_1. This opens the relay contacts and, as a result, the LH (or RH) turn-signal lamp and turns-signal indicator lamp go out.
- At the same time when Tr_1 turns OFF, the capacitor starts discharging. As soon as the capacitor completes discharging, the COM3 output is inverted again causing Tr_1 to turn ON. This results in the LH (or RH) turn-signal lamp and turn-signal indicator lamp coming on.
- These sequences of operation repeat, which results in the LH (or RH) turn-signal lamp and turn-signal indicator lamp flashing off and on.

2. When one bulb is burnt

- When either one of the turn-signal lamp bulbs goes out, it causes the resistance of the entire lamp circuit to increase; hence a smaller voltage drop at R1 in the flasher unit.
- This smaller voltage drop is sensed and the lower voltage limit set by COM3 is raised, thus shortening the time required by the capacitor before it is fully charged.
- As a result, the on-off cycle of Tr_1 becomes shorter with the resultant greater number of times the lamp flashes on and off.

<Hazard lamp>

- When the hazard switch is placed in the ON position, the flasher unit relay contacts repeatedly close and open, which results in the RH and LH turn-signal lamps, turn-signal indicator lamps, and hazard warning indicator lamps flashing on and off at the same time.

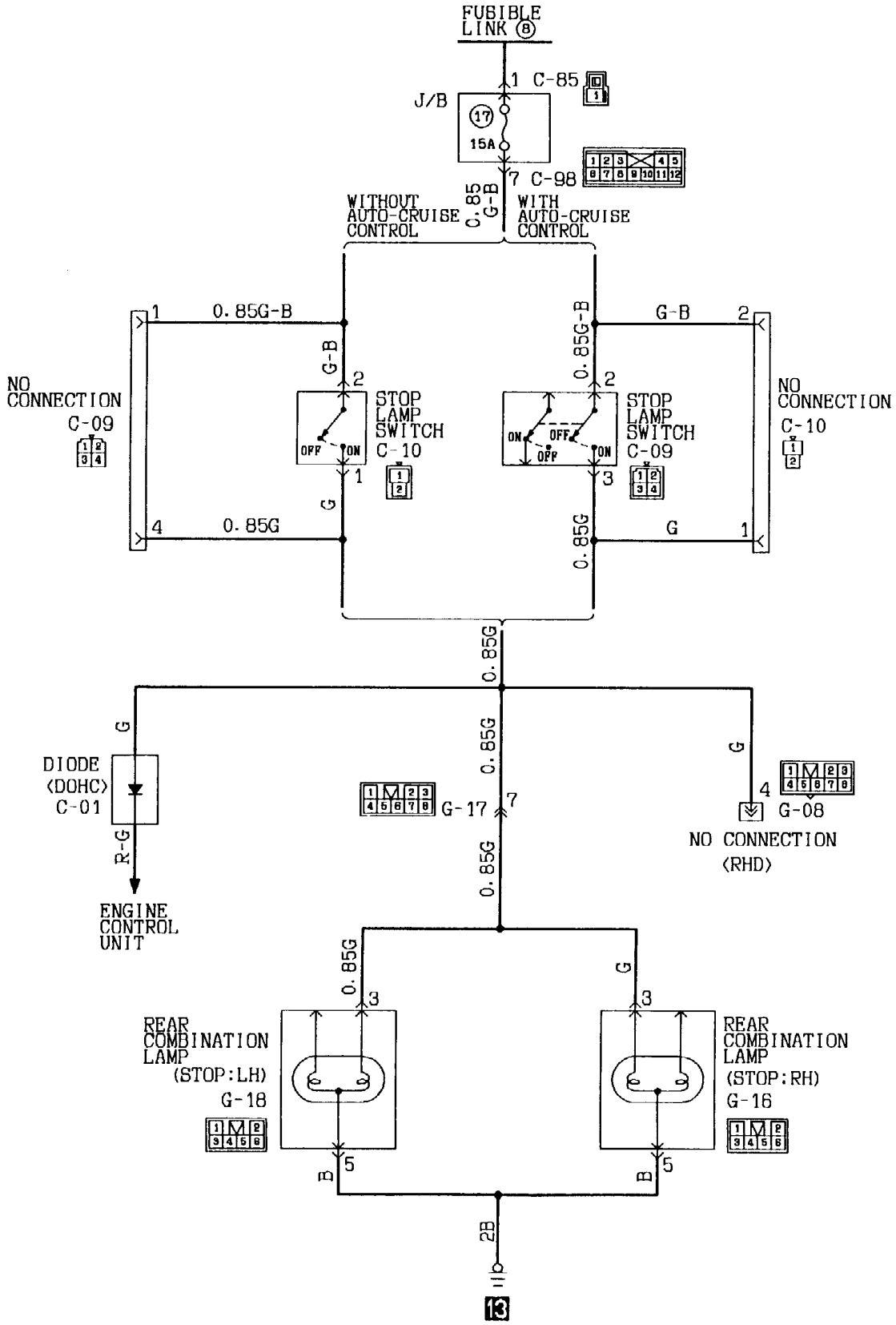
Remark

- The number of times the hazard lamps flash on and off does not change even when one bulb is out.

TROUBLESHOOTING HINTS

1. Neither the turn-signal lamps nor hazard lamps operate.
   - Check hazard switch contacts (on power source end).
   - Check flasher unit.
2. All LH or RH turn-signal lamps do not operate.
   1) Hazard lamp is fully operational.
      - Check turn-signal switch.
3. Flashing cycle of turn signal lamps is shorter.
   - Check the lamp bulb.
4. Hazard lamp does not operate.
   1) Turn-signal lamps are operational.
      - Check hazard switch contacts (on hazard lamp end).

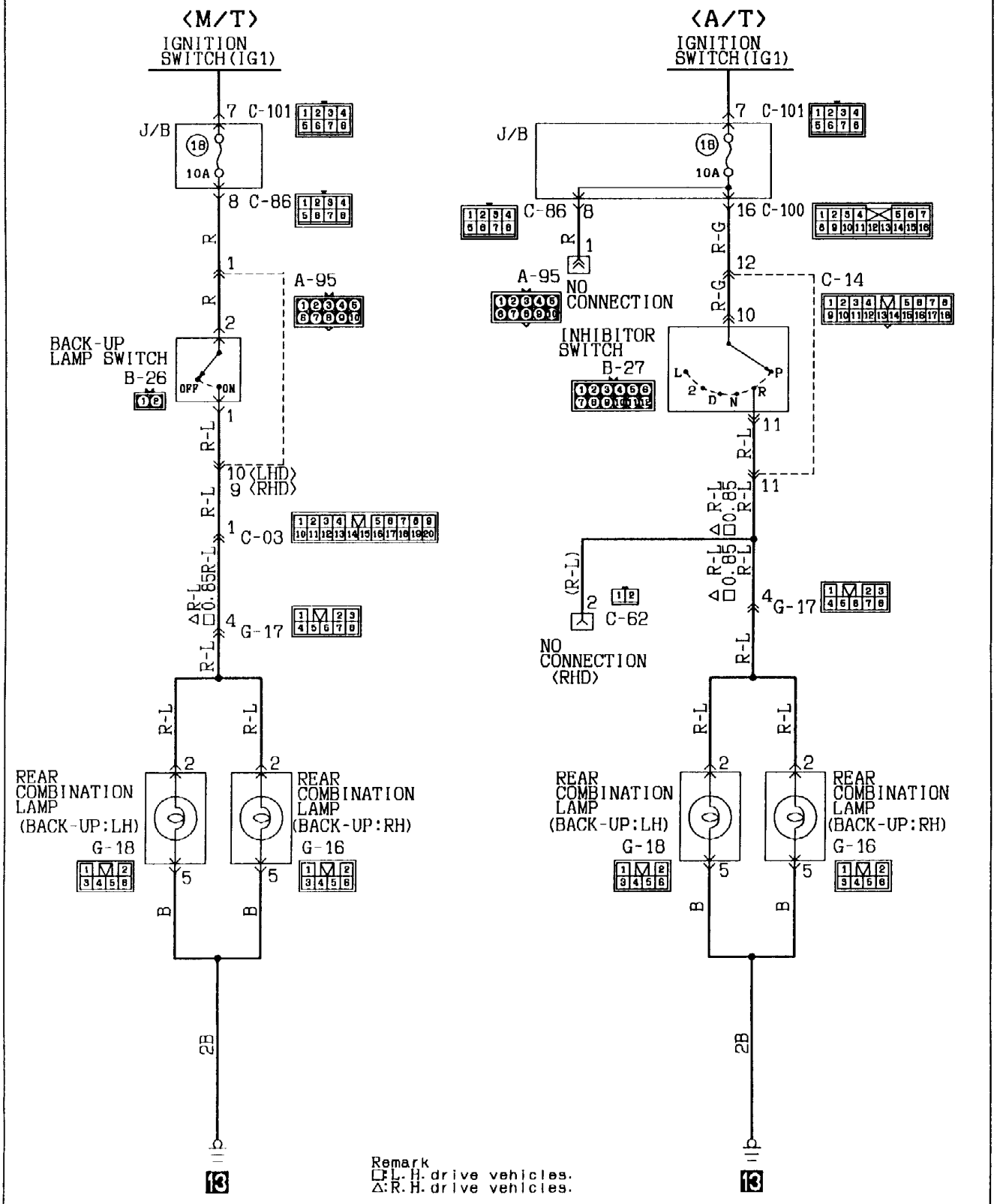
18 STOP LAMP CIRCUIT



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J0902-EC

19 BACK-UP LAMP CIRCUIT

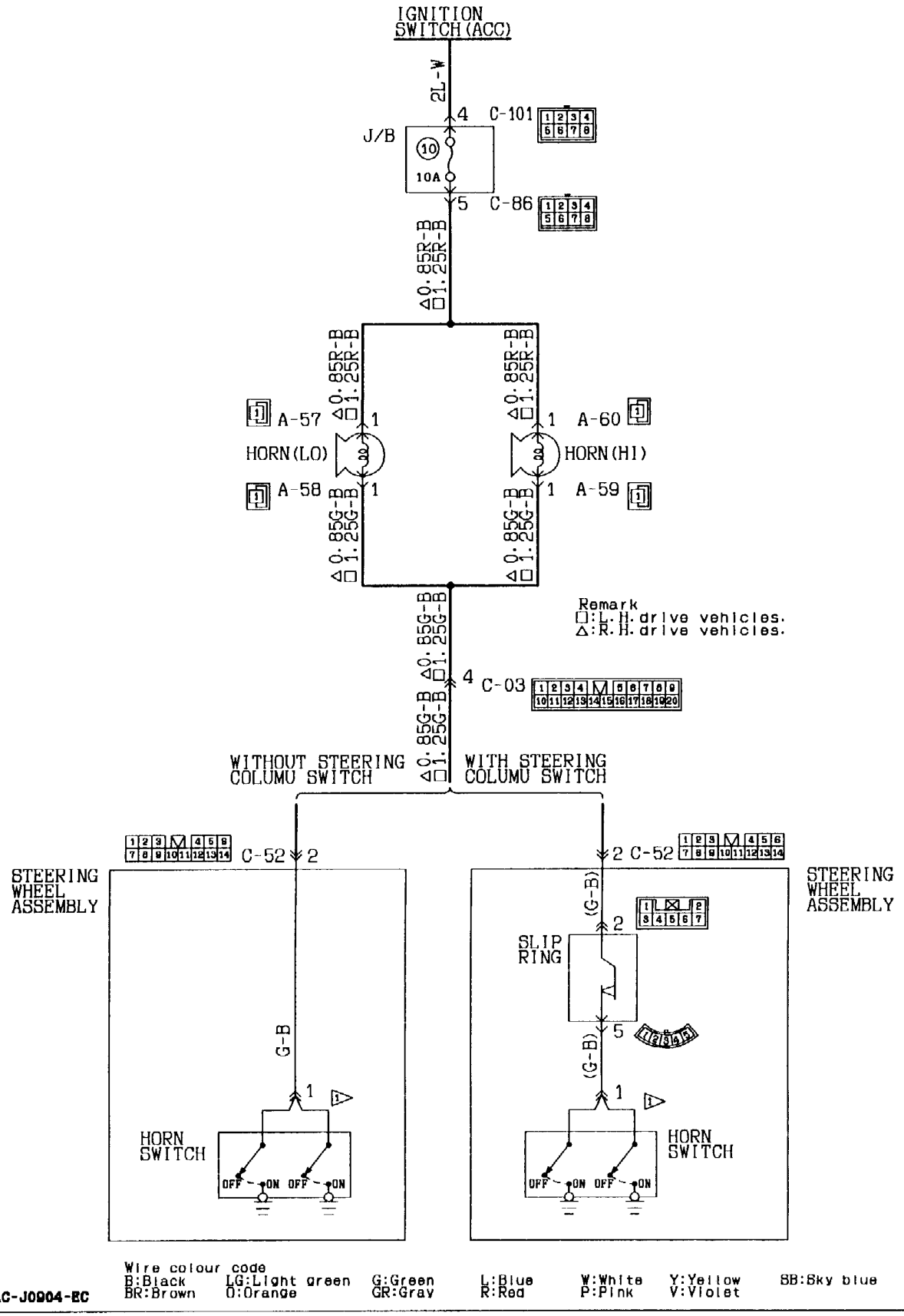


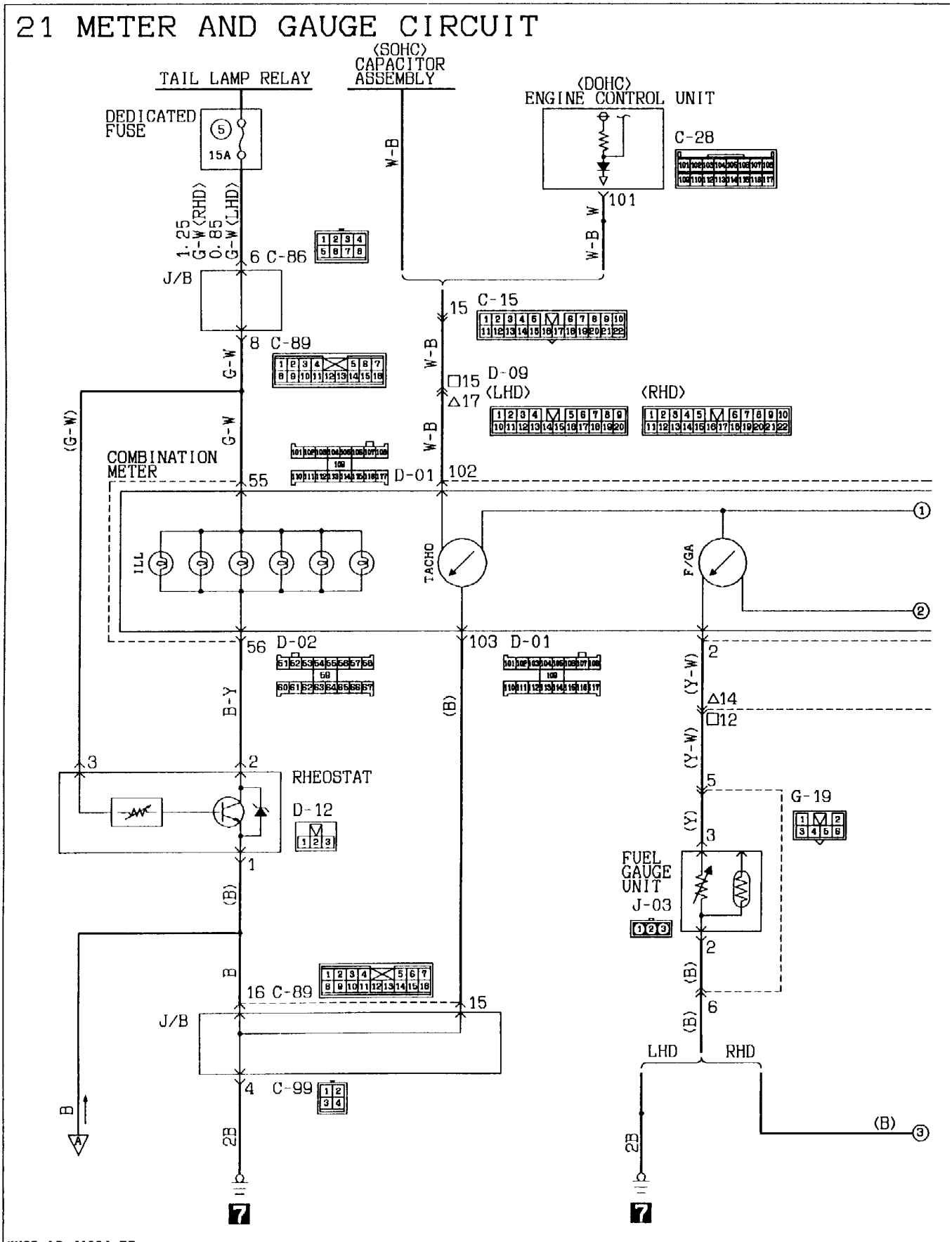
Remark
□:L. H. drive vehicles.
△:R. H. drive vehicles.

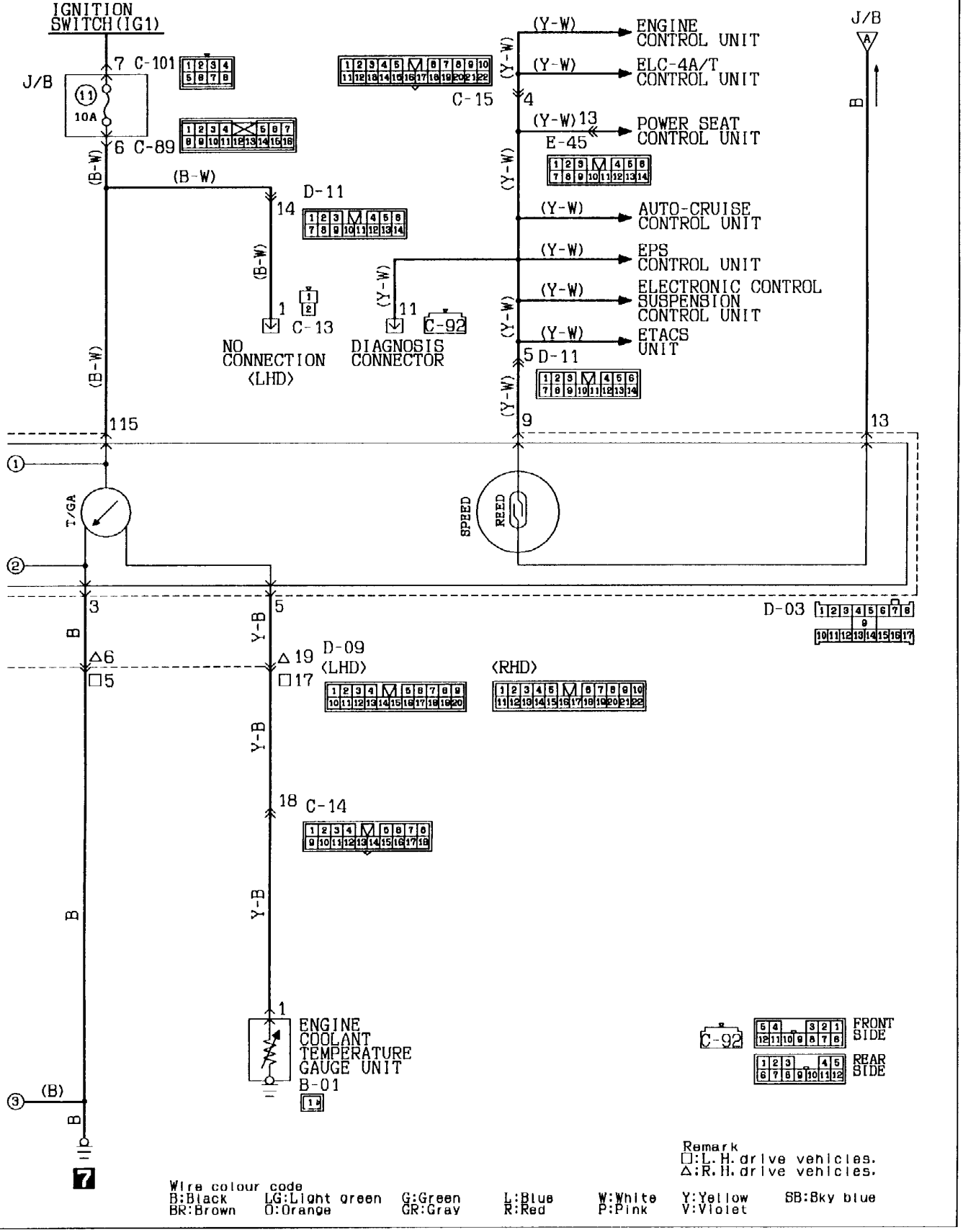
Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J0903-EC

20 HORN CIRCUIT







METER AND GAUGE CIRCUIT (See P. 4-110.)

OPERATION

<Fuel gauge>

- When the ignition switch is at the "ON" position, the fuel gauge is activated.
- When there is much fuel, the unit's resistance is small and the current flowing in the circuit is great, so the gauge's indicator indicates in the "F" area.
- When there is little fuel, 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.

Remark

- Since the fuel gauge is a needle holding type, the reading of the needle will be kept as it is even if the ignition switch is turned off.

<Engine coolant temperature gauge>

- When the ignition switch 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 there is a great, flow of current in the circuit, so the gauge's indicator indicates in the "H" area.
- When the engine coolant temperature is low, the unit's resistance is high and there is a small flow of current in the circuit, so the gauge's indicator indicates in the "C" area.

<Reed switch>

- This switch generates pulses according to the current vehicle speed and provides a vehicle-speed signal for the control systems using vehicle speeds as an input source (such as transmission control system).

TROUBLESHOOTING HINTS

1. Fuel gauge does not operate, or registers incorrectly.
   1) The fuel gauge indicates "F" when the fuel gauge unit connector is disconnected and the "3" terminal is earthed.
      - Check fuel gauge.
2. Engine coolant temperature gauge does not operate, or registers incorrectly.
   1) When the engine coolant temperature gauge is earthed with its connector unplugged, it registers "H".
      - Check engine coolant temperature gauge unit.
3. Vehicle-speed-dependent control system do not operate.
   - Check reed switch of speedometer.
4. Meter illumination lamp does not go on.
   1) Tail lamps go on.
      - Check rheostat.

WARNING LAMP CIRCUIT (See P. 4-114, 118.)

OPERATION

<Brake warning lamp>

- When the brake fluid level goes down below a predetermined level or parking brake lever is pulled, with the ignition switch in the ON position, the brake fluid level sensor is activated or the parking brake switch is turned ON, causing the brake warning lamp to light up.

<Low fuel warning lamp>

- When the fuel level goes down causing the level sensor to be exposed, with the ignition switch in the ON position, the resistance of level sensor becomes small. When this resistance goes down below the predetermined level, the low fuel warning lamp lights up to warn the driver that the amount of fuel still available for use is small.

<Oil pressure warning lamp>

- When the lubrication system fails after engine starting, resulting in the oil pressure failing to build up, the oil pressure switch turns ON causing the oil pressure warning lamp to light up.

<Low washer fluid warning lamp>

- If the headlamp washer fluid or windshield washer fluid is below the specified level when the ignition switch is in the "ON" position, the washer fluid level sensor will be turned on to light the low washer fluid warning lamp.

<Low engine oil warning lamp>

- When the ignition switch is turned to the "ON" position (in the state where the engine is stopped), electric current will flow to terminal "L" of the alternator through the multi-purpose fuse No. ⑪, low engine oil warning lamp and engine oil level relay and the low engine oil warning lamp will also light up.
- When the engine starts, the charging voltage will be applied to the terminal "L" of the alternator. Therefore, the low engine oil warning lamp will go out.
- When the engine oil temperature rises to approx. 55°C (131°F), the engine oil level sensor (TEMP) provided in the oil pan will be turned off.
- When the engine oil amount in the oil pan drops below the set level in this state, the engine oil level sensor (LEVEL) will be turned off to apply the voltage to the delay circuit.
- If the "OFF" state continues for approx. 20 seconds or more, the power transistor will be turned on to light the low engine oil warning lamp to indicate a shortage of engine oil.

Remark
The delay circuit is provided to prevent the low engine oil warning lamp from going on even if the engine oil level sensor is temporarily turned off due to cornering or other running conditions of the vehicle.

<Charge warning lamp>

- See CHARGING CIRCUIT (P. 4-22.)

<Check engine warning lamp>

- See the Service Adjustment Procedure, in Group 11 of the separate WORKSHOP MANUAL (Pub. No. PWGE9004)

<ABS warning lamp>

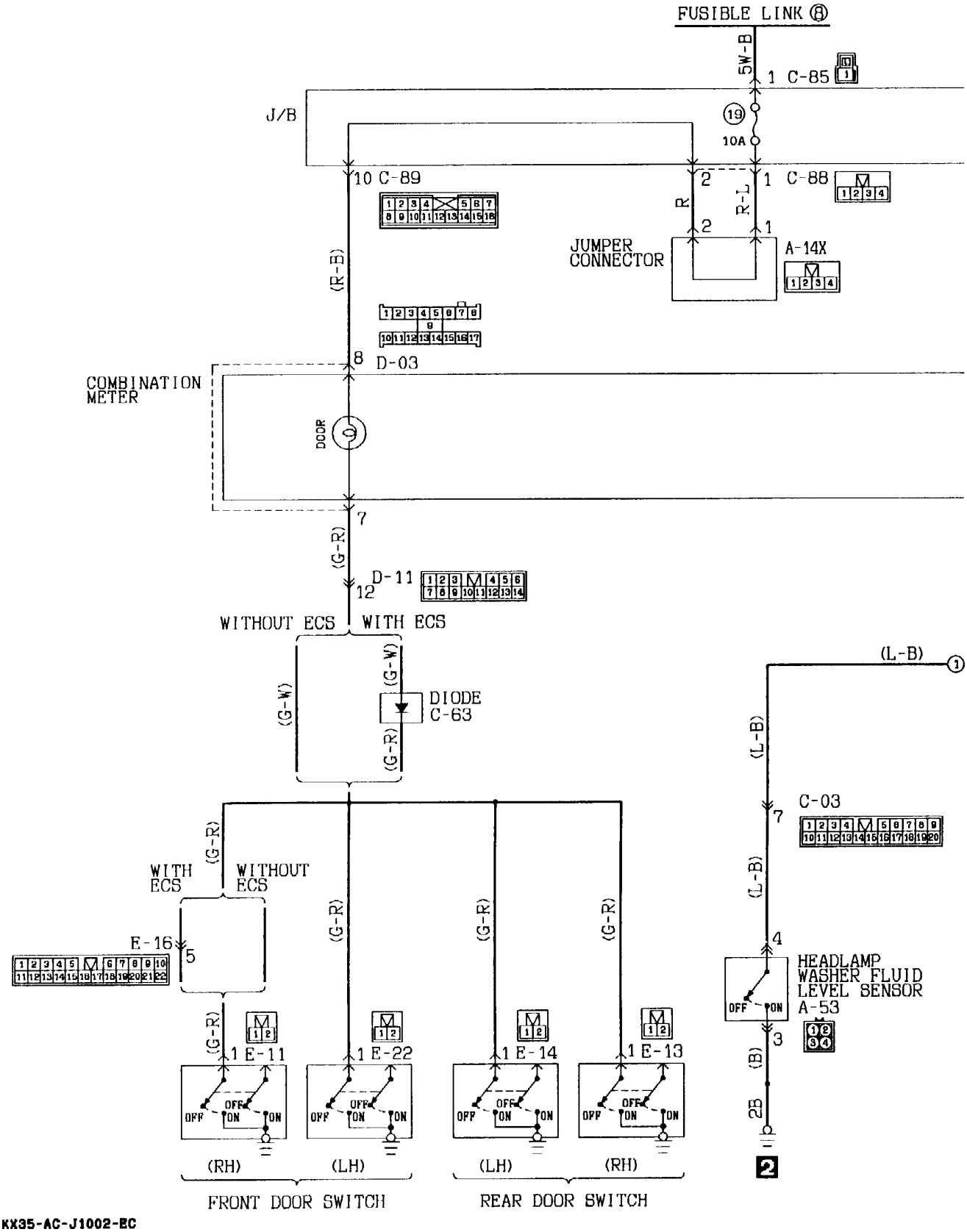
- See the Troubleshooting of Anti-skid Brake in Group 35 of the separate WORKSHOP MANUAL (Pub No. PWGE9004)

<4WS fluid level warning lamp>

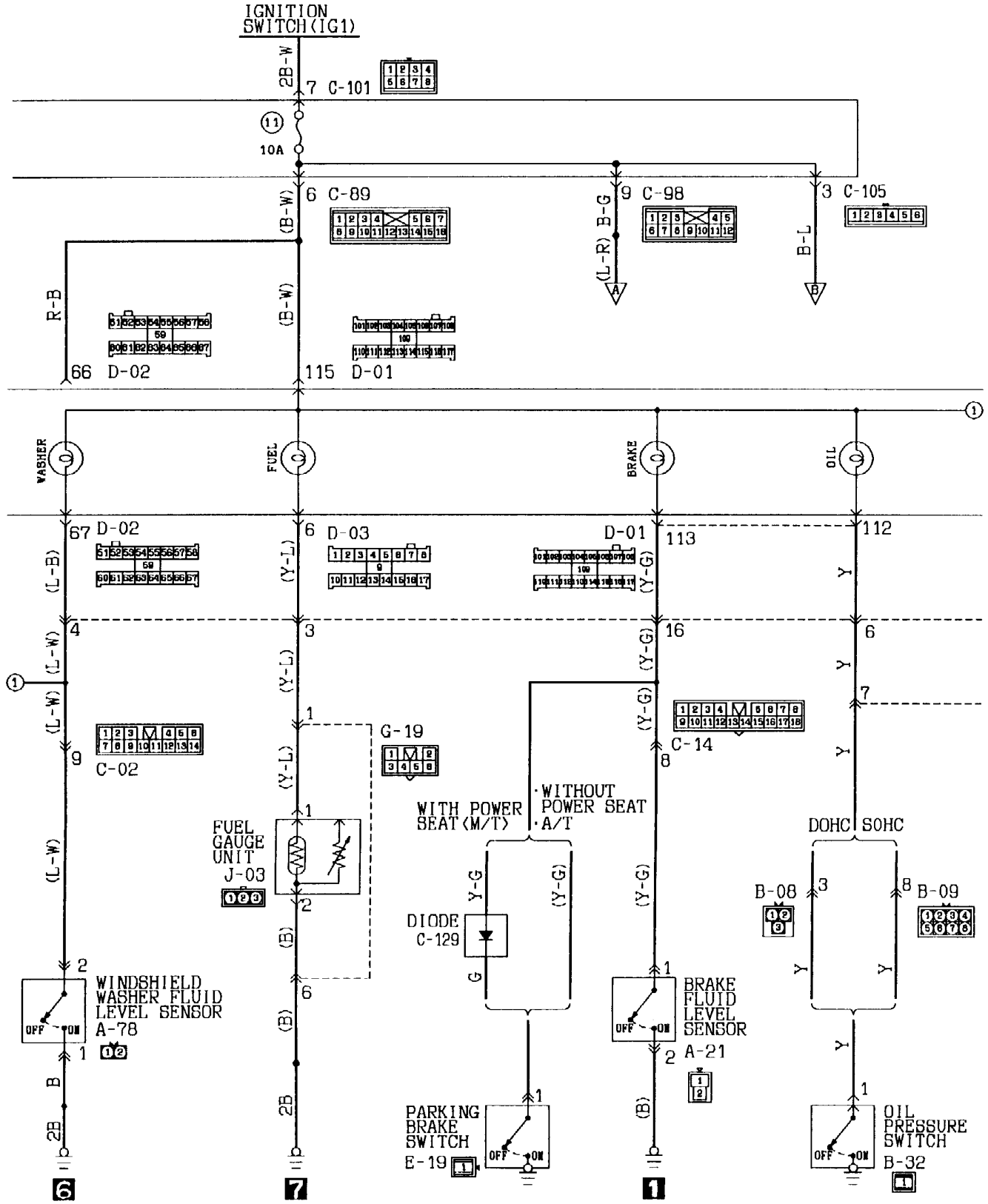
- When, with the ignition switch at the ON position, the amount of 4WS fluid becomes less than the specified amount, the 4WS fluid level sensor is switched ON and the warning lamp illuminates.

22 WARNING LAMP CIRCUIT

22-1 L.H. drive vehicles



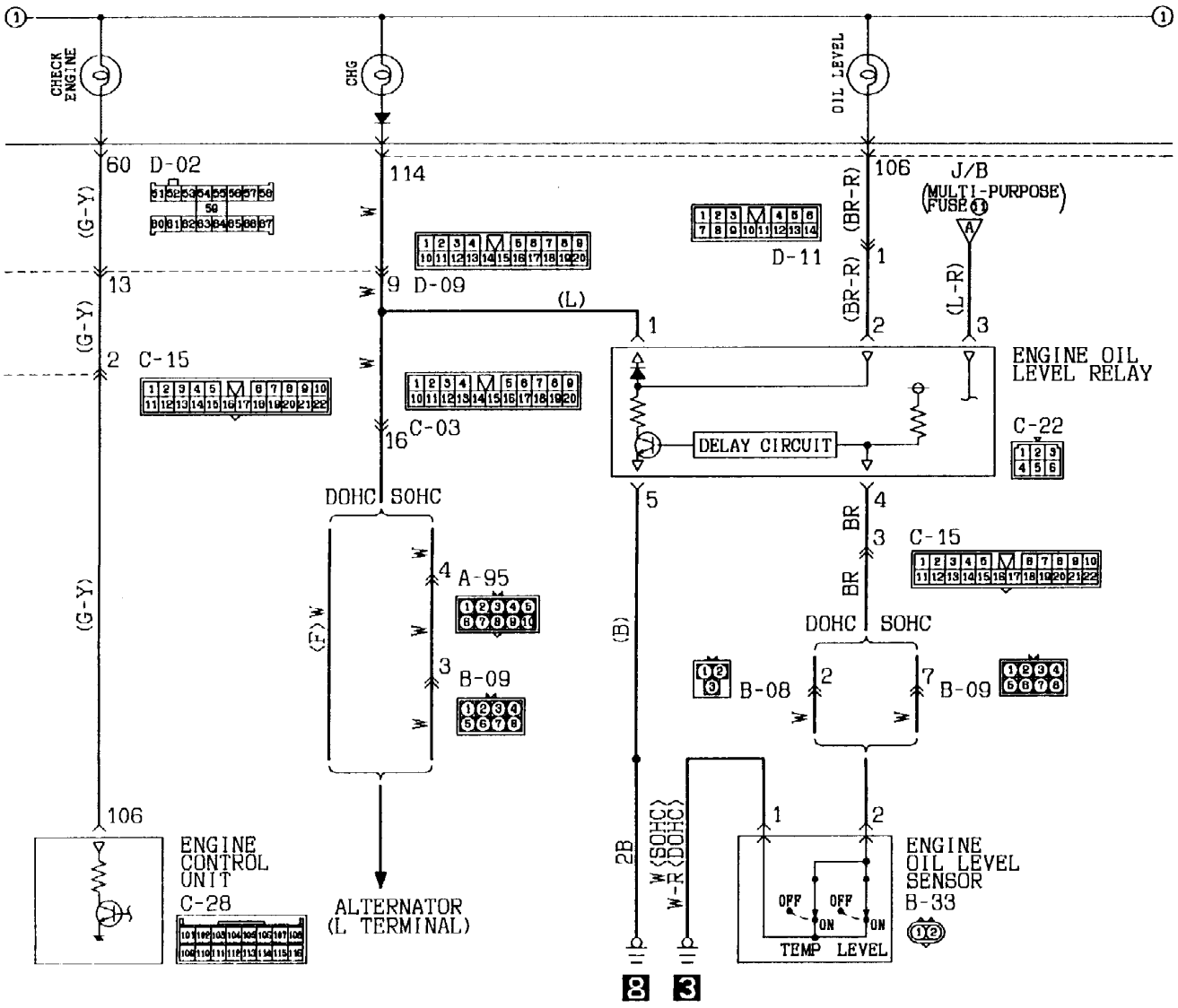
KX35-AC-J1002-EC



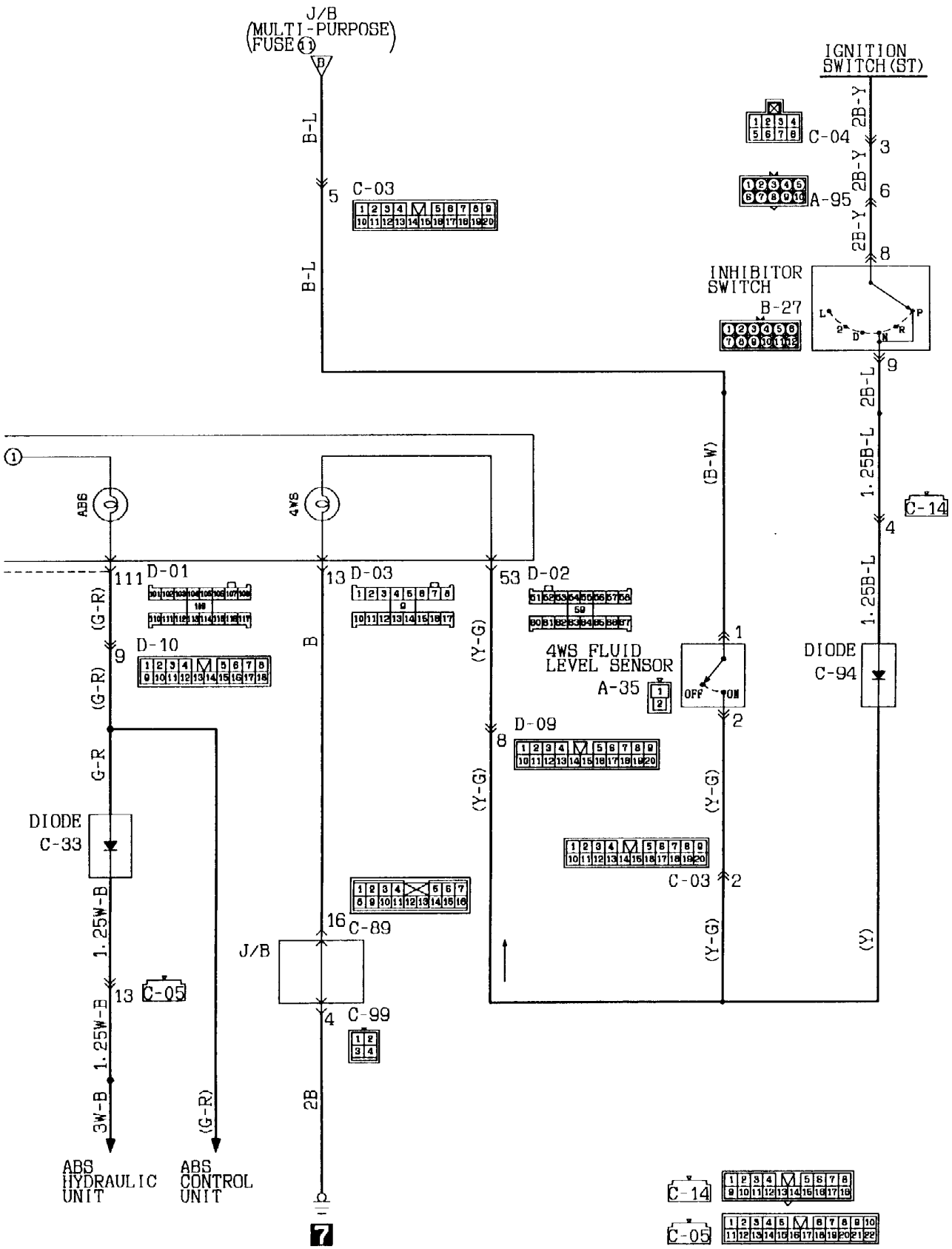
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

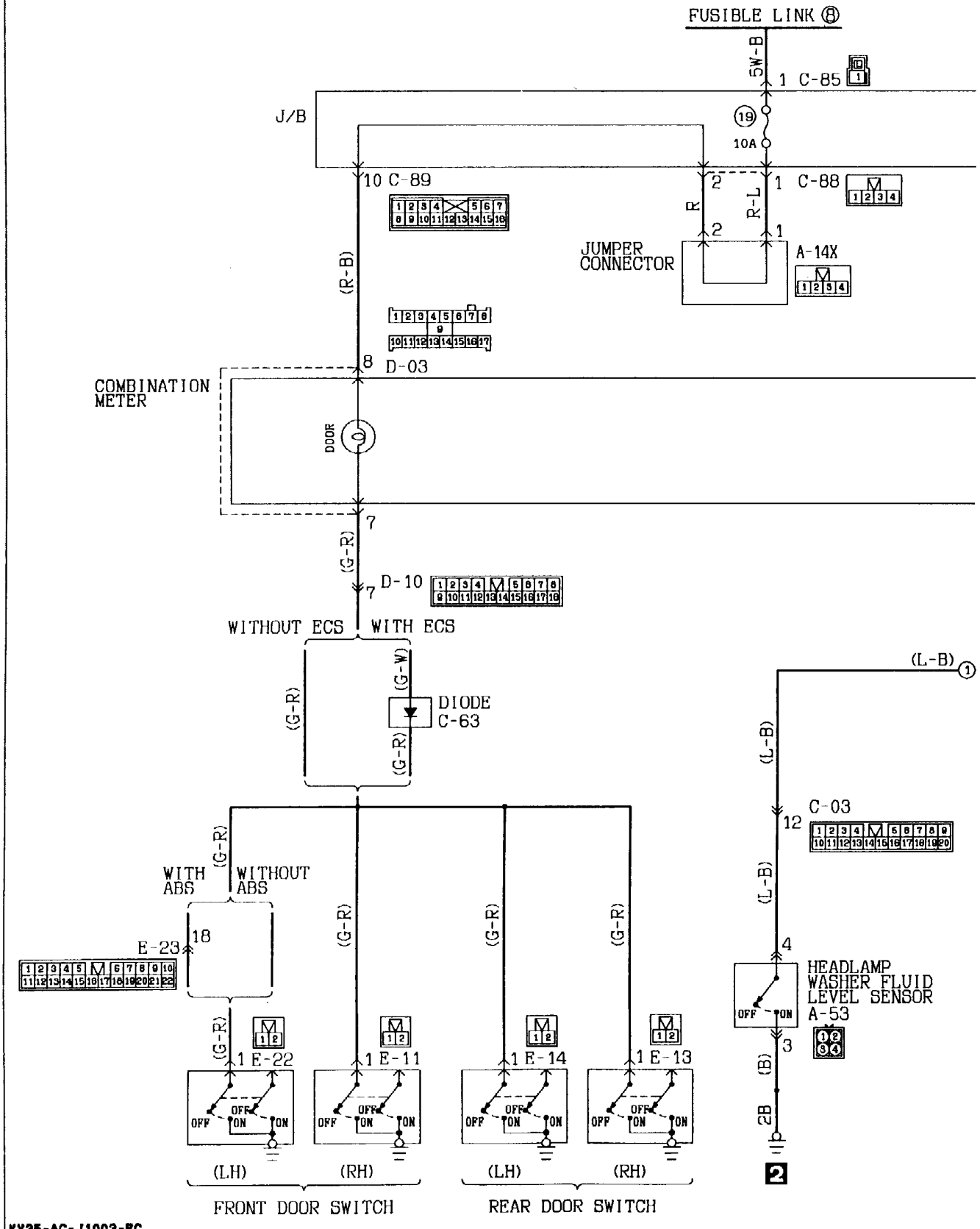
COMBINATION METER



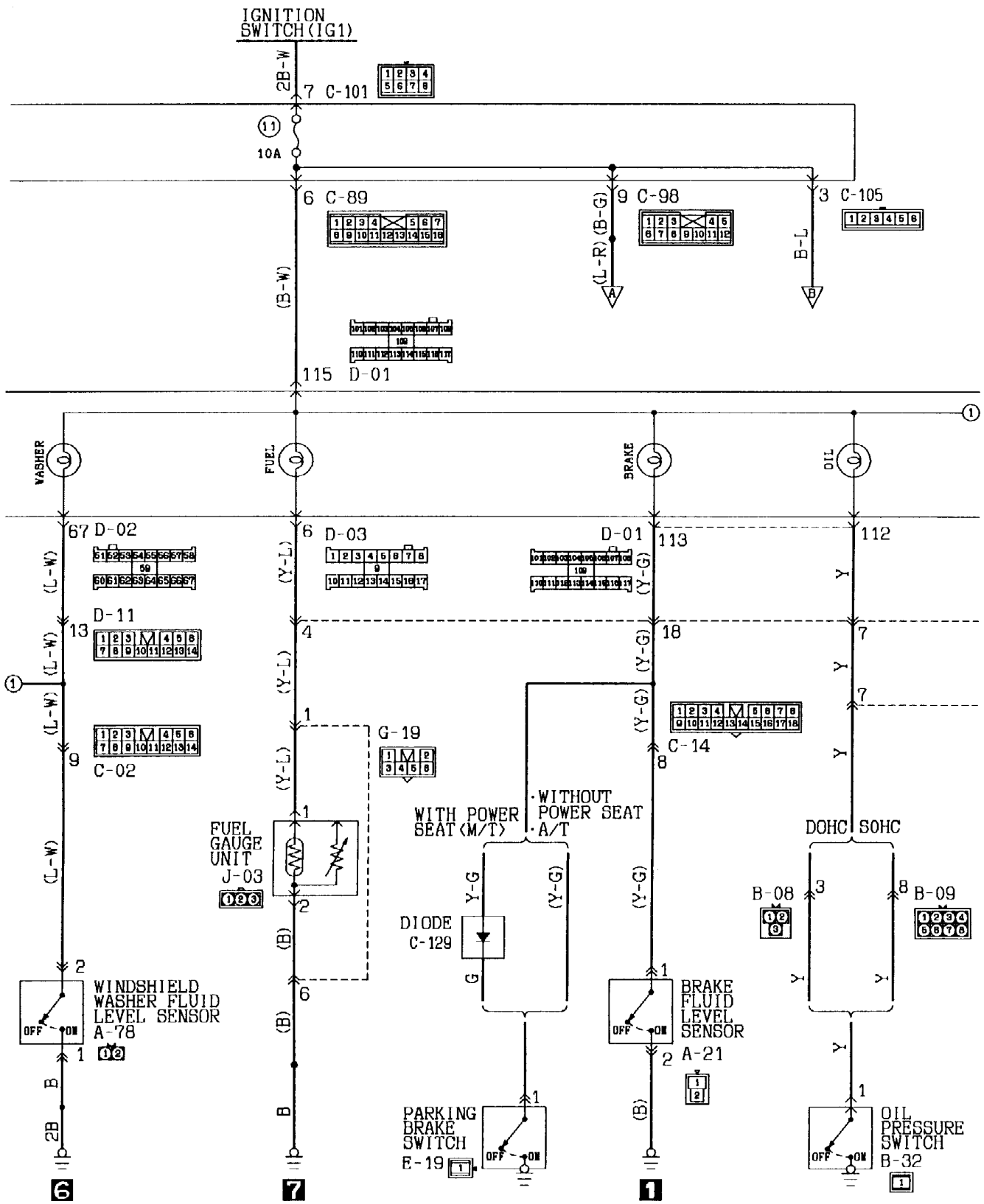
KX35-AC-J1002A-EC



22-2 R.H. drive vehicles

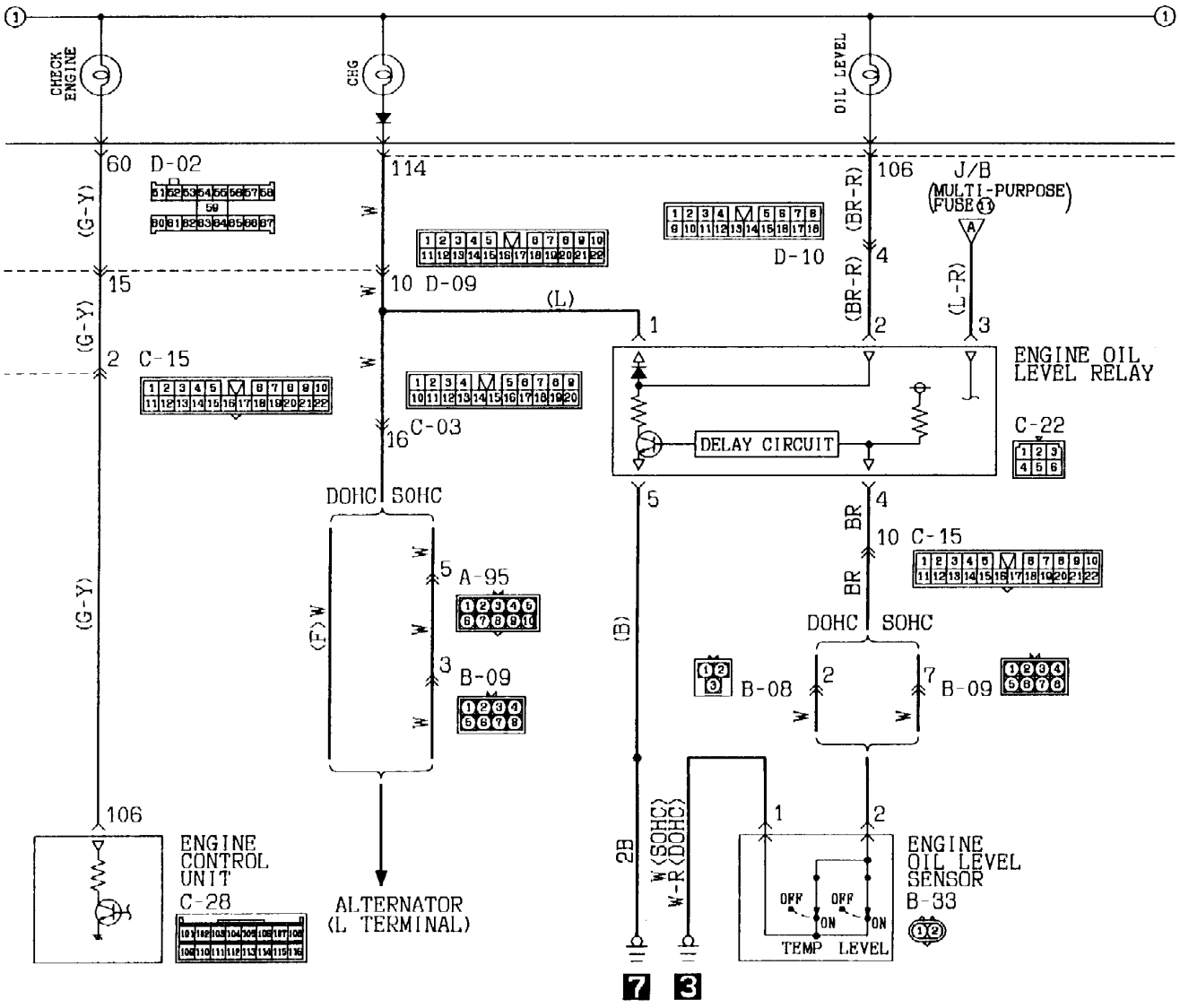


KX35-AC-J1003-EC

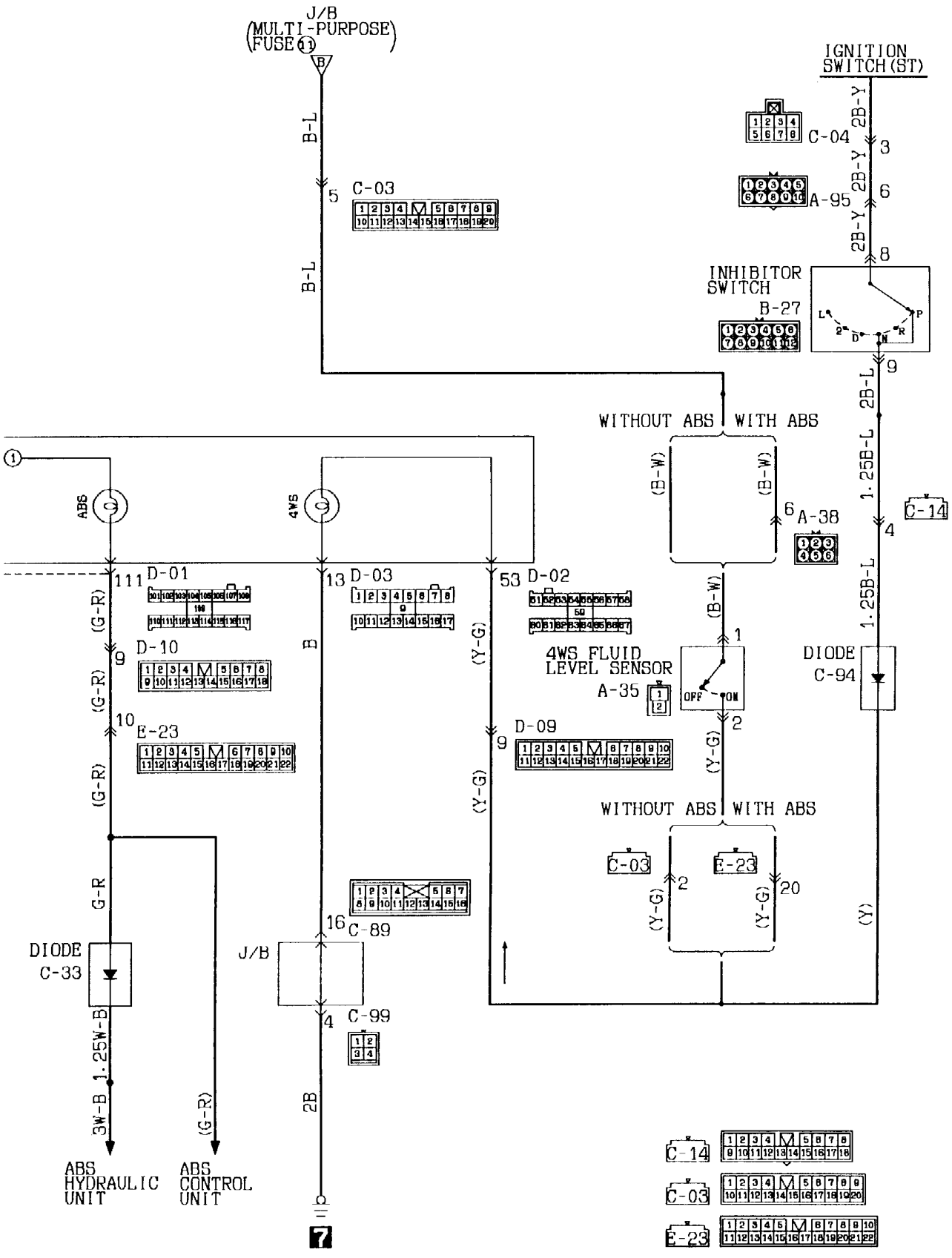


Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

COMBINATION METER



KX35-AC-J1003A-EC

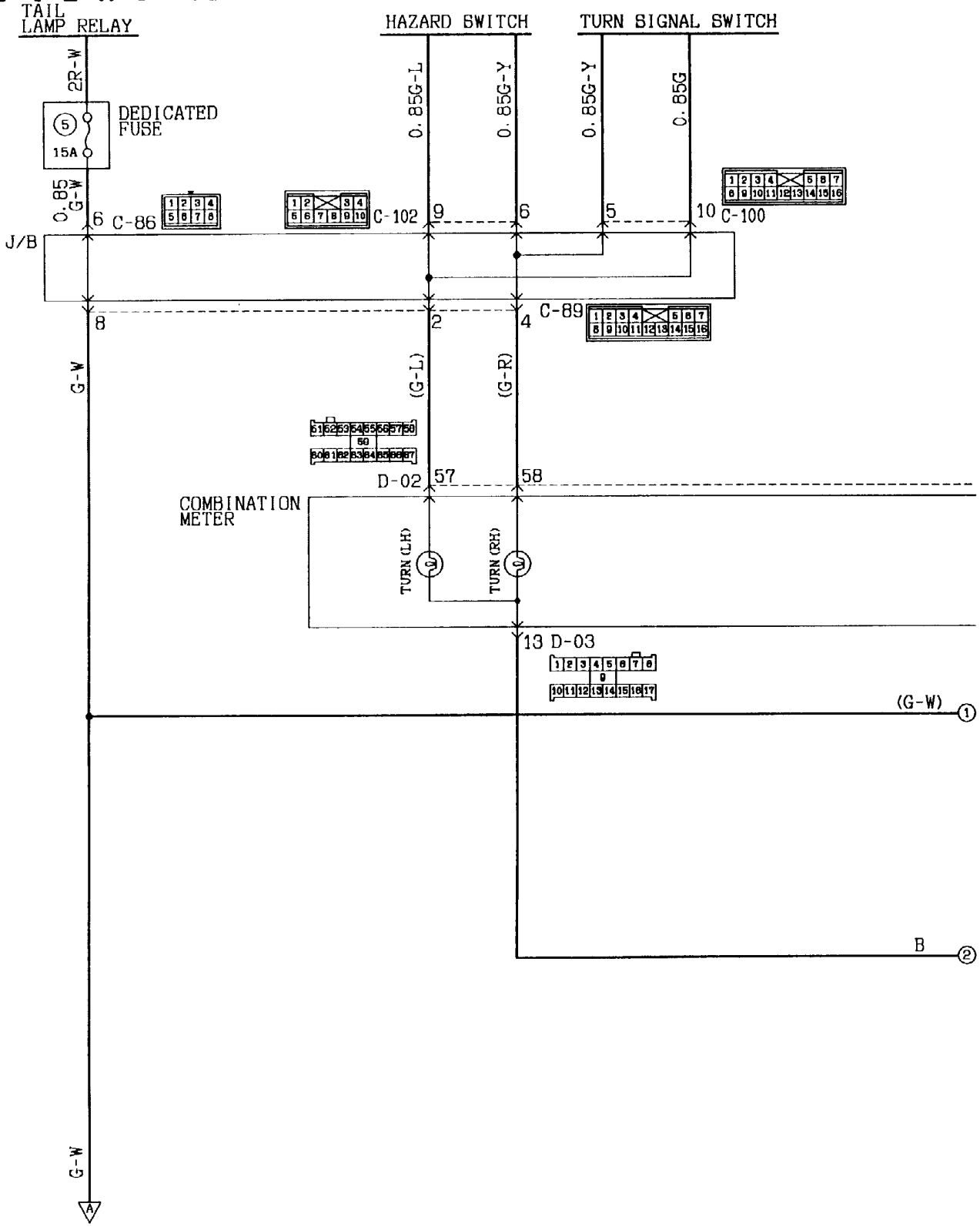


Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

23 INDICATOR LAMP CIRCUIT

23-1 L.H. drive vehicles



Wire colour code
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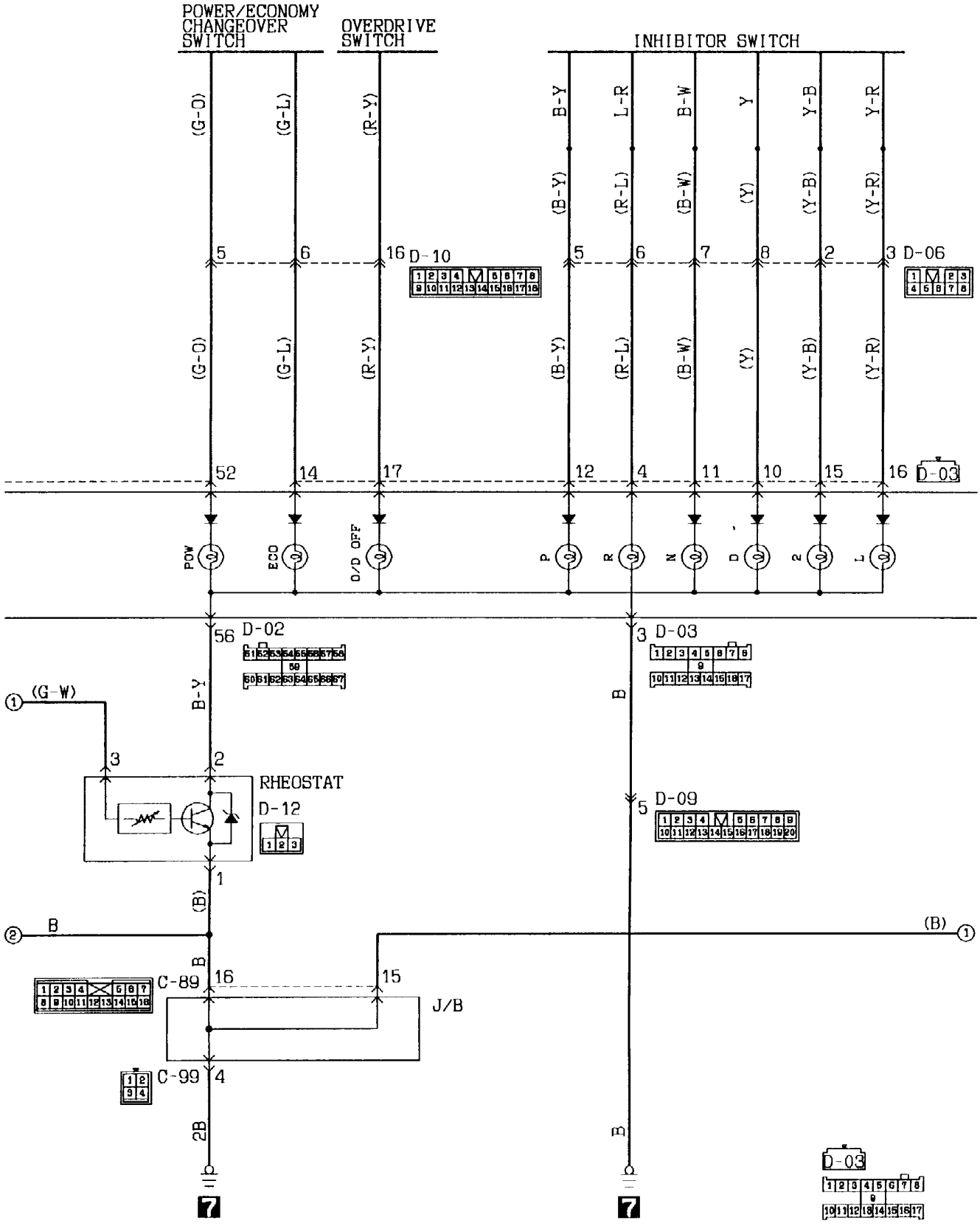
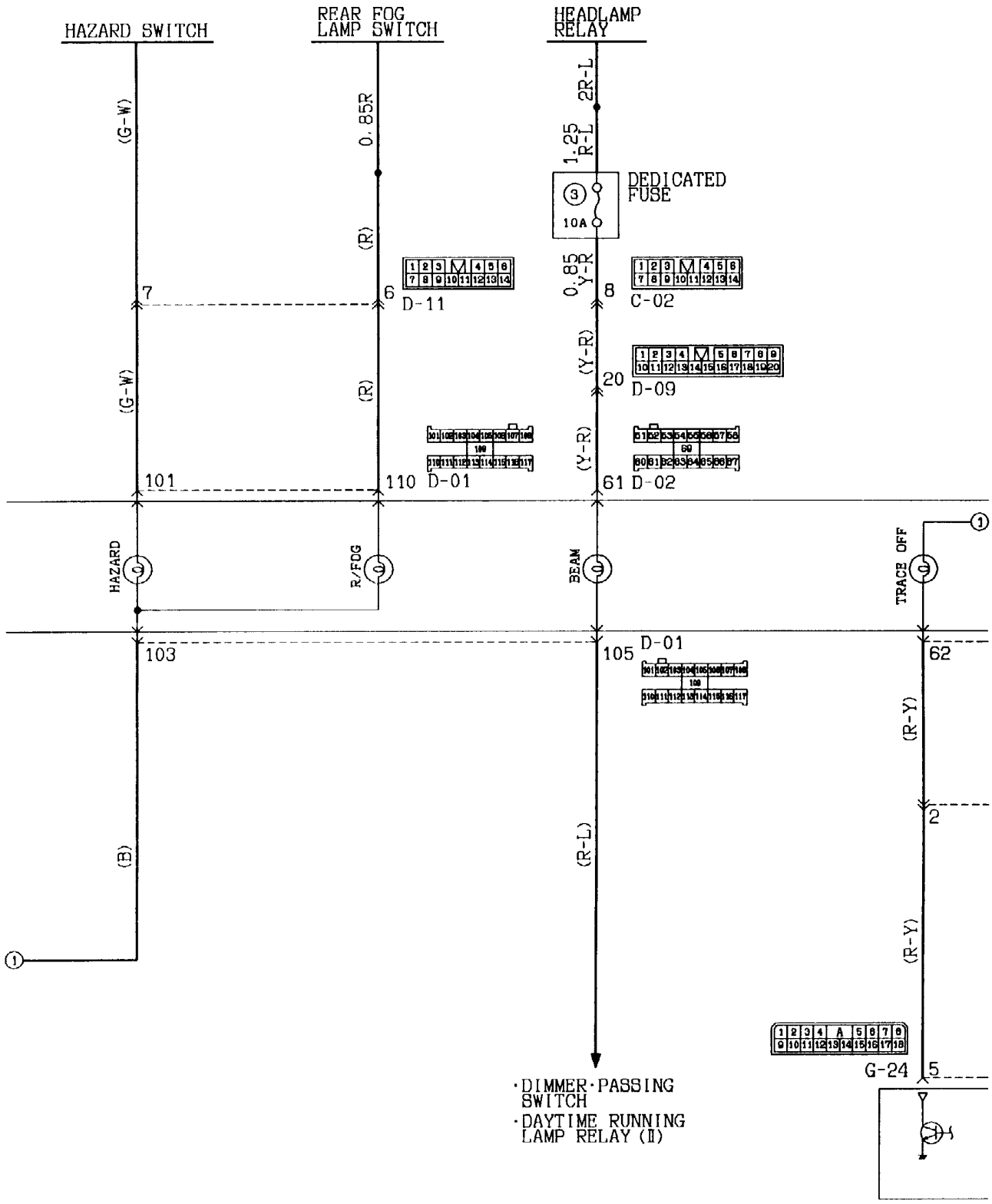
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J1004-EC

