

WIRING HARNESS CONFIGURATION DIAGRAMS

Connector symbol	Name		Reference page	Description of changes
A	ENGINE COMPARTMENT	MPI-SOHC <L.H. drive vehicles>	2-2	<ul style="list-style-type: none"> The colours of the following connectors have been changed. Input shaft speed sensor (A-28) Output shaft speed sensor (A-29) Condenser fan motor (A-34) Outside thermo sensor (A-35) The mounting positions of the following connectors have been changed. Outside thermo sensor (A-35) Horn (LO) (A-25) Horn (HI) (A-41) Condenser fan relay (LO) (A-90X) An oxygen sensor (front) connector (A-126) has been added to correspond to changes to the engine control system. An ignition failure sensor connector (A-131) has been added to correspond to changes to the ignition system.
		MPI-SOHC <R.H. drive vehicles>	2-6	
		GDI <L.H. drive vehicles>	2-10	<ul style="list-style-type: none"> The colours of the following connectors have been changed. Condenser fan motor (A-34) Outside thermo sensor (A-35) The mounting positions of the following connectors have been changed. Outside thermo sensor (A-35) Horn (LO) (A-25) Horn (HI) (A-41) Condenser fan relay (LO) (A-90X) Fuel pressure sensor (A-122) The oxygen sensor connector (A-126) has been changed to an oxygen sensor (front) connector (A-126) to correspond to changes to the engine control system. An ignition failure sensor connector (A-131) has been added to correspond to changes to the ignition system. The control wiring harness and ABV wiring harness combination connector (A-119) has been abolished, and an EGR wiring harness and control wiring harness combination connector (A-135) has been added.
		GDI <R.H. drive vehicles>	2-14	
		Diesel <F9Q-L.H. drive vehicles>	2-18	<ul style="list-style-type: none"> A wiring harness configuration diagram has been added to correspond to the adoption of vehicles with F9Q engine.
		Diesel <F9Q-R.H. drive vehicles>	2-22	

TABLE OF CIRCUIT DIAGRAMS

This table of circuit diagrams indicates those circuits in which changes and/or additions, etc. have been made; the circuits are here listed in the sequence in which they are presented in the wiring diagrams. Please use this table for reference when following maintenance or repair procedures.

NOTE

- (1) A (Added) : This circuit has been newly added.
 (2) R (Revised) : This circuit has been changed.
 (3) D (Deleted) : This circuit has been deleted.
 (4) I (Included) : This circuit is included in the previous manual(s).
 (5) N (Not applicable) : This circuit is not applicable.
 (6) P (Previous manual) : This circuit is not included, because it has not been changed.
 Refer to the previous manual(s).

Main circuit	Circuit classifications	Previous manual: Pub. No. PHDE9501 '96 model (Basic)	Previous manual: Pub. No. PHDE9501-A (Supplement)	Previous manual: Pub. No. PHDE9501-B (Supplement)	Previous manual: Pub. No. PHDE9501-C (Supplement)	Previous manual: Pub. No. PHDE9501-D (Supplement)	This manual: Pub. No. PHDE9501-E (Supplement)
JUNCTION BLOCK (J/B)	-	I	P	P	P	R	P
JOINT CONNECTOR (J/C)	-	I	P	P	P	P	P
CENTRALIZED JUNCTION	-	I	R	R	P	R	R
POWER DISTRIBUTION SYSTEM	Vehicles without daytime running lamp	I	R	R	P	R	R
	Vehicles with daytime running lamp	I	R	R	P	R	R
STARTING SYSTEM	Petrol-powered vehicles <MPI>	I	P	P	P	R	P
	Petrol-powered vehicles <GDI>	N	N	N	A	R	P
	Diesel-powered vehicles	N	A	P	P	R	D
	Diesel-powered vehicles <F9Q>	N	N	N	N	N	A
IGNITION SYSTEM	MPI-SOHC-M/T	I	R	P	P	R	R
	MPI-SOHC-A/T	N	N	A	P	R	R
	MPI-DOHC	I	R	D	D	D	D
	GDI	N	N	A	P	R	D
	GDI-M/T	N	N	N	N	N	A
	GDI-A/T	N	N	N	N	N	A
CHARGING SYSTEM	Petrol-powered vehicles <MPI>	I	P	P	P	R	P
	Petrol-powered vehicles <GDI>	N	N	N	A	R	R
	Diesel-powered vehicles	N	A	R	P	R	D
	Diesel-powered vehicles <F9Q>	N	N	N	N	N	A

MODELS

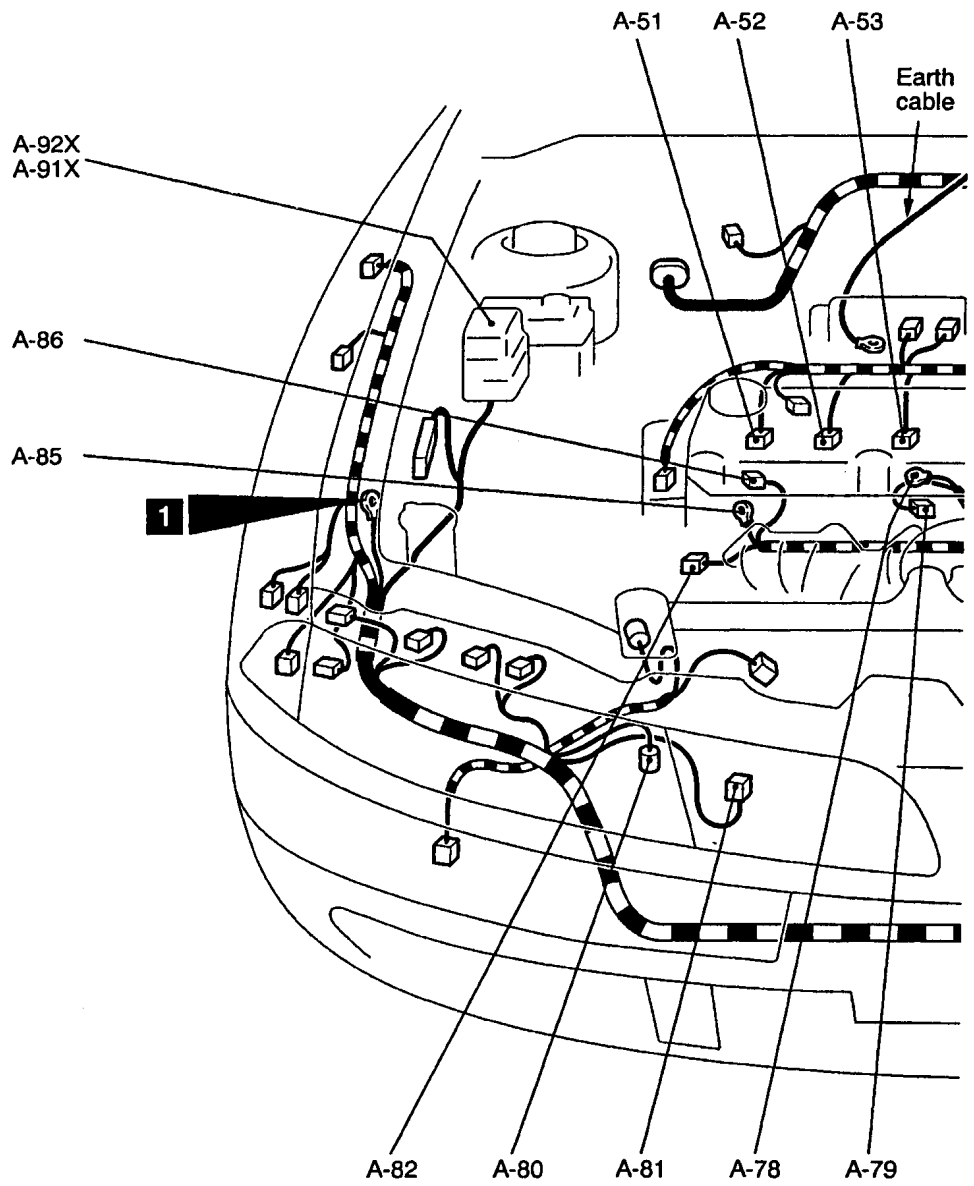
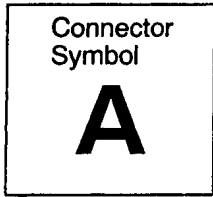
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Model code		Engine model	Transmission model	Fuel supply system
DA1A	LNSEL6/R6	4G92-SOHC (1,597 ml)	F5MR1 (2WD-5M/T)	MPI
	LNUEL6/R6			
	LRUEL6/R6		F4A41 (2WD-4A/T)	
	LNGEL6/R6		F5MR1 (2WD-5M/T)	
	LRGEL6/R6		F4A41 (2WD-4A/T)	
DA2A	LNSCL6/R6	4G93-DOHC (1,834 ml)	F5M42 (2WD-5M/T)	GDI
	LNUCL6/R6			
	LRUCL6/R6		F4A42 (2WD-4A/T)	
	LRUCL6C/R6C		F4A42 (2WD-Sports Mode 4A/T)	
	LNGCL6/R6		F5M42 (2WD-5M/T)	
	LRGCL6/R6		F4A42 (2WD-4A/T)	
	LNXCL6/R6		F5M42 (2WD-5M/T)	
	LRXCL6/R6		F4A42 (2WD-4A/T)	
DA5A	LNSFL6/R6	F9Q1 (1,870 ml)	F5MV1 (2WD-5M/T)	Fuel injection pump
	LNUFL6/R6			
	LNXFL6/R6			
	LNUVL6/R6	F9Q2 (1,870 ml)		
	LNXVL6/R6			
	LNGVL6/R6			

