



# Workshop Manual

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**electrical wiring**

SUPPLEMENT

**SPACE RUNNER 2001**  
**SPACE WAGON 2001**

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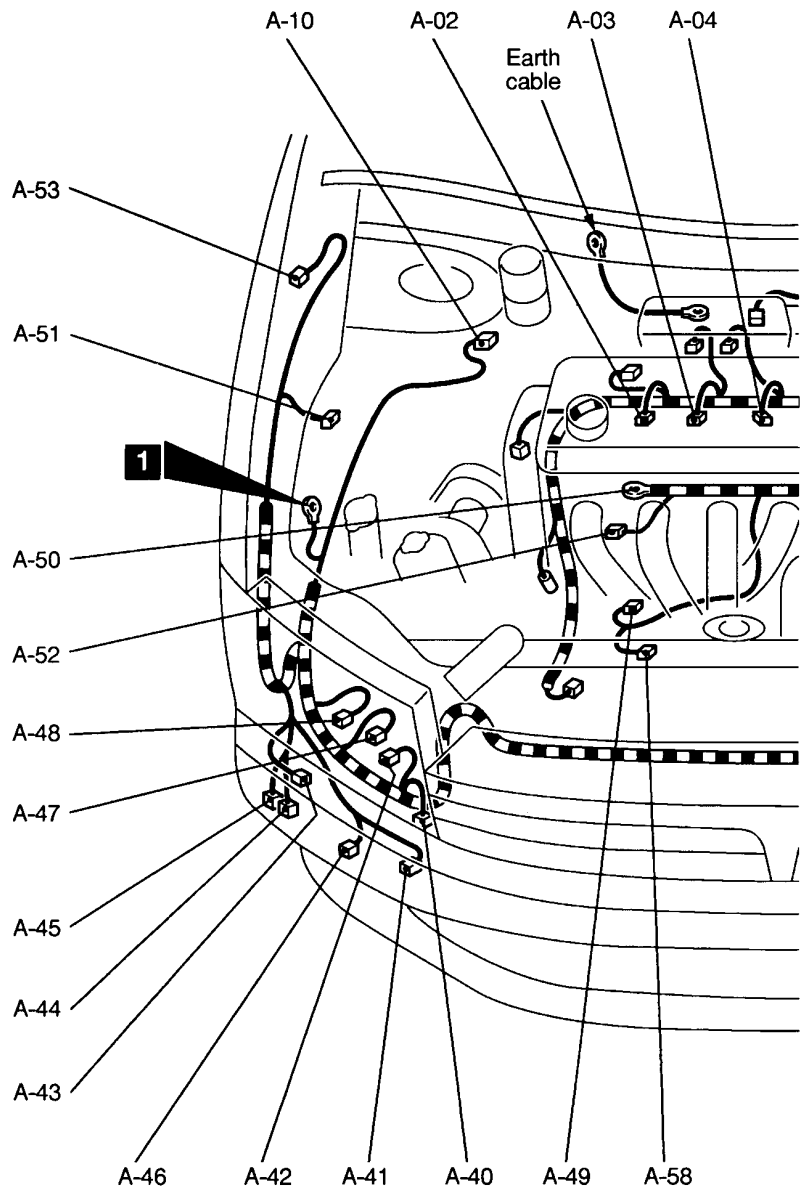
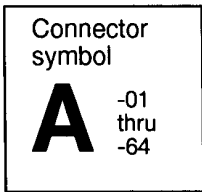
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Main circuit	Circuit classifications	Previous manual: Pub.No. PHDE9802 (Basic)	Previous manual: Pub.No. PHDE9802-A (Supplement)	Previous manual: Pub.No. PHDE9802-B (Supplement)	This manual: Pub. No. PHDE9802-C (Supplement)
BRAKE WARNING LAMP	L.H. drive vehicles	I	P	P	R
	R.H. drive vehicles	I	P	P	R
OIL PRESSURE WARNING LAMP	L.H. drive vehicles	I	P	P	P
	R.H. drive vehicles	I	P	P	P
FUEL WARNING LAMP	L.H. drive vehicles	I	P	P	P
	R.H. drive vehicles	I	P	P	P
ENGINE OIL LEVEL WARNING LAMP	L.H. drive vehicles	N	A	N	P
	R.H. drive vehicles	N	A	N	P
	SPACE WAGON <L.H. drive vehicles>	I	N	P	D
	SPACE WAGON <R.H. drive vehicles>	I	N	P	D
POWER WINDOWS	SPACE RUNNER <L.H. drive vehicles>	I	P	P	P
	SPACE RUNNER <R.H. drive vehicles>	I	P	P	P
	SPACE WAGON <L.H. drive vehicles>	I	P	P	P
	SPACE WAGON <R.H. drive vehicles>	I	P	P	P
CENTRAL DOOR LOCKING SYSTEM	L.H. drive vehicles without keyless entry system <SPACE RUNNER>	I	P	P	P
	L.H. drive vehicles with keyless entry system <SPACE RUNNER>	I	P	P	P
	L.H. drive vehicles without keyless entry system <SPACE WAGON>	I	P	P	P
	L.H. drive vehicles with keyless entry system <SPACE WAGON>	I	P	P	P
	R.H. drive vehicles without keyless entry system <SPACE RUNNER>	I	P	P	P
	R.H. drive vehicles with keyless entry system <SPACE RUNNER>	I	P	P	P
	R.H. drive vehicles without keyless entry system <SPACE WAGON>	I	P	P	P
	R.H. drive vehicles with keyless entry system <SPACE WAGON>	I	P	P	P
HEATER	L.H. drive vehicles	I	P	P	P
	R.H. drive vehicles	I	P	P	P
AIR CONDITIONER	L.H. drive vehicles	I	P	P	R
	R.H. drive vehicles	I	P	P	R
WINDSHIELD WIPER AND WASHER	L.H. drive vehicles	I	P	P	P
	R.H. drive vehicles	I	P	P	P
REAR WIPER AND WASHER	L.H. drive vehicles	I	P	P	P
	R.H. drive vehicles	I	P	P	P
DEFOGGER AND DOOR MIRROR HEATER	L.H. drive vehicles	I	P	P	P
	R.H. drive vehicles	I	P	P	P