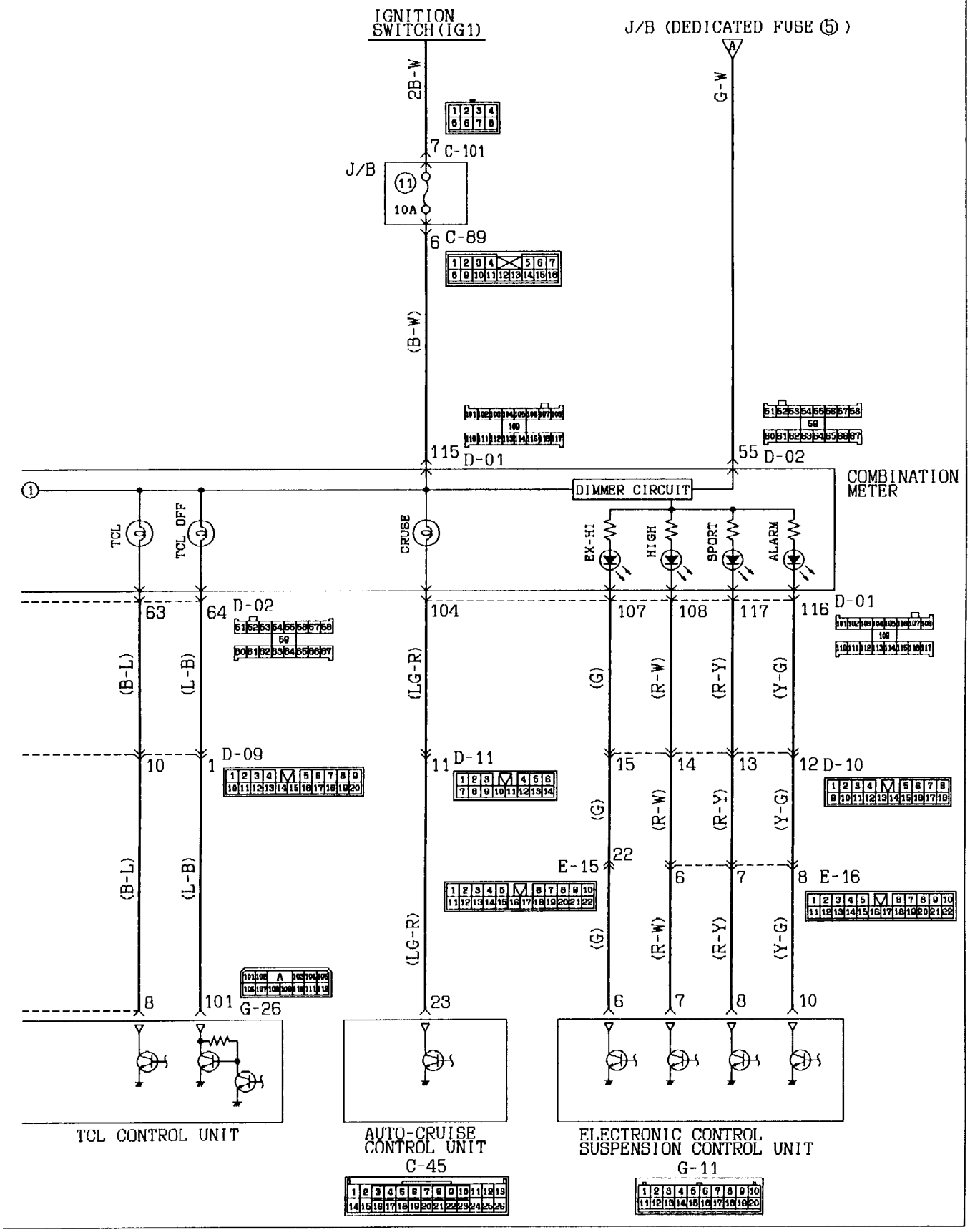


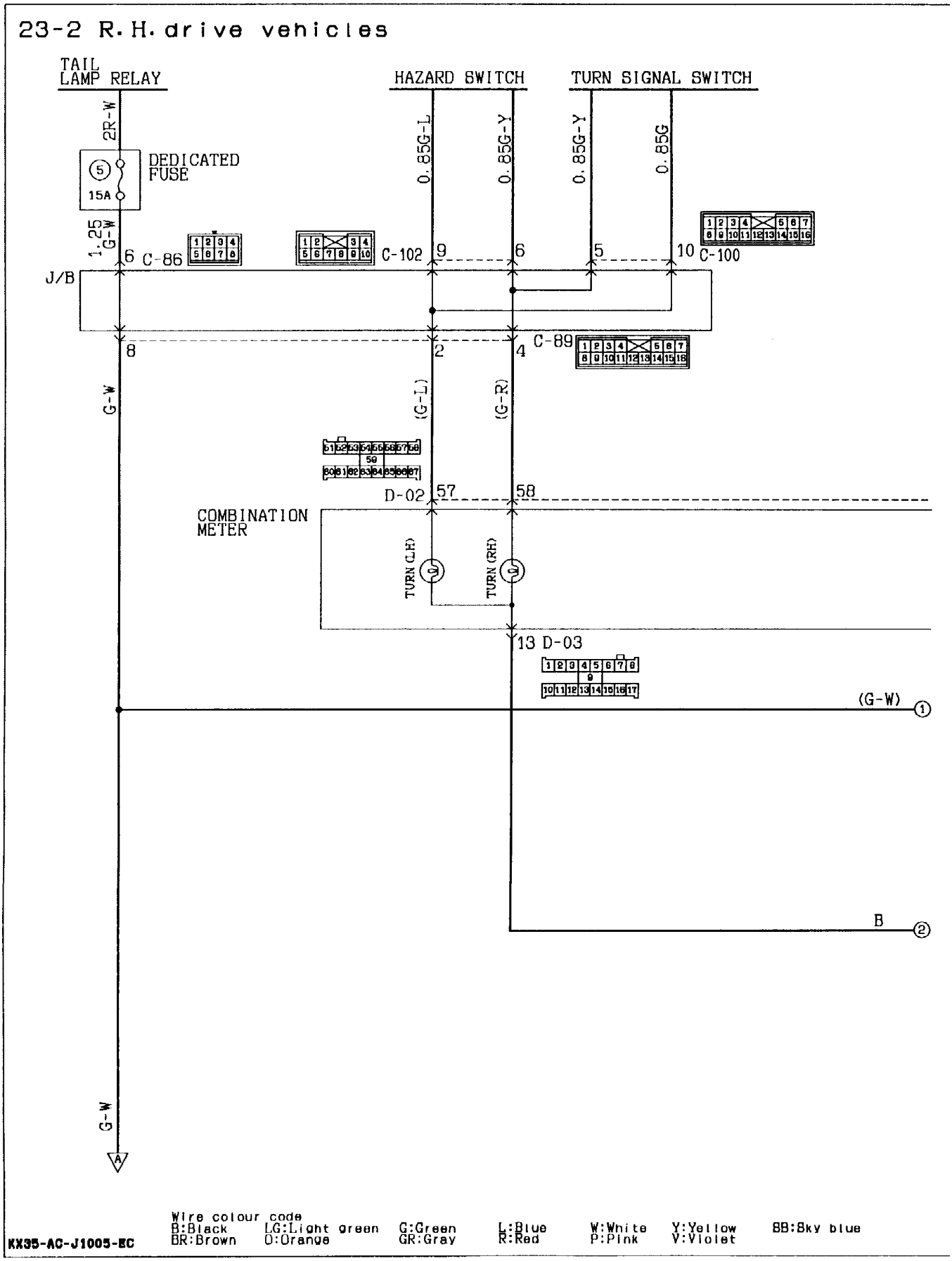


Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

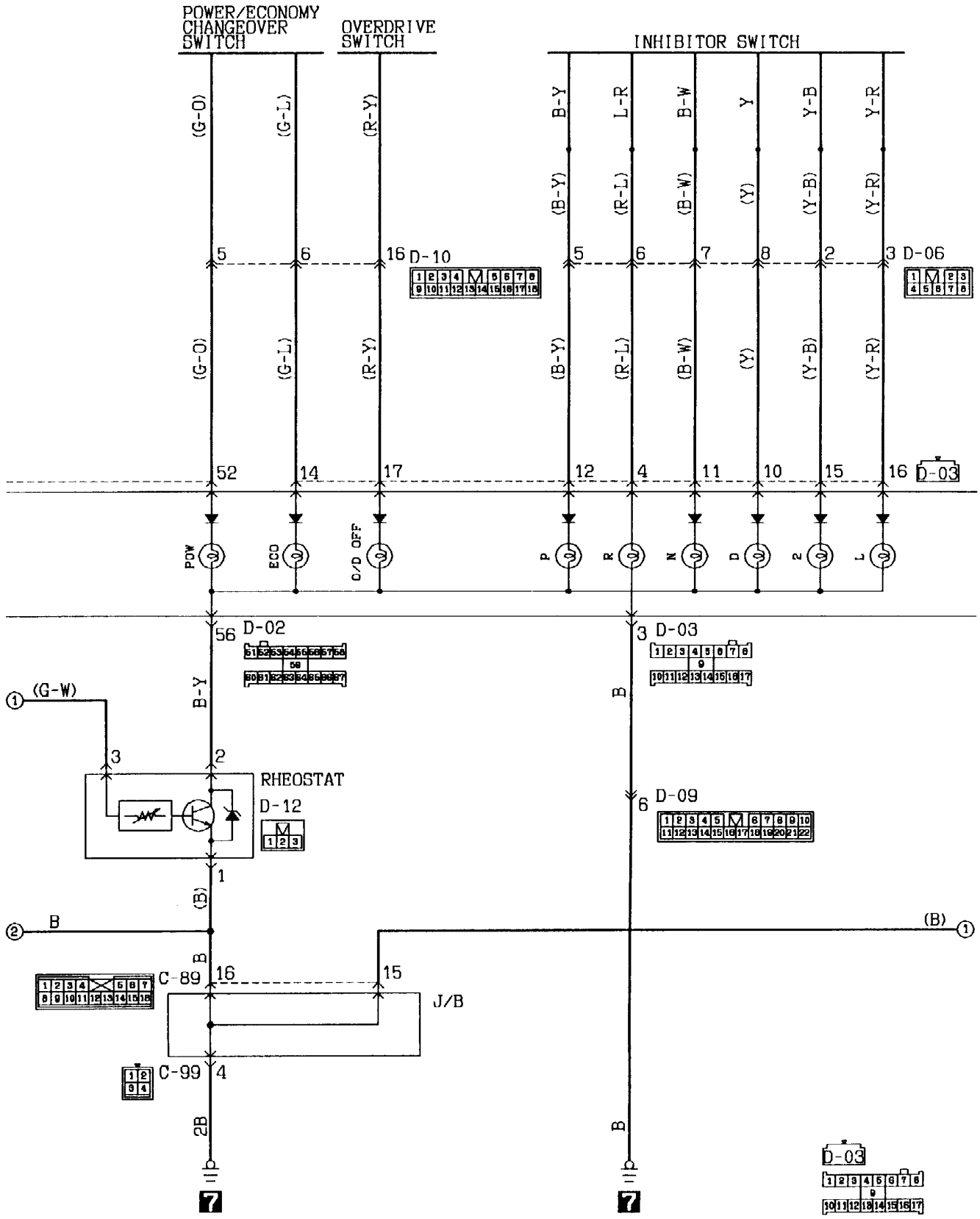
KX35-AC-J1004A-EC

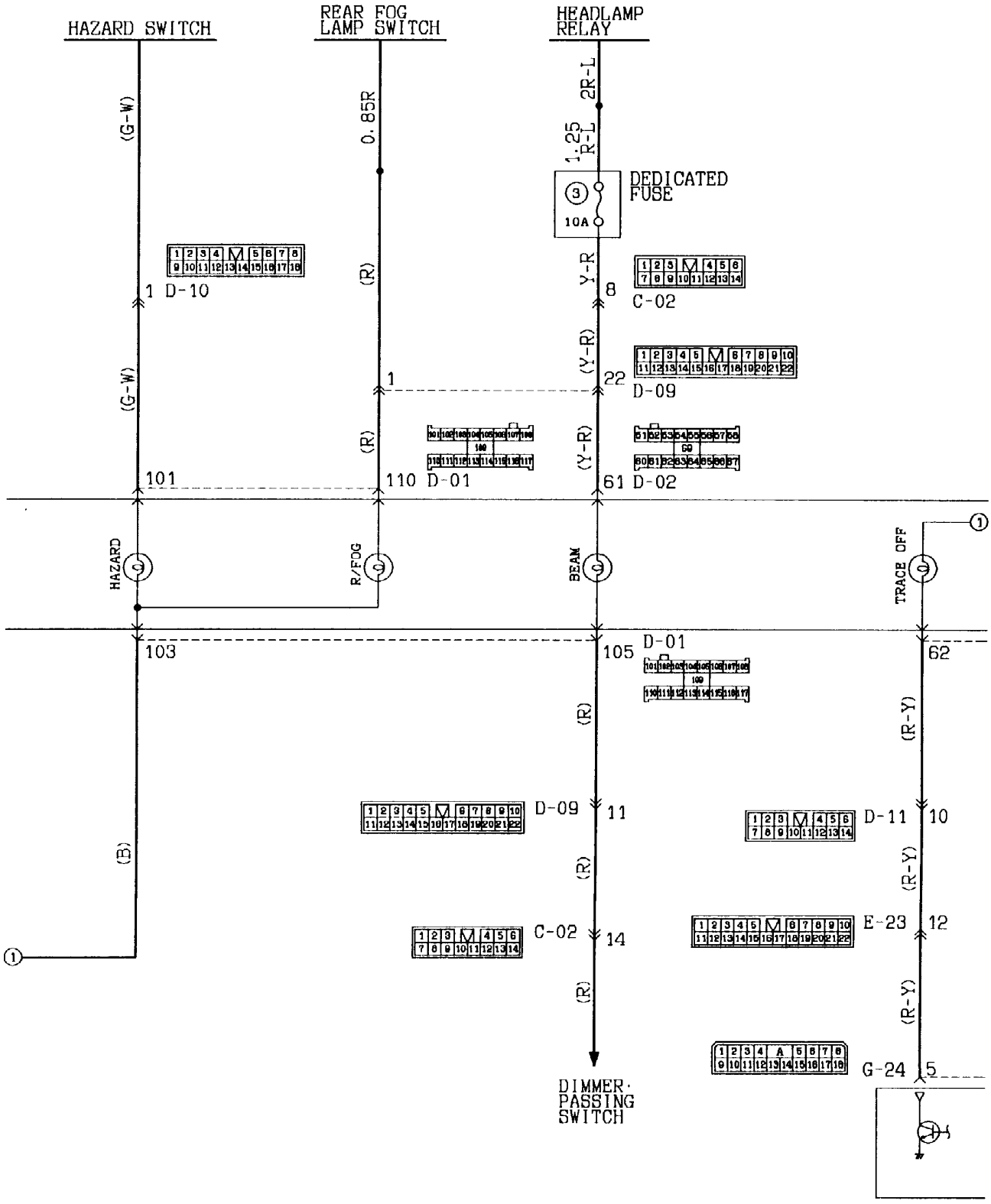




Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J1005-EC

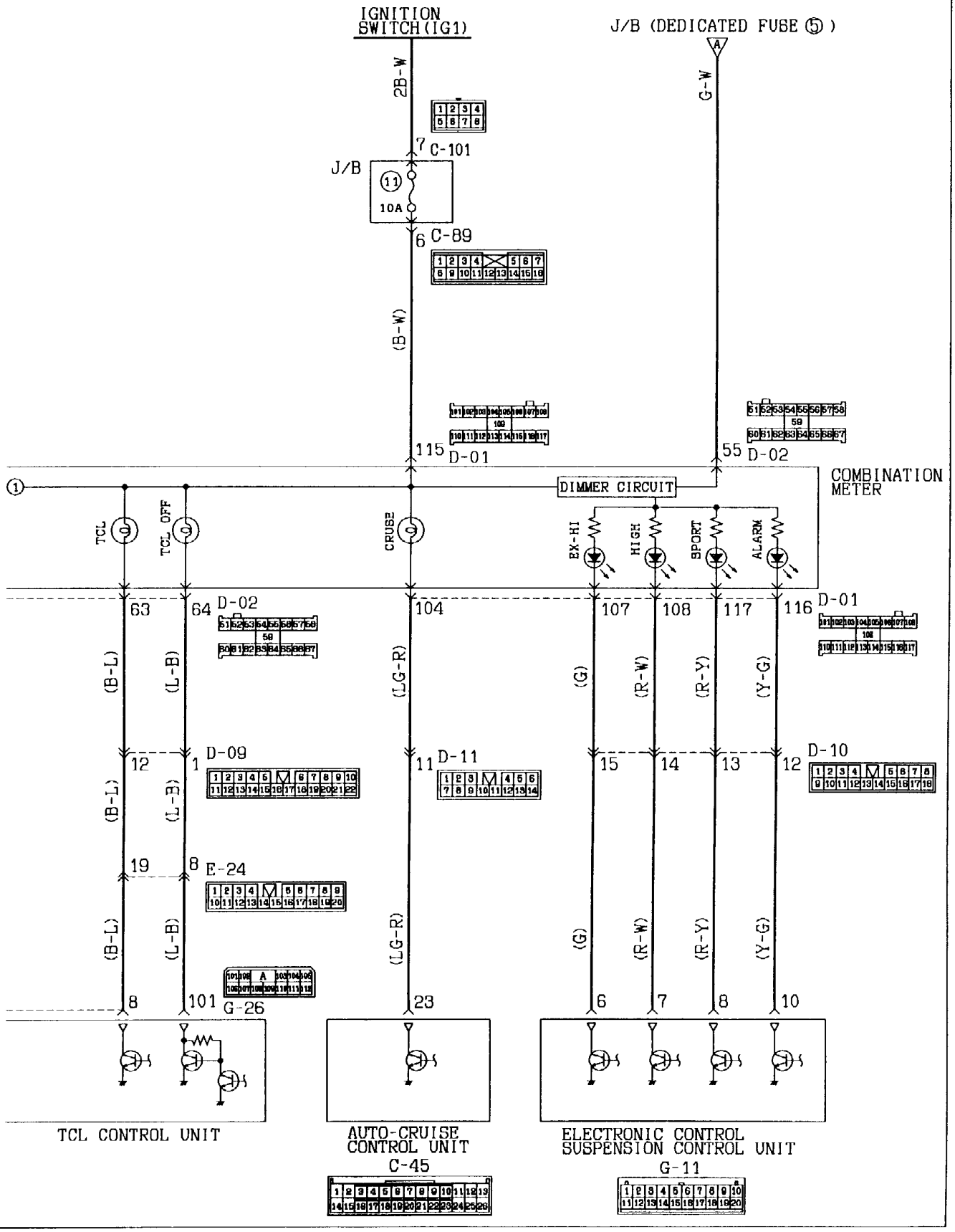




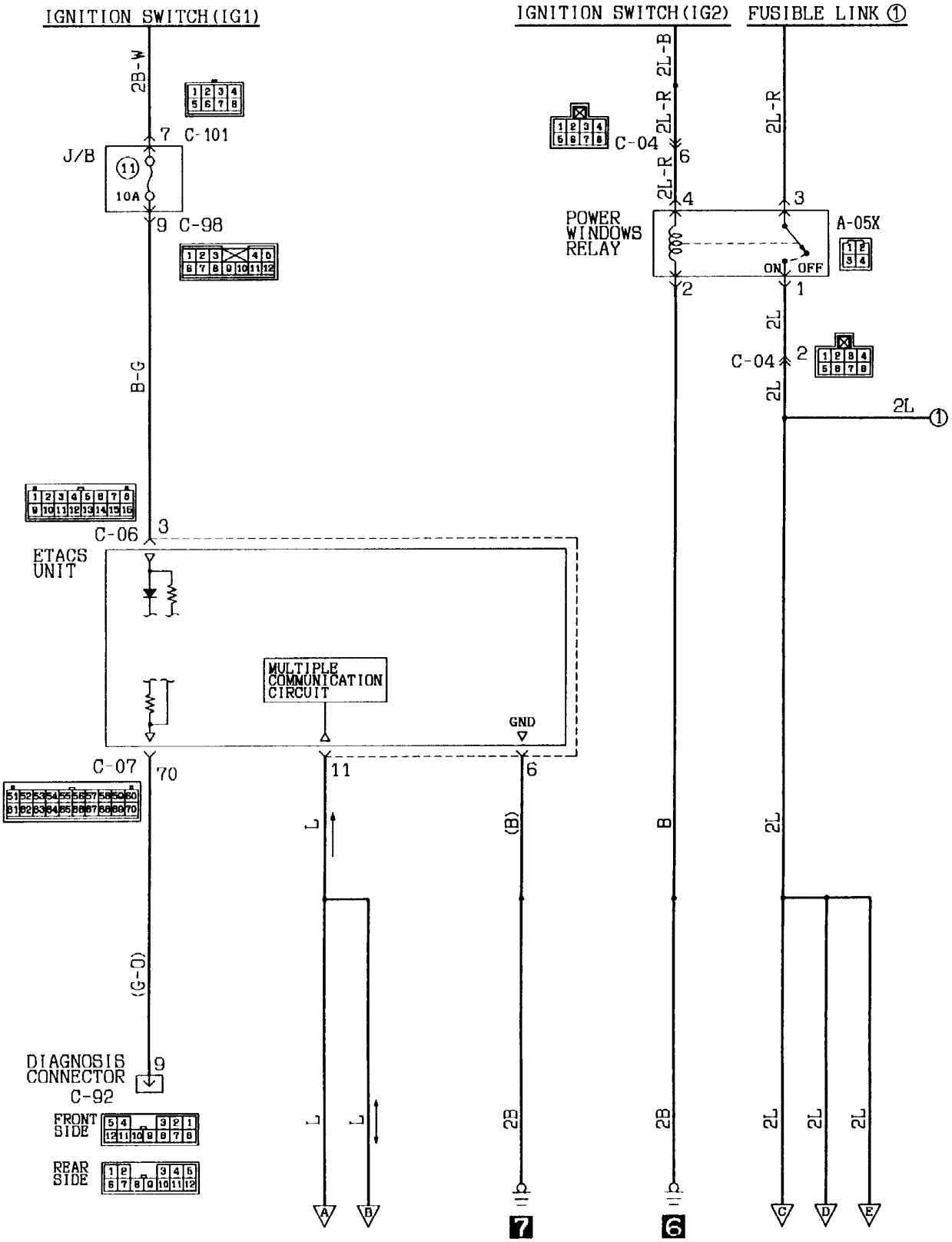
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	BB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

KX35-AC-J1005A-EC

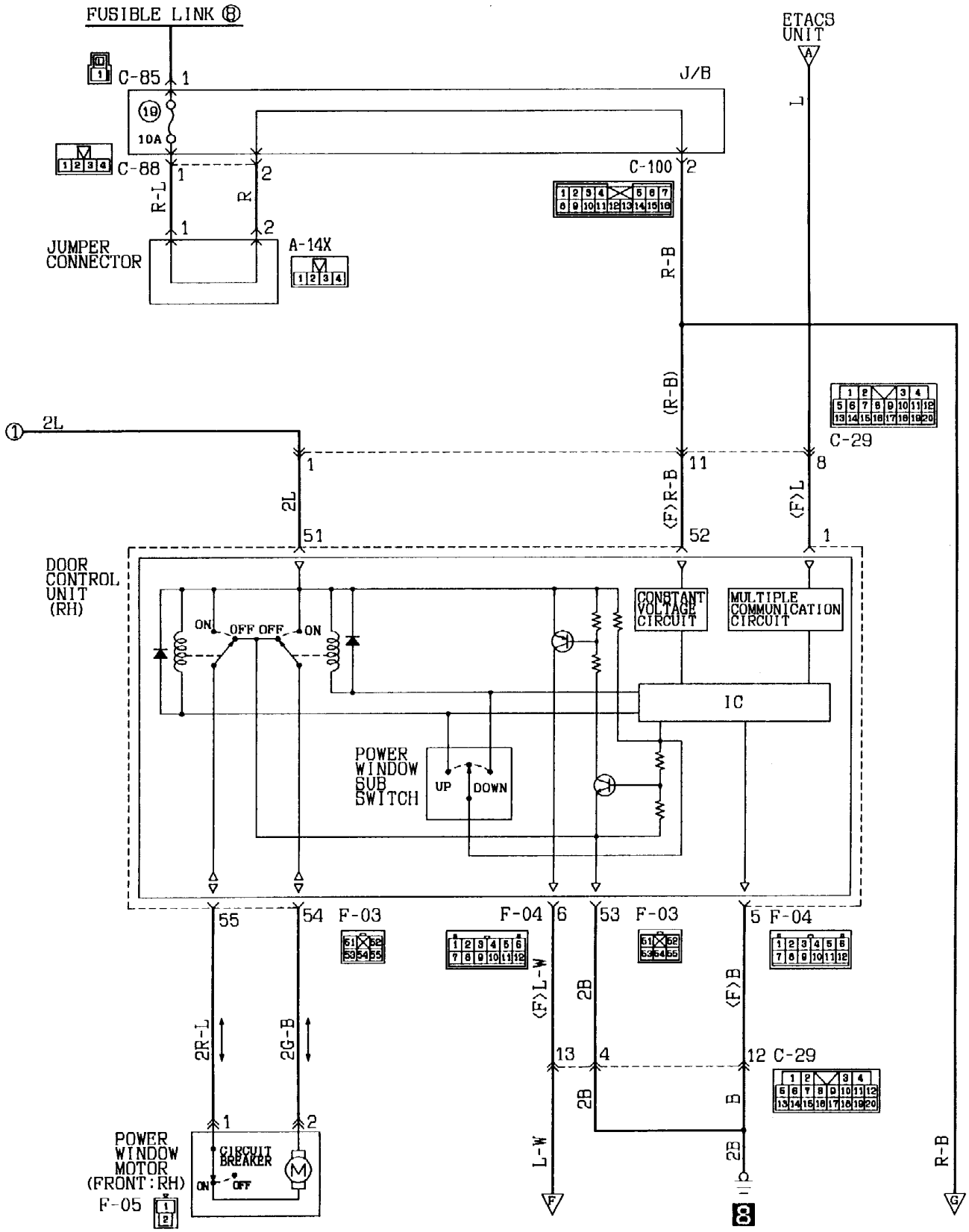


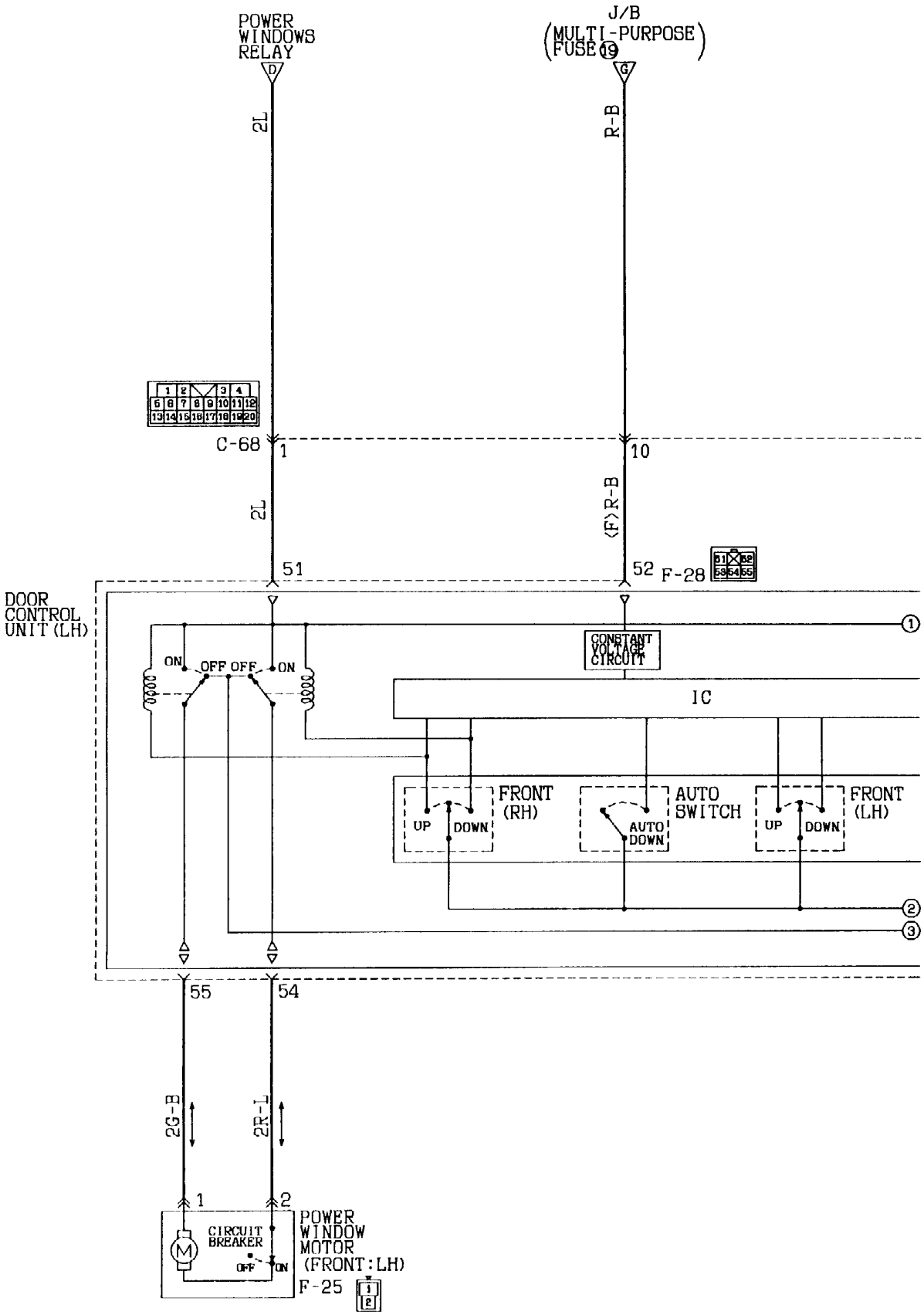
24 POWER WINDOW CIRCUIT
24-1 L.H. drive vehicles



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J1101-EC

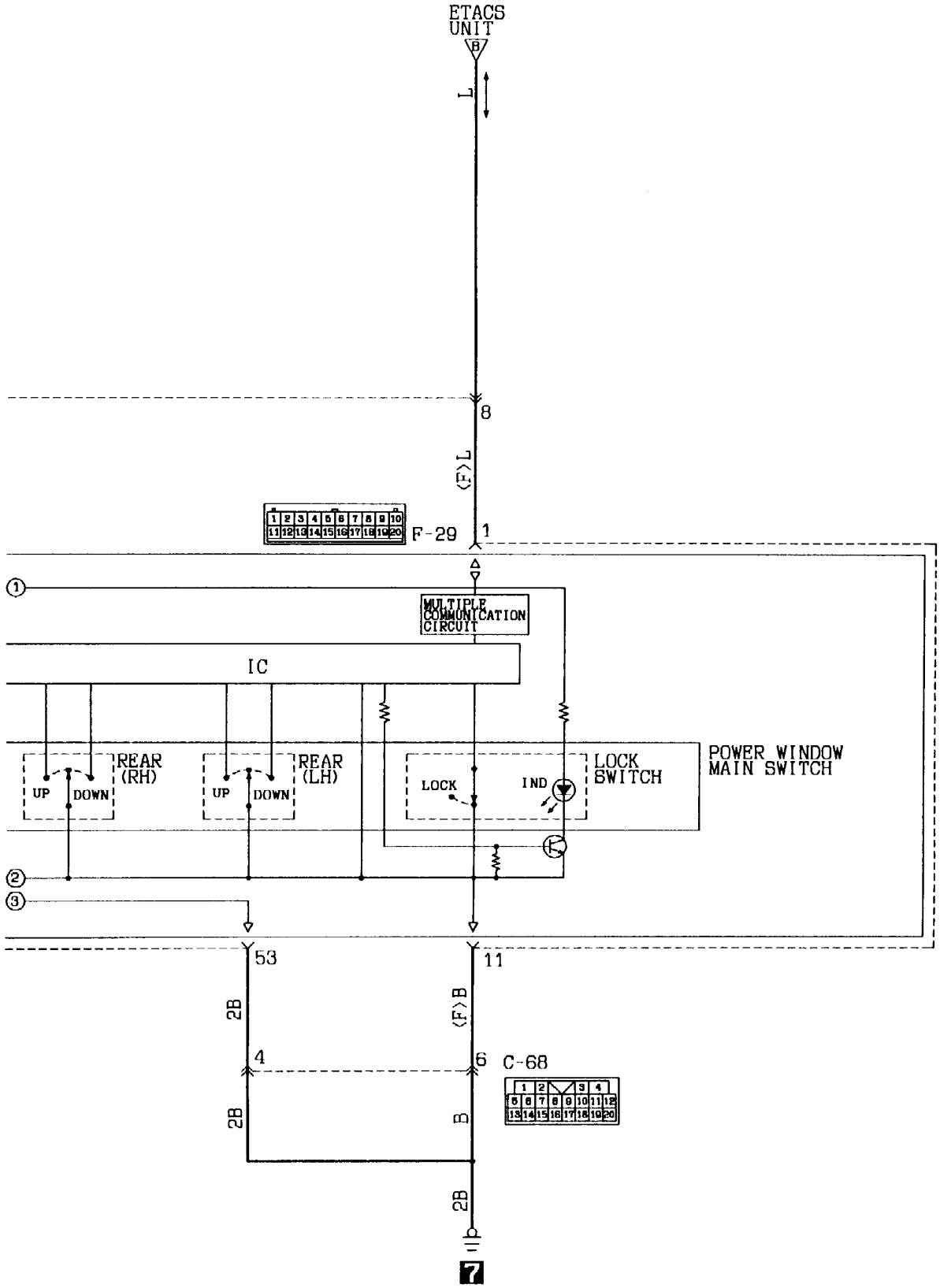


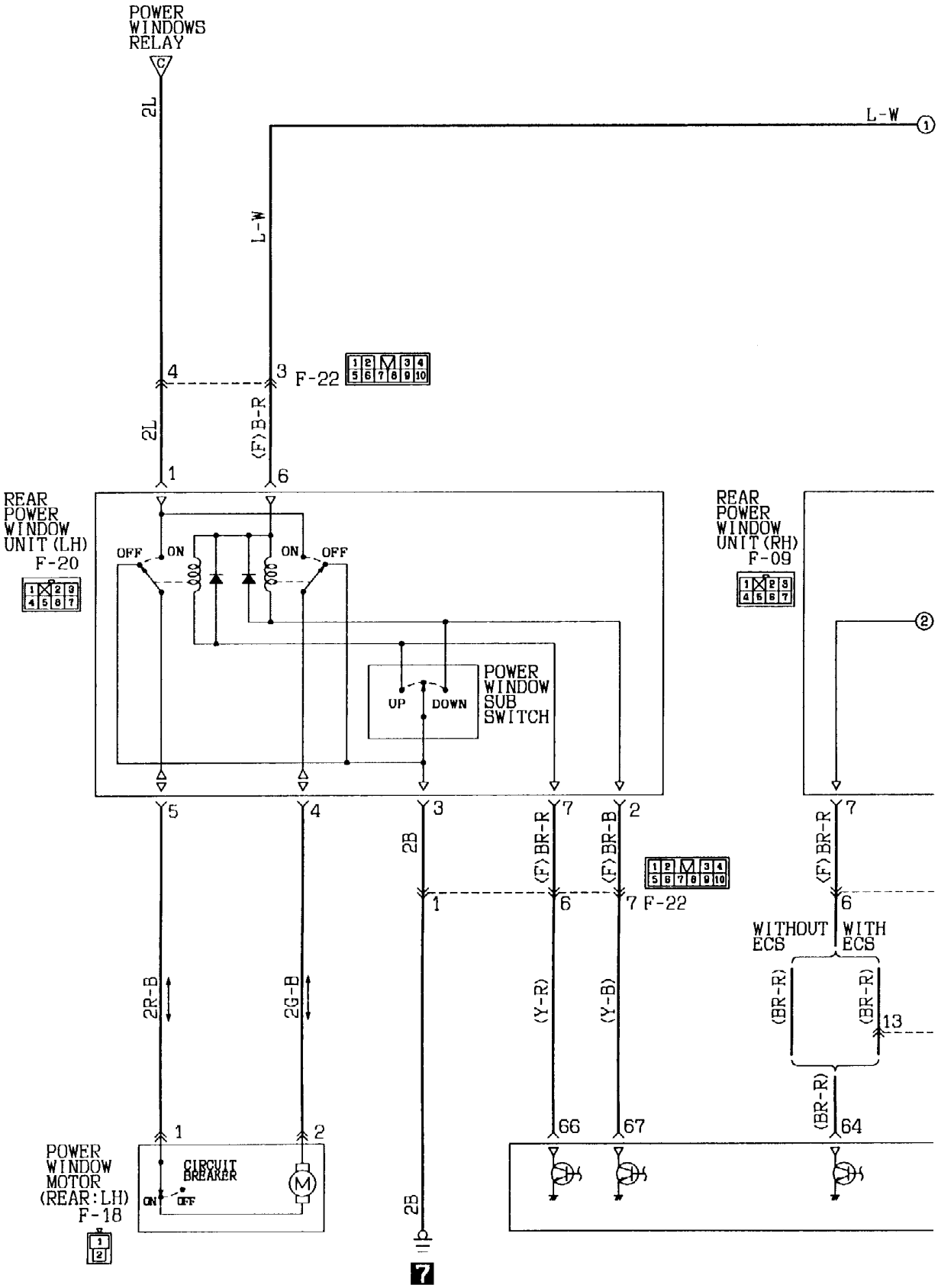


Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

KX35-AC-J1101A-EC

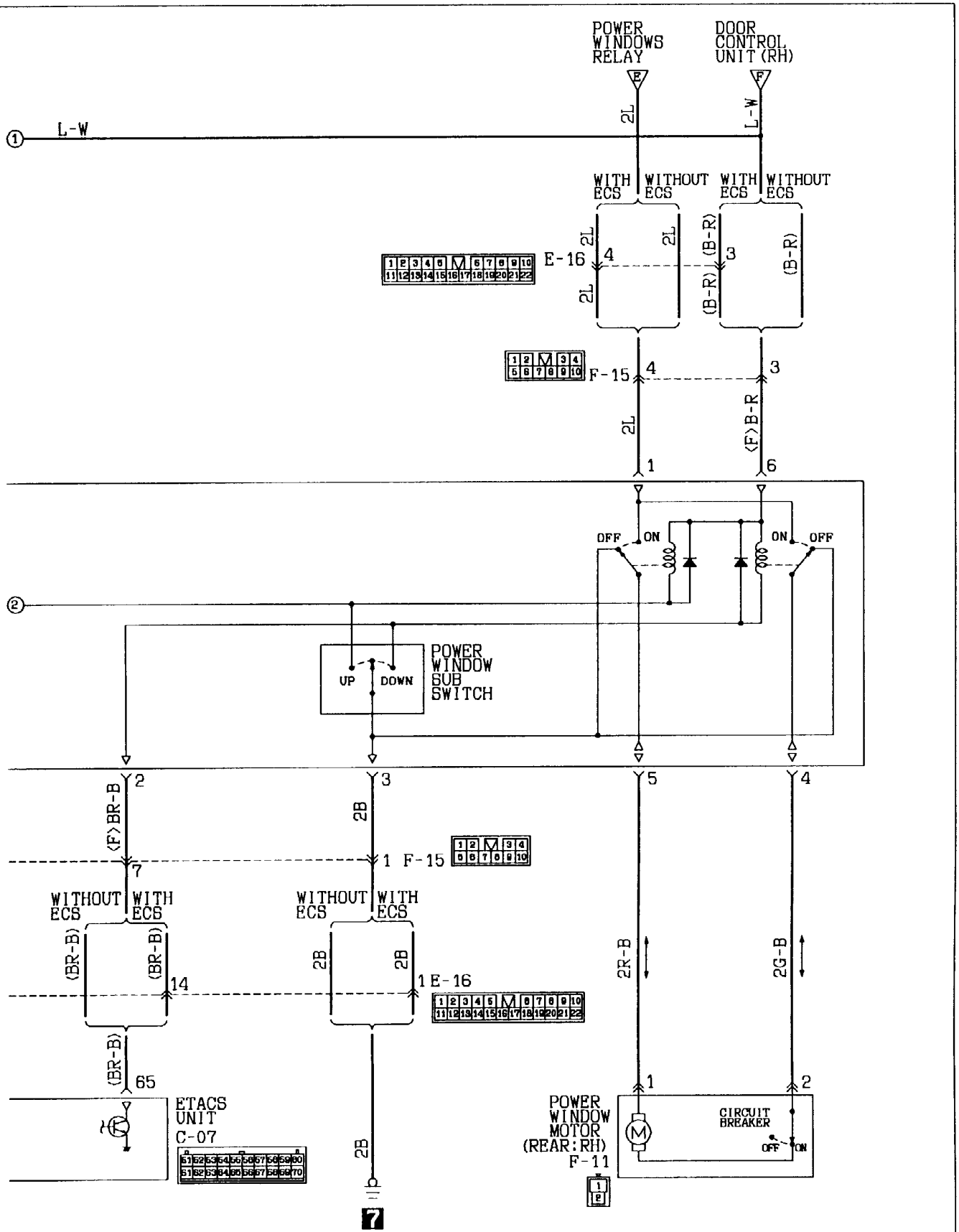




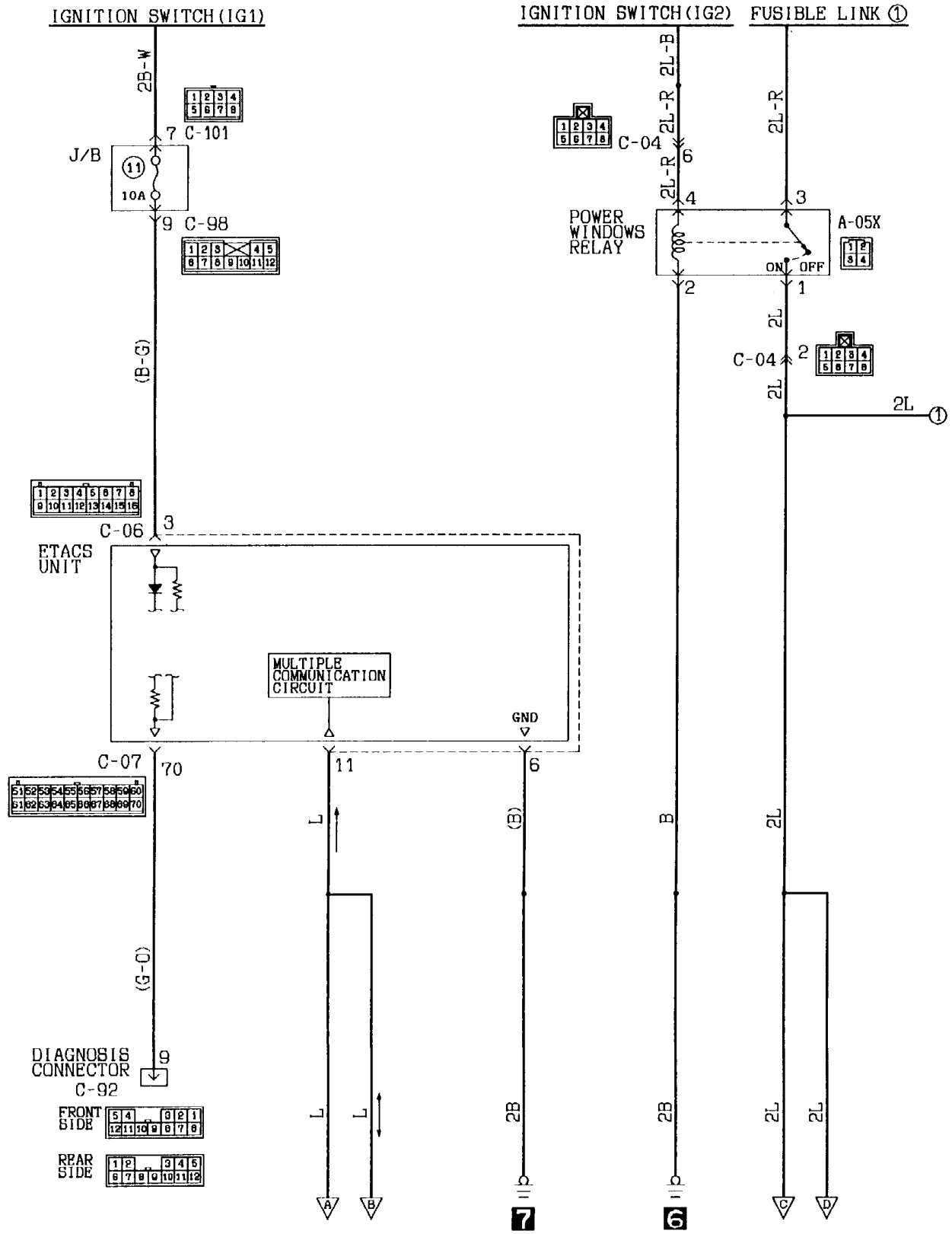
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

KX35-AC-J1101B-EC



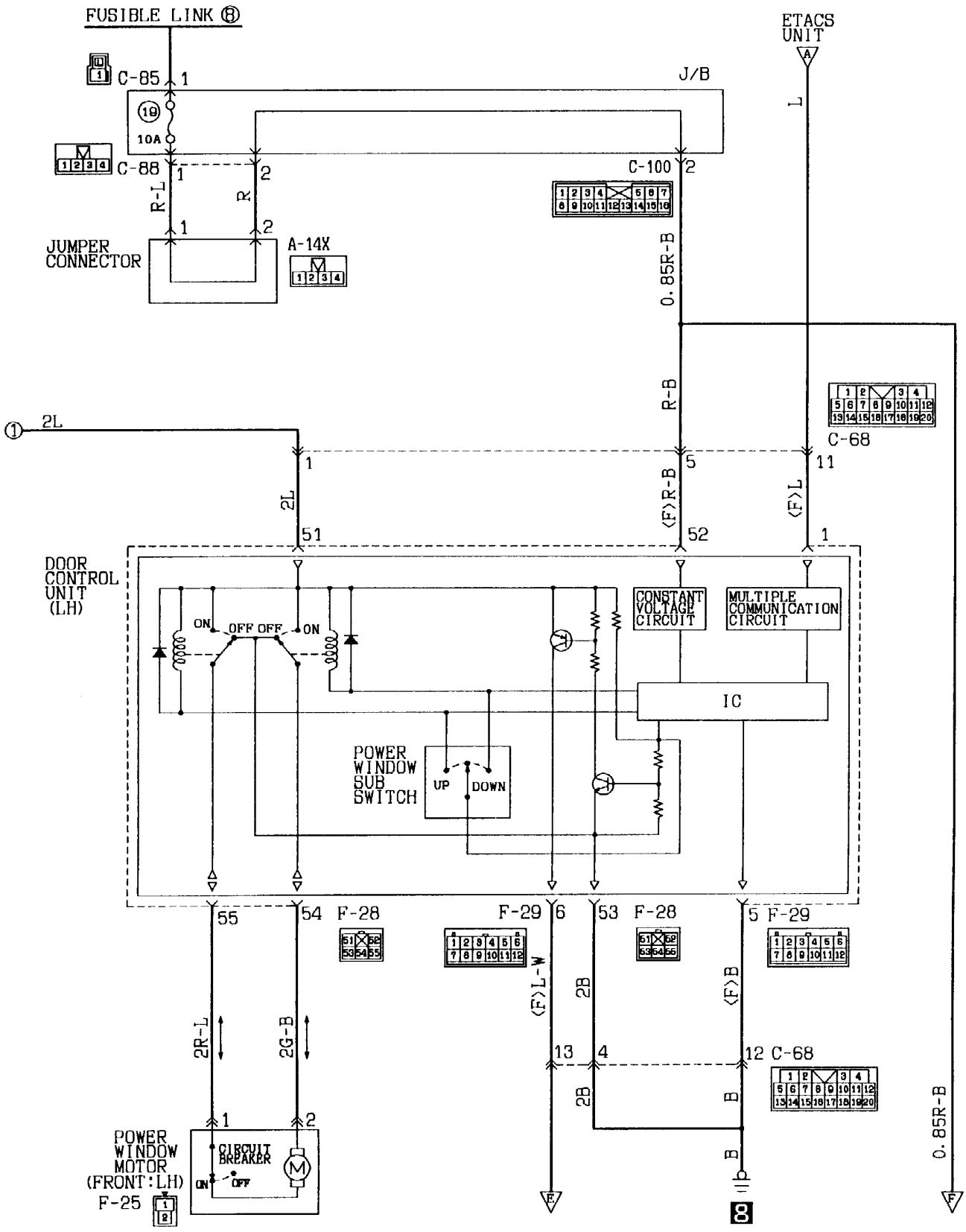
24-2 R.H. drive vehicles

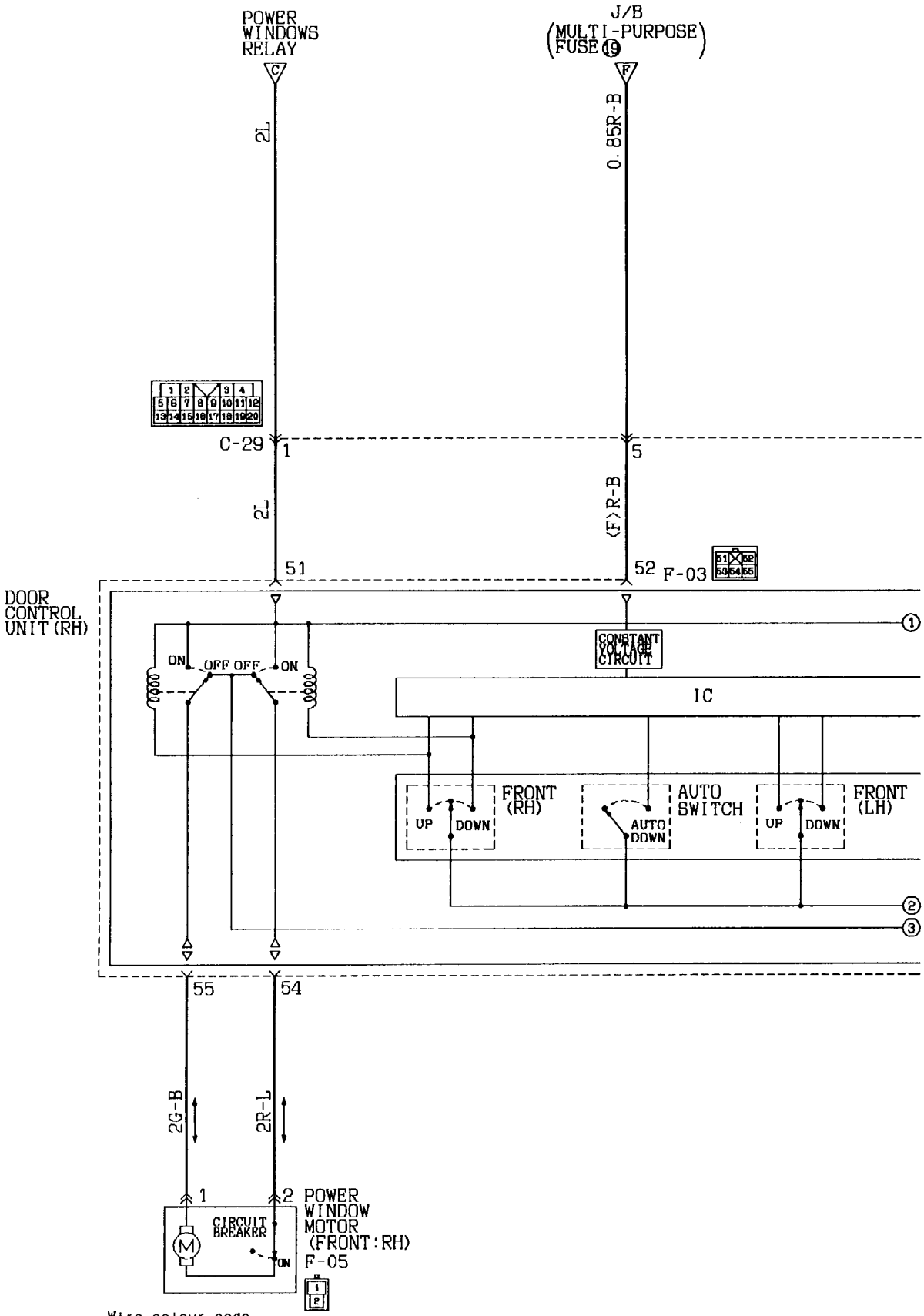


Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

KX35-AC-J1102-EC

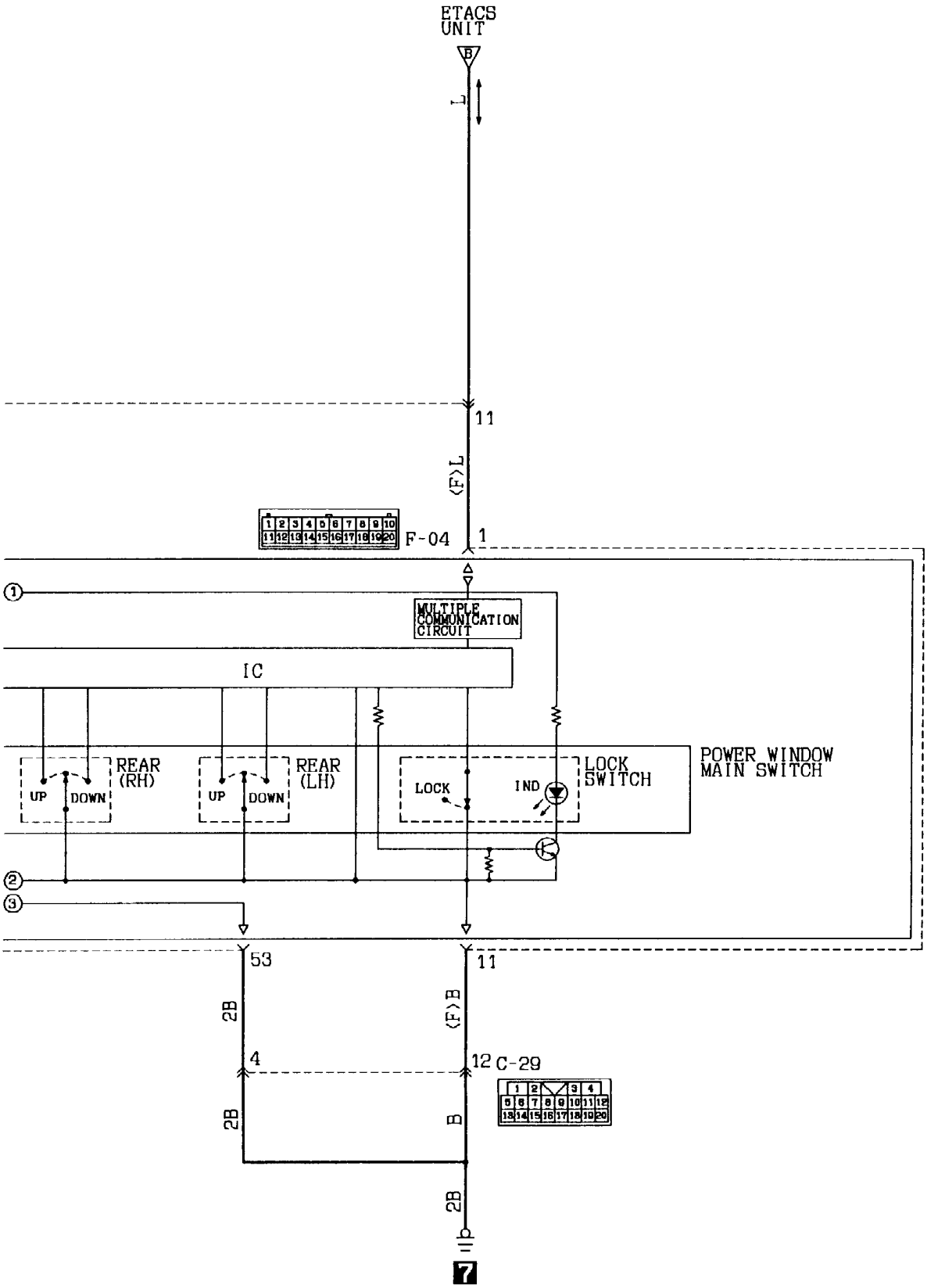


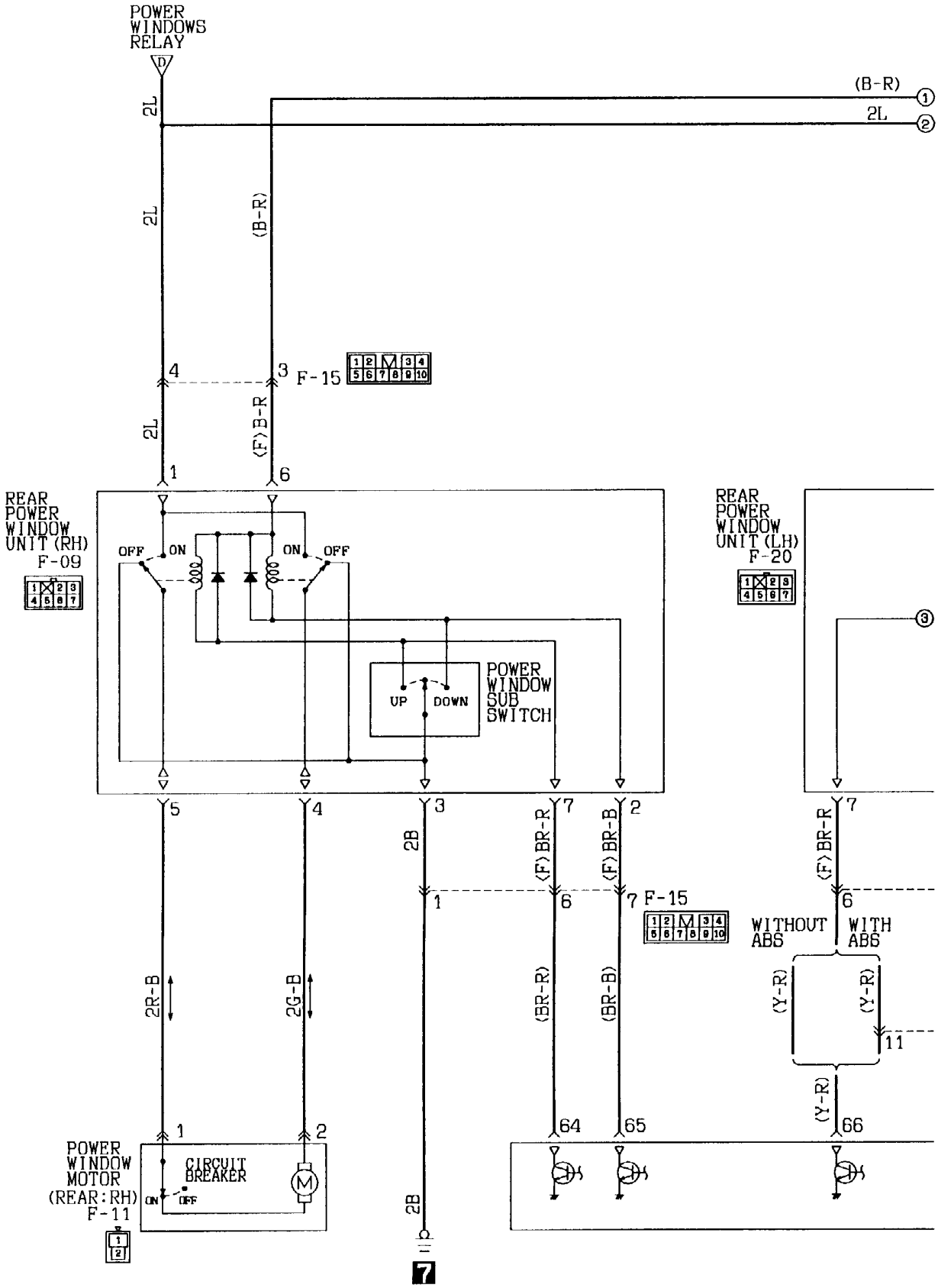


Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

KX35-AC-J1102A-EC

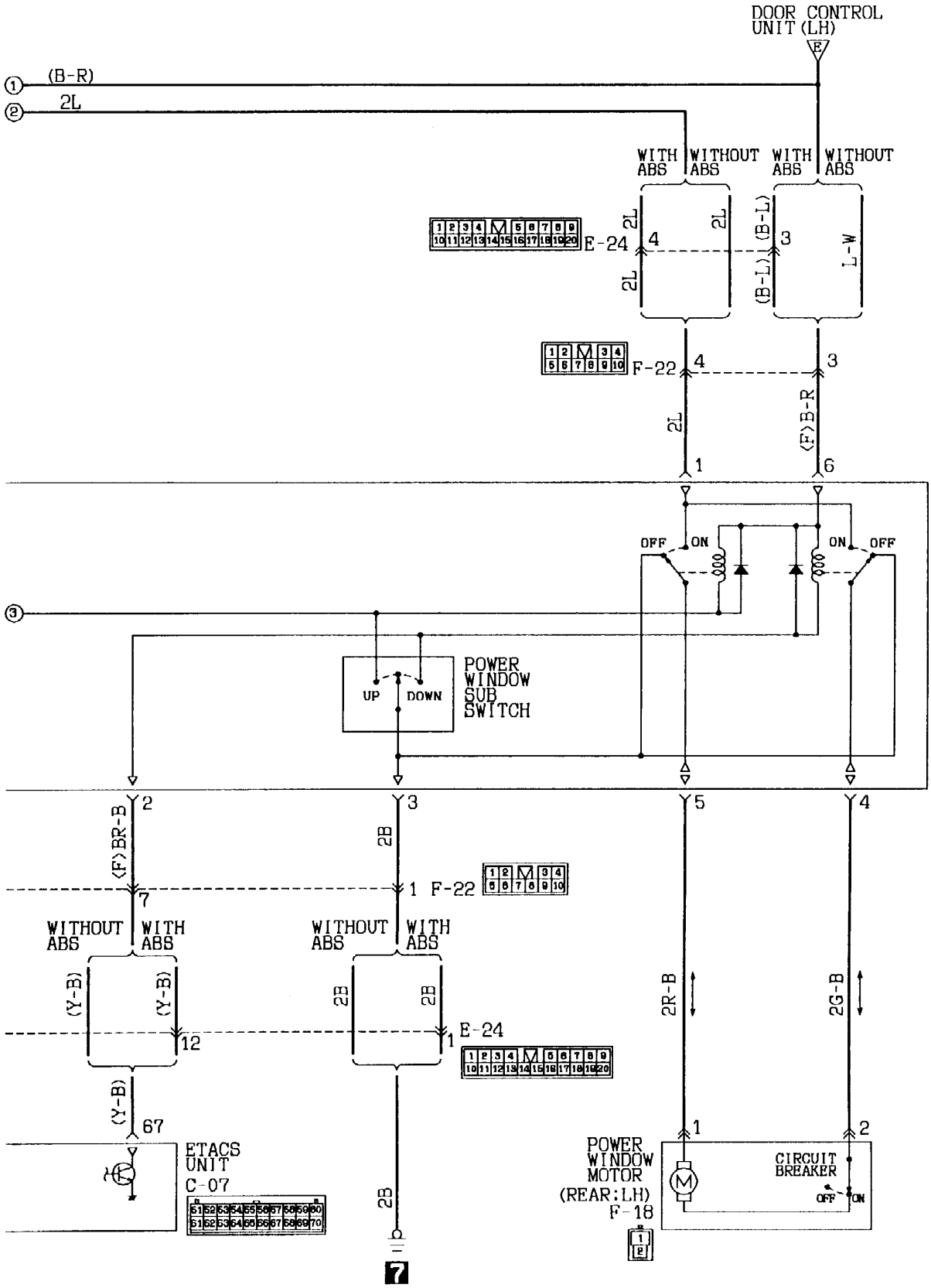




Wire colour code

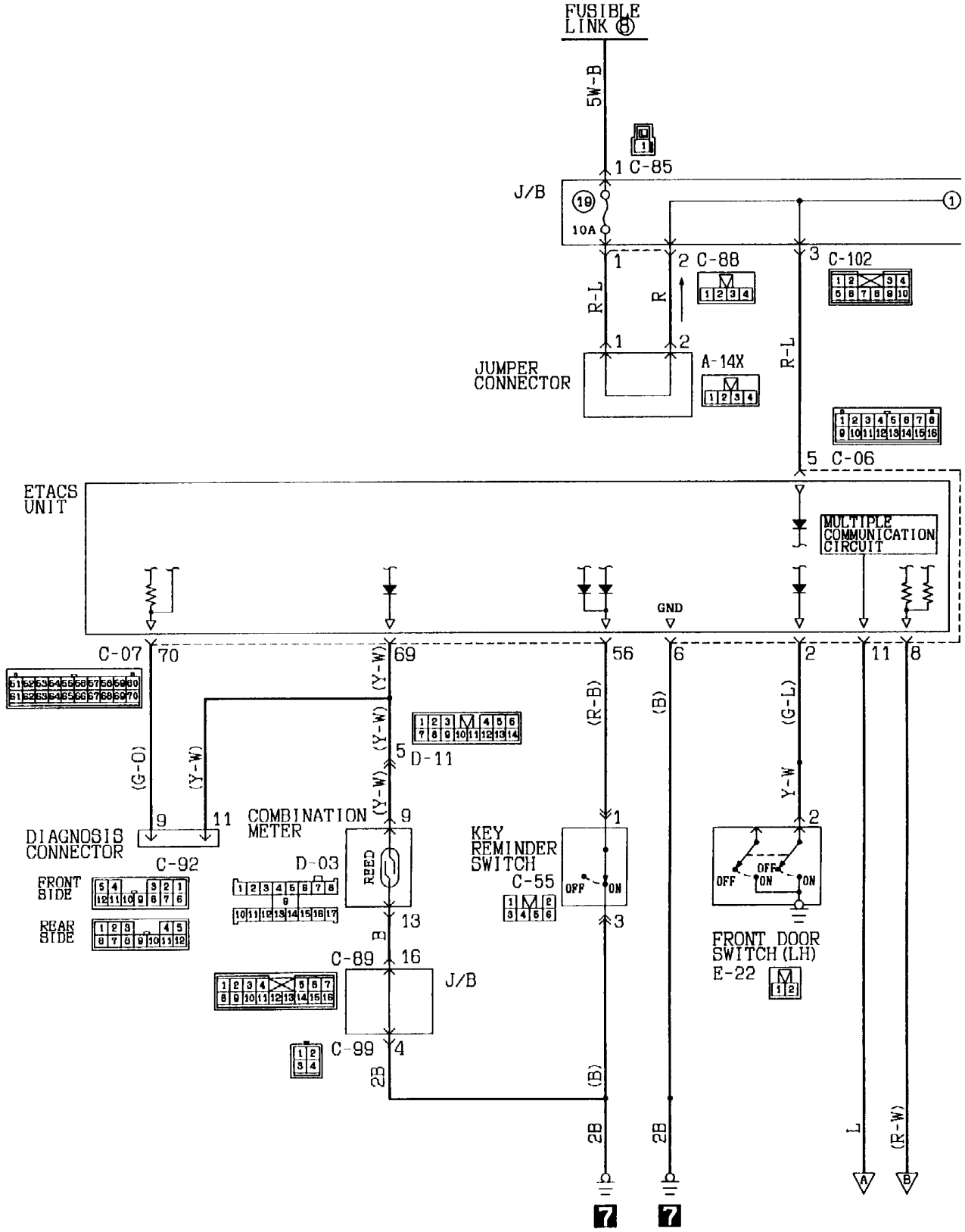
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

KX35-AC-J1102B-EC



25 CENTRAL DOOR LOCKING CIRCUIT

25-1 L.H. drive vehicles



Wire colour code
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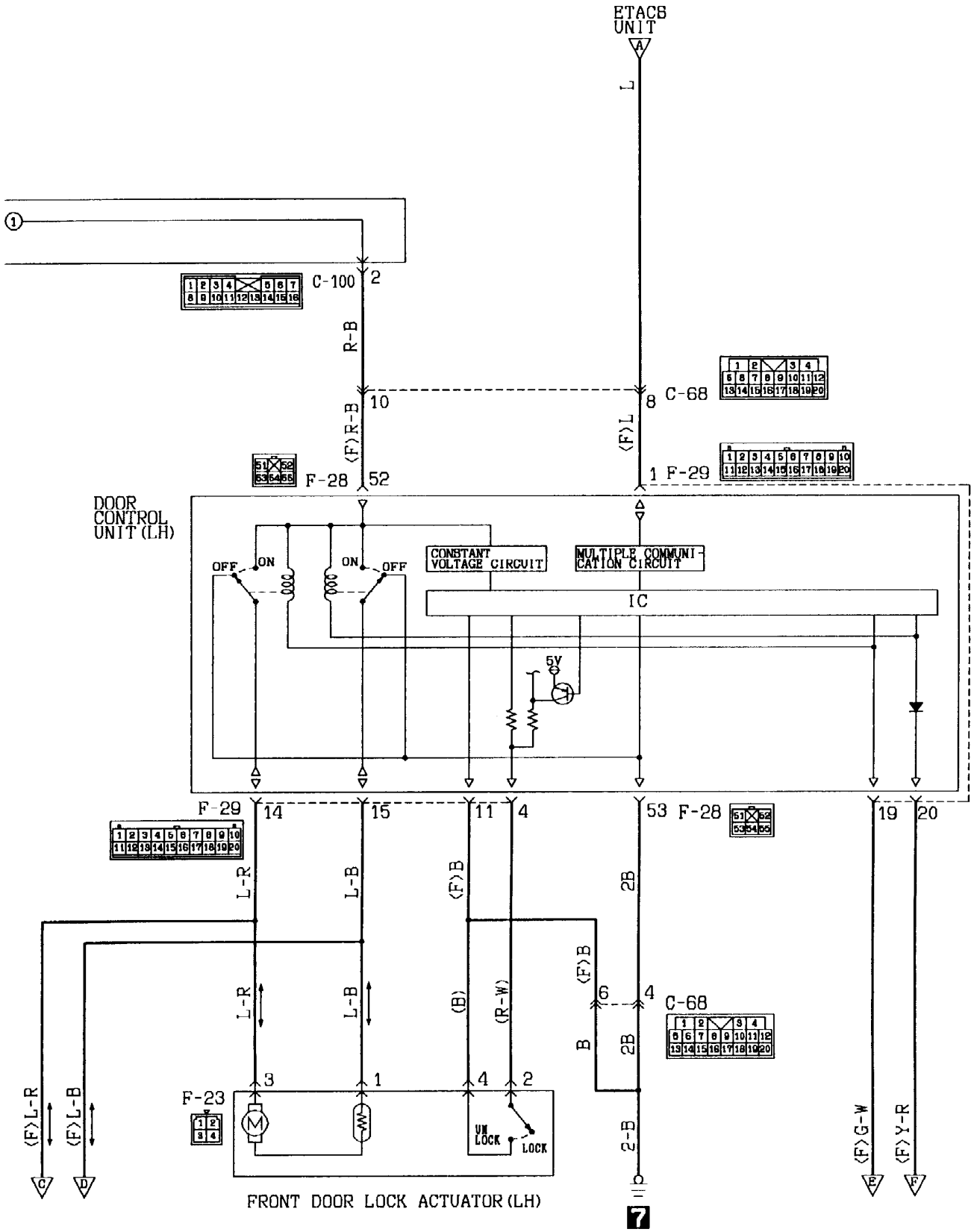
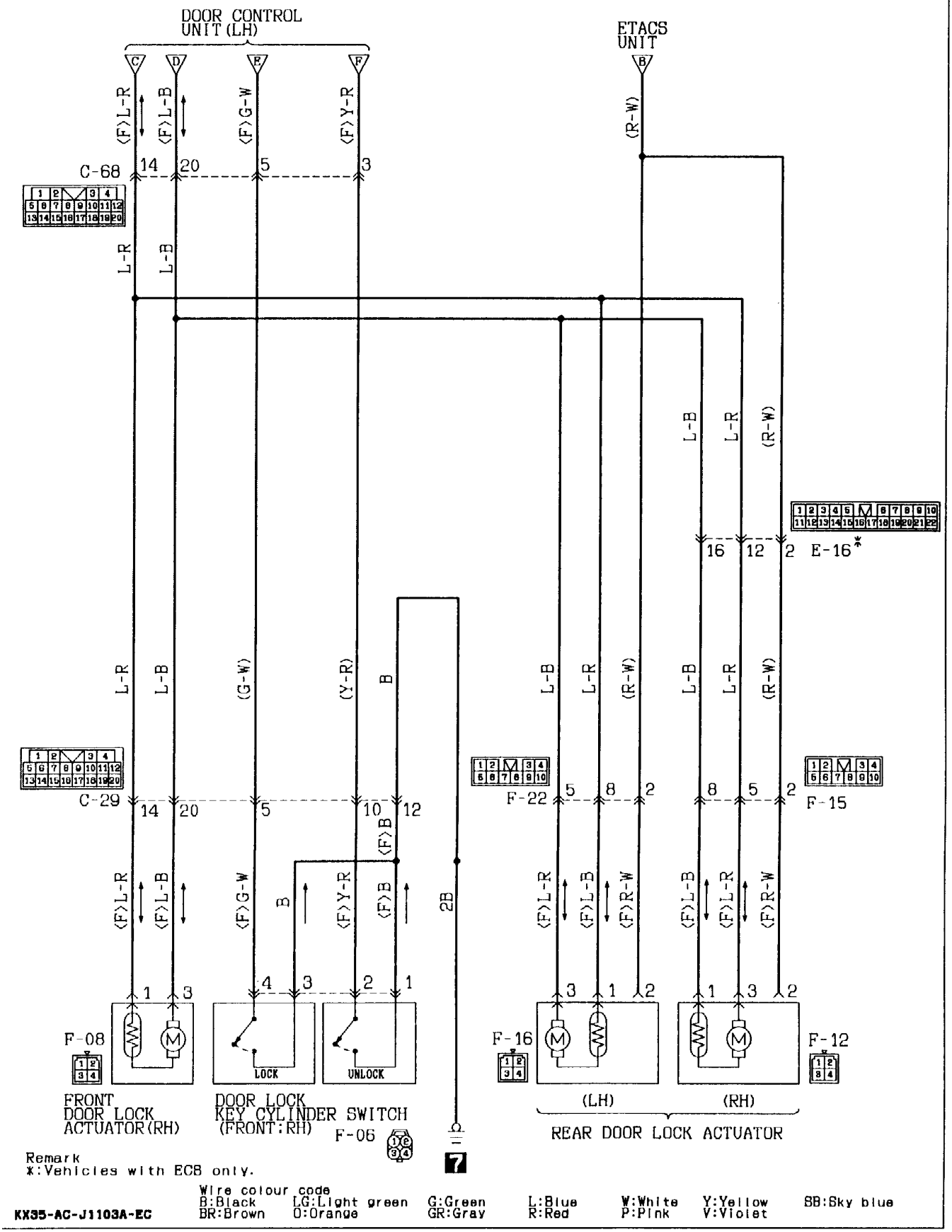
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J1103-EC


ETACS UNIT
A
L
C-100
2
R-B
10
(F)R-B
F-28
52
8
C-68
(F)L
1
F-29
DOOR CONTROL UNIT (LH)
OFF
ON
ON
OFF
CONSTANT VOLTAGE CIRCUIT
MULTIPLE COMMUNICATION CIRCUIT
IC
5V
F-29
14
15
11
4
53
F-28
19
20
L-R
L-B
(F)B
2B
(B)
(R-W)
6
4
C-68
B
3
1
4
2
F-23
UN LOCK
LOCK
2-B
7
(F)L-R
(F)L-B
(F)G-W
(F)Y-R
C
D
E
F
FRONT DOOR LOCK ACTUATOR (LH)

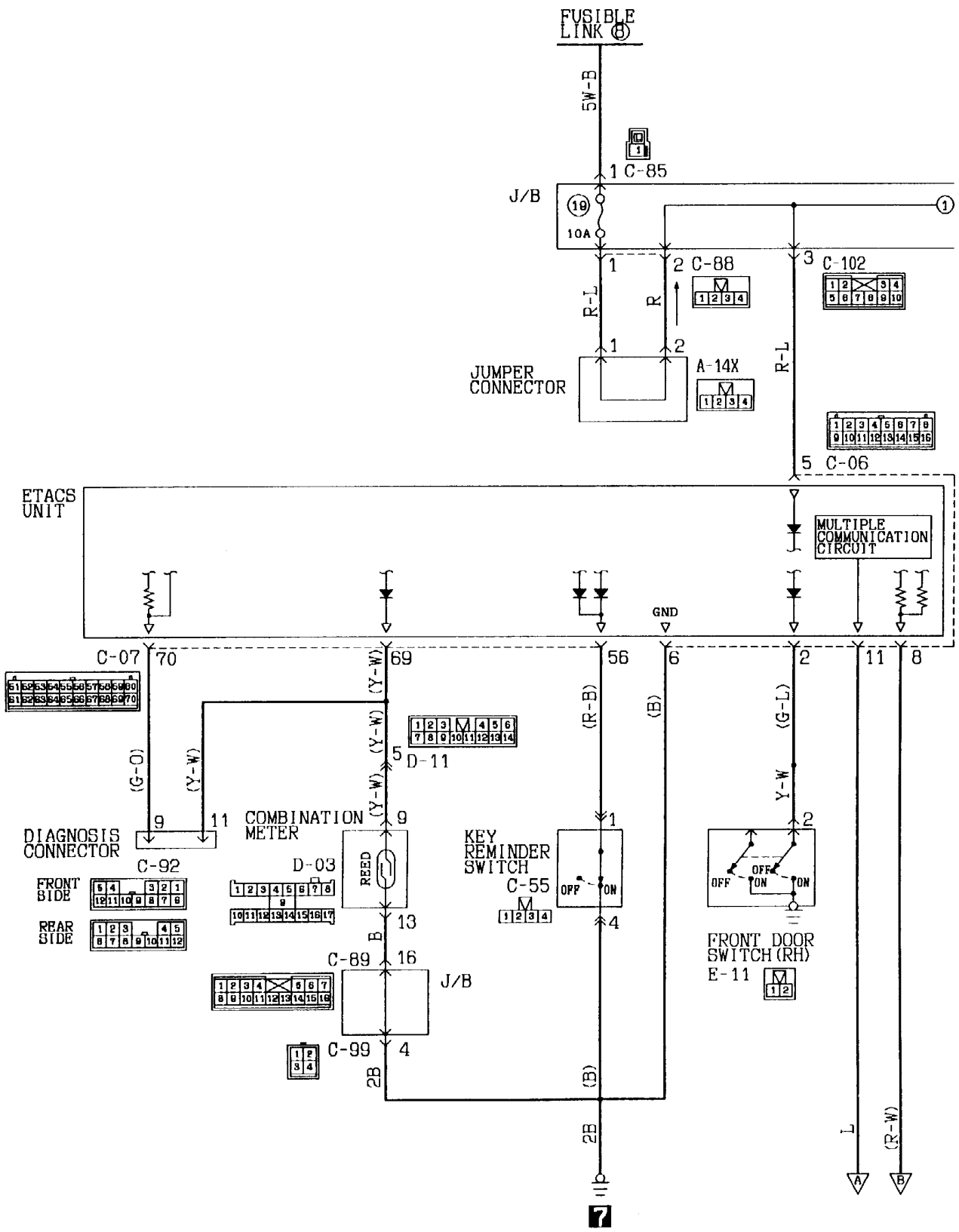


Remark
*:Vehicles with ECS only.

Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J1103A-EC

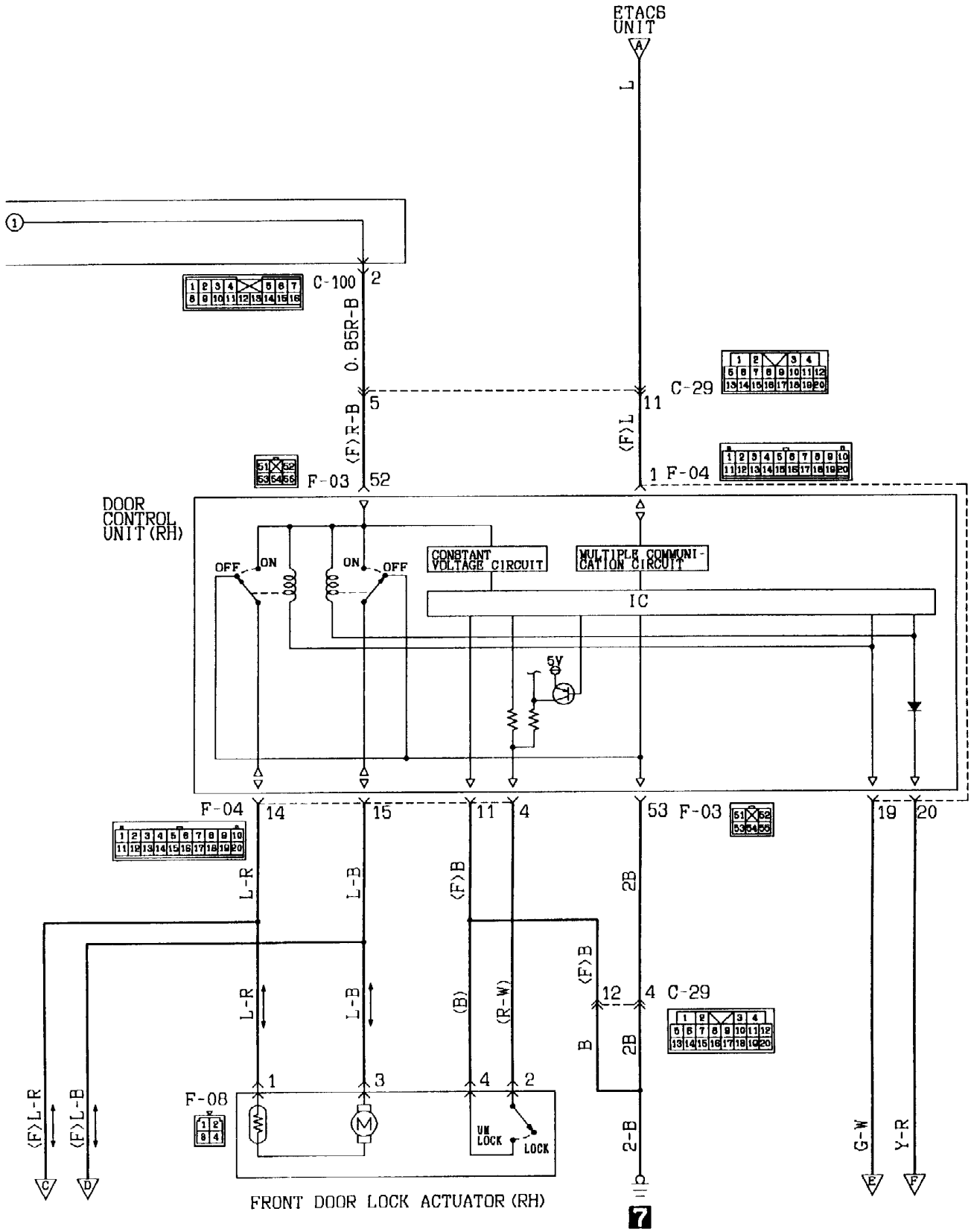
25-2 R.H. drive vehicles

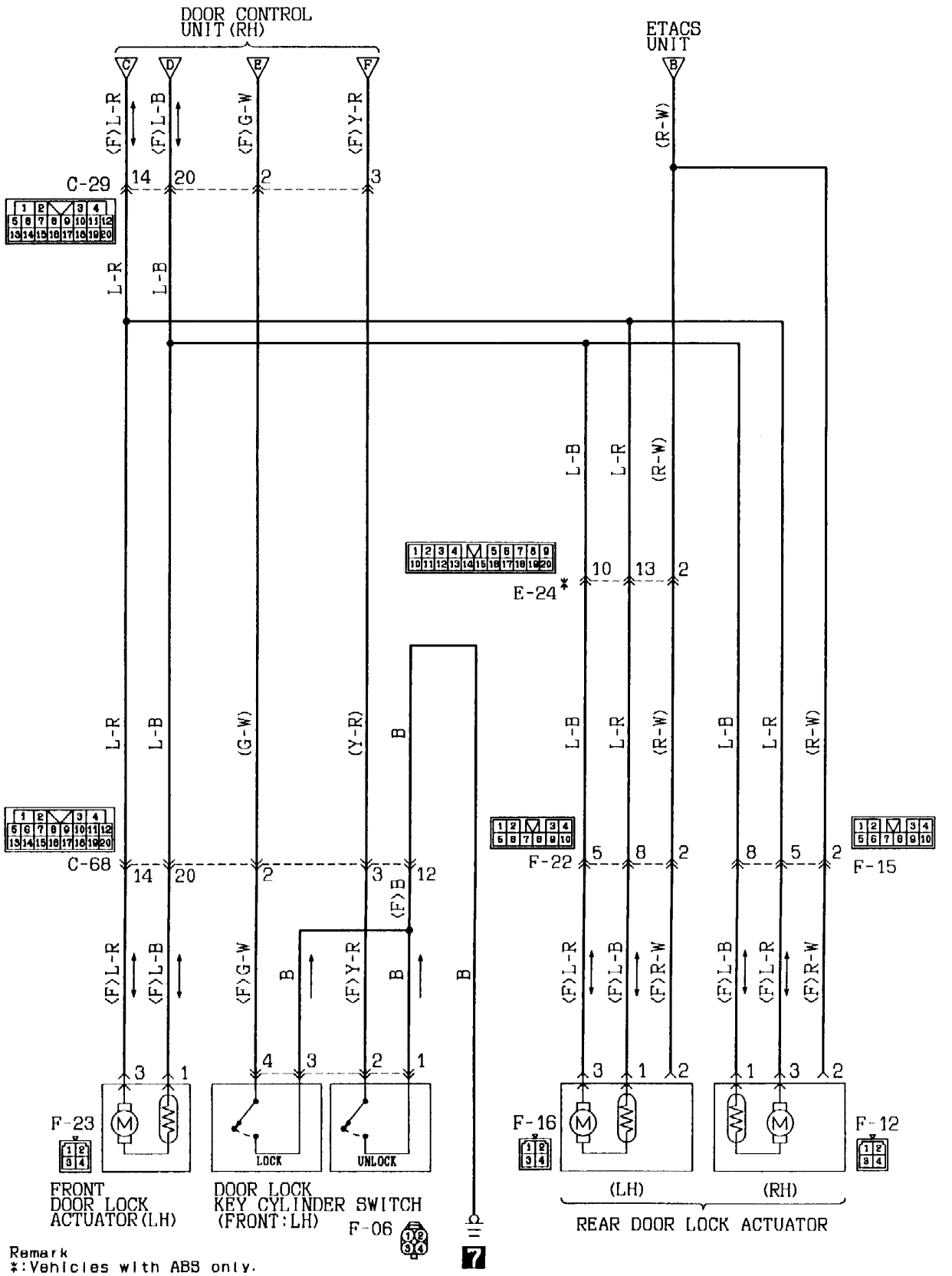


Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

KX35-AC-J1104-EC





Remark
*:Vehicles with ABS only.

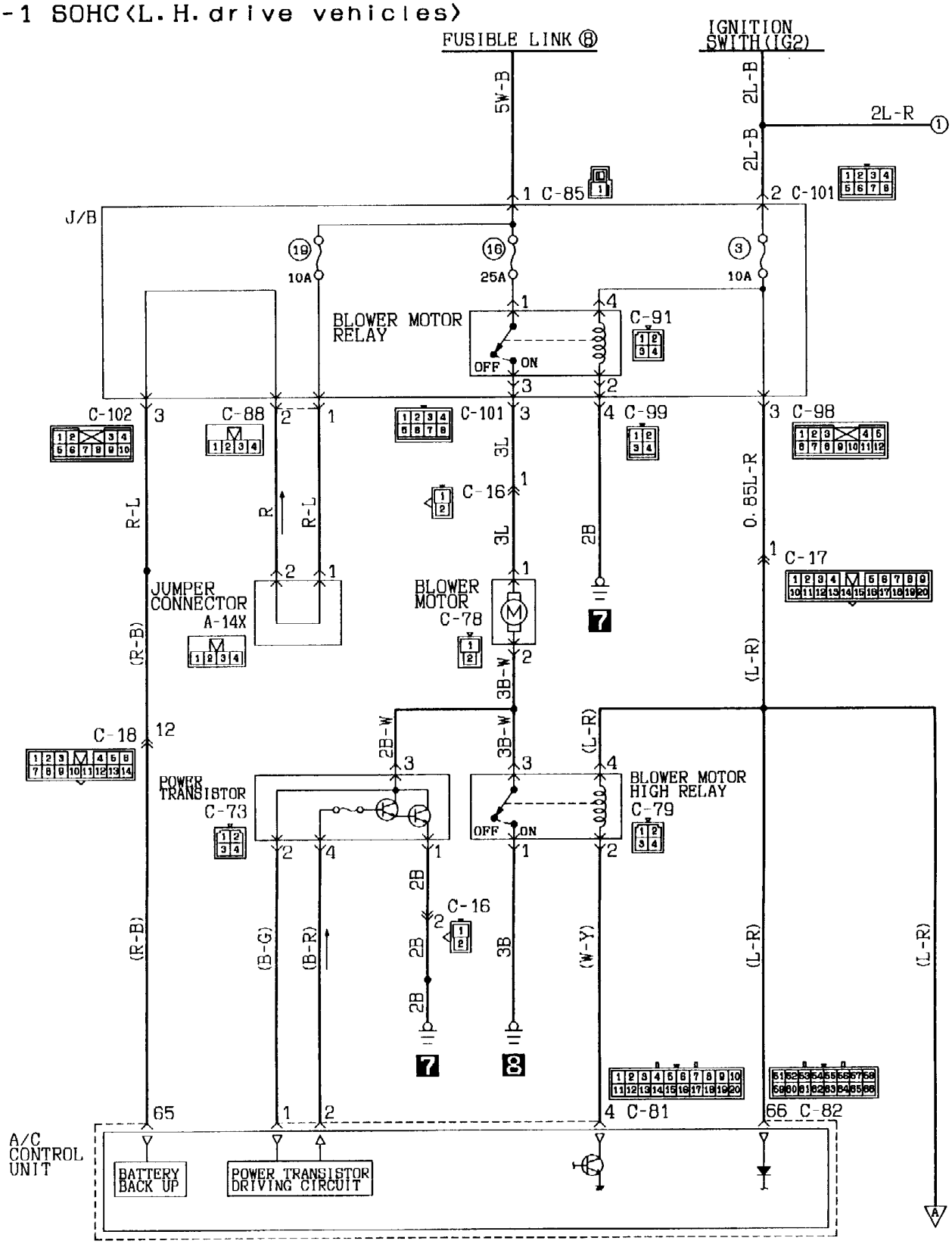
Wire colour code

B:Black	LG:Light Green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

KX35-AC-J1104A-EC

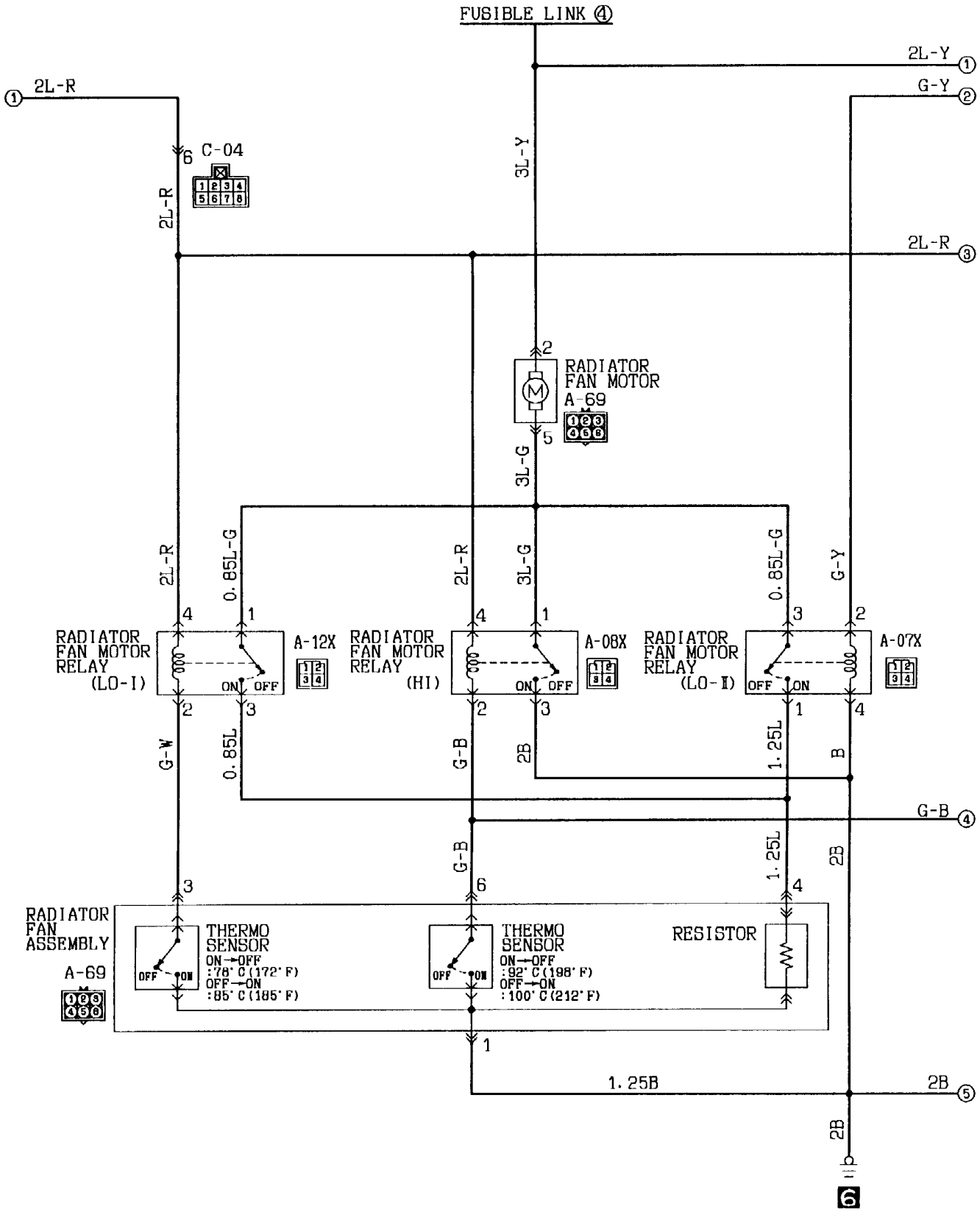
26 HEATER AND AIR CONDITIONER CIRCUIT

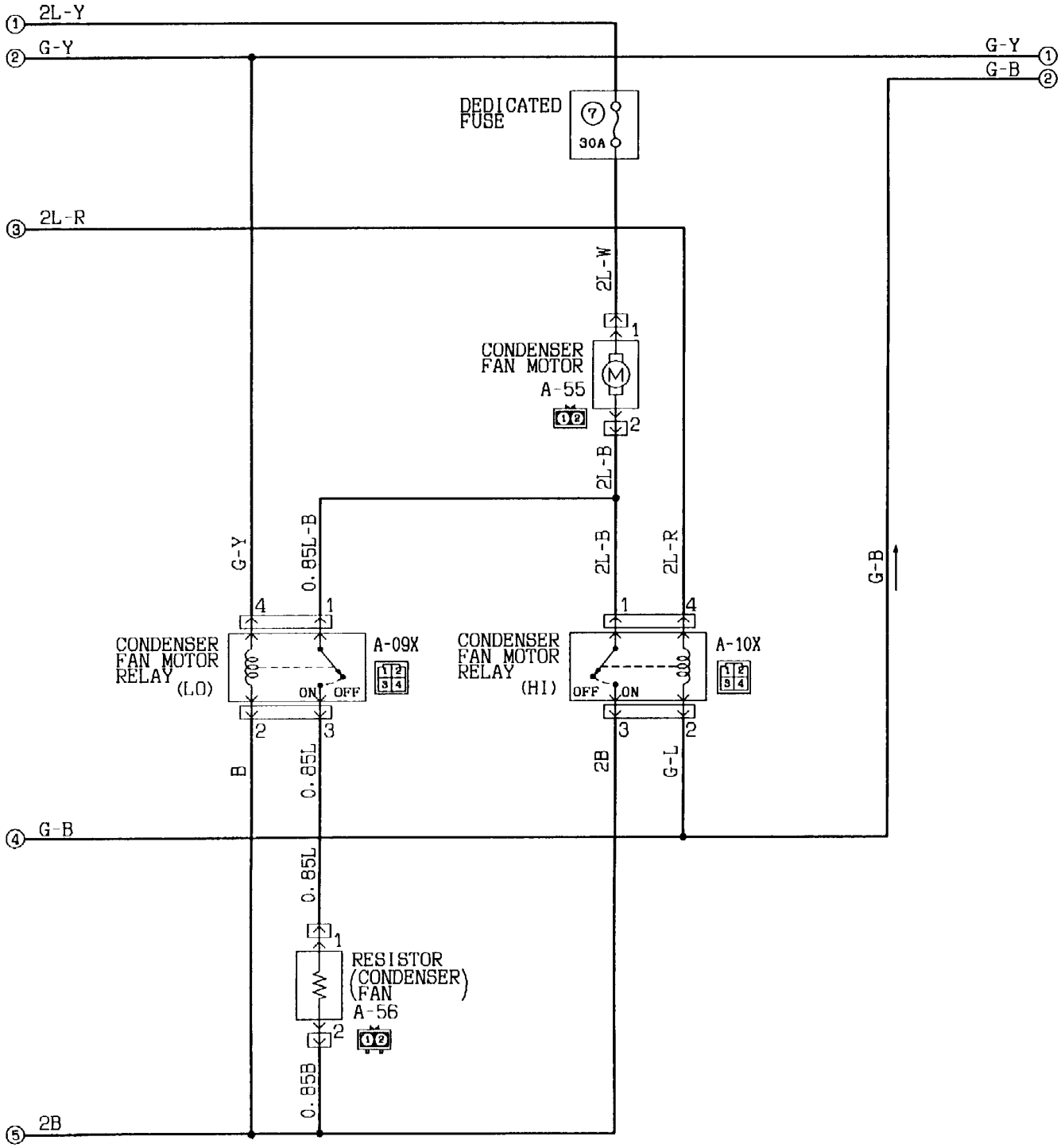
26-1 SOHC〈L.H.drive vehicles〉



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

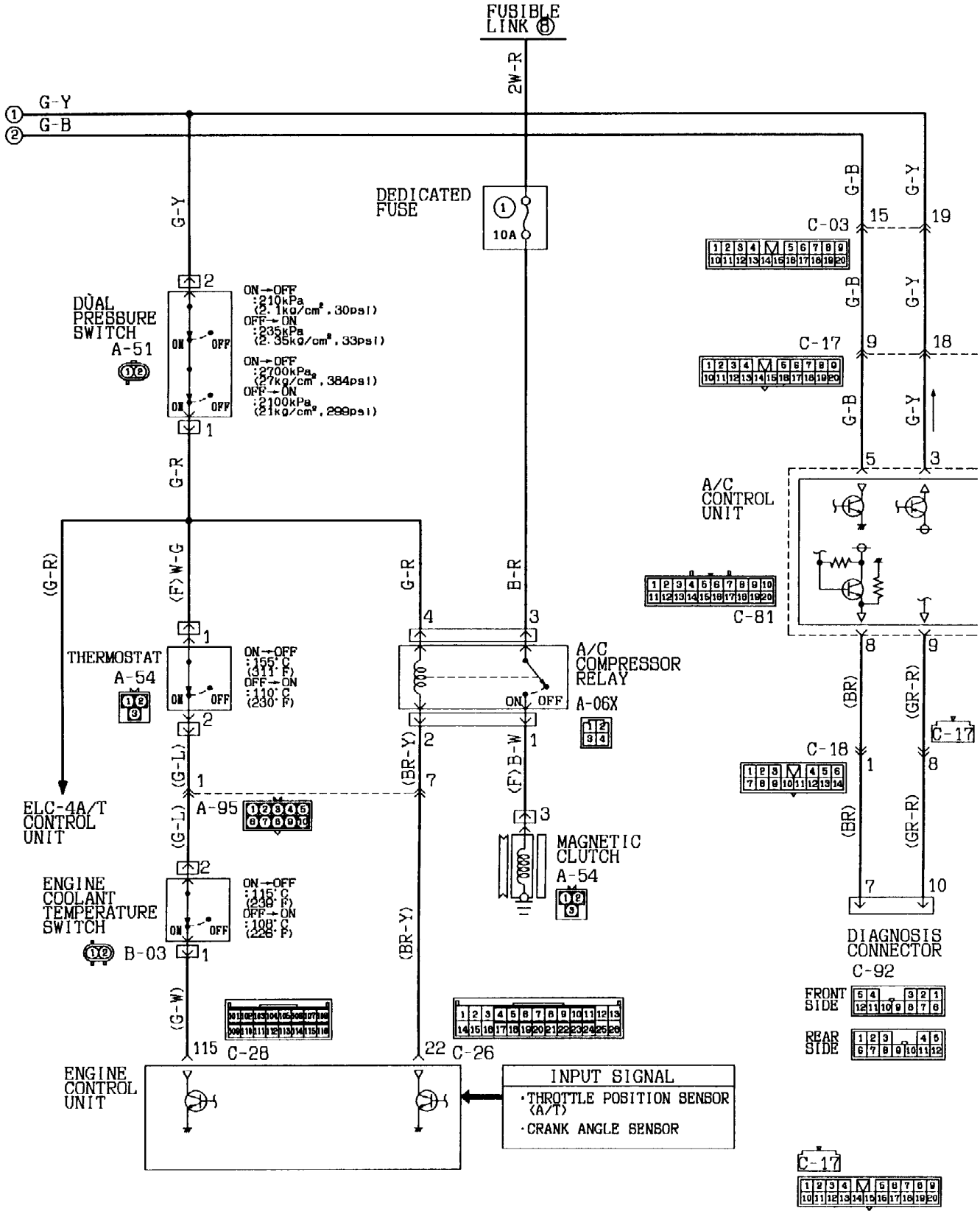
KX35-AC-J1201-EC

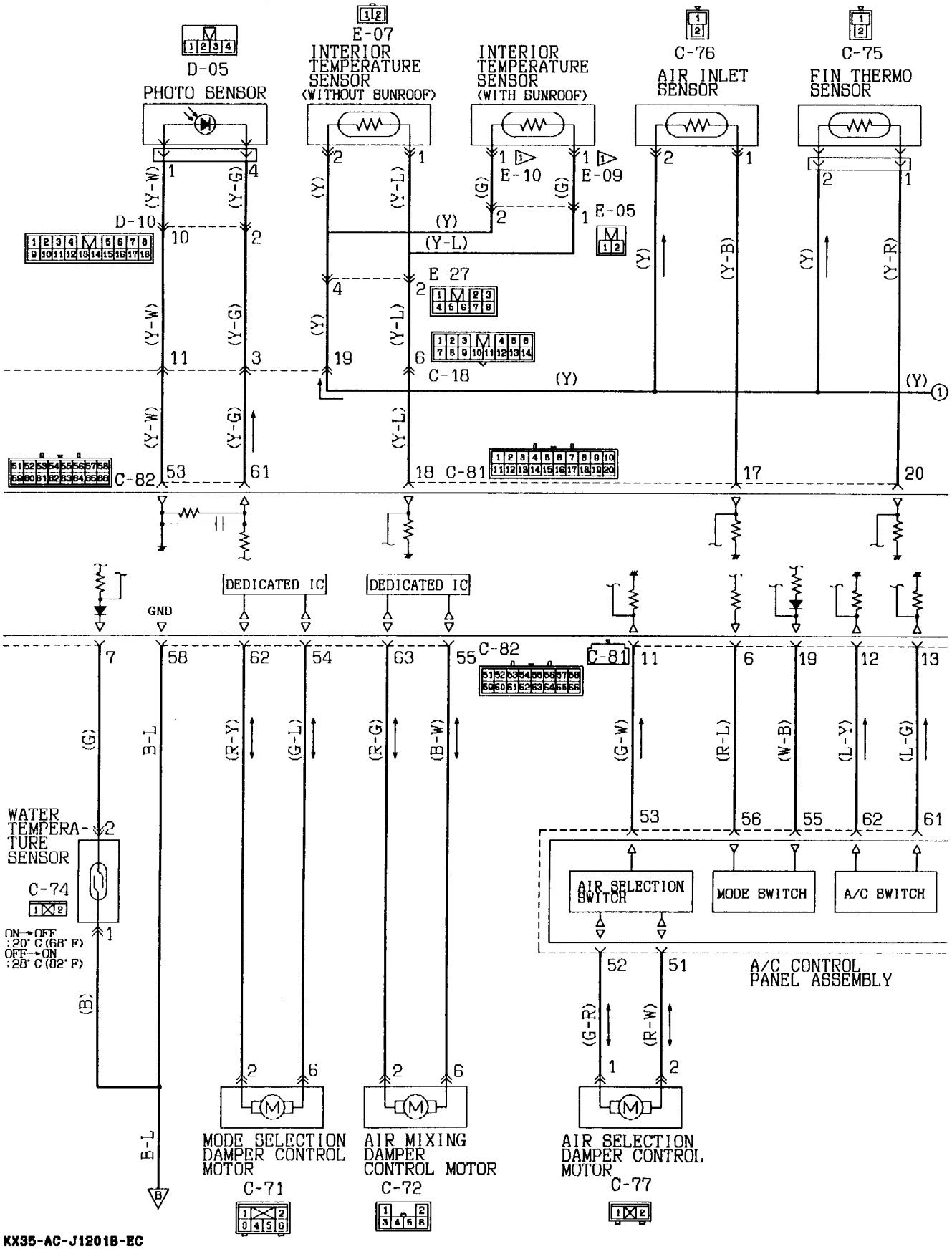




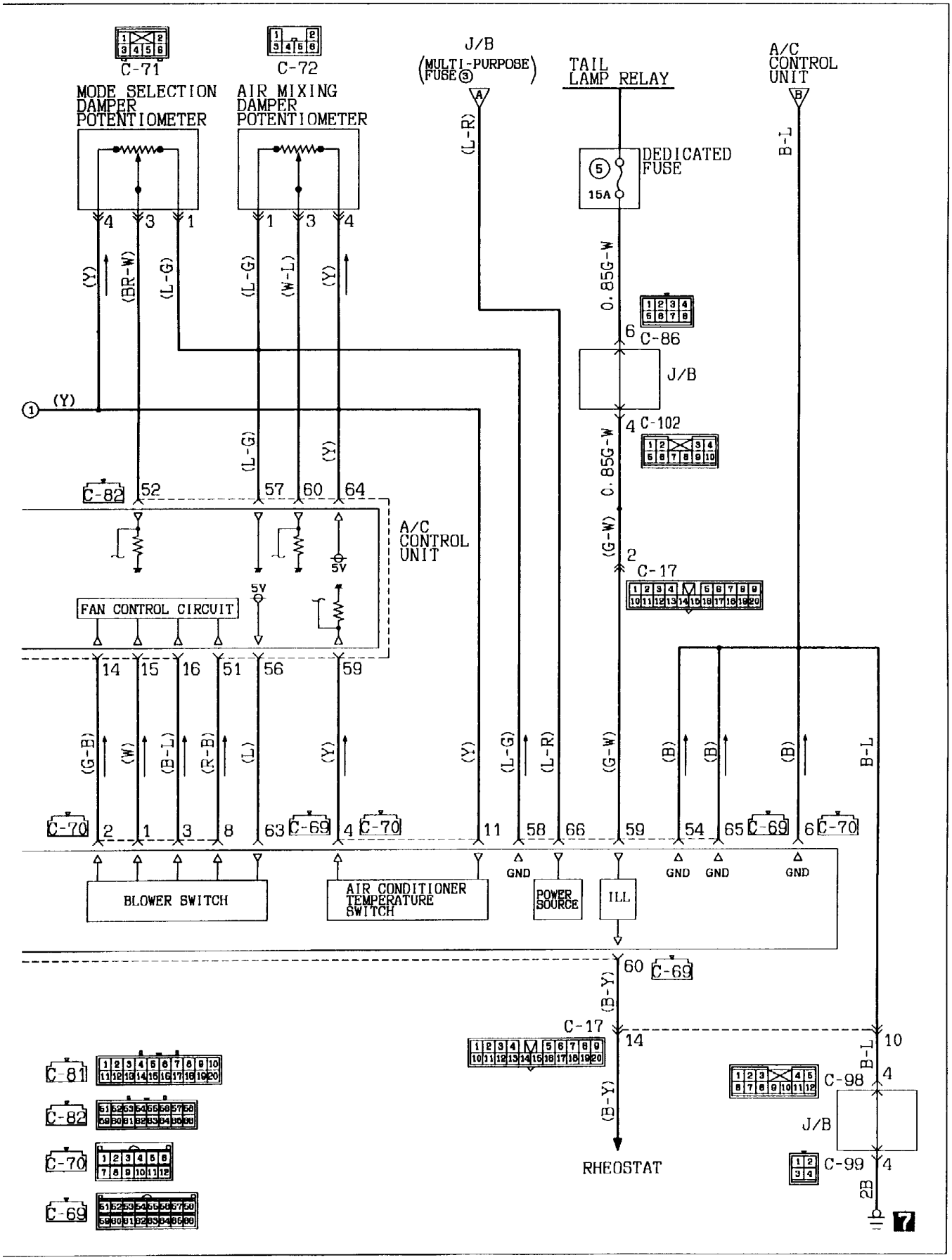
Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J1201A-EC

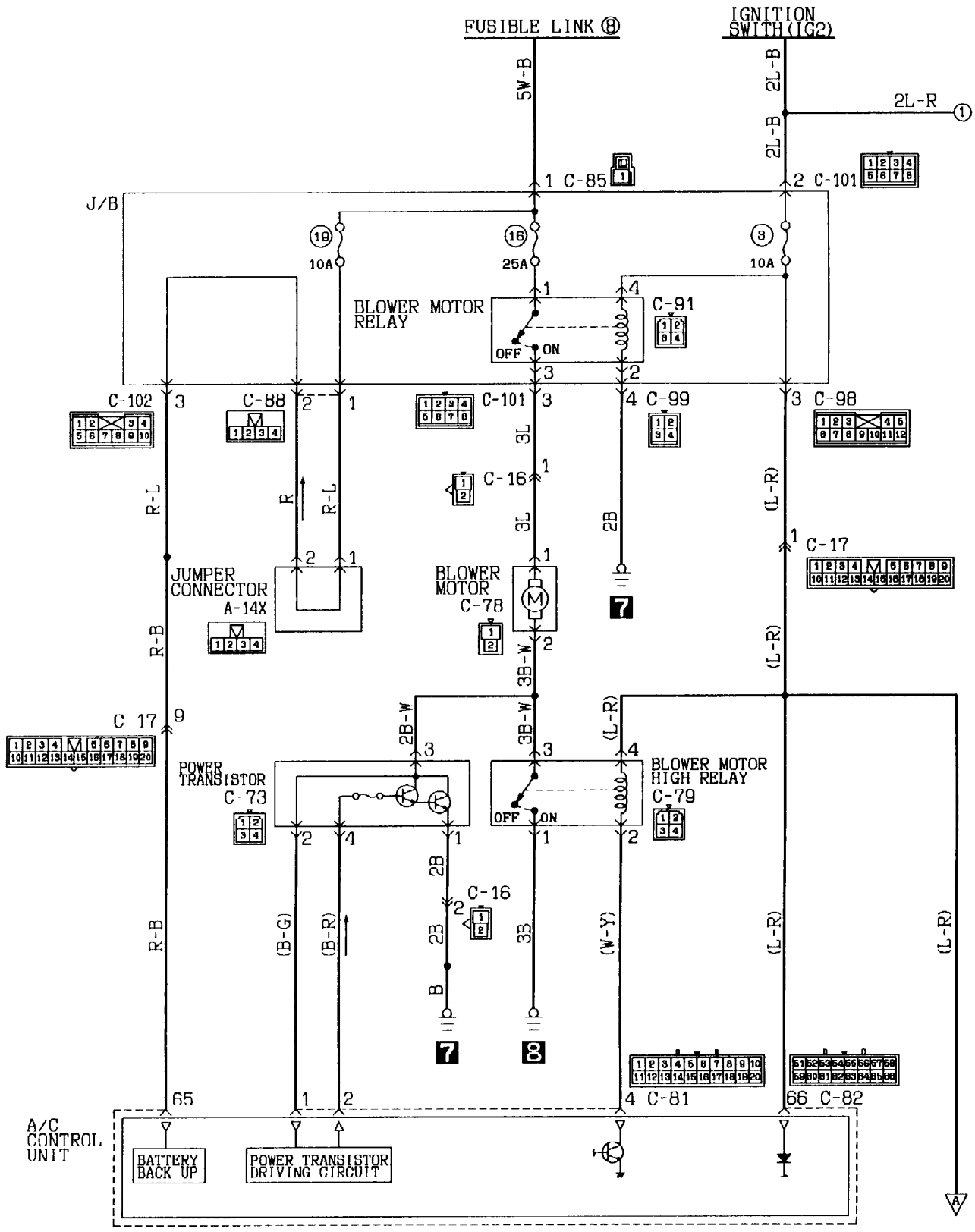




KX35-AC-J1201B-EC



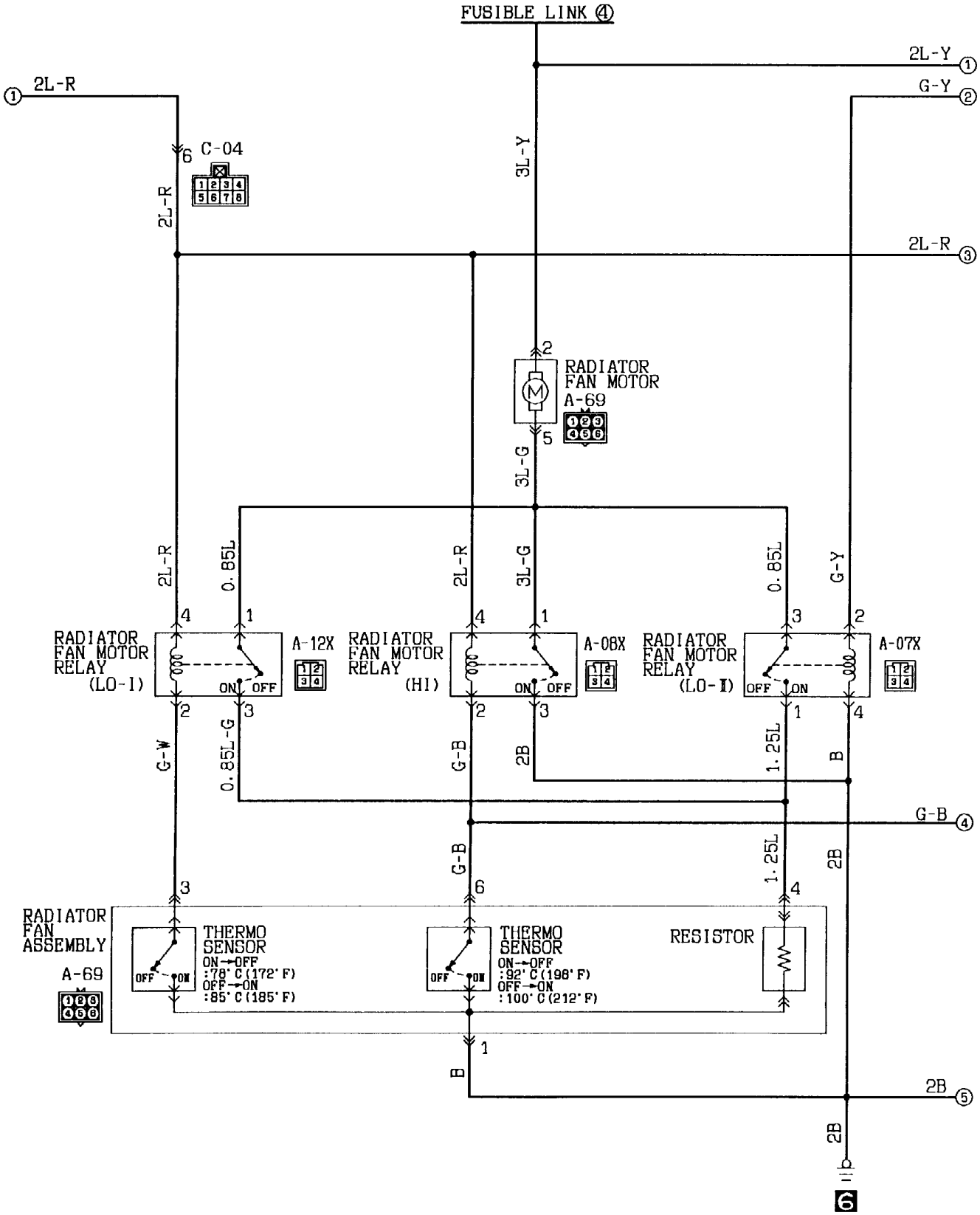
26-2 SOHC〈R.H. drive vehicles〉

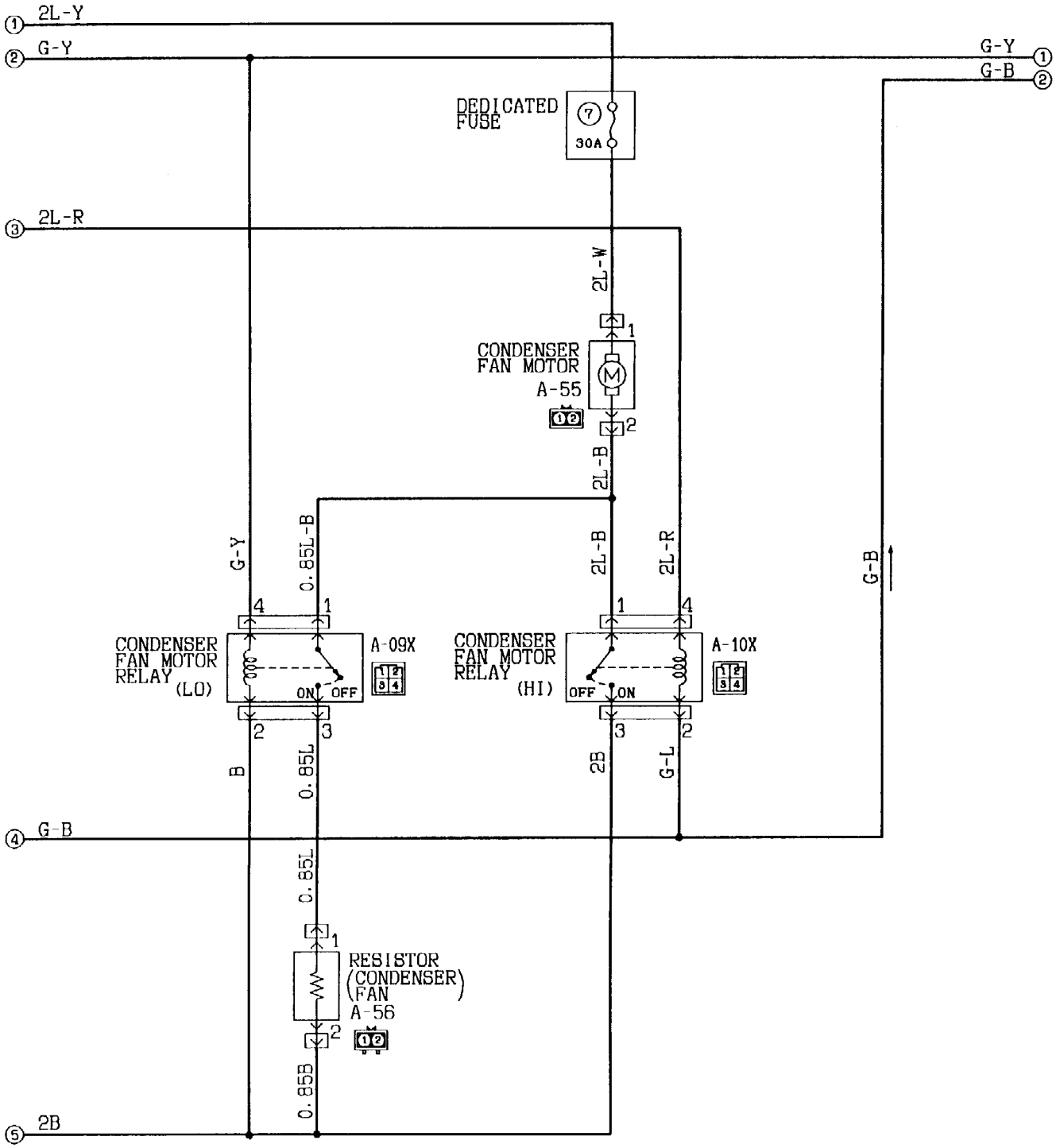


Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

KX35-AC-J1202-EC

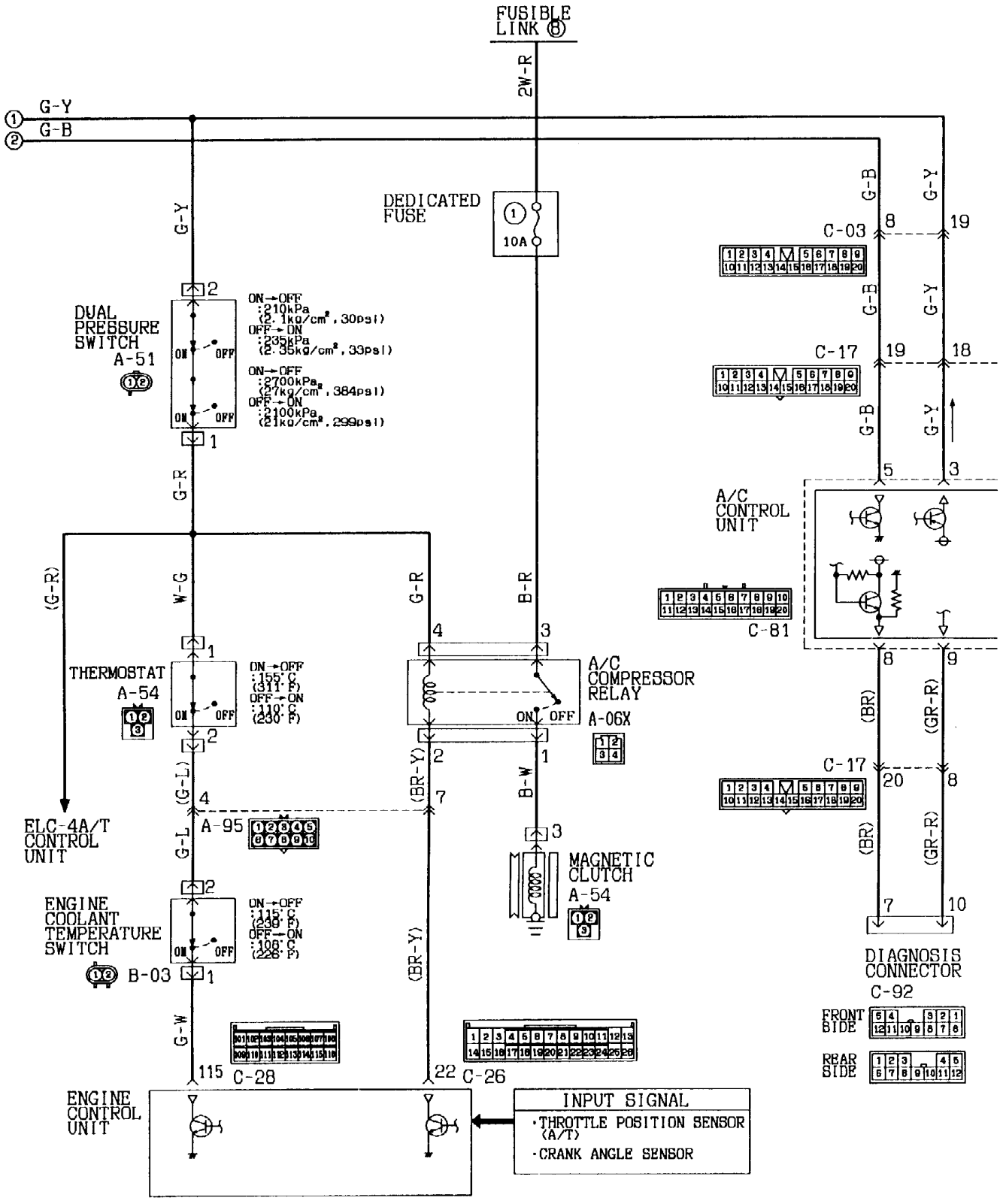

FUSIBLE LINK ④
2L-Y ①
G-Y ②
2L-R ③
G-B ④
2B ⑤
2B ⑥
2L-R ①
6 C-04
2L-R
3L-Y
2L-R
2
RADIATOR FAN MOTOR A-69
5
3L-G
0.85L
2L-R
3L-G
0.85L
G-Y
RADIATOR FAN MOTOR RELAY (LO-I)
A-12X
ON OFF
RADIATOR FAN MOTOR RELAY (HI)
A-08X
ON OFF
RADIATOR FAN MOTOR RELAY (LO-II)
A-07X
OFF ON
G-W
0.85L-G
G-B
2B
1.25L
B
G-B
G-B
1.25L
2B
RADIATOR FAN ASSEMBLY
A-69
THERMO SENSOR
ON→OFF :78° C (172° F)
OFF→ON :85° C (185° F)
THERMO SENSOR
ON→OFF :92° C (198° F)
OFF→ON :100° C (212° F)
RESISTOR
B
2B
2B

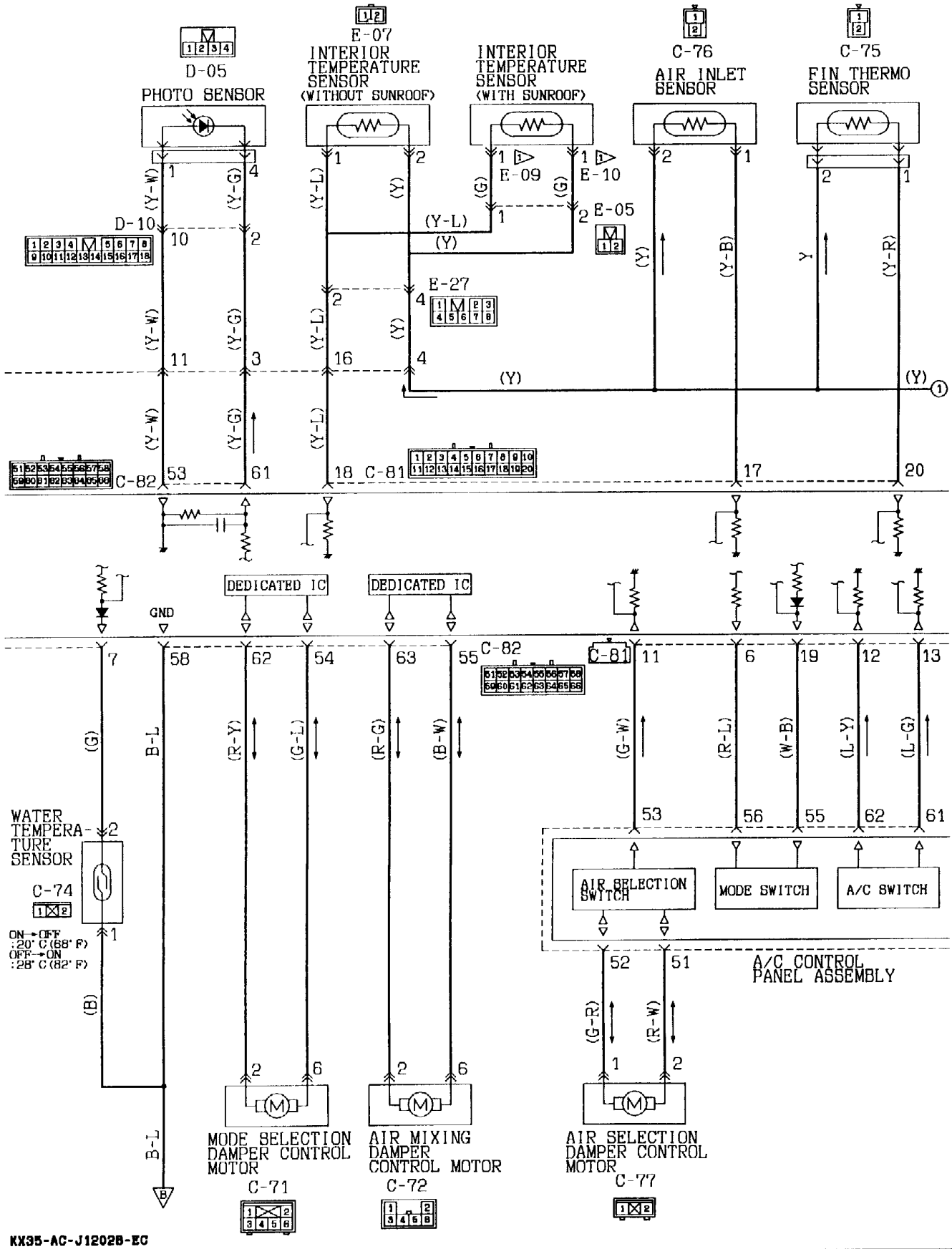


Wire colour code

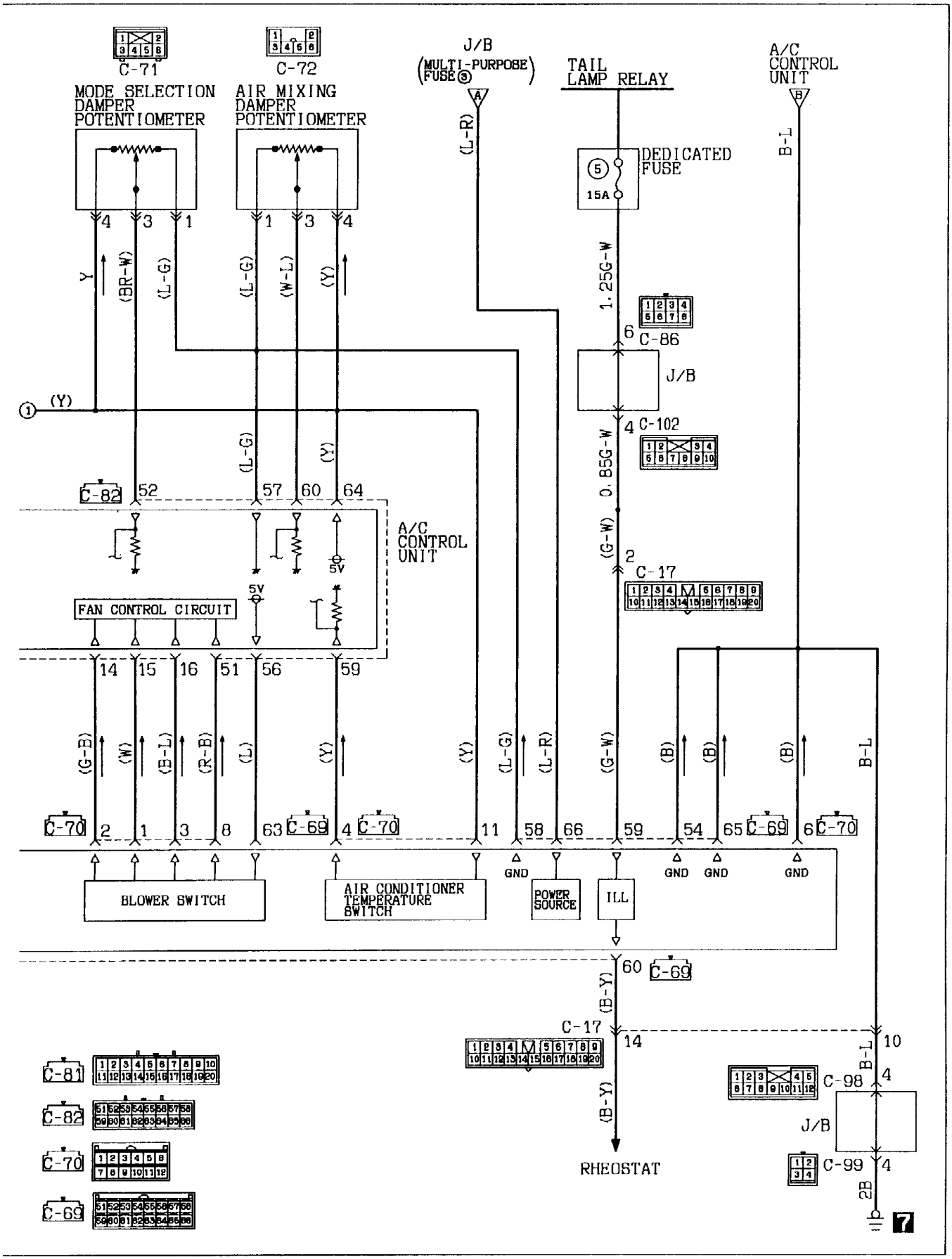
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

KX35-AC-J1202A-EC

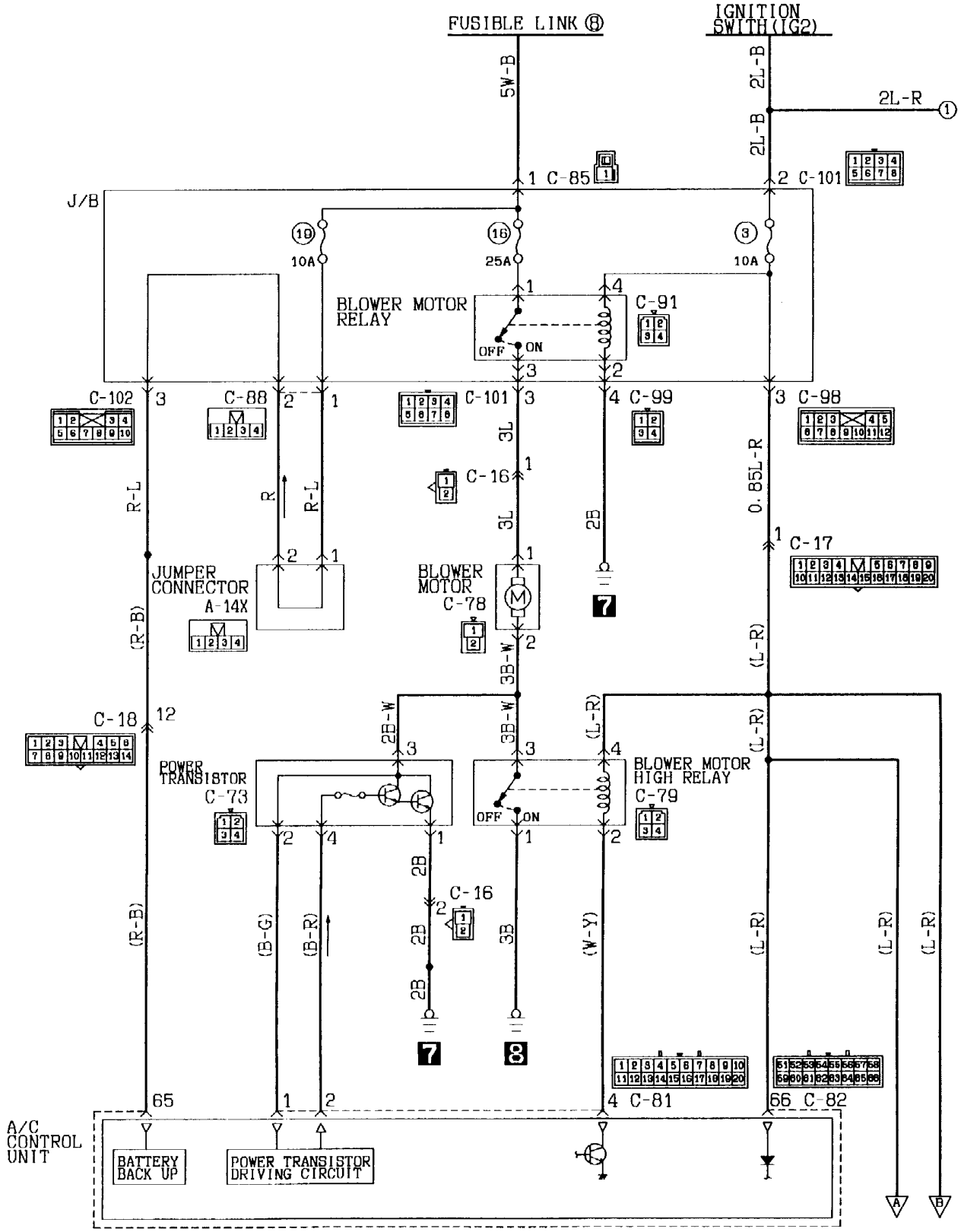




KX35-AC-J1202B-EC

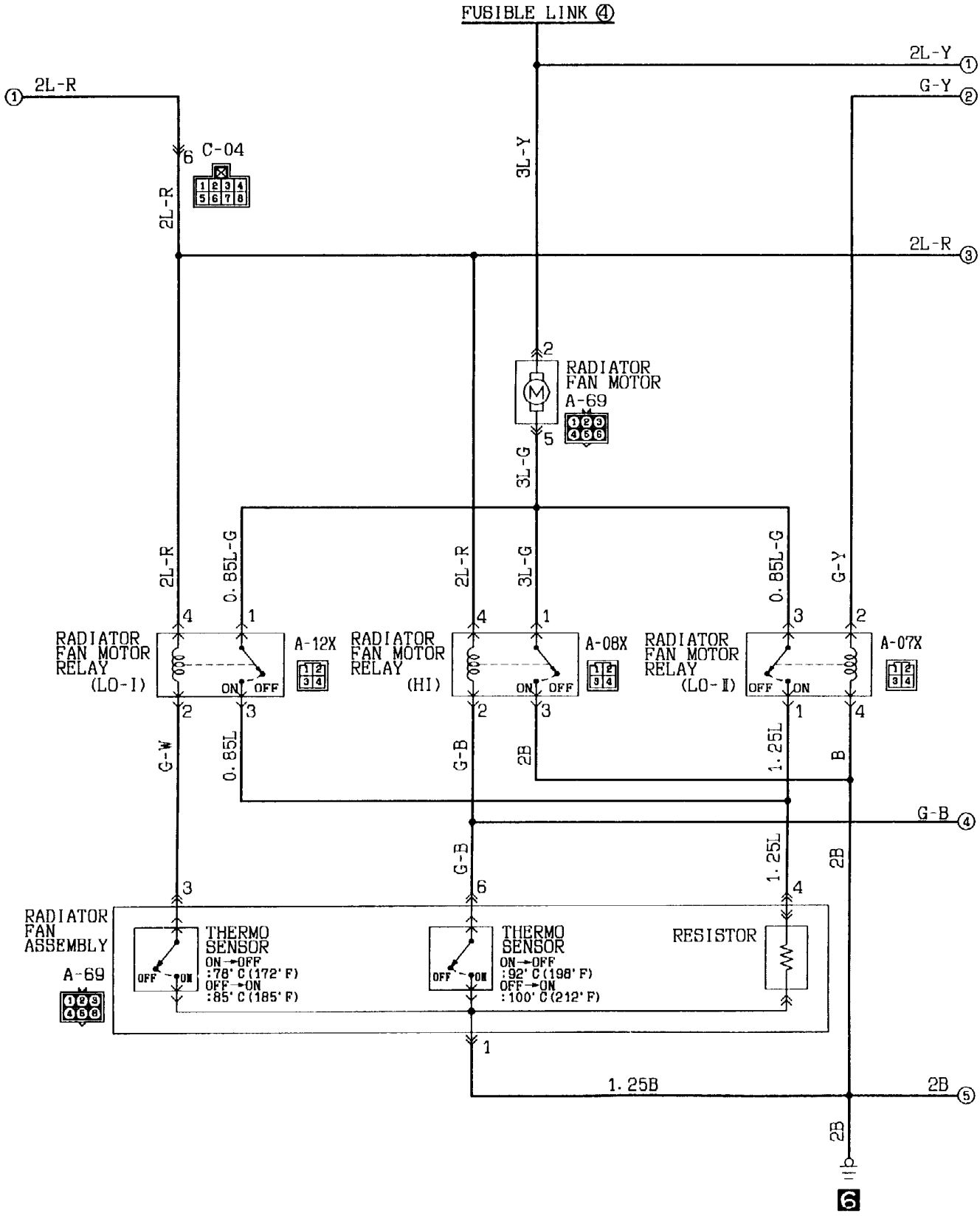


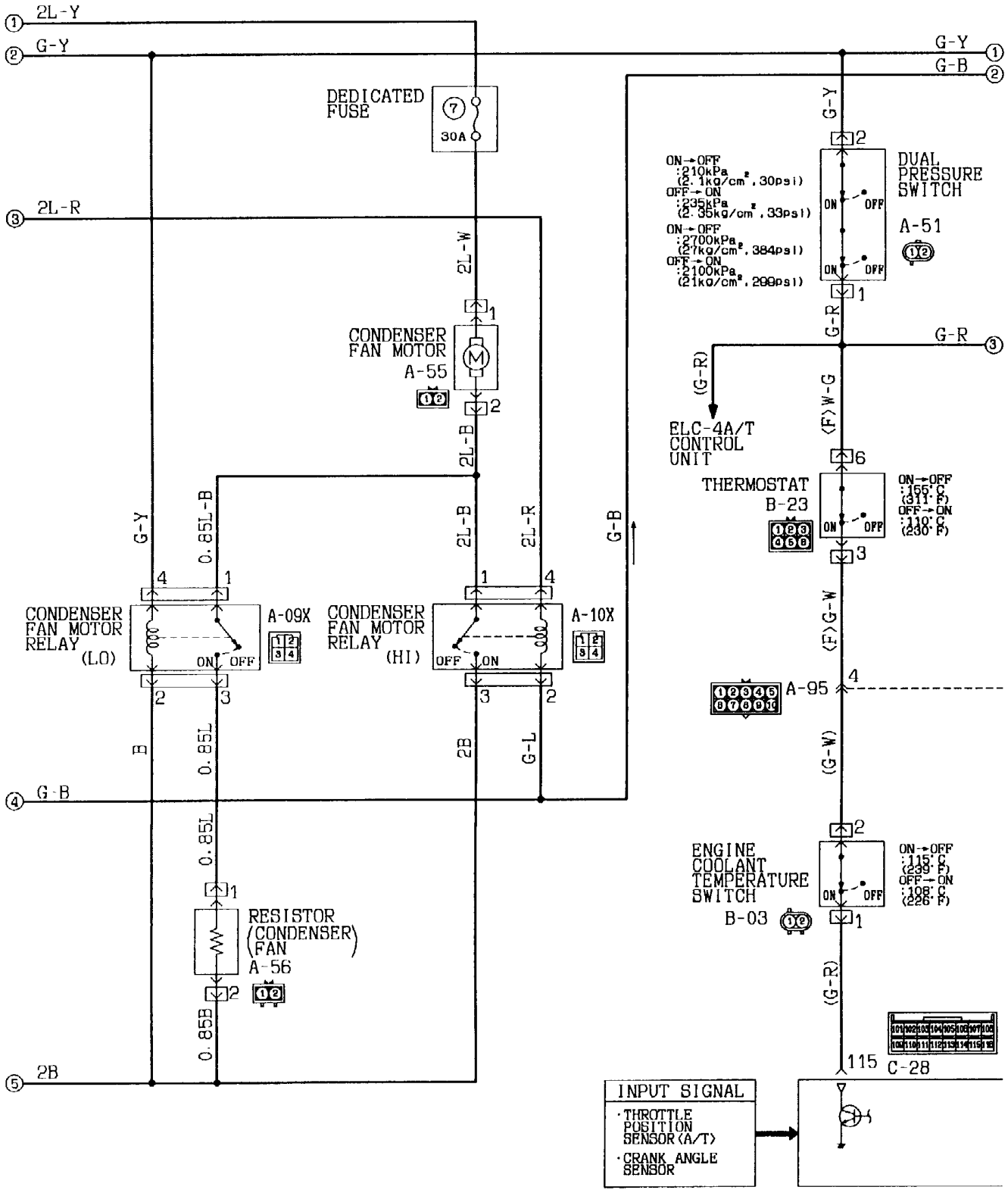
26-3 DOHC<L.H.drive vehicles>



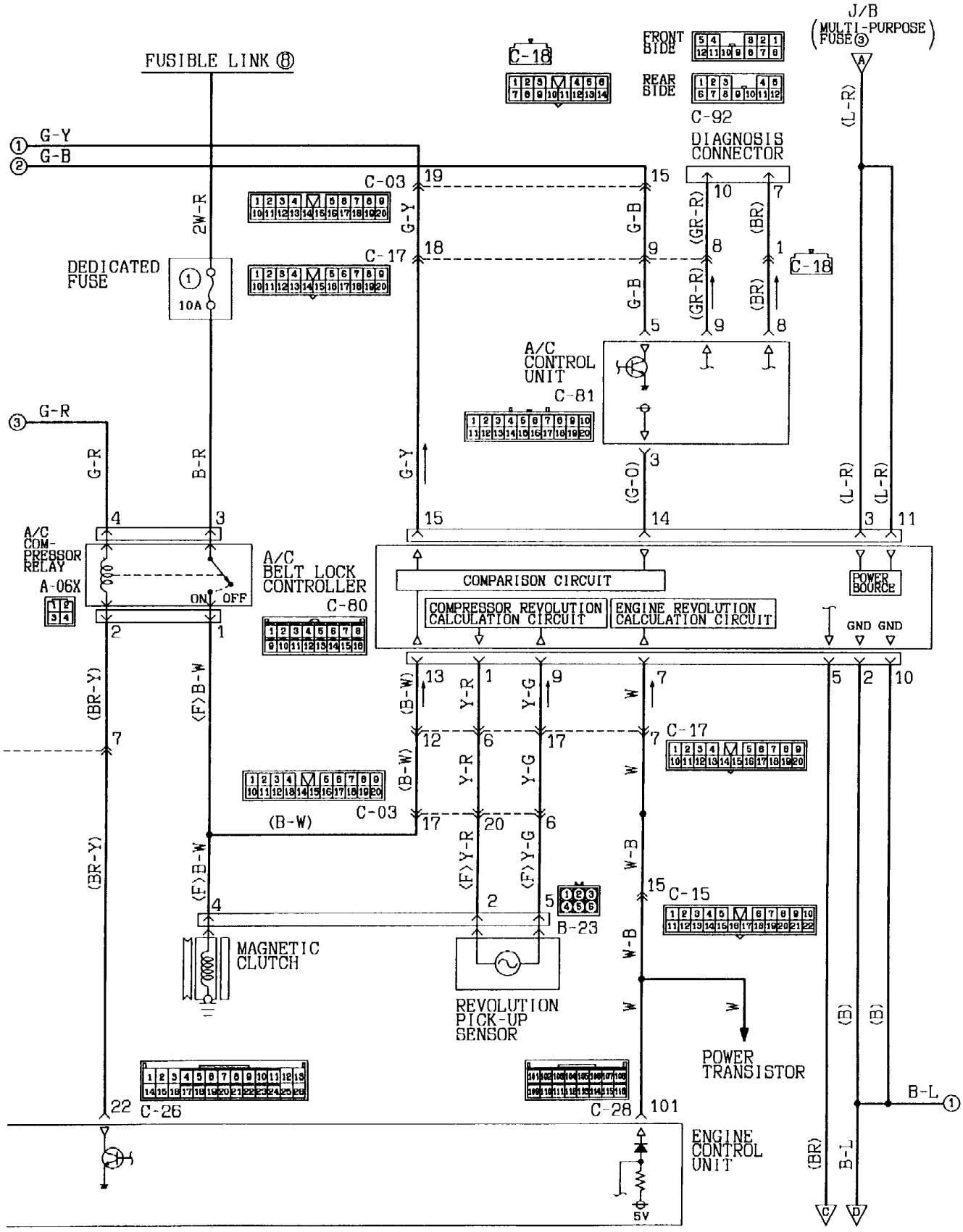
Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