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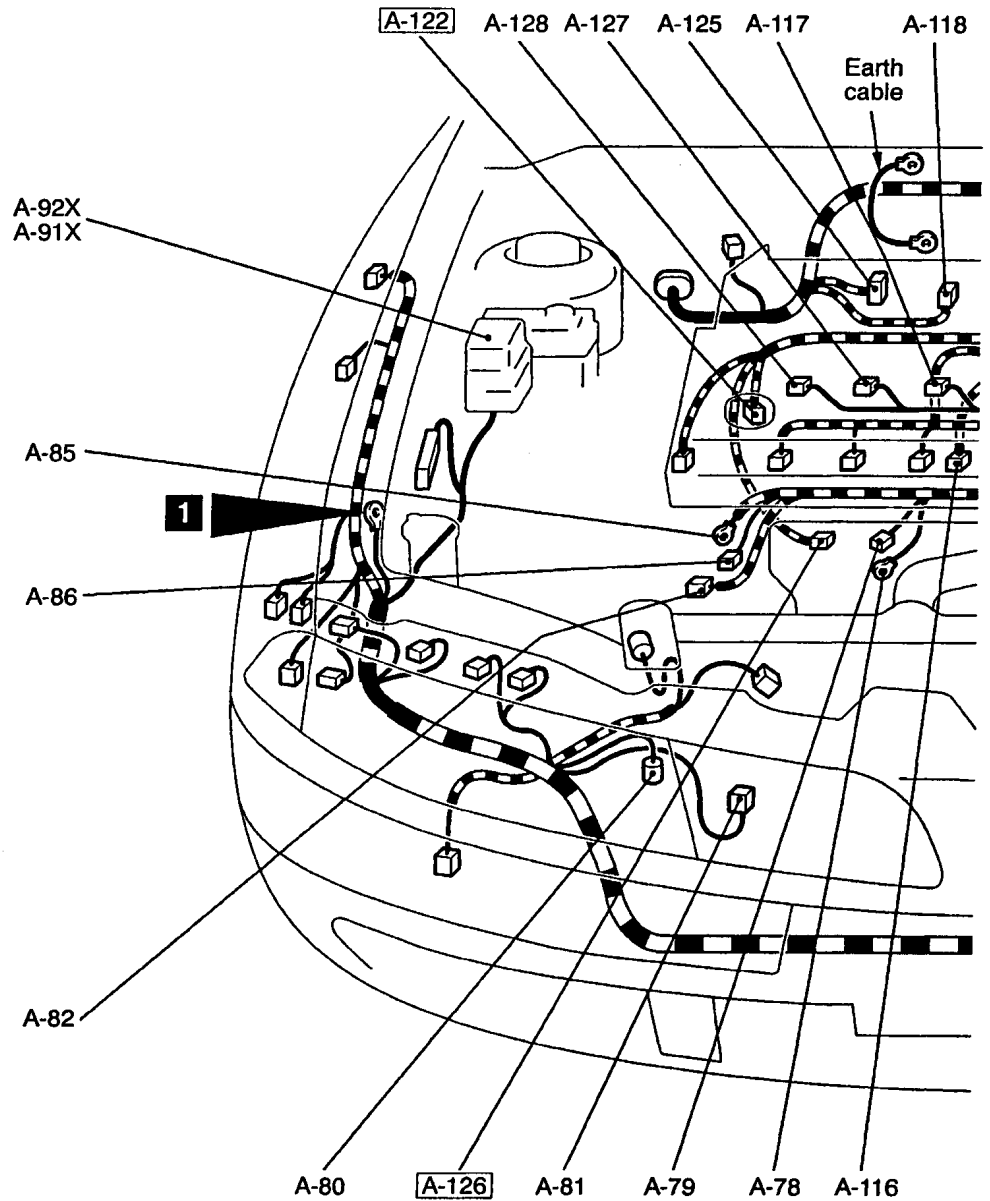
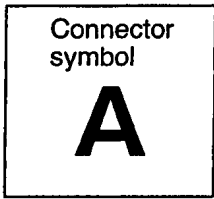
Model code		Engine model	Transmission model	Fuel supply system
DA1A	SNSEL6/R6	4G92-SOHC (1,597 ml)	F5MR1 (2WD-5M/T)	MPI
	SNUEL6/R6			
	SRUEL6/R6		F4A41 (2WD-4A/T)	
	SNGEL6/R6		F5MR1 (2WD-5M/T)	
	SRGEL6/R6		F4A41 (2WD-4A/T)	

MPI-SOHC <L.H. drive vehicles>



- | | | | |
|-------------|--------------------------|-------------|---|
| A-51 (2-GR) | Injector No. 1 | A-65X (5) | Headlamp washer relay |
| A-52 (2-GR) | Injector No. 2 | A-67X (5) | Horn relay |
| A-53 (2-GR) | Injector No. 3 | A-68 (10-B) | Front wiring harness and DRL wiring harness combination |
| A-54 (2-GR) | Injector No. 4 | A-69 (10-B) | Front wiring harness and DRL wiring harness combination |
| A-56 (4-B) | Throttle position sensor | A-70 (3-B) | Headlamp leveling unit (LH) |
| A-57 (6-B) | Idle speed control servo | A-71 (3-B) | Headlamp (LH) |
| A-61X (5) | Tail lamp relay <DRL> | A-72 (2-B) | Position lamp (LH) |
| A-62X (4) | Alternator relay | A-75 (1-B) | Engine coolant temperature gauge unit |
| A-63X (5) | Radiator fan relay | | |
| A-64X (5) | Headlamp relay | | |