ENGINE COMPARTMENT

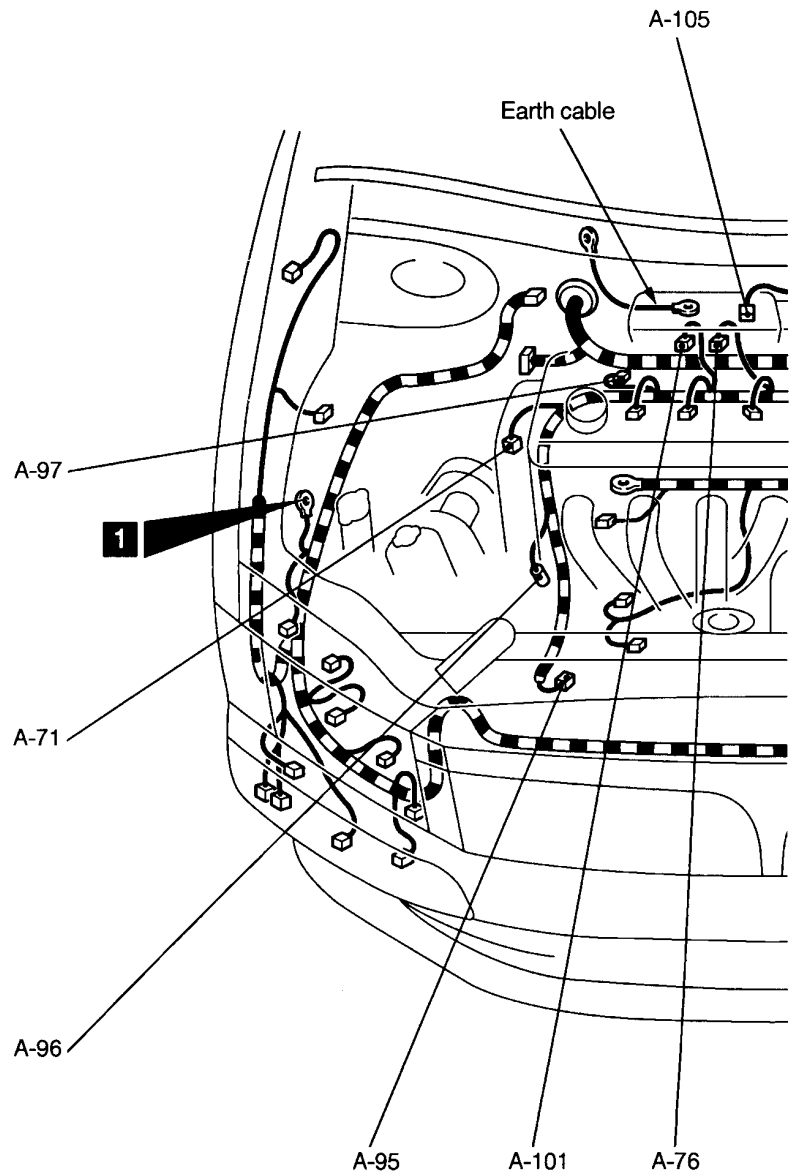
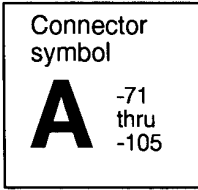
SPACE RUNNER <4G63-MPI (R.H. drive vehicles)>



- Connector colour code
- B: Black
  - Y: Yellow
  - L: Blue
  - G: Green
  - R: Red
  - BR: Brown
  - V: Violet
  - O: Orange
  - GR: Gray
  - None: Milk white

A-01 (5-GR)	Windshield wiper motor	A-20X (4)	Fan control relay
A-02 (2-GR)	Injector 1	A-22X (5)	Horn relay
A-03 (2-GR)	Injector 2	A-23X (5)	Front fog lamp relay
A-04 (2-GR)	Injector 3	A-24X (11)	Front-ECU
A-05 (2-GR)	Injector 4	A-25X (11)	Front-ECU
A-07 (7-B)	Air flow sensor	A-26 (2-B)	Wheel speed sensor (Front: LH) <ABS>
A-10 (2-GR)	Brake fluid level switch	A-28 (17-GR)	Front wiring harness and control wiring harness combination
A-11 (2-GR)	Side turn signal lamp (LH)	A-29 (4-B)	Front wiring harness and battery wiring harness combination
A-12X (4)	A/T control relay	A-30 (5-B)	Battery wiring harness and control wiring harness combination
A-14X (4)	Engine control relay		
A-15X (4)	Fuel pump relay		
A-17X (5)	A/C compressor relay		
A-18X (3)	Inspection connector		

SPACE WAGON <4G64-MPI (L.H. drive vehicles)>

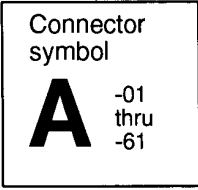


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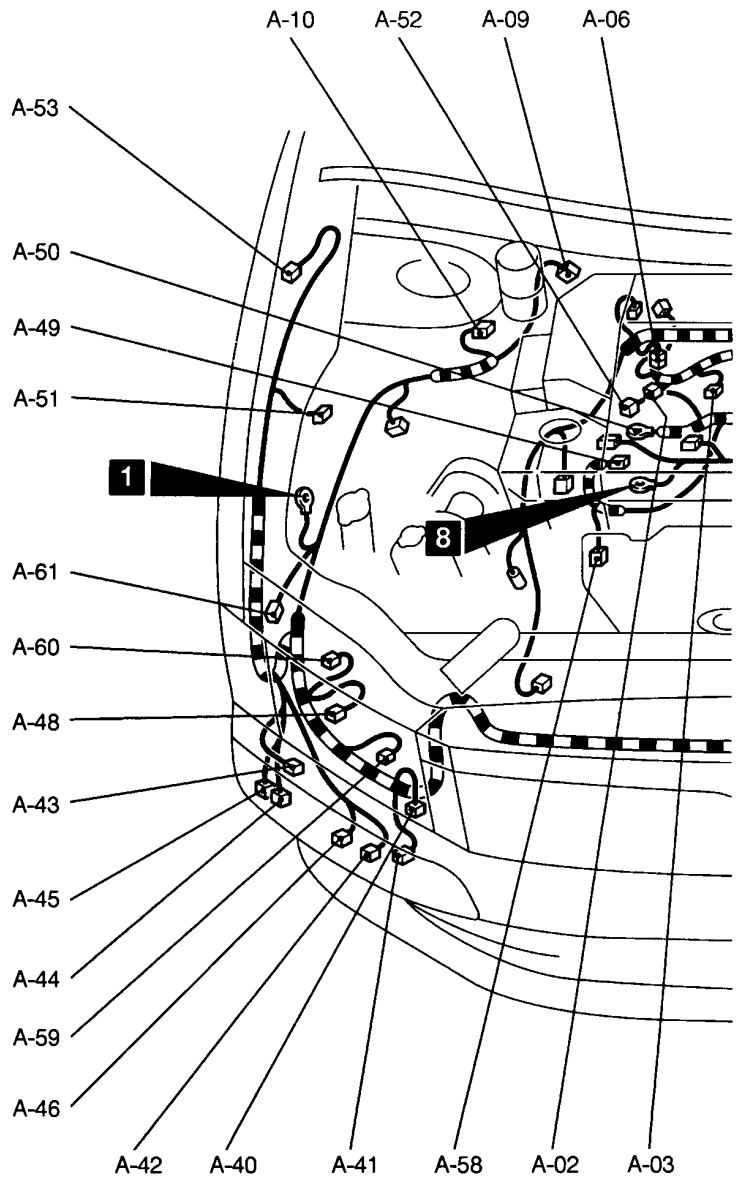
- |            |                              |             |                                       |
|------------|------------------------------|-------------|---------------------------------------|
| A-71 (3-B) | Crank angle sensor           | A-79 (2-GR) | Detonation sensor                     |
| A-73 (4-B) | Throttle position sensor     | A-80 (2-B)  | Engine coolant temperature sensor     |
| A-75 (6-B) | Idle speed control servo     | A-83 (1-B)  | Engine coolant temperature gauge unit |
| A-76 (2-B) | Purge control solenoid valve | A-84 (2-B)  | Back-up lamp switch                   |
| A-78 (3-B) | Camshaft position sensor     |             |                                       |