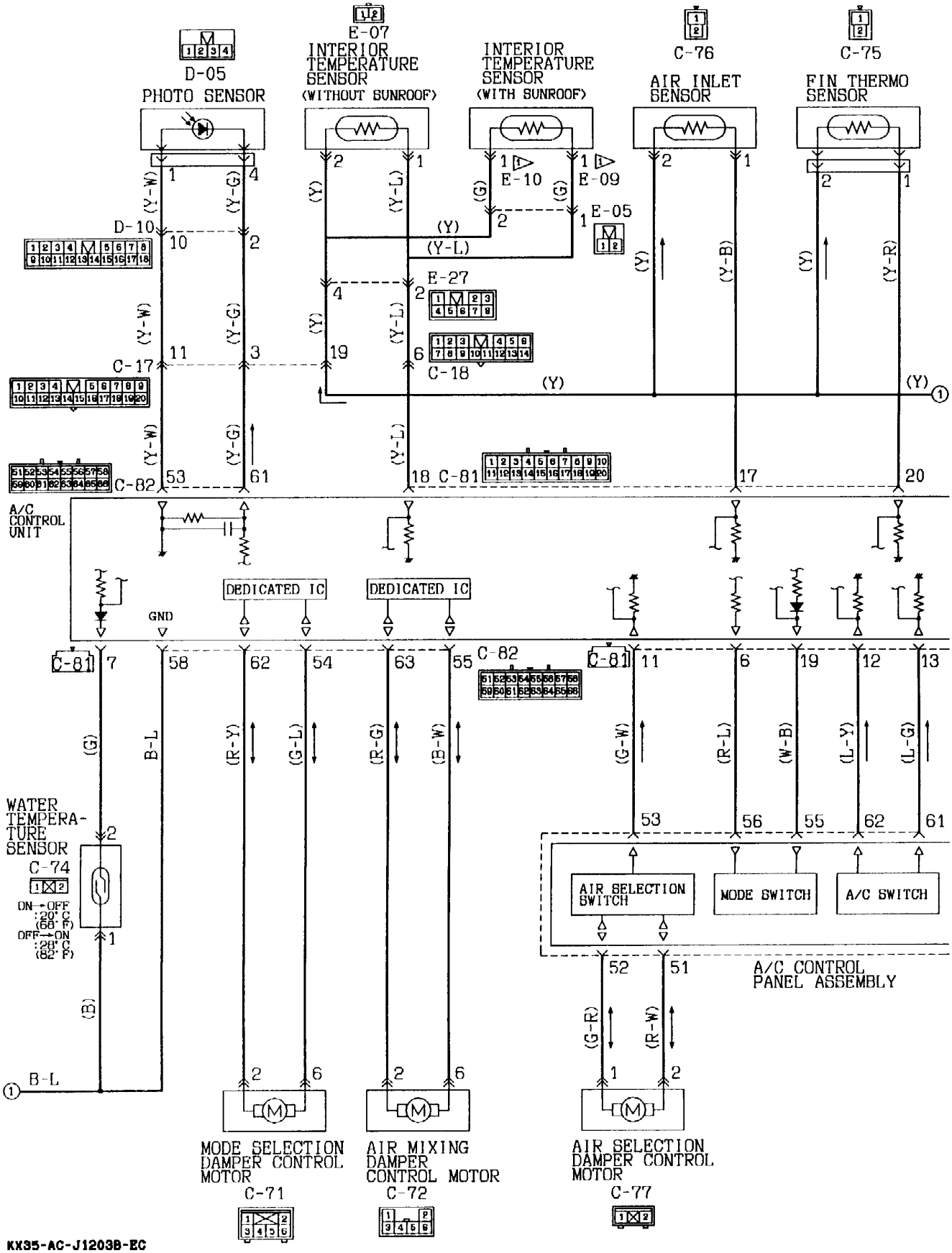
KX35-AC-J1203-EC



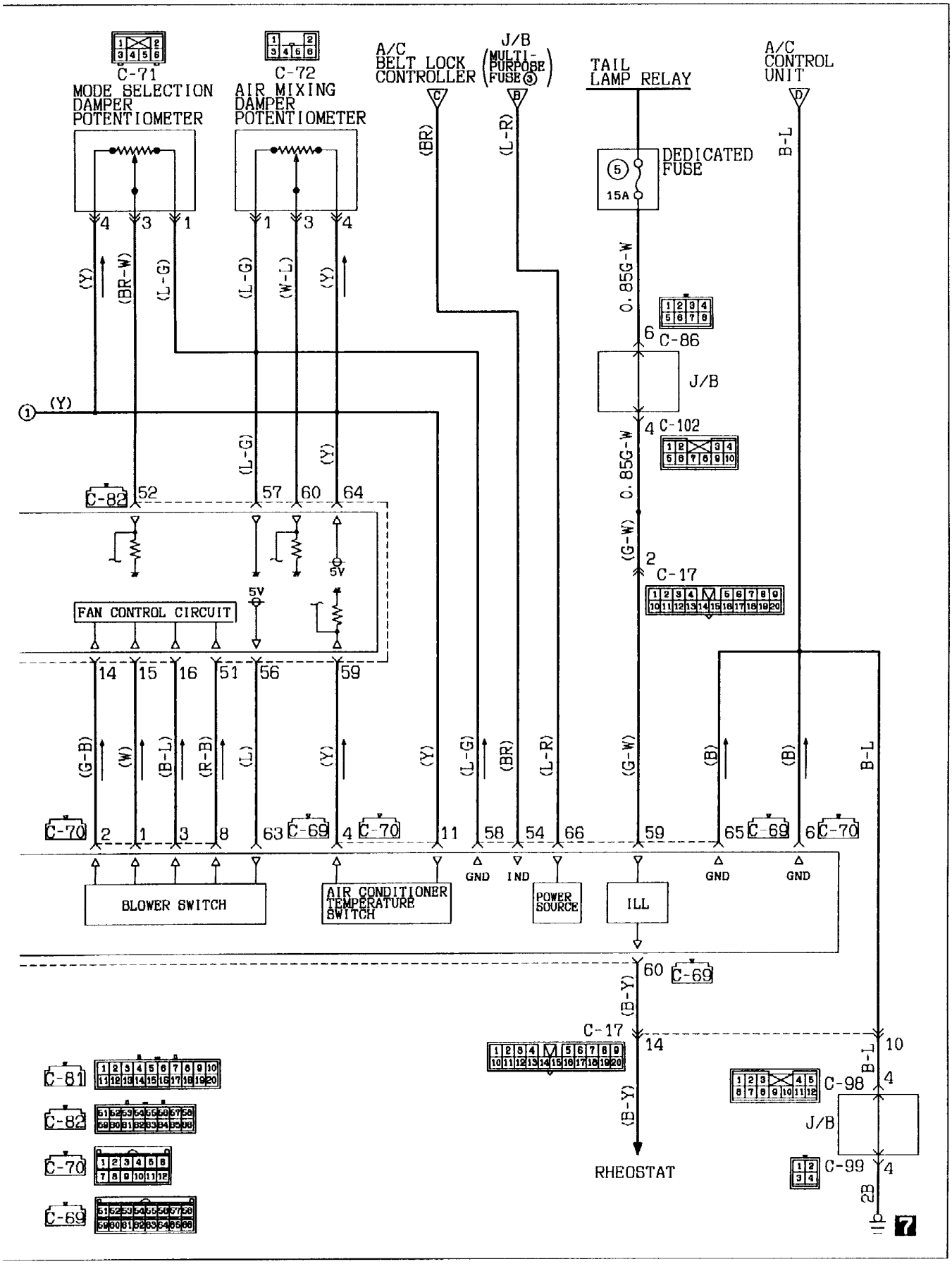


KX35-AC-J1203A-EC

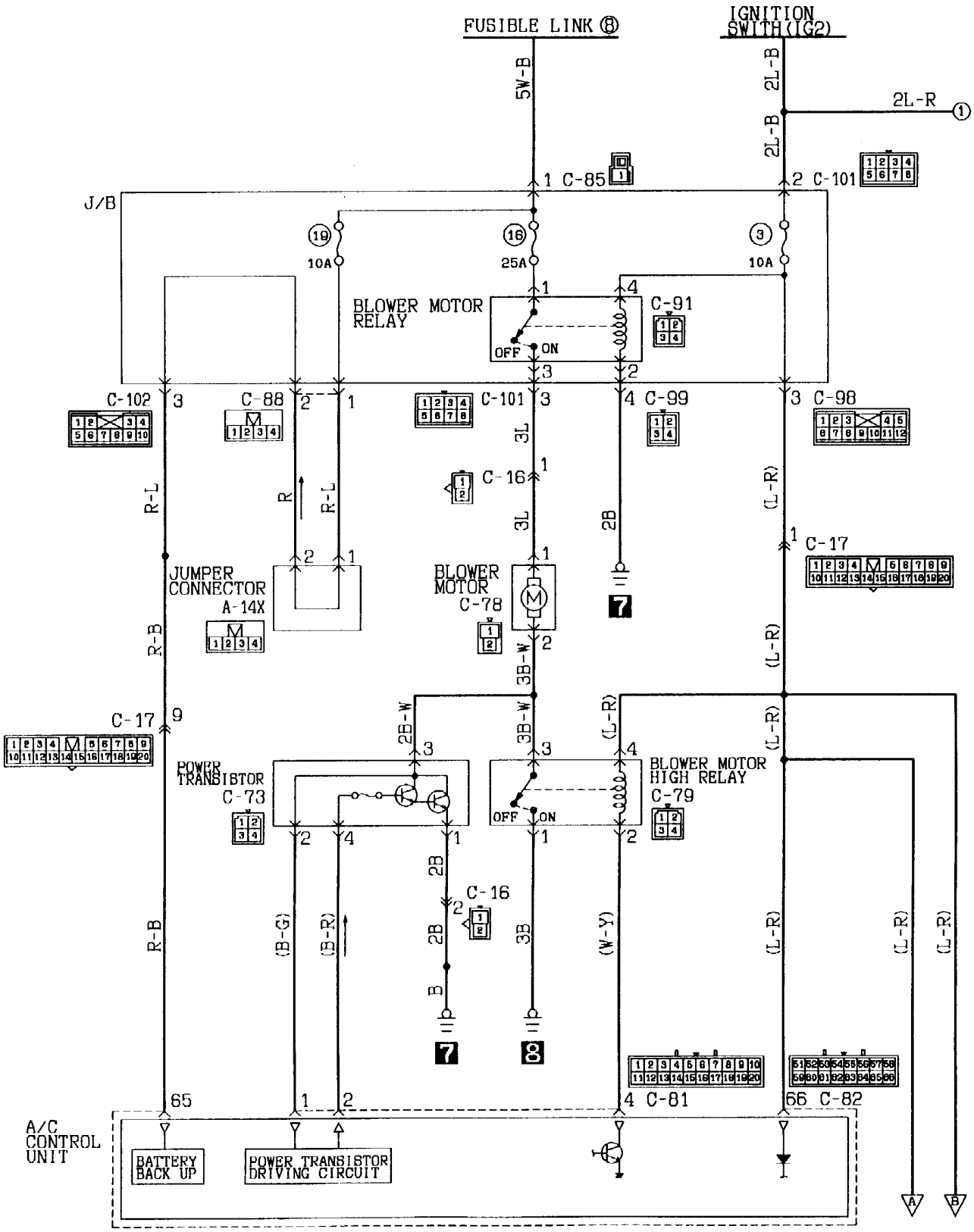




KX35-AC-J1203B-EC

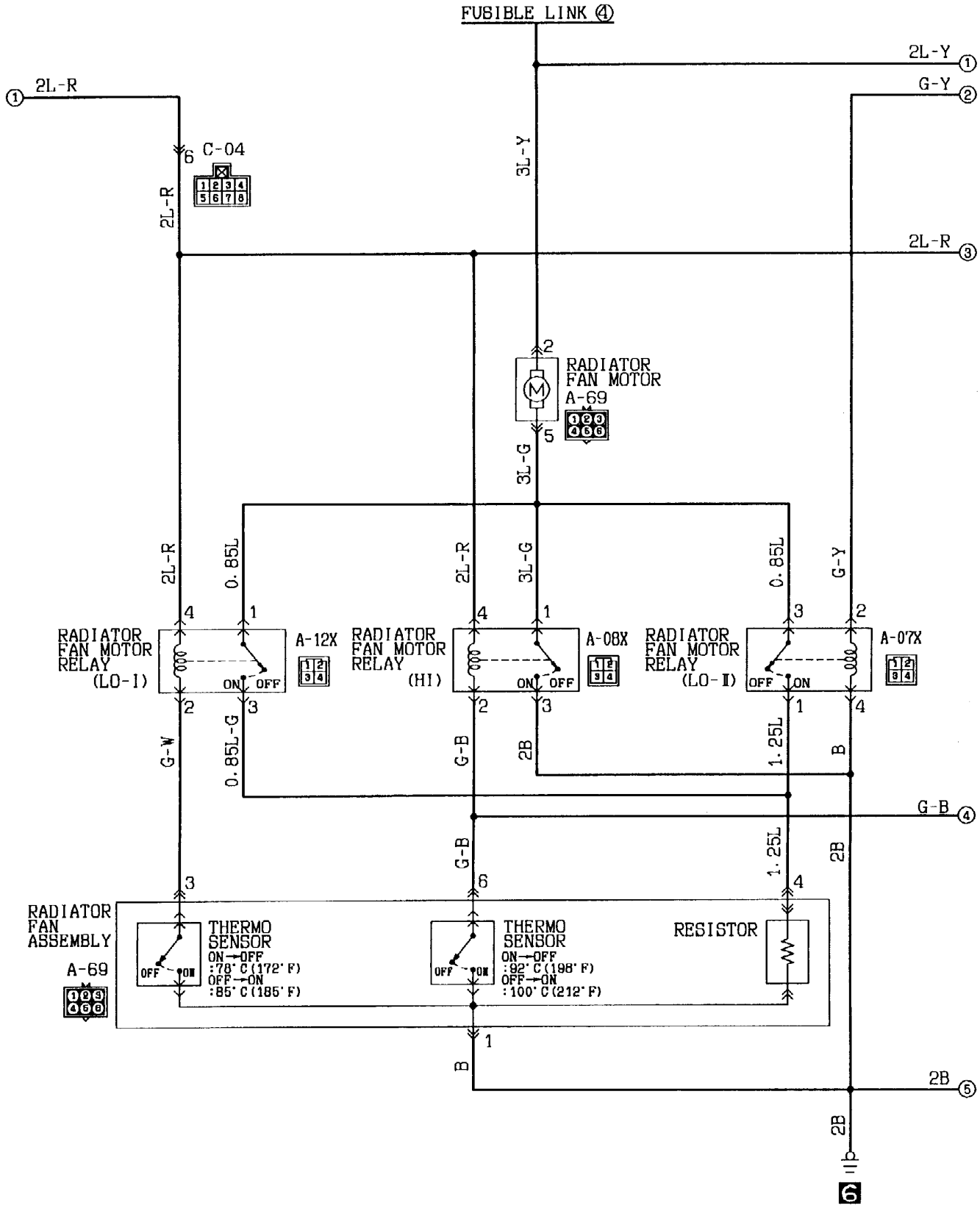


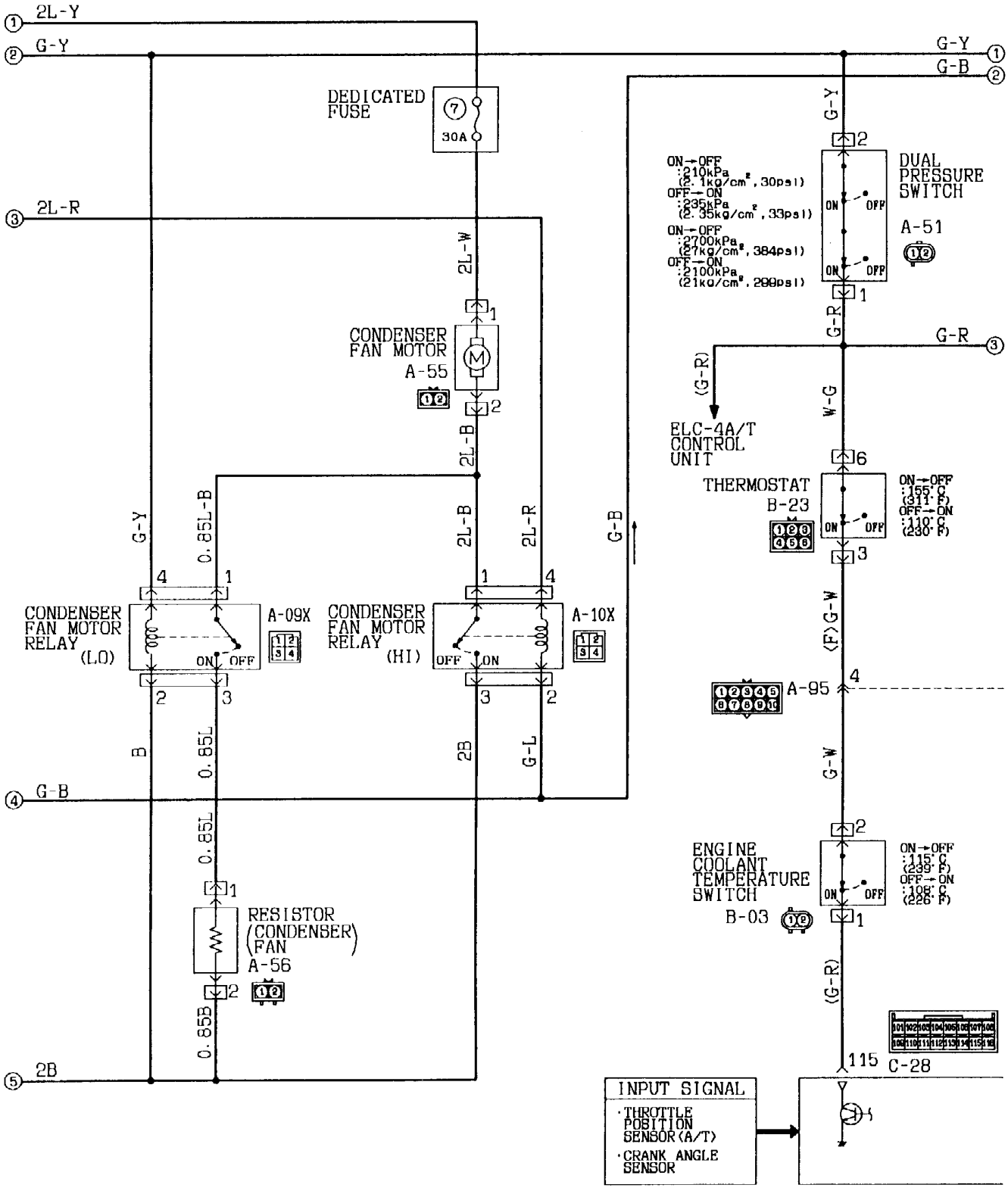
26-4 DOHC<R.H. drive vehicles>



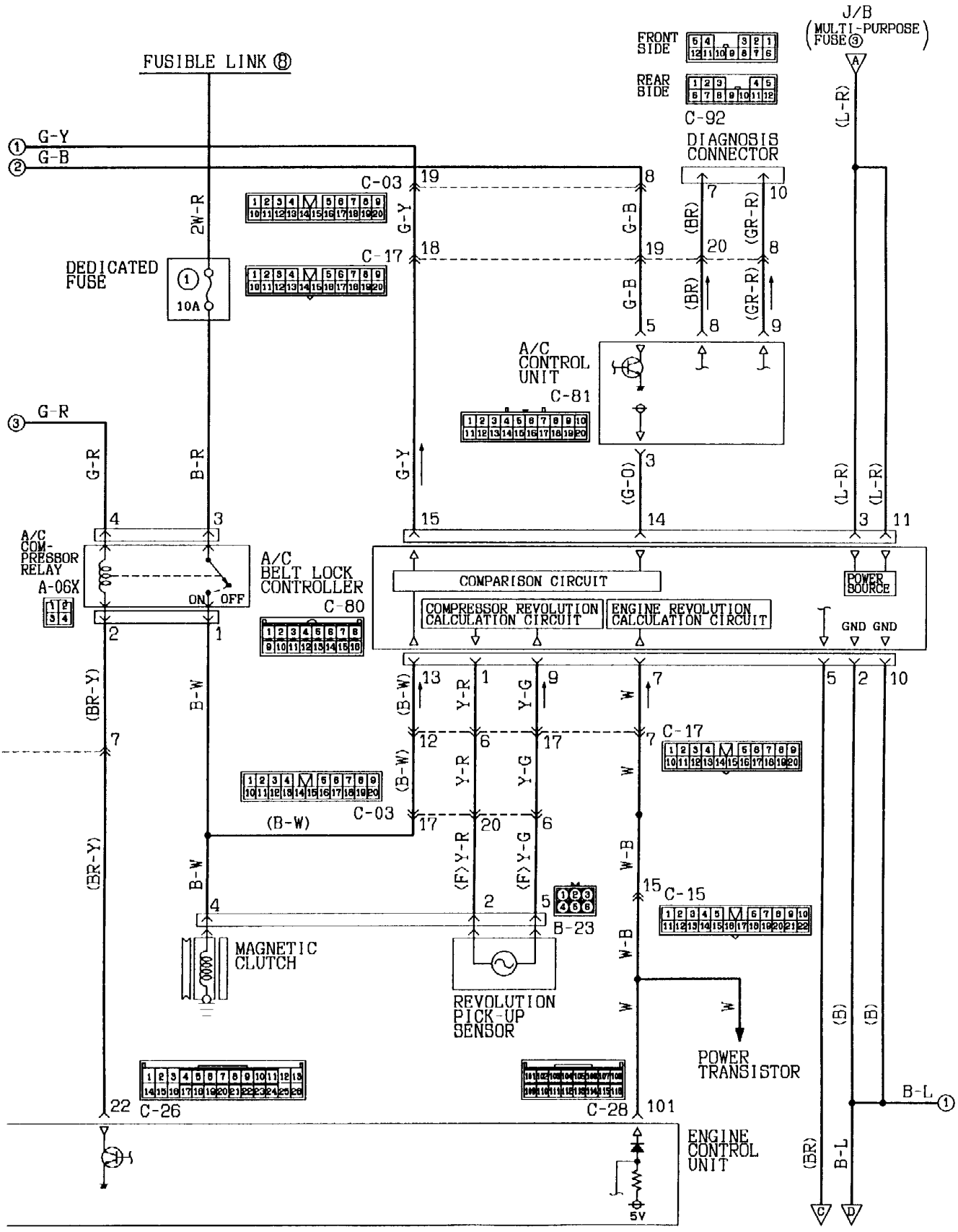
Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

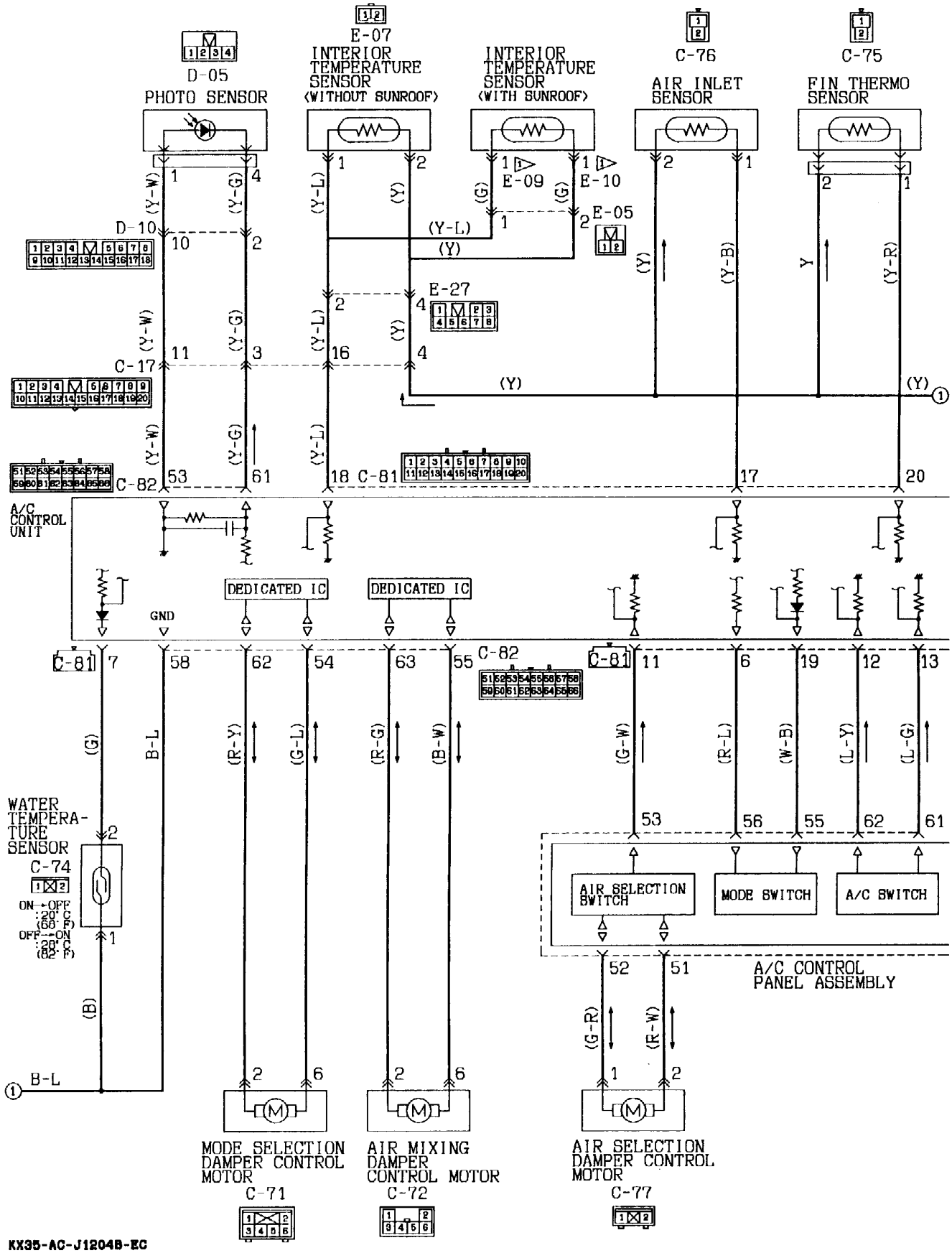
KX35-AC-J1204-EC



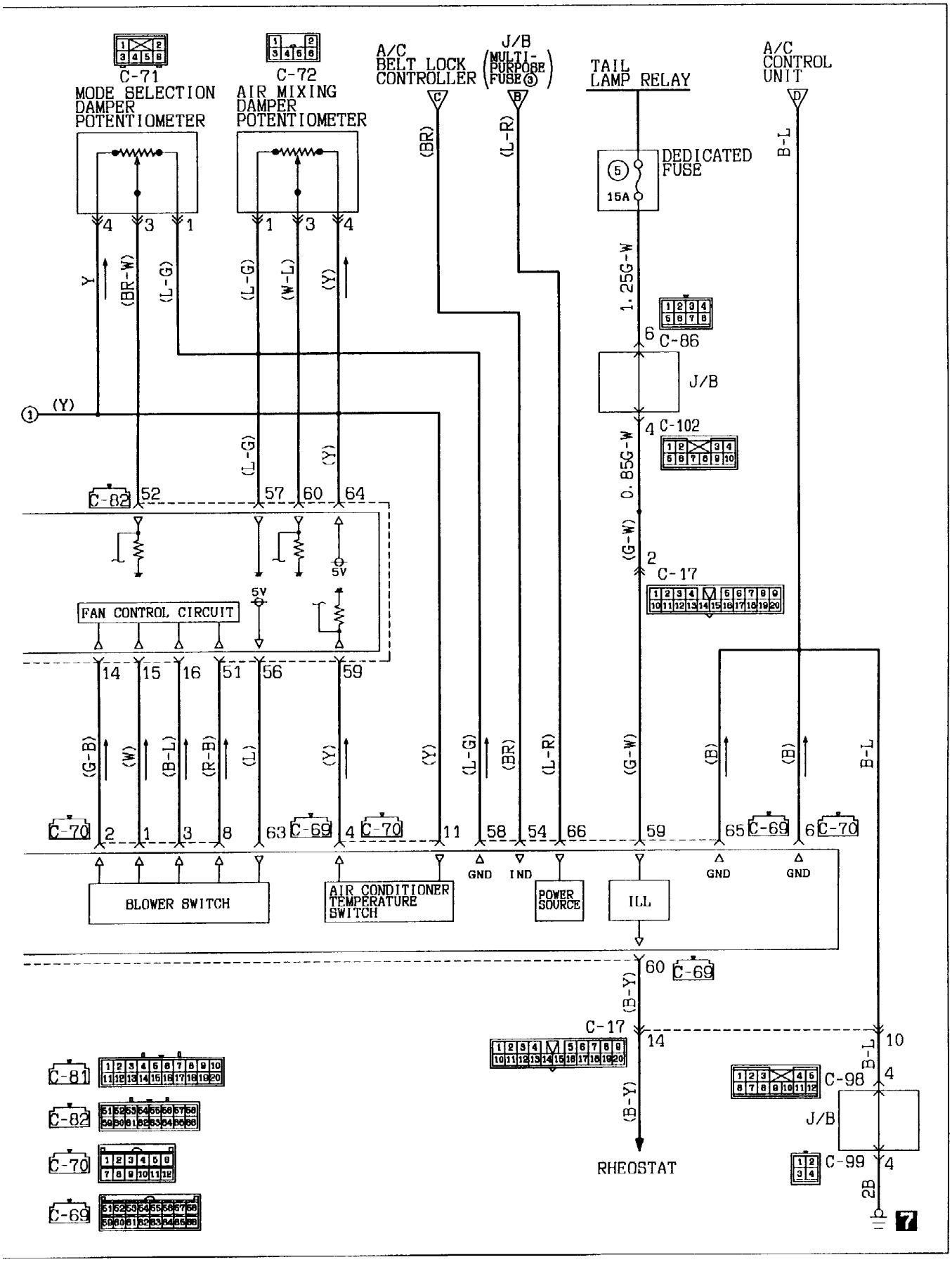


KX35-AC-J1204A-EC



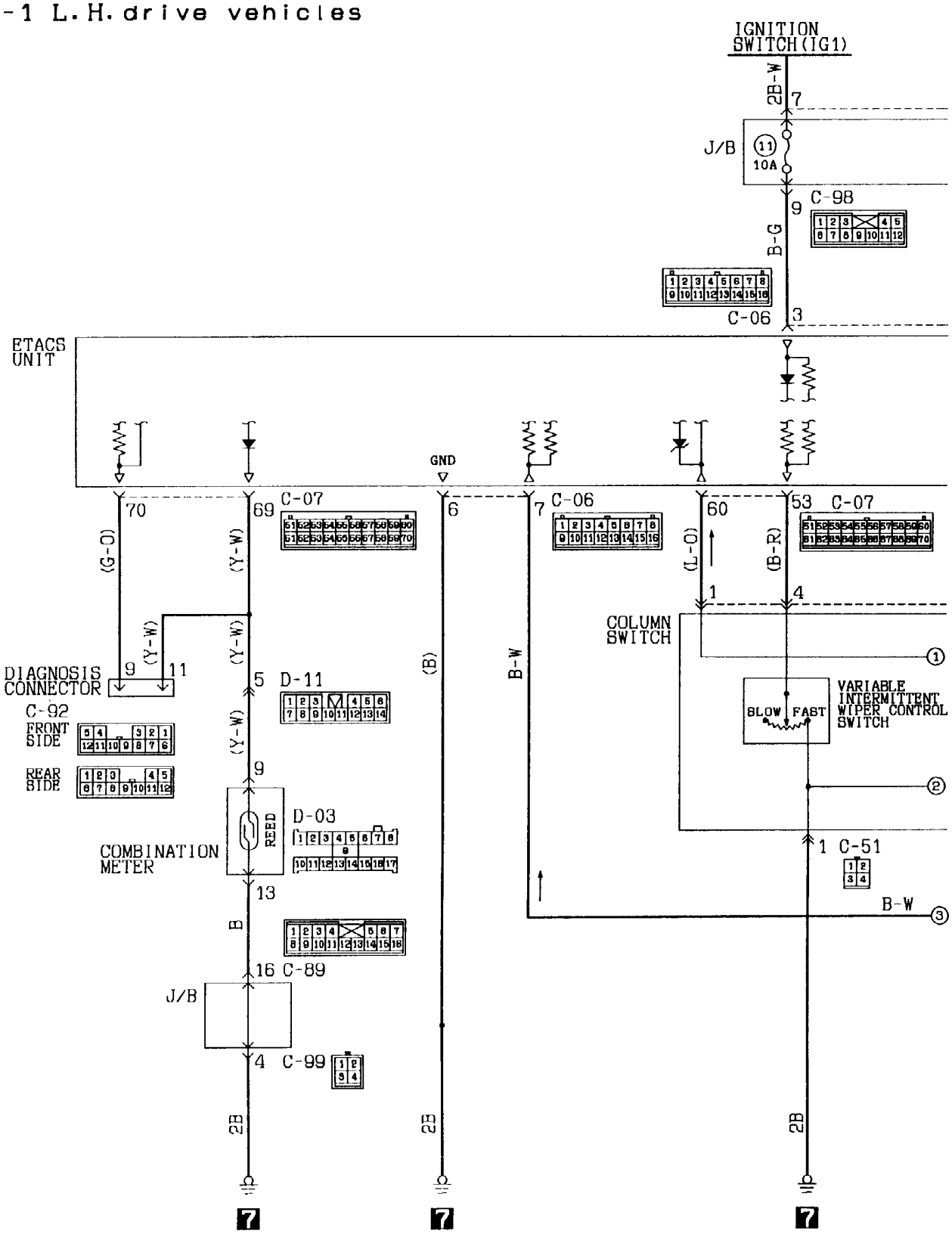


KX35-AC-J1204B-EC



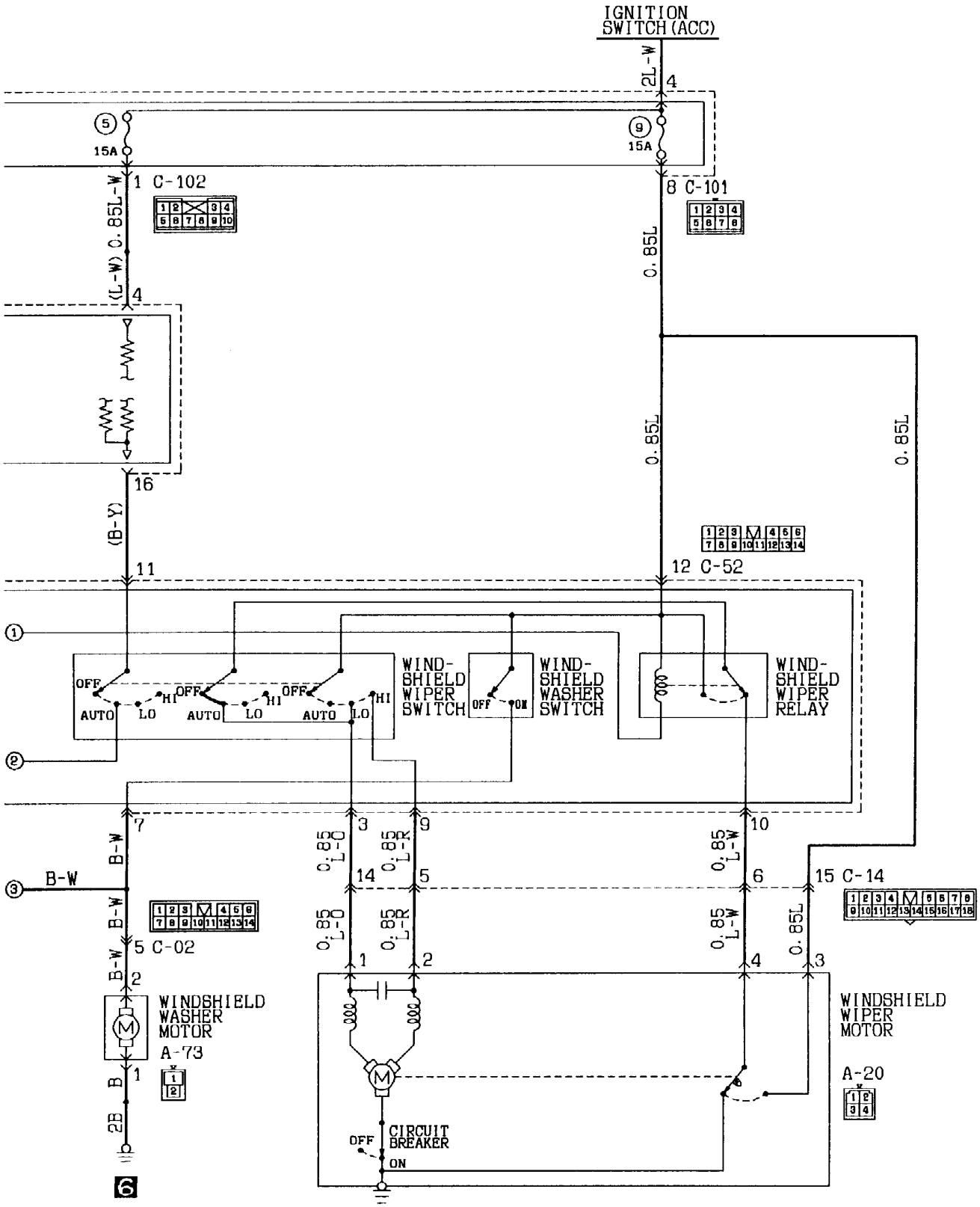
27 WINDSHIELD WIPER AND WASHER CIRCUIT

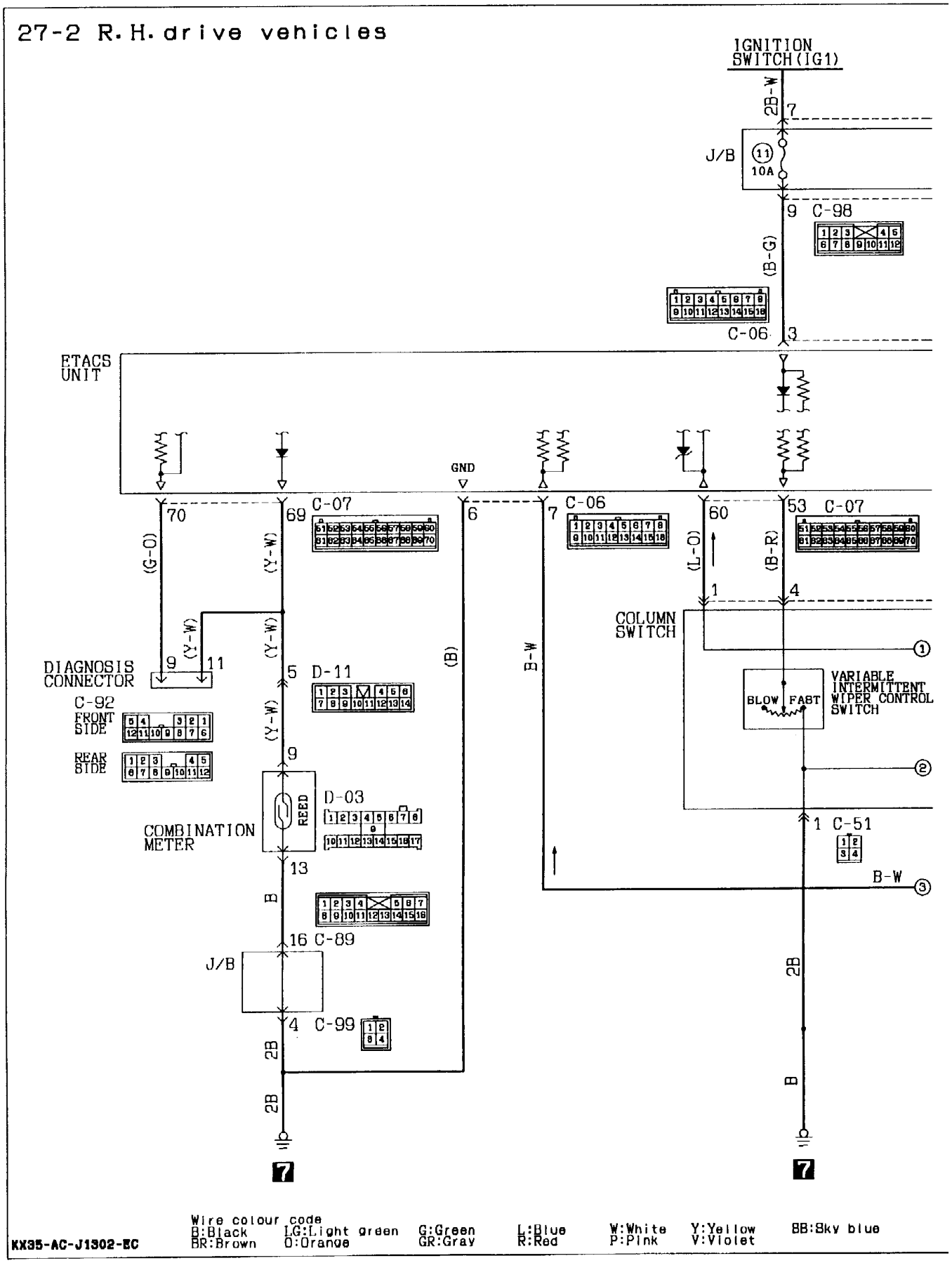
27-1 L.H. drive vehicles

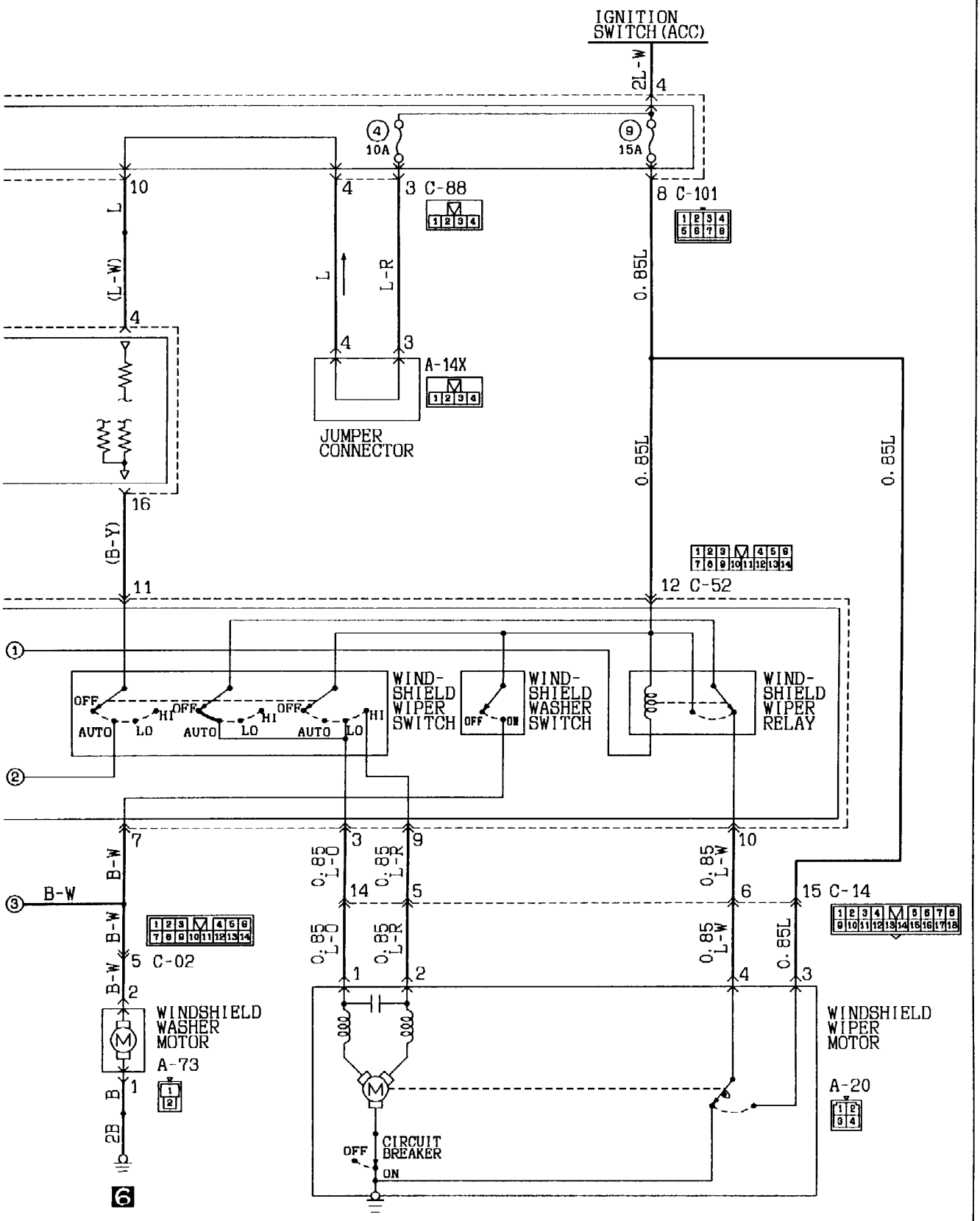


Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

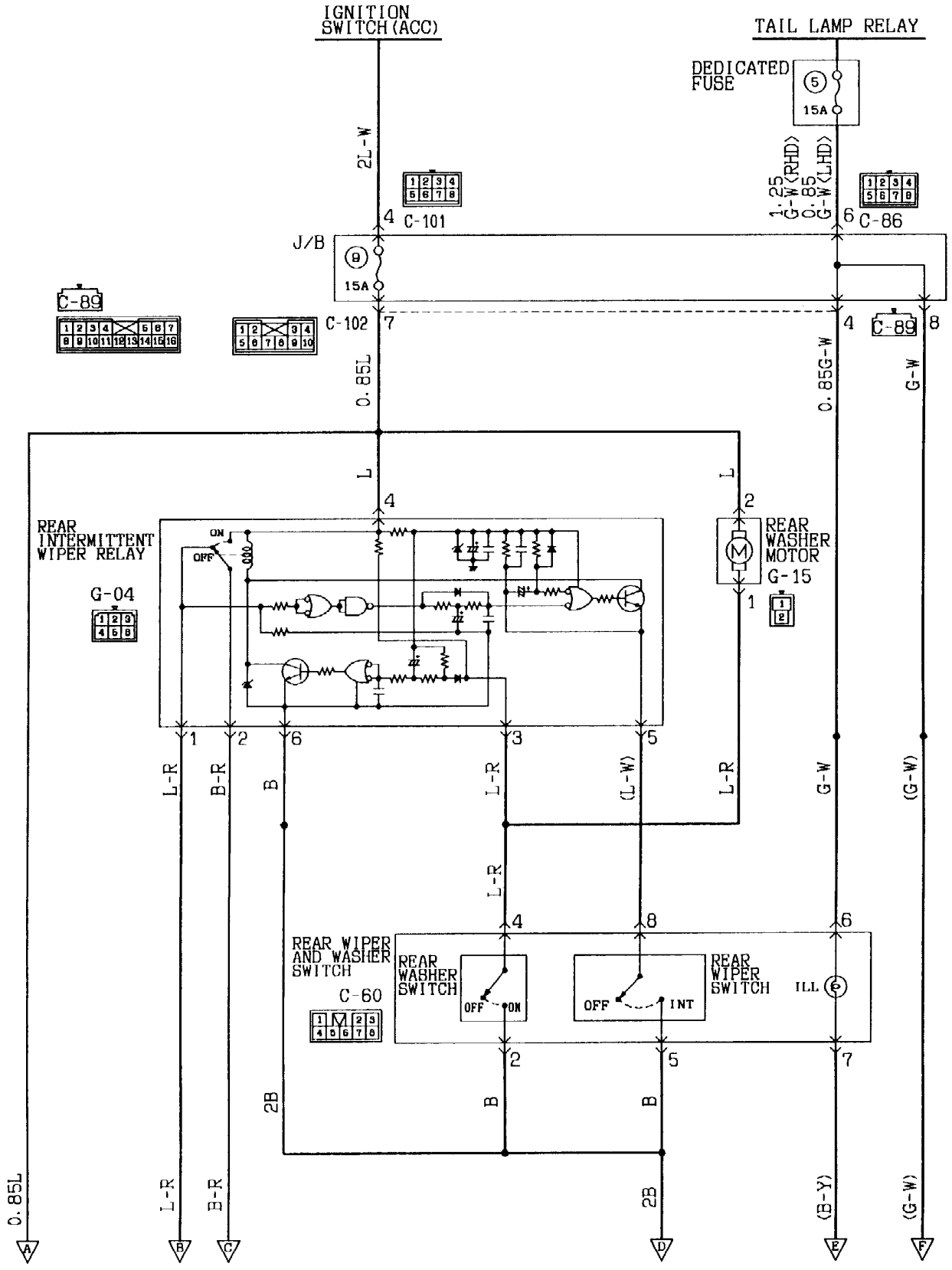
KX35-AC-J1301-EC



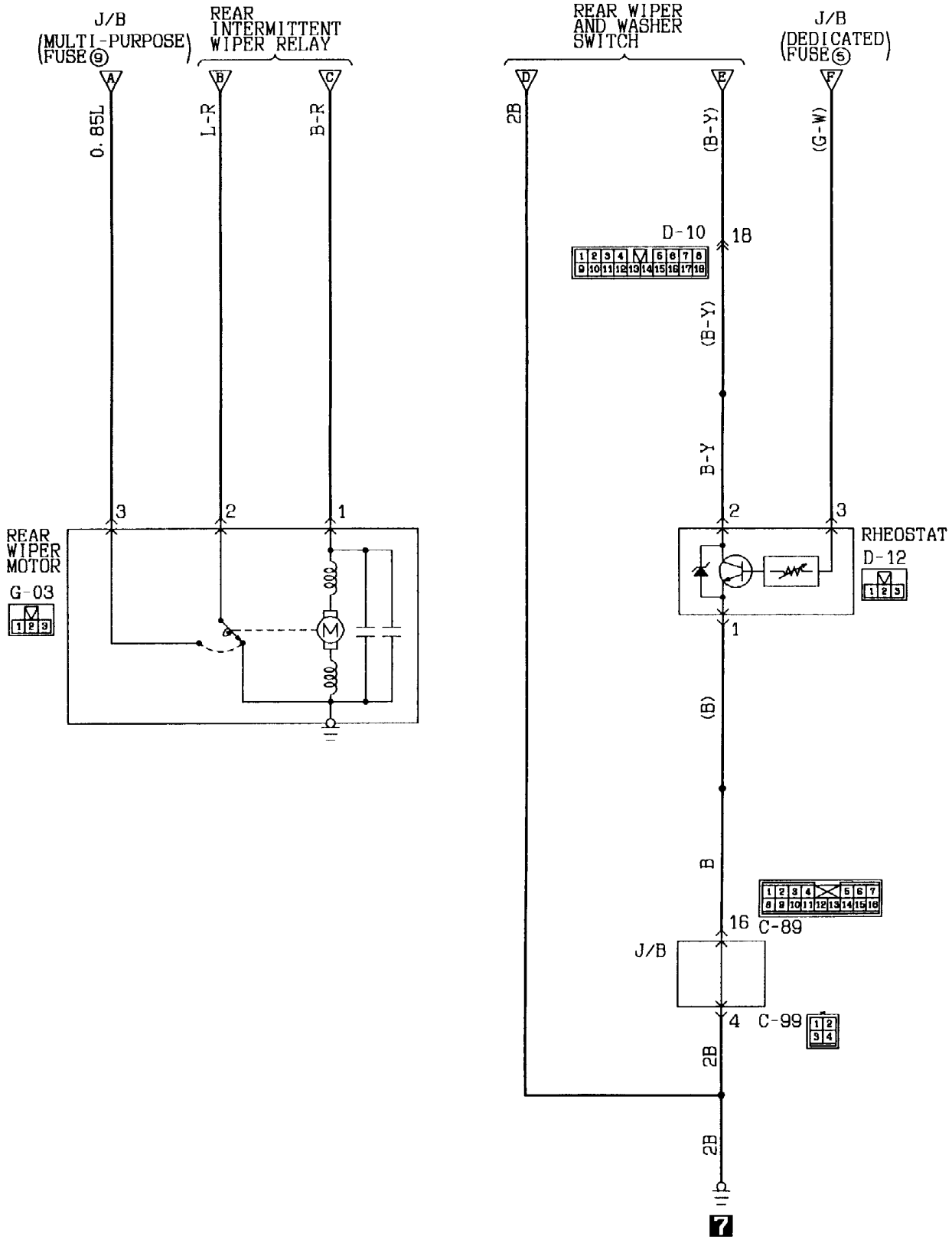




28 REAR WIPER AND WASHER CIRCUIT



KX35-AC-J1303-EC



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

REAR WIPER AND WASHER CIRCUIT (See P. 4-176.)

OPERATION

<Intermittent wiper operation>

- When the rear wiper switch is placed in the "INT" position with the ignition switch in "ACC" or "ON" position, the rear intermittent wiper relay is energized causing the rear intermittent wiper relay contacts to close and open repeatedly.
- When the contacts are closed, the rear wiper motor is energized.
- When the rear wiper motor is energized, the relay contacts open; however, the cam contacts keep the wiper motor energized until the wiper blades return to their stop position.

<Washer-Wiper operation>

- When the washer switch is turned ON, the intermittent wiper relay contacts close causing wipers to operate once.

Remark

- The washer-wiper operates in the priority even during intermittent operation of the wiper.

TROUBLESHOOTING HINTS

1. Wipers do not operate.
   1) Windshield wiper is not operative, either.
      - Check multi-purpose fuse No. ⑨.
   2) Windshield wiper is operative.
      - Check wiper motor.
      - Check rear wiper switch.
      - Check rear intermittent wiper relay.
2. Intermittent wiper operation is inoperative.
   - Check terminal voltage of intermittent wiper relay with the intermittent wiper relay energized.

Terminal No.	Voltage	Check
2	0V	Intermittent wiper relay or wiper switch
	Battery voltage	Intermittent wiper relay
	0V ⟷ Battery voltage (alternating)	– (Normal)

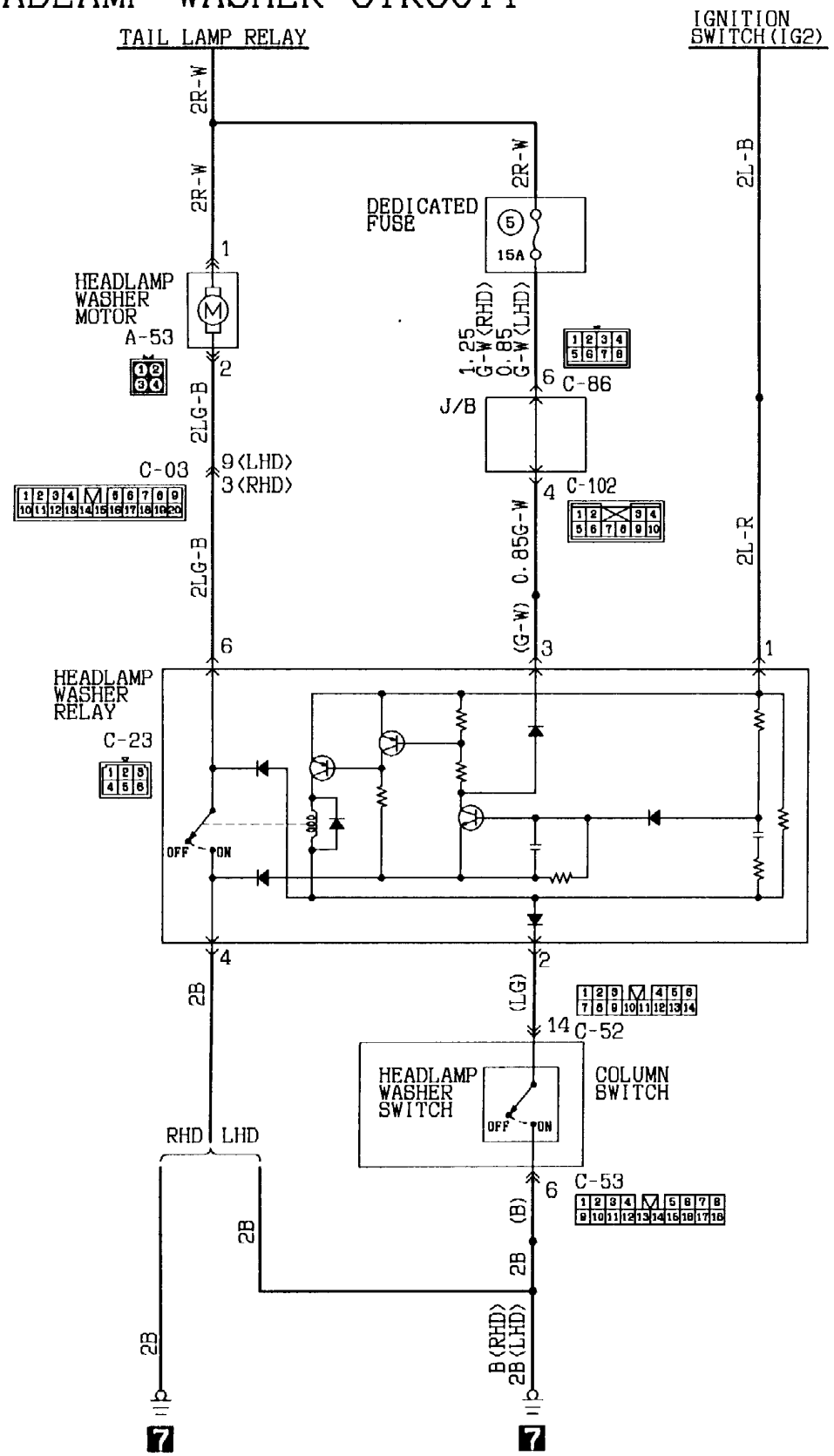
3. Wipers do not stop.
   - Check wiper motor.
   - Check rear intermittent wiper relay.
   - Check rear wiper switch.
4. Washer is inoperative.
   1) Wiper is operative on washer-wiper operation.
      - Check washer motor.
   2) Washer-wiper operation is inoperative also.
      - Check washer switch.
5. Washer-wiper operation is inoperative.
   - Check rear intermittent wiper relay.

HEADLAMP WASHER CIRCUIT (See P. 4-149.)

OPERATION

- When the headlamp washer switch is turned ON with ignition switch in ON and lighting switch in TAIL or HEAD position, the headlamp washer relay is energized causing the headlamp washer motor to start.

29 HEADLAMP WASHER CIRCUIT

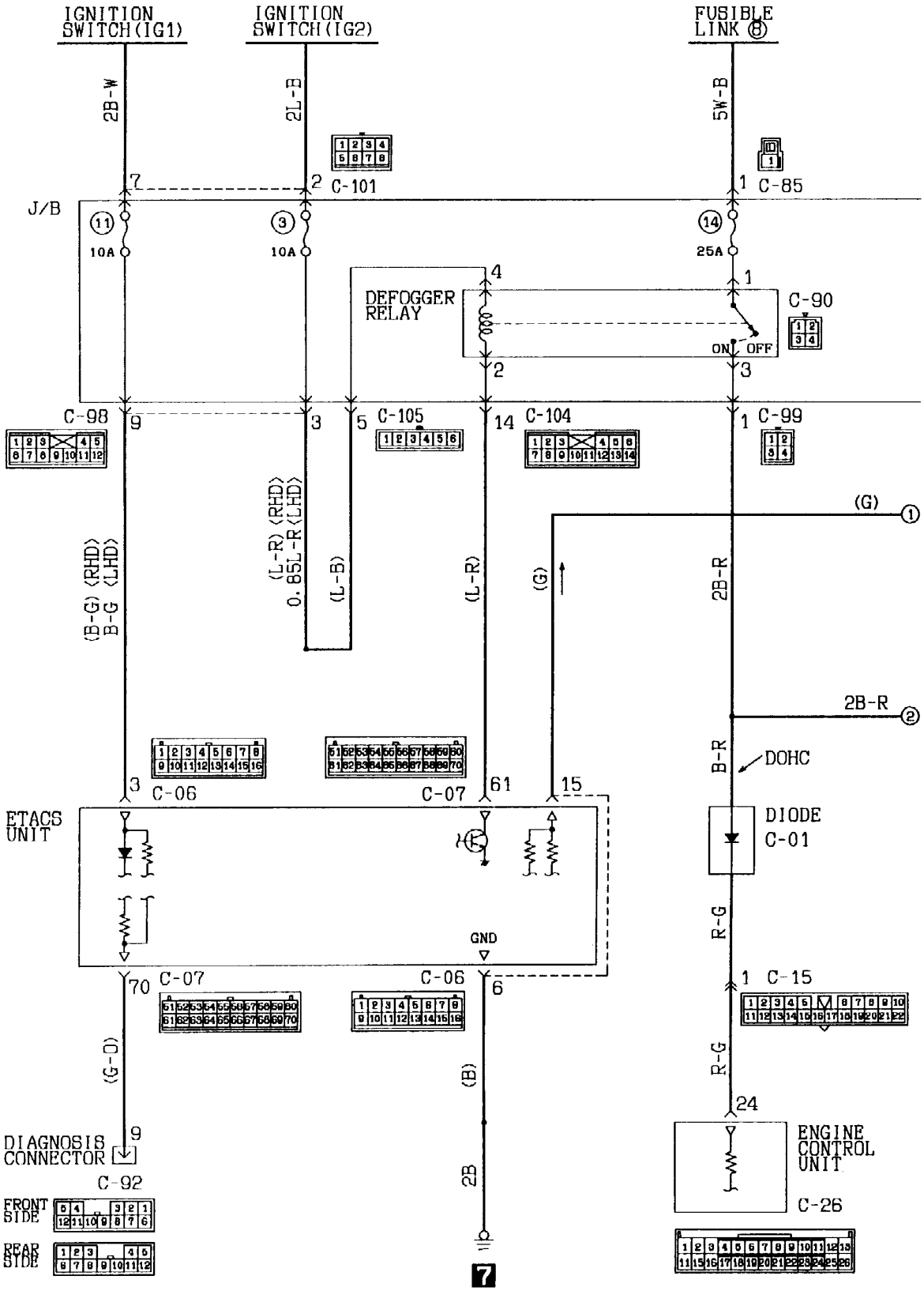


Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

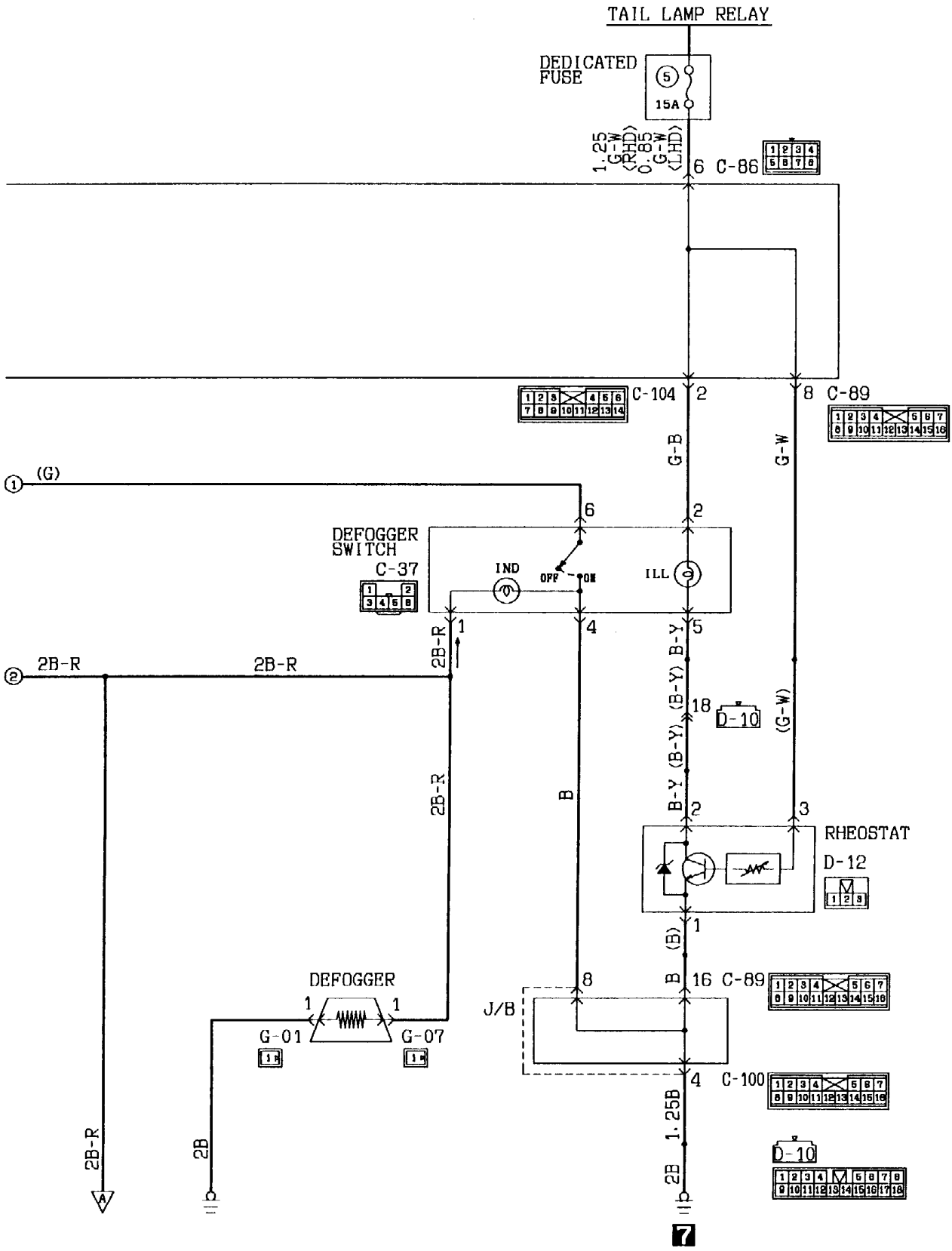
KX35-AC-J1304-EC

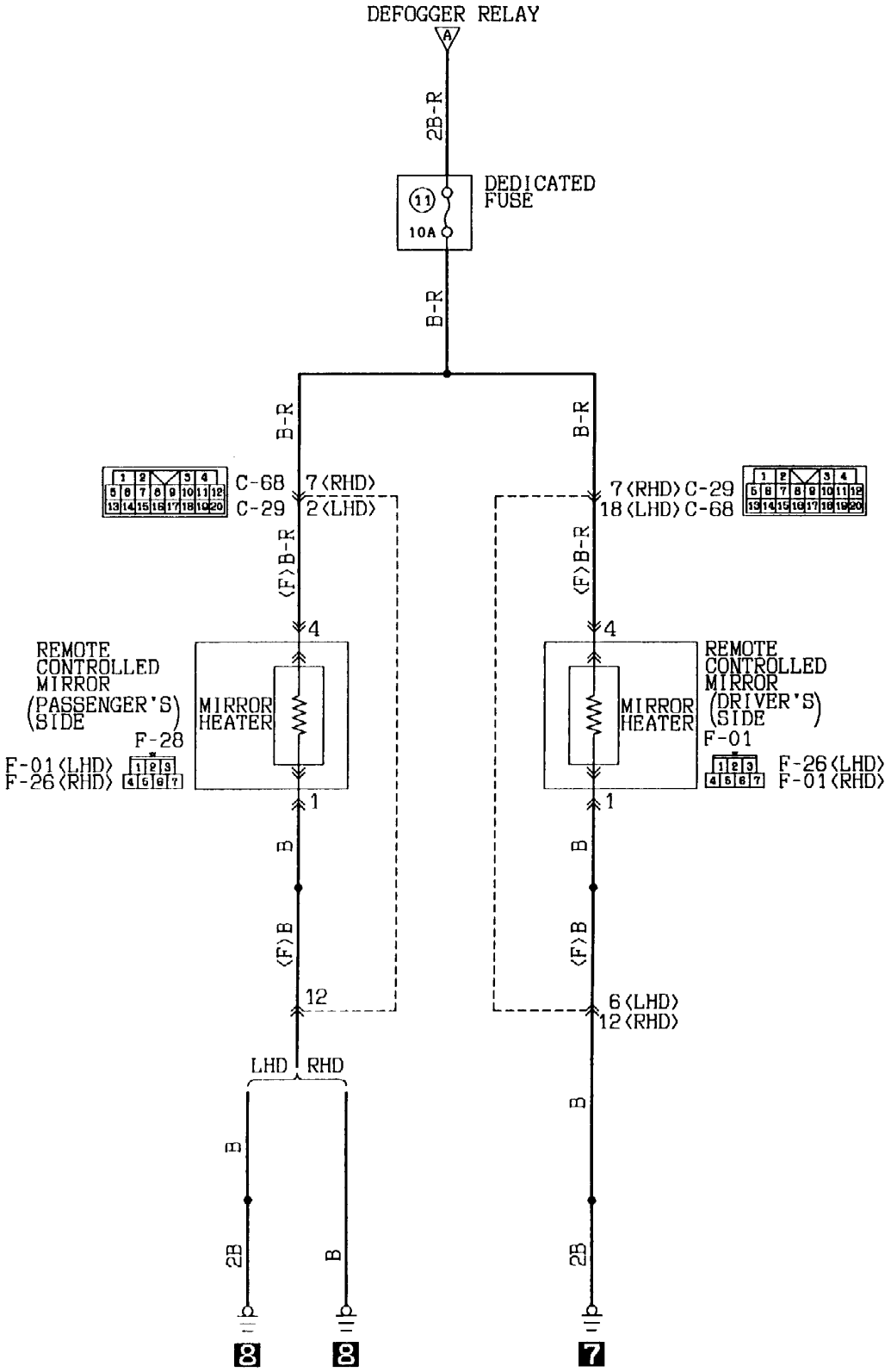
30 DEFOGGER AND DOOR MIRROR HEATER CIRCUIT



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J1305-EC





Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J1305A-EC

DEFOGGER AND DOOR MIRROR HEATER CIRCUIT (See P. 4-184, 186.)

OPERATION

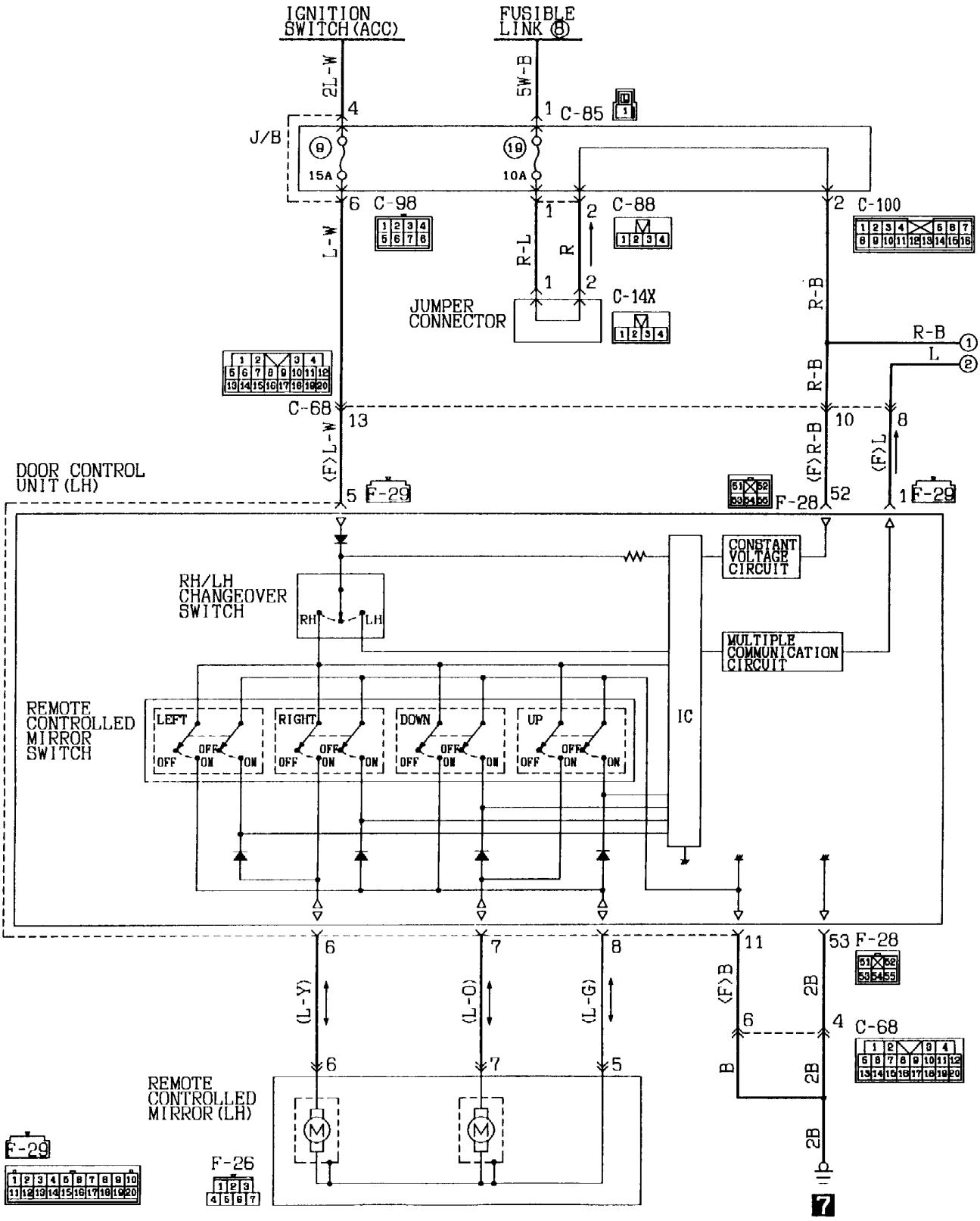
- When the defogger switch is turned on with the ignition switch in the "ON" position, the timer function of the ETACS unit will keep the defogger relay on for approx. 11 minutes and the defogger and door mirror heater will operate.
- At the same time, the defogger indicator lamp lights up indicating that the defogger and door mirror heater are in operation.
- Even if the defogger and door mirror heater are in operation, the defogger switch is pressed once again, and the defogger and door mirror heater will be turned off.

TROUBLESHOOTING HINTS

1. Defogger is inoperative.
   1) Indicator lamp does not come on, either.
      - Check multi-purpose fuse No. ③.
      - Check multi-purpose fuse No. ⑭.
      - Check defogger relay.
   2) Indicator lamp comes on.
      - Check defogger.
2. Only the door mirror heater does not operate at all.
   - Check dedicated fuse No. ⑪.
3. Timer is inoperative.
   - Check ETACS unit.