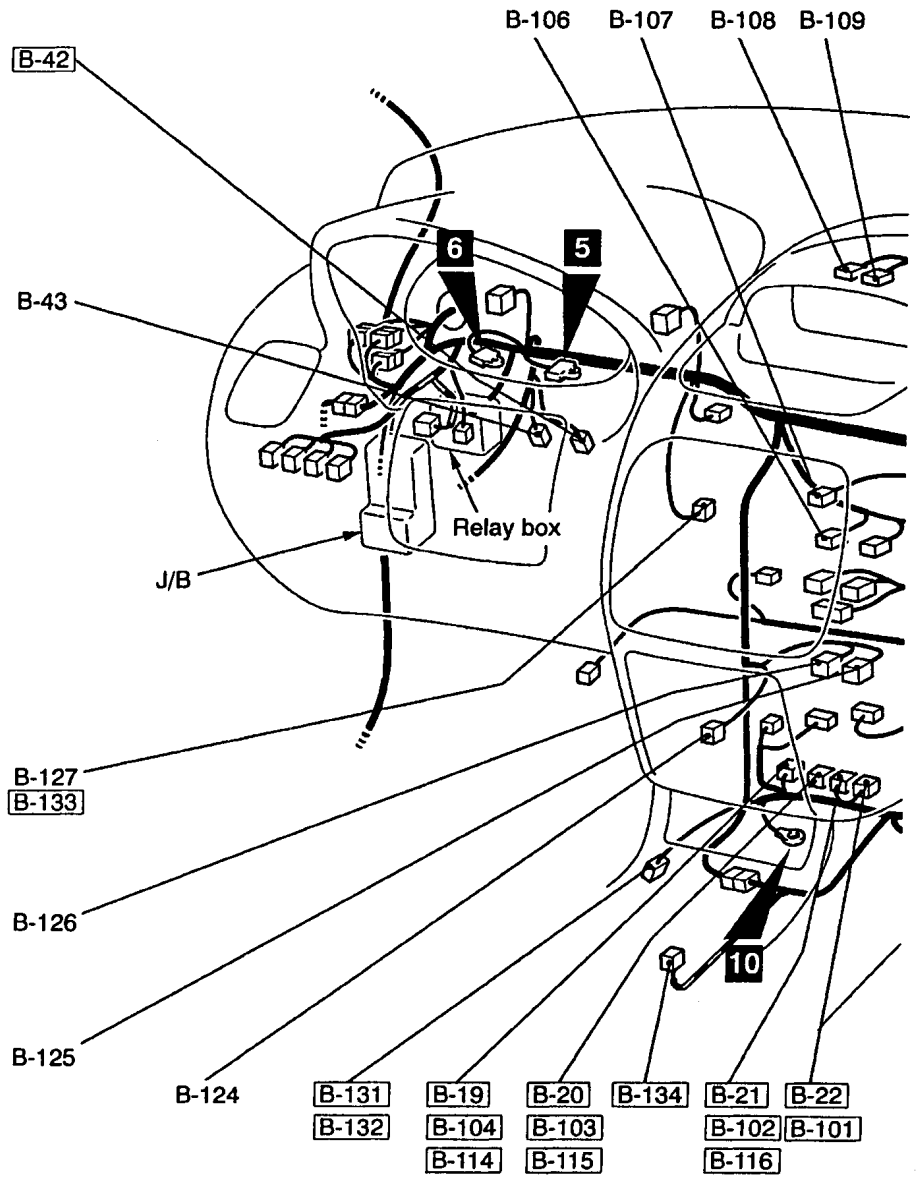
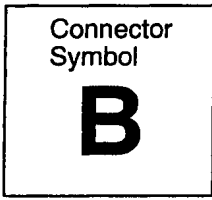
GDI <L.H. drive vehicles>



- A-61X (5) Tail lamp relay <DRL>
- A-62X (4) Alternator relay
- A-63X (5) Radiator fan relay
- A-64X (5) Headlamp relay
- A-65X (5) Headlamp washer relay
- A-67X (5) Horn relay
- A-68 (10-B) Front wiring harness and DRL wiring harness combination
- A-69 (10-B) Front wiring harness and DRL wiring harness combination
- A-70 (3-B) Headlamp leveling unit (LH)
- A-71 (3-B) Headlamp (LH)

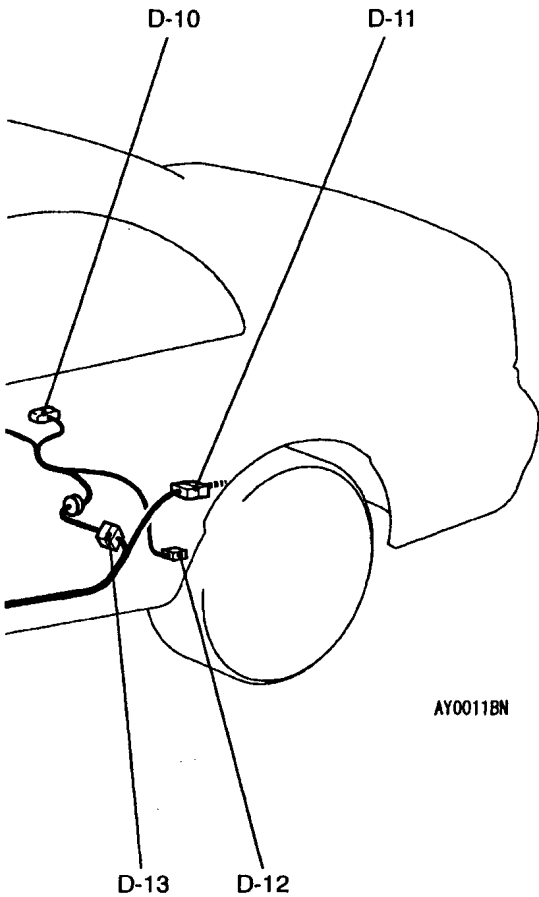
- A-72 (2-B) Position lamp (LH)
- A-75 (1-B) Engine coolant temperature gauge unit
- A-76 (2-B) Engine coolant temperature sensor
- A-77 (2-GR) Detonation sensor
- A-78 (1) Starter
- A-79 (1-B) Starter
- A-80 (2-BR) Dual pressure switch
- A-81 (1-B) A/C refrigerant temperature switch and magnetic clutch
- A-82 (1-B) Oil pressure switch
- A-85 (1) Alternator
- A-86 (4-DG) Alternator