ENGINE COMPARTMENT

SPACE WAGON <4G64-GDI (R.H. drive vehicles)>



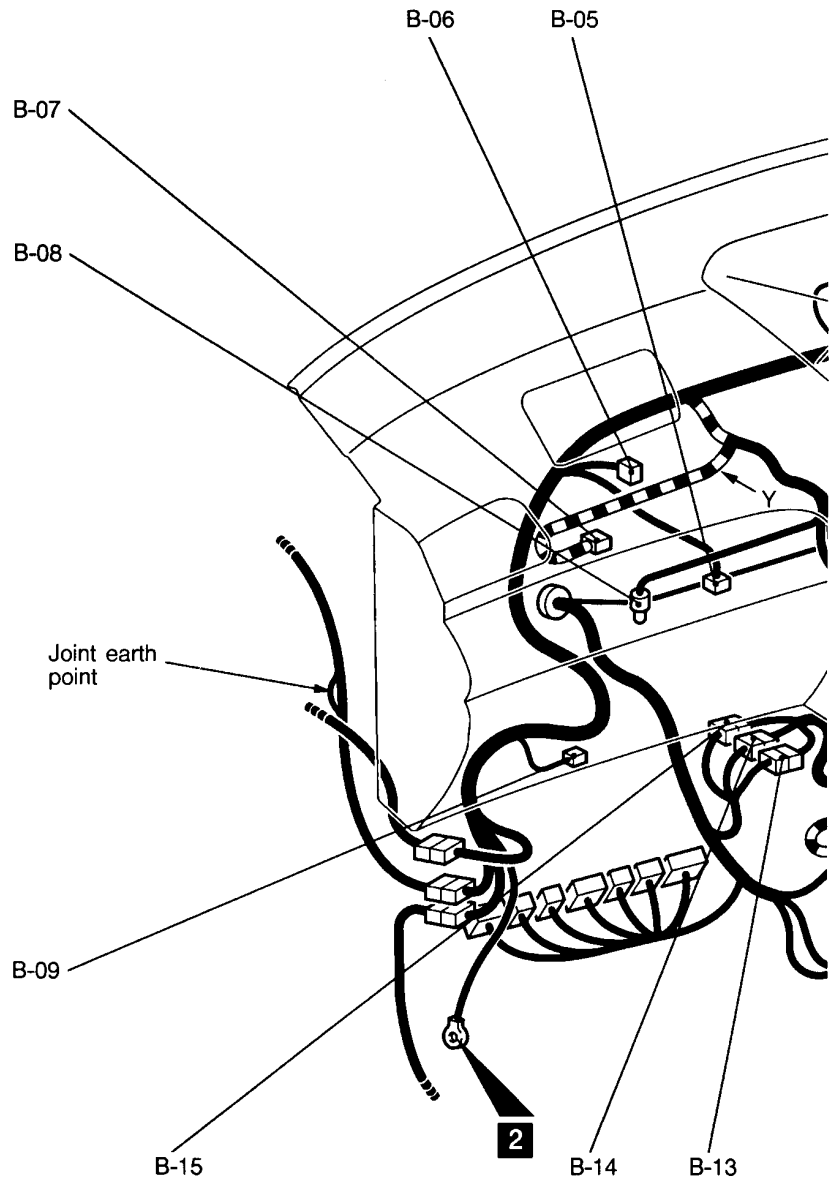
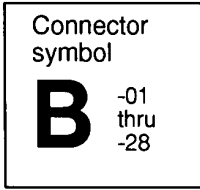
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  - R: Red
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  - V: Violet
  - O: Orange
  - GR: Gray
  - None: Milk white



A-01 (5-GR)	Windshield wiper motor	A-17X (5)	A/C compressor relay
A-02 (2-GR)	Injector 1	A-18X (3)	Inspection connector
A-03 (2-GR)	Injector 2	A-20X (4)	Fan control relay
A-04 (2-GR)	Injector 3	A-22X (5)	Horn relay
A-05 (2-GR)	Injector 4	A-23X (5)	Front fog lamp relay
A-06 (10-B)	Control wiring harness and injector wiring harness combination	A-24X (11)	Front-ECU
A-07 (7-B)	Air flow sensor	A-25X (11)	Front-ECU
A-08 (26-B)	Injector driver	A-26 (2-B)	Wheel speed sensor (Front: LH) <ABS>
A-09 (3-B)	Brake vacuum sensor	A-27 (8-B)	Front wiring harness and control wiring harness combination
A-10 (2-GR)	Brake fluid level switch	A-28 (17-GR)	Front wiring harness and control wiring harness combination
A-11 (2-GR)	Side turn signal lamp (LH)	A-29 (4-B)	Front wiring harness and battery wiring harness combination
A-12X (4)	A/T control relay	A-30 (5-B)	Battery wiring harness and control wiring harness combination
A-13X (4)	Injector driver control relay		
A-14X (4)	Engine control relay		
A-15X (4)	Fuel pump relay		

DASH PANEL

R.H. drive vehicles



Connector colour code

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- Y: Yellow
- L: Blue
- G: Green
- R: Red
- BR: Brown
- V: Violet
- O: Orange
- GR: Gray
- None: Milk white

B-01 (17)	Combination meter	B-08 (2)	Glove box lamp
B-02 (25)	Combination meter	B-09 (2)	Blower motor
B-03 (16-B)	Multi center display unit	B-13 (4)	Instrument panel wiring harness and control wiring harness combination
B-04 (20-B)	Multi center display unit	B-14 (32)	Instrument panel wiring harness and control wiring harness combination
B-05 (4)	Blower resistor		
B-06 (7)	Outside/Inside air selection damper control motor		
B-07 (2-R)	Air bag module (squib) (Passenger's side)		