31 REMOTE CONTROLLED MIRROR CIRCUIT

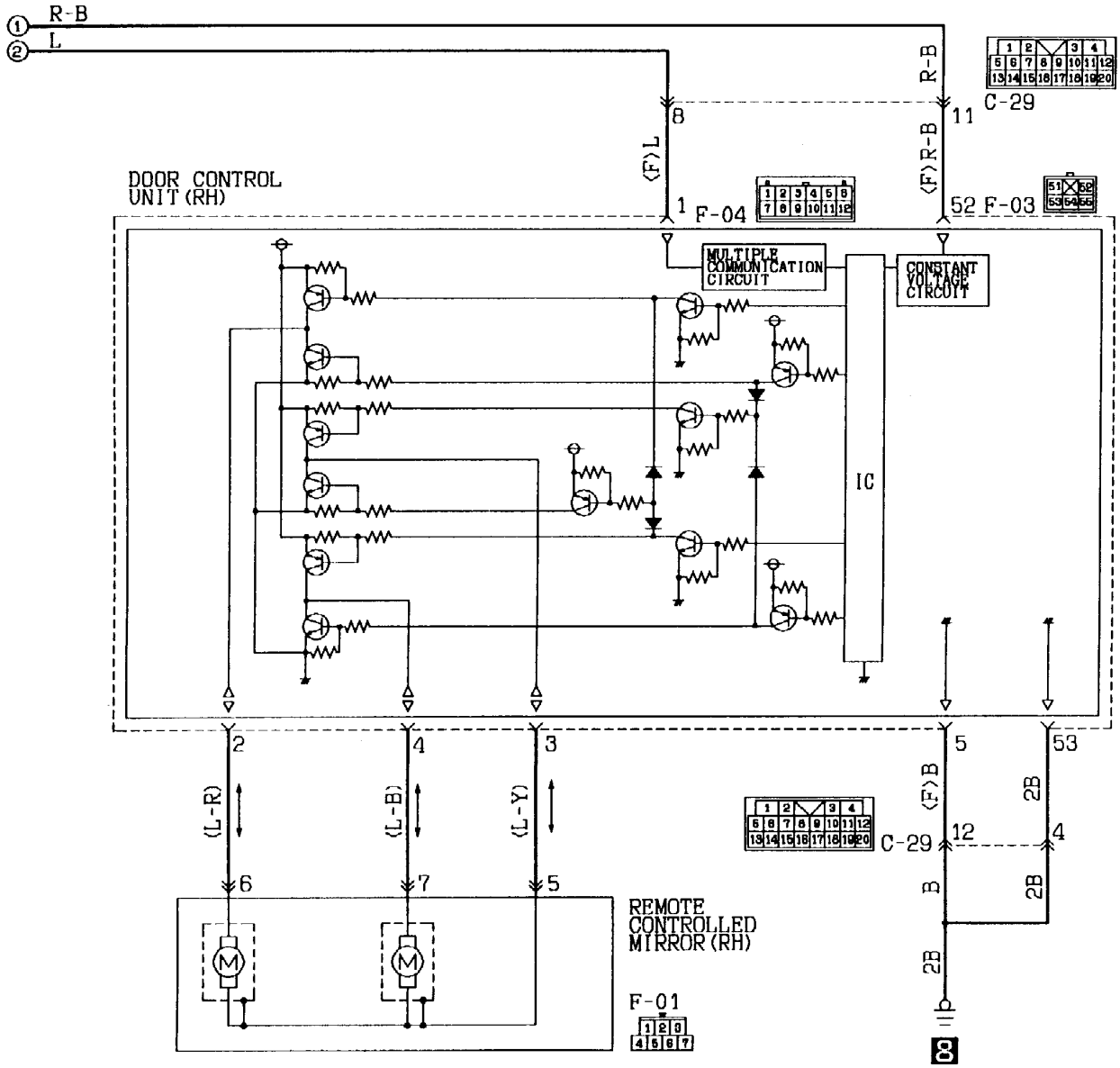
31-1 L.H. drive vehicles



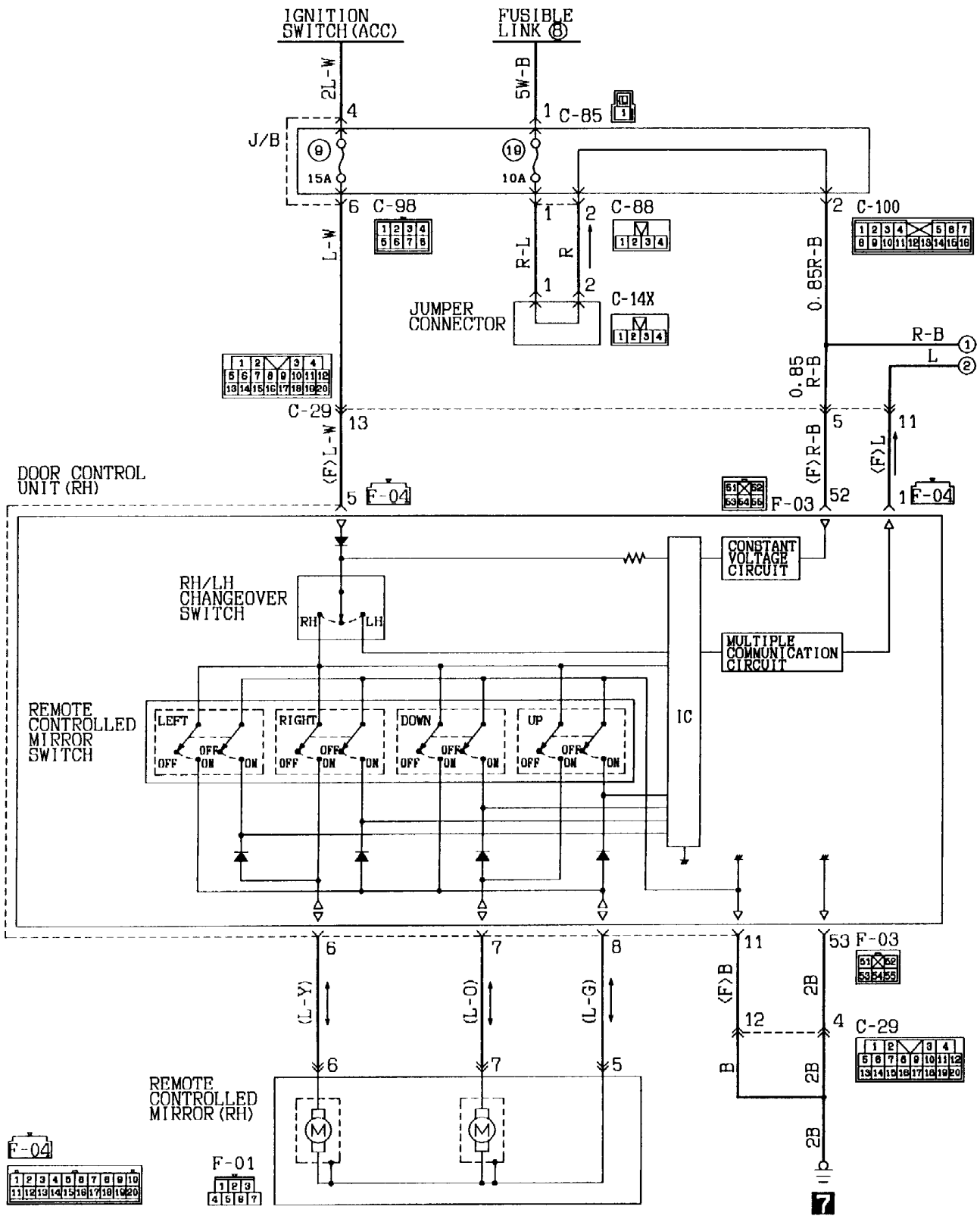
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

KX35-AC-J1308-EC



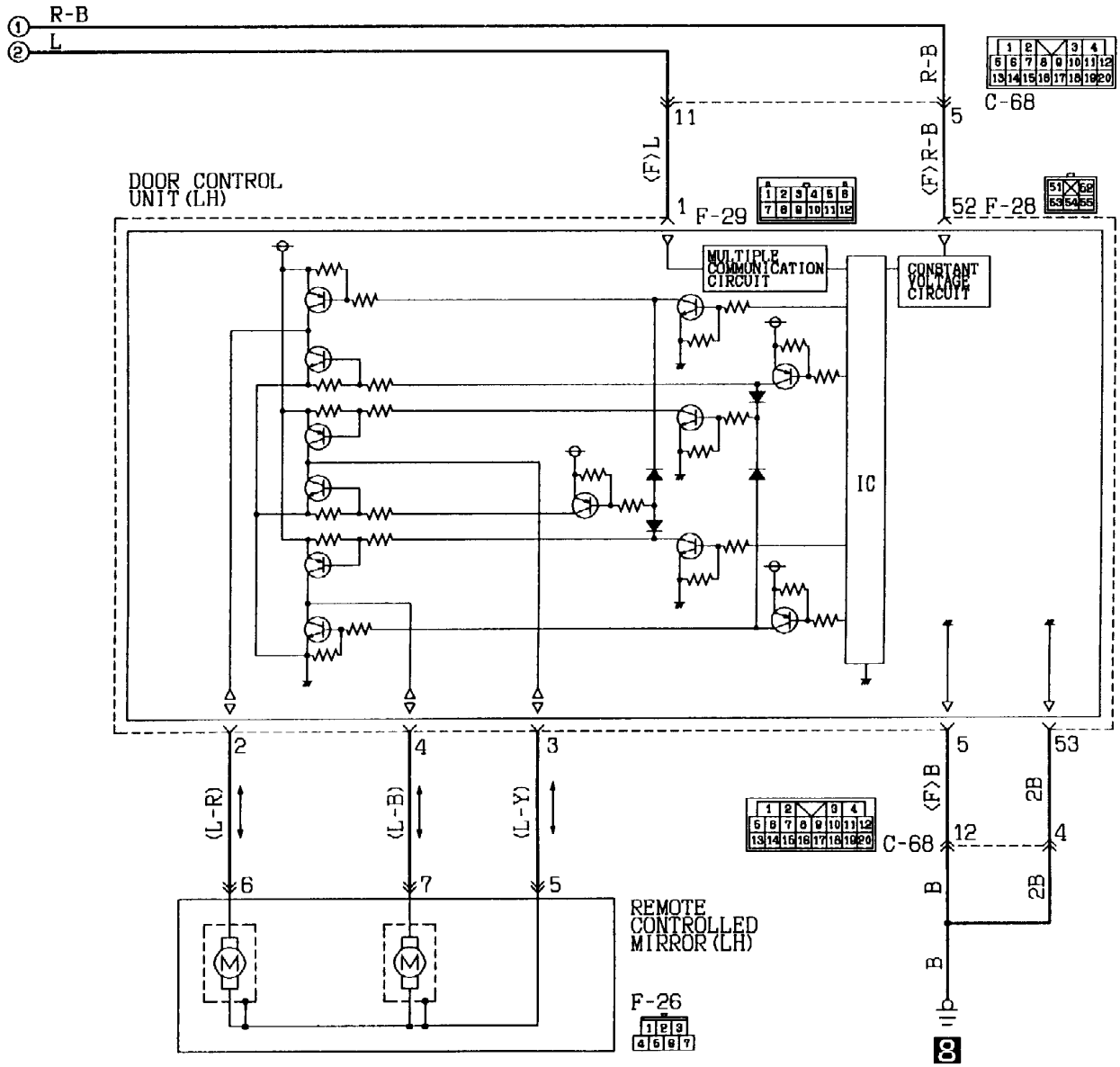
31-2 R.H. drive vehicles



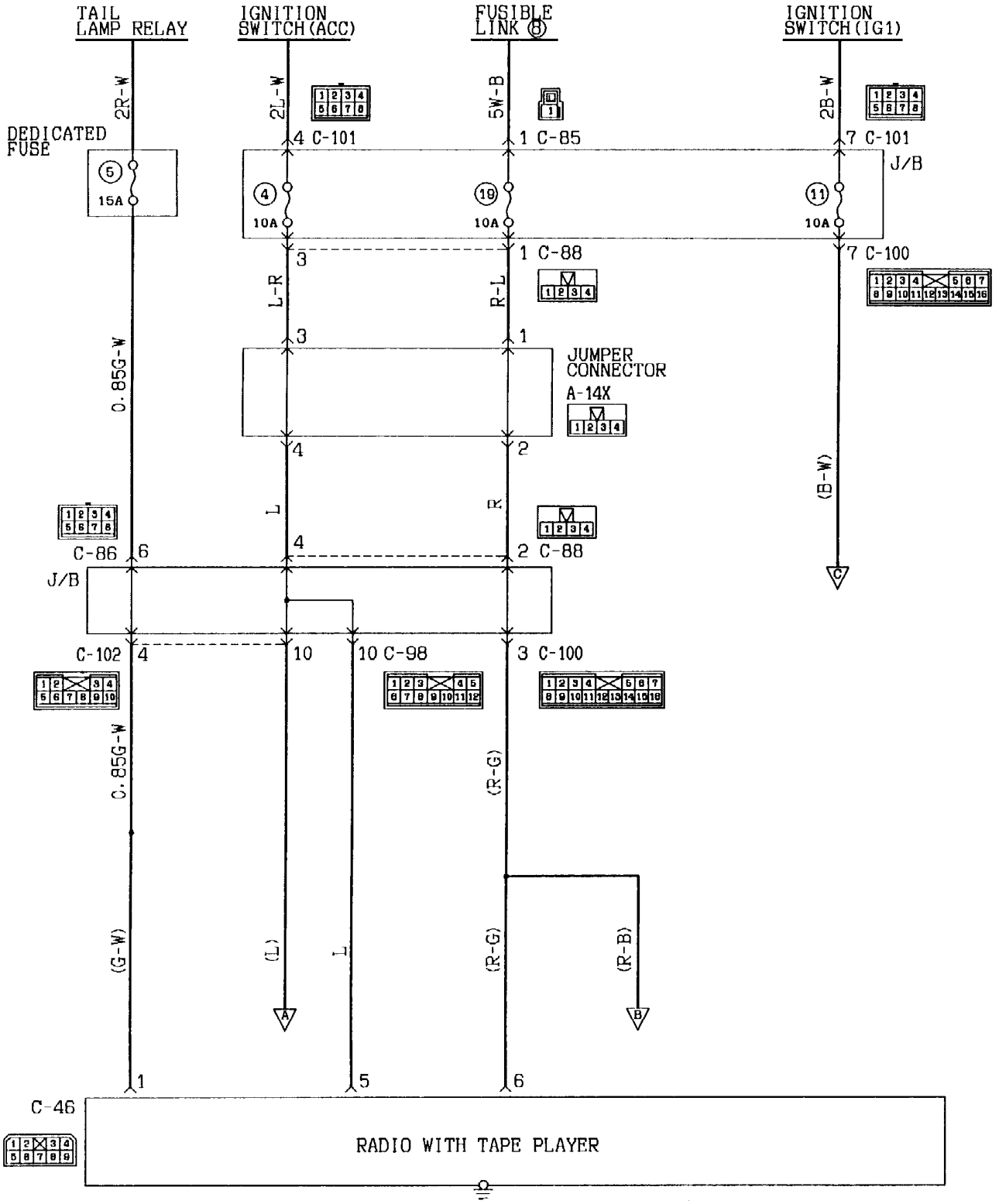
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

KX35-AC-J1307-EC

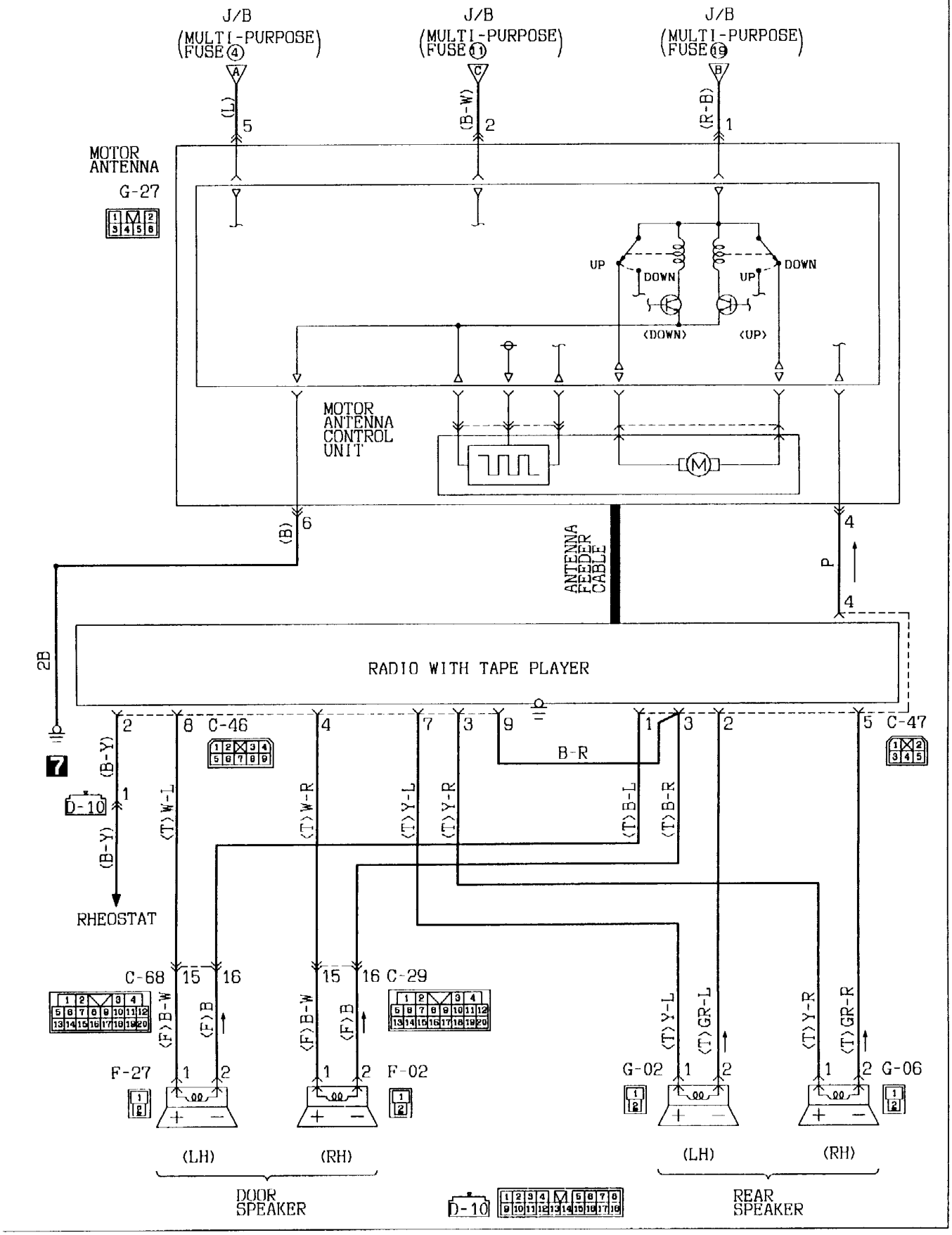


32 AUDIO CIRCUIT
32-1 L.H. drive vehicles

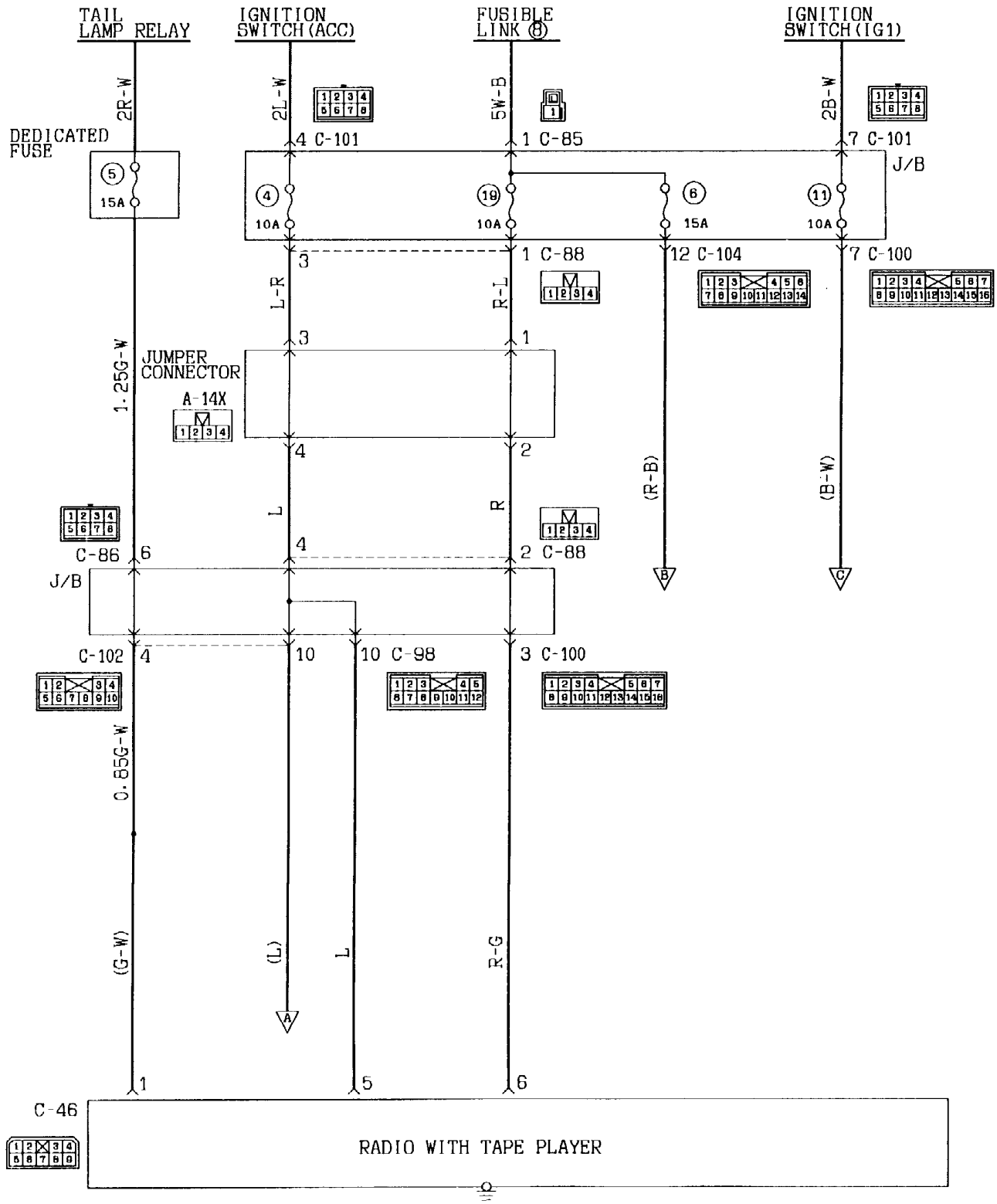


Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J1401-EC



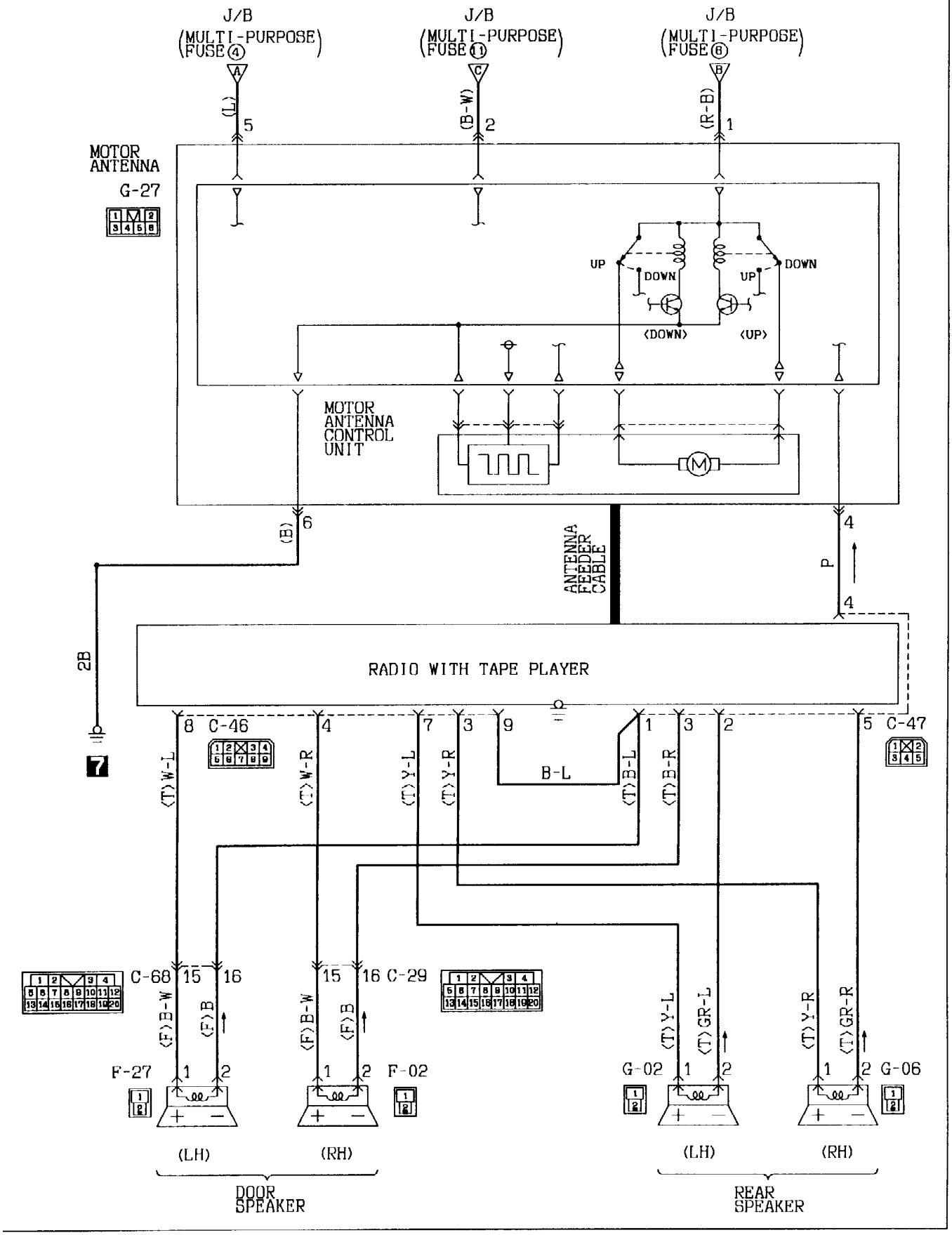
32-2 R.H. drive vehicles



Wire colour code

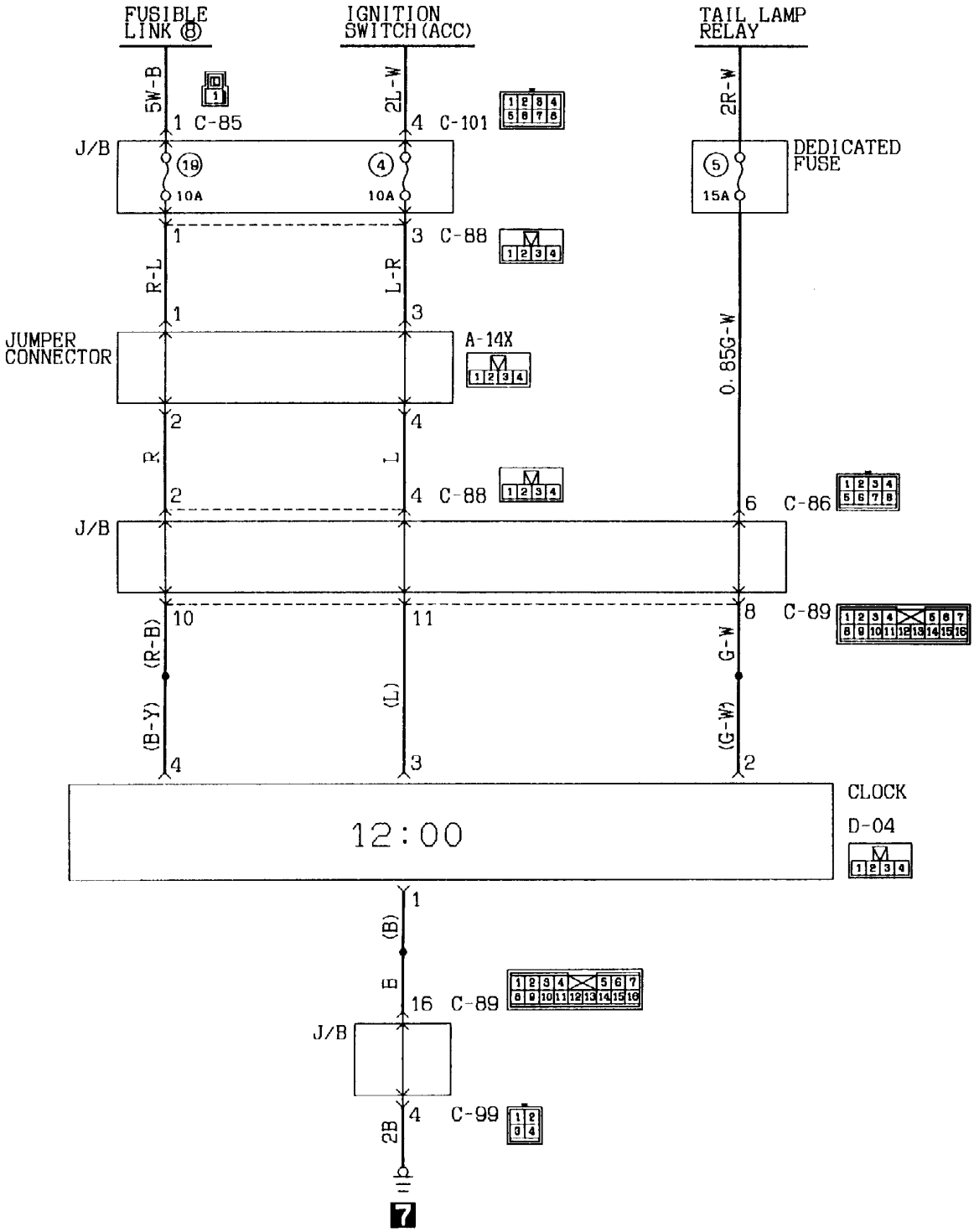
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

KX35-AC-J1402-EC



33 CLOCK CIRCUIT

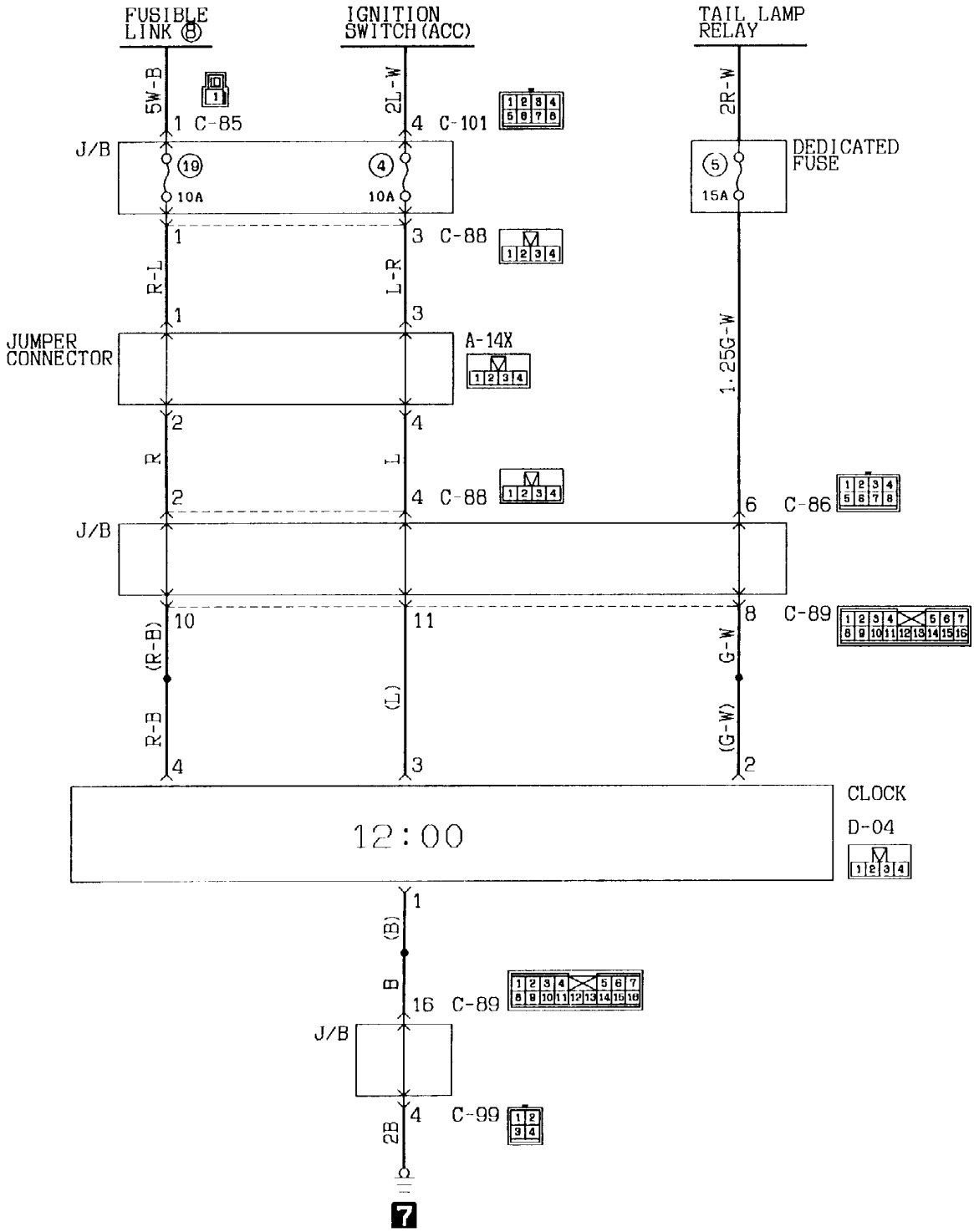
33-1 L.H. drive vehicles



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J1403-EC

33-2 R.H. drive vehicles



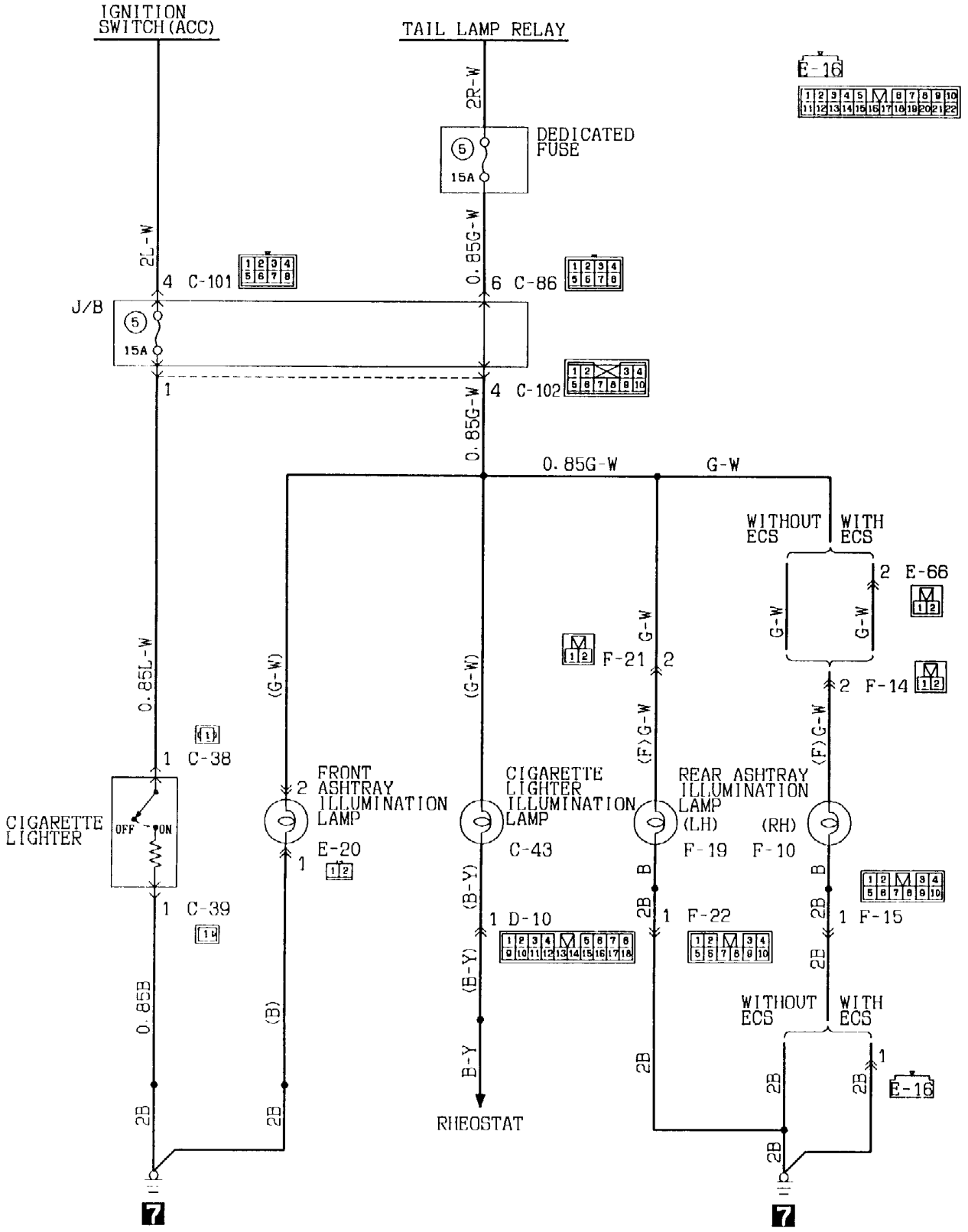
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

KX35-AC-J1404-EC

34 CIGARETTE LIGHTER CIRCUIT

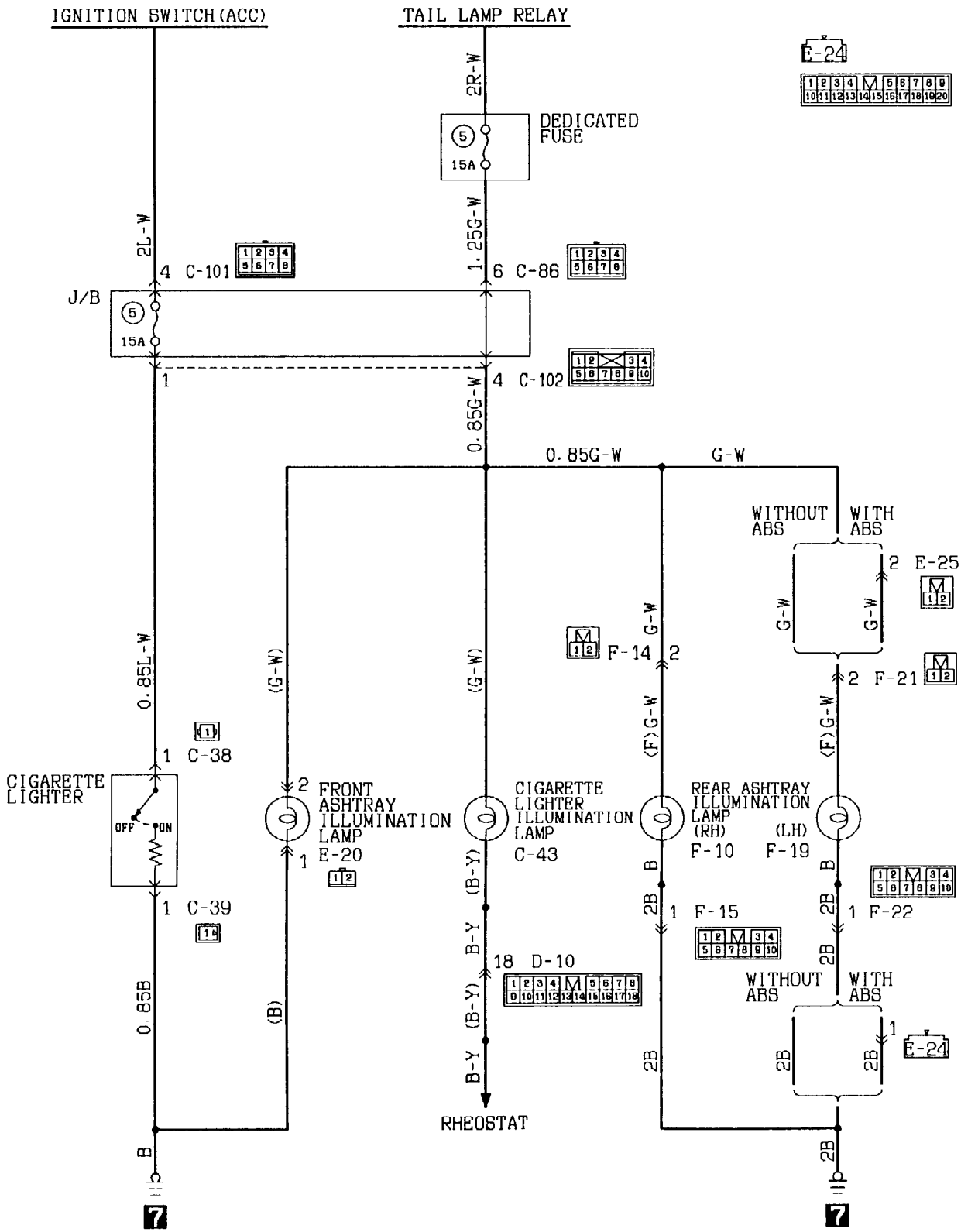
34-1 L.H. drive vehicles



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J1405-EC

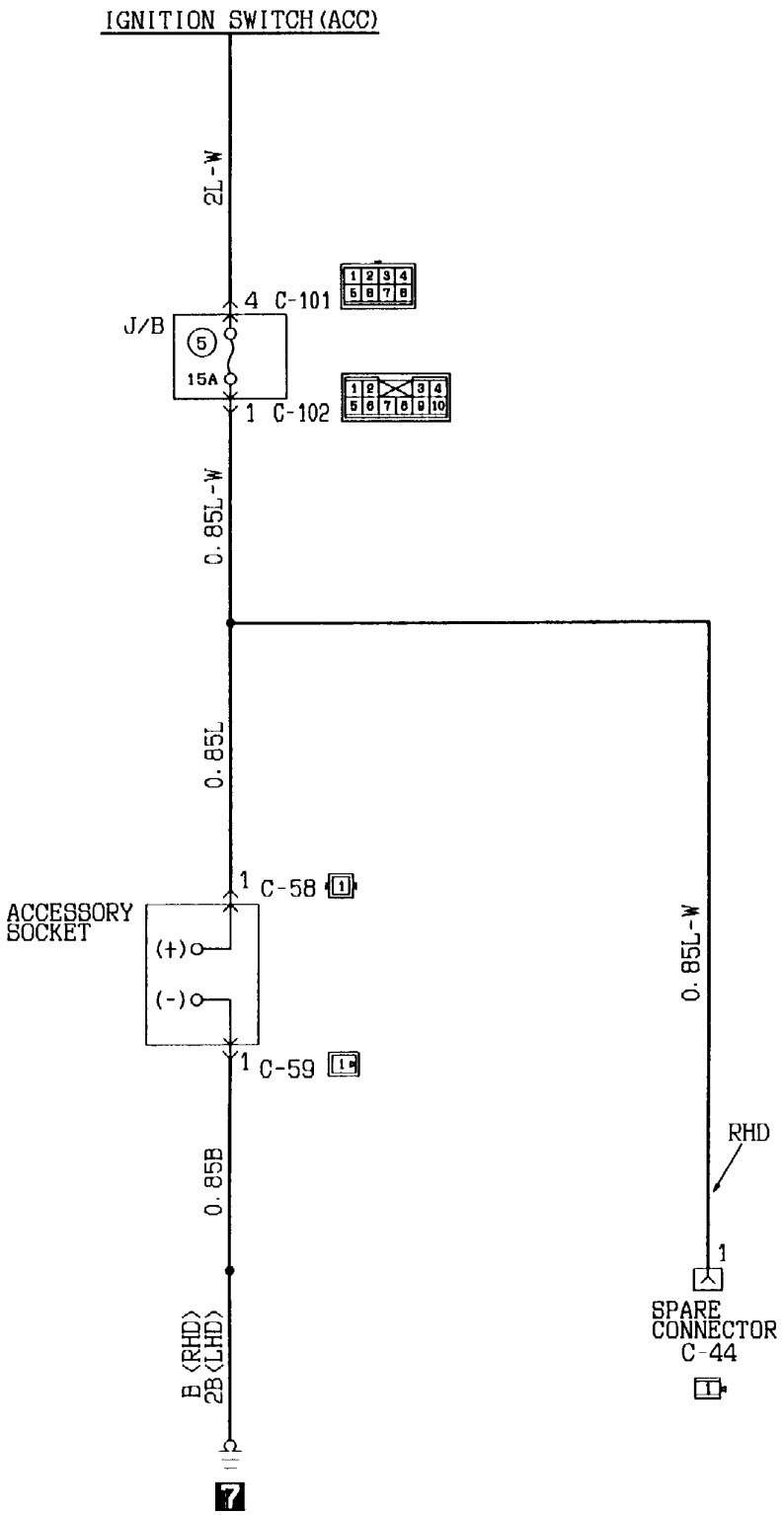
34-2 R.H. drive vehicles



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J1408-EC

35 ACCESSORY SOCKET CIRCUIT

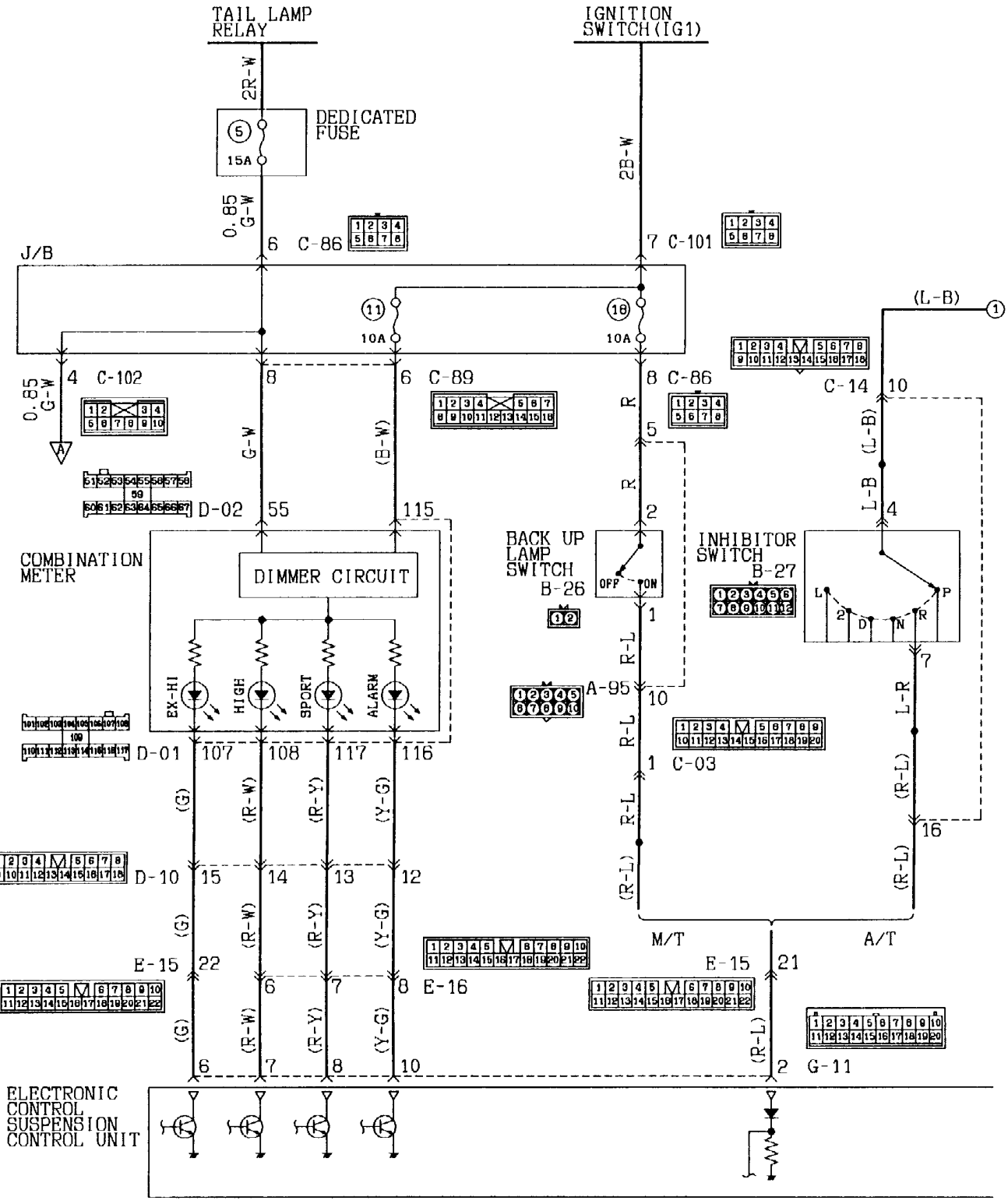


Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J1407-EC

36 ACTIVE-ELECTRONIC CONTROL SUSPENSION CIRCUIT

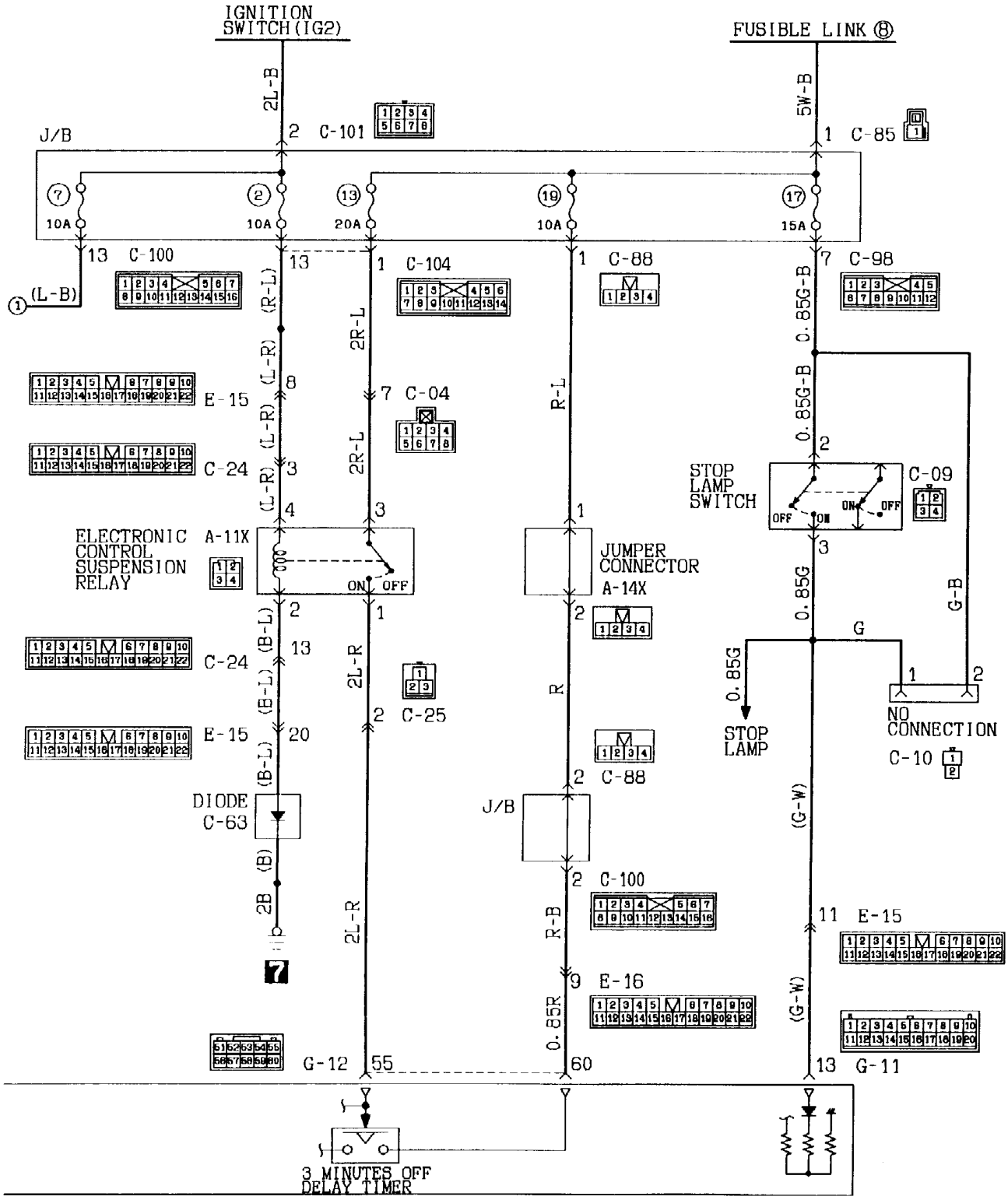
36-1 L.H. drive vehicles

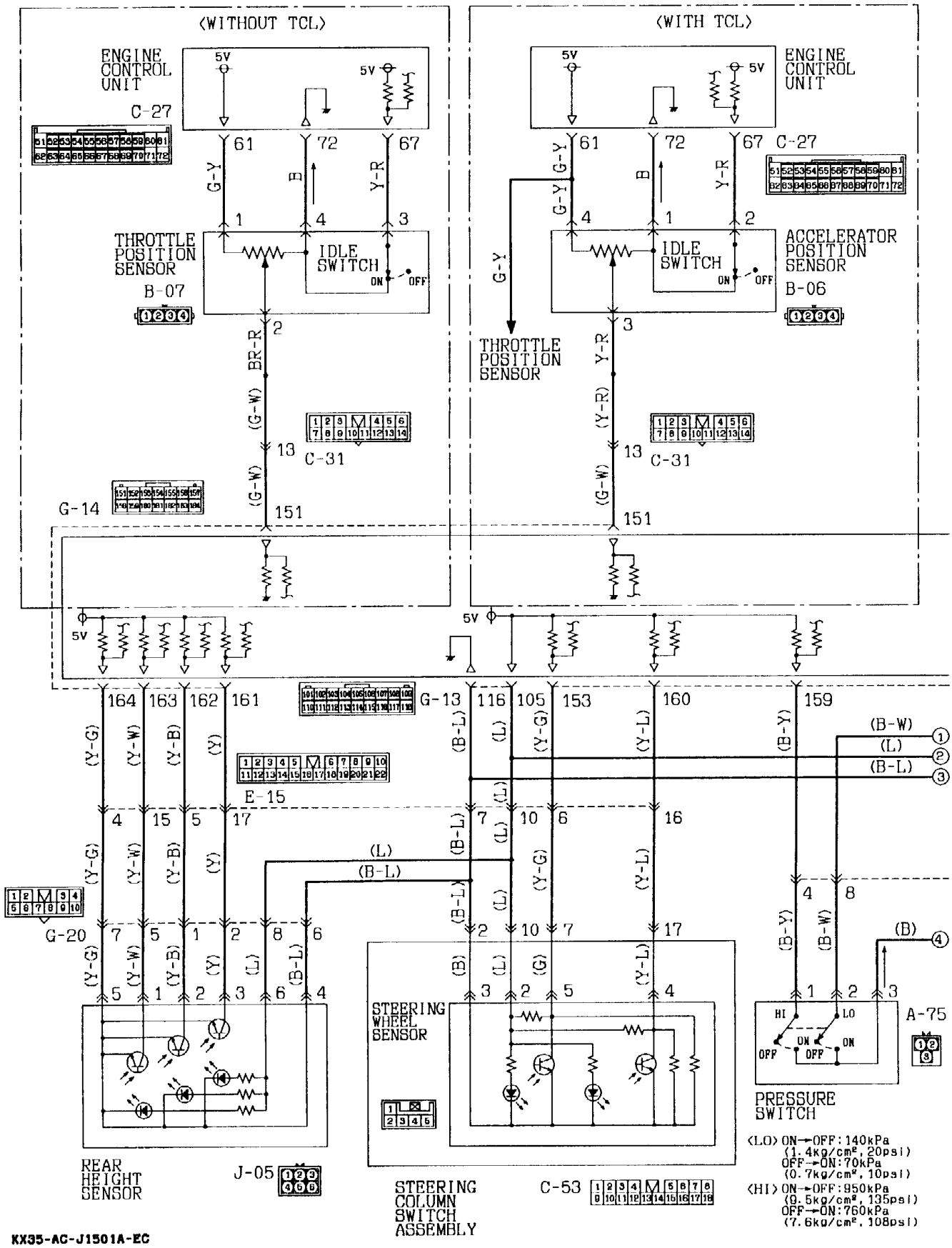


Wire colour code

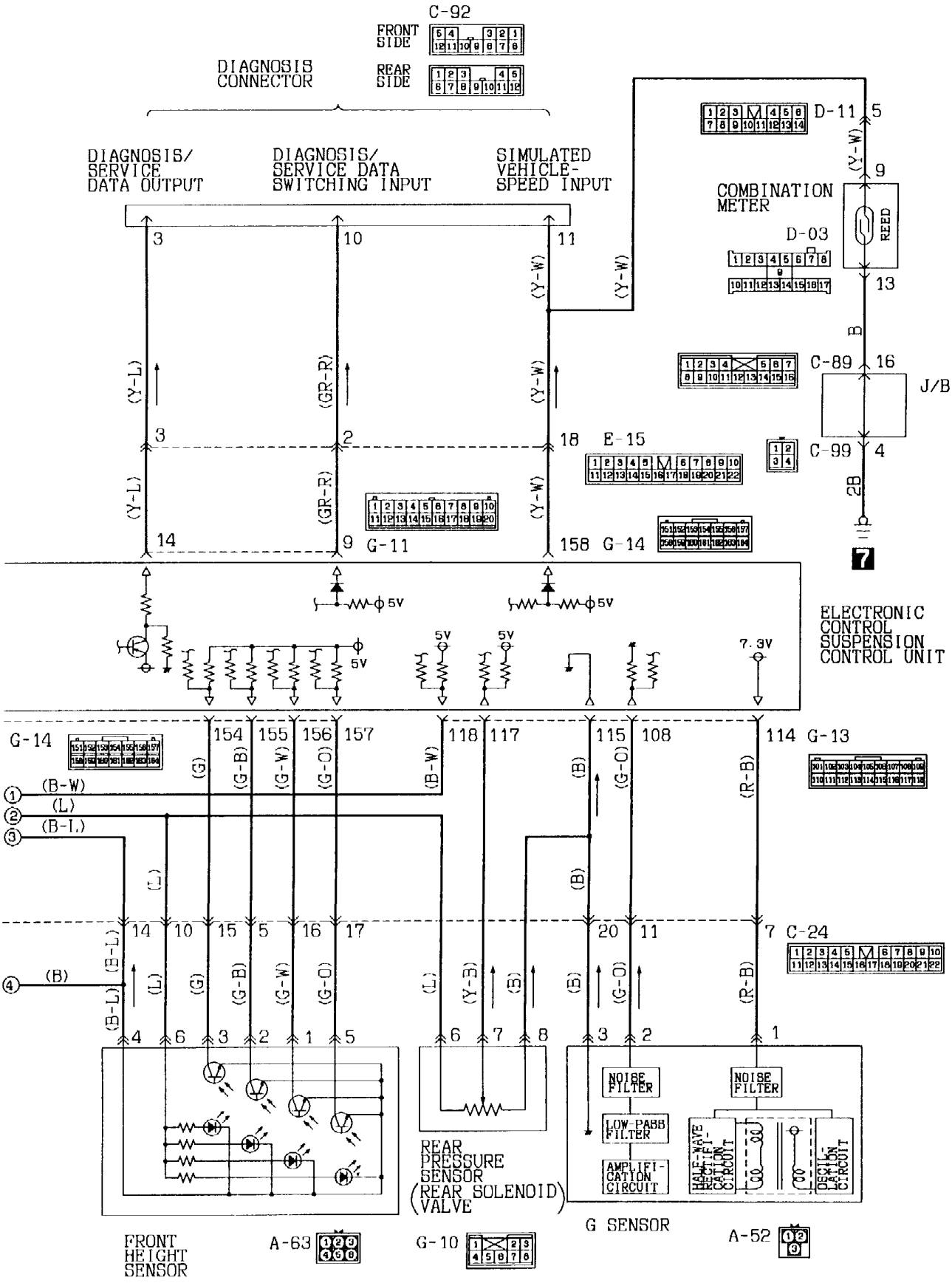
B:Black	LG:Light Green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

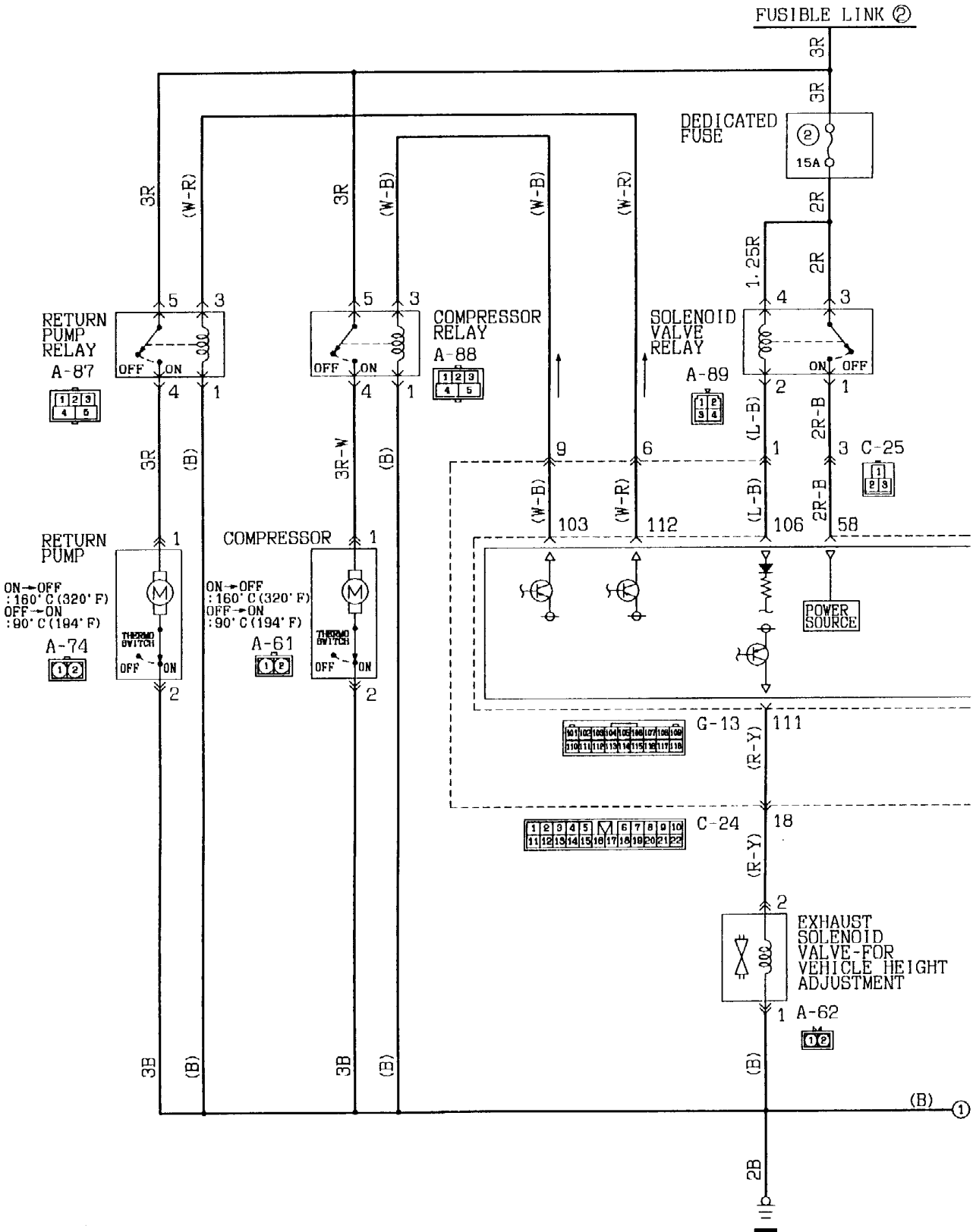
KX35-AC-J1501-EC





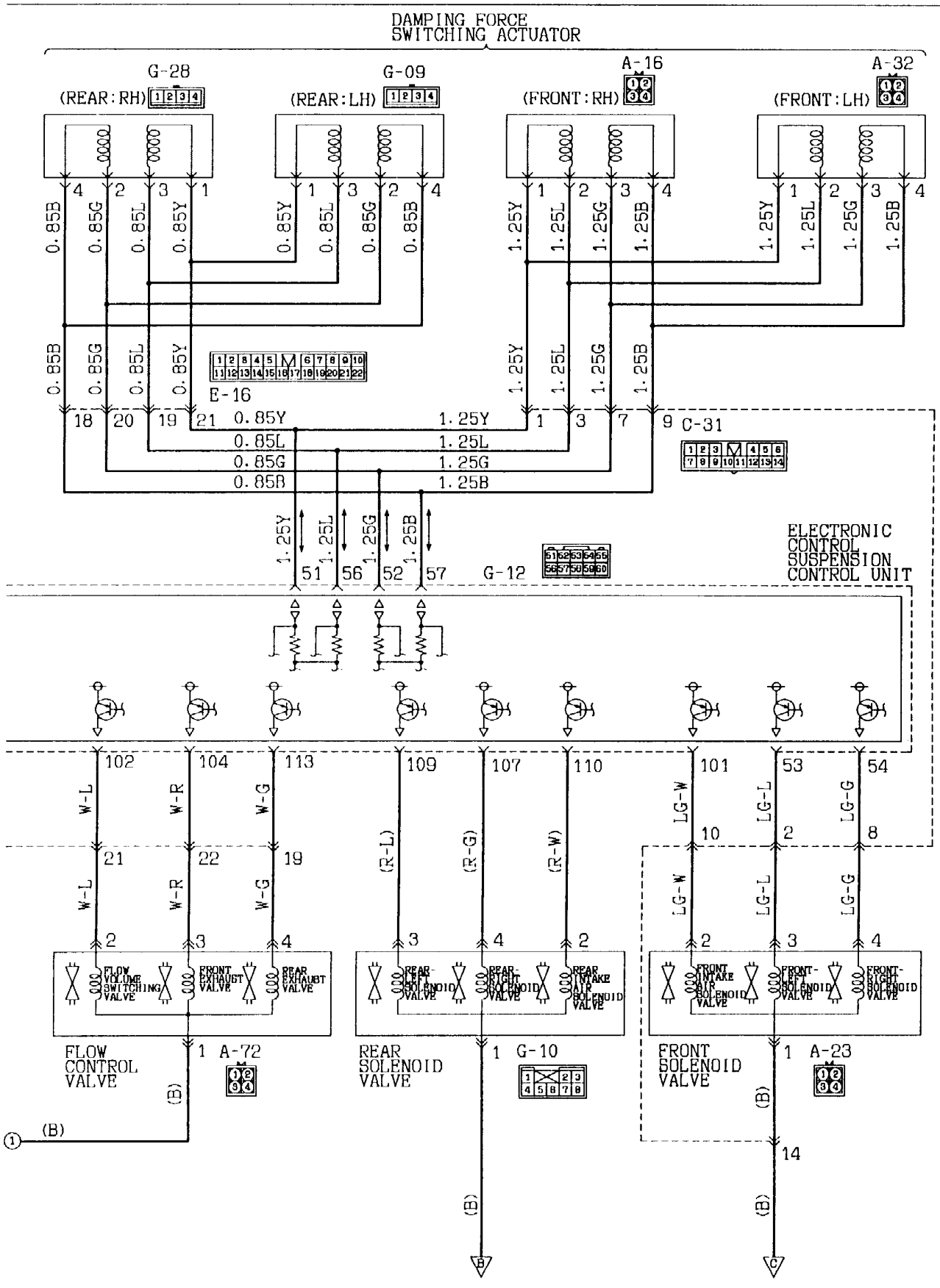
KX35-AC-J1501A-EC

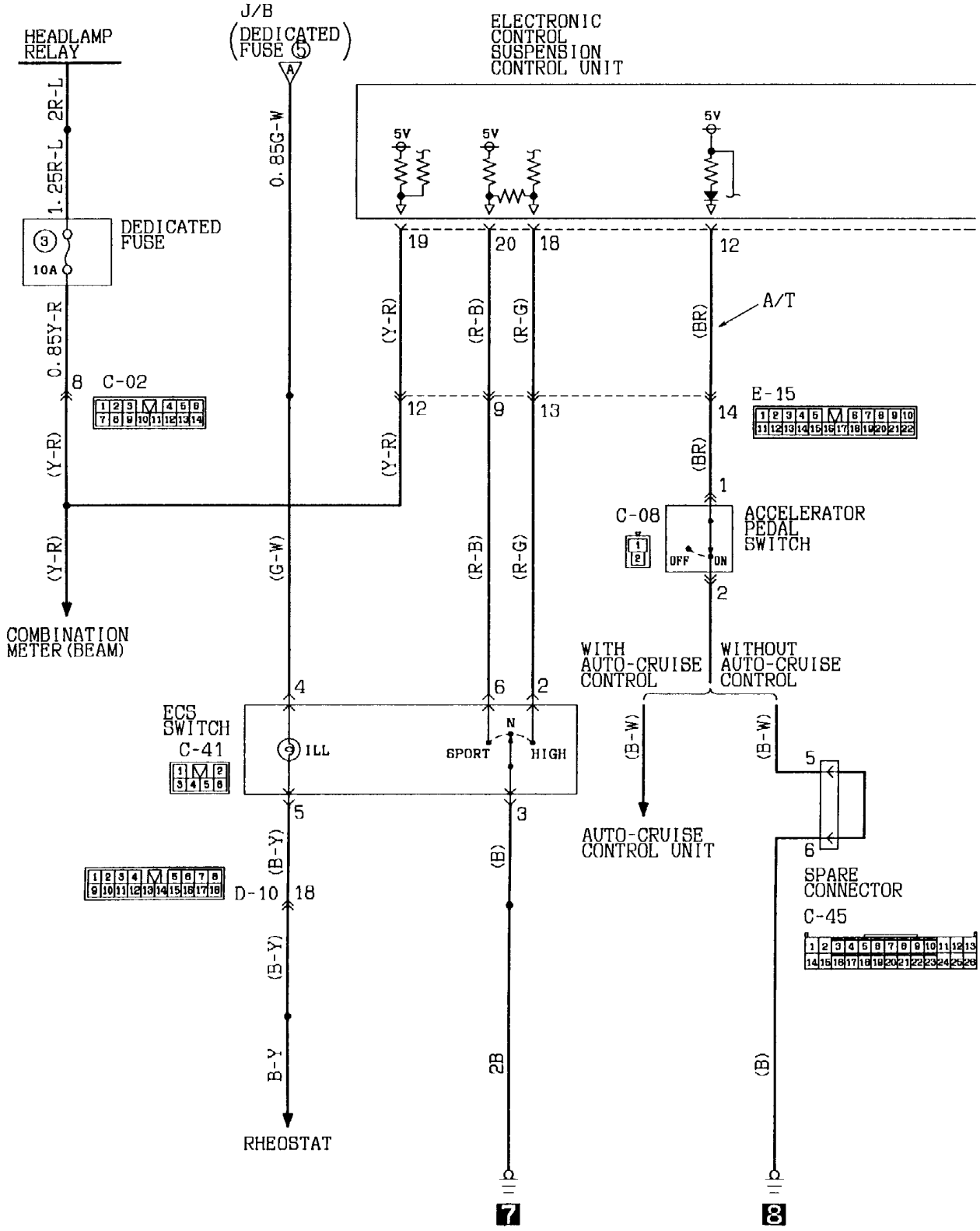




Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J1501B-EC

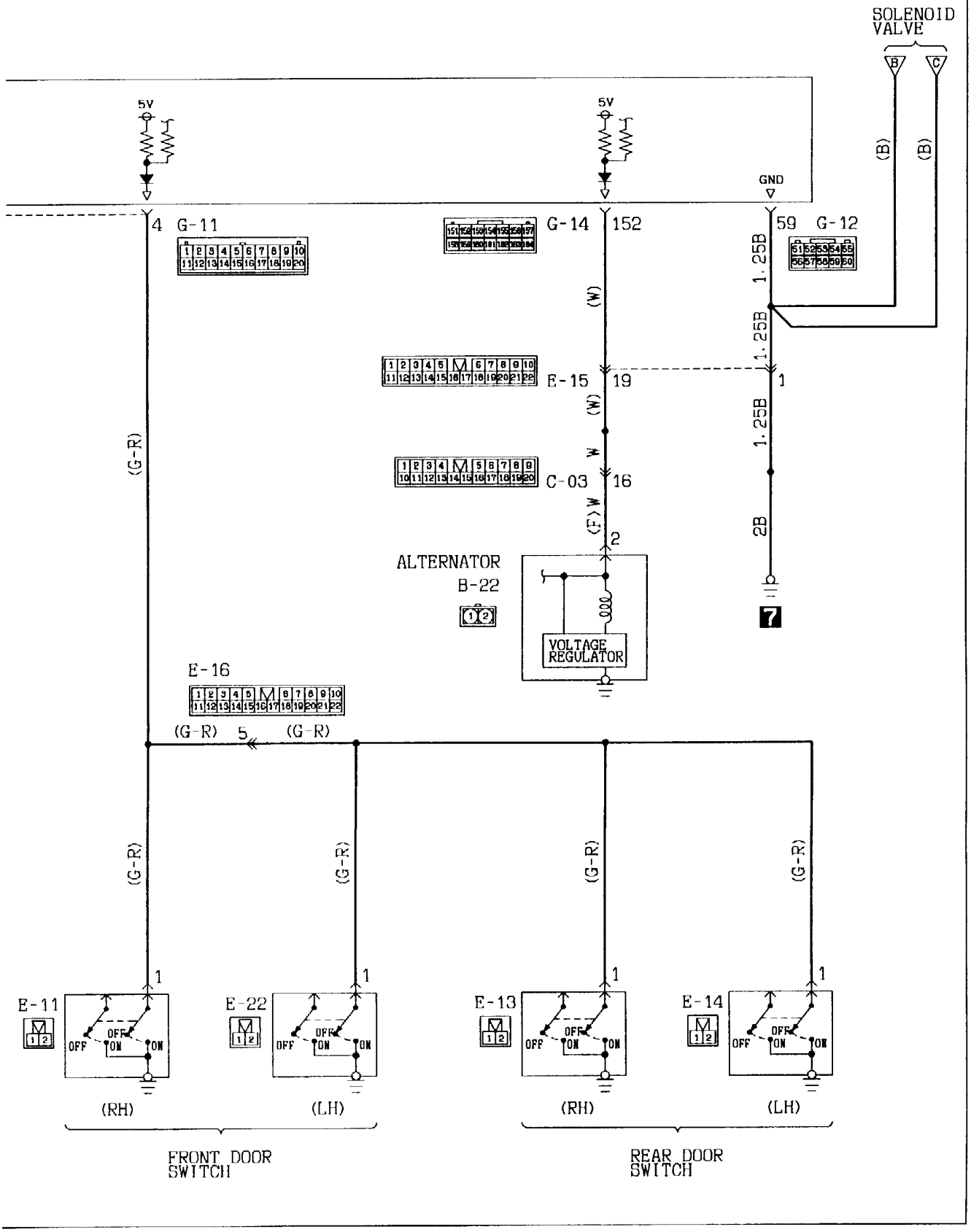




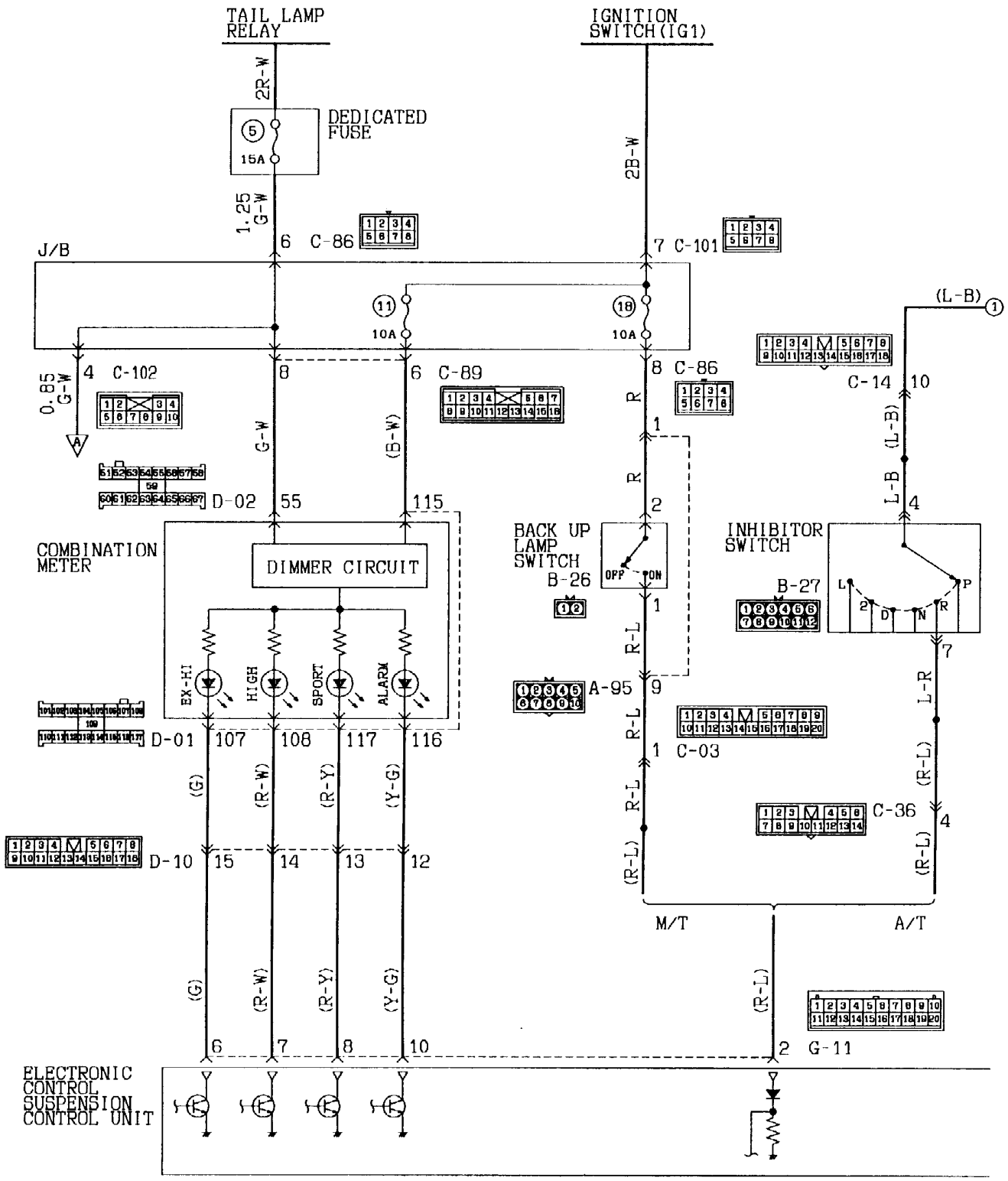
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