L.H. drive vehicles

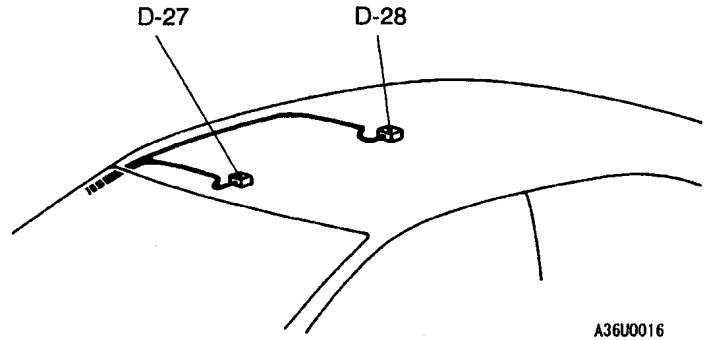


- | | |
|--|--|
| <p>B-15 (4) Control wiring harness and body wiring harness combination <Petrol></p> <p>B-16 (20) Control wiring harness and body wiring harness combination</p> <p><u>B-19</u> (26-Y) Engine-ECU <Petrol-M/T (except GDI)></p> <p><u>B-20</u> (16-Y) Engine-ECU <Petrol-M/T (except GDI)></p> <p><u>B-21</u> (12-Y) Engine-ECU <Petrol-M/T (except GDI)></p> <p><u>B-22</u> (22-Y) Engine-ECU <Petrol-M/T (except GDI)></p> <p><u>B-42</u> (3-B) Stop lamp switch <Petrol powered vehicles without auto-cruise control system> or no connection <Petrol powered vehicles with auto-cruise control system></p> <p><u>B-42</u> (4) Stop lamp switch <Diesel></p> | <p>B-43 (4-BR) Stop lamp switch <Petrol powered vehicles with auto-cruise control system></p> <p>B-96 (4) Engine control relay <Petrol></p> <p>B-97 (4) Fuel pump relay <Petrol></p> <p>B-100 (2) Control wiring harness and body wiring harness combination <Diesel></p> <p><u>B-101</u> (30) Engine-A/T-ECU <Petrol-A/T></p> <p><u>B-102</u> (28) Engine-A/T-ECU <Petrol-A/T></p> <p><u>B-103</u> (26) Engine-A/T-ECU <Petrol-A/T></p> <p><u>B-104</u> (35) Engine-A/T-ECU <Petrol-A/T></p> <p>B-106 (16) Radio and tape player or CD player</p> <p>B-107 (10) Hazard warning switch</p> <p>B-108 (16-B) Multi center display unit</p> |
|--|--|

<Vehicles without sunroof>



AY0011BN



A36U0016

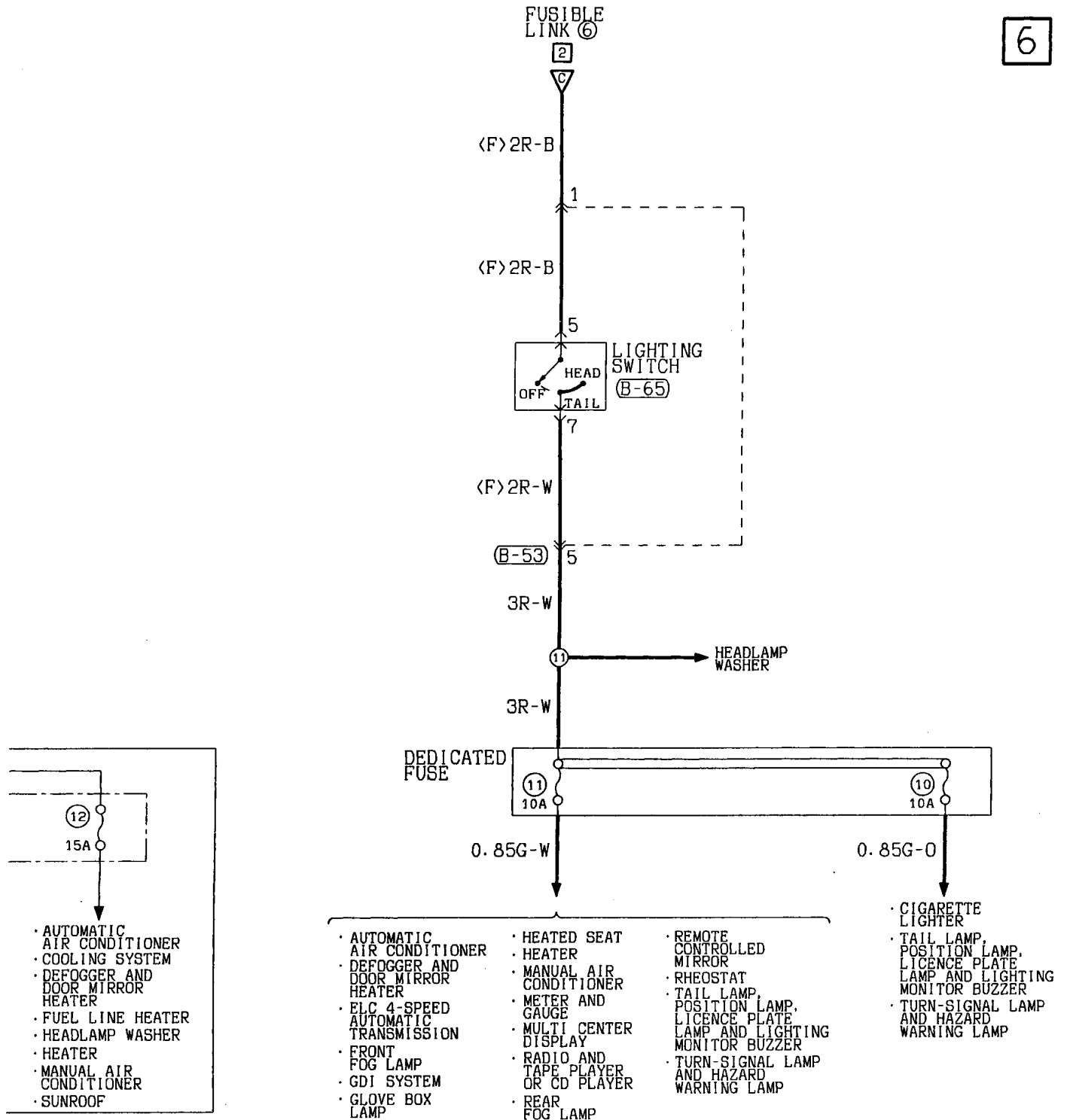
- D-14 (8) Rear door wiring harness (LH) and body wiring harness combination
- D-15 (2-R) Seat belt pretensioner (Driver's side) <SRS>
- D-16 (2) Front door switch (Driver's side)
- D-17 (2-B) Rear speed sensor (RH) <ABS>
- D-19 (6) Hold switch <A/T>
- D-20 (1-B) Parking brake switch
- D-24 (2) Shift indicator illumination lamp <A/T>
- D-27 (1) Map lamp <Vehicles without sunroof>
- D-28 (2) Room lamp <Vehicles without sunroof>

- D-29 (2-R) Side air bag module (squib) <RH>
- D-30 (2-GR) Side impact sensor (RH)
- D-31 (2-GR) Side impact sensor (LH)
- D-32 (2-R) Side air bag module (squib) <LH>
- D-33 (36-O) SRS-ECU
- D-35 (2) Catalytic temperature sensor <GDI>

NOTE

Connector numbers in are connector numbers which have been changed or added.

