

ELECTRICAL SYSTEM

SECTION **EL**

When you read wiring diagrams:

- Read GI section, "HOW TO READ WIRING DIAGRAMS".

CONTENTS

PRECAUTIONS	3	Wiring Diagram (Daytime light system for	
Supplemental Restraint System "AIR BAG".....	3	Canada)	28
HARNESS CONNECTOR	4	Bulb Replacement.....	29
Description	4	Aiming Adjustment.....	29
STANDARDIZED RELAY	5	EXTERIOR LAMP	31
Description	5	Clearance, License, Tail and Stop	
POWER SUPPLY ROUTING	8	Lamps/Wiring Diagram	31
Wiring Diagram	8	Back-up Lamp/Wiring Diagram	32
Fuse	10	Front Fog Lamp/Wiring Diagram	33
Fusible Link	10	Turn Signal and Hazard Warning	
BATTERY	11	Lamps/Wiring Diagram	34
How to Handle Battery.....	11	Combination Flasher Unit Check	35
Service Data and Specifications (SDS).....	14	Bulb Specifications	35
STARTING SYSTEM	15	INTERIOR LAMP	36
Wiring Diagram	15	Illumination/Wiring Diagram	36
Construction	16	Interior and Trunk Room Lamps/Wiring	
Removal and Installation.....	20	Diagram	37
Service Data and Specifications (SDS).....	20	METER AND GAUGES	38
CHARGING SYSTEM	21	Combination Meter	38
Wiring Diagram	21	Speedometer, Tachometer, Temp., and Fuel	
Construction	22	Gauges/Wiring Diagram	40
CHARGING SYSTEM/COMBINATION SWITCH	24	Inspection/Fuel Gauge and Water	
Service Data and Specifications (SDS).....	24	Temperature Gauge.....	41
Replacement	24	Fuel Tank Gauge Unit Check	42
COMBINATION SWITCH	25	Fuel Warning Lamp Sensor Check	42
Check.....	25	Thermal Transmitter Check.....	42
HEADLAMP	26	Oil Pressure Switch Check.....	42
Wiring Diagram (For U.S.A.).....	26	WARNING LAMPS AND BUZZER	43
Operation (Daytime light system for Canada).....	27	Warning Lamp/Schematic.....	43
Schematic (Daytime light system for Canada).....	27	Warning Lamp/Wiring Diagram.....	44
		Diode Check	46

CONTENTS (Cont'd.)

Warning Buzzer Check	46	Window Antenna Repair	69
TIME CONTROL SYSTEM	47	AUTOMATIC SPEED CONTROL DEVICE (ASCD)	70
Description	47	Wiring Diagram	70
Wiring Diagram	48	Component Parts and Harness Connector	
Trouble Diagnoses	51	Location	72
WIPER AND WASHER	59	Trouble Diagnoses	73
Front Wiper and Washer/Wiring Diagram	59	LOCATION OF ELECTRICAL UNITS	86
Rear Wiper and Washer/Wiring Diagram	60	Engine Compartment	86
Installation	61	Passenger Compartment	87
Washer Nozzle Adjustment	62	HARNESS LAYOUT	88
Check Valve	62	Outline	88
Washer Tube Layout	62	Engine Room Harness	89
Wiper Amplifier Check	62	Main Harness	92
HORN, CIGARETTE LIGHTER AND CLOCK	63	Body Harness	95
Wiring Diagram	63	Tail Harness	98
REAR WINDOW DEFOGGER	64	Room Lamp Harness	98
Wiring Diagram	64	Air Bag Harness	99
Filament Check	65	Engine Control Harness	100
Filament Repair	66	Alternator Harness & Engine No. 2 Harness	102
AUDIO AND ANTENNA	67	Door Harness (2-door Sedan)	104
Audio/Wiring Diagram	67	Door Harness (4-door Sedan)	105
Location of Antenna	68	SUPER MULTIPLE JUNCTION (SMJ)	Foldout page
Radio Fuse Check	68		

WIRING DIAGRAM REFERENCE CHART

ECCS	EF & EC SECTION
OD CONTROL SYSTEM, SHIFT LOCK SYSTEM	AT SECTION
ANTI-LOCK BRAKE SYSTEM	BR SECTION
POWER WINDOW AND POWER DOOR LOCK, AUTOMATIC SEAT BELT SYSTEM, SUN ROOF, DOOR MIRROR, SRS "AIR BAG"	BF SECTION
HEATER AND AIR CONDITIONER	HA SECTION

Supplemental Restraint System “AIR BAG”

The Supplemental Restraint System “Air Bag” helps to reduce the risk or severity of injury to the driver in a frontal collision. The Supplemental Restraint System consists of an air bag (located in the center of the steering wheel), sensors, a control unit, warning lamp, wiring harness and spiral cable. Information necessary to service the system safely is included in the **BF section** of this Service Manual.

WARNING:

- a. To avoid rendering the SRS inoperative, which could lead to personal injury or death in the event of a severe frontal collision, all maintenance must be performed by an authorized NISSAN dealer.
- b. Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system.
- c. All SRS electrical wiring harnesses and connectors are covered with yellow outer insulation. Do not use electrical test equipment on any circuit related to the SRS “Air Bag”.

GI

WA

EM

LC

EF &

EC

FE

CI.

MT

AT

FA

BA

BR

ST

BF

HA

EL

IDX

HARNESS CONNECTOR

Description

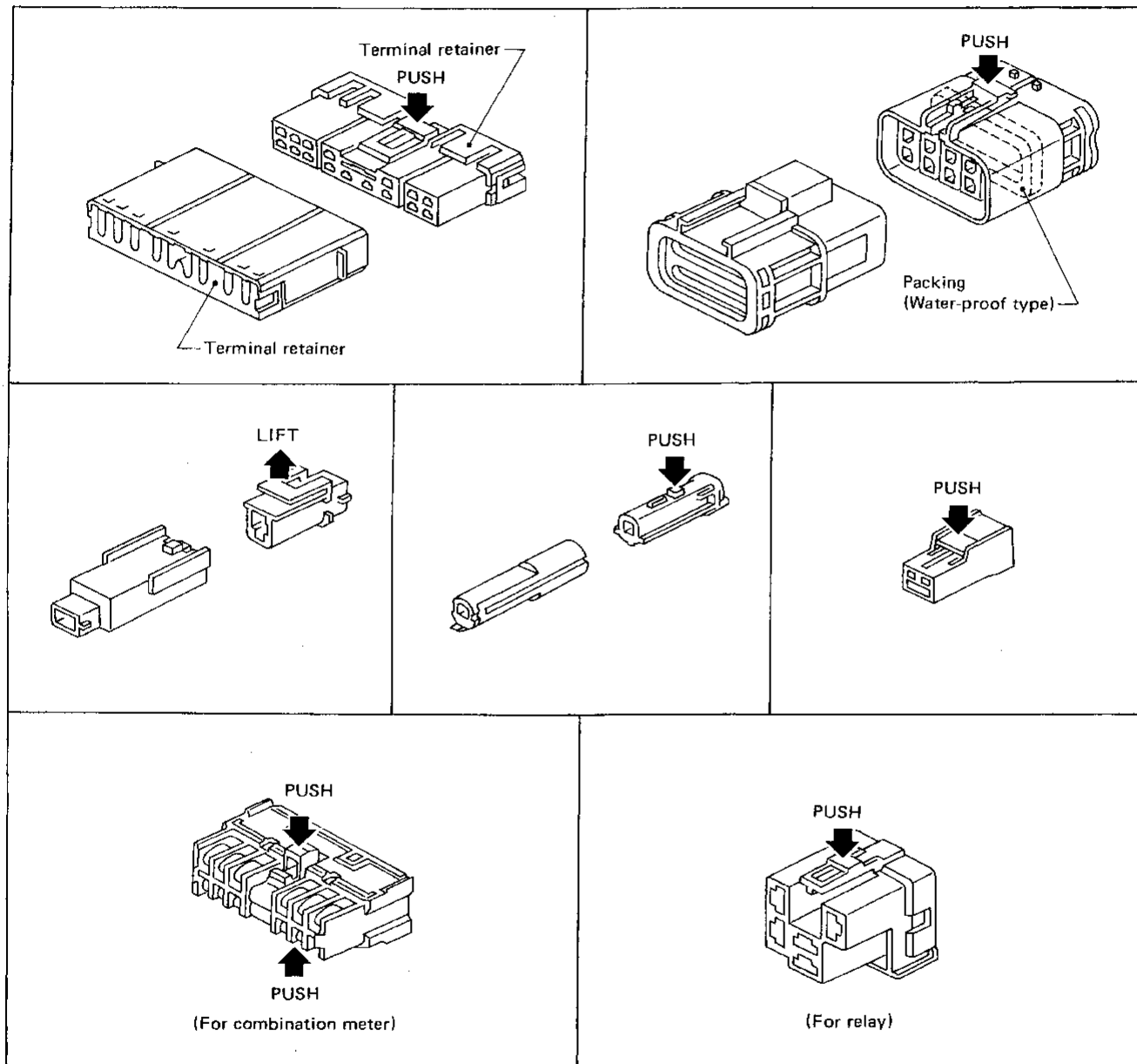
HARNESS CONNECTOR

- All harness connectors have been modified to prevent accidental looseness or disconnection.
- The connector can be disconnected by pushing or lifting the locking section.

CAUTION:

Do not pull the harness when disconnecting the connector.

[Example]



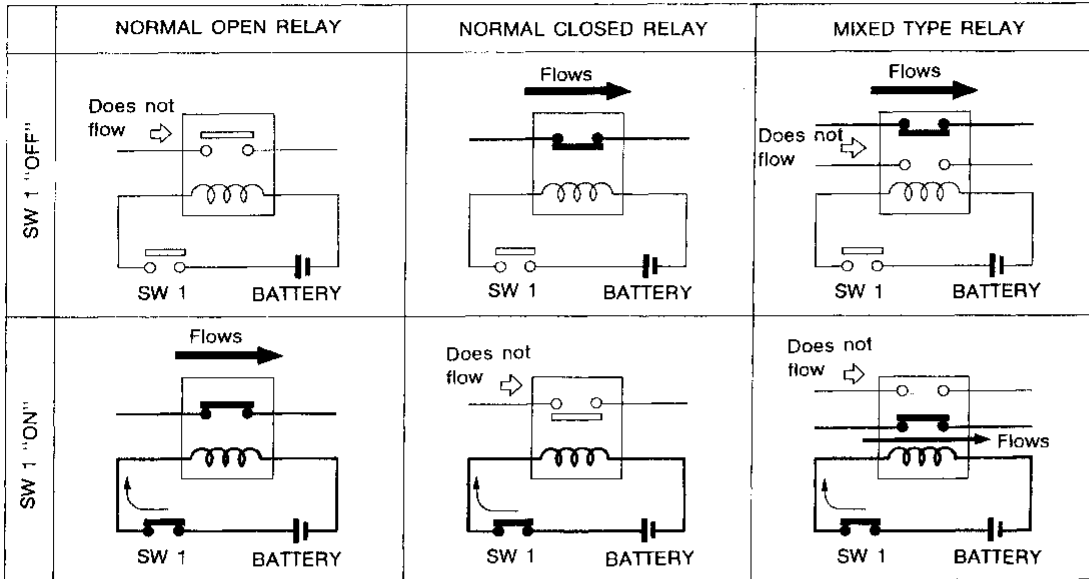
SEL769D

STANDARDIZED RELAY

Description

NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

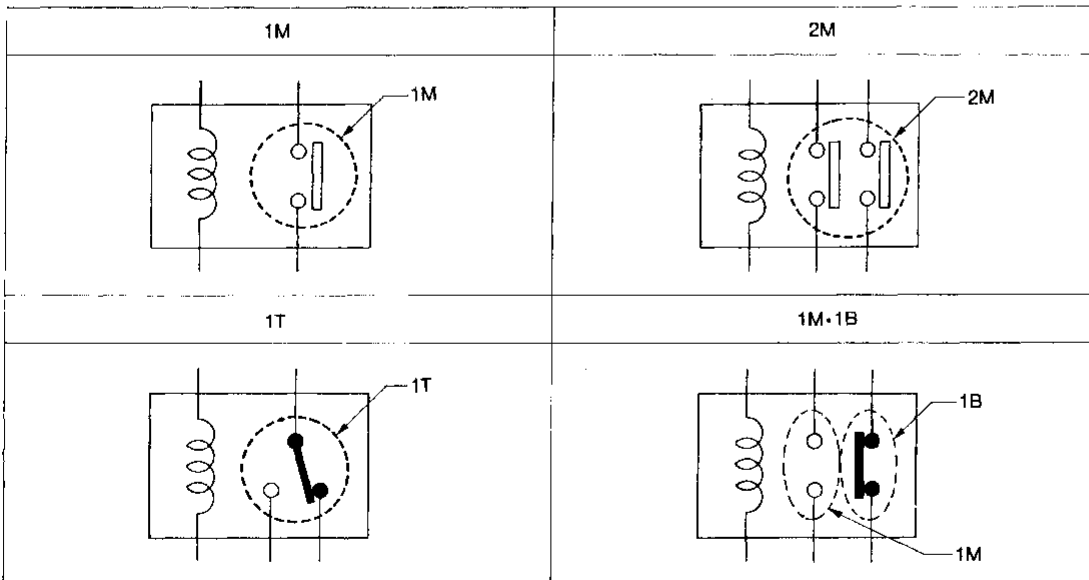
Relays can mainly be divided into three types: normal open, normal closed and mixed type relays.



SEL881H

TYPE OF STANDARDIZED RELAYS

1M 1 Make 2M 2 Make
 1T 1 Transfer 1M·1B 1 Make 1 Break



SEL882H

STANDARDIZED RELAY

Description (Cont'd)

Type	Outer view	Circuit	Connector symbol and connection	Case color
1T				BLACK
1M				BLUE or GREEN
2M				BROWN
1M-1B				GRAY