KX35-AC-J1501C-EC

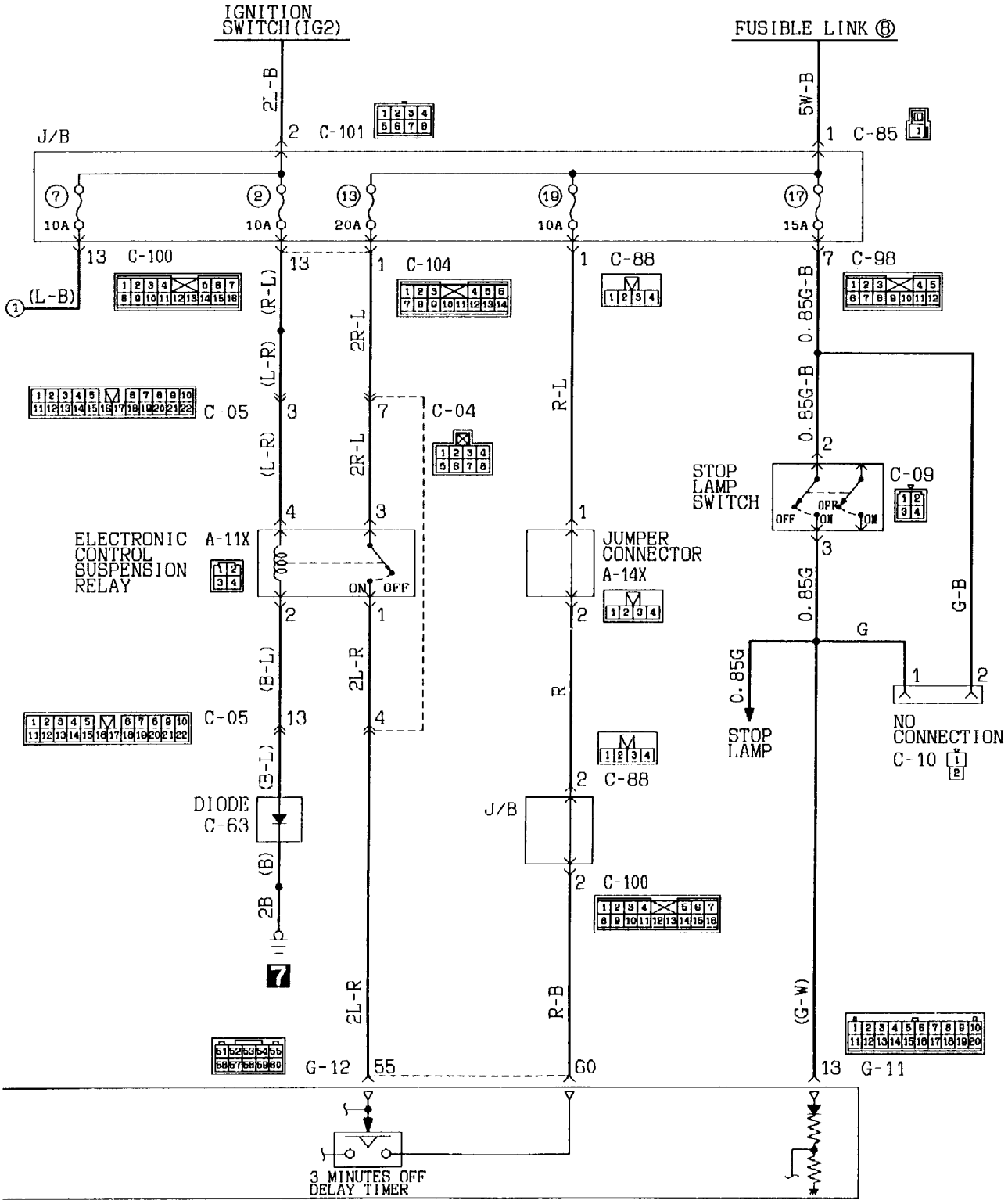


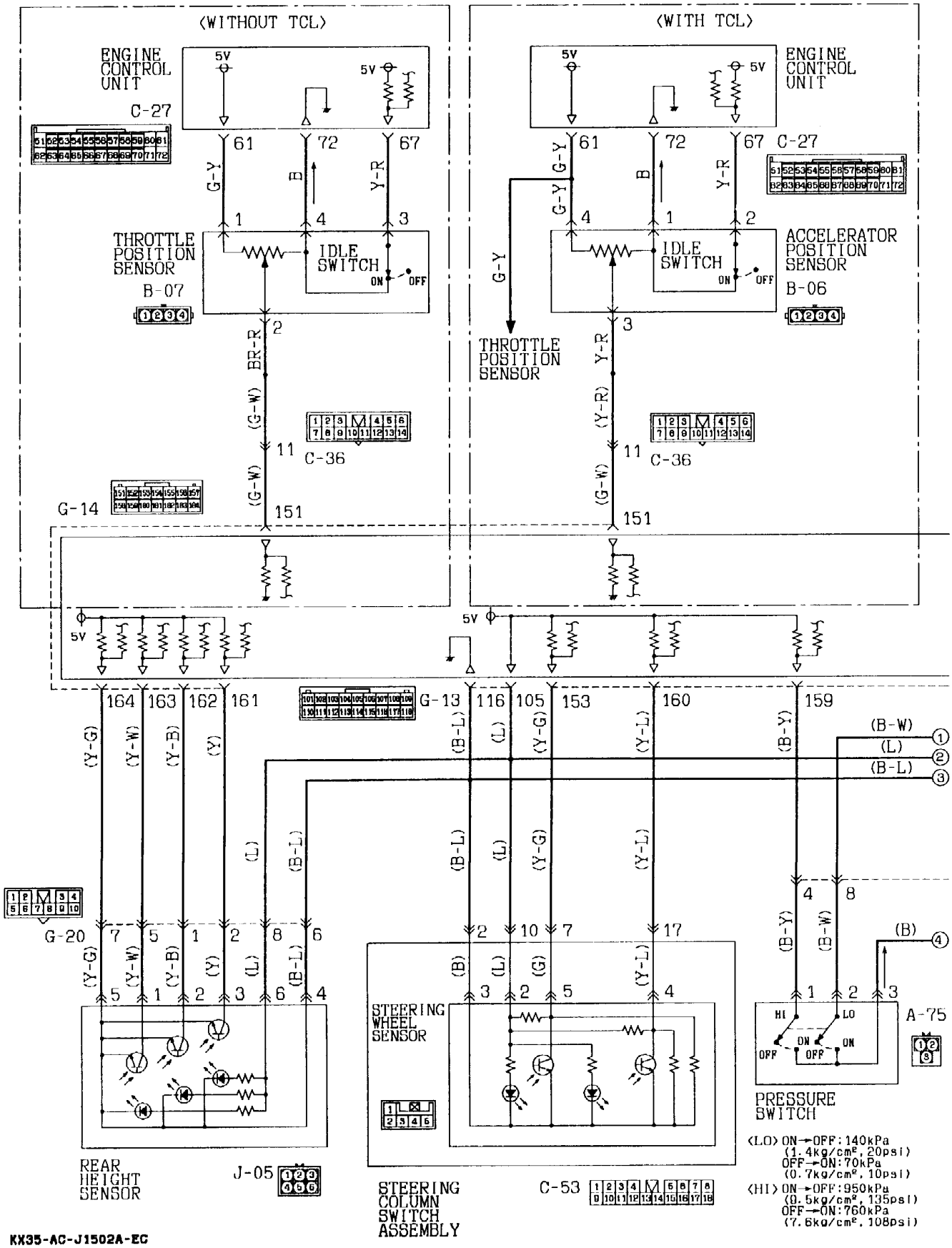
36-2 R.H. drive vehicles



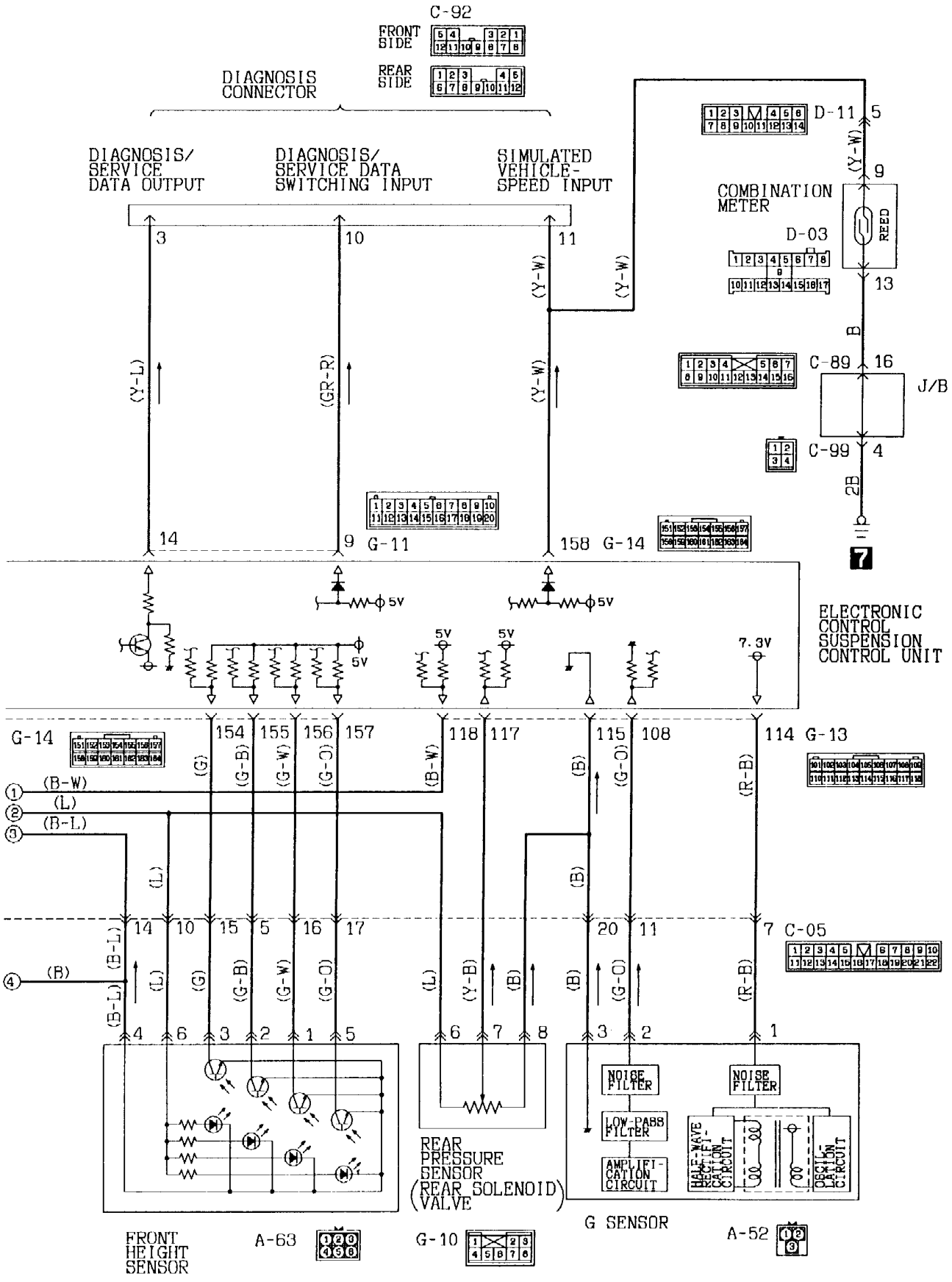
Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

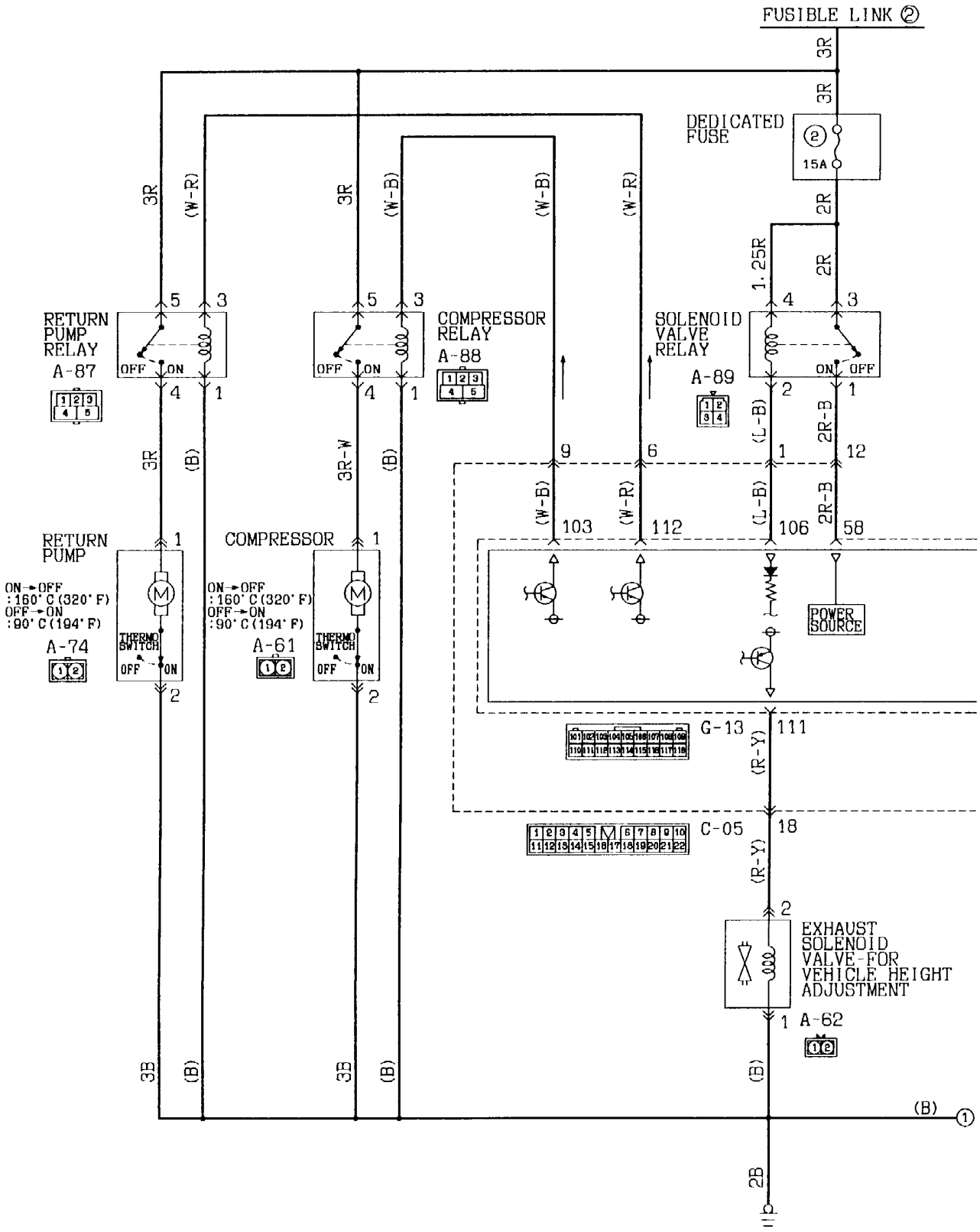
KX35-AC-J1502-EC





KX35-AC-J1502A-EC

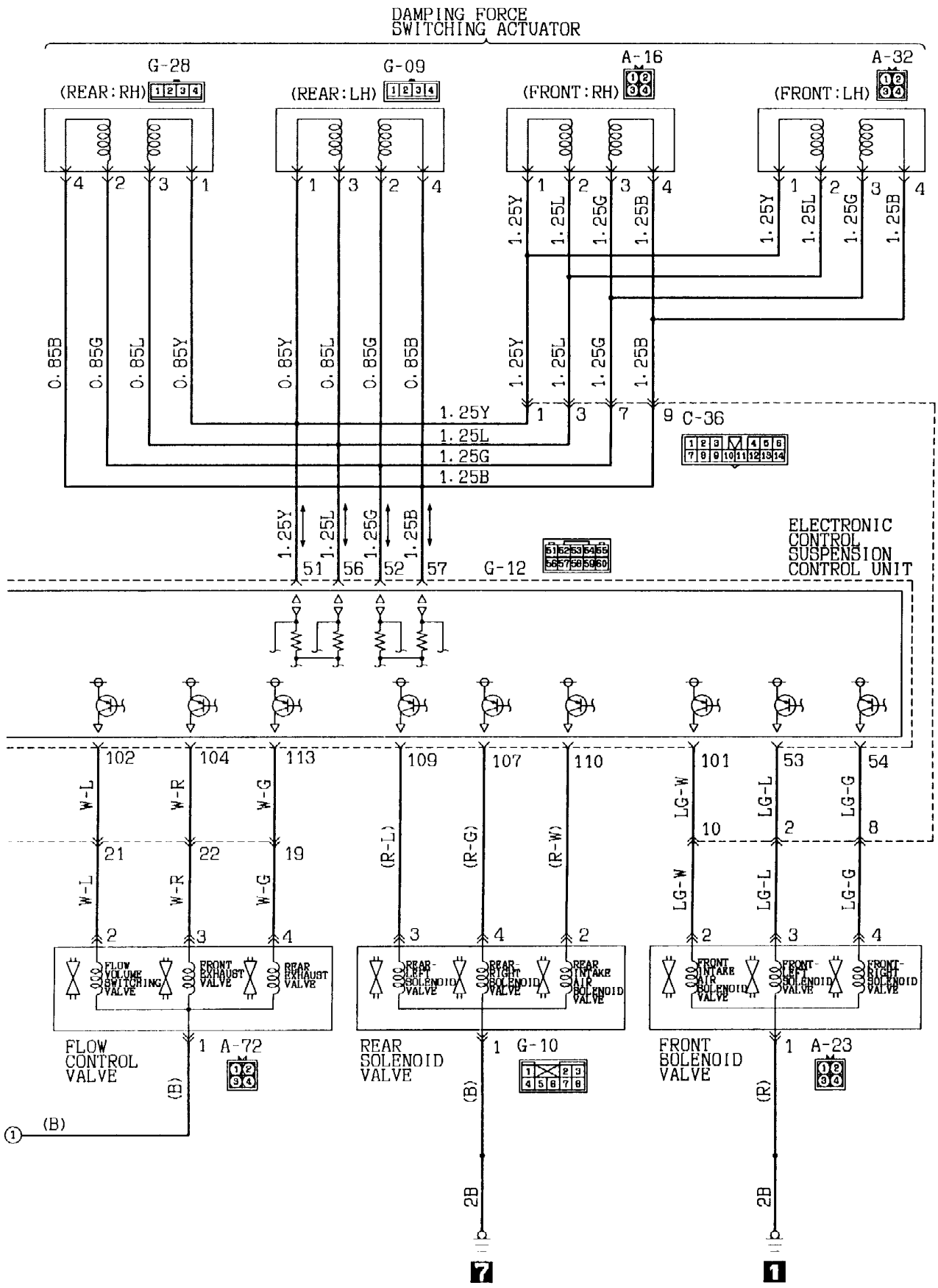


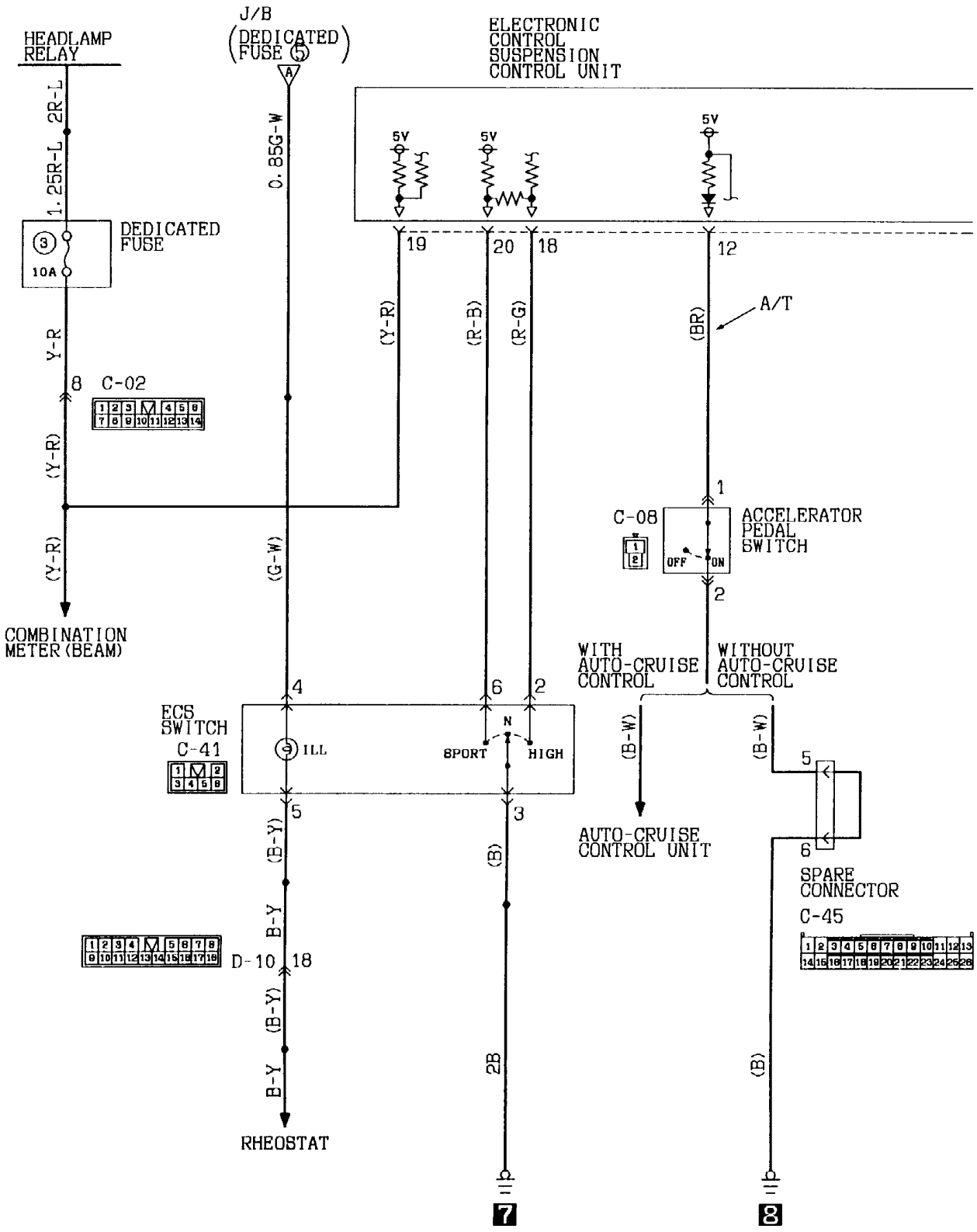


Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

KX35-AC-J1502B-EC

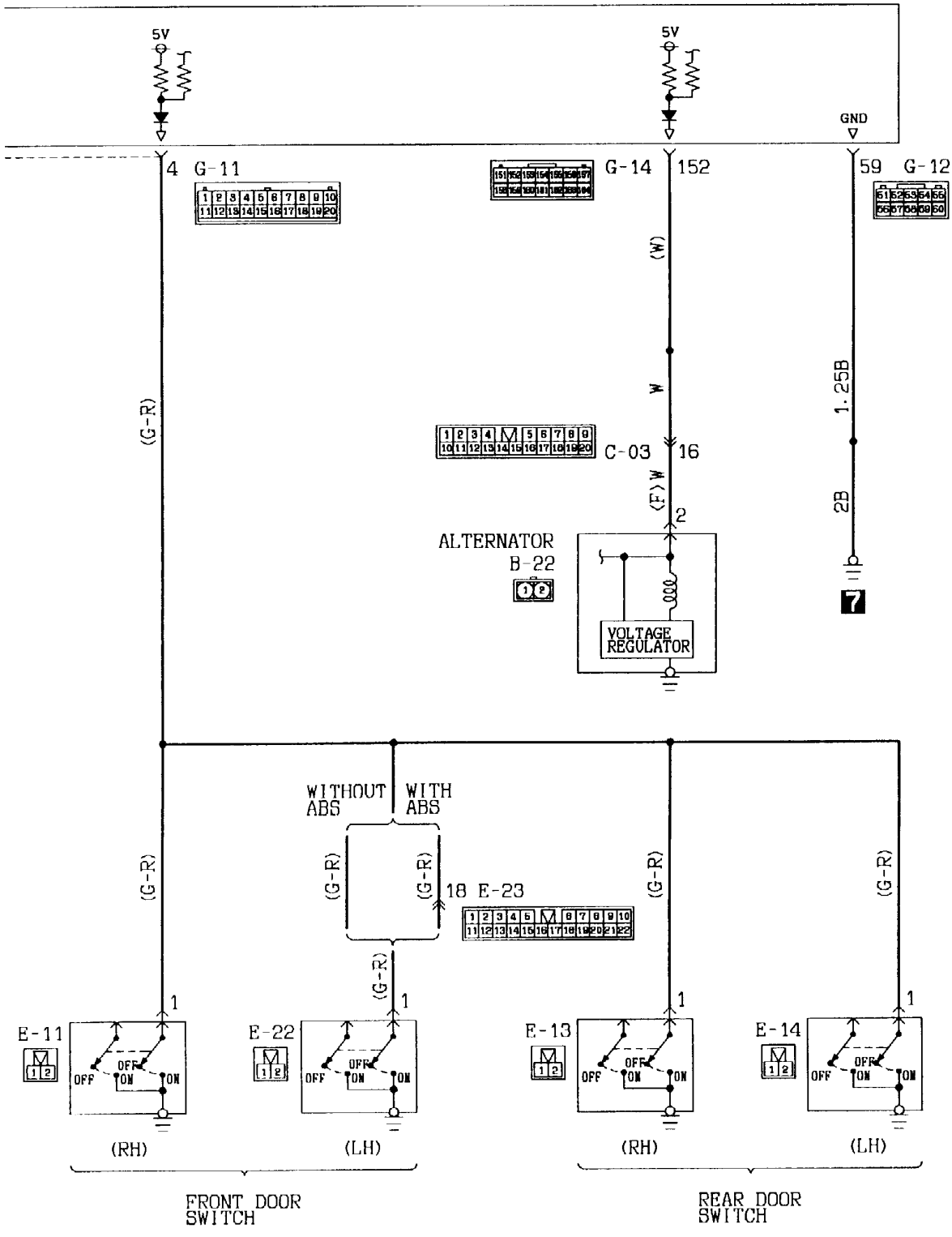




Wire colour code

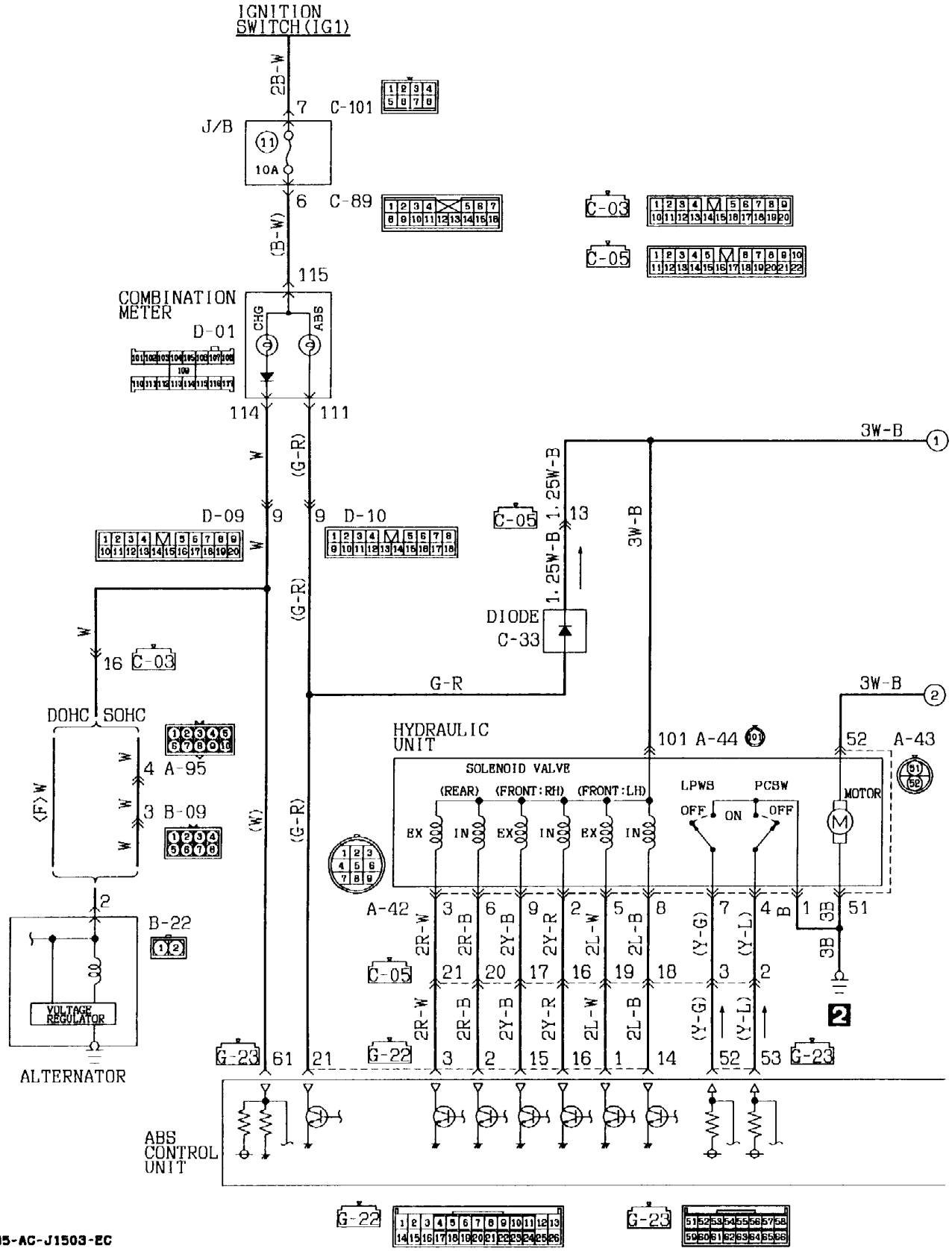
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

KX35-AC-J1502C-EC

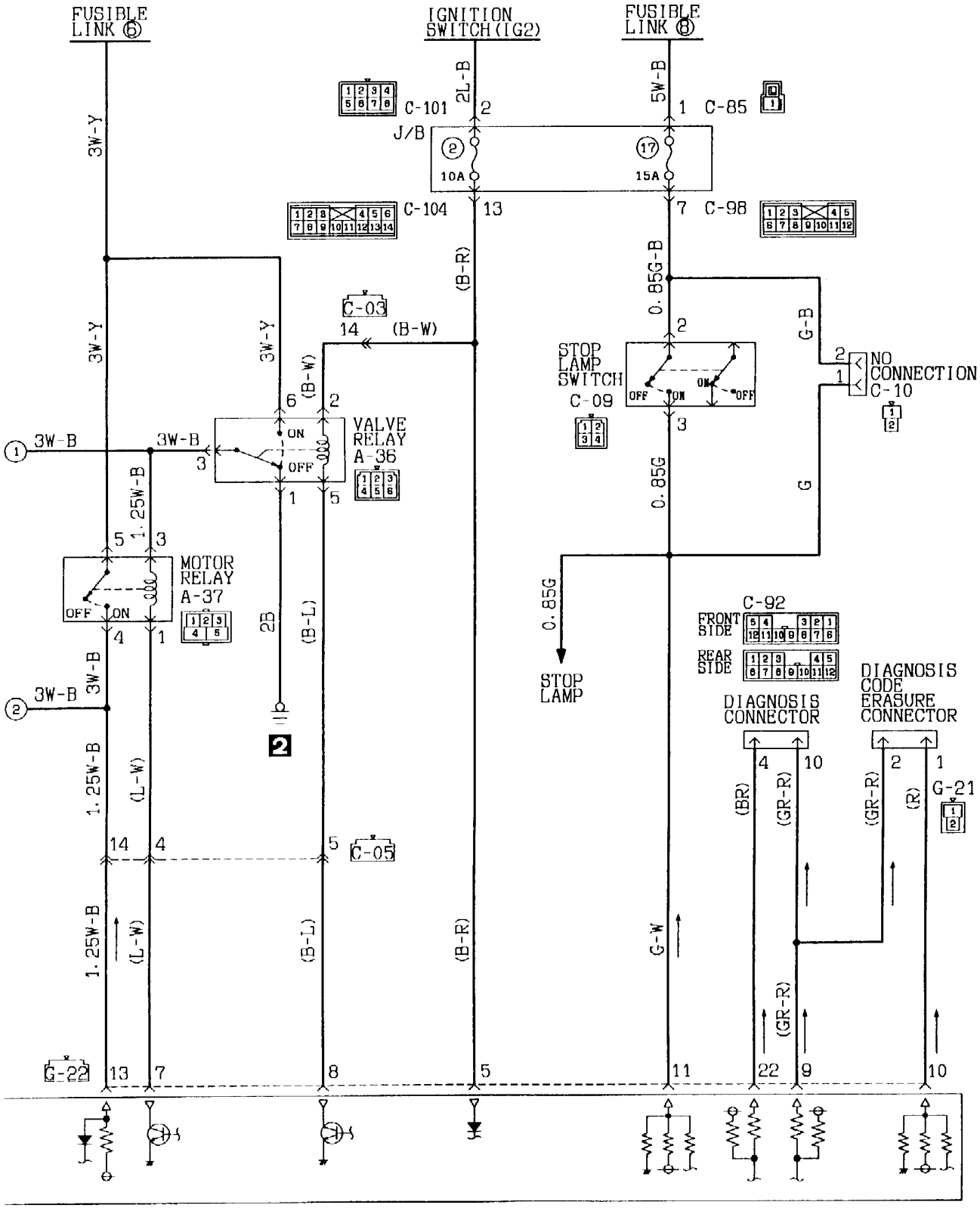

5V
5V
GND
4 G-11
G-14 152
59 G-12
(W)
W
1.25B
2B
(G-R)
C-03 16
(F) W
2
ALTERNATOR
B-22
VOLTAGE REGULATOR
7
WITHOUT ABS
WITH ABS
(G-R)
(G-R)
18 E-23
(G-R)
(G-R)
(G-R)
(G-R)
1
1
1
1
E-11
E-22
E-13
E-14
OFF
ON
ON
(RH)
(LH)
(RH)
(LH)
FRONT DOOR SWITCH
REAR DOOR SWITCH

37 ANTI-SKID BRAKE SYSTEM CIRCUIT

37-1 L.H. drive vehicles

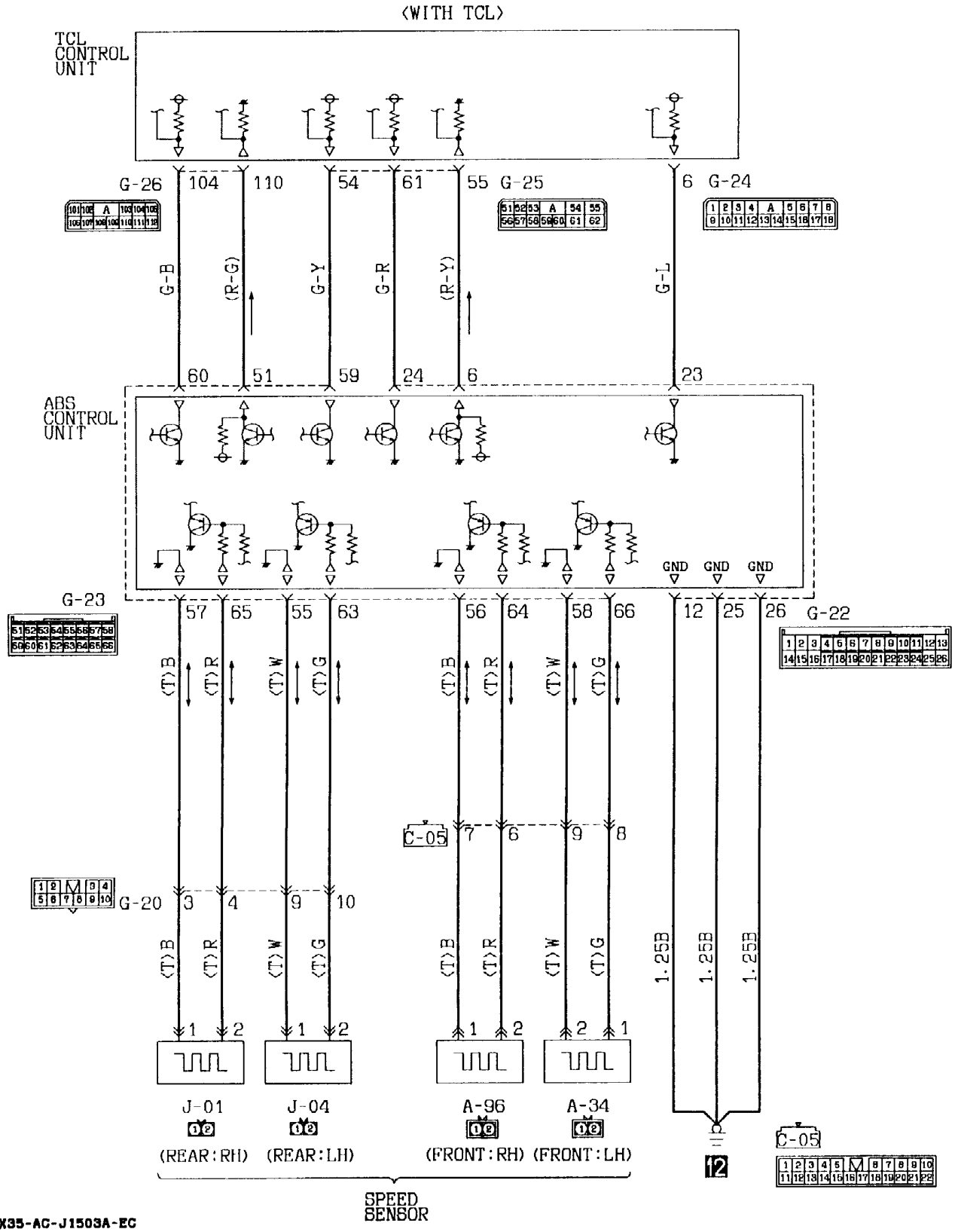


KX35-AC-J1503-EC



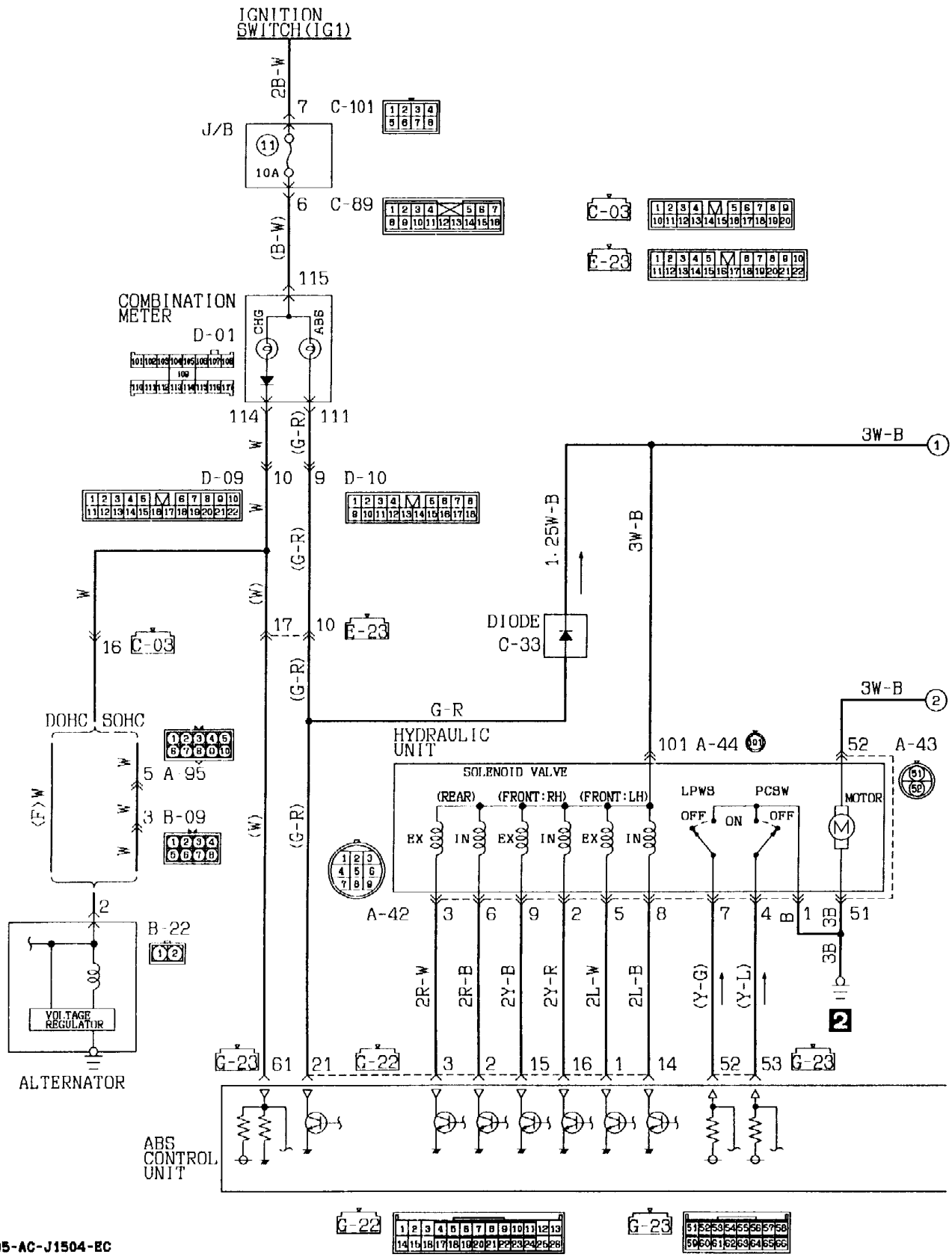
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

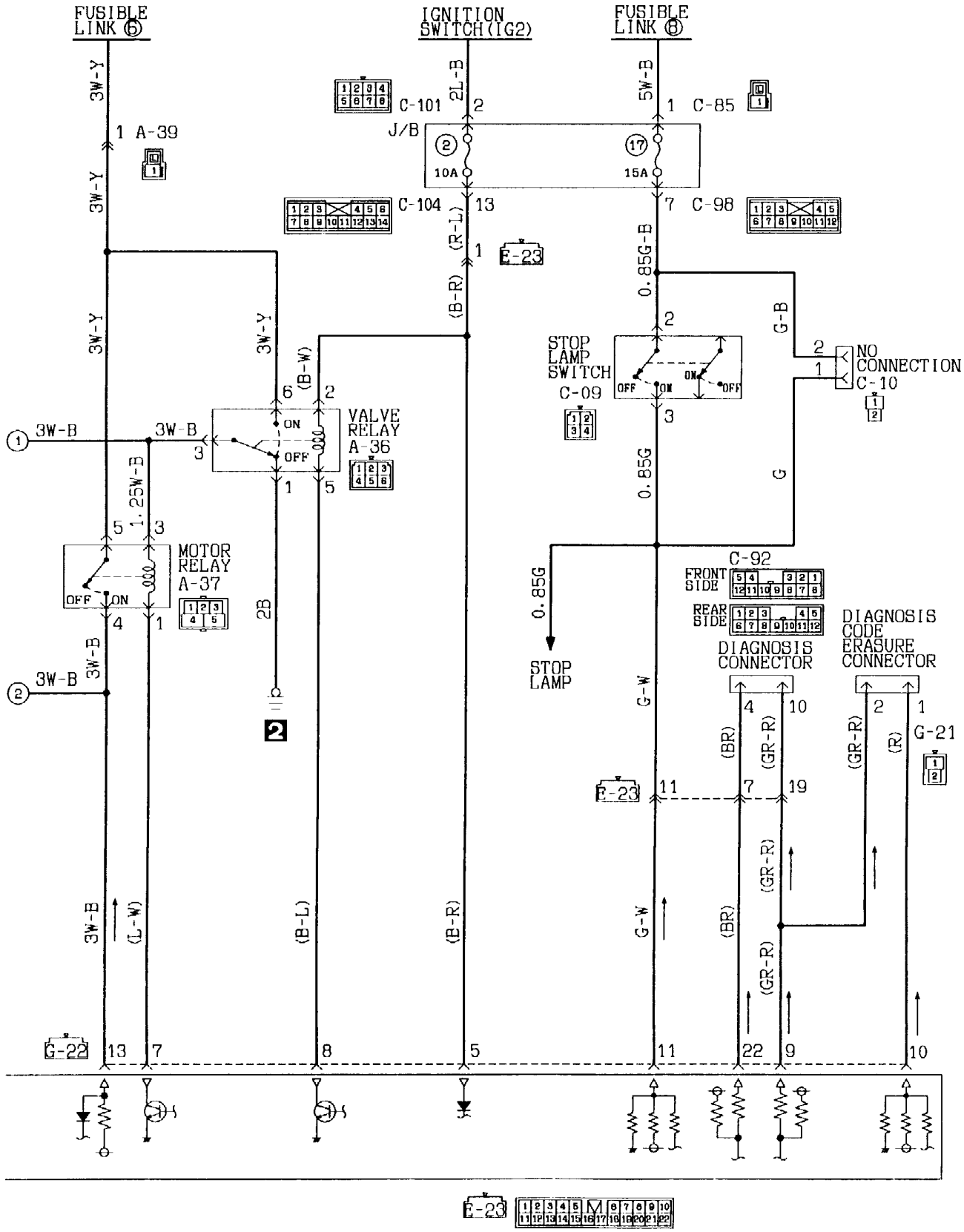


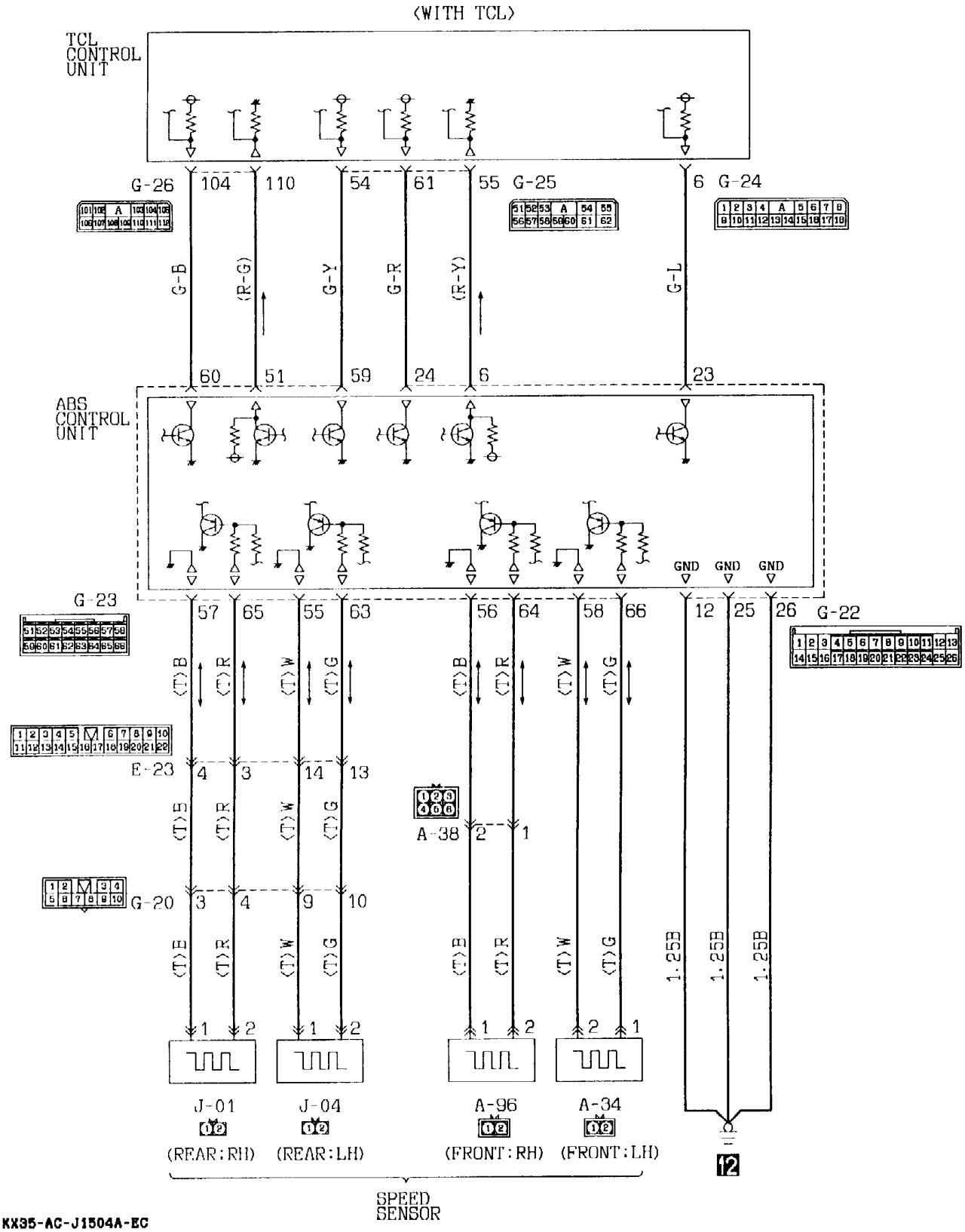
KX35-AC-J1503A-EC

37-2 R.H. drive vehicles



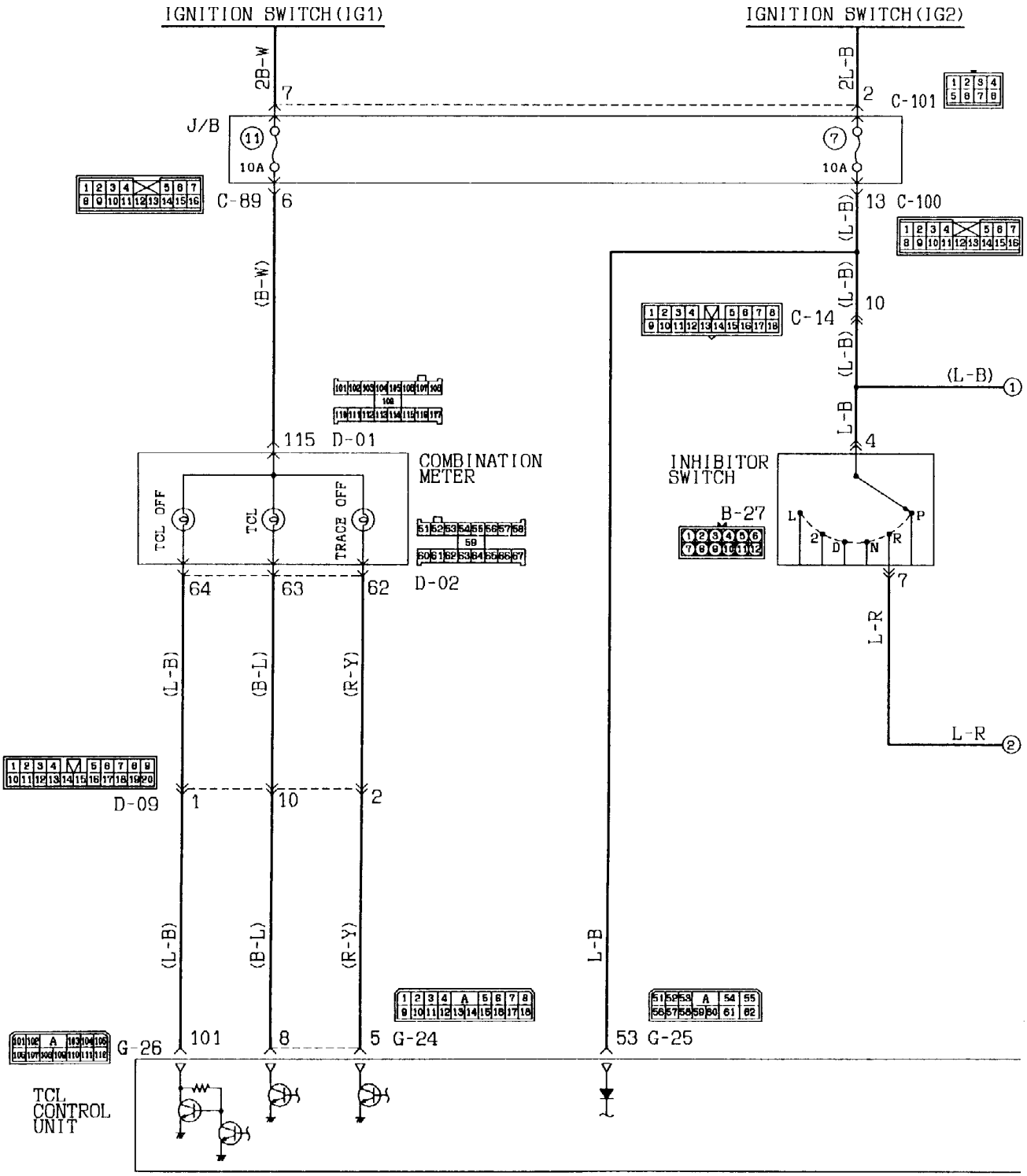
KX35-AC-J1504-EC





KX35-AC-J1504A-EC

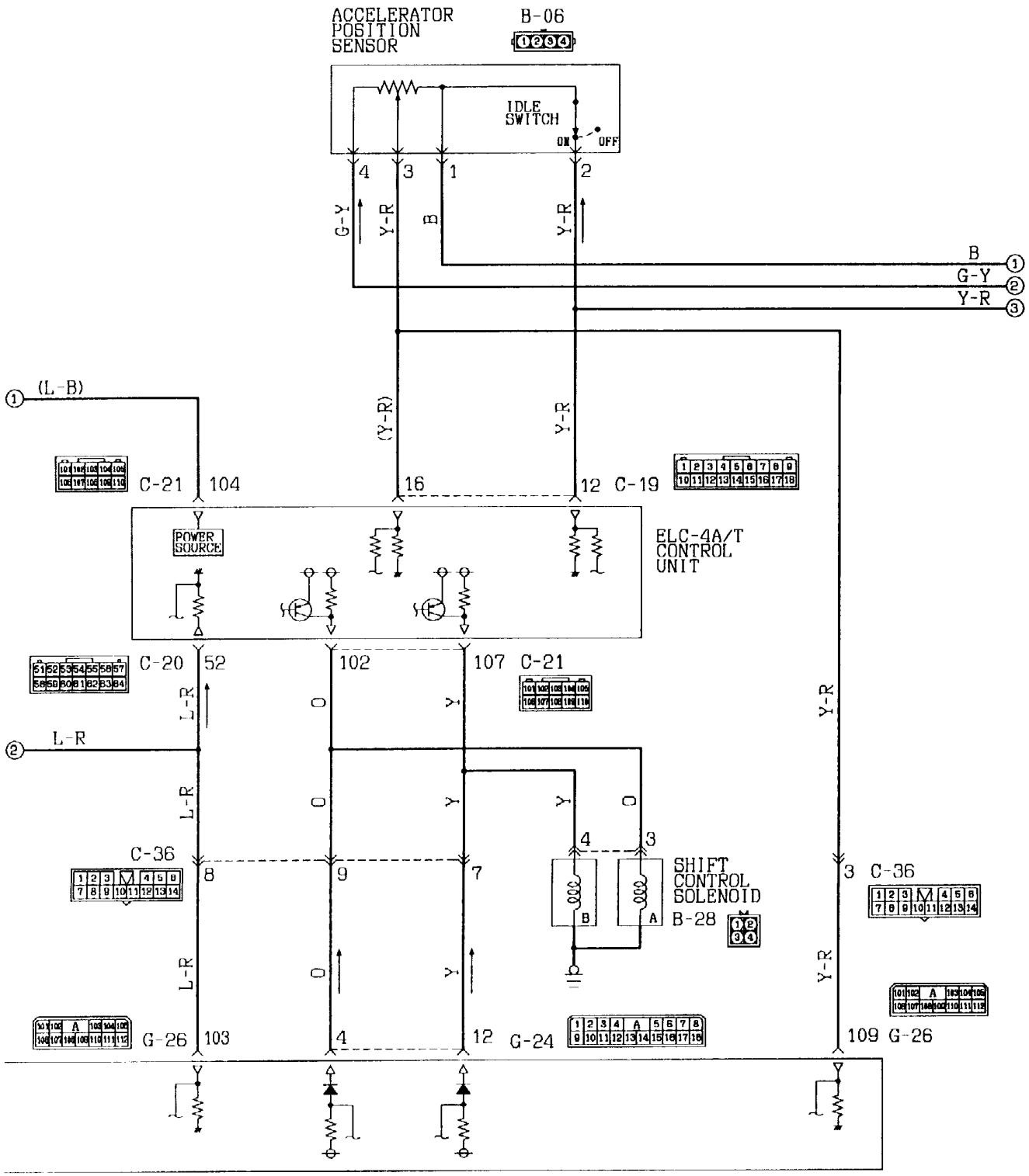
38 TRACTION CONTROL SYSTEM CIRCUIT
38-1 L.H. drive vehicles

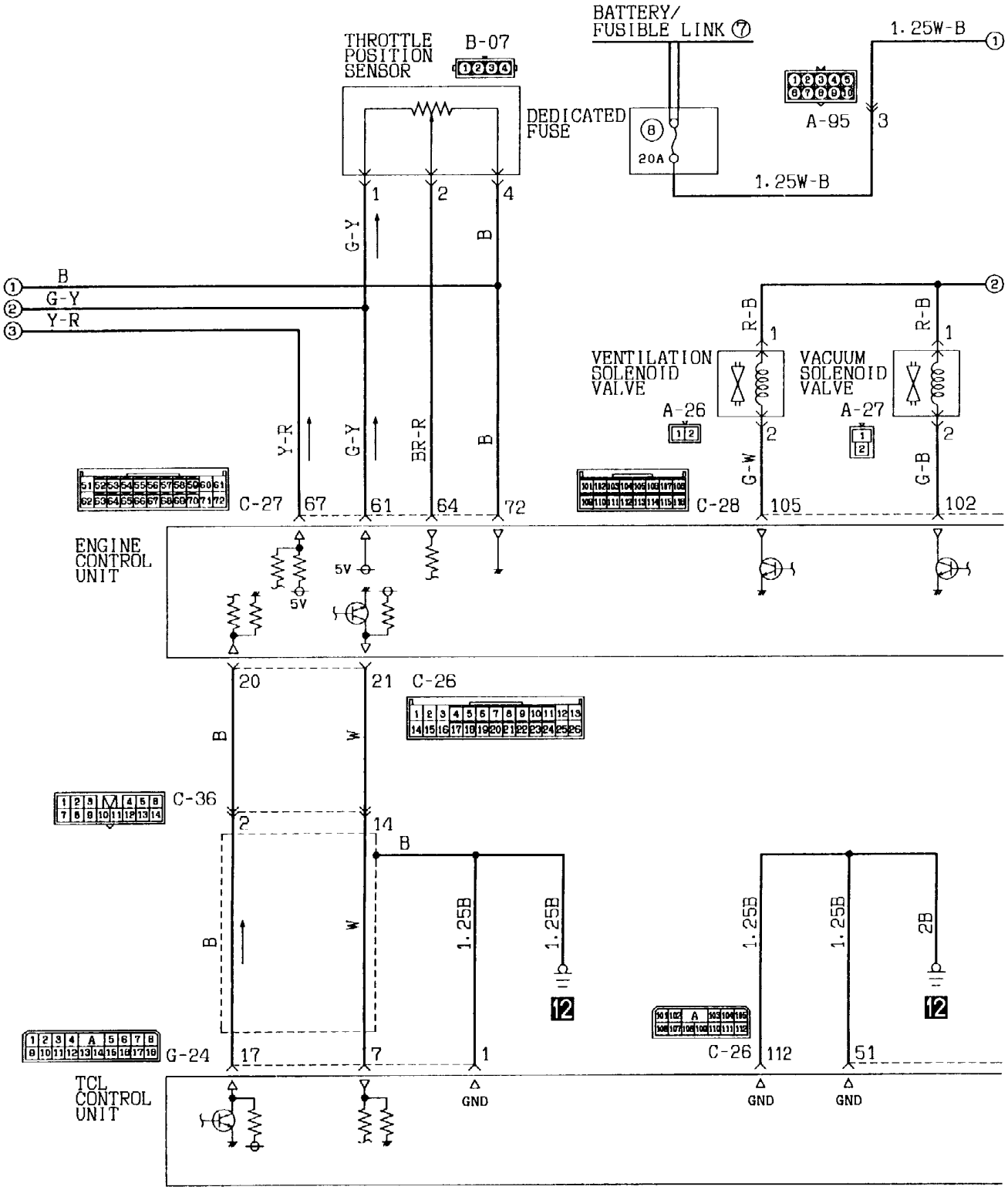


Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

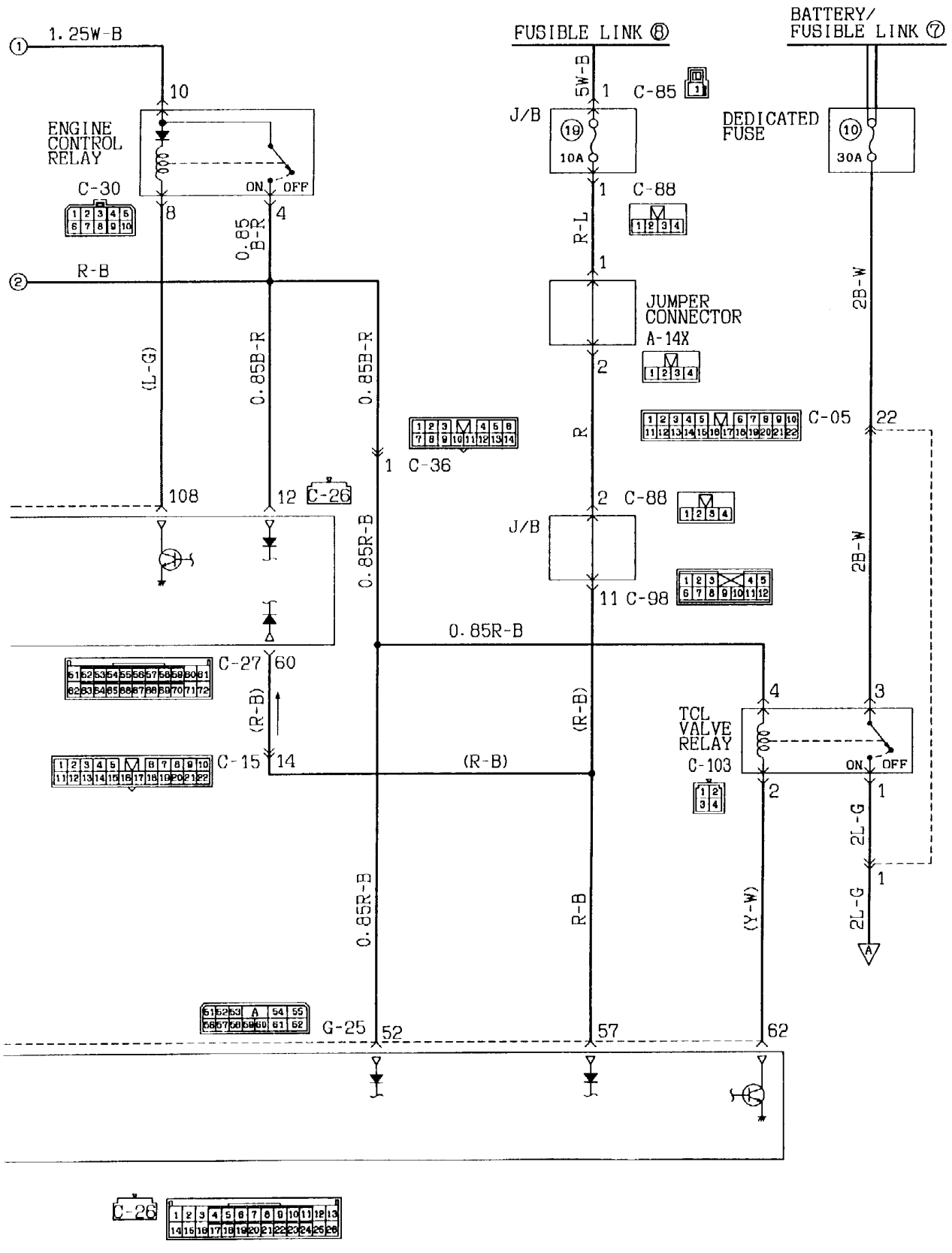
KX35-AC-J1505-EC

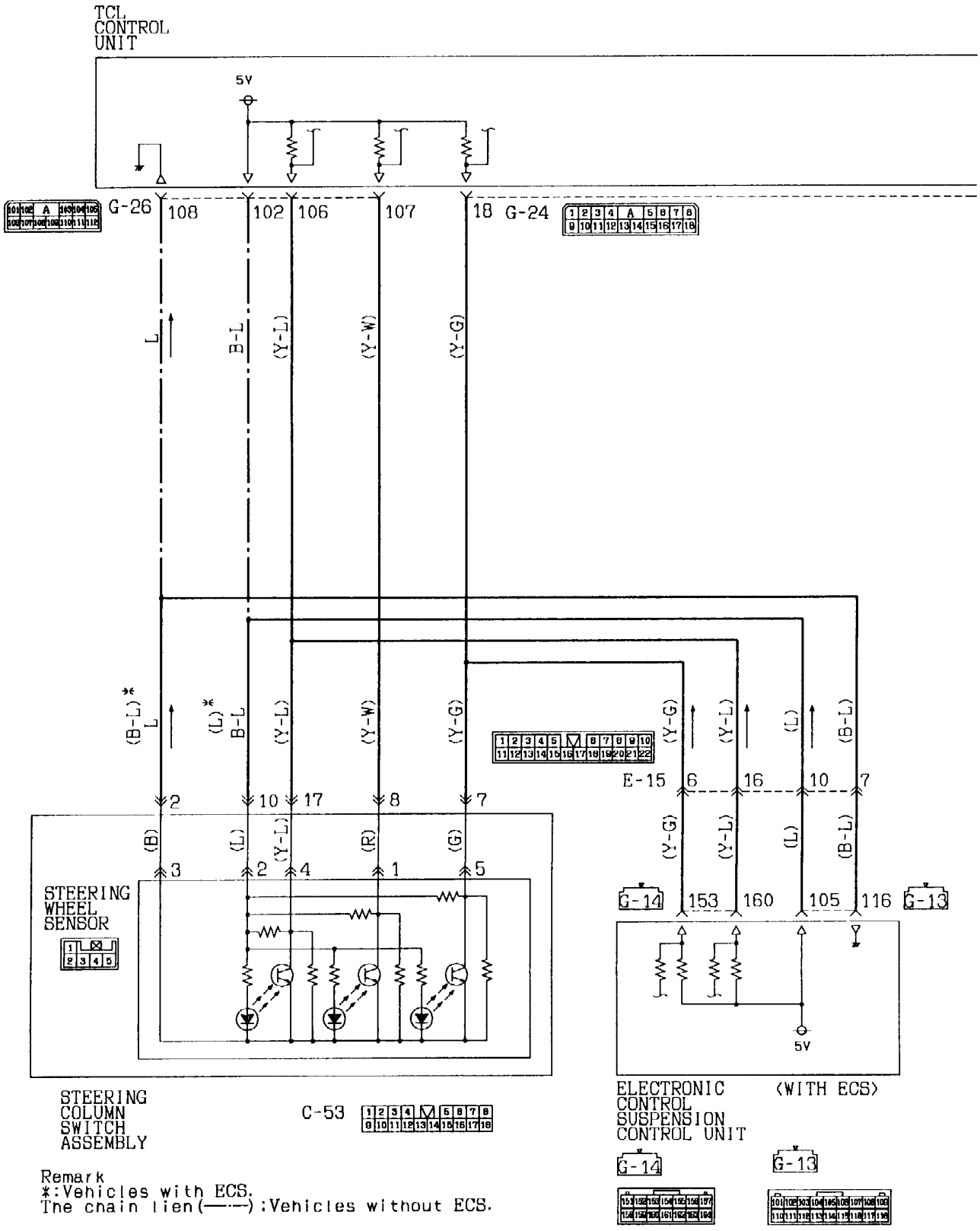

ACCELERATOR POSITION SENSOR
B-06
IDLE SWITCH
ON
OFF
4
3
1
2
G-Y
Y-R
B
Y-R
B
G-Y
Y-R
(L-B)
(Y-R)
Y-R
C-21
104
16
12
C-19
POWER SOURCE
ELC-4A/T CONTROL UNIT
C-20
52
102
107
C-21
L-R
L-R
O
Y
Y
O
Y-R
C-36
8
9
7
4
3
SHIFT CONTROL SOLENOID
B-28
B
A
3
C-36
L-R
O
Y
O
Y-R
G-26
103
4
12
G-24
109
G-26



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

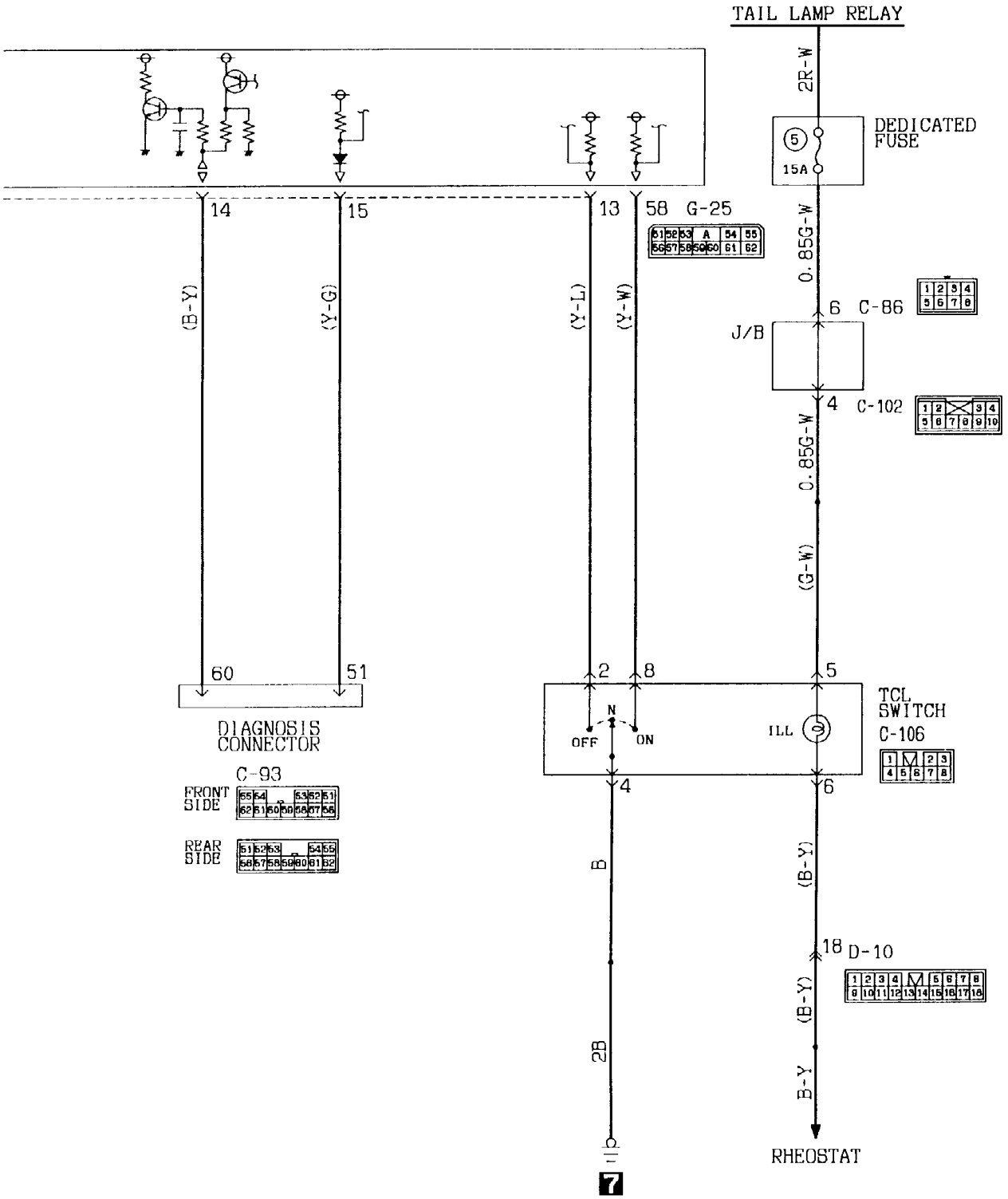
KX35-AC-J1505A-EC



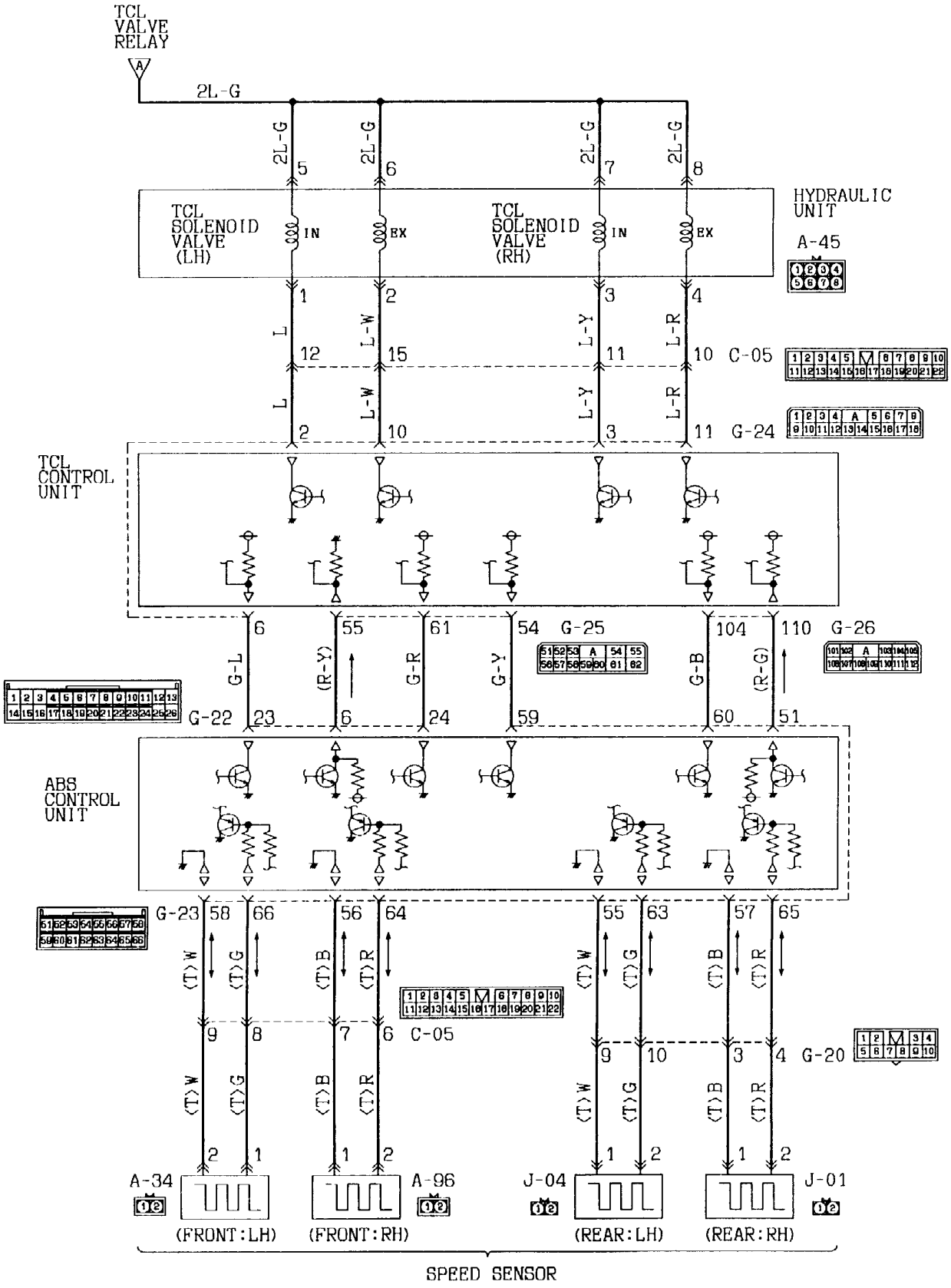


Remark
*:Vehicles with ECS.
The chain lien(——·——):Vehicles without ECS.