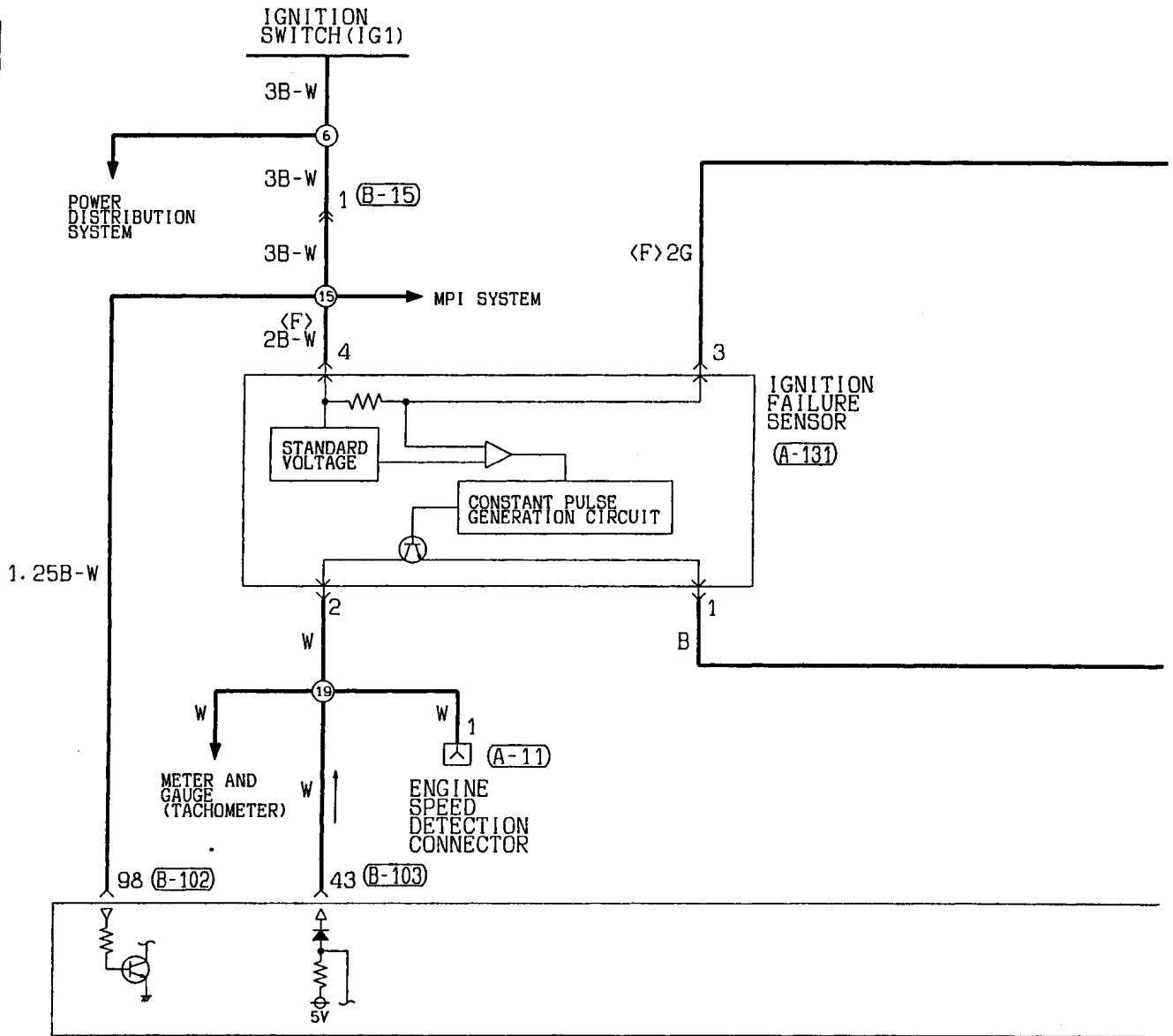
6



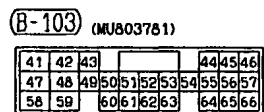
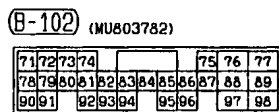
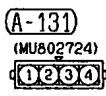
IGNITION SYSTEM

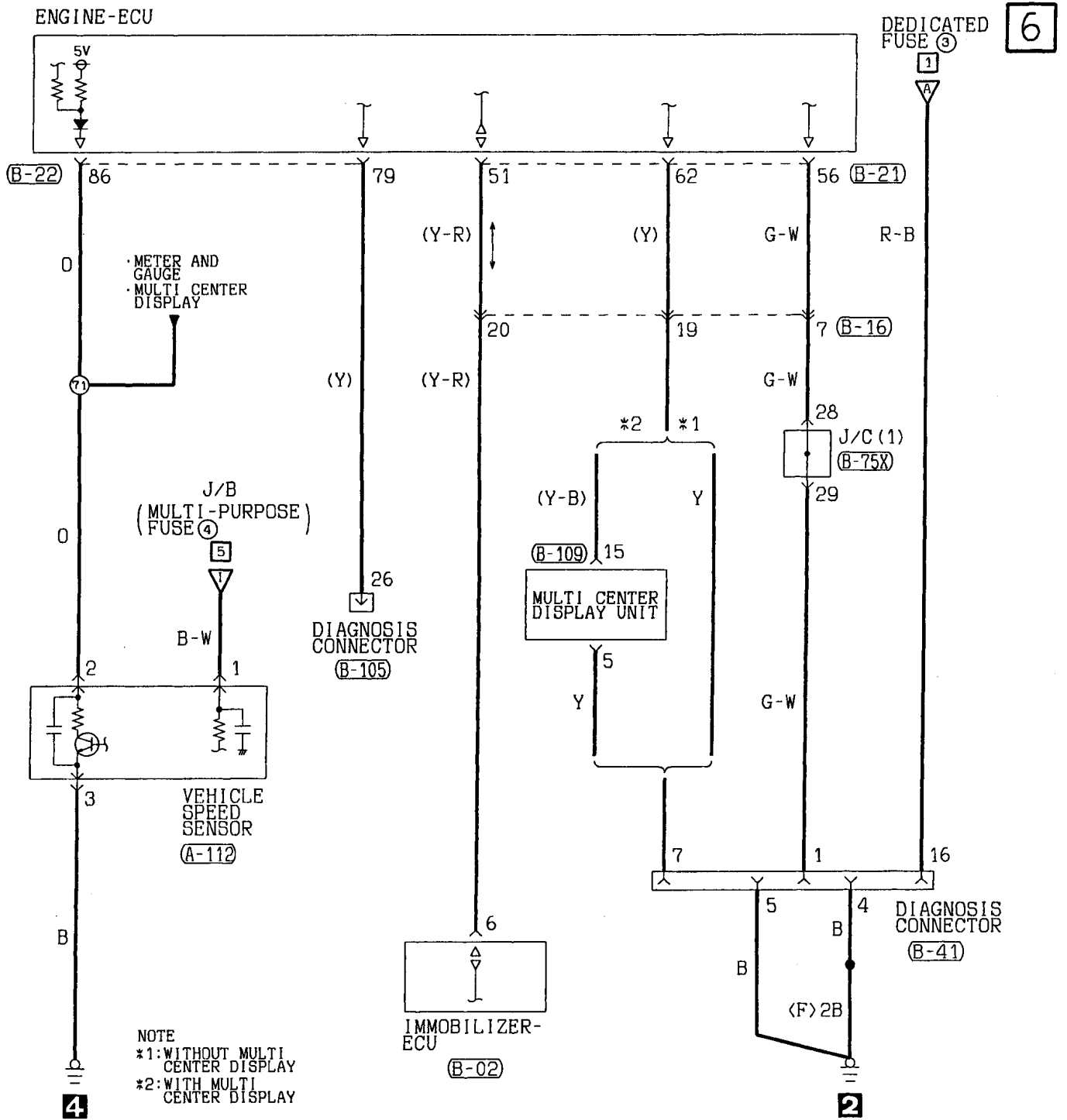
MPI-SOHC-A/T

1



INPUT SIGNAL		
• ATMOSPHERIC PRESSURE SENSOR	• DETONATION SENSOR	• INTAKE AIR TEMPERATURE SENSOR
• CRANK ANGLE SENSOR	• ENGINE COOLANT TEMPERATURE SENSOR	• VEHICLE SPEED SENSOR
• CAMSHAFT POSITION SENSOR	• IGNITION SWITCH (ST)	