STANDARDIZED RELAY

NOTE

GI

MA

EM

LC

EF &
EC

FE

CL

MT

AT

FA

RA

BR

ST

BF

HA

EL

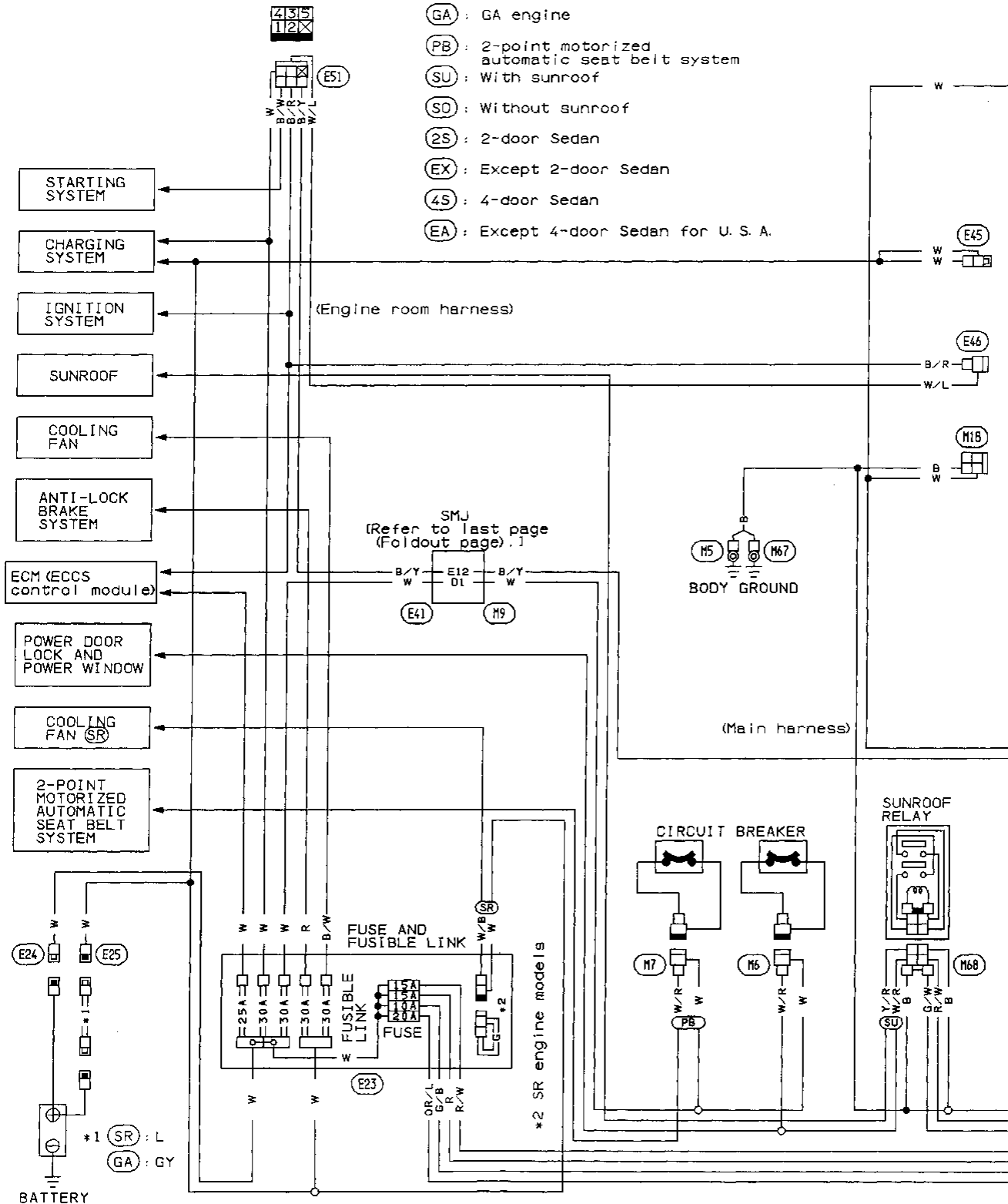
IDX

POWER SUPPLY ROUTING

Wiring Diagram

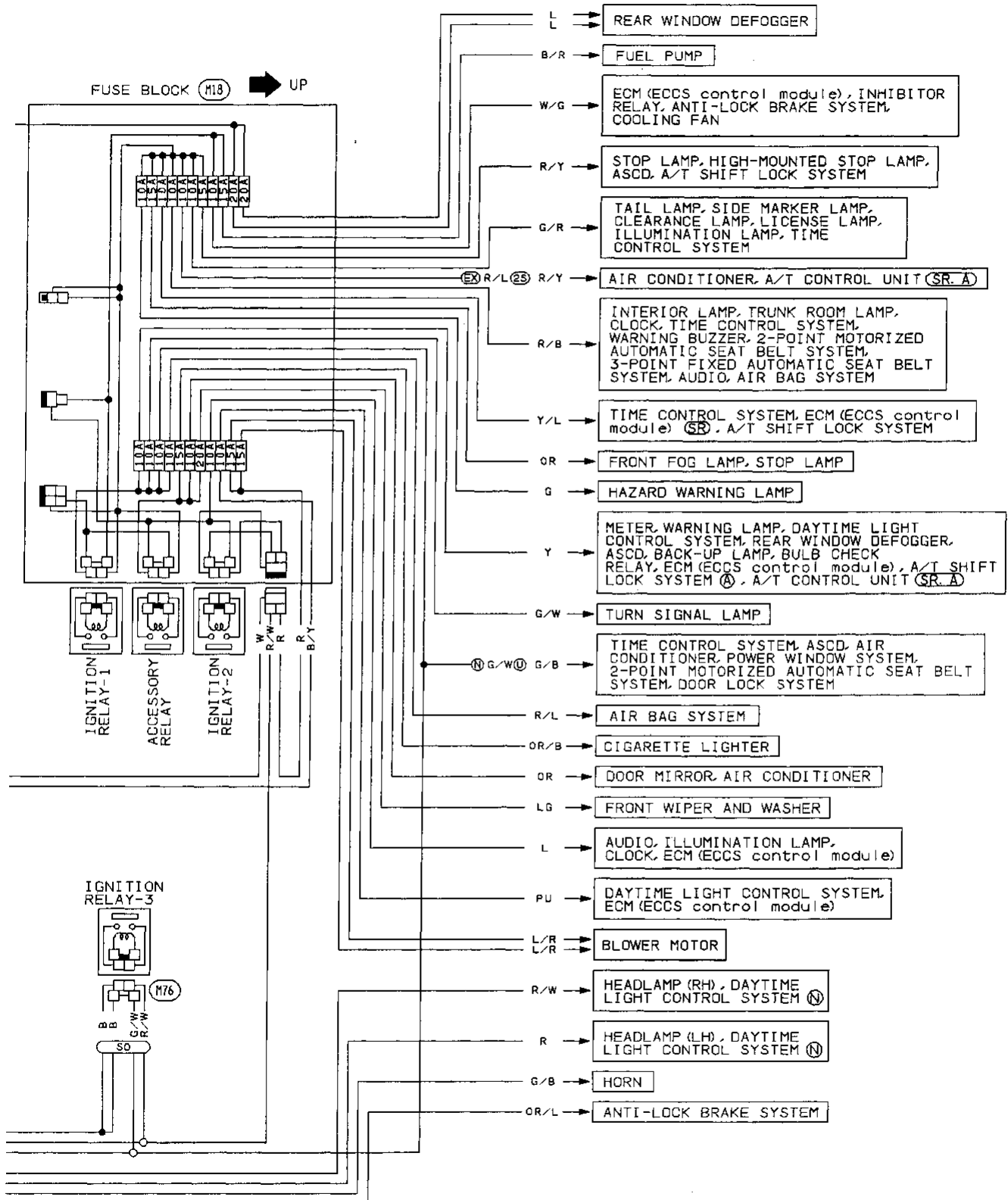
IGNITION SWITCH				
	OFF	ACC	ON	ST
1		○	○	○
2		○	○	○
3			○	○
4				○
5				○

- (A) : A/T models
- (U) : For U. S. A.
- (N) : For Canada
- (SR) : SR engine
- (GA) : GA engine
- (PB) : 2-point motorized automatic seat belt system
- (SU) : With sunroof
- (SO) : Without sunroof
- (2S) : 2-door Sedan
- (EX) : Except 2-door Sedan
- (4S) : 4-door Sedan
- (EA) : Except 4-door Sedan for U. S. A.



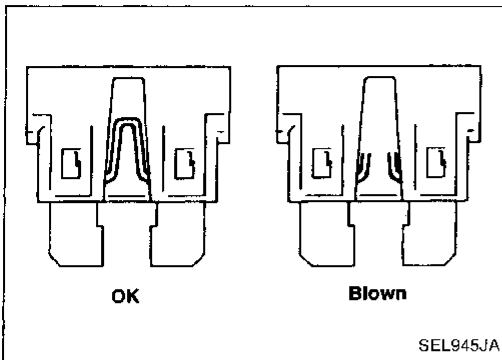
POWER SUPPLY ROUTING

Wiring Diagram (Cont'd)



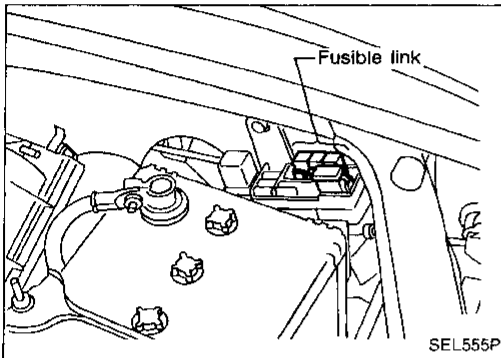
GI
MA
EM
LC
EF &
EC
FE
CL
MT
AT
FA
RA
BR
ST
BF
HA
EL
IDX

POWER SUPPLY ROUTING



Fuse

- If fuse is blown, be sure to eliminate cause of problem before installing new fuse.
- Use fuse of specified rating. Never use fuse of more than specified rating.
- Do not partially install fuse; always insert it into fuse holder properly.
- Remove fuse for clock if vehicle is not used for a long period of time.



Fusible Link

A melted fusible link can be detected by visual inspection. If its condition is questionable, use circuit tester or test lamp.

CAUTION:

- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of problem.
- Never wrap outside of fusible link with vinyl tape. Extreme care should be taken with this link to ensure that it does not come into contact with any other wiring harness or vinyl or rubber parts.

BATTERY

CAUTION:

- If it becomes necessary to start the engine with a booster battery and jumper cables, use a 12-volt booster battery.
- After connecting battery cables, ensure that they are tightly clamped to battery terminals for good contact.
- Never add distilled water through the hole used to check specific gravity.

GI

MA

EW

LC

EF &
EC

FE

CL

MT

AT

FA

RA

BR

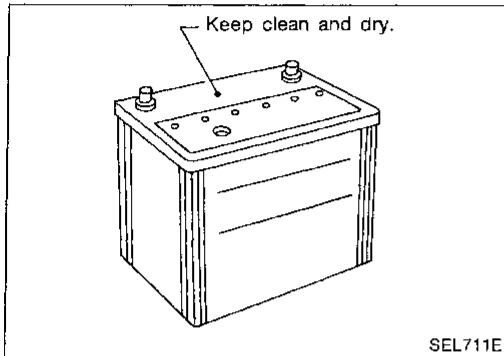
ST

BF

HA

EL

IDX

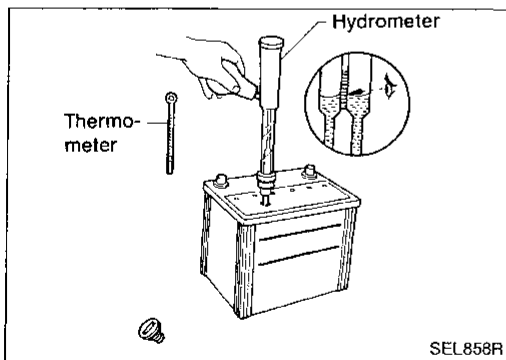
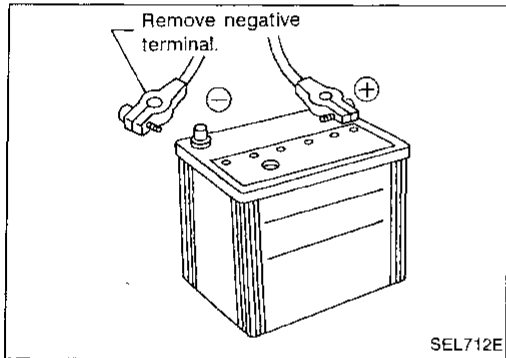


How to Handle Battery

METHODS OF PREVENTING OVER-DISCHARGE

The following precautions must be taken to prevent over-discharging a battery.

- The battery surface (particularly its top) should always be kept clean and dry.
 - The terminal connections should be clean and tight.
 - At every routine maintenance, check the electrolyte level.
-
- When the vehicle is not going to be used over a long period of time, disconnect the negative battery terminal. (If the vehicle has an extended storage switch, turn it off.)



- Check the charge condition of the battery. Periodically check the specific gravity of the electrolyte. Keep a close check on charge condition to prevent over-discharge.

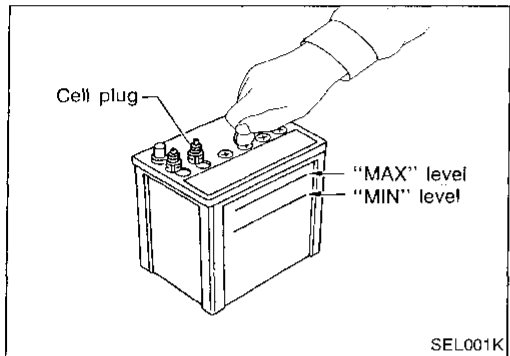
BATTERY

How to Handle Battery (Cont'd)

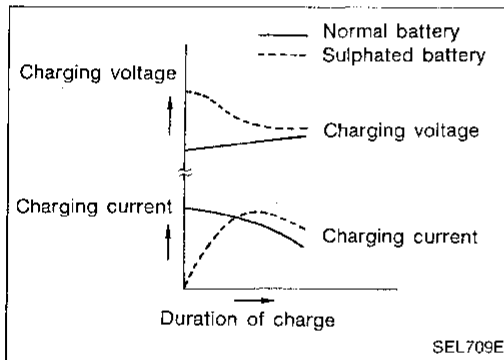
CHECKING ELECTROLYTE LEVEL

WARNING:

Do not allow battery fluid to come in contact with skin, eyes, fabrics, or painted surfaces. After touching a battery, do not touch or rub your eyes until you have thoroughly washed your hands. If the acid contacts the eyes, skin or clothing, immediately flush with water for 15 minutes and seek medical attention.



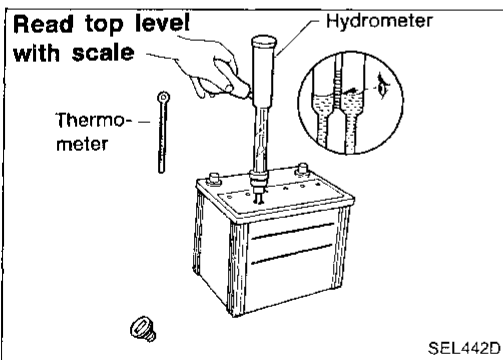
- Remove the cell plug using a suitable tool.
- Add distilled water up to the MAX level.



SULPHATION

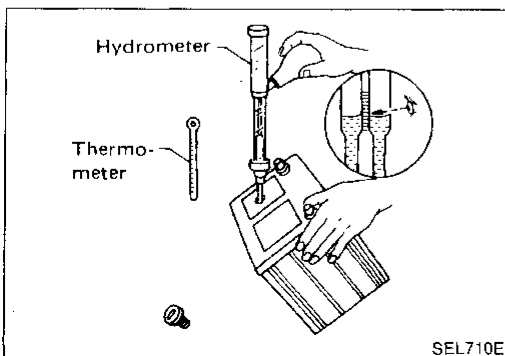
When a battery has been left unattended for a long period of time and has a specific gravity of less than 1.100, it will be completely discharged, resulting in sulphation on the cell plates.

Compared with a battery discharged under normal conditions, the current flow in a "sulphated" battery is not as smooth although its voltage is high during the initial stage of charging, as shown in the figure at the left.



SPECIFIC GRAVITY CHECK

Read hydrometer and thermometer indications at eye level.



- When electrolyte level is too low, tilt battery case to raise it for easy measurement.

BATTERY

How to Handle Battery (Cont'd)

- Use the chart below to correct your hydrometer reading according to electrolyte temperature.

Hydrometer temperature correction

Battery electrolyte temperature °C (°F)	Add to specific gravity reading	
71 (160)	0.032	GI
66 (150)	0.028	
60 (140)	0.024	NA
54 (129)	0.020	
49 (120)	0.016	EW
43 (110)	0.012	
38 (100)	0.008	
32 (90)	0.004	LC
27 (80)	0	
21 (70)	-0.004	
16 (60)	-0.008	EF & EC
10 (50)	-0.012	
4 (39)	-0.016	
-1 (30)	-0.020	FE
-7 (20)	-0.024	
-12 (10)	-0.028	
-18 (0)	-0.032	CL

Corrected specific gravity	Approximate charge condition	
1.260 - 1.280	Fully charged	MT
1.230 - 1.250	3/4 charged	
1.200 - 1.220	1/2 charged	AT
1.170 - 1.190	1/4 charged	
1.140 - 1.160	Almost discharged	FA
1.110 - 1.130	Completely discharged	

CHARGING THE BATTERY

CAUTION:

- Do not "quick charge" a fully discharged battery.
- Keep the battery away from open flame while it is being charged.
- When connecting the charger, connect the leads first, then turn on the charger. Do not turn on the charger first, as this may cause a spark.
- If battery electrolyte temperature rises above 60°C (140°F), stop charging. Always charge battery at a temperature below 60°C (140°F).

Charging rates:

Amps	Time
50	1 hour
25	2 hours
10	5 hours
5	10 hours

EL

IDX

BATTERY

How to Handle Battery (Cont'd)

Do not charge at more than 50 ampere rate.

Note: The ammeter reading on your battery charger will automatically decrease as the battery charges. This indicates that the voltage of the battery is increasing normally as the state of charge improves. The charging amps indicated above refer to initial charge rate.

- If, after charging, the specific gravity of any two cells varies more than .050, the battery should be replaced.