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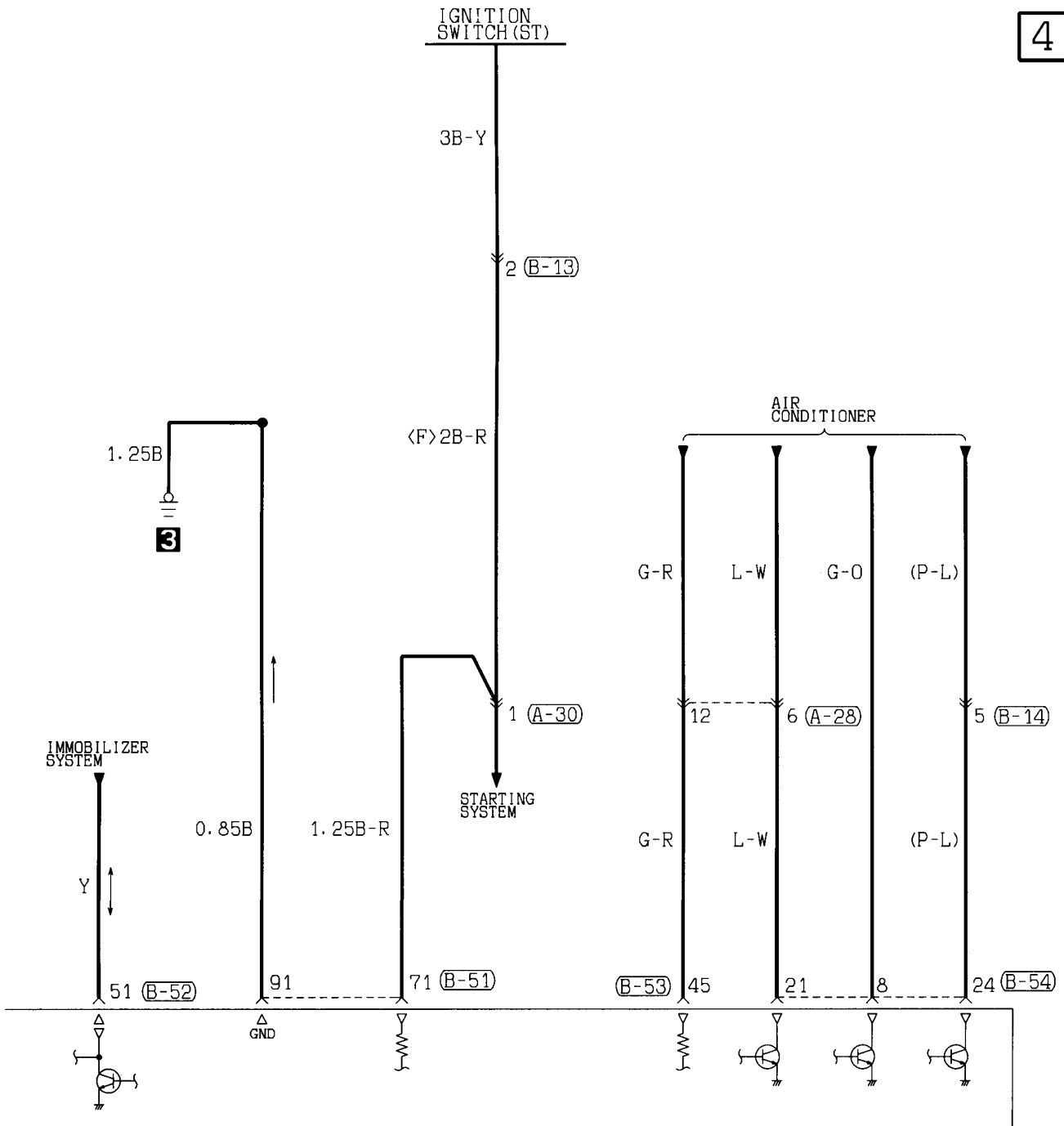
# CIRCUIT DIAGRAMS

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4



(B-51) (MU801823)

(B-52)

(B-53)

(B-54)

71	72	73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90	91	92

51	52	53	54	55	56
57	58	59	60	61	62

31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

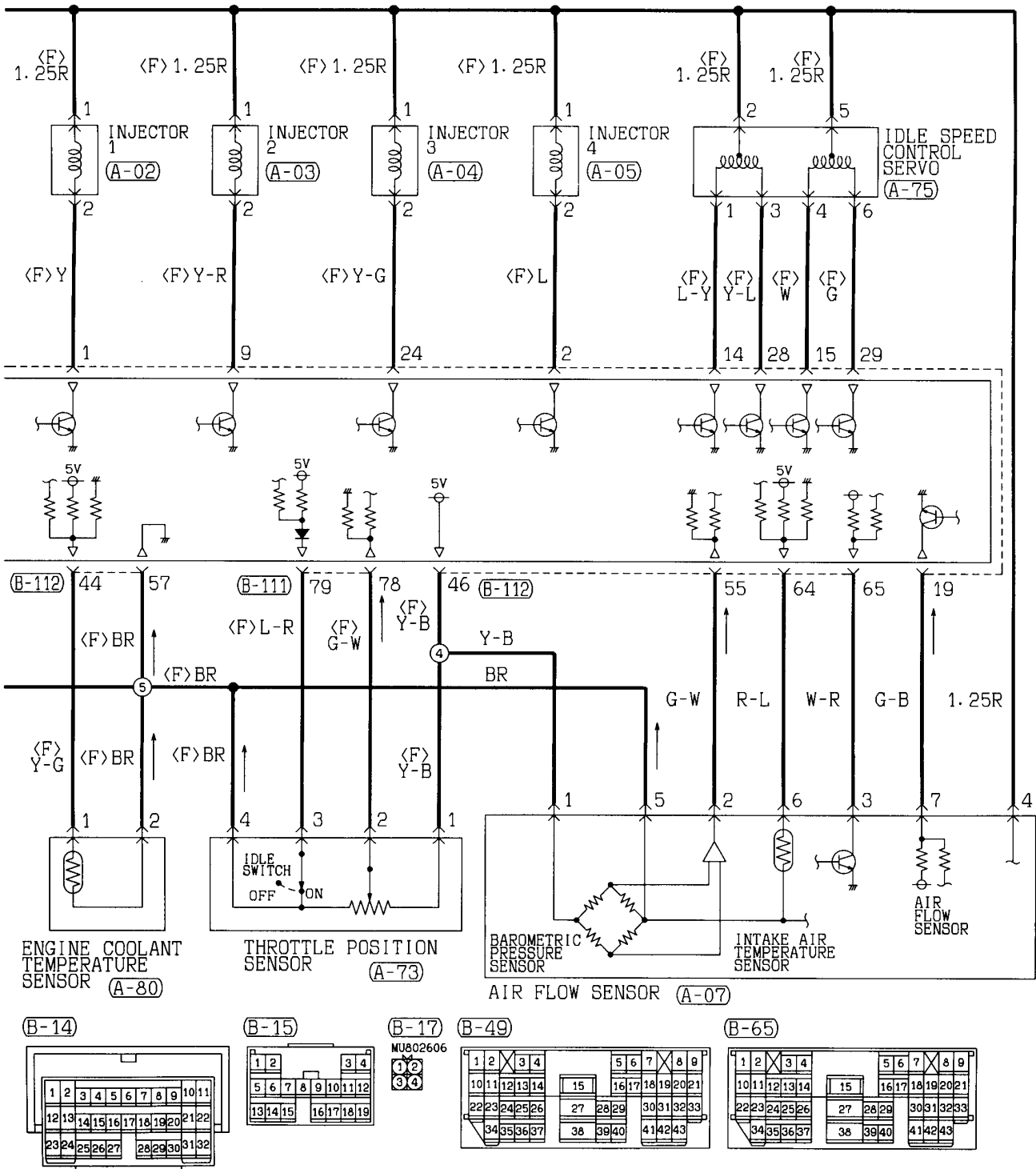
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14	15	16	17	18	19	20	21	22	23	24	25	26