KX35-AC-J1505B-EC



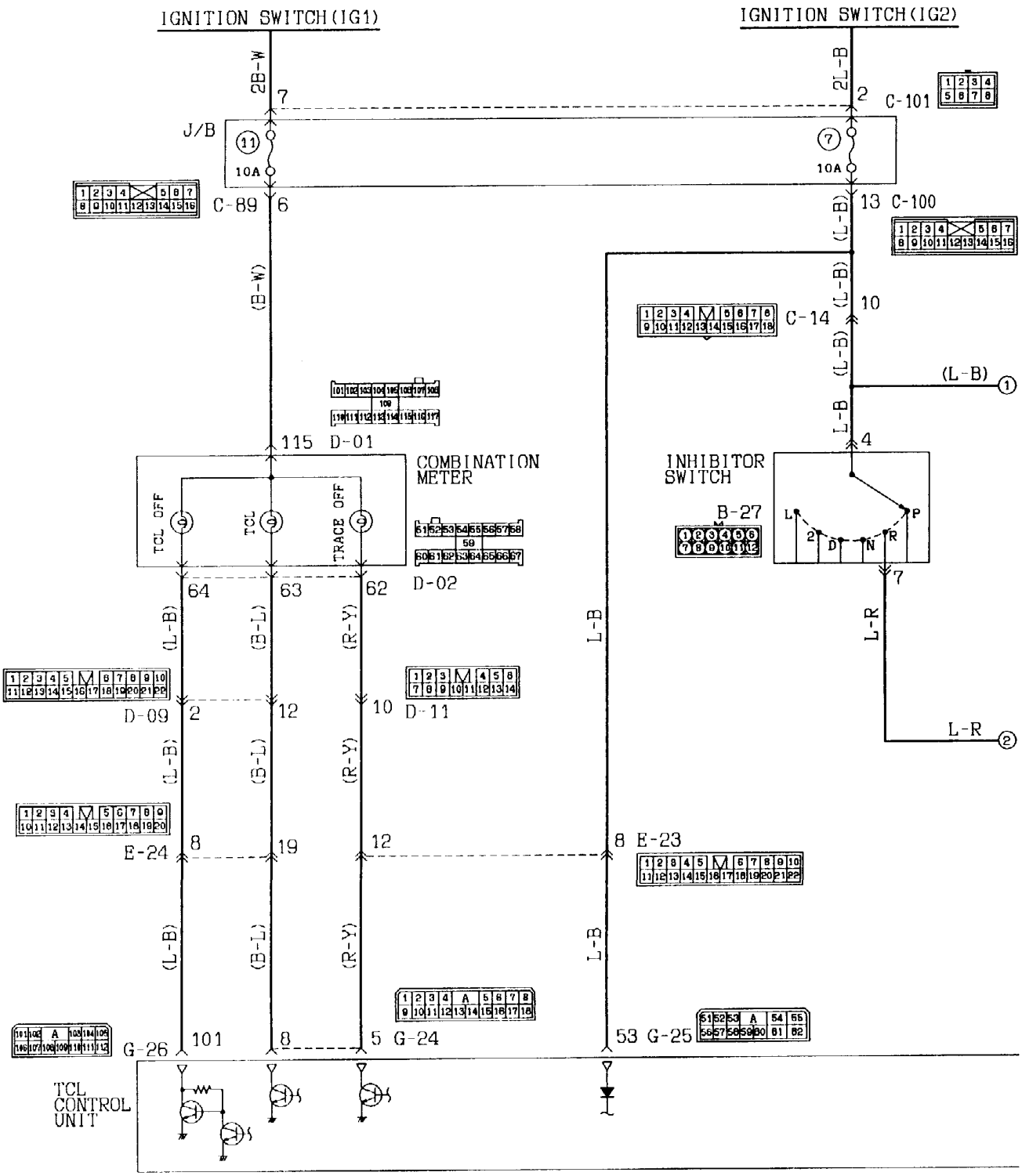
Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J1505C-EC

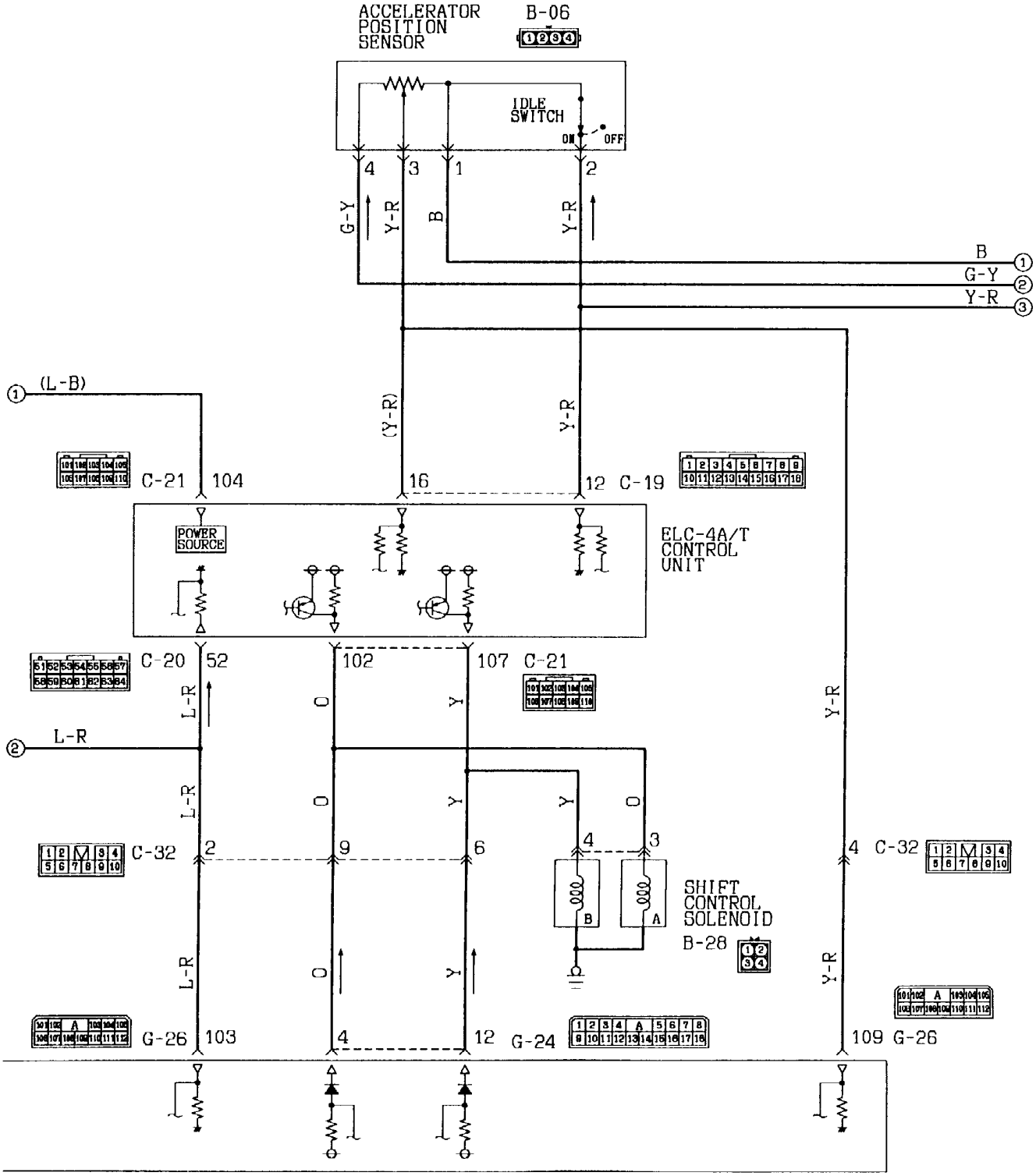
38-2 R.H. drive vehicles

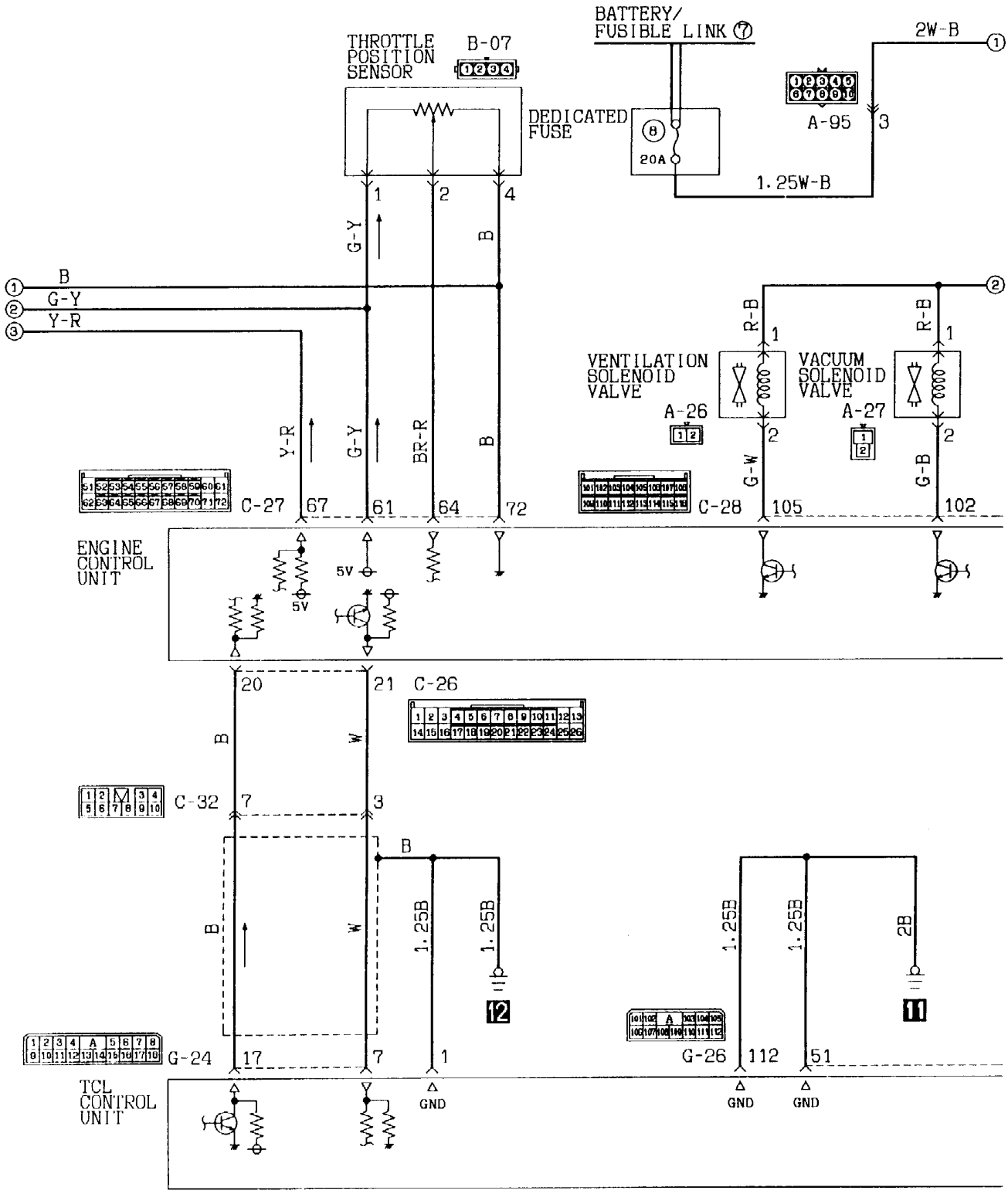


Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

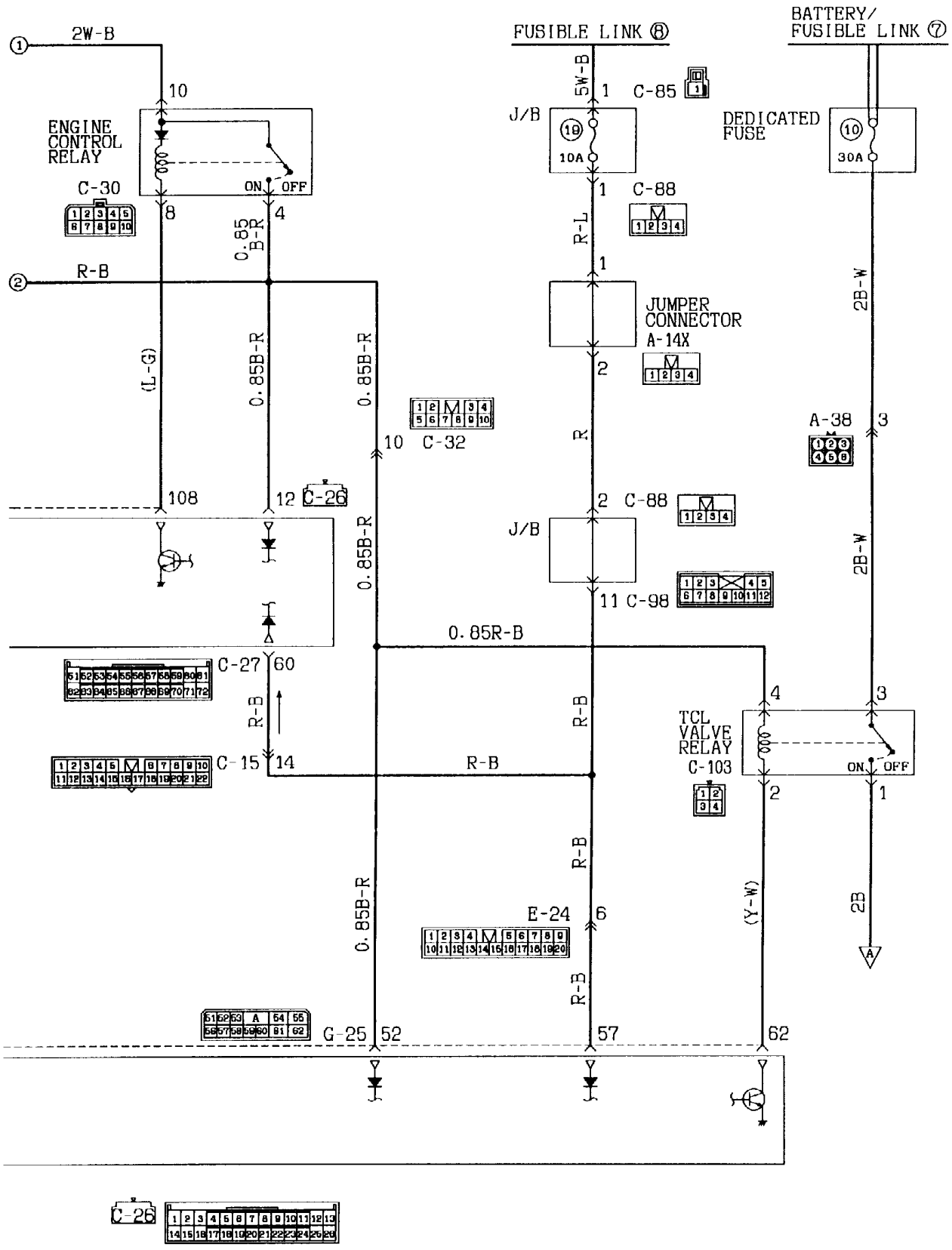
KX35-AC-J1506-EC

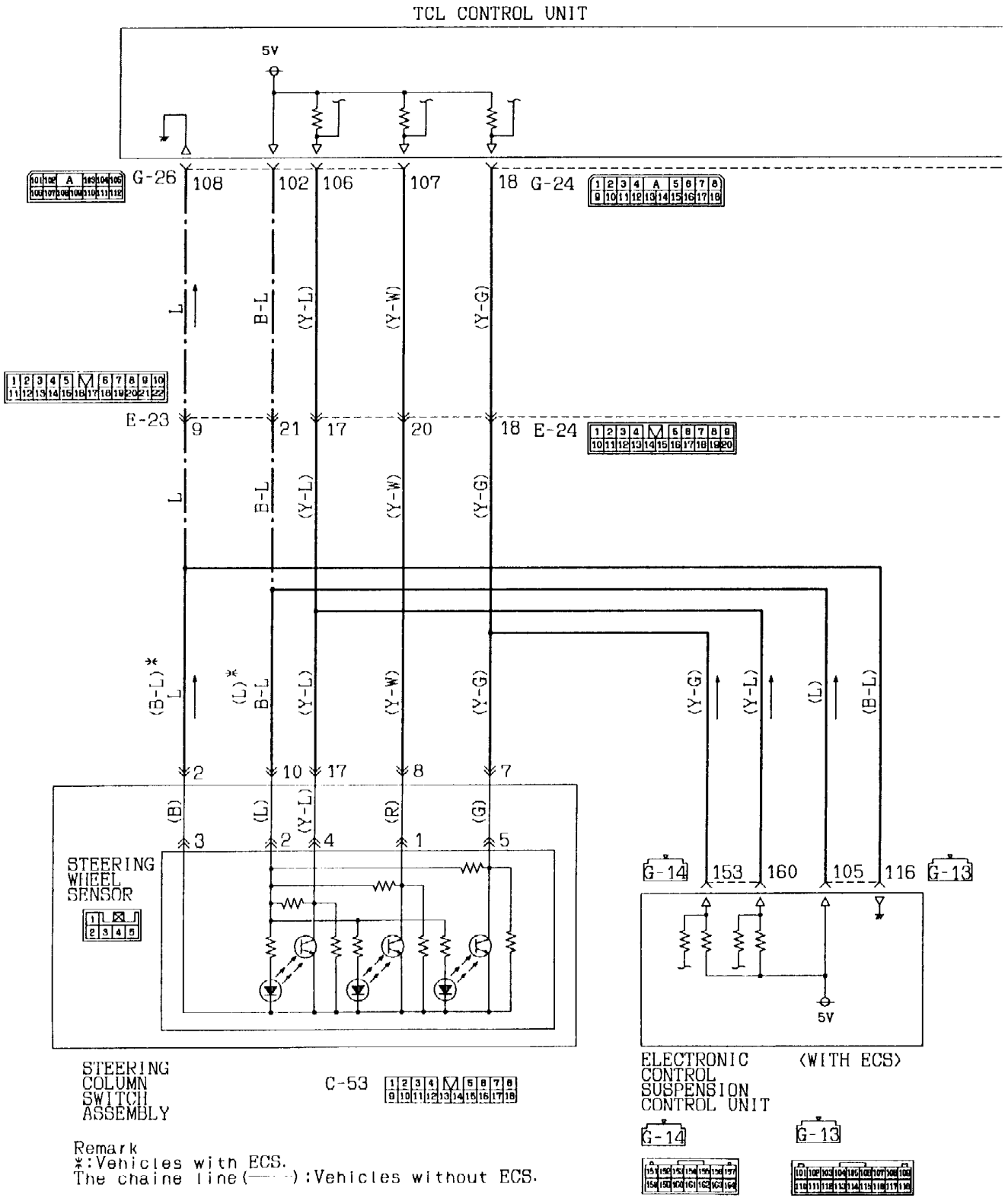




Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

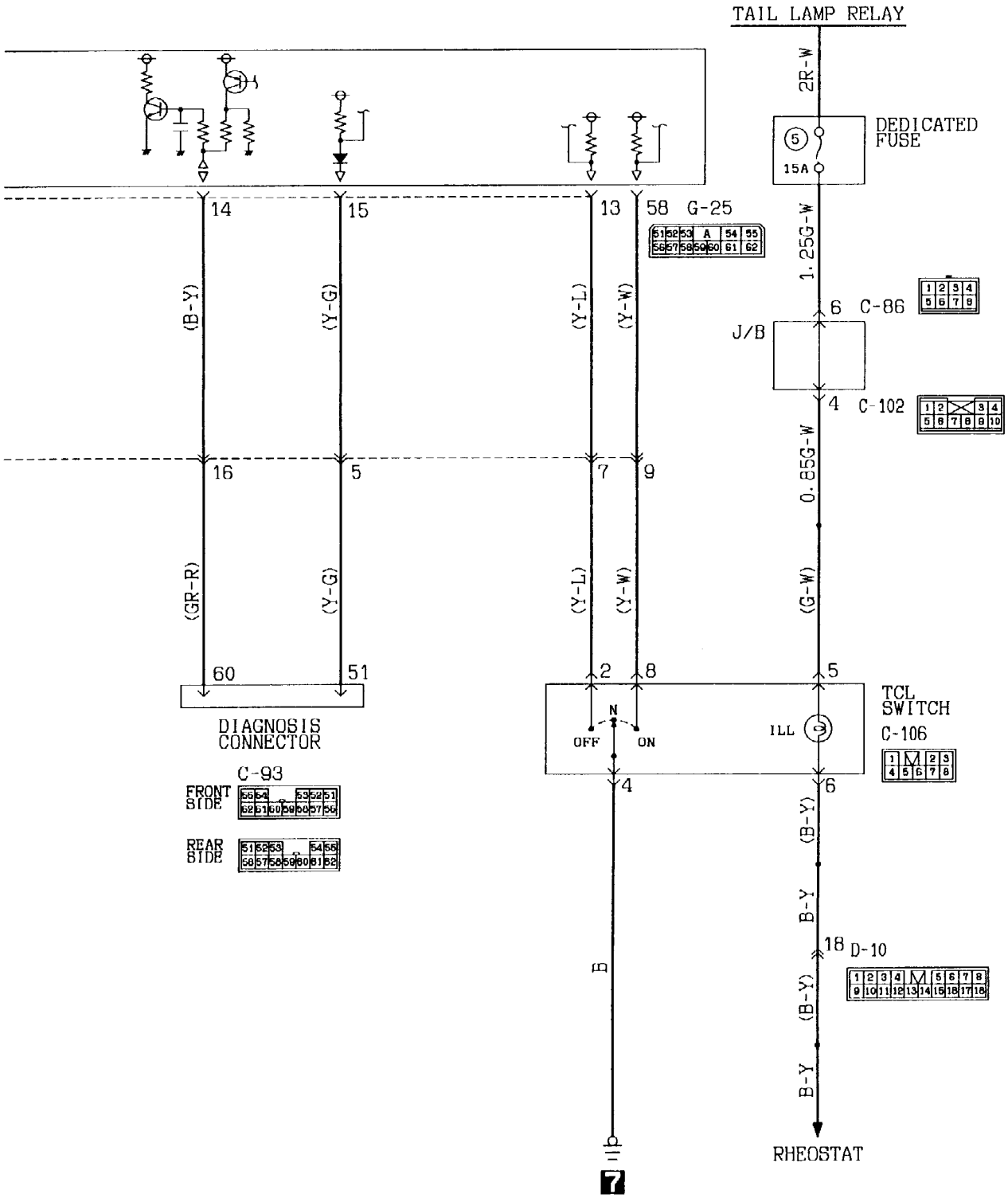
KX35-AC-J1506A-EC



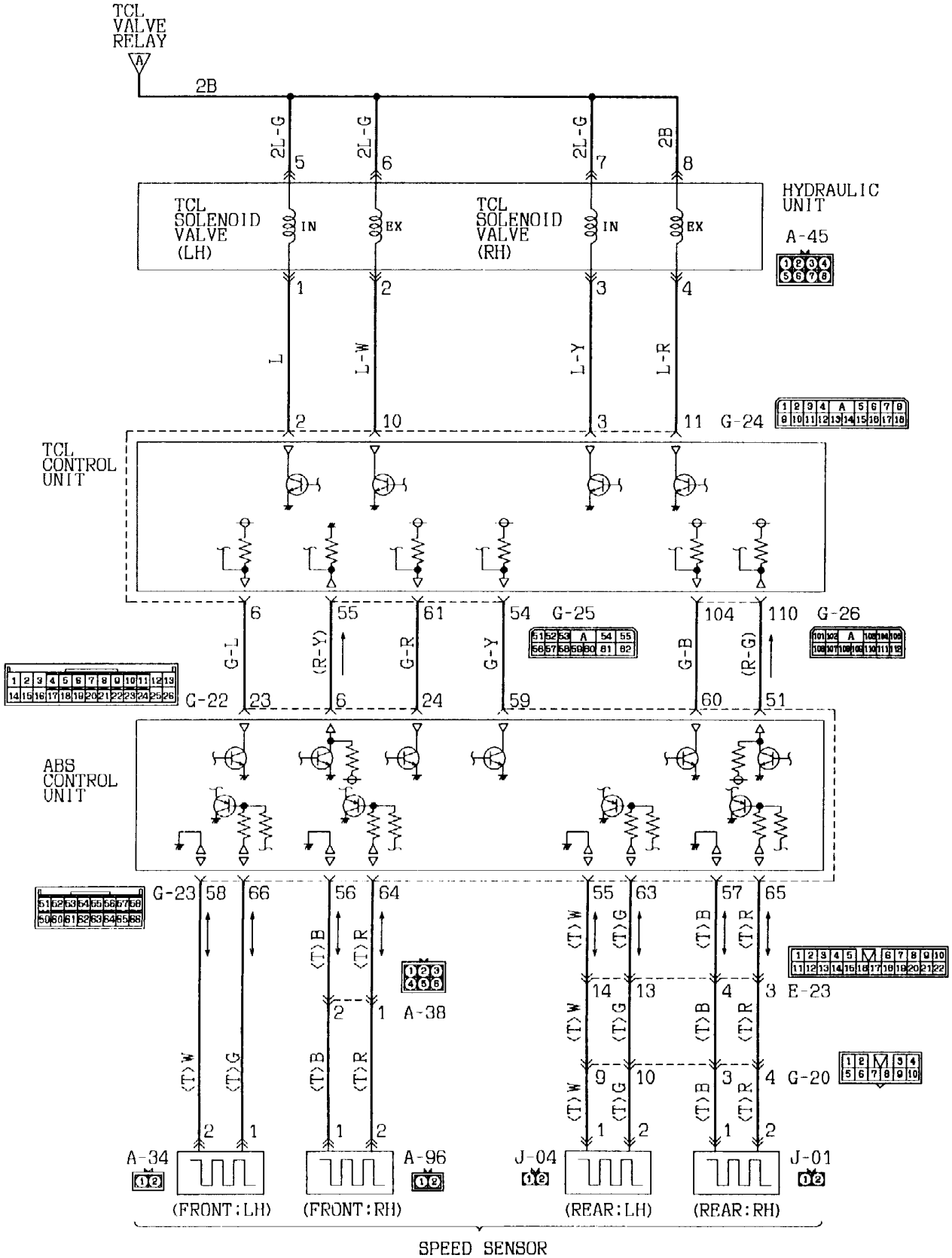


Remark
*:Vehicles with ECS.
The chaine line(— · —):Vehicles without ECS.

KX35-AC-J1508B-EC



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet



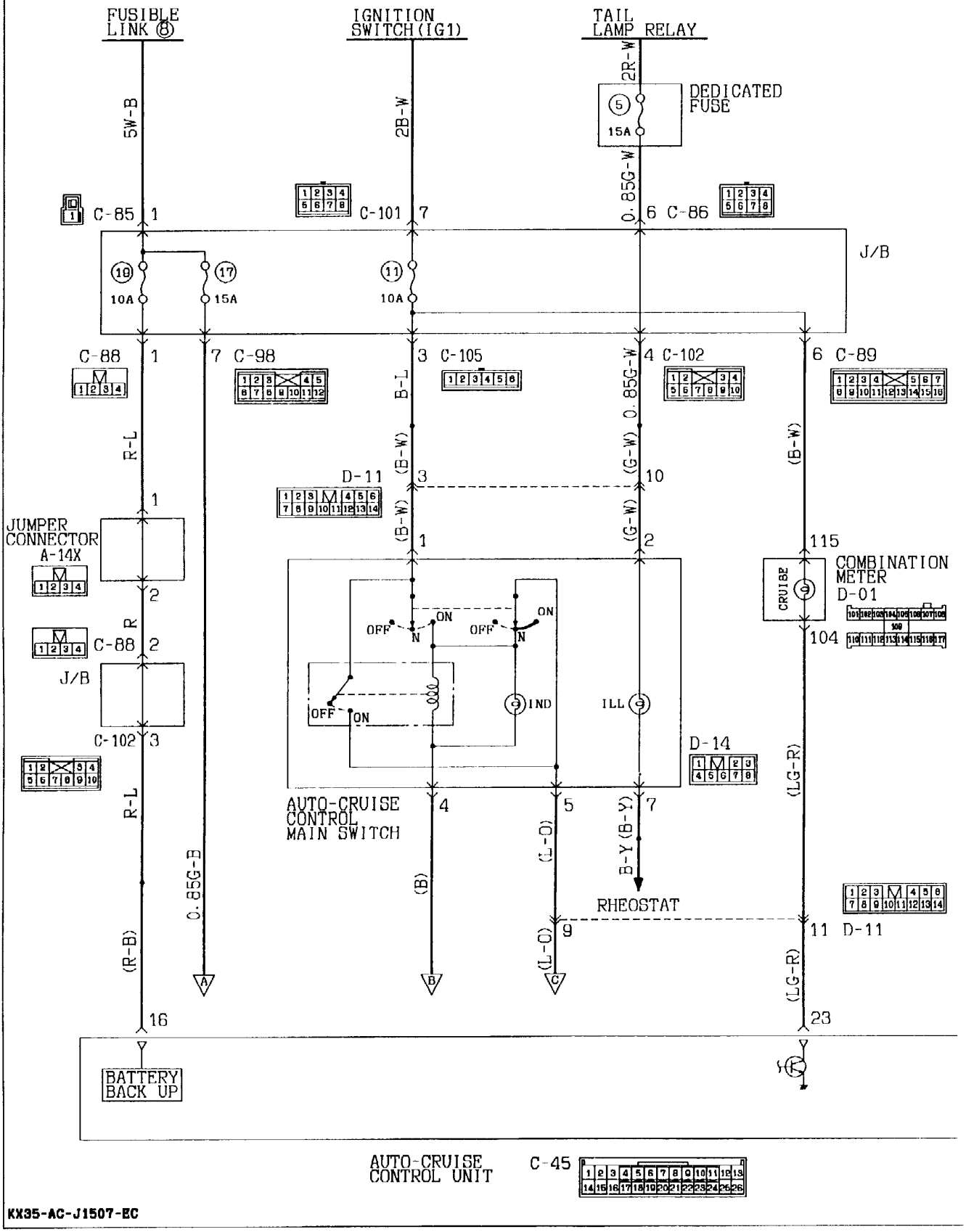
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

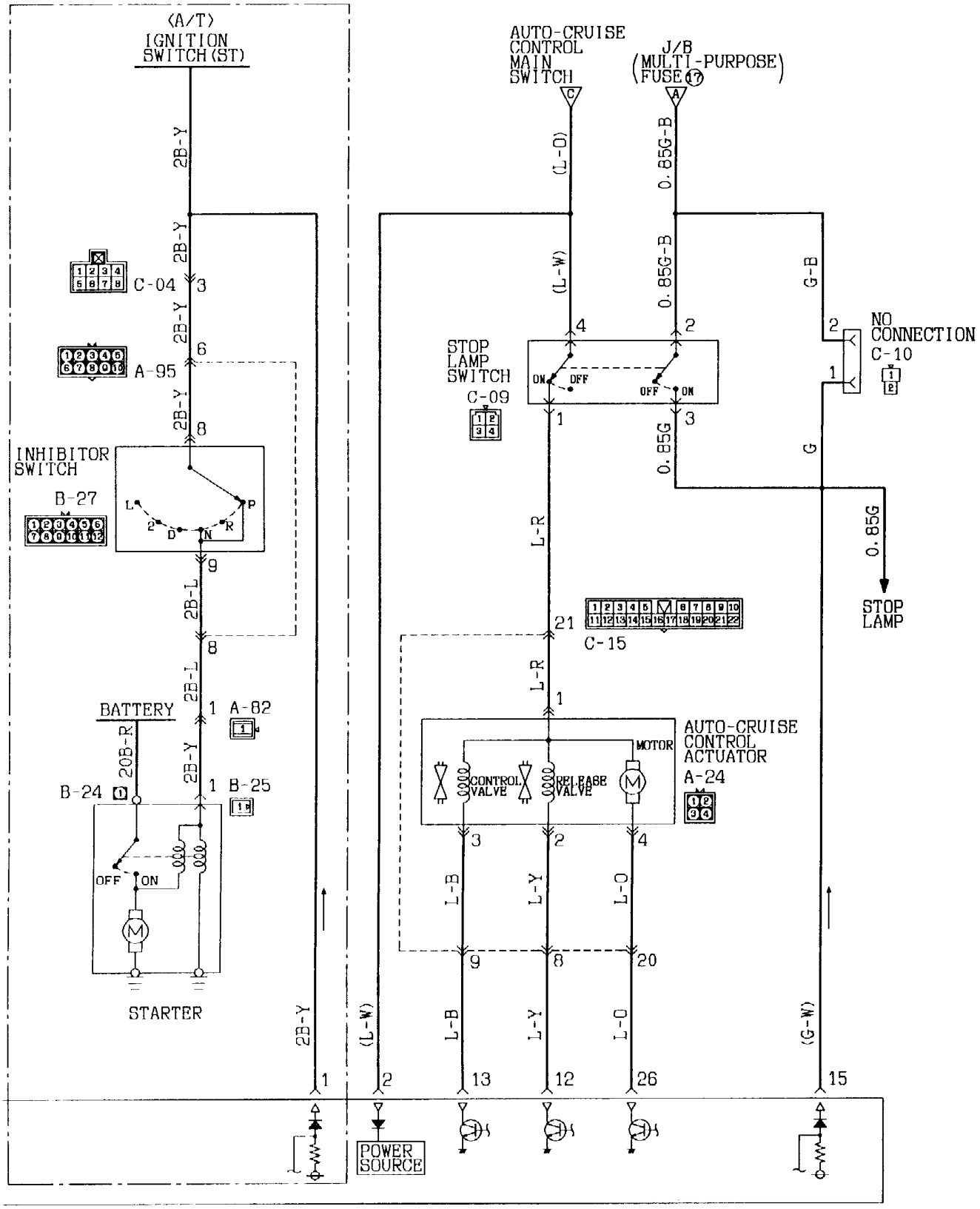
KX35-AC-J1506C-EC

39 AUTO-CRUISE CONTROL CIRCUIT

39-1 L.H. drive vehicles

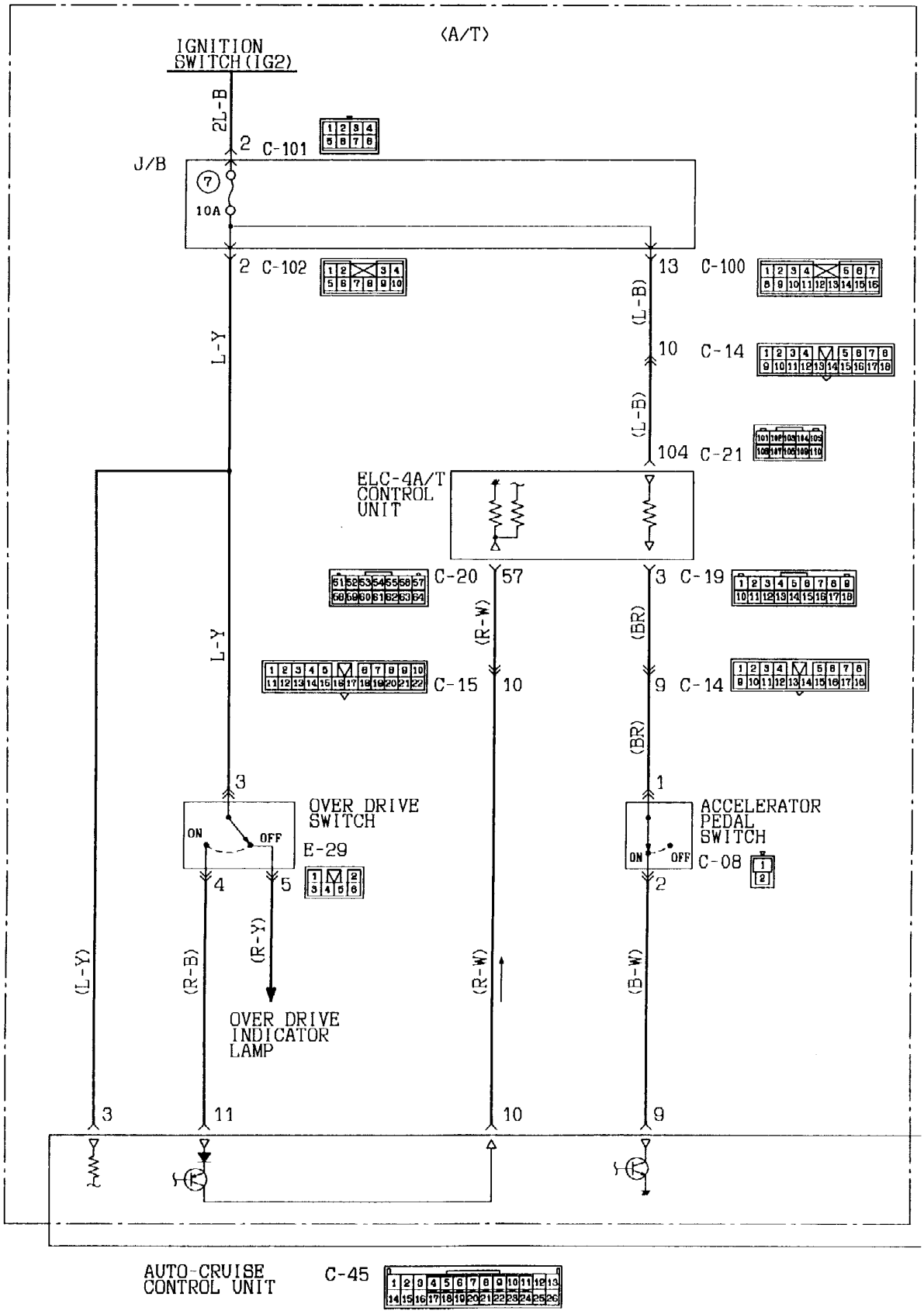


KX35-AC-J1507-EC

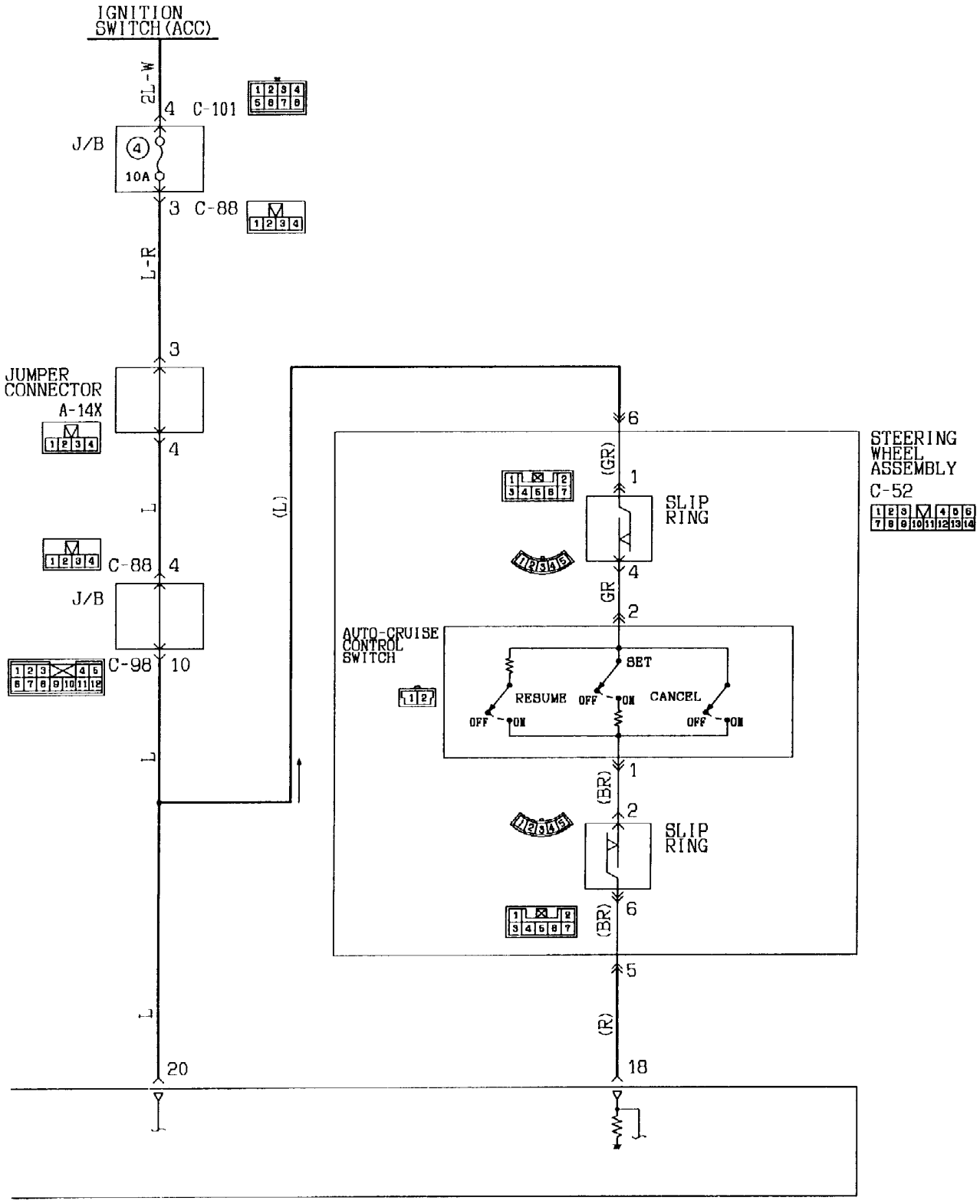


Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

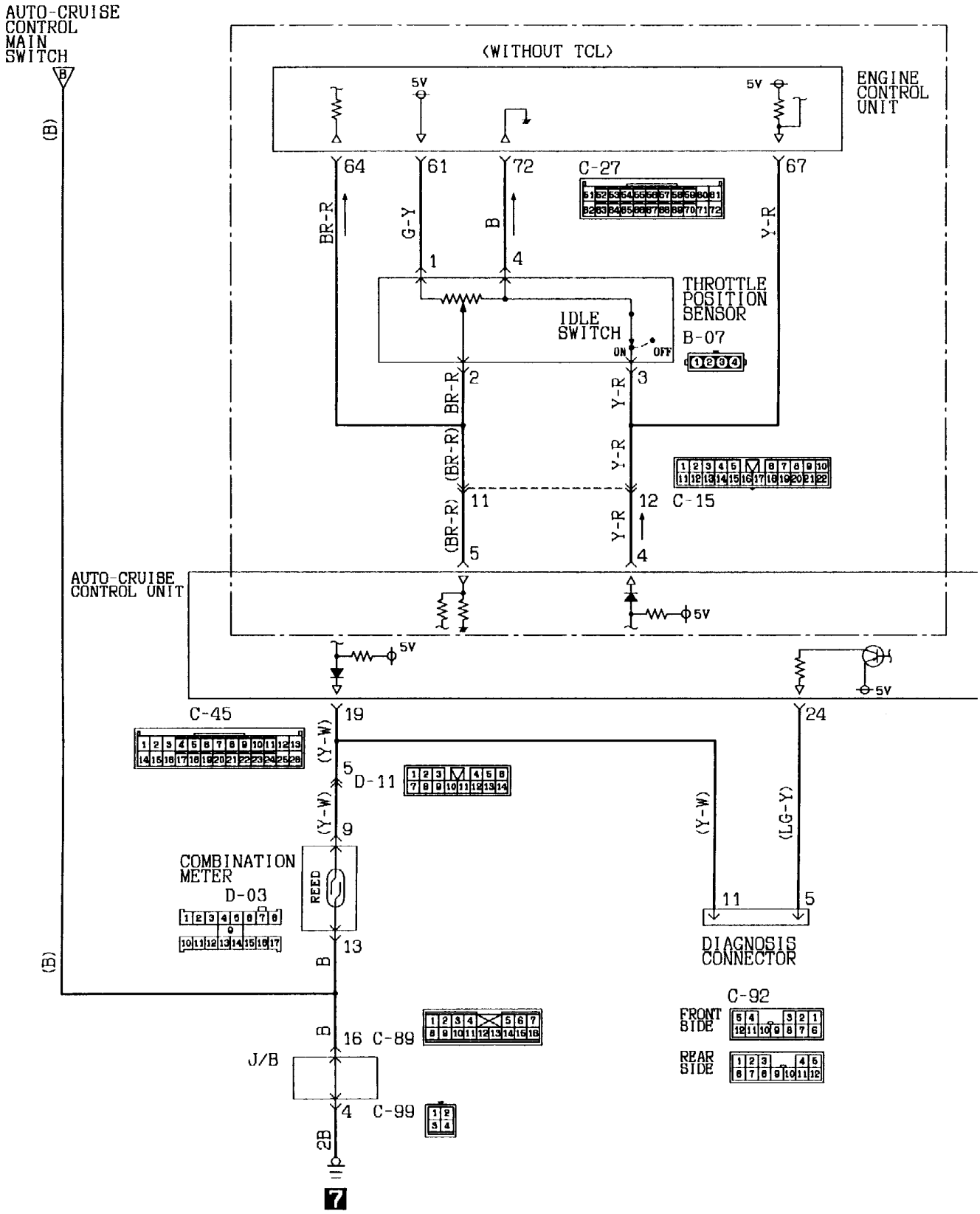


KX35-AC-J1507A-EC



Wire colour code

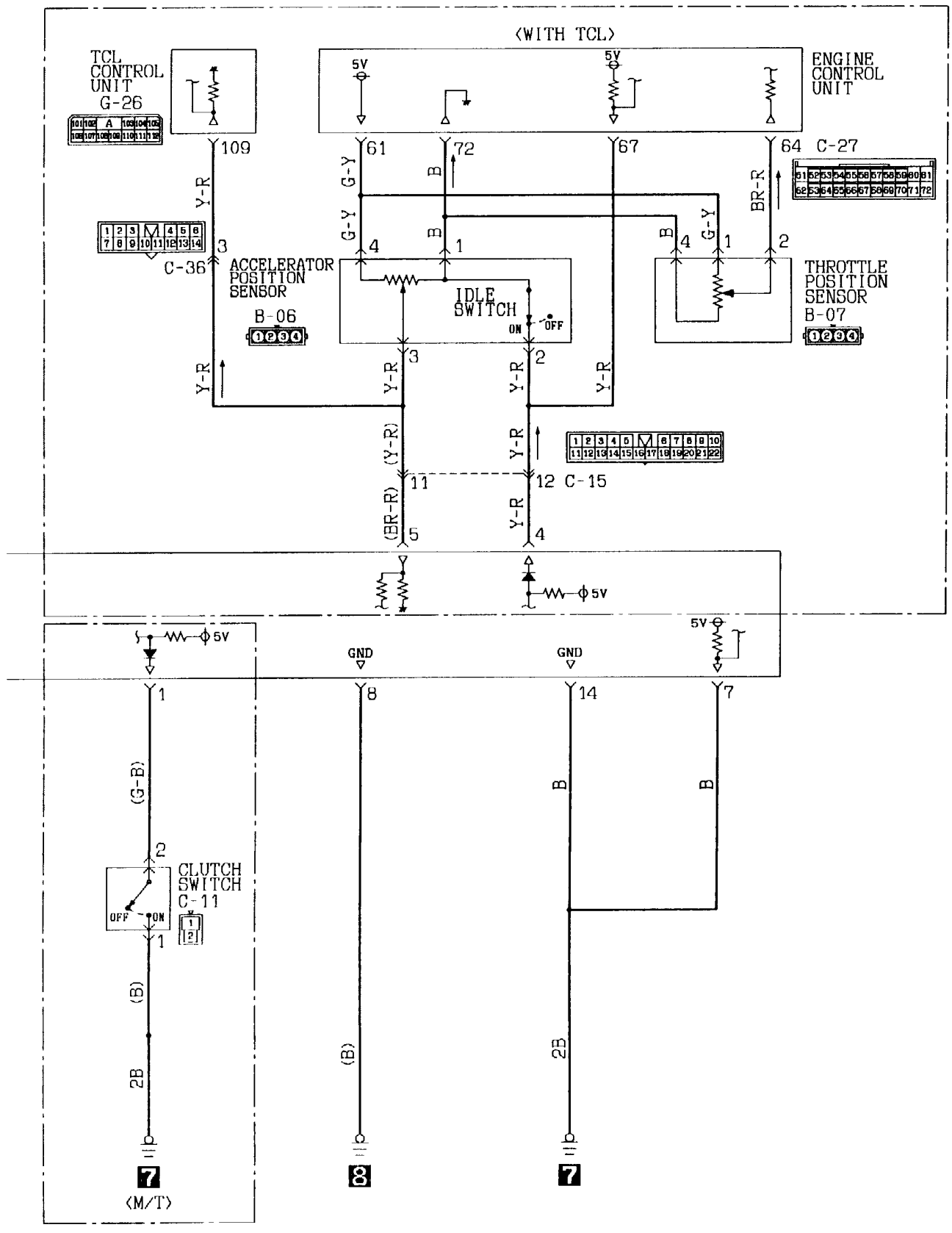
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

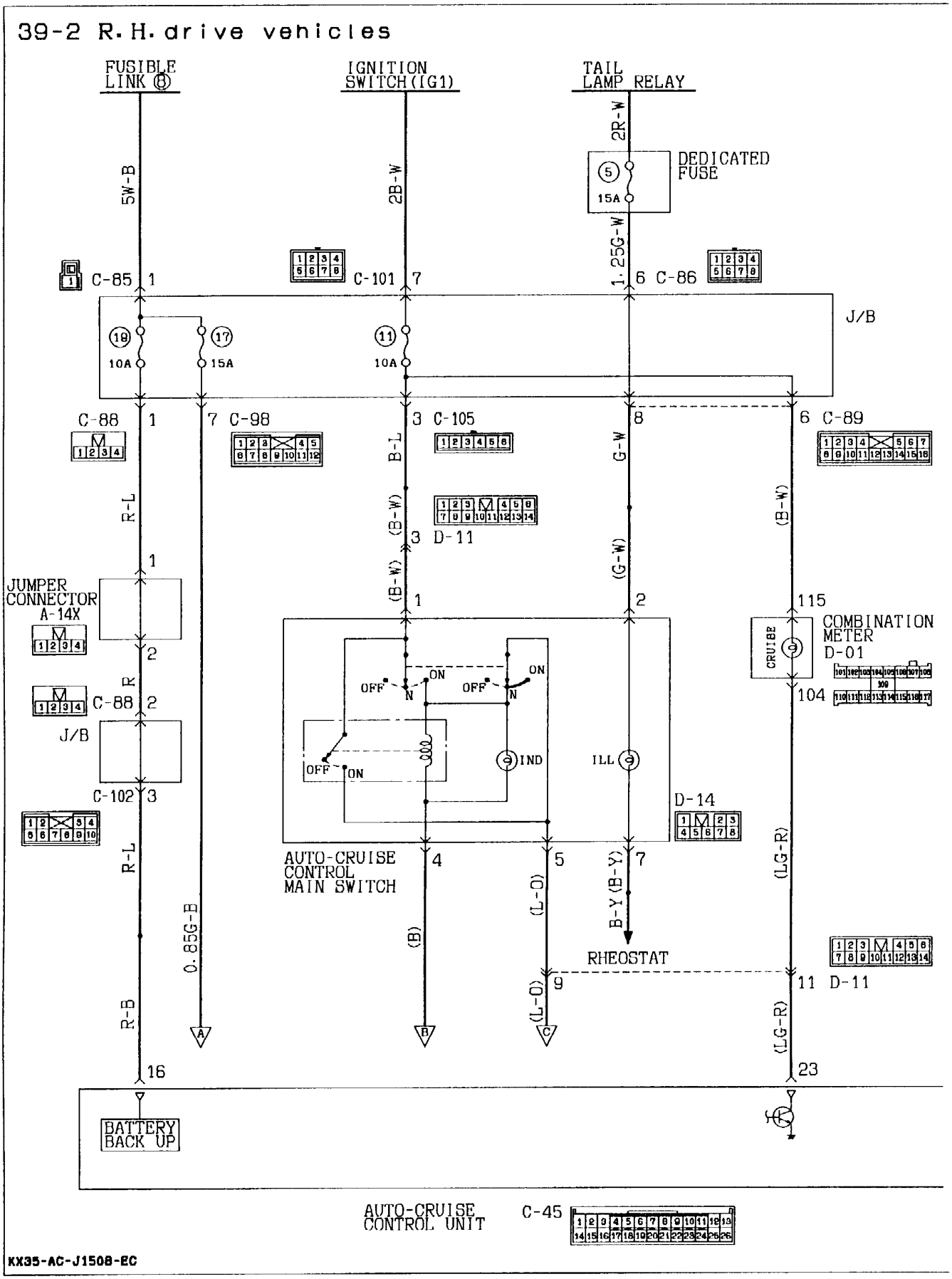


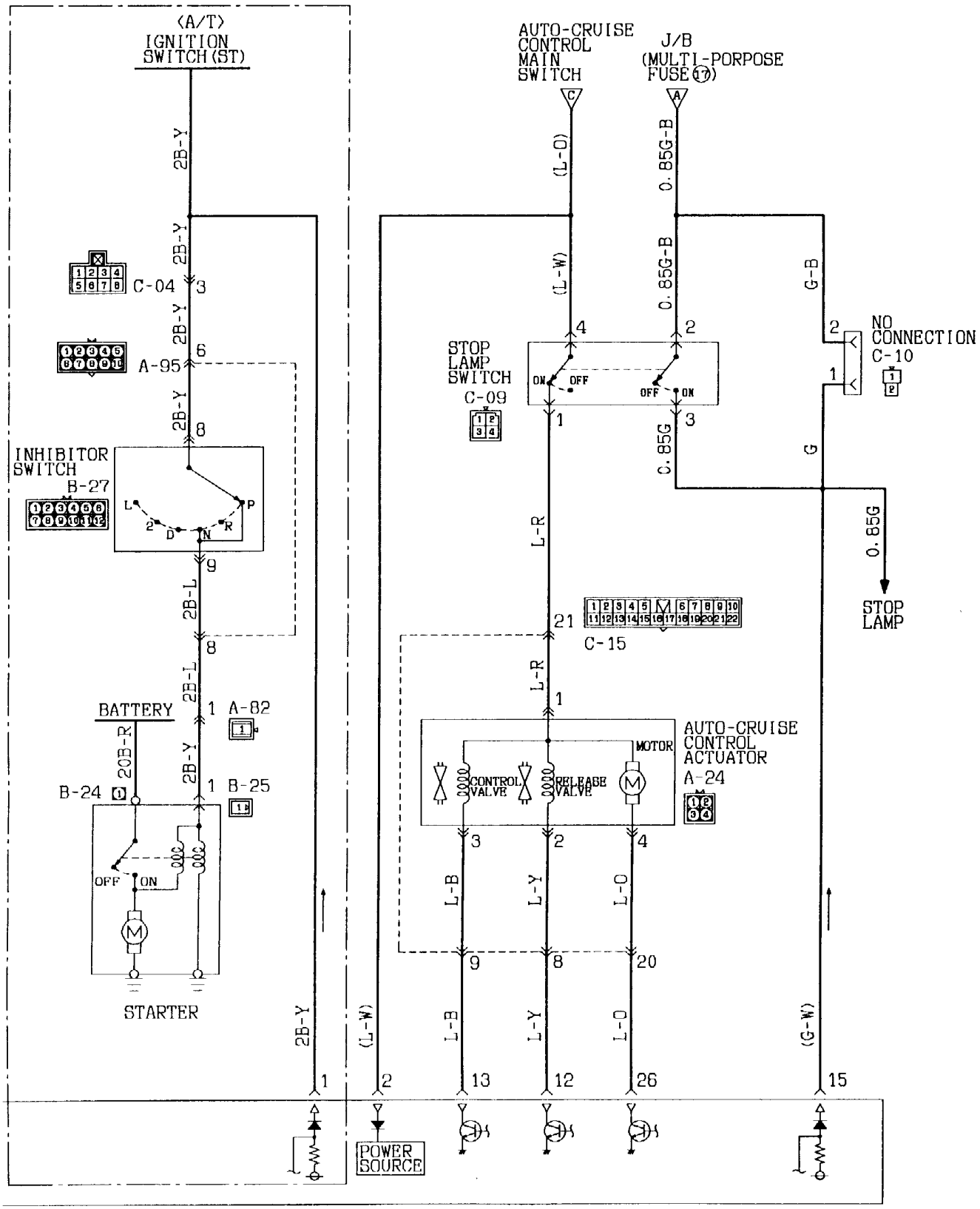
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

KX35-AC-J1507B-EC

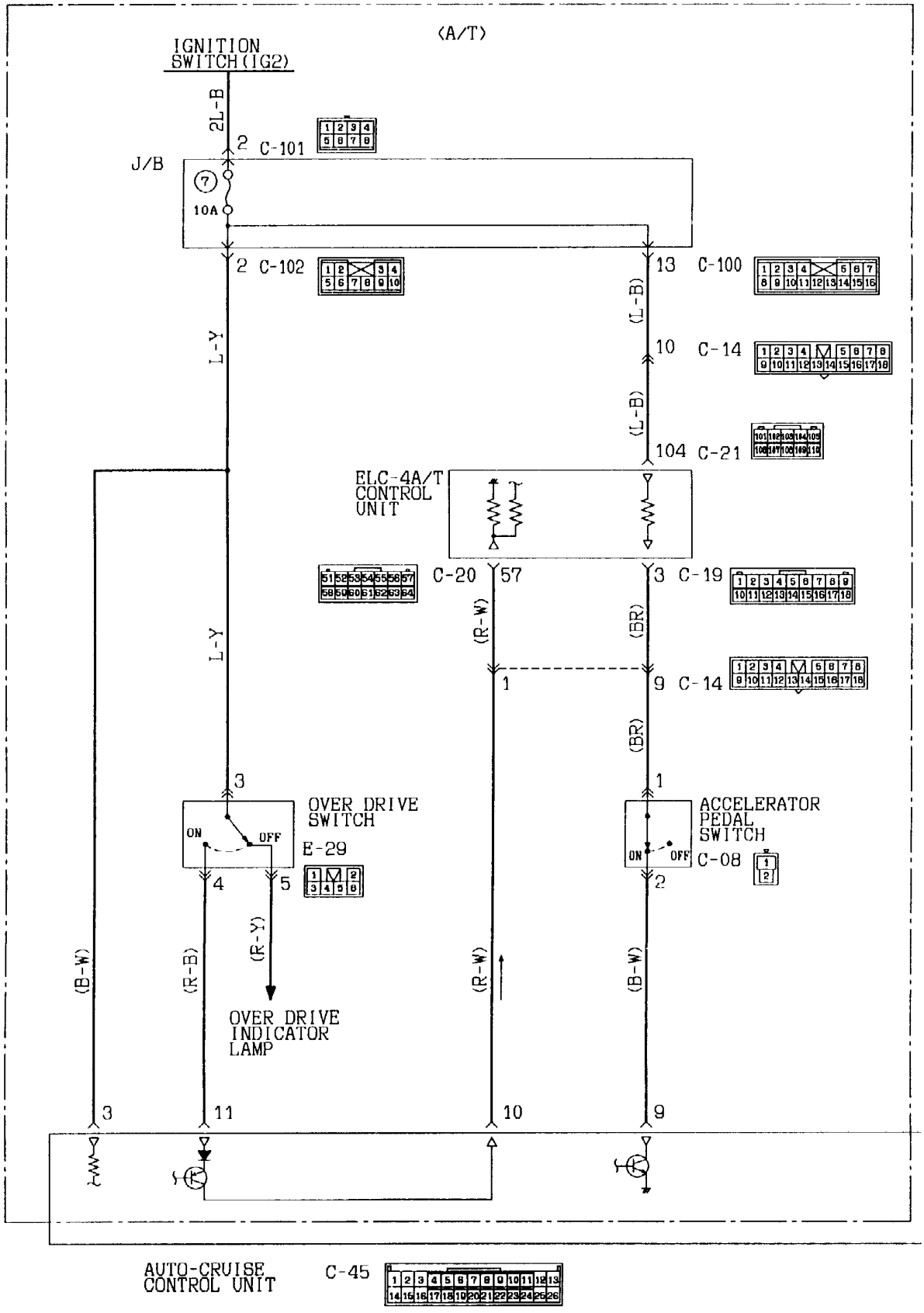






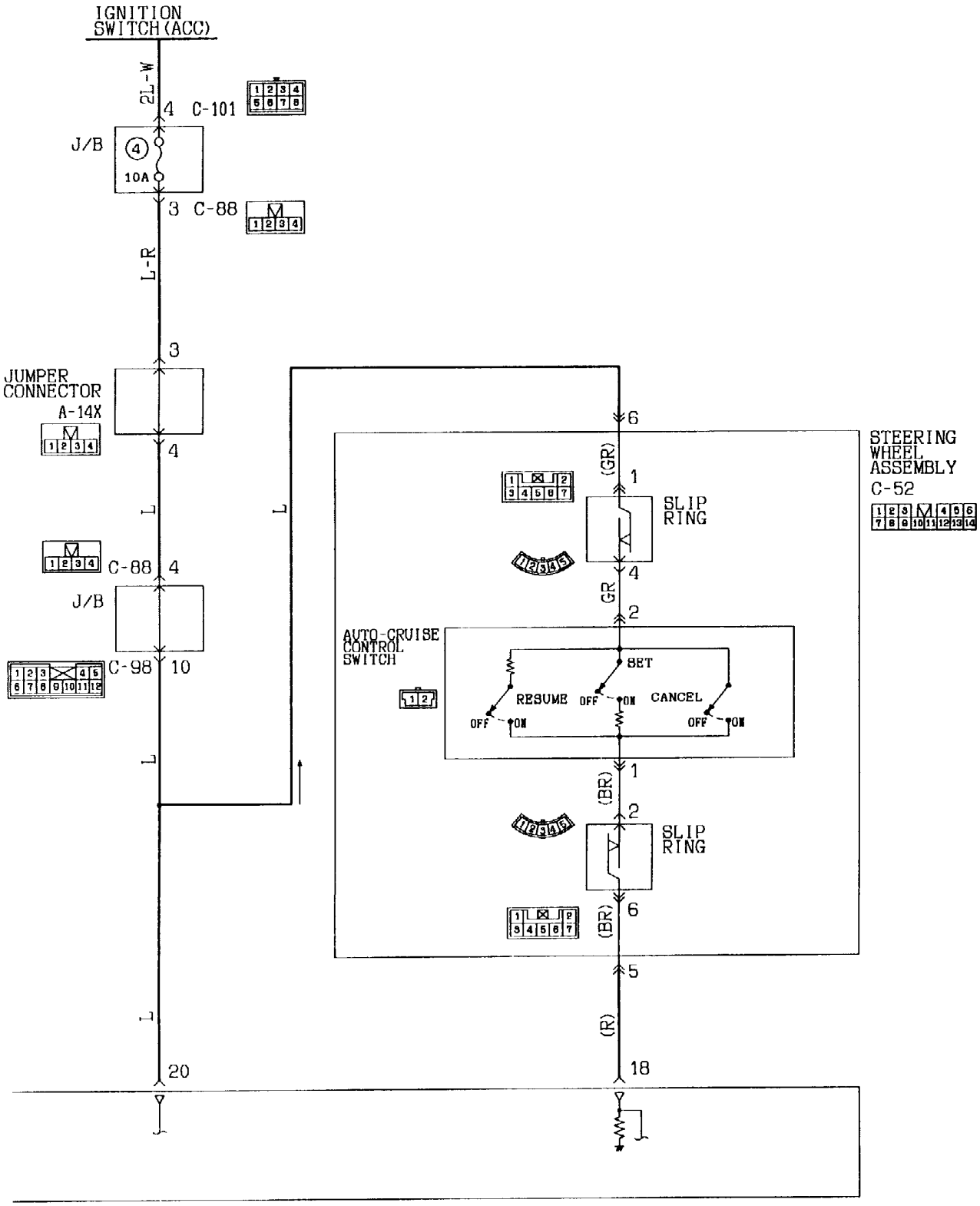
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	



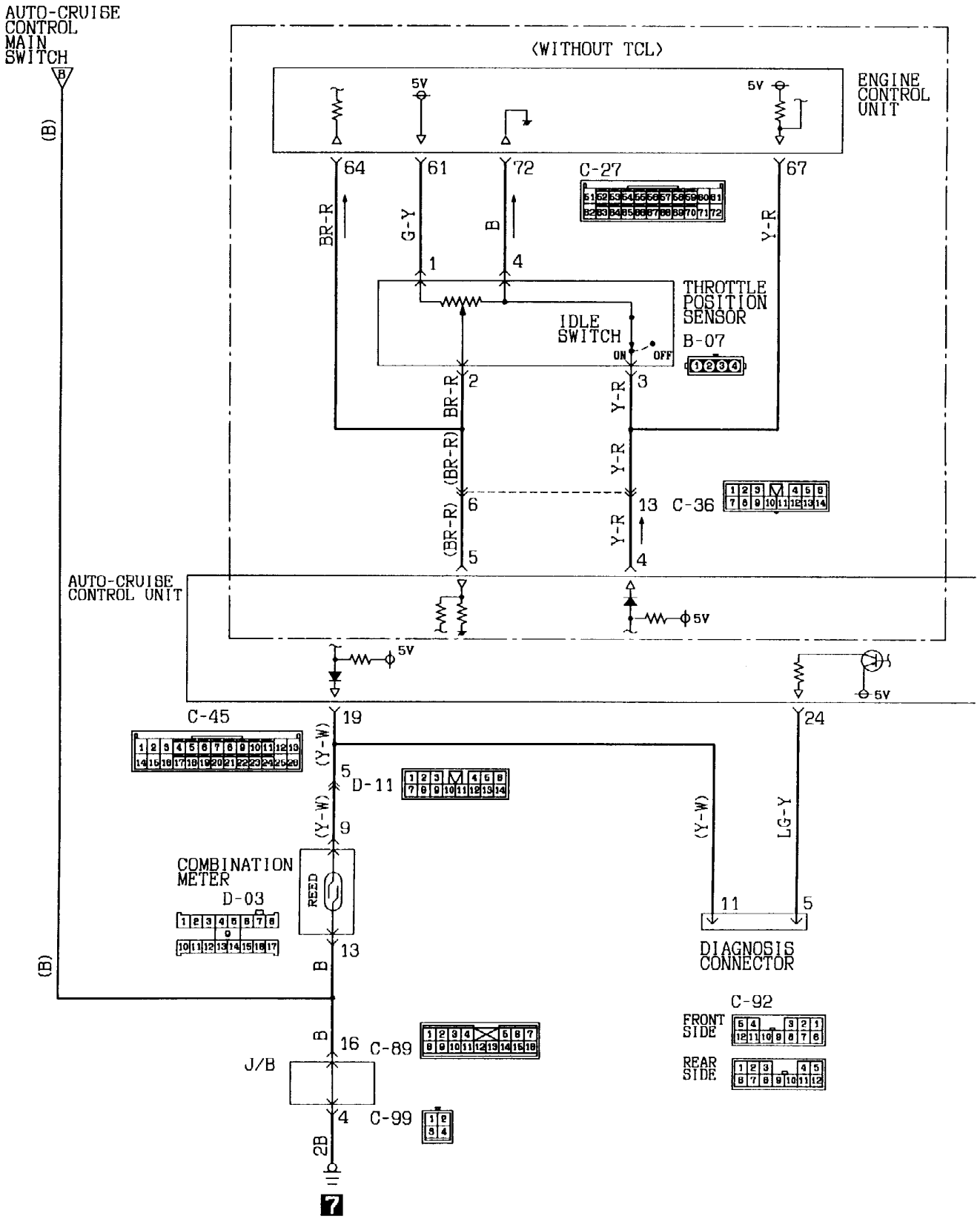
KX35-AC-J1508A-EC

 PHGE9036



Wire colour code

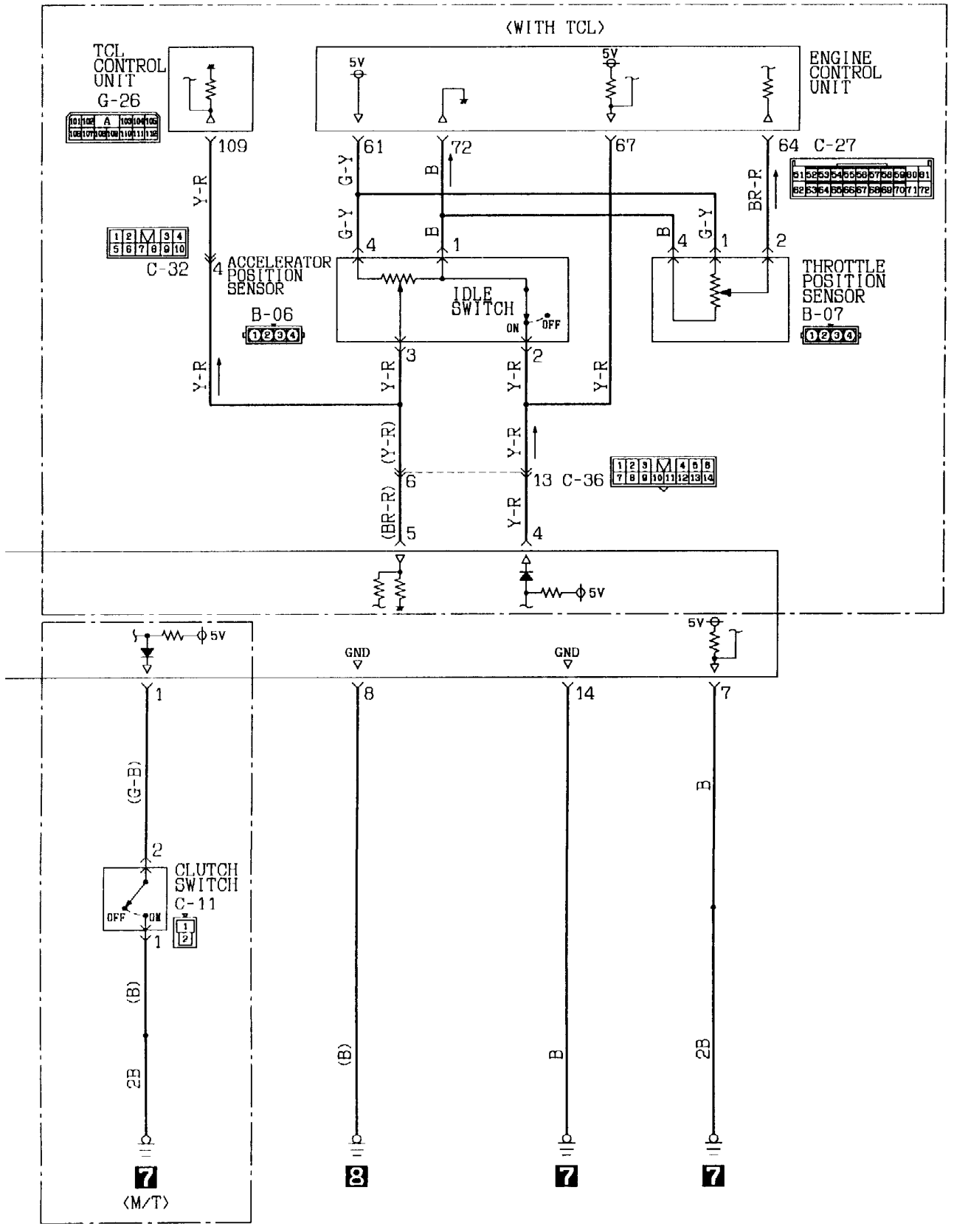
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	