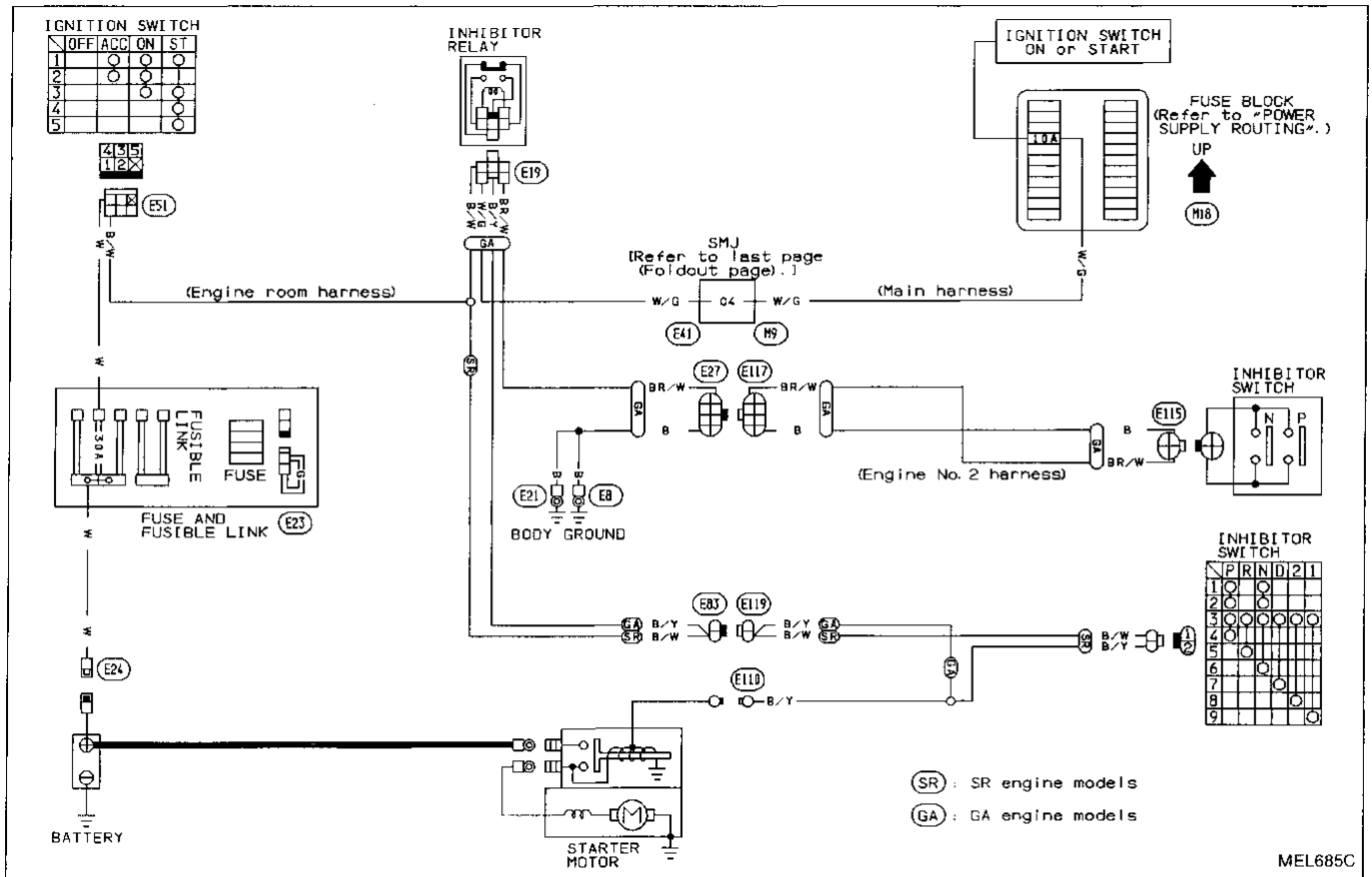
Service Data and Specifications (SDS)

Destination	U.S.A.		Canada	
Applied model	Standard	Option for SR20DE	SR20DE	GA16DE
Type	55D23L	80D26L		65D26L
Capacity	V-AH	12-60	12-65	12-65

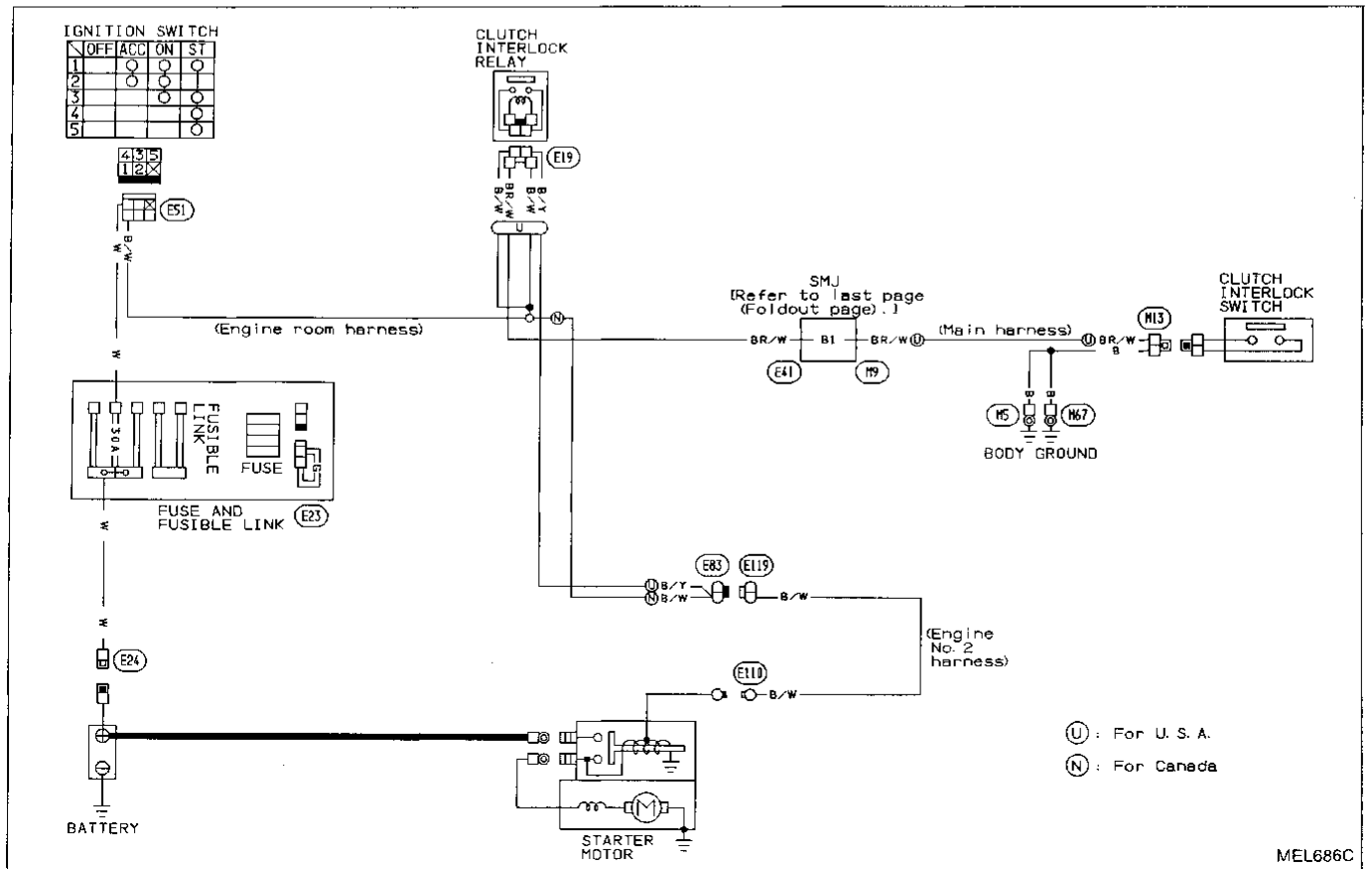
STARTING SYSTEM

A/T models

Wiring Diagram



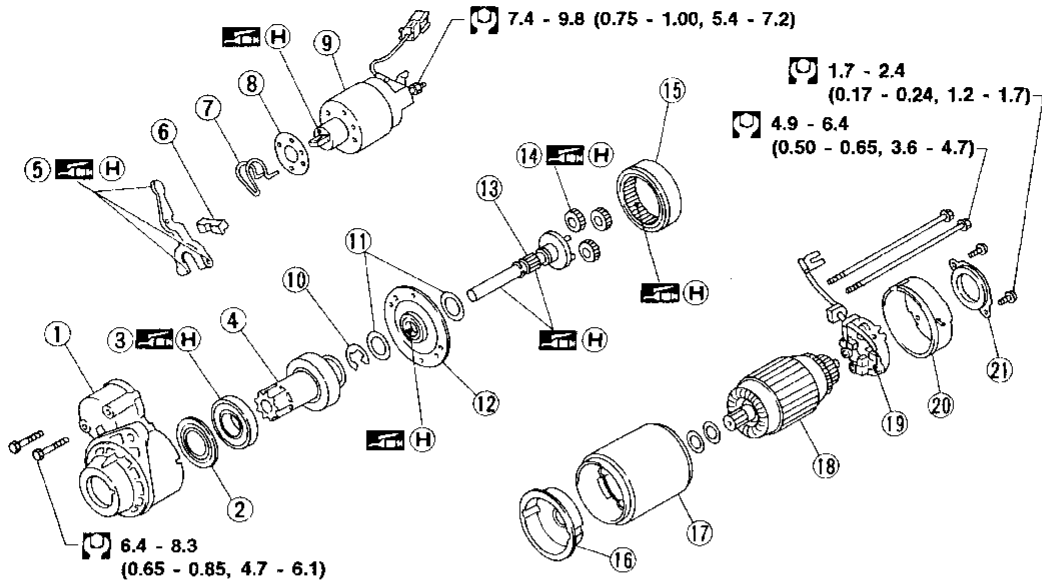
M/T models



STARTING SYSTEM

Construction

S114-701B



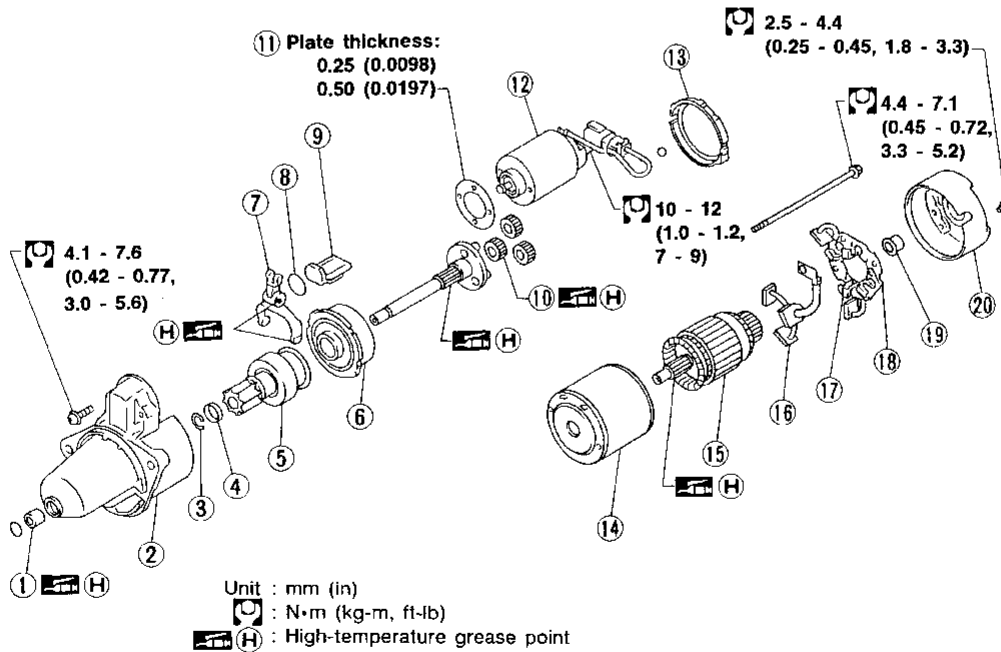
: N·m (kg-m, ft-lb)

(H) : High-temperature grease point

SEL556Q

- | | | |
|-------------------|----------------------------|-------------------------|
| ① Gear case | ⑧ Adjusting plate | ⑮ Internal gear |
| ② Bearing cover | ⑨ Magnetic switch assembly | ⑯ Center bracket |
| ③ Ball bearing | ⑩ E-ring | ⑰ Yoke assembly |
| ④ Pinion assembly | ⑪ Thrust washer | ⑱ Armature |
| ⑤ Shift lever | ⑫ Center bracket | ⑲ Brush holder assembly |
| ⑥ Dust cover | ⑬ Pinion shaft | ⑳ Rear cover |
| ⑦ Torsion spring | ⑭ Planetary gear | ㉑ Dust cover |

M1T72985A



Unit : mm (in)

: N·m (kg-m, ft-lb)

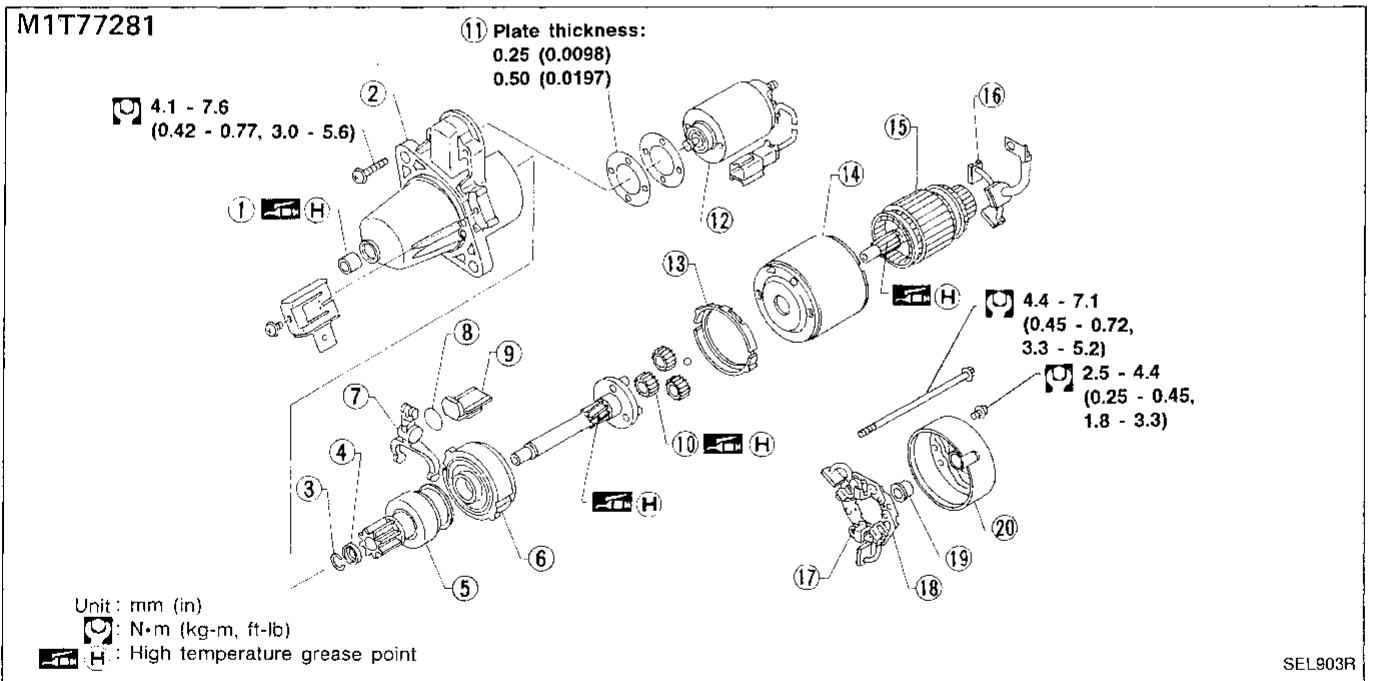
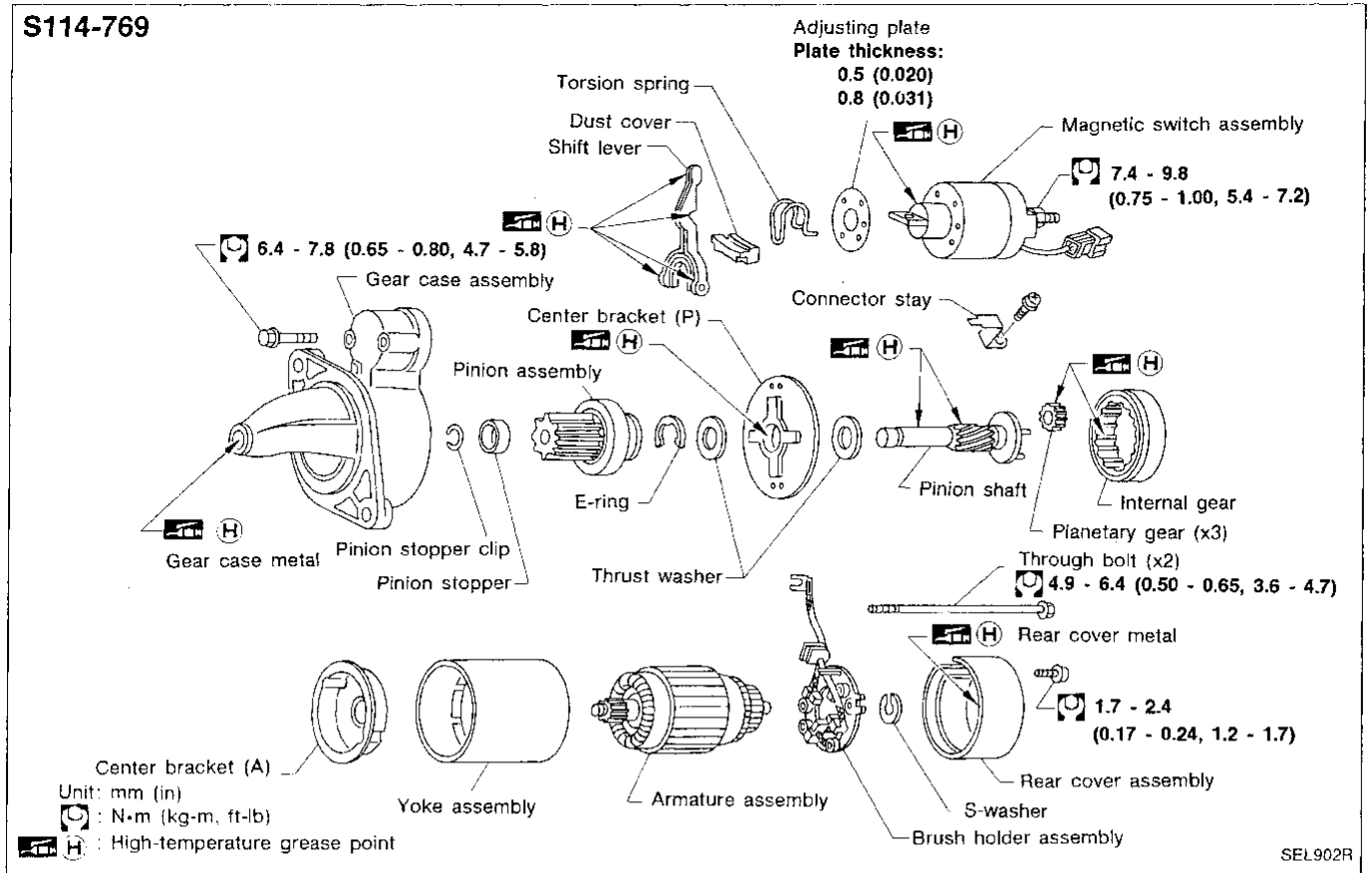
(H) : High-temperature grease point