(B-16) MU801457

1	2	3	4	M	5	6	7	8	9	
10	11	12	13	14	15	16	17	18	19	20

(B-19) (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-20) (MU801822)

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

(B-21) (MU801820)

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

(B-22) (MU801823)

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

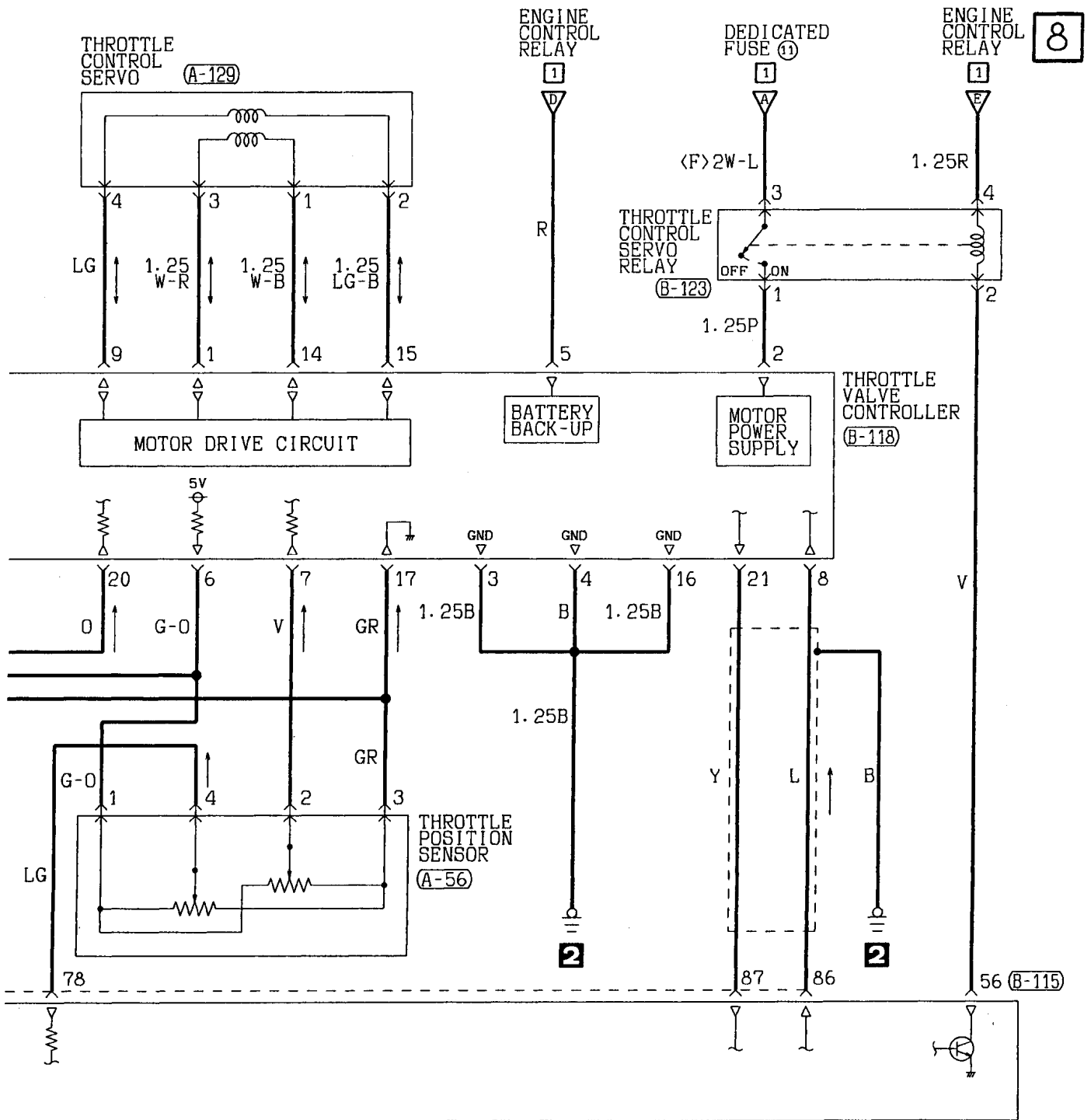
(B-105) FRONT SIDE

25	24	23	22	21		
32	31	30	29	28	27	26

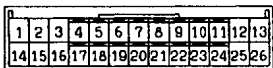
(B-109) (MU801585)

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11	12	13	14	15	16	17	18	19	20

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



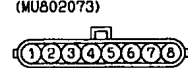
(B-118) (MU801824)



(B-123)

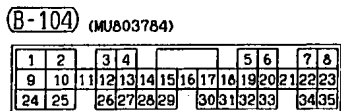
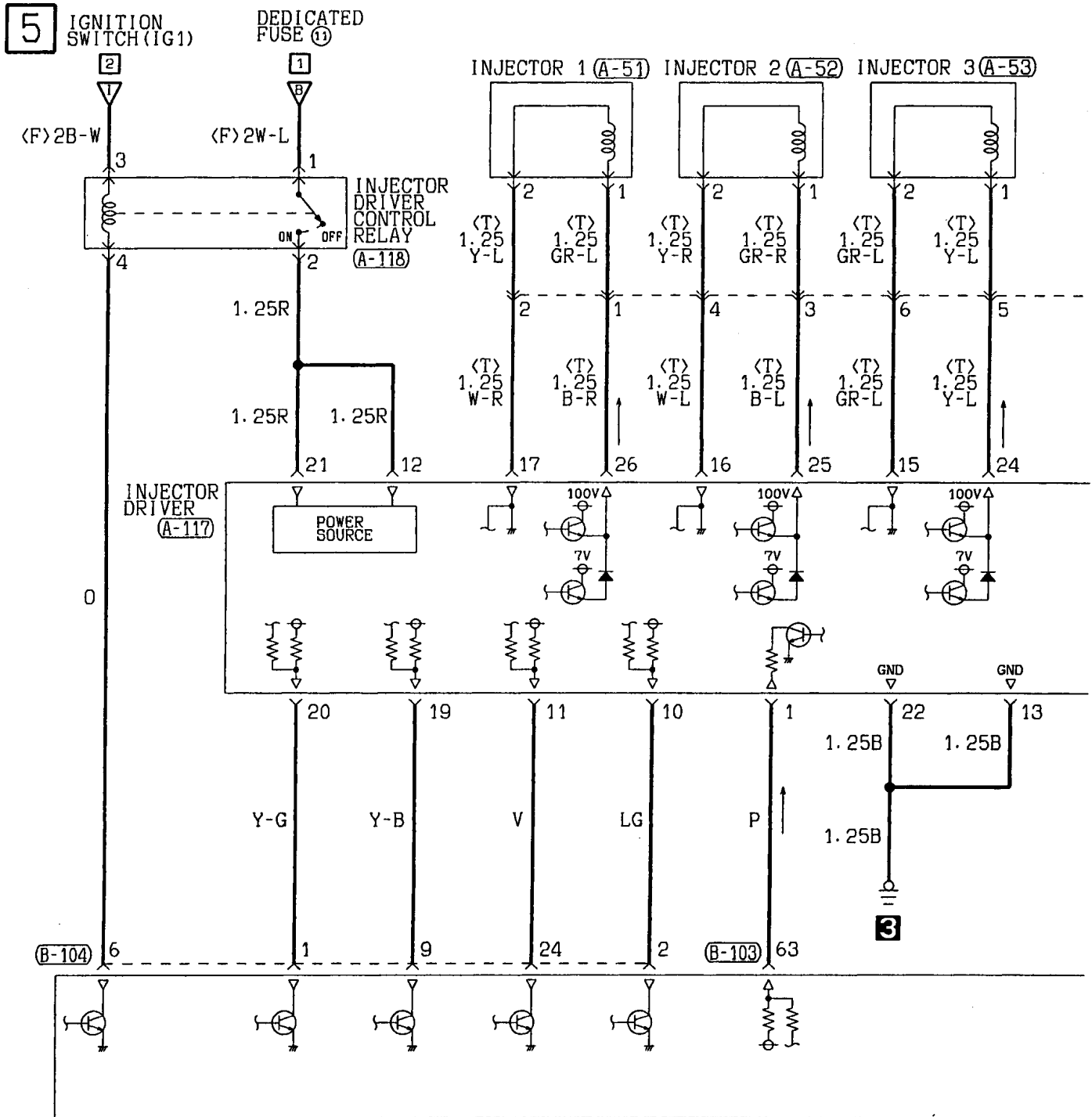