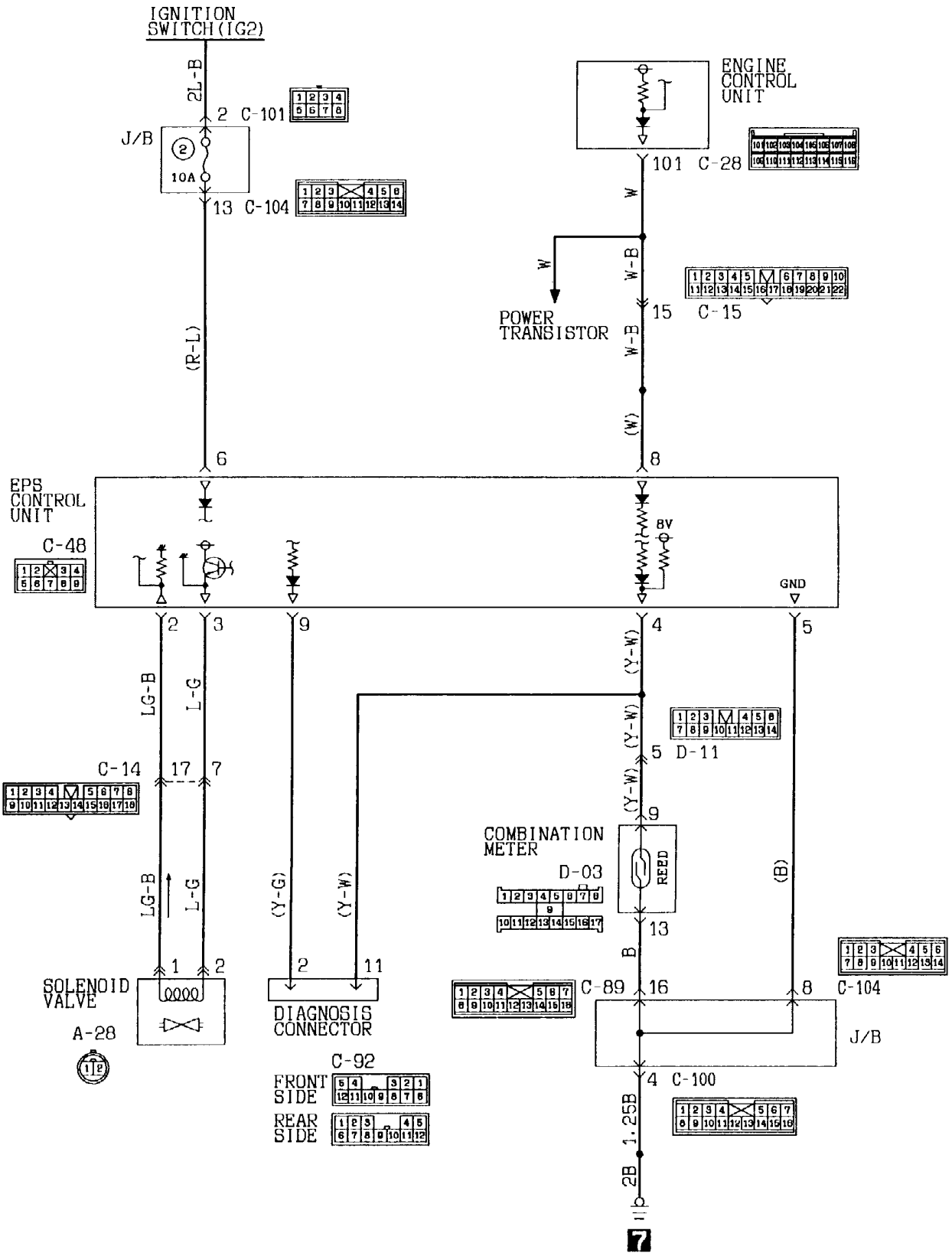
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

KX35-AC-J1508B-EC



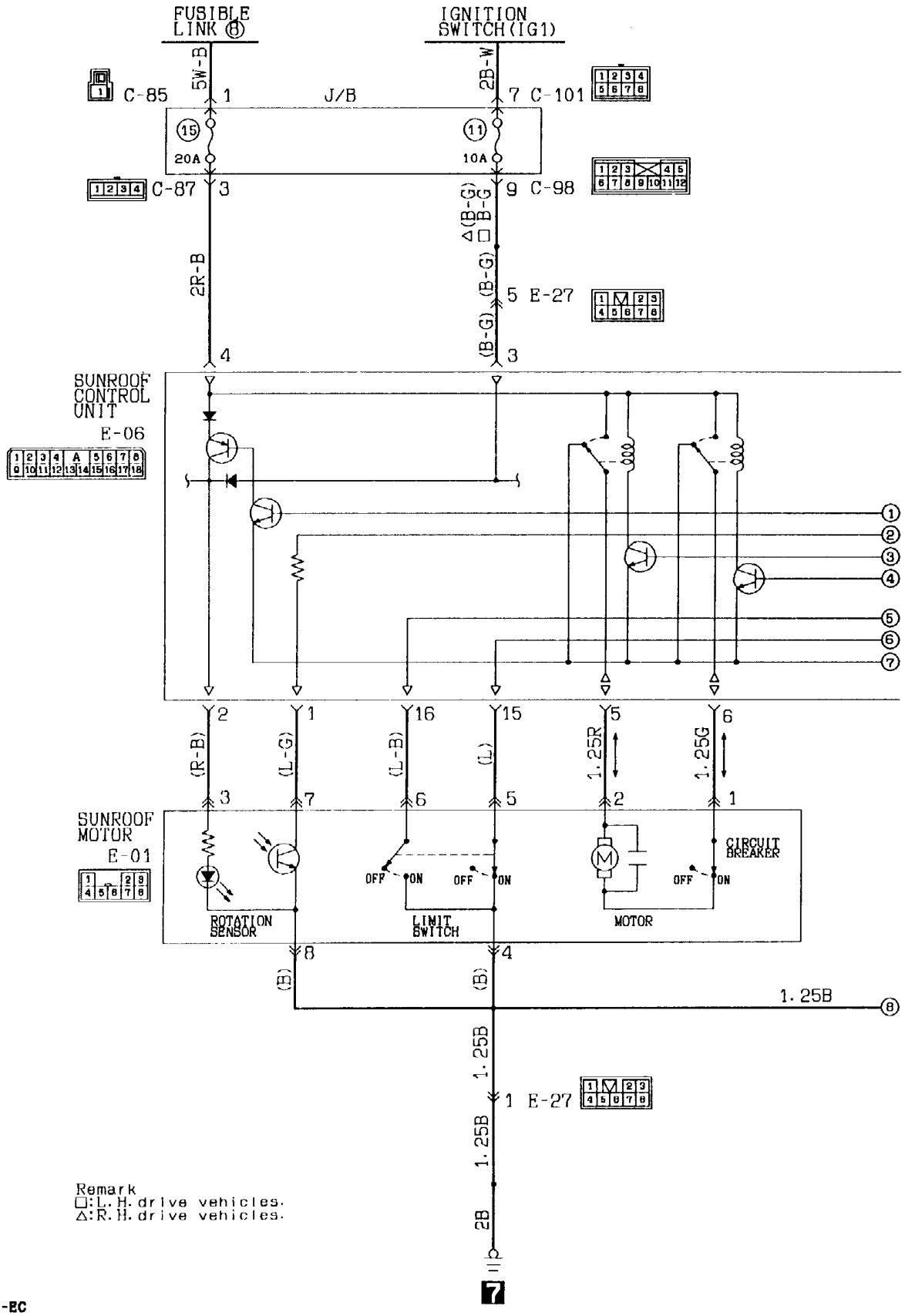
40 ELECTRONIC CONTROL POWER STEERING CIRCUIT



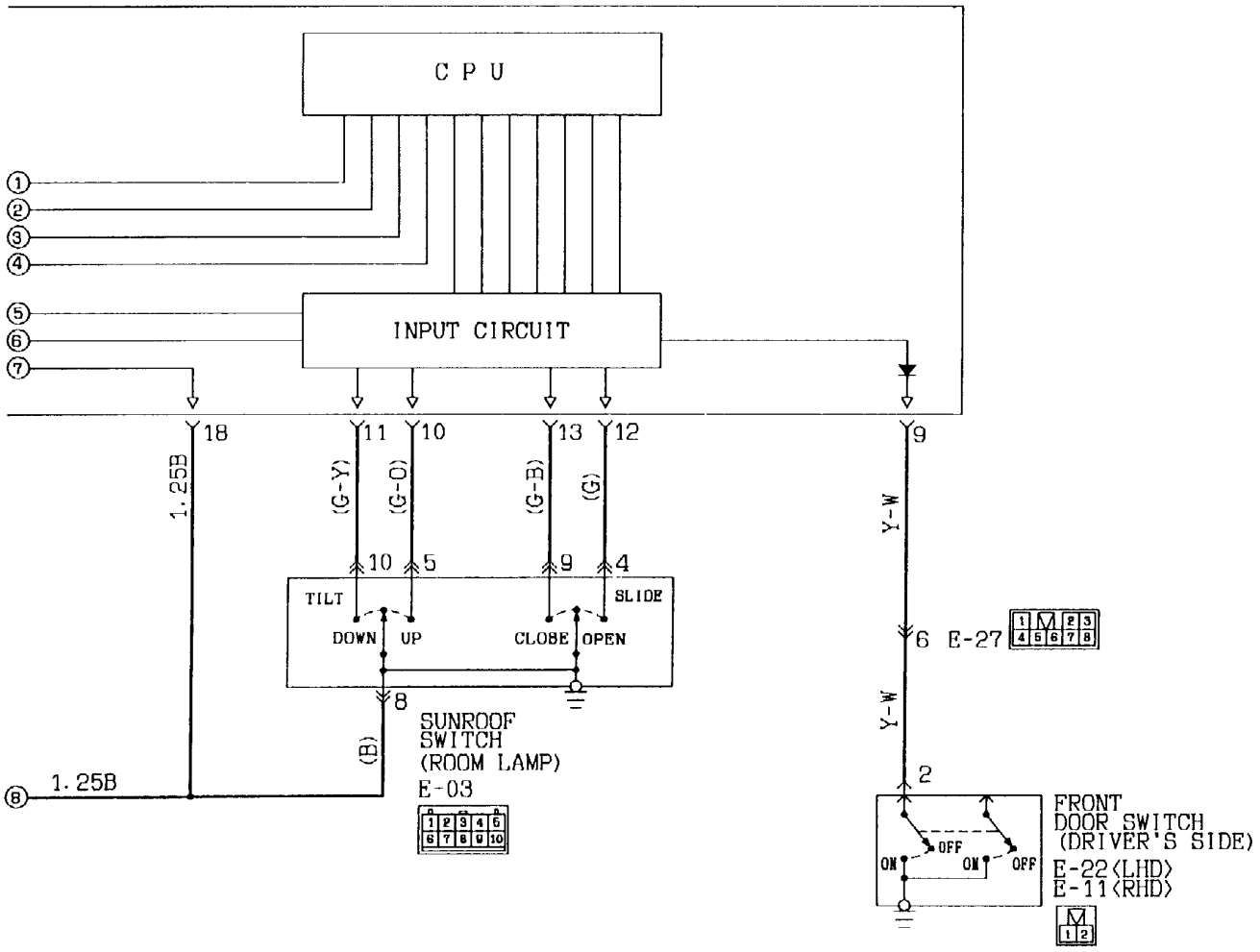
Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-J1509-EC

41 SUNROOF CIRCUIT



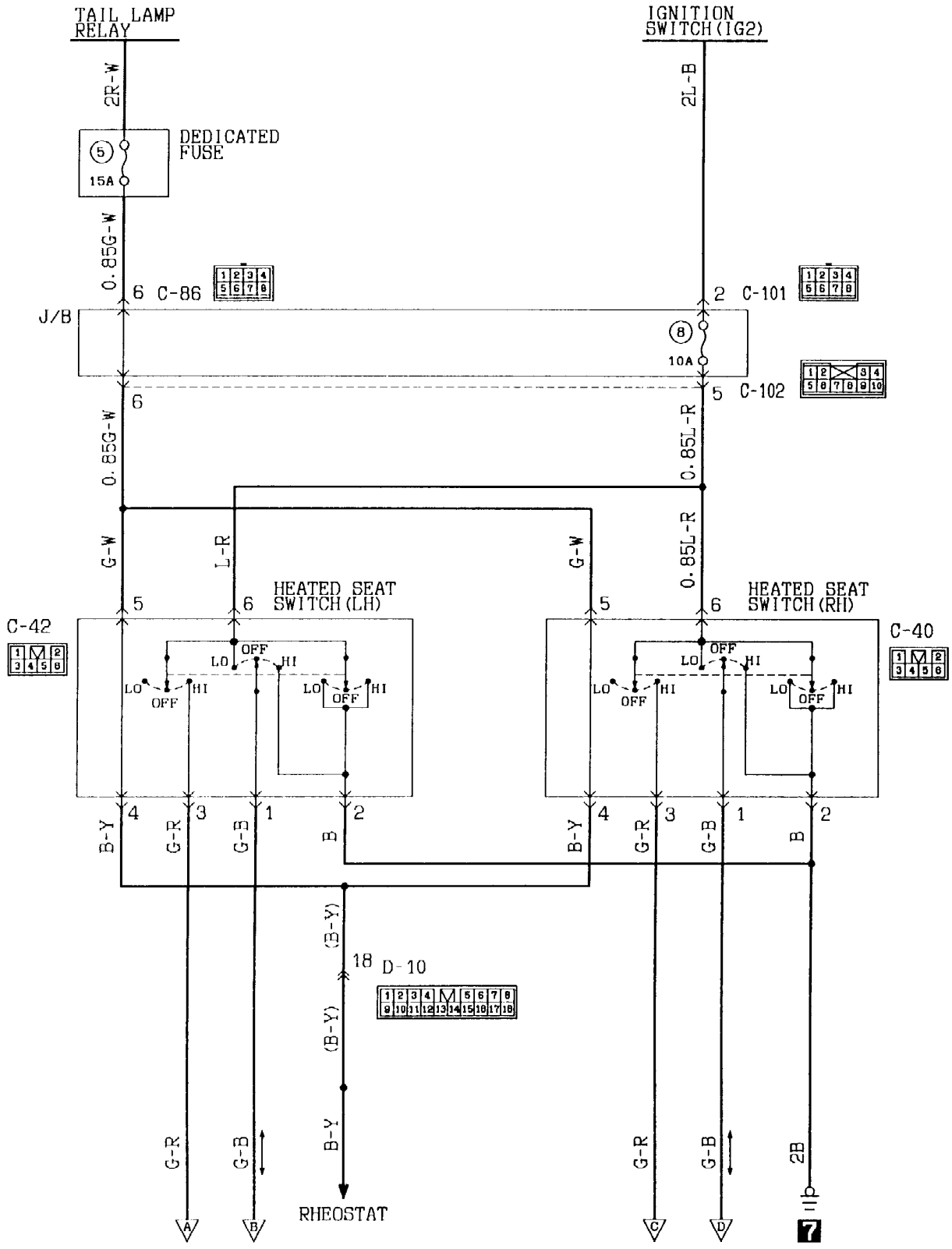
KX35-AC-J1510-EC



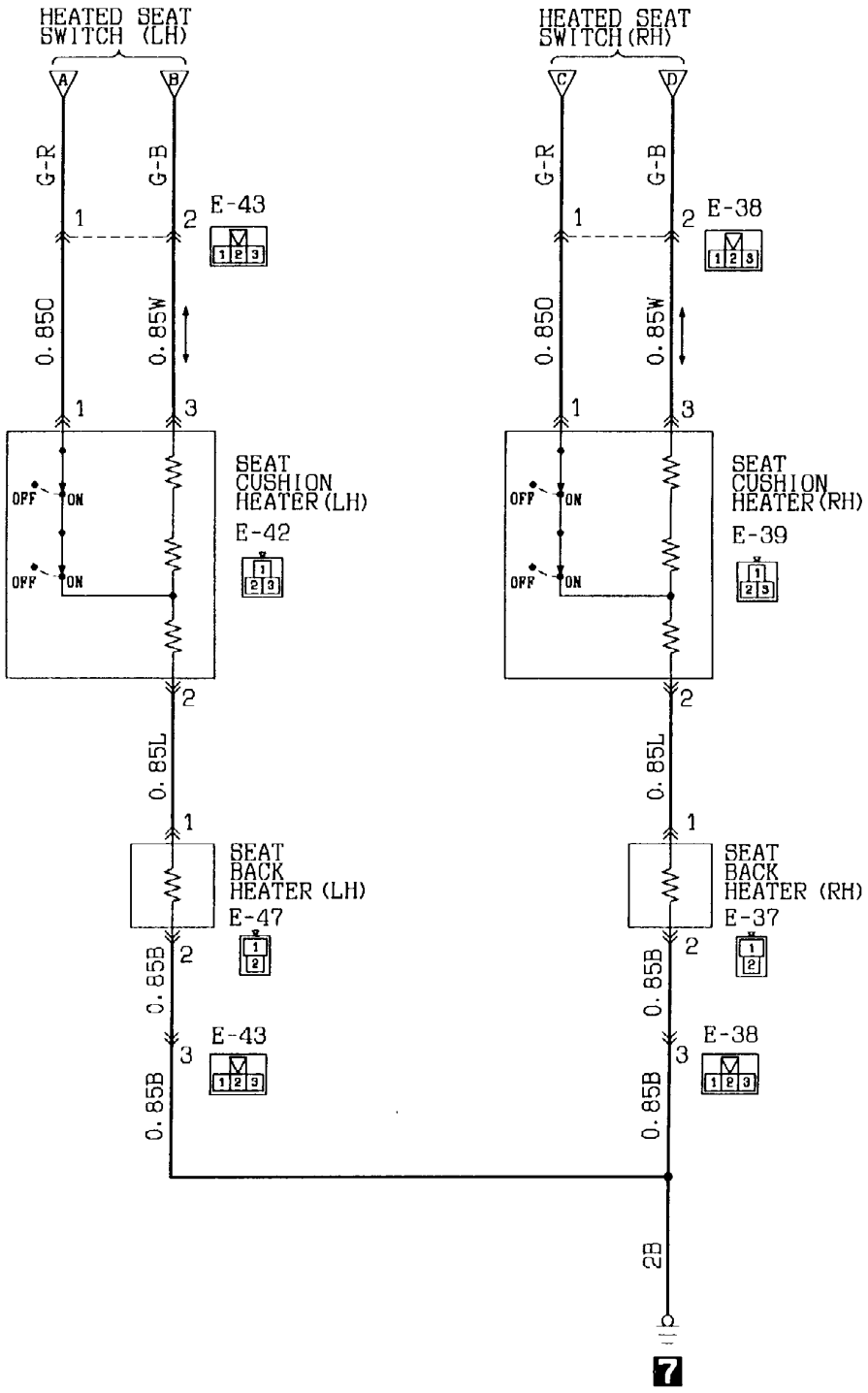
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

42 HEATED SEAT CIRCUIT



KX35-AC-J1511-EC



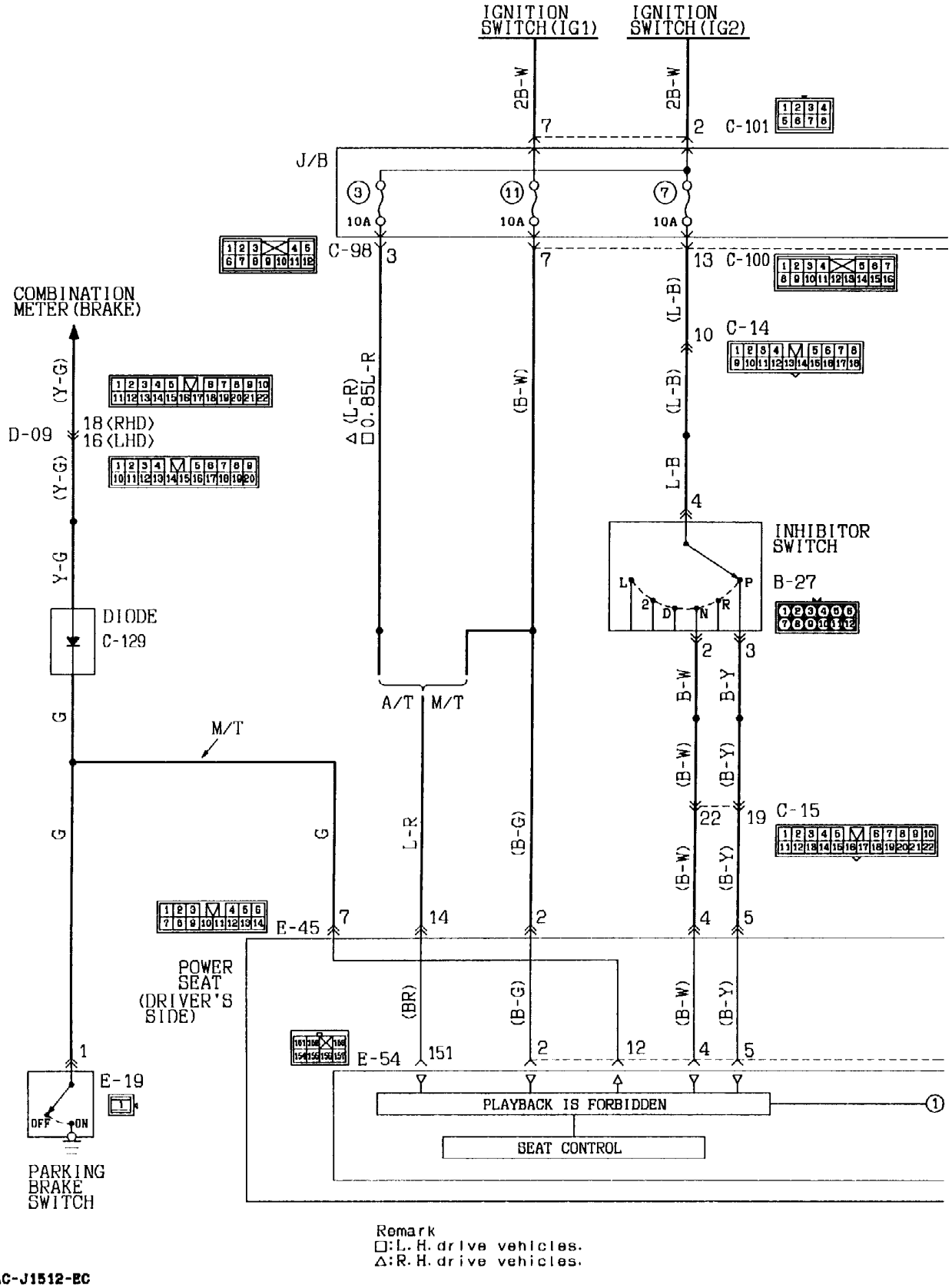
OPERATION

- When the heated seat switch is turned ON (either in LO or HI) with the ignition switch in ON position, the heated seat is activated with operation corresponding to the switch position.

TROUBLESHOOTING HINTS

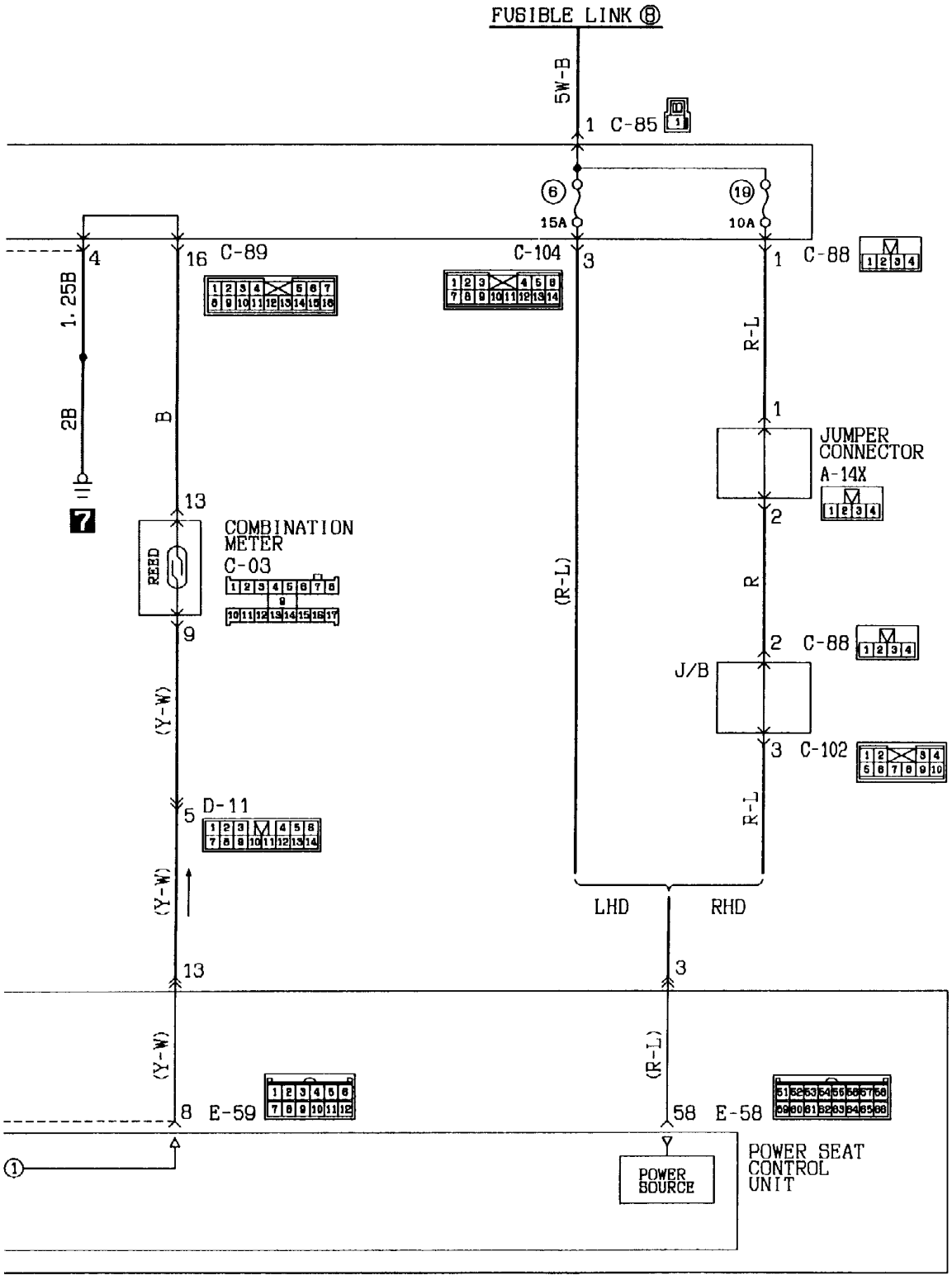
1. The heated seat warms at one place only.
   - Check the heated seat.
2. The heated seat doesn't become warm.
   - Check the multi-purpose fuse No. ⑧.
   - Check the heated seat switch.

43 POWER SEAT CIRCUIT

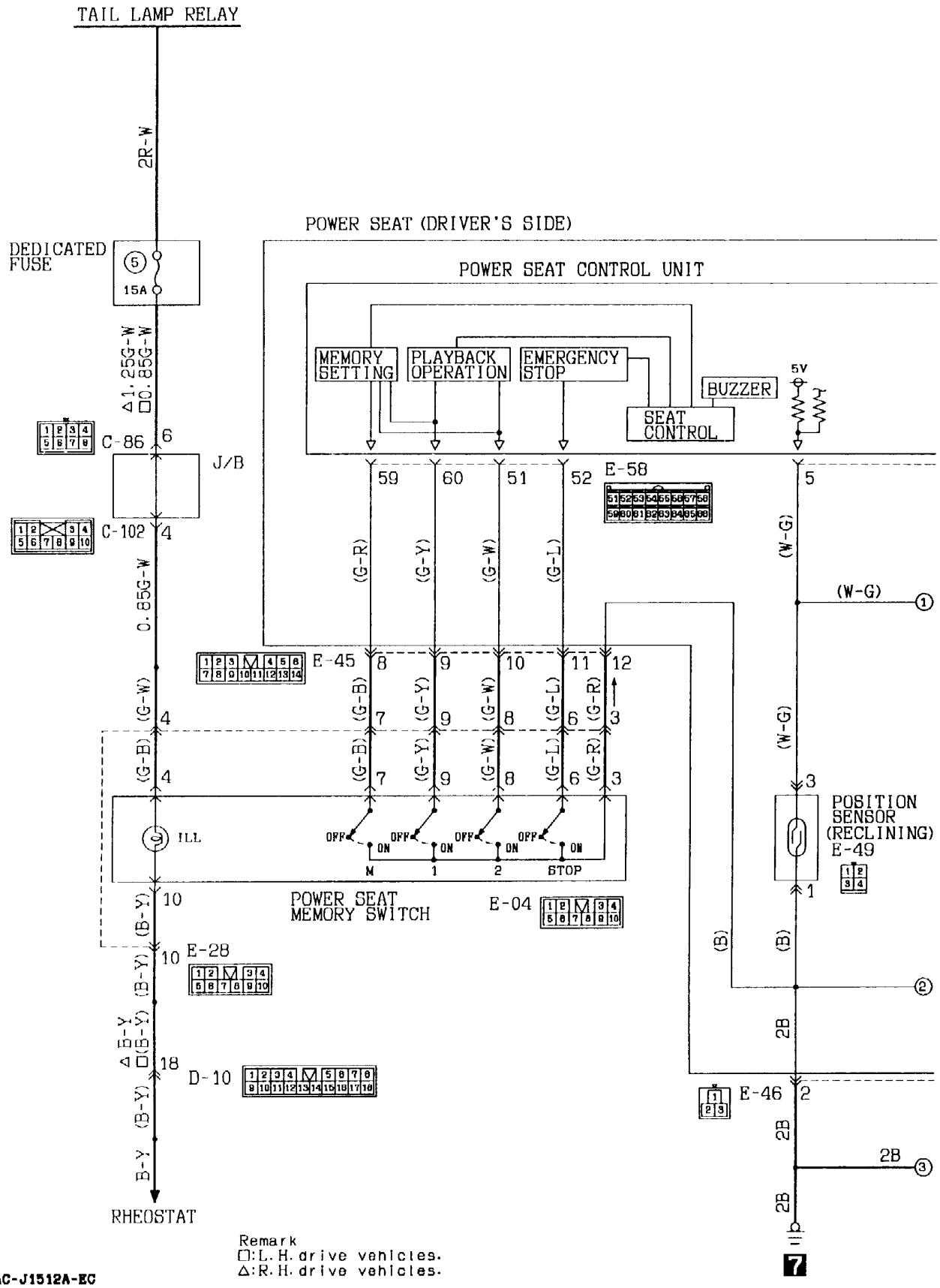


Remark
□:L. H. drive vehicles.
△:R. H. drive vehicles.

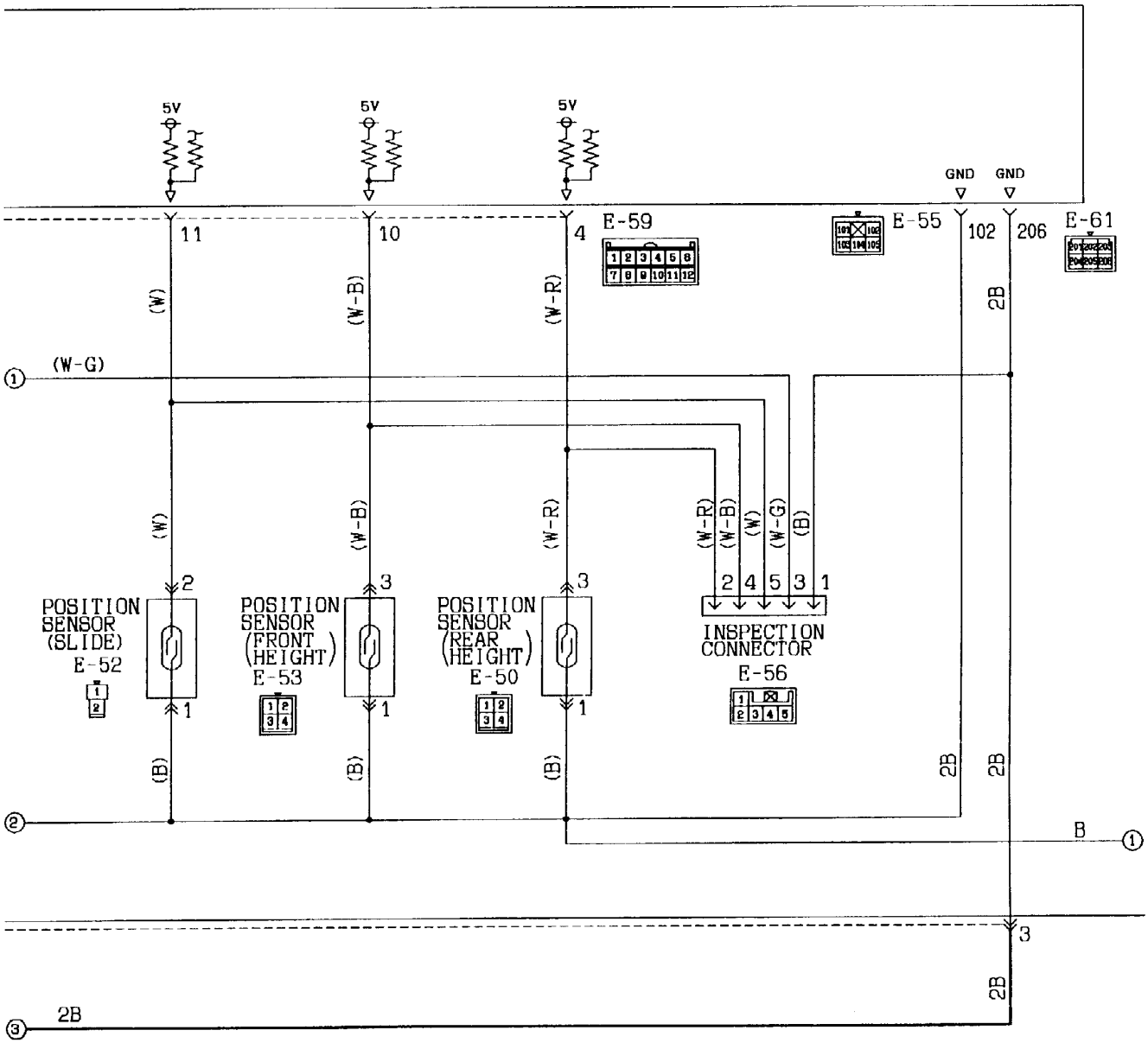
KX35-AC-J1512-EC



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet



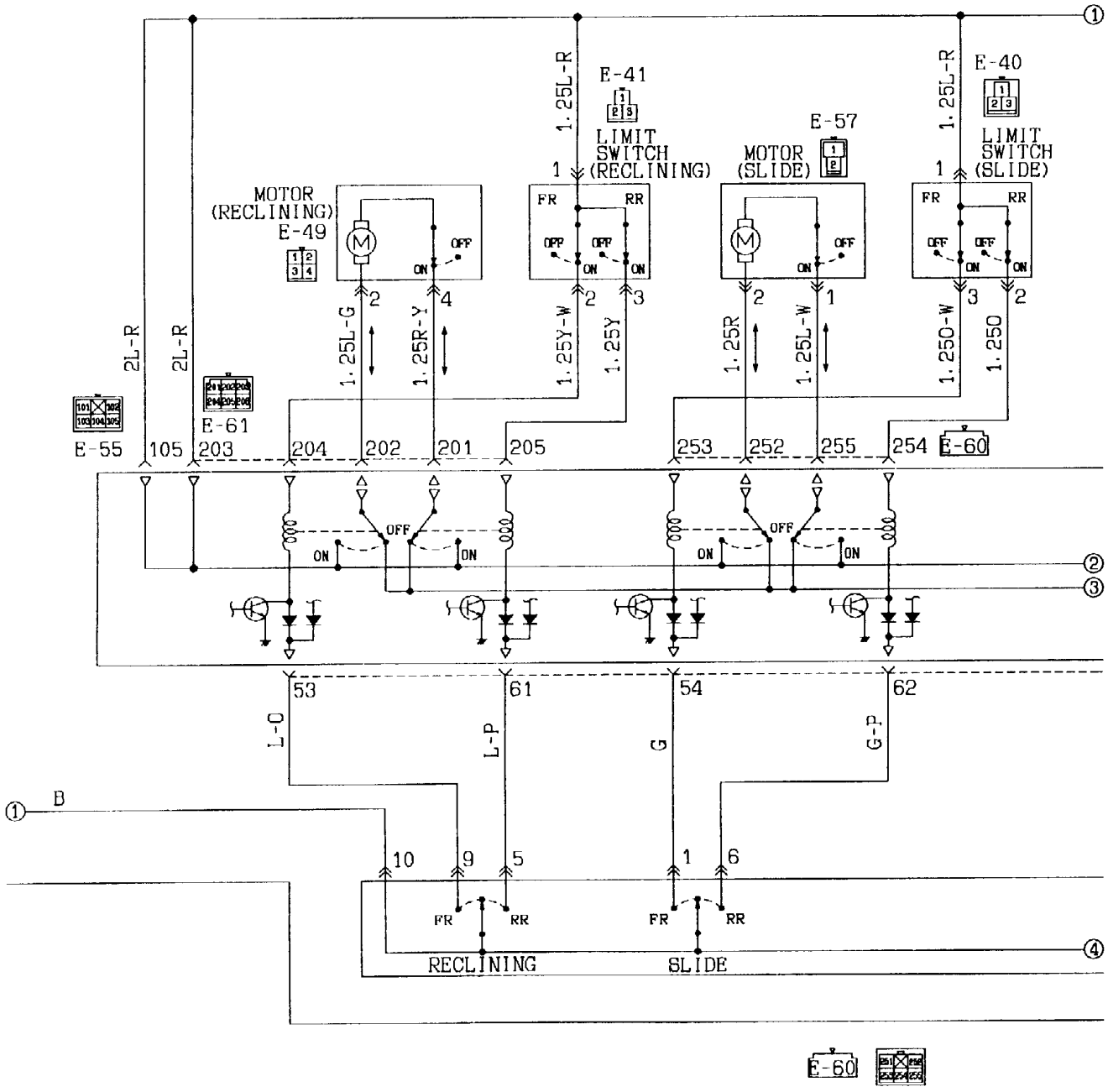
KX35-AC-J1512A-EC



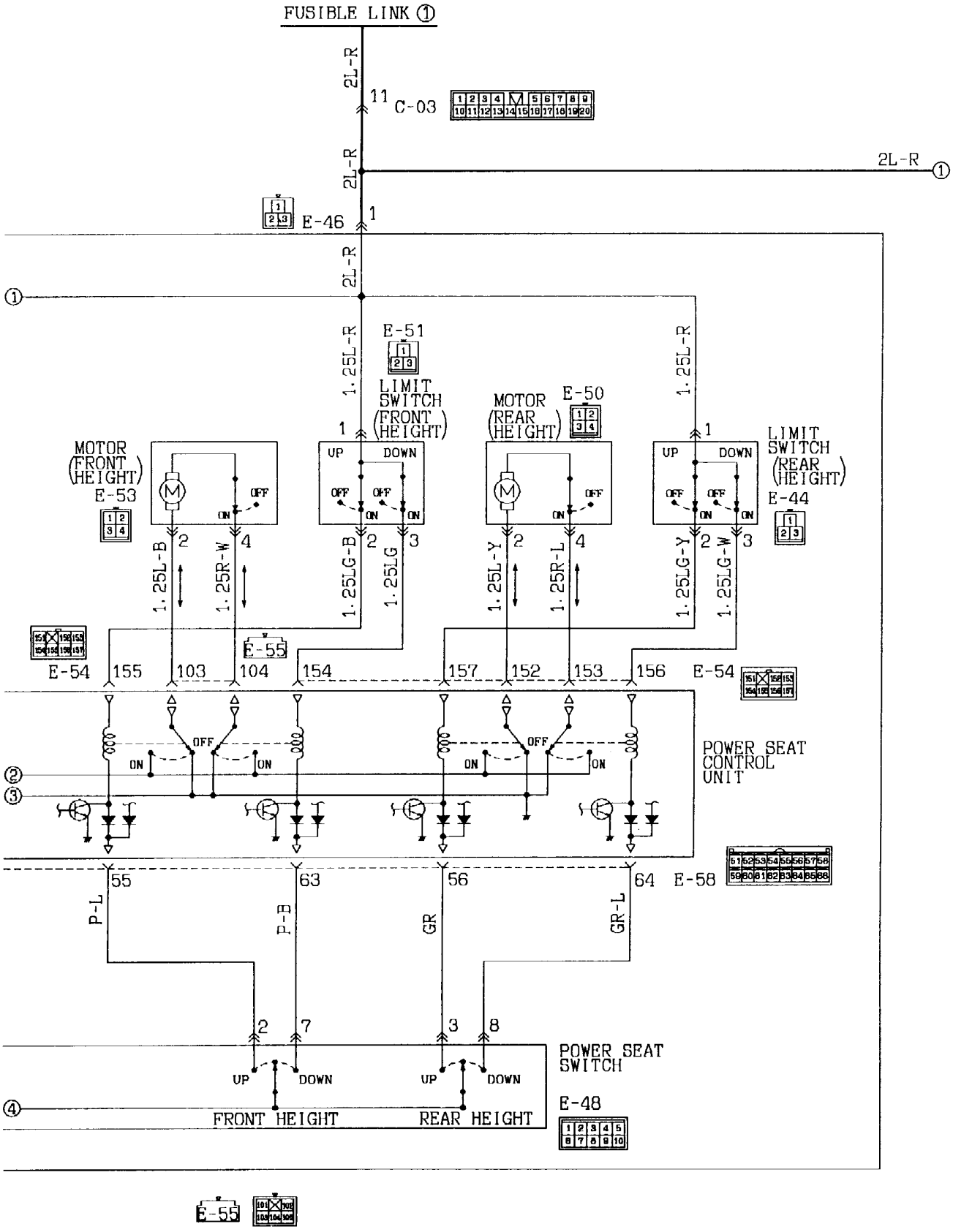
Wire colour code

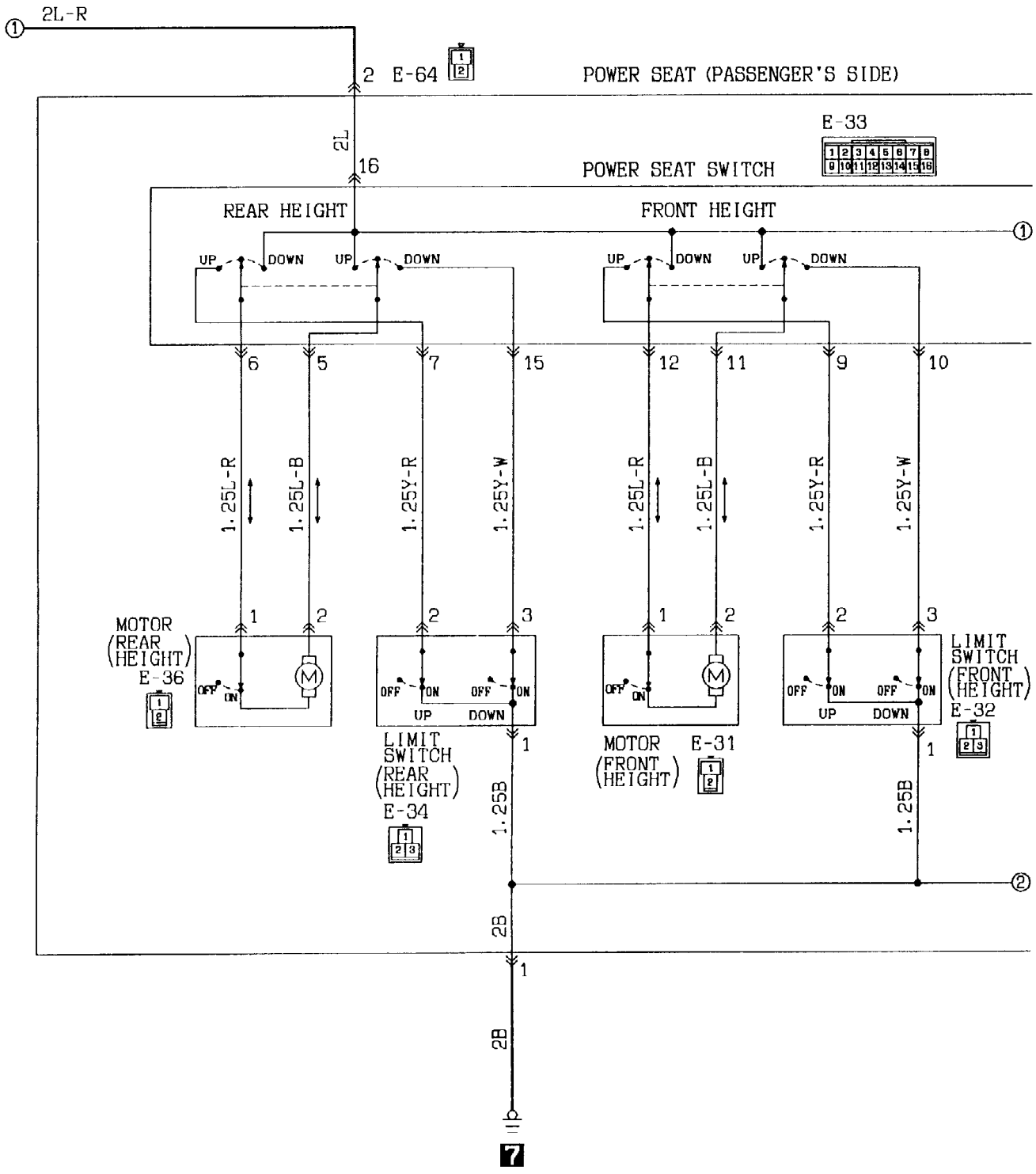
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

POWER SEAT (DRIVER'S SIDE)

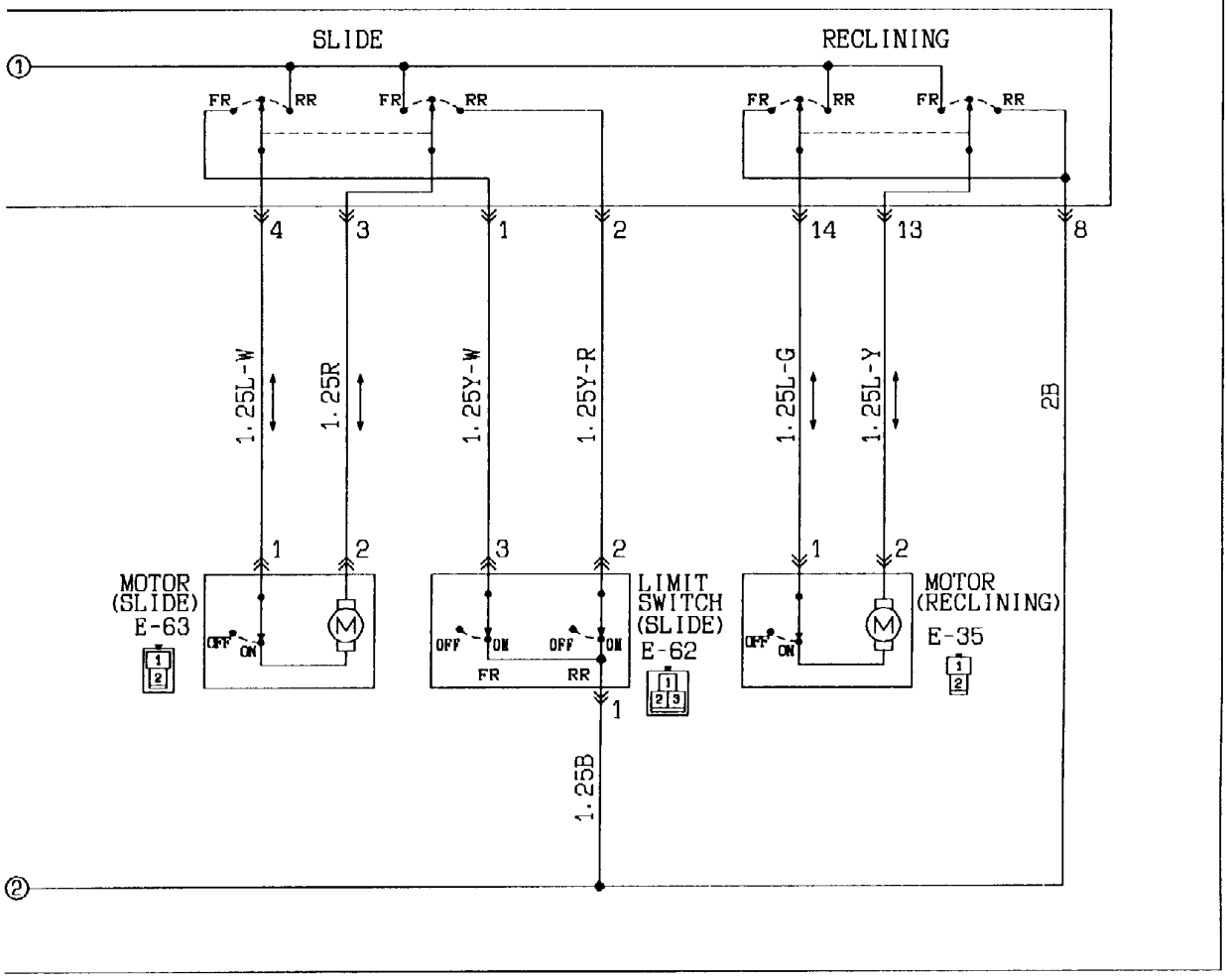


KX35-AC-J1512B-EC





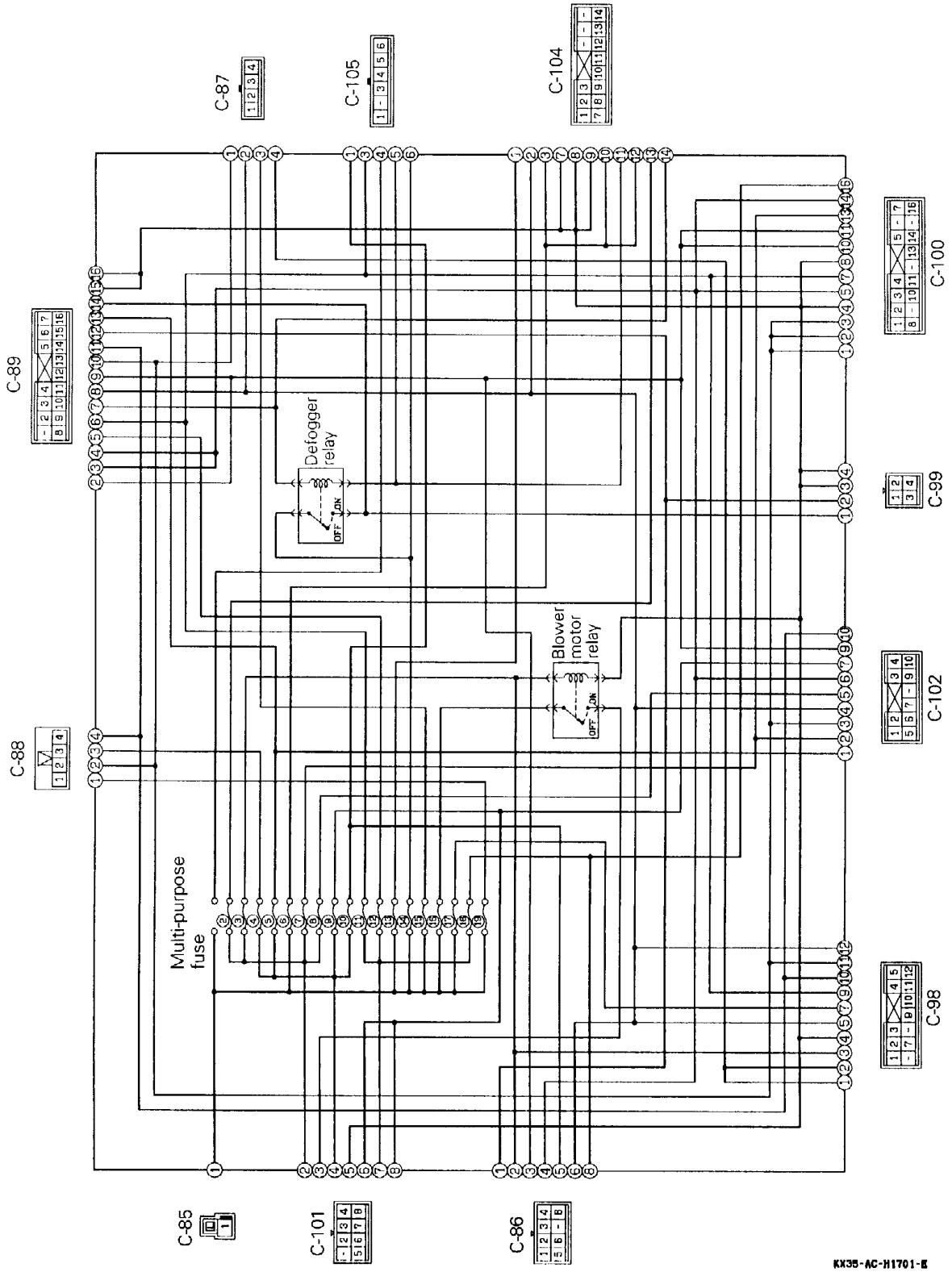
KX35-AC-J1512C-EC



Wire colour code

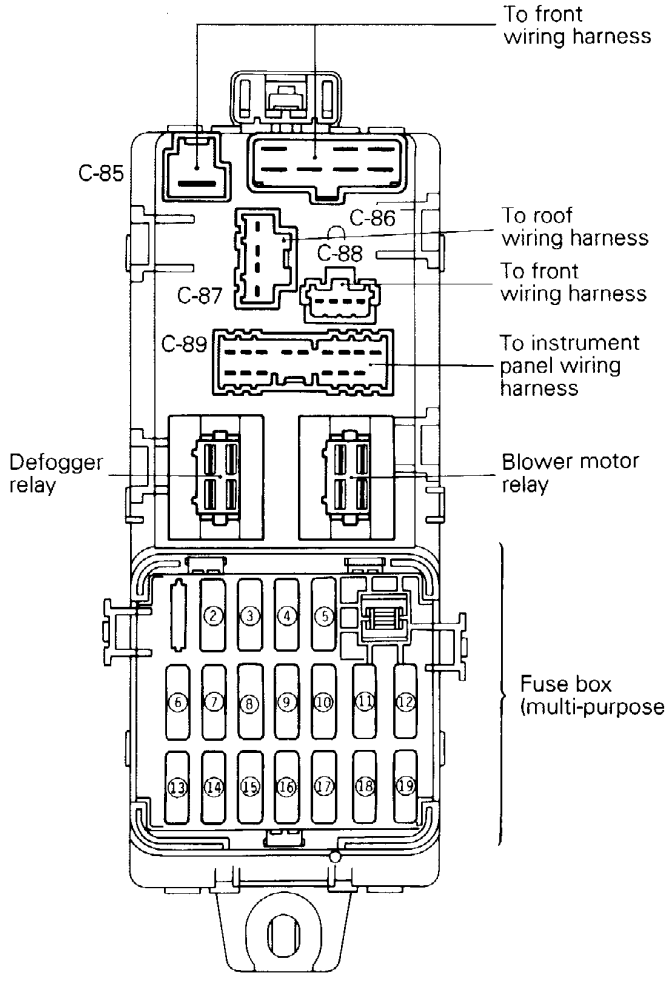
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

44 JUNCTION BLOCK



Remark
- Connector numbers are keyed to the configuration diagram (dashboard panel) and each circuit diagram.

Front



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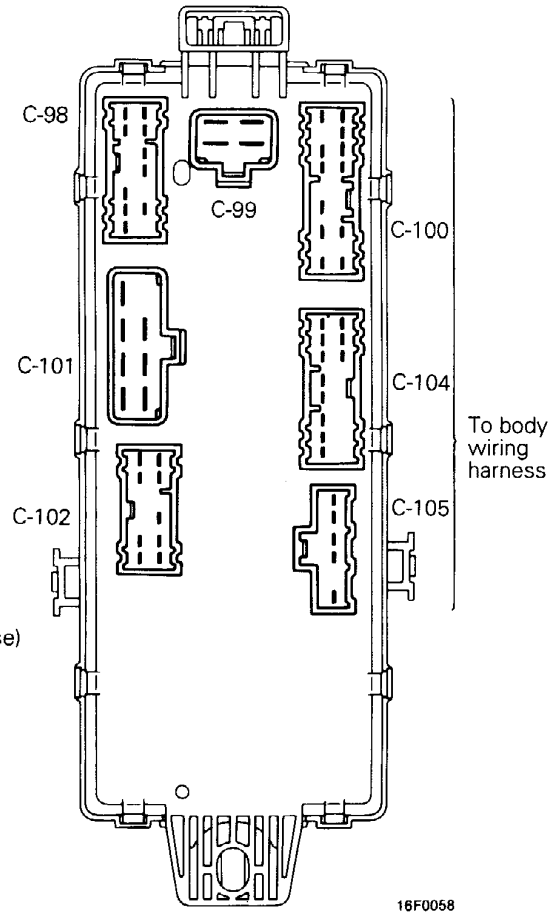
Back

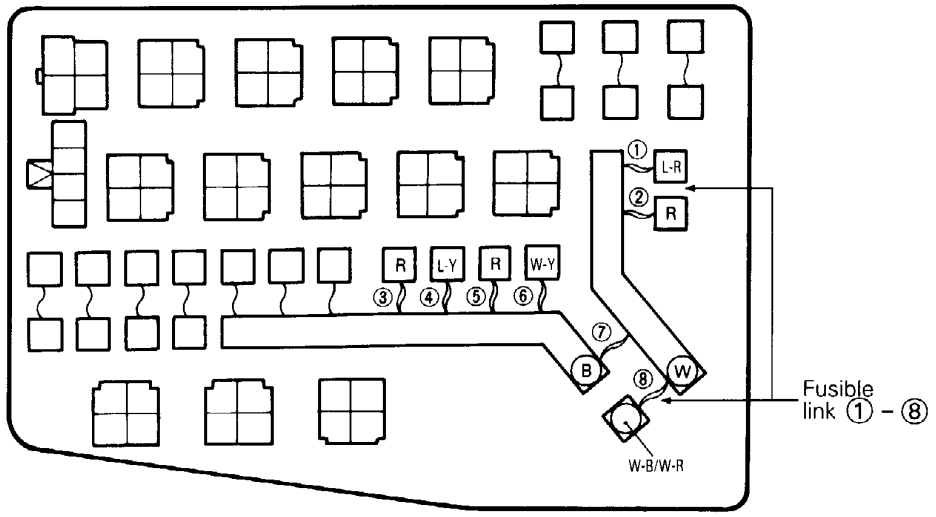


16F0058

45 CENTRALIZED JUNCTION

FUSIBLE LINK (Relay box in engine compartment)

No.	Circuit	Housing colour	Rated capacity (A)
1	Power window and power seat circuit	Pink	30
2	ACTIVE-ECS circuit	Red	50
3	Ignition switch circuit	Pink	30
4	Radiator fan and condenser fan circuit	Green	40
5	Headlamp, tail lamp, fog lamp and alternator circuit	Green	40
6	ABS circuit	Yellow	60
7	Fusible link No. ①, ②, ⑧ and alternator circuit	Blue	100
8	Multi-purpose fuse No. ⑥, ⑬, ⑭, ⑮, ⑯, ⑰, ⑲ and A/C compressor circuit	Yellow	60



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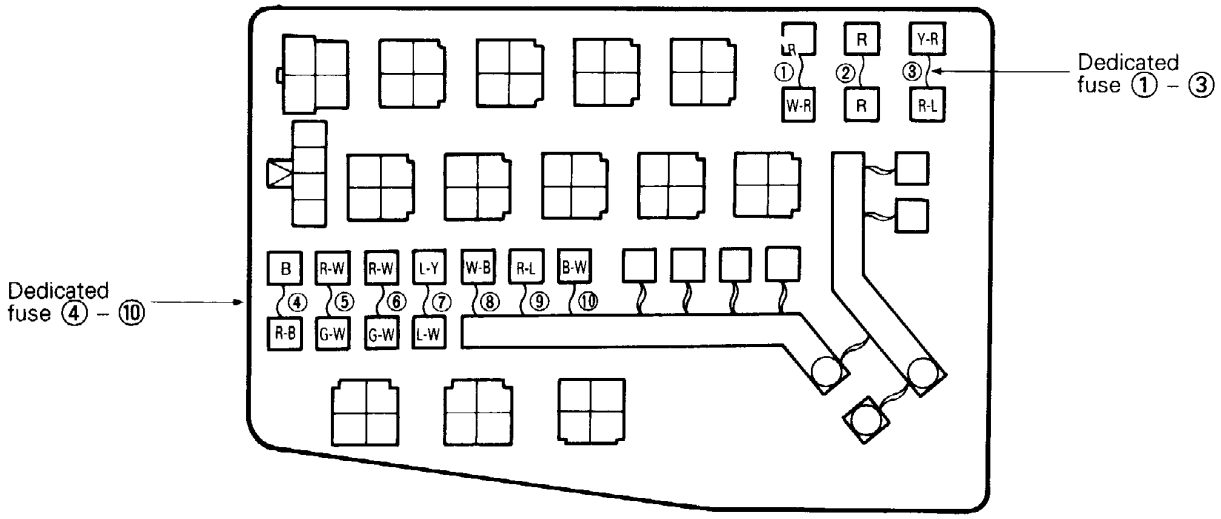
DEDICATED FUSE ① – ⑩ (Relay box in engine compartment)

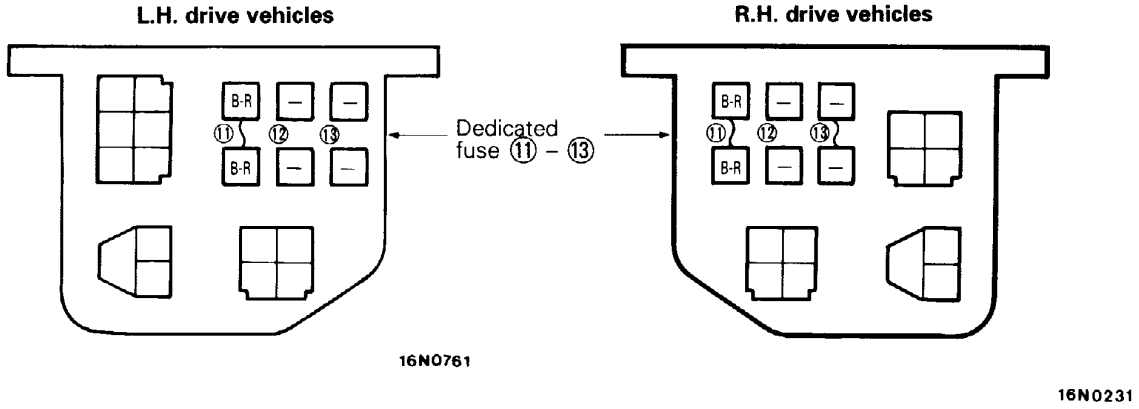
Power supply circuit	No.	Rated capacity (A)	Housing colour	Circuit
Battery	1	10	Red	A/C compressor circuit
	2	15	Blue	ACTIVE-ECS circuit
Headlamp relay (Battery)	3	10	Red	Upper beam indicator, rear fog lamp and headlamp leveling system circuit
Battery	4	15	Blue	Front fog lamp circuit
Tail lamp relay (Battery)	5	15	Blue	Tail lamp and illumination circuit
	6	15	Blue	Tail lamp circuit
Battery	7	30	Green	Condenser fan circuit
	8	20	Yellow	MPI circuit
	9	15	Blue	Hazard lamp circuit
	10	30	Green	TCL circuit



16N0763

DEDICATED FUSE ⑪ – ⑬ (Relay box in passenger compartment)

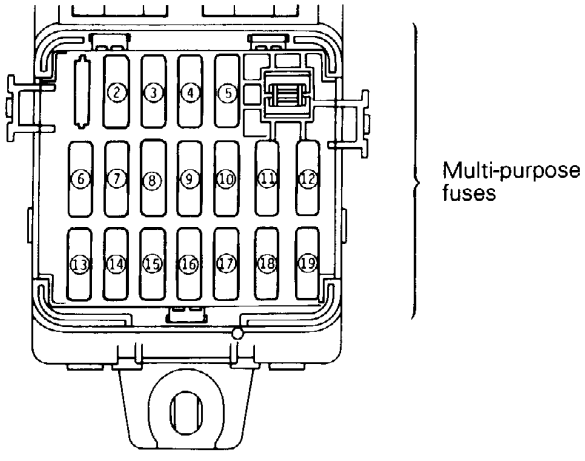
Power supply circuit	No.	Rated capacity (A)	Housing colour	Circuit
Defogger relay (Battery)	11	10	Red	Door mirror heater circuit
—	12	—	—	—
—	13	—	—	—



MULTI-PURPOSE FUSE (In junction block)

Power supply circuit		No.	Rated capacity (A)	Load circuit
—		1	—	—
Ignition switch	IG2	2	10	ABS control unit, ABS valve relay, ACTIVE-ECS relay and EPS control unit
	IG2	3	10	A/C belt lock controller, A/C control panel assembly, A/C control unit, blower motor relay, blower motor high relay, daytime running lamp relay (I), dim-dip lamp relay (I), defogger relay and power seat control unit
	ACC	4	10	Auto-cruise control unit, clock, radio, motor antenna and ETACS unit <R.H.D.>
	ACC	5	15	Accessory socket, cigarette lighter and ETACS unit <L.H.D.>
Battery		6	15	Ignition key cylinder illumination lamp <L.H.D.> and motor antenna <R.H.D.>
Ignition switch	IG2	7	10	ACTIVE-ECS control unit <A/T>, auto-cruise control unit, combination meter, ELC-4A/T control unit, power seat control unit and TCL control unit
	IG2	8	10	Heated seat

Power supply circuit		No.	Rated capacity (A)	Load circuit
Ignition switch	ACC	9	15	Daytime running lamp control unit, door control unit, rear wiper, rear washer, windshield wiper and windshield washer
	ACC	10	10	Horn
	IG1	11	10	Alternator relay, auto-cruise control unit, combination meter, engine oil level relay, ETACS unit, motor antenna, power seat control unit and sunroof control unit
	IG1	12	10	Turn and hazard flasher unit
Battery		13	20	ACTIVE-ECS control unit
		14	25	Defogger and door mirror heater
		15	20	Sunroof control unit
		16	25	Blower motor
		17	15	ACTIVE-ECS control unit and stop lamp
Ignition switch	IG1	18	10	ACTIVE-ECS control unit <M/T> and back-up lamp
Battery		19	10	A/C control unit, ACTIVE-ECS control unit, auto-cruise control unit, clock, combination meter, door control unit, door lamp, ELC-4A/T control unit, engine control unit, ETACS unit, foot lamp, ignition key cylinder illumination lamp <R.H.D.>, motor antenna <L.H.D.>, power seat control unit, radio, room lamp, TCL control unit and luggage compartment lamp



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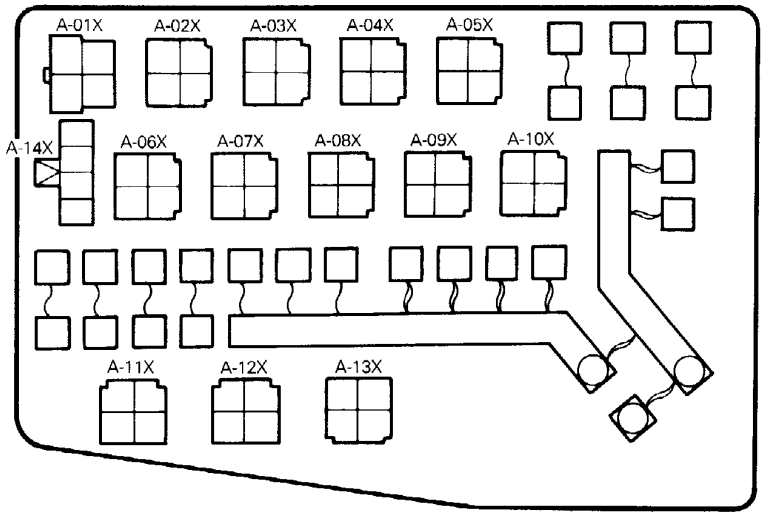
CENTRALIZED RELAY

Classification		Name	Classification		Name
Relay box in engine compartment	A-01X	Alternator relay	Relay box in engine compartment	A-09X	Condenser fan motor relay (LO)
	A-02X	Headlamp relay		A-10X	Condenser fan motor relay (HI)
	A-03X	Tail lamp relay		A-11X	ACTIVE-ECS relay
	A-04X	Front fog lamp relay		A-12X	Radiator fan motor relay (LO-I)
	A-05X	Power window relay		A-13X	Rear fog lamp relay
	A-06X	A/C compressor relay		A-14X	Jumper connector
	A-07X	Radiator fan motor relay (LO-II)	Relay box in passenger compartment	C-65X	—
	A-08X	Radiator fan motor relay (HI)		C-66X	—
				C-67X	Turn and hazard flasher unit

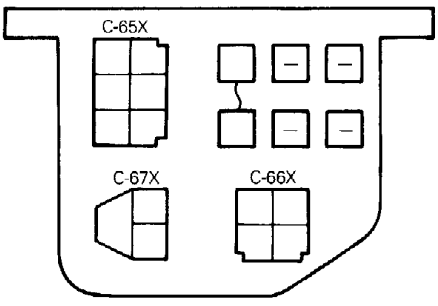
<Relay box in engine compartment>



16N0763

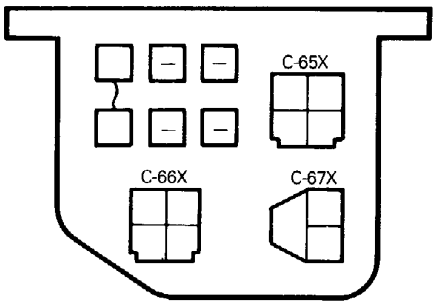
<Relay box in passenger compartment>

L.H. drive vehicles



16N0761

R.H. drive vehicles



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