SEL663Q

- | | | | |
|-------------------|-------------------|----------------------------|----------------|
| ① Sleeve bearing | ⑦ Shift lever | ⑫ Magnetic switch assembly | ⑰ Brush spring |
| ② Gear case | ⑧ Plate | ⑬ Packing | ⑱ Brush holder |
| ③ Stopper clip | ⑨ Packing | ⑭ Yoke | ⑲ Bearing |
| ④ Pinion stopper | ⑩ Planetary gear | ⑮ Armature | ⑳ Rear cover |
| ⑤ Pinion assembly | ⑪ Adjusting plate | ⑯ Bush (+) | |
| ⑥ Internal gear | | | |

STARTING SYSTEM

Construction (Cont'd)



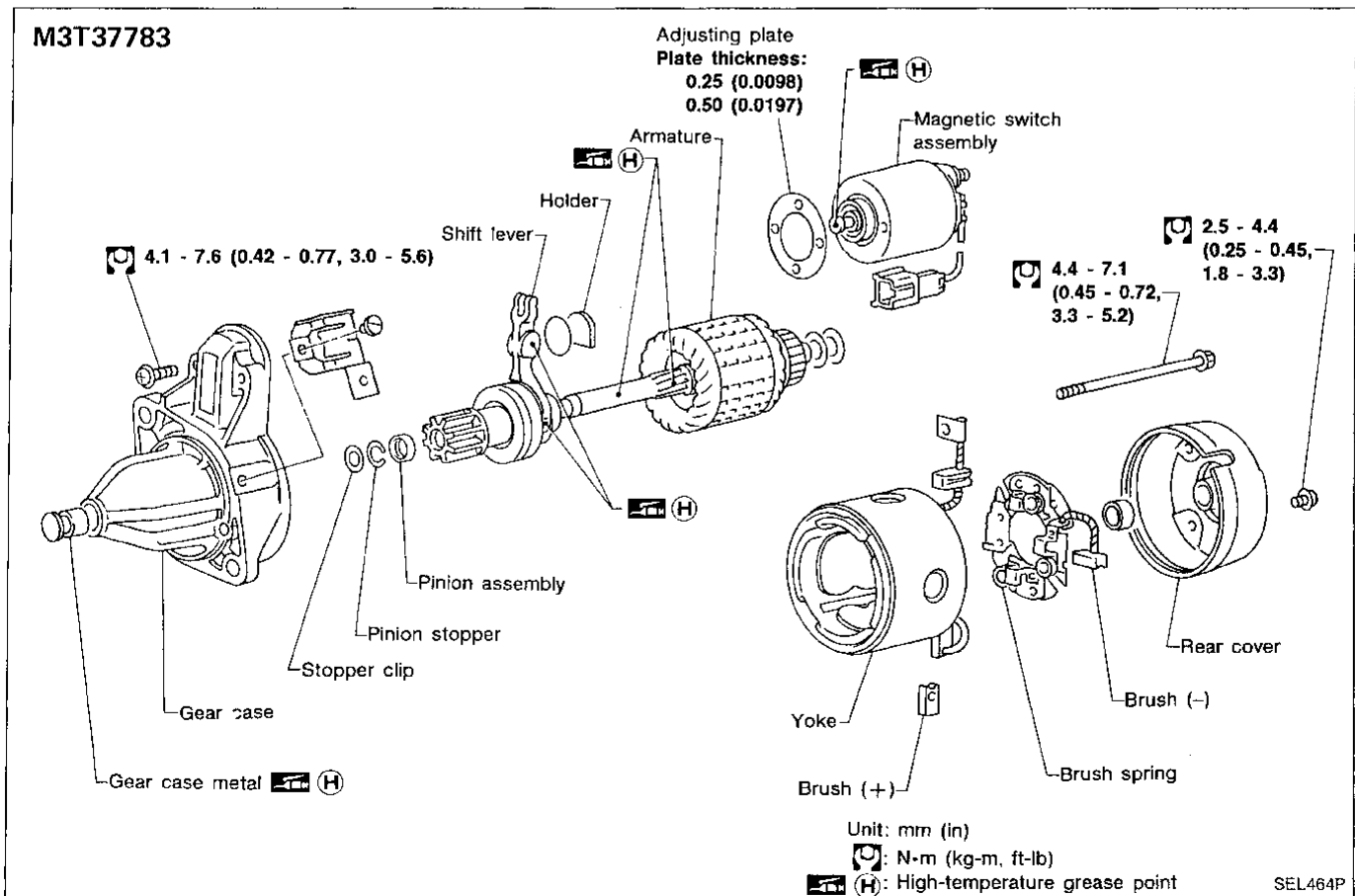
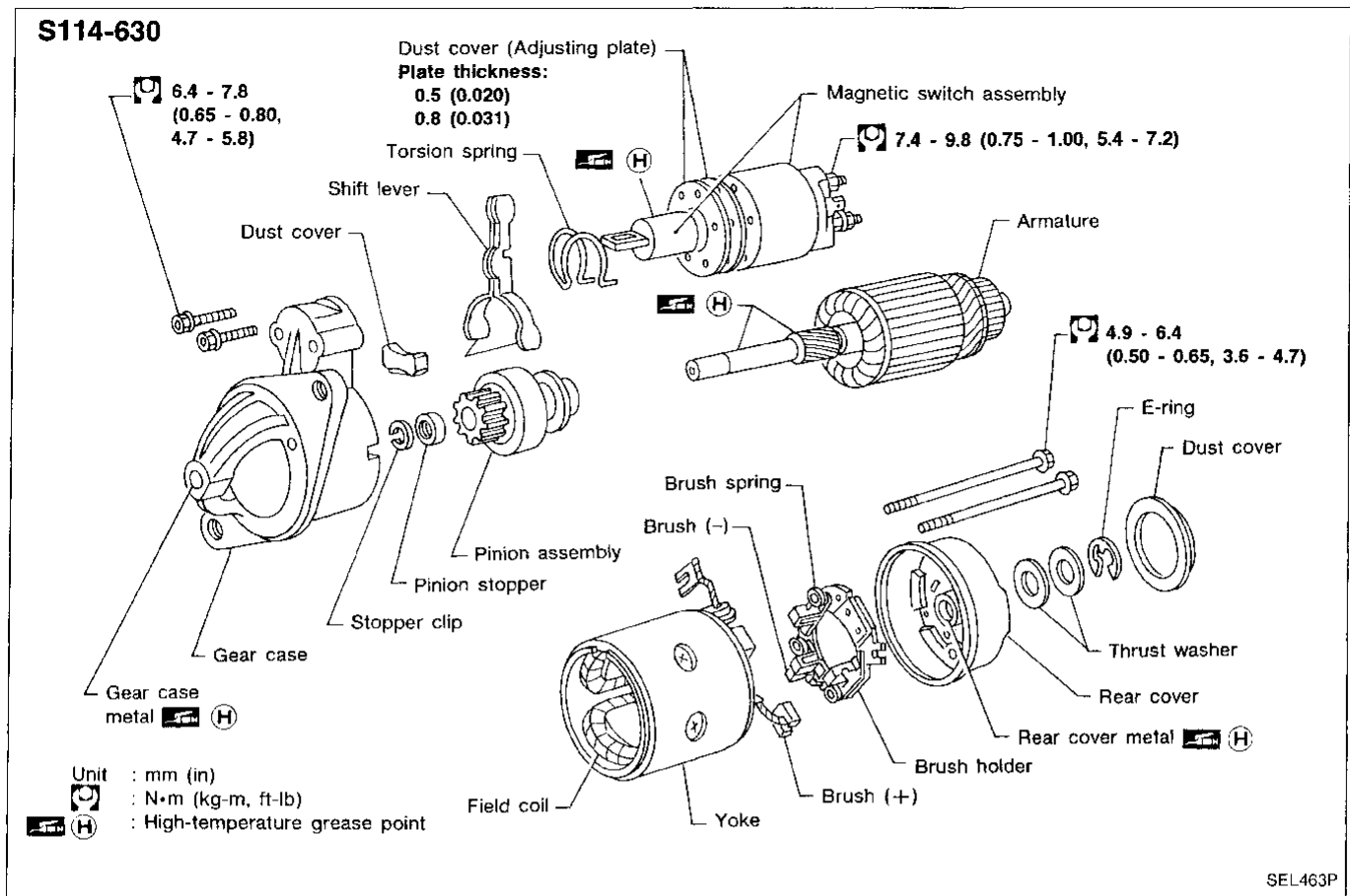
- ① Sleeve bearing
- ② Gear case
- ③ Stopper clip
- ④ Pinion stopper
- ⑤ Pinion assembly
- ⑥ Internal gear
- ⑦ Shift lever

- ⑧ Plate
- ⑨ Packing
- ⑩ Planetary gear
- ⑪ Adjusting plate
- ⑫ Magnetic switch assembly
- ⑬ Packing
- ⑭ Yoke

- ⑮ Armature
- ⑯ Brush (+)
- ⑰ Brush spring
- ⑱ Brush holder
- ⑳ Bearing
- ㉑ Rear cover

STARTING SYSTEM

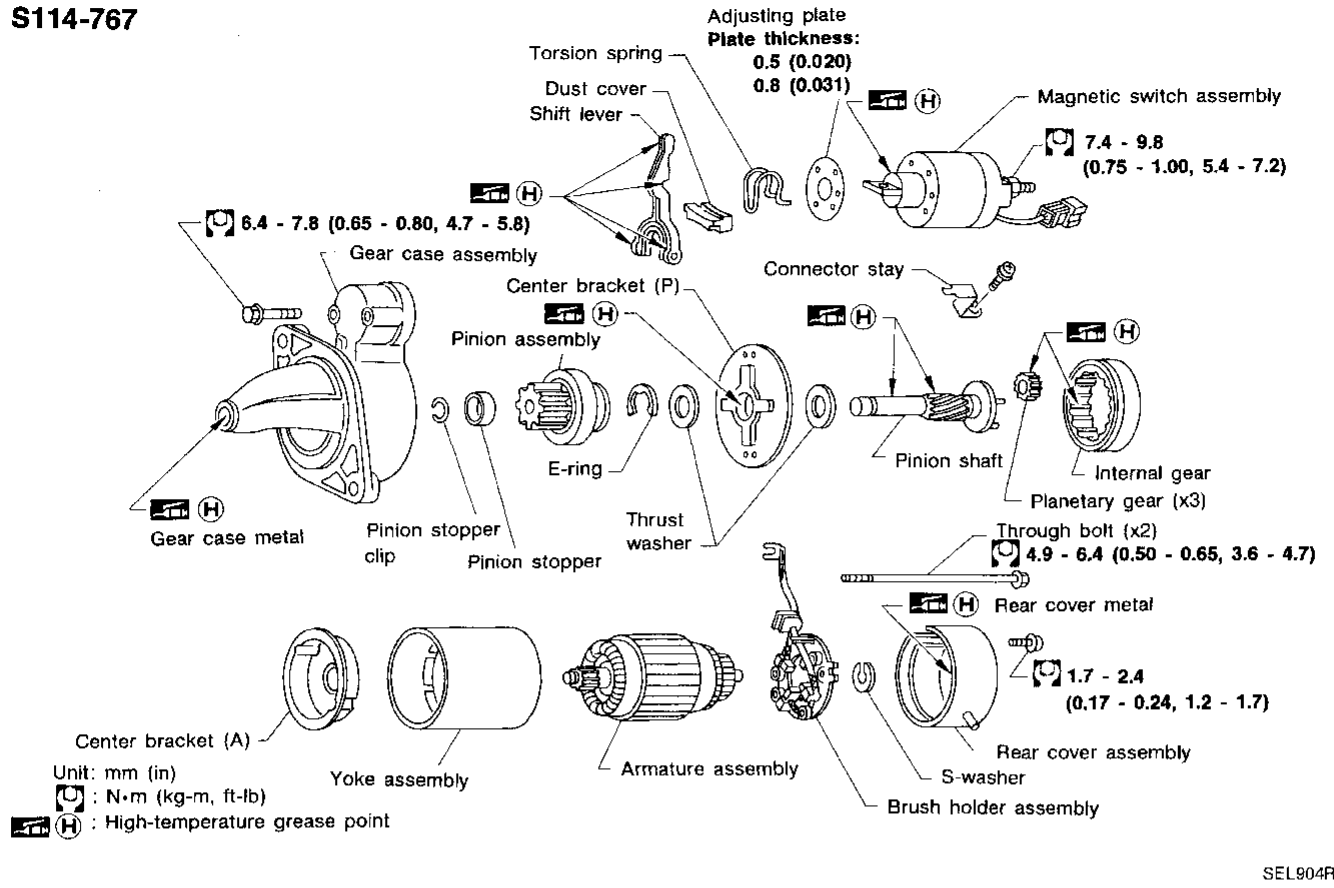
Construction (Cont'd)



STARTING SYSTEM

Construction (Cont'd)

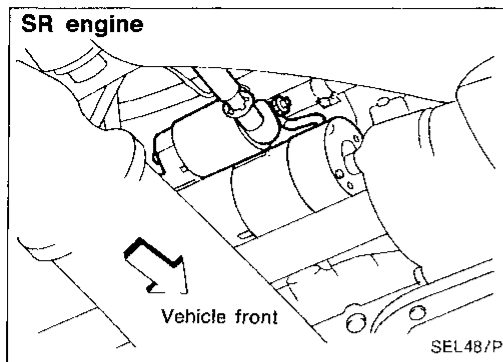
S114-767



SEL904R

GI
MA
EM
LC
EF & EC
FE
CL
MT
AT
FA
RA
BR
ST
BF
HA
EL
IDX

STARTING SYSTEM



Removal and Installation

REMOVAL

1. Remove battery negative cable from battery.
2. Remove intake air duct.
3. Remove starter motor mounting bolts.
4. Remove battery cable from starter motor.
5. Disconnect harness connector from starter motor harness.
6. Remove starter motor:
 - from under vehicle [SR engine].
 - from transaxle side [GA engine (M/T)].
 - from engine side [GA engine (A/T)].

INSTALLATION

- Installation procedure is basically the reverse order of removal.