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

6

NOTE  
\*1:LHD  
\*2:RHD



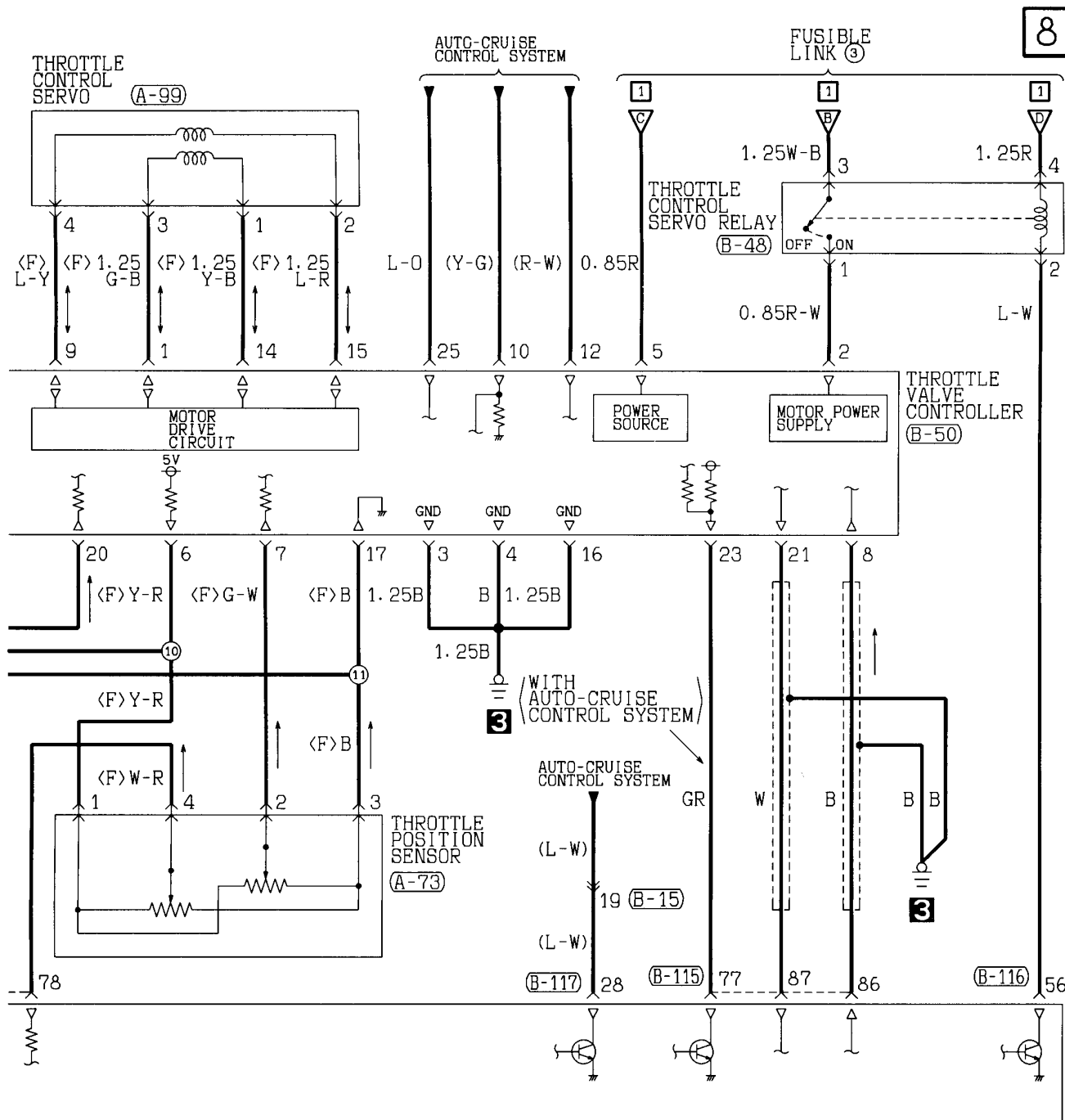
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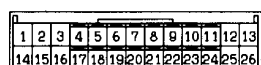
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(B-48)



(B-50) (MU801824)



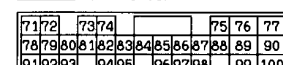
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Refer to P. 4-138

(B-66)

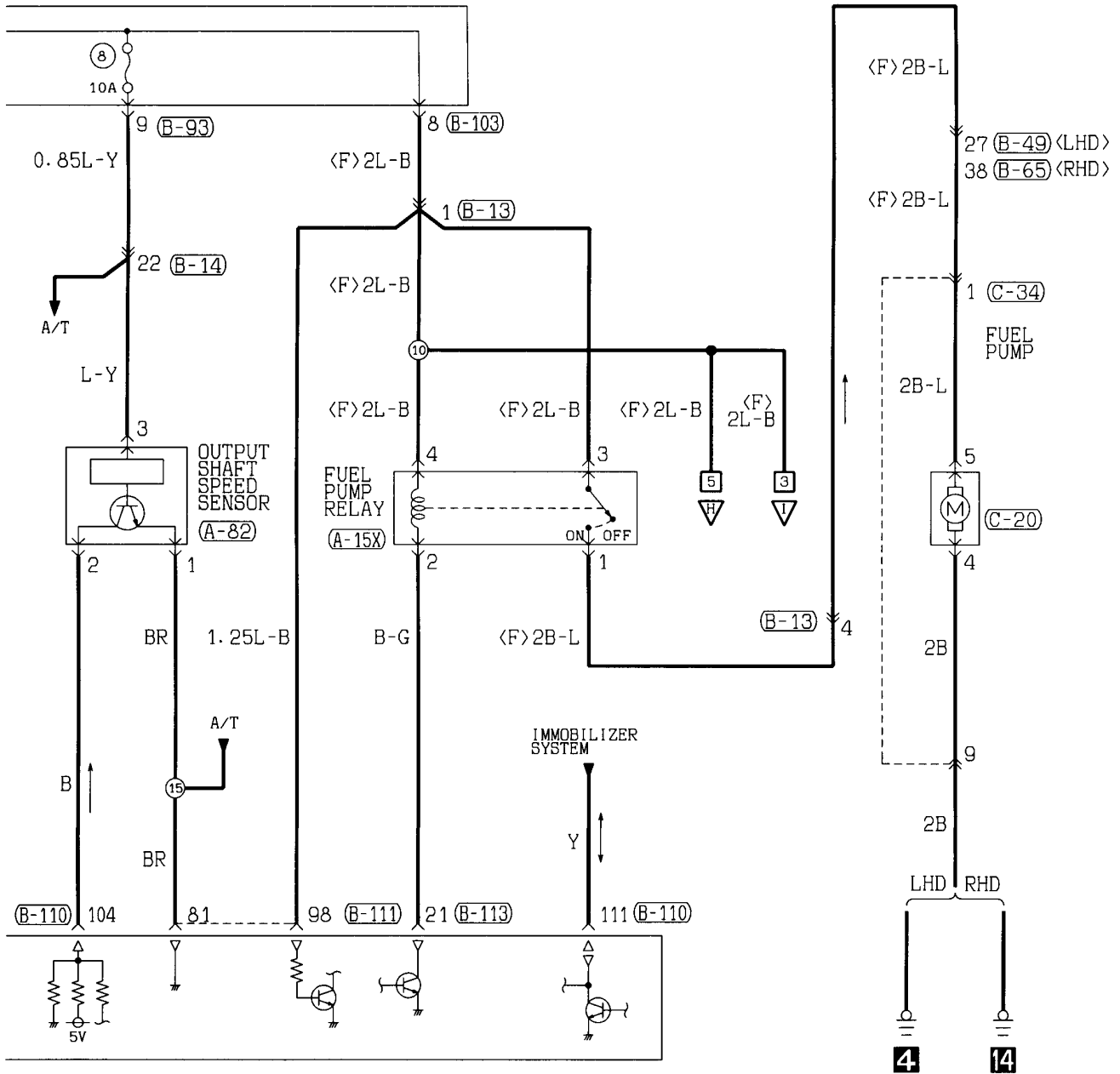
Refer to P. 4-138

(B-115) (MU803783)