(B-127)



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

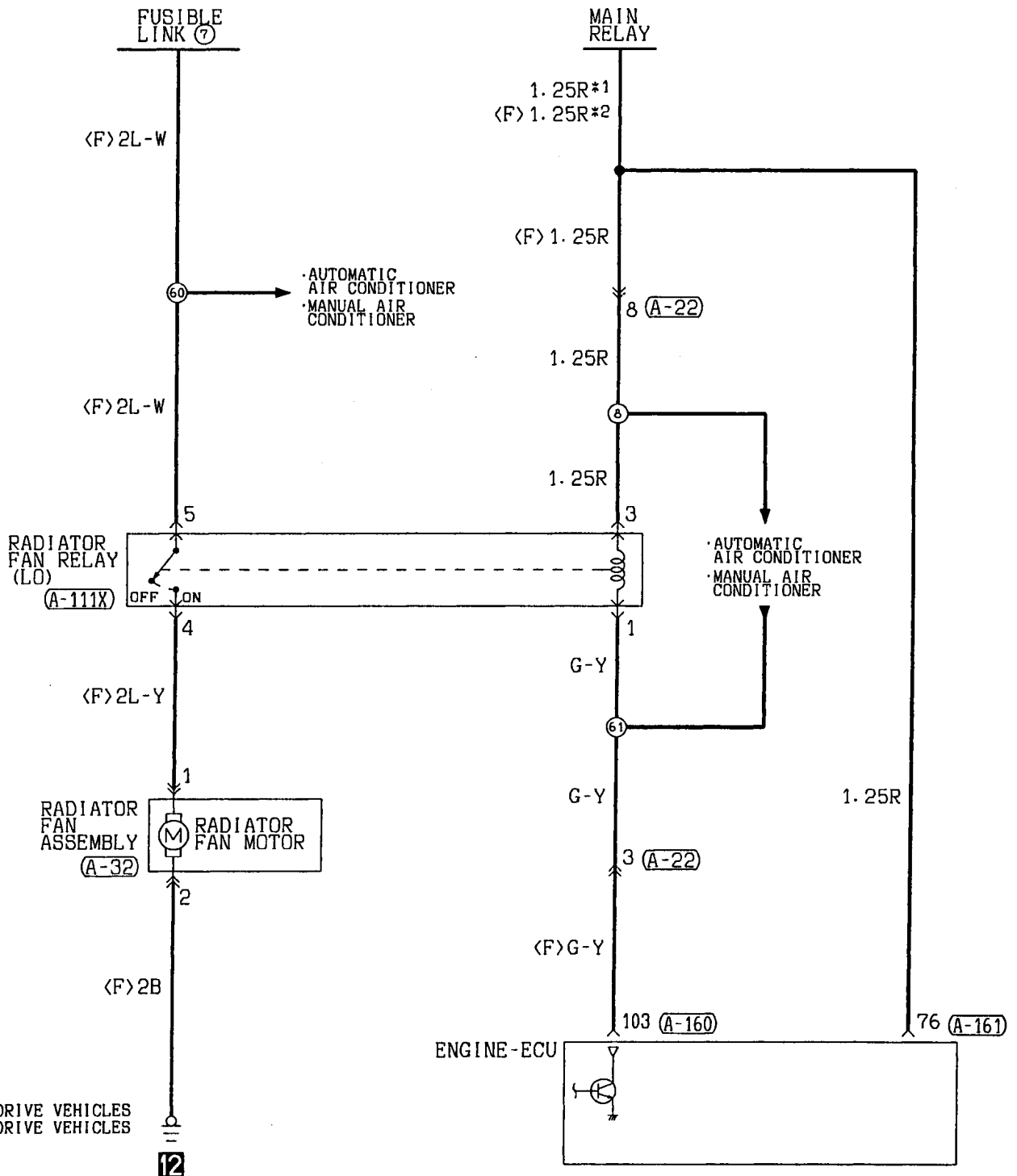
GDI SYSTEM <A/T> (CONTINUED)



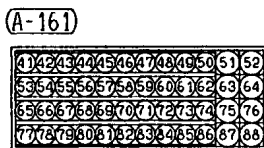
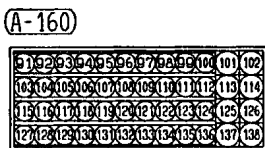
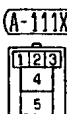
COOLING SYSTEM