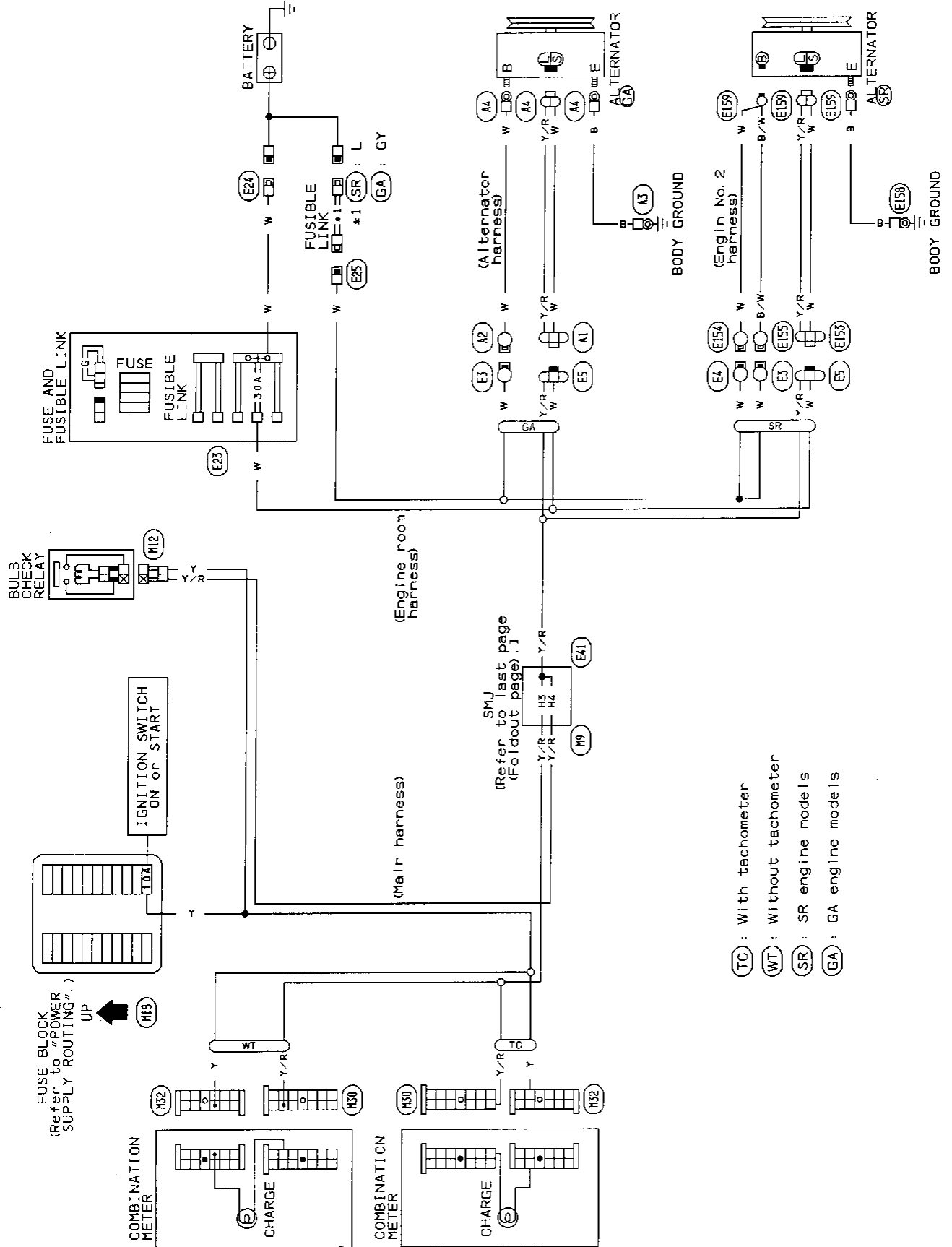
Service Data and Specifications (SDS)

STARTER

Type	S114-701B	M1T72985A	S114-769	M1T77281	S114-630	M3T37783	S114-767
	HITACHI	MITSUBISHI	HITACHI	MITSUBISHI	HITACHI	MITSUBISHI	HITACHI
	Reduction type				Non-reduction type		Reduction type
Applied model	SR20DE		GA16DE M/T except for California		GA16DE M/T for California		GA16DE A/T
System voltage	V 12						
No load							
Terminal voltage	V 11.0				11.5		11.0
Current	A Less than 90	50 - 75	Less than 85	50 - 75	Less than 60		Less than 90
Revolution	rpm More than 2,950	3,000 - 4,000	More than 2,950	3,000 - 4,000	More than 7,000	More than 6,500	More than 2,950
Minimum diameter of commutator	mm (in) 32.0 (1.260)	28.8 (1.134)	28.0 (1.102)	28.8 (1.134)	39.0 (1.535)	31.4 (1.236)	28.0 (1.102)
Minimum length of brush	mm (in) 11.0 (0.433)	12.0 (0.472)	10.5 (0.413)	12.0 (0.472)	11.0 (0.433)	11.5 (0.453)	10.5 (0.413)
Brush spring tension	N (kg, lb) 17.7 - 21.6 (1.8 - 2.2, 4.0 - 4.9)	13.7 - 25.5 (1.4 - 2.6, 3.1 - 5.7)	14.7 - 17.7 (1.5 - 1.8, 3.3 - 4.0)	13.7 - 25.5 (1.4 - 2.6, 3.1 - 5.7)	17.7 - 21.6 (1.8 - 2.2, 4.0 - 4.9)	13.7 - 25.5 (1.4 - 2.6, 3.1 - 5.7)	14.7 - 17.7 (1.5 - 1.8, 3.3 - 4.0)
Clearance between bearing metal and armature shaft	mm (in) 0.03 - 0.3 (0.0012 - 0.0118)	Less than 0.2 (0.008)	—	Less than 0.2 (0.008)	Less than 0.2 (0.008)	—	—
Clearance "f" between pinion front edge and pinion stopper	mm (in) 0.05 - 1.5 (0.0020 - 0.0591)	0.5 - 2.0 (0.020 - 0.079)	0.3 - 2.5 (0.012 - 0.098)	0.5 - 2.0 (0.020 - 0.079)	0.3 - 2.5 (0.012 - 0.098)	0.5 - 2.0 (0.020 - 0.079)	0.3 - 2.5 (0.012 - 0.098)
Movement "f" in height of pinion assembly	mm (in) —	—	—	—	—	—	—

CHARGING SYSTEM

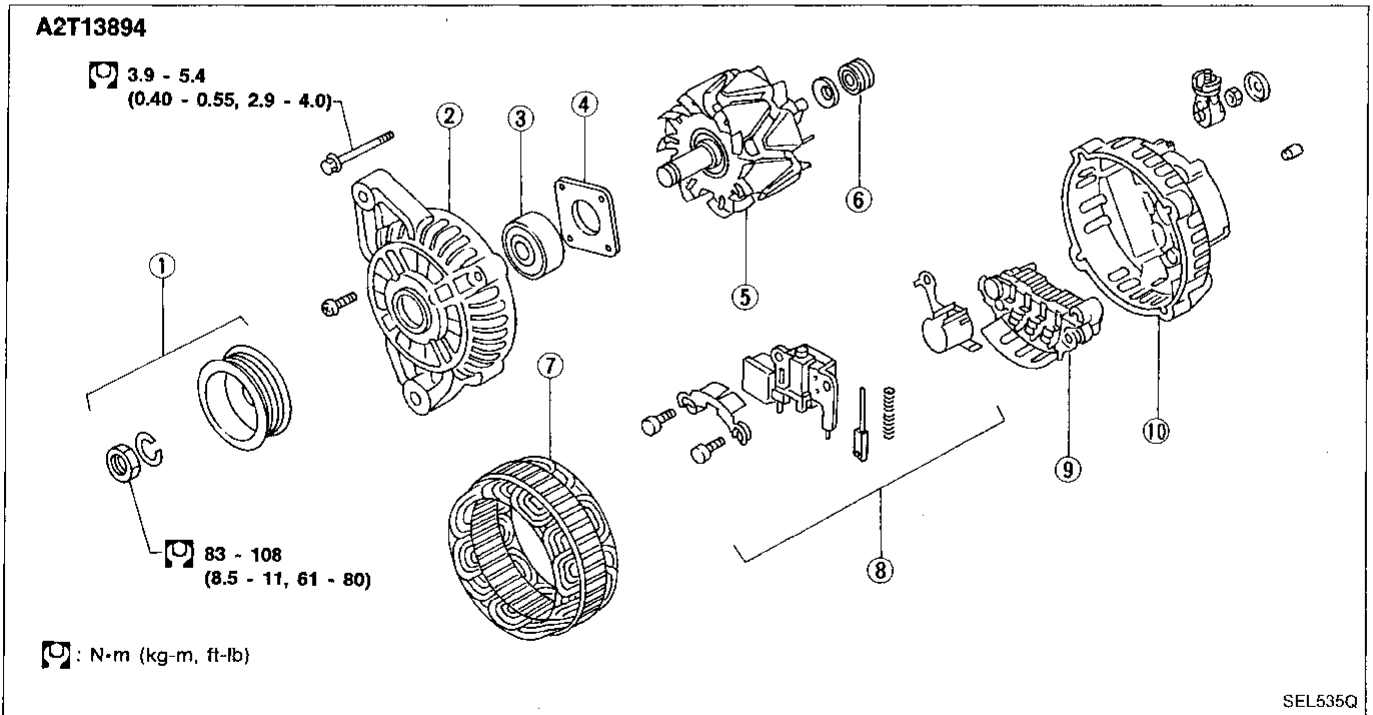
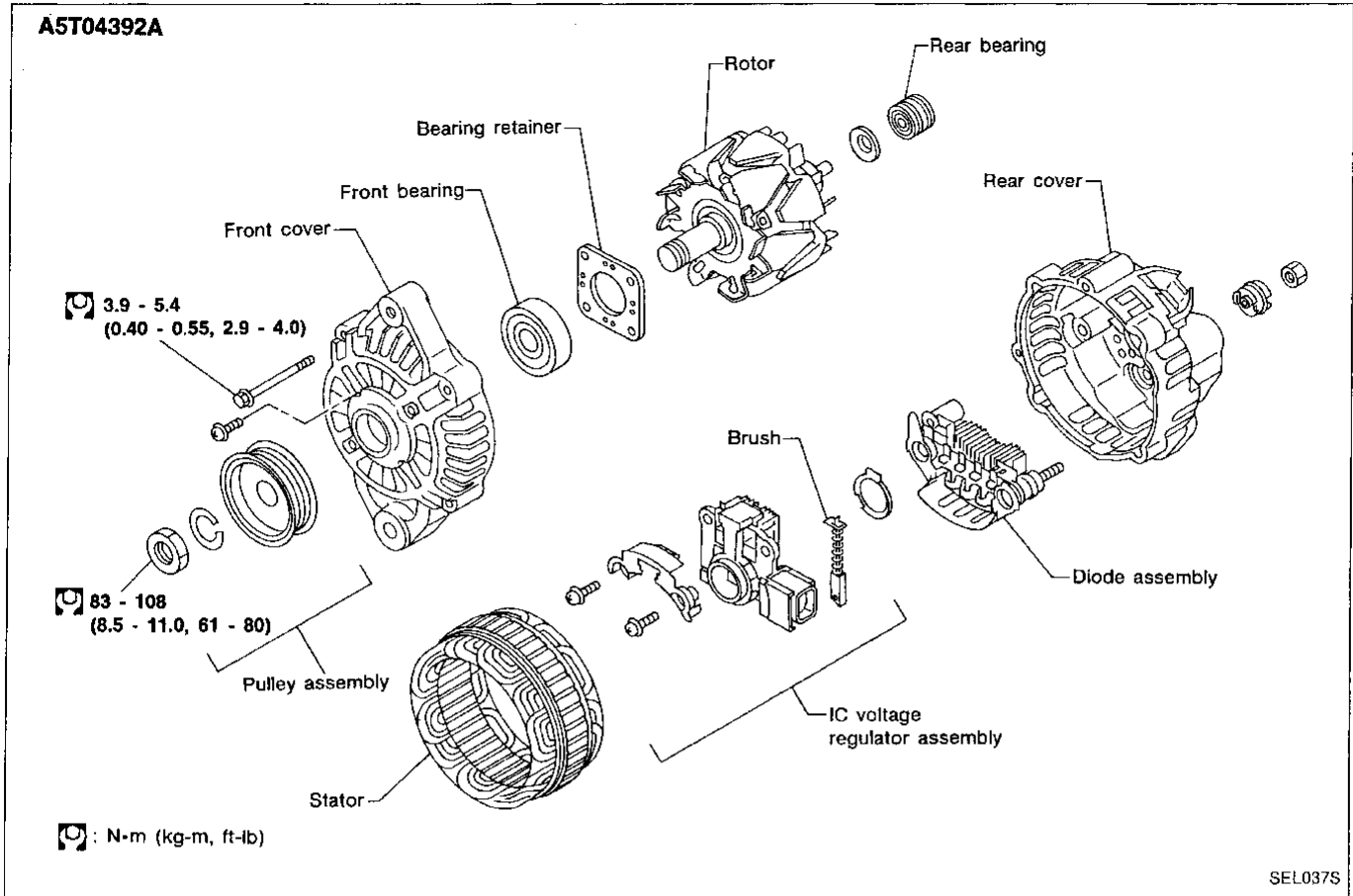
Wiring Diagram



GI
MA
EM
LC
FC
FE
CL
MT
AT
FA
BA
BR
ST
BF
HA
EL
IX

CHARGING SYSTEM

Construction



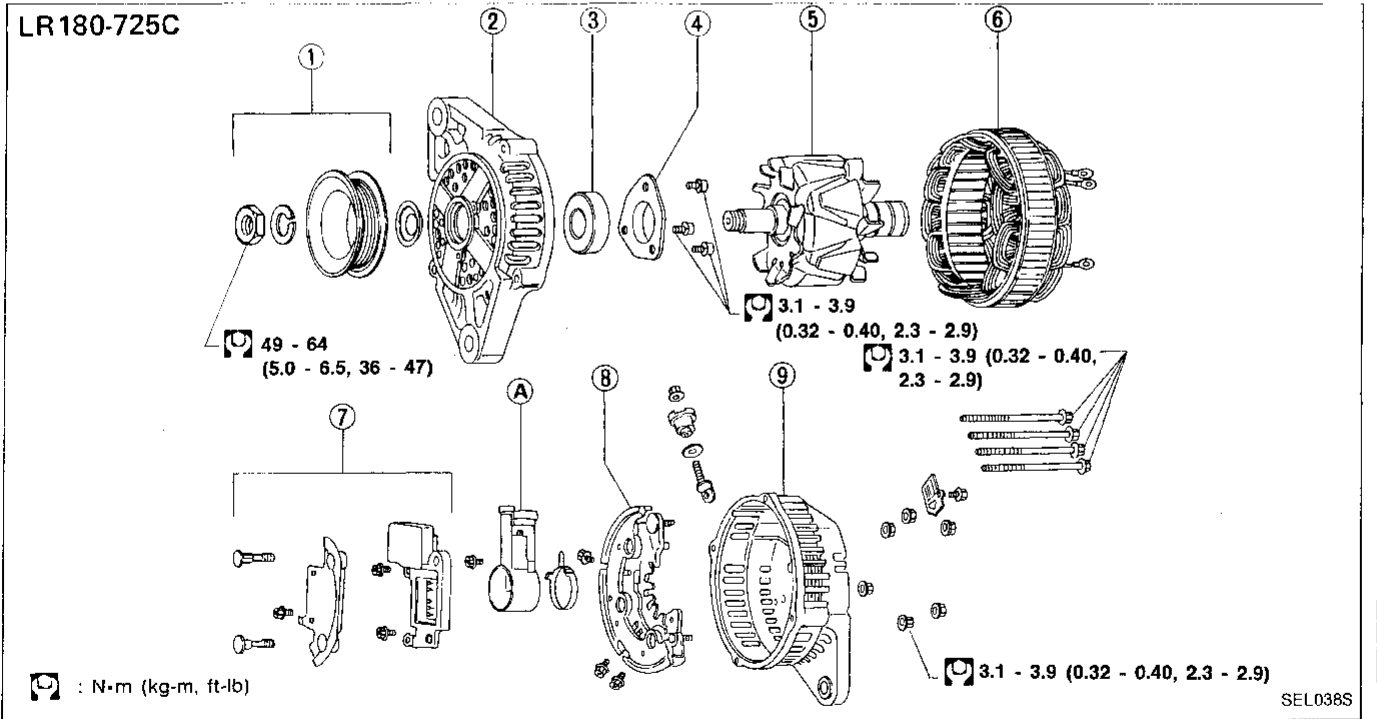
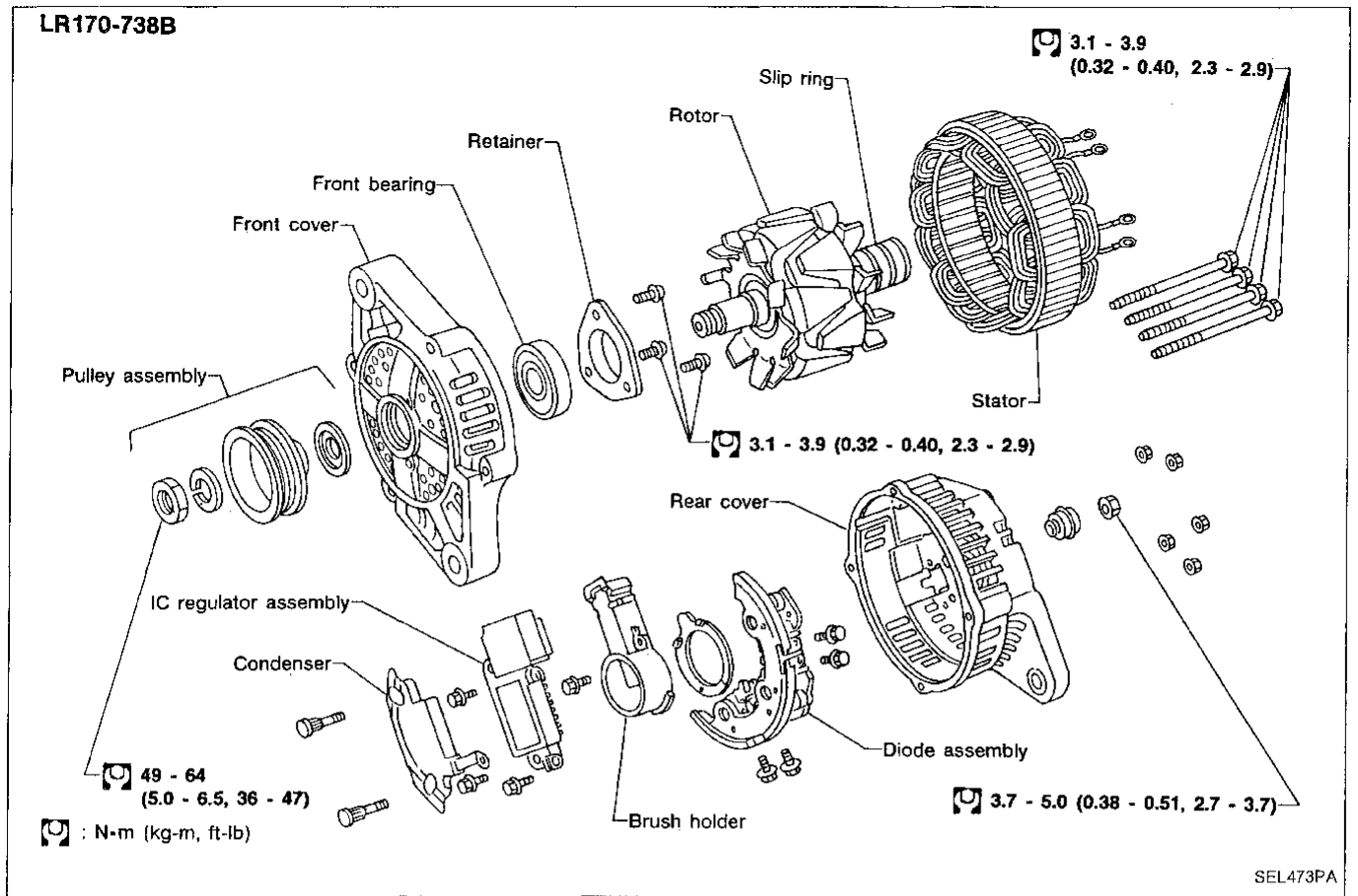
- ① Pulley assembly
- ② Front cover
- ③ Front bearing
- ④ Bearing retainer