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

2



(B-13) MU801365



(B-14) Refer to P. 4-138

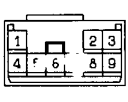
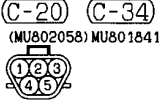
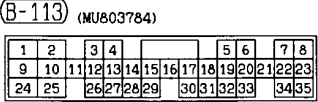
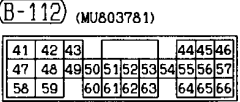
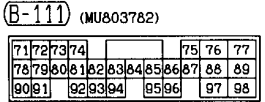
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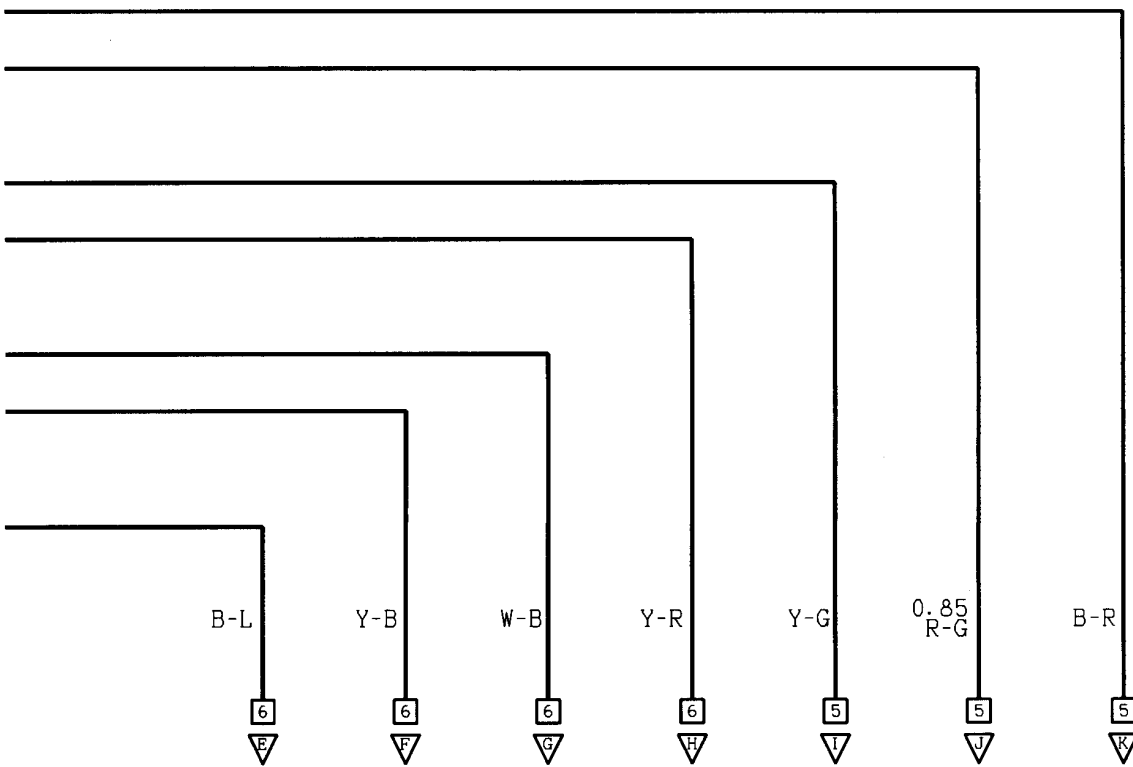
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(B-66) Refer to P. 4-138



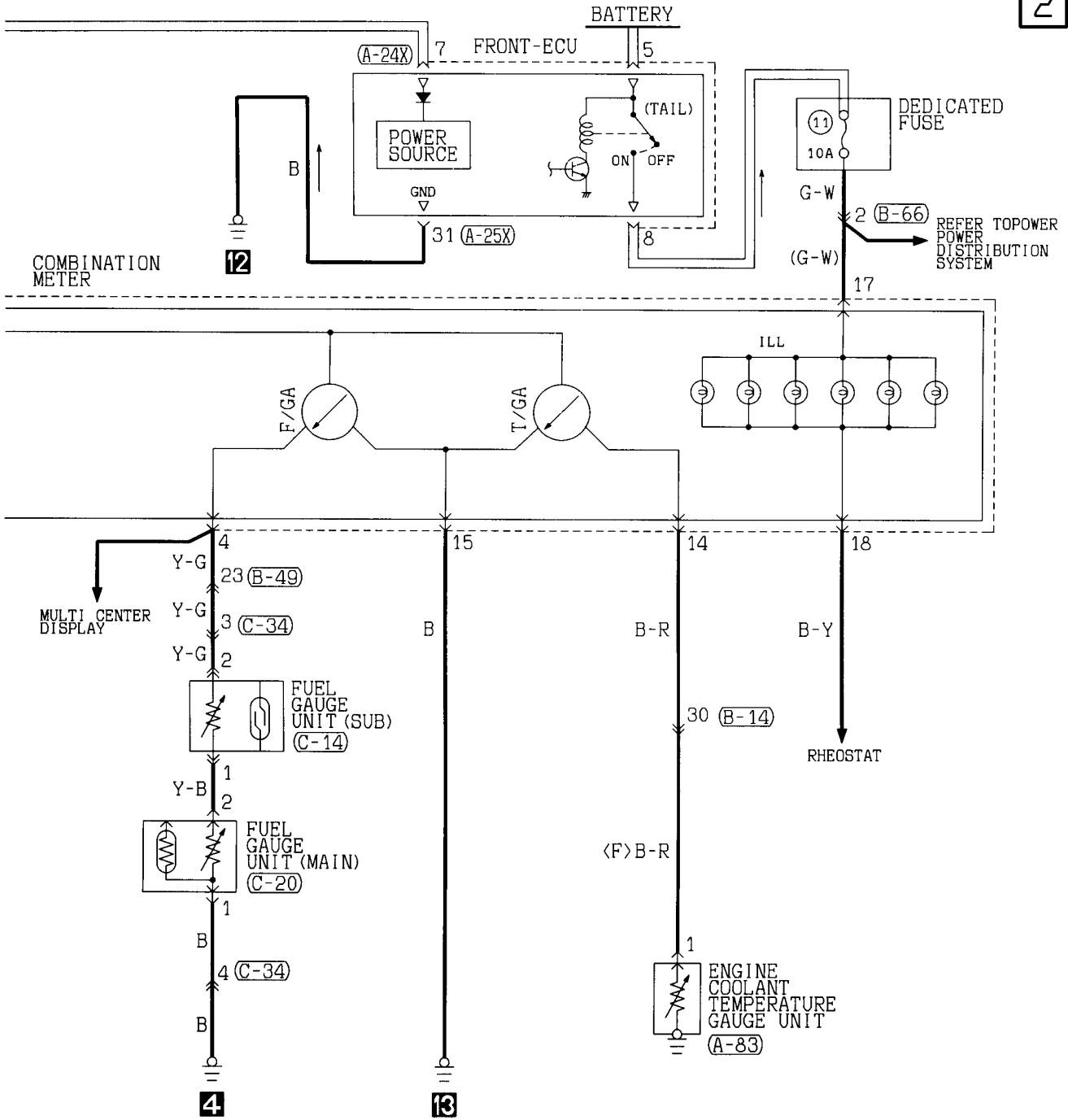


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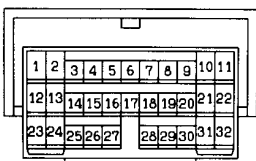