Diesel-powered vehicles <F9Q>

1



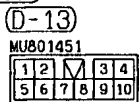
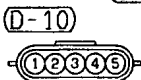
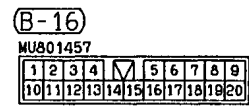
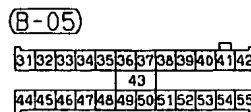
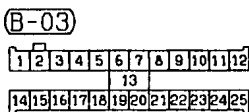
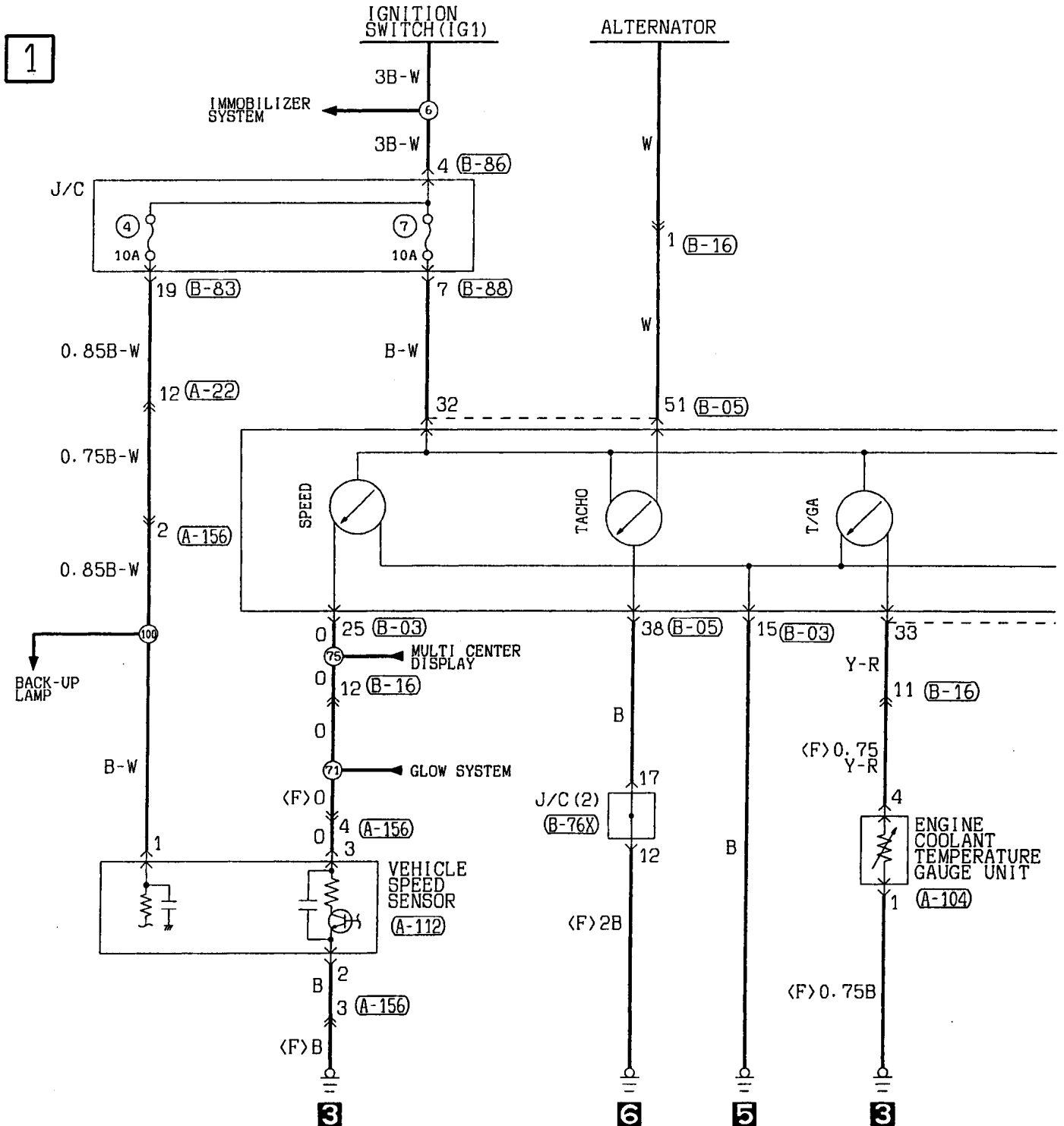
NOTE
 *1: L. H. DRIVE VEHICLES
 *2: R. H. DRIVE VEHICLES



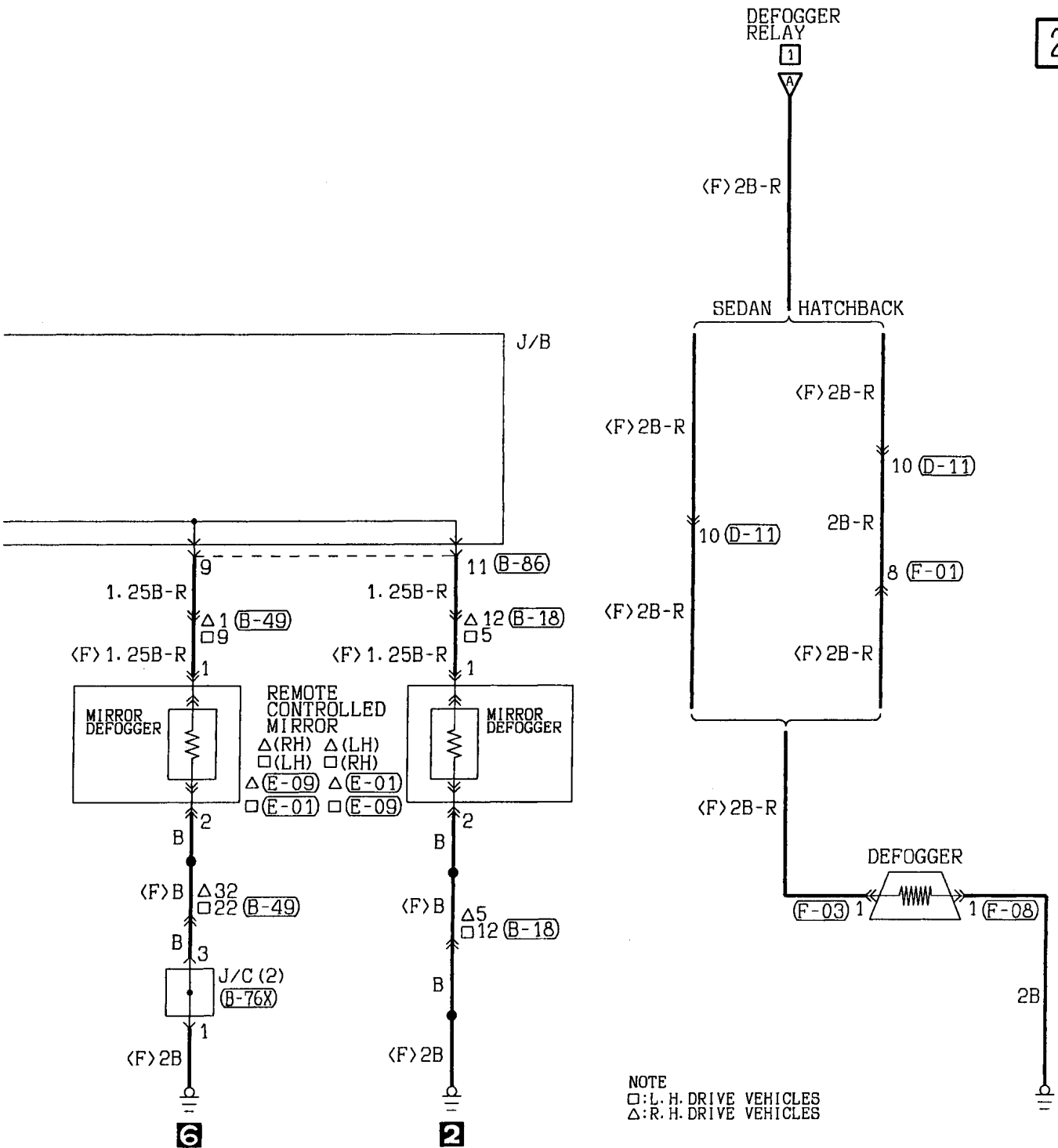
Wire colour code
 B : Black LG: Light green G : Green L : Blue W : White Y : Yellow SB: Sky blue
 BR: Brown O : Orange GR: Gray R : Red P : Pink V : Violet

METER AND GAUGE

Diesel-powered vehicles <F9Q>



2



(B-76X)

(B-81)

(B-83)

(B-84)

(B-85)

(B-86)

(B-88)

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

1	2	3
4	5	

MU801457

1	2	3	4	5	6	7	8	9		
10	11	12	13	14	15	16	17	18	19	20

1	2
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1	2	3
---	---	---

1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

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

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