- ⑤ Rotor
- ⑥ Rear bearing
- ⑦ Stator

- ⑧ IC voltage regulator assembly
- ⑨ Diode assembly
- ⑩ Rear cover

CHARGING SYSTEM

Construction (Cont'd)



- ① Pulley assembly
- ② Front cover
- ③ Bearing
- ④ Bearing retainer

- ⑤ Rotor
- ⑥ Stator
- ⑦ IC regulator assembly
- ⑧ Diode assembly

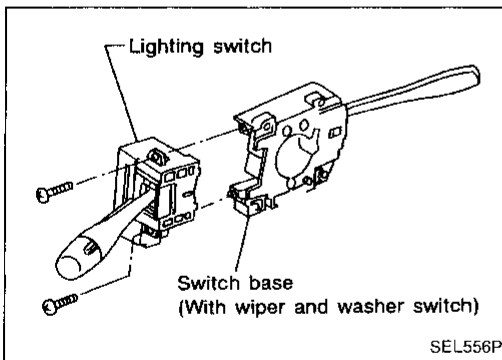
- ⑨ Rear cover
- Ⓐ Brush holder

CHARGING SYSTEM/COMBINATION SWITCH

Service Data and Specifications (SDS)

ALTERNATOR

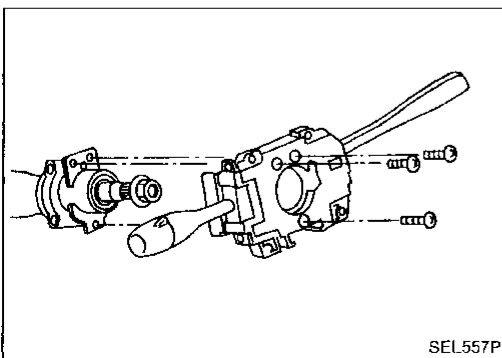
Type	LR180-725C	A2T13894	LR170-738C	A5T04392A	
	HITACHI	mitsubishi	HITACHI	MITSUBISHI	
Applied model	SR20DE		GA16DE		
Nominal rating	V-A	12-80	12-70		
Ground polarity	Negative				
Minimum revolution under no-load (When 13.5 volts is applied)	rpm	Less than 1,000	1,300	Less than 1,000	Less than 1,300
Hot output current	A/rpm	More than 23/1,300 More than 63/2,500 More than 77/5,000	More than 22/1,300 More than 65/2,500	More than 22/1,300 More than 50/2,500 More than 67/5,000	More than 21/1,300 More than 50/2,500
Regulated output voltage	V	14.1 - 14.7			
Minimum length of brush	mm (in)	6.0 (0.236)	8.0 (0.315)	6.0 (0.236)	8.0 (0.315)
Brush spring pressure	N (g, oz)	1.000 - 3.432 (102 - 350, 3.60 - 12.34)	3.138 - 4.315 (320 - 440, 11.29 - 15.52)	1.000 - 3.432 (102 - 350, 3.60 - 12.34)	3.138 - 4.315 (320 - 440, 11.29 - 15.52)
Slip ring minimum outer diameter	mm (in)	More than 26.0 (1.024)	More than 22.1 (0.870)	More than 26.0 (1.024)	More than 22.1 (0.870)
Rotor (Field coil) resistance	Ω	2.6 - 2.7	2.3 - 2.7	2.5 - 2.6	2.5 - 3.0



Replacement

For methods for removing/installing air bag module and spiral cable, refer to BF section.

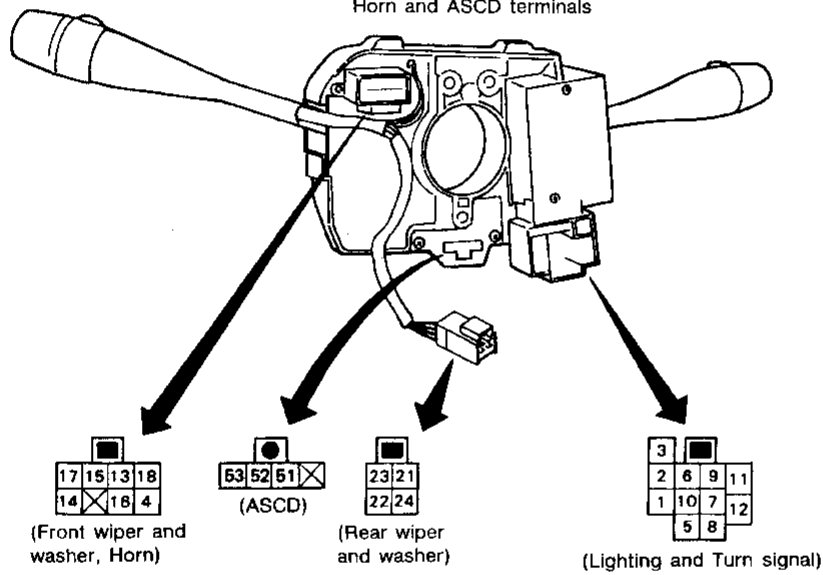
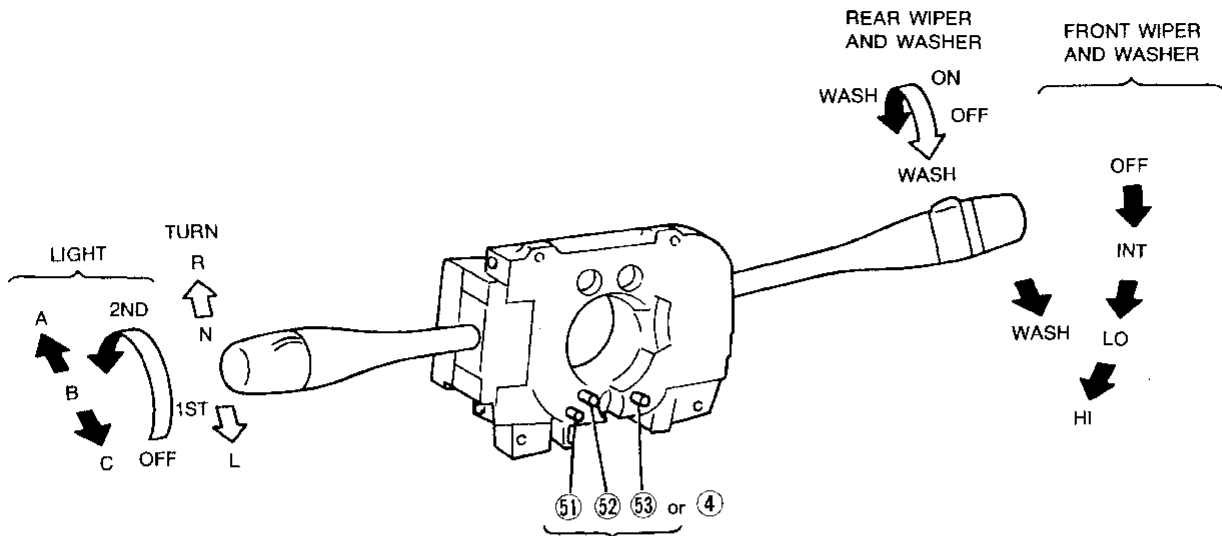
- Lighting switch can be replaced without removing combination switch base.



- To remove combination switch base, remove base attaching screw.

COMBINATION SWITCH

Check



LIGHTING SWITCH

	OFF			1ST			2ND		
	A	B	C	A	B	C	A	B	C
5			○			○	○	○	○
6			○			○	○	○	○
7			○			○	○	○	○
8			○			○	○	○	○
9			○			○	○	○	○
10			○			○	○	○	○
11			○			○	○	○	○
12			○			○	○	○	○

TURN SIGNAL SWITCH

	R	N	L
1	○	○	○
2	○	○	○
3	○	○	○

WIPER SWITCH

	OFF	INT	LO	HI	WASH
13					○
14	○	○	○	○	○
15	○	○	○	○	○
16	○	○	○	○	○
17	○	○	○	○	○
18	○	○	○	○	○

(With intermittent)

	OFF	LO	HI	WASH
13	○			
14	○	○	○	○
16	○	○	○	○
17	○	○	○	○
18	○	○	○	○

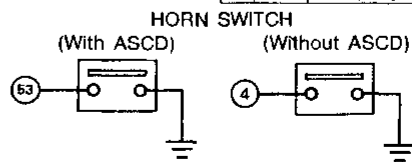
(Without intermittent)

REAR WIPER SWITCH

	WASH	OFF	ON	WASH
21	○	○	○	○
22	○	○	○	○
23	○	○	○	○
24	○	○	○	○

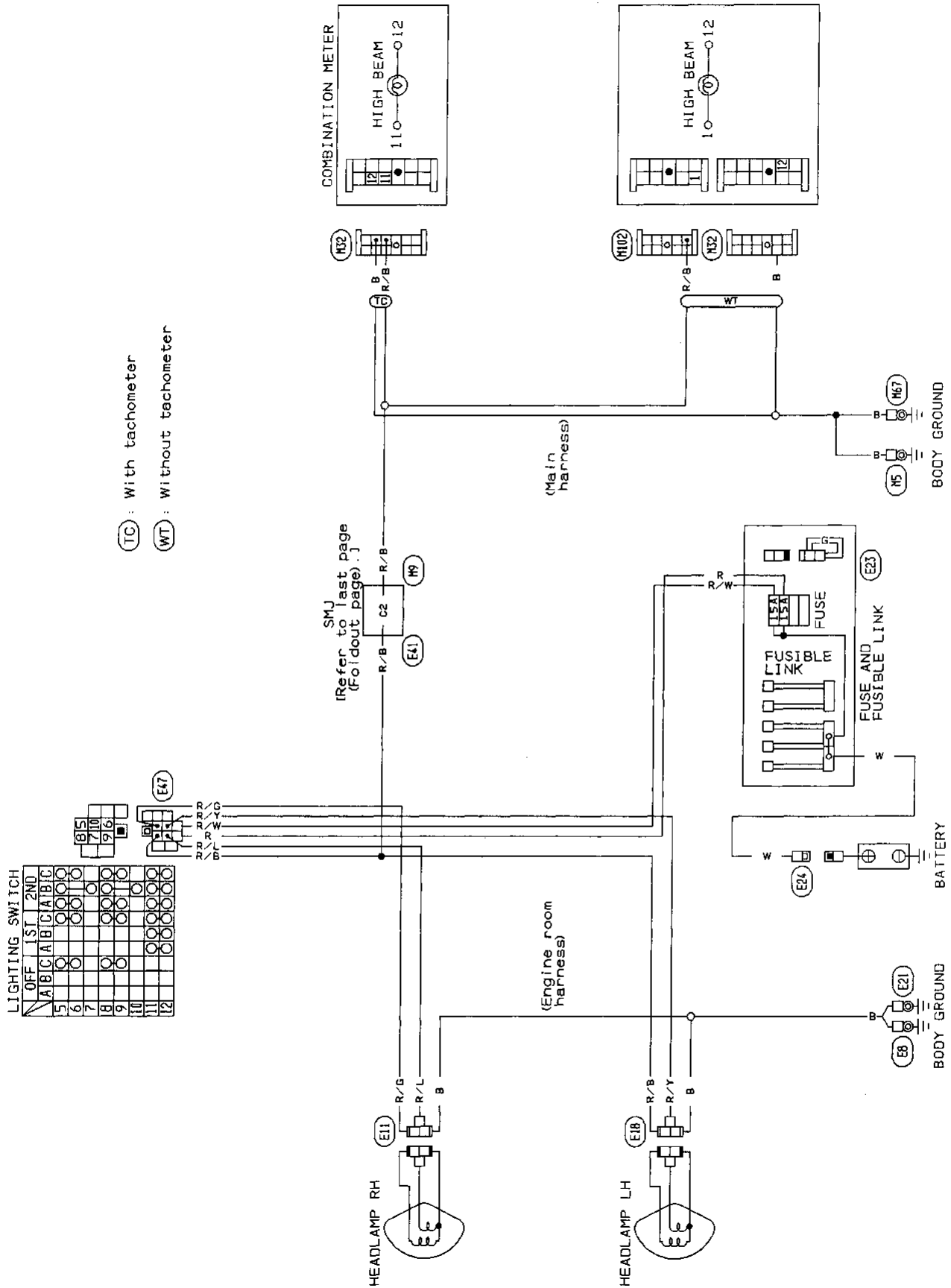
ASCD SWITCH

	RES ACCEL	SET COAST	CANCEL
53	○	○	○
52	○	○	○
51	○	○	○



HEADLAMP

Wiring Diagram (For U.S.A.)



MEL688C

HEADLAMP

Operation (Daytime light system for Canada)

After starting the engine with the lighting switch in the "OFF" position or "1ST" position, the headlamp high beam automatically turns on. Lighting switch operations other than the above are the same as conventional light systems.

Engine		With engine stopped									With engine running								
Lighting switch		OFF			1ST			2ND			OFF			1ST			2ND		
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Headlamp	High beam	X	X	O	X	X	O	O	X	O	△*	△*	O	△*	△*	O	O	X	O
	Low beam	X	X	X	X	X	X	X	O	X	X	X	X	X	X	X	X	O	X
Clearance and tail lamp		X	X	X	O	O	O	O	O	O	X	X	X	O	O	O	O	O	O
License and instrument illumination lamp		X	X	X	O	O	O	O	O	O	X	X	X	O	O	O	O	O	O

O : Lamp "ON"

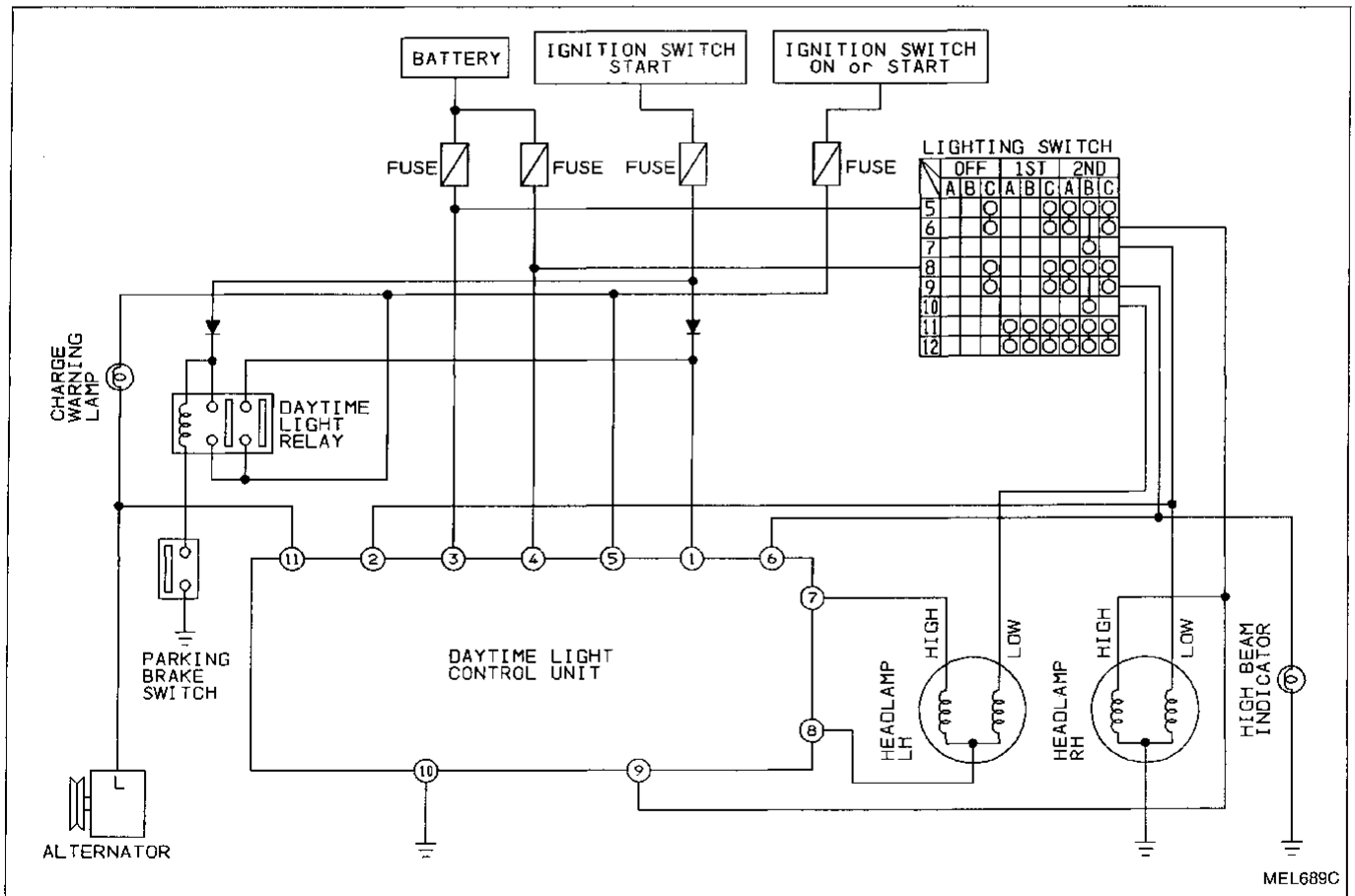
X : Lamp "OFF"

△ : Lamp dims.

□ : Added functions

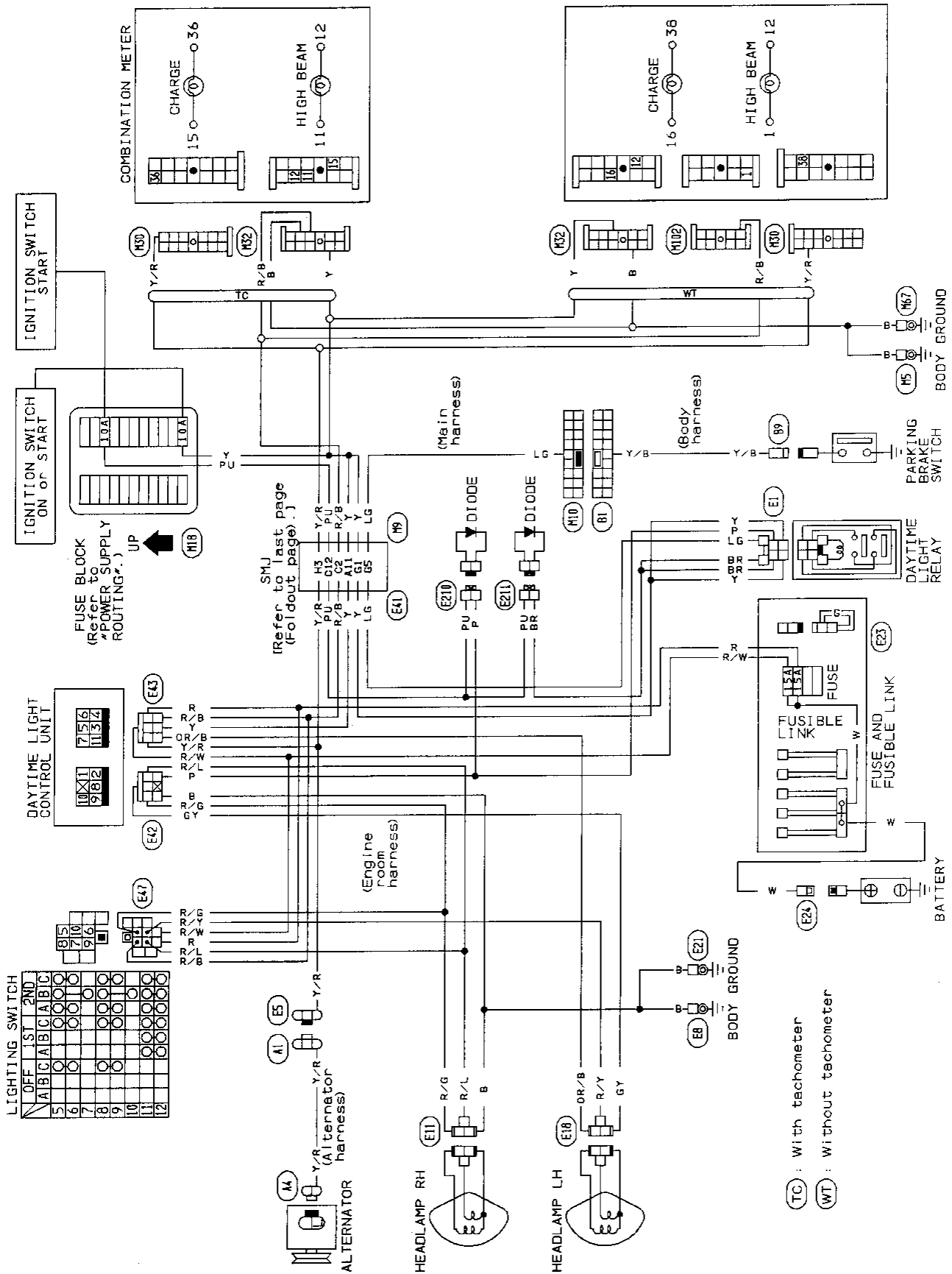
* : When starting the engine with the parking brake released, the daytime light will come on.
When starting the engine with the parking brake applied, the daytime light will not come on.

Schematic (Daytime light system for Canada)



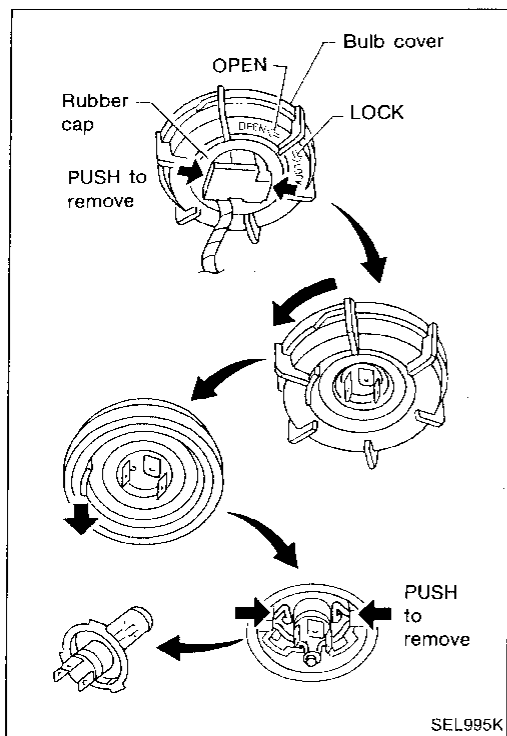
HEADLAMP

Wiring Diagram (Daytime light system for Canada)



(TC) : With tachometer
(WT) : Without tachometer

HEADLAMP



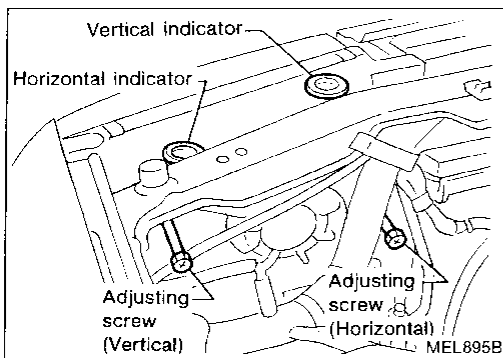
Bulb Replacement

The headlamp is a semi-sealed beam type which uses a replaceable halogen bulb. The bulb can be replaced from the engine compartment side without removing the headlamp body.

- **Grasp only the plastic base when handling the bulb. Never touch the glass envelope.**
1. Disconnect the battery cable.
 2. Disconnect the harness connector from the back side of the bulb.
 3. Turn the bulb retaining ring counterclockwise until it is free from the headlamp reflector, and then remove it.
 4. Pull off the rubber cap.
 5. Remove the headlamp bulb carefully. Do not shake or rotate the bulb when removing it.
 6. Install in the reverse order of removal.

CAUTION:

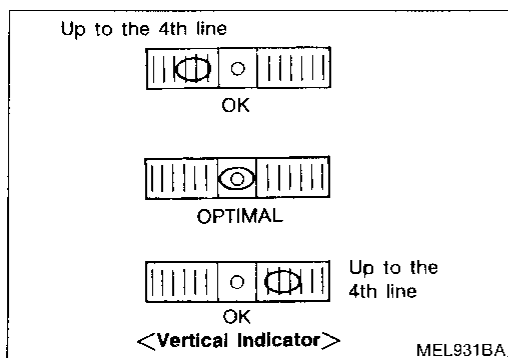
- **Do not leave the bulb out of the headlamp reflector for a long period of time as dust, moisture, smoke, etc. may enter the headlamp body and affect the performance of the headlamp. Thus, the headlamp bulb should not be removed from the headlamp reflector until just before a replacement bulb is to be installed.**



Aiming Adjustment

Before performing aiming adjustment, make sure of the following.

- a. Keep all tires inflated to correct pressure.
- b. Place vehicle on level ground.
- c. See that vehicle is unloaded (except for full levels of coolant, engine oil and fuel, and spare tire, jack, and tools). Have the driver or equivalent weight placed in driver's seat.



LOW BEAM

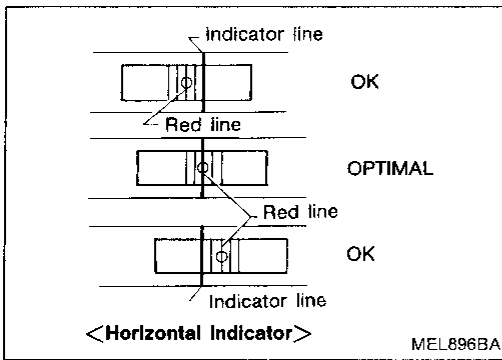
1. Open the hood.
2. Adjust the vertical indicator by turning the adjusting screw (vertical direction).

The bubble in the gauge should be centered on the "o" mark as shown in the illustration.

HEADLAMP

Aiming Adjustment (Cont'd)

3. Adjust the horizontal indicator by turning the adjusting screw. (horizontal direction)
The inner red line with the "o" mark should align with the indicator line.

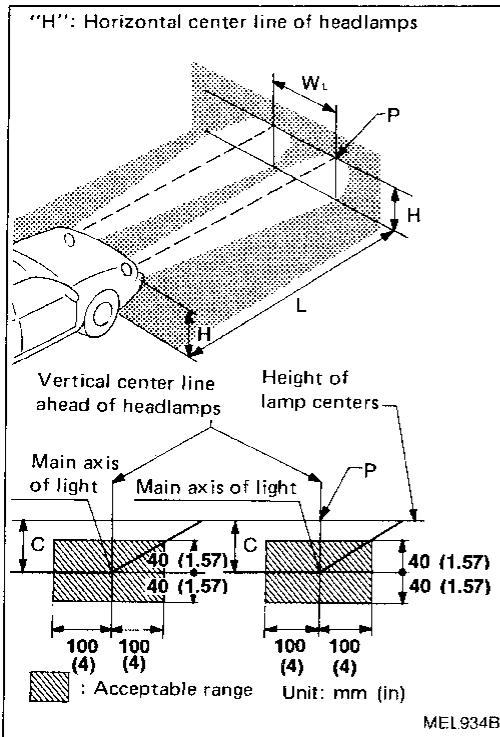


ADJUSTMENT AFTER HEADLAMP ASSEMBLY REPLACEMENT

If the vehicle has had front body repair and the headlamp assembly has been replaced, the aiming should be checked using the aiming chart as shown in the illustration.

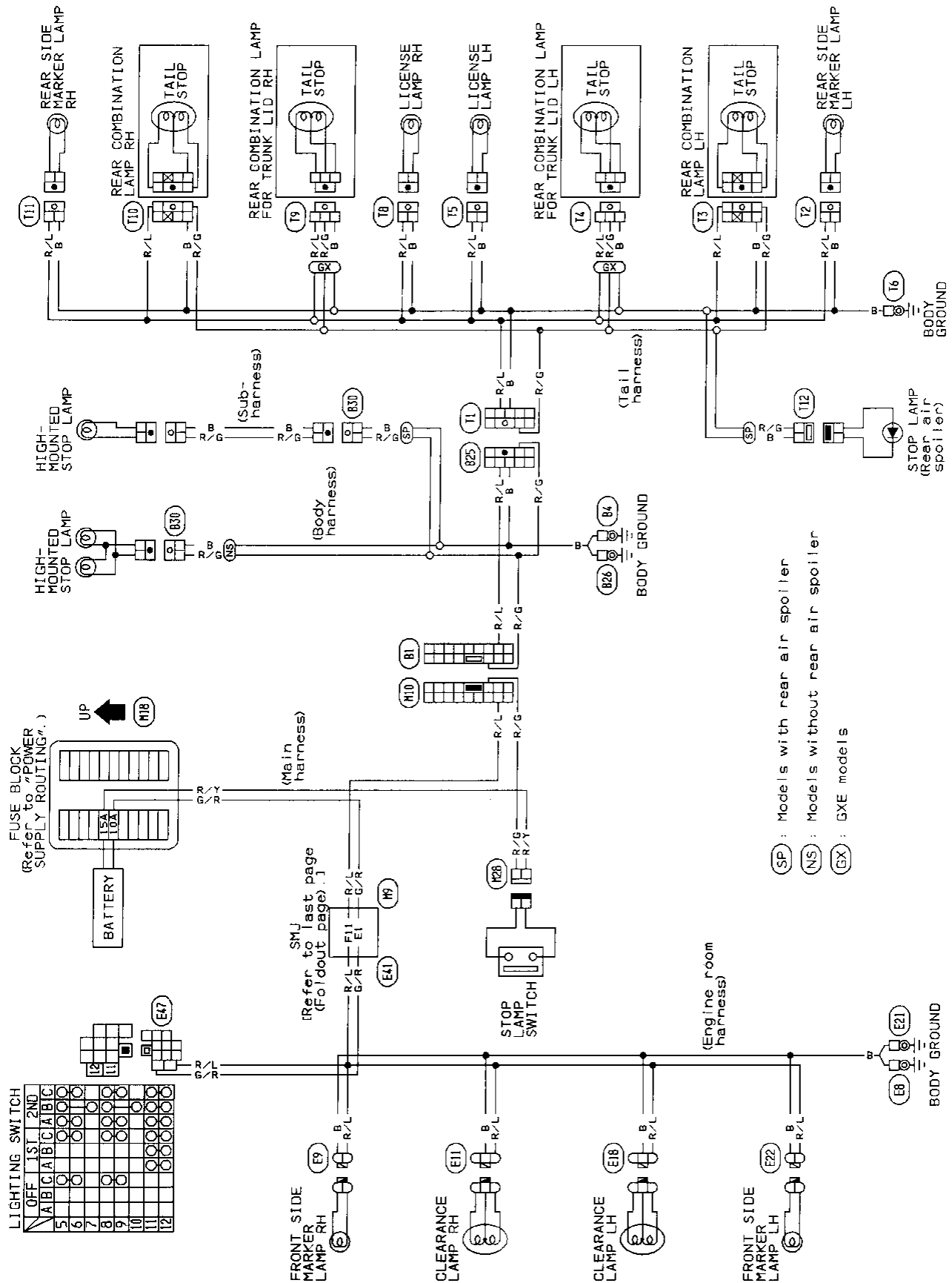
- a. **Adjust headlamps so that main axis of light is parallel to center line of body and is aligned with point P shown in the illustration.**
- b. **Dotted lines in illustration show center of headlamp.**
 "H": Horizontal center line of headlamps
 "W_L": Distance between each headlamp center
 "L": 7,620 mm (300.00 in)
 "C": 106 mm (4.17 in)

Even if the horizontal indicator does not align with the indicator line or the bubble is not centered in the vertical indicator after aiming by the chart, it is acceptable if they are within the OK ranges.



EXTERIOR LAMP

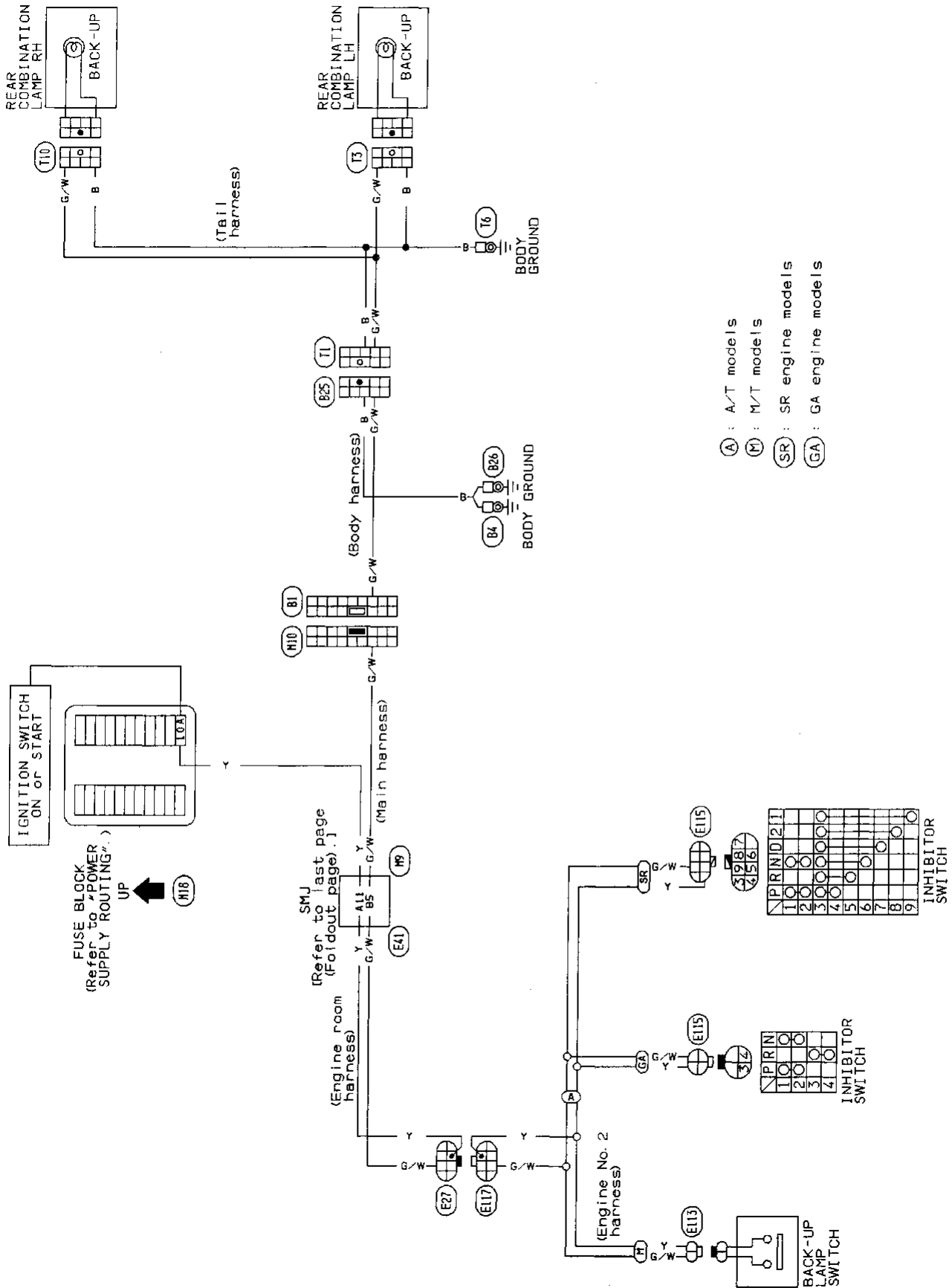
Clearance, License, Tail and Stop Lamps/Wiring Diagram



- GI
- MA
- EM
- LC
- FE
- FE
- FE
- CL
- MT
- AT
- FA
- RA
- BB
- ST
- BF
- HA
- EL**
- IDX

EXTERIOR LAMP

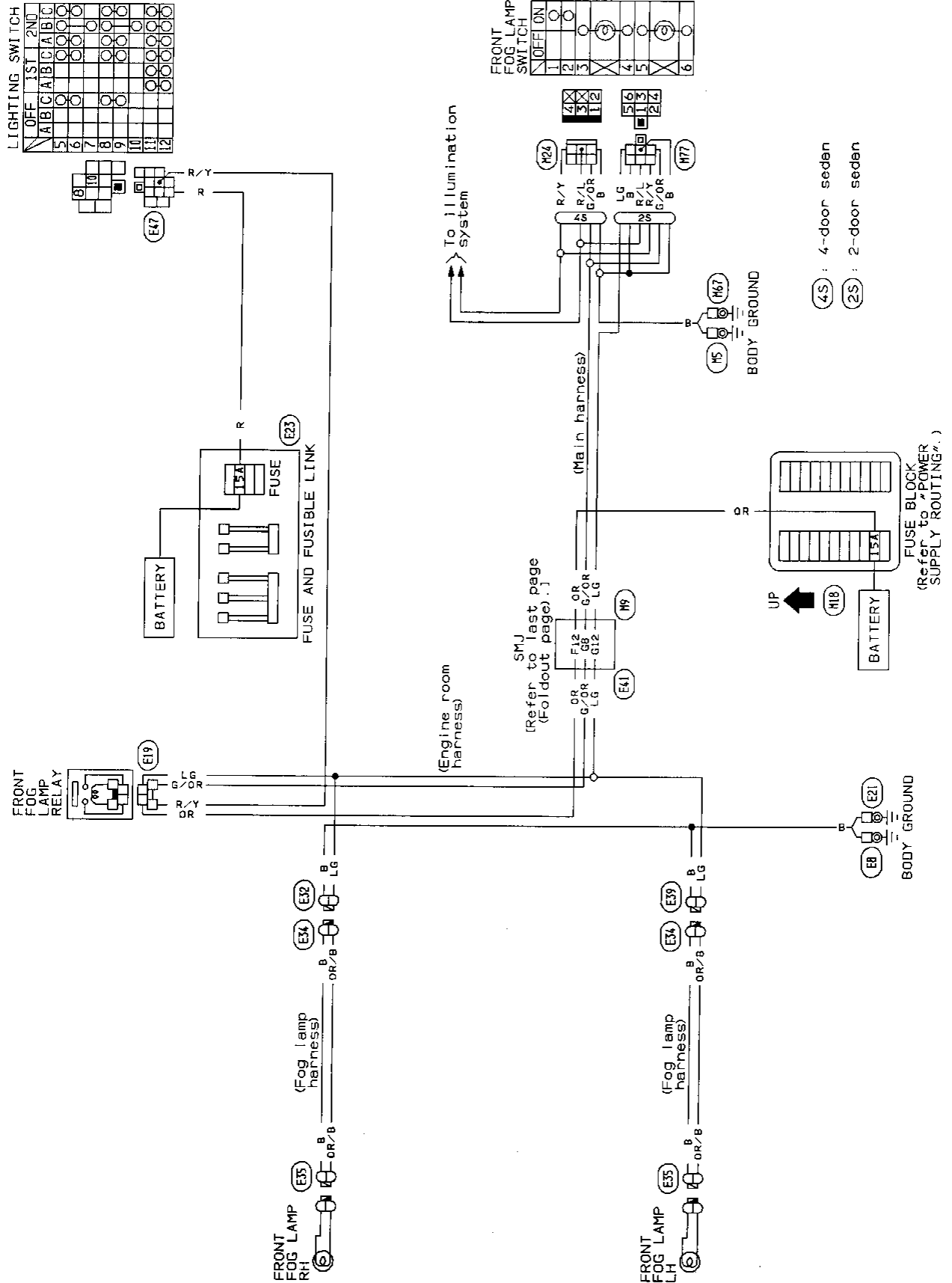
Back-up Lamp/Wiring Diagram



MEL692C

EXTERIOR LAMP

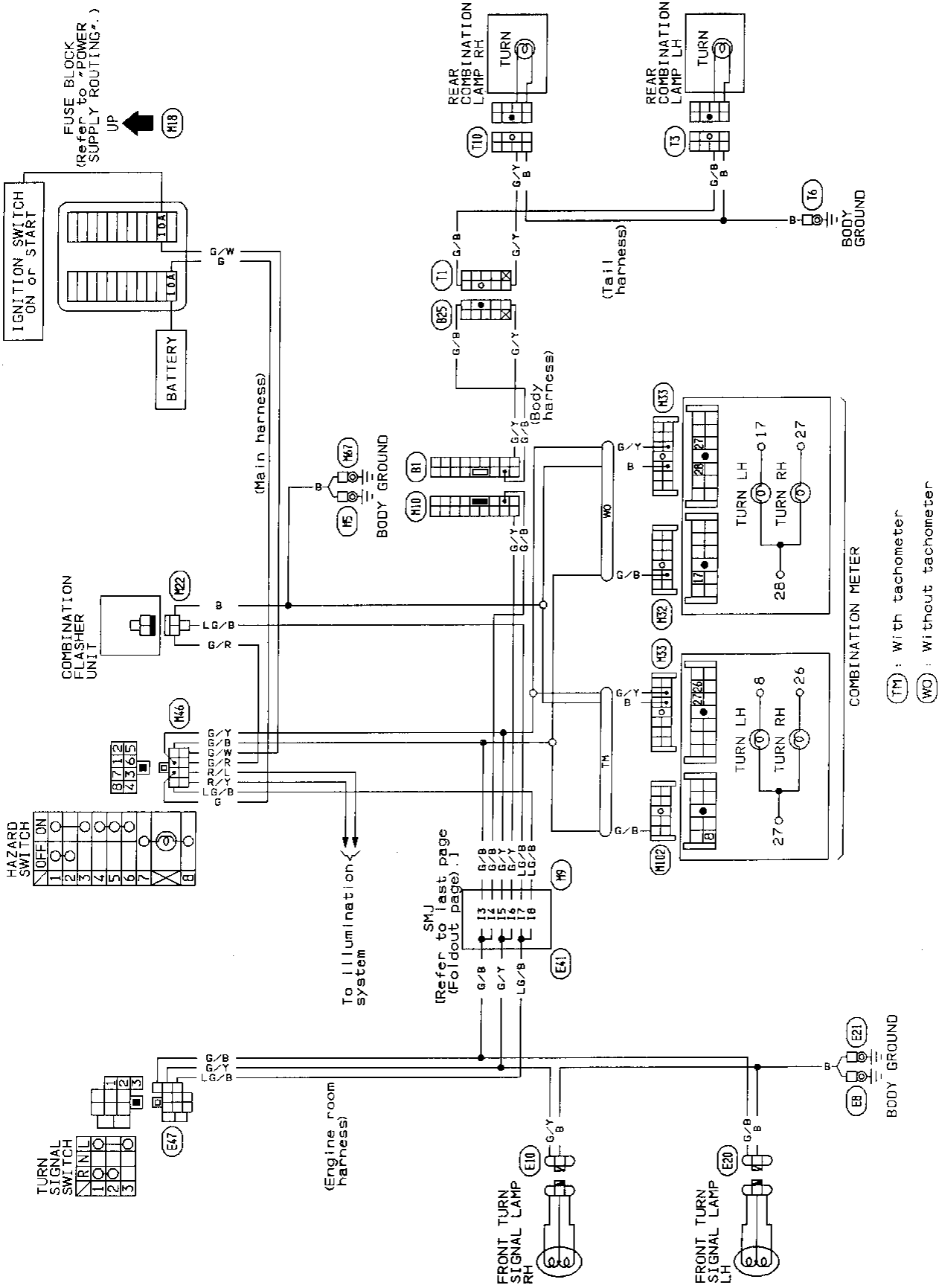
Front Fog Lamp/Wiring Diagram



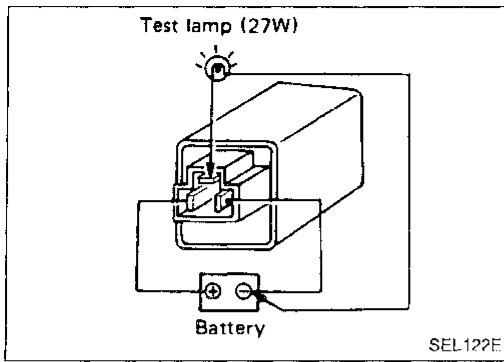
GI
MA
EM
LC
EF & EC
FE
CL
VT
AT
FA
RA
BR
ST
BF
HA
EL
DX

EXTERIOR LAMP

Turn Signal and Hazard Warning Lamps/Wiring Diagram



EXTERIOR LAMP



Combination Flasher Unit Check

- Before checking, ensure that bulbs meet specifications.
- Connect a battery and test lamp to the combination flasher unit, as shown. Combination flasher unit is properly functioning if it blinks when power is supplied to the circuit.

Bulb Specifications

Item	Wattage (W)	Bulb No.
Headlamp	60/55	HB2
Front combination lamp	27/8	1157NA
Front side marker lamp	3.8	194
Rear combination lamp		
Turn signal	27	1156
Stop/Tail	27/8	1157
Back-up	27	1156
Rear side marker lamp	3.8	194
License plate lamp	5	
High-mounted stop lamp	13	912
Interior lamp	10	
Trunk lamp	3.4	158

CI

MA

EM

LC

EF &

FC

FF

CL

WT

AT

FA

RA

BR

ST

BF

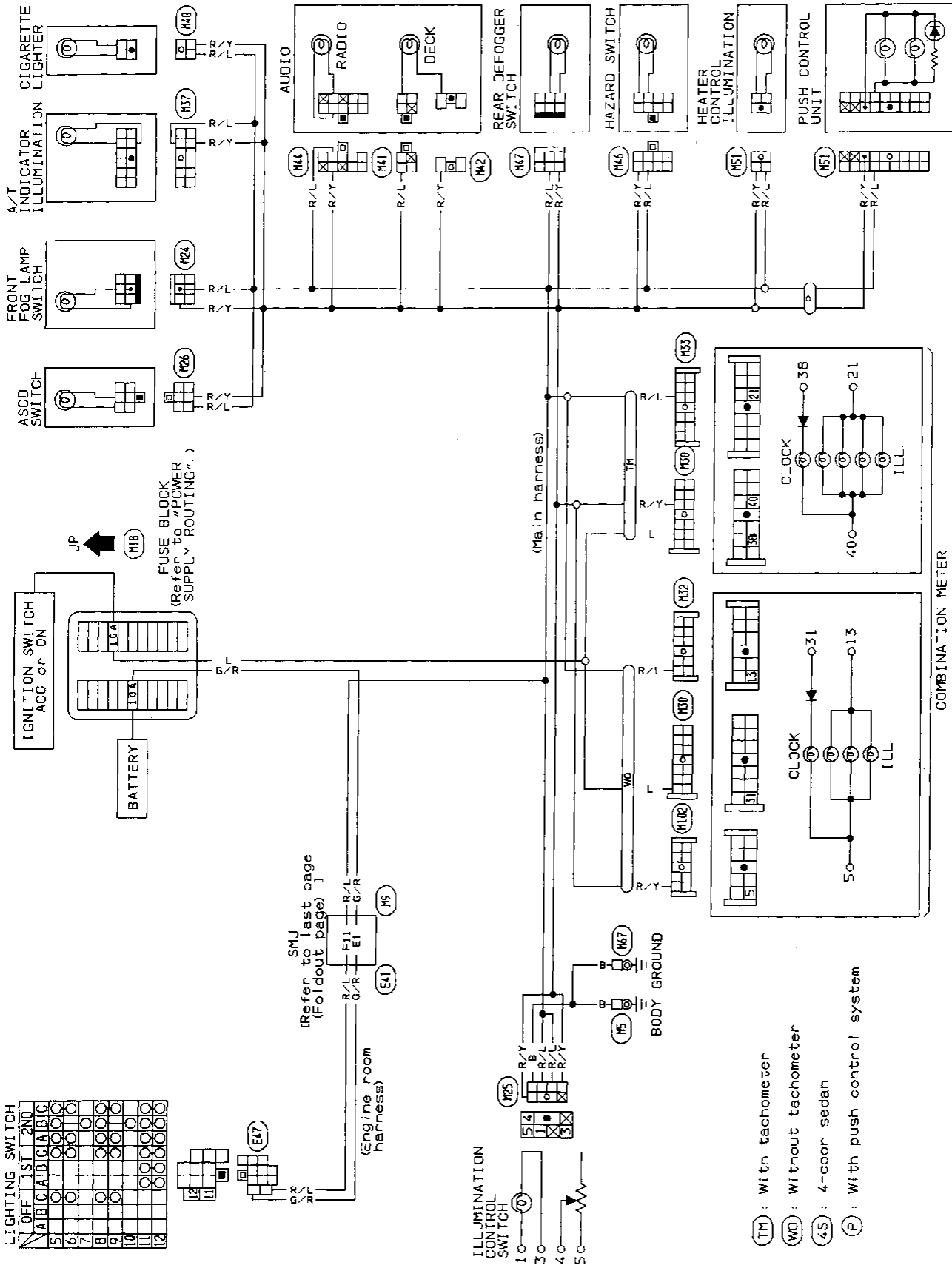
HA

EL

IDX