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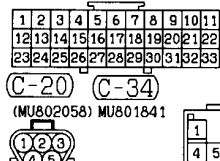
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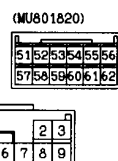
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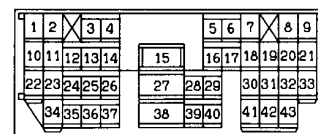
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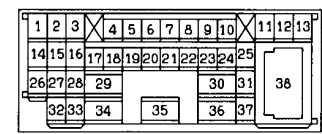
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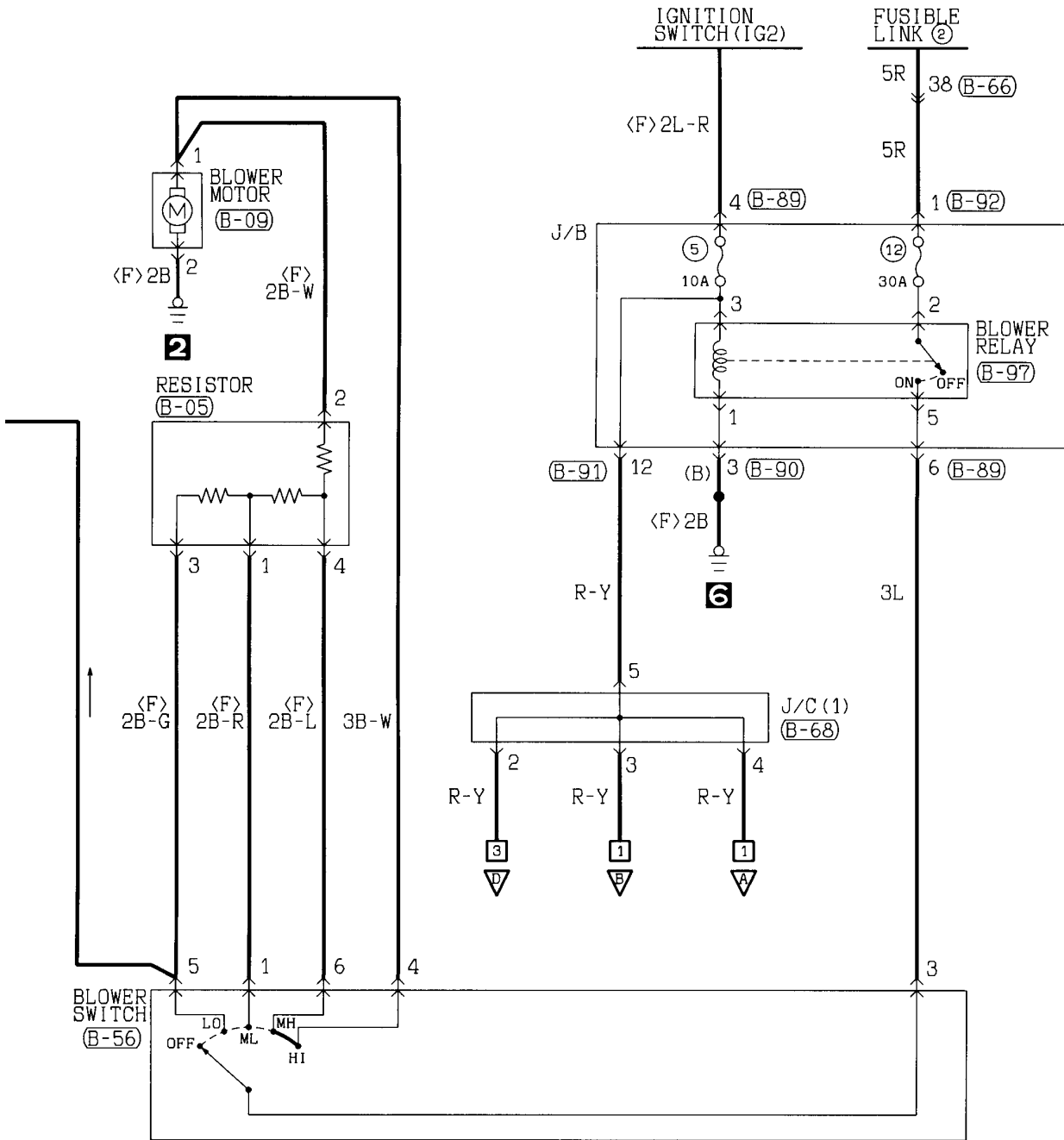
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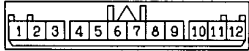
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2



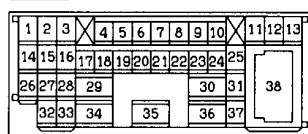
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(MU802098)



(B-60)  
(MU801441)



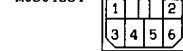
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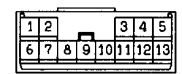
(B-68)



(B-89)  
(MU801331)



(B-90) MU801855



Wire colour code

B : Black LG : Light green  
BR : Brown O : Orange

G : Green GR : Gray

L : Blue R : Red

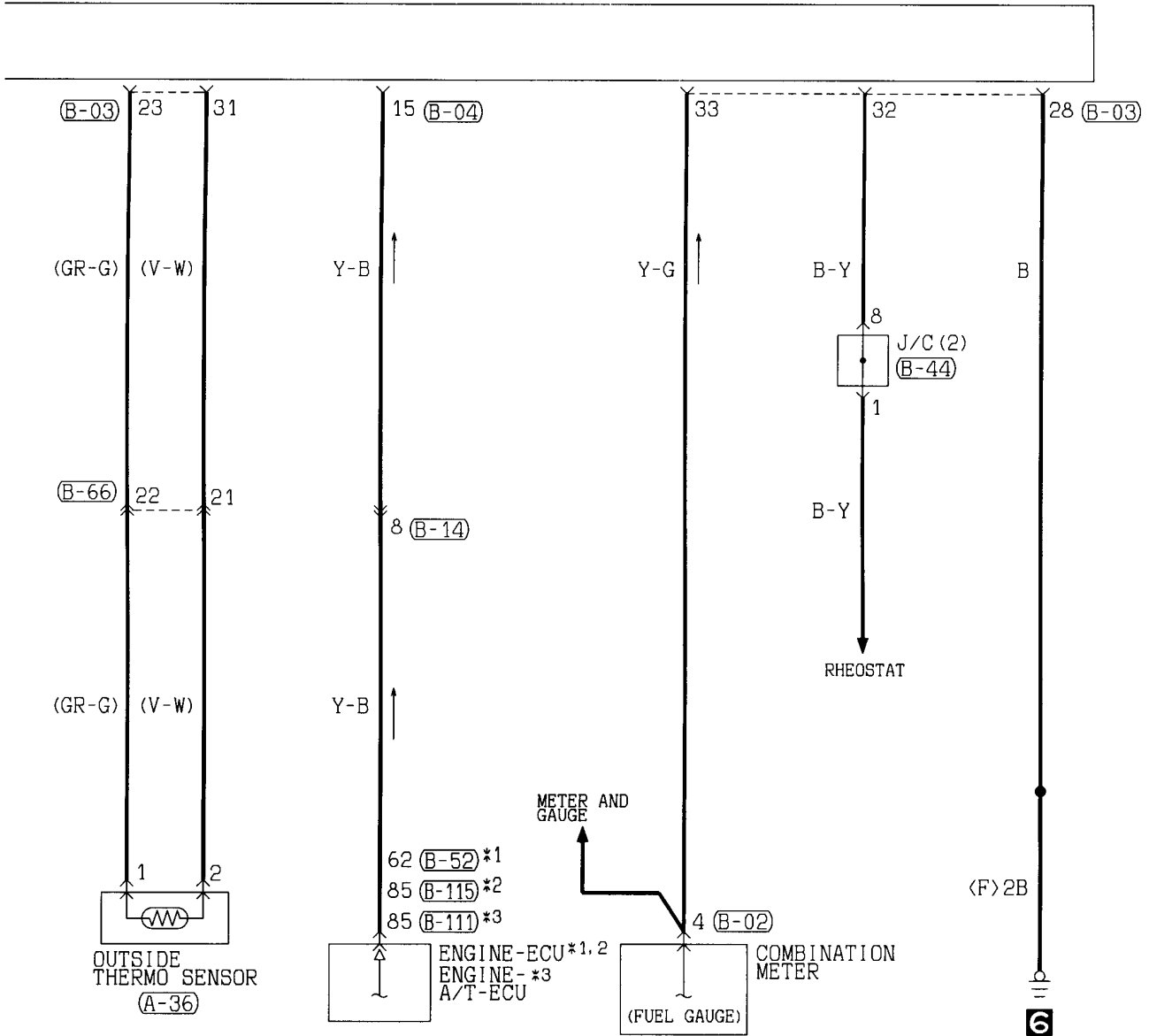
W : White P : Pink

Y : Yellow V : Violet

SB : Sky blue

4

NOTE  
 \*1:MPI-M/T  
 \*2:GDI-M/T  
 \*3:A/T



(B-52) (MU801820)

51	52	53	54	55	56
57	58	59	60	61	62

(B-66)

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	38
26	27	28	29					30	31			
		32	33	34		35		36	37			

(B-111) (MU803782)

71	72	73	74			75	76	77			
78	79	80	81	82	83	84	85	86	87	88	89
90	91	92	93	94	95	96	97	98			

(B-115) (MU803783)

71	72	73	74			75	76	77				
78	79	80	81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100			

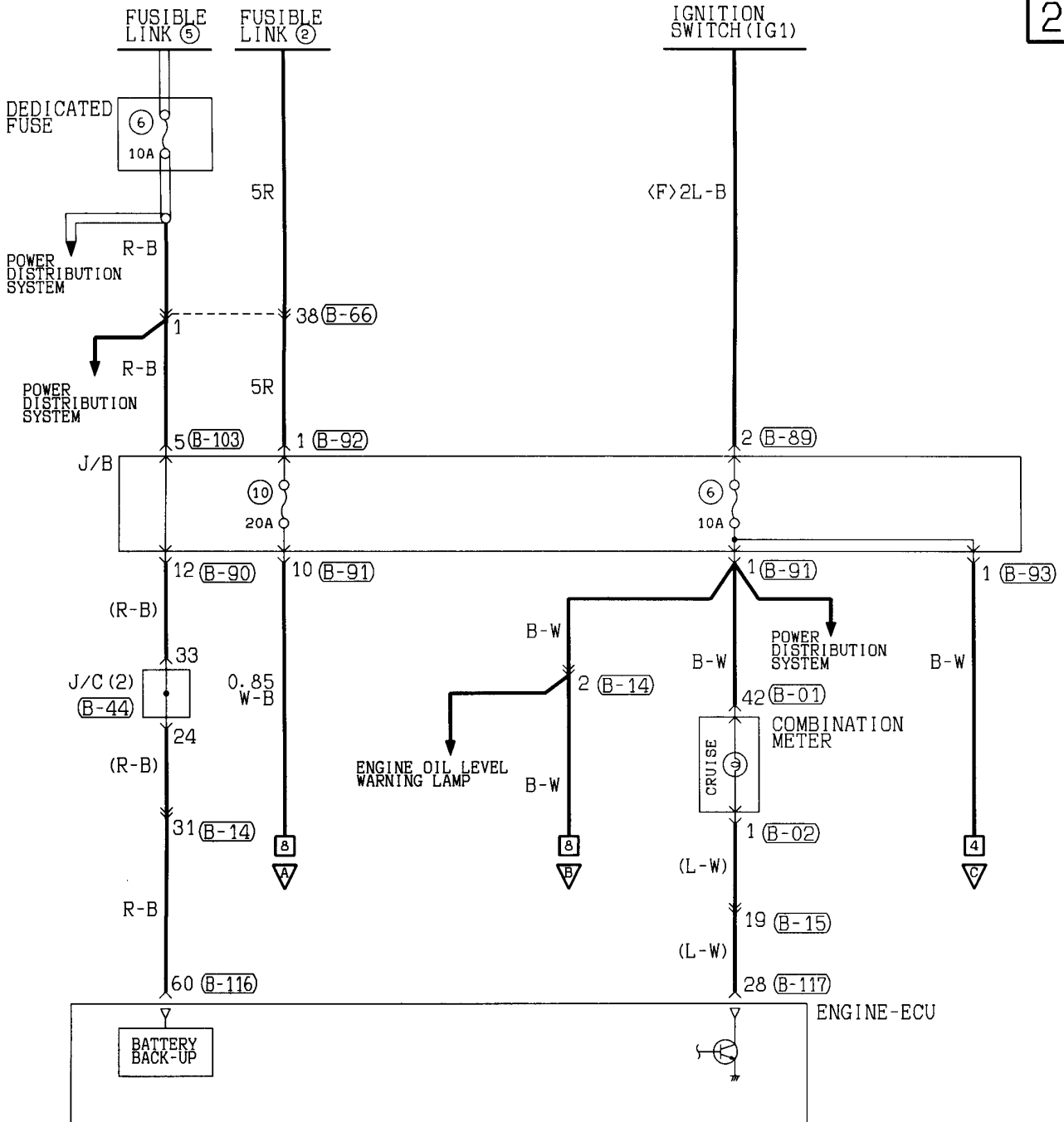
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 V : Violet



---

NOTES

2



(B-44)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-48)

1	2
3	4

(B-50) (MU801824)

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

(B-66)

1	2	3	4	5	6	7	8	9	10	11	12	13		
14	15	16	17	18	19	20	21	22	23	24	25			
26	27	28	29		30	31		32	33	34	35	36	37	38

(B-89)

1	2		
3	4	5	6

(B-90) MU801855

1	2	3	4	5			
6	7	8	9	10	11	12	13

(B-112) (MU803781)

41	42	43		44	45	46				
47	48	49	50	51	52	53	54	55	56	57
58	59	60	61	62	63	64	65	66		

(B-116) (MU803782)

41	42	43	44		45	46	47				
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60	61	62	63	64	65	66	67	68			

(B-117)

1	2	3	4		5	6	7	8						
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
24	25	26	27	28	29	30	31	32	33	34	35			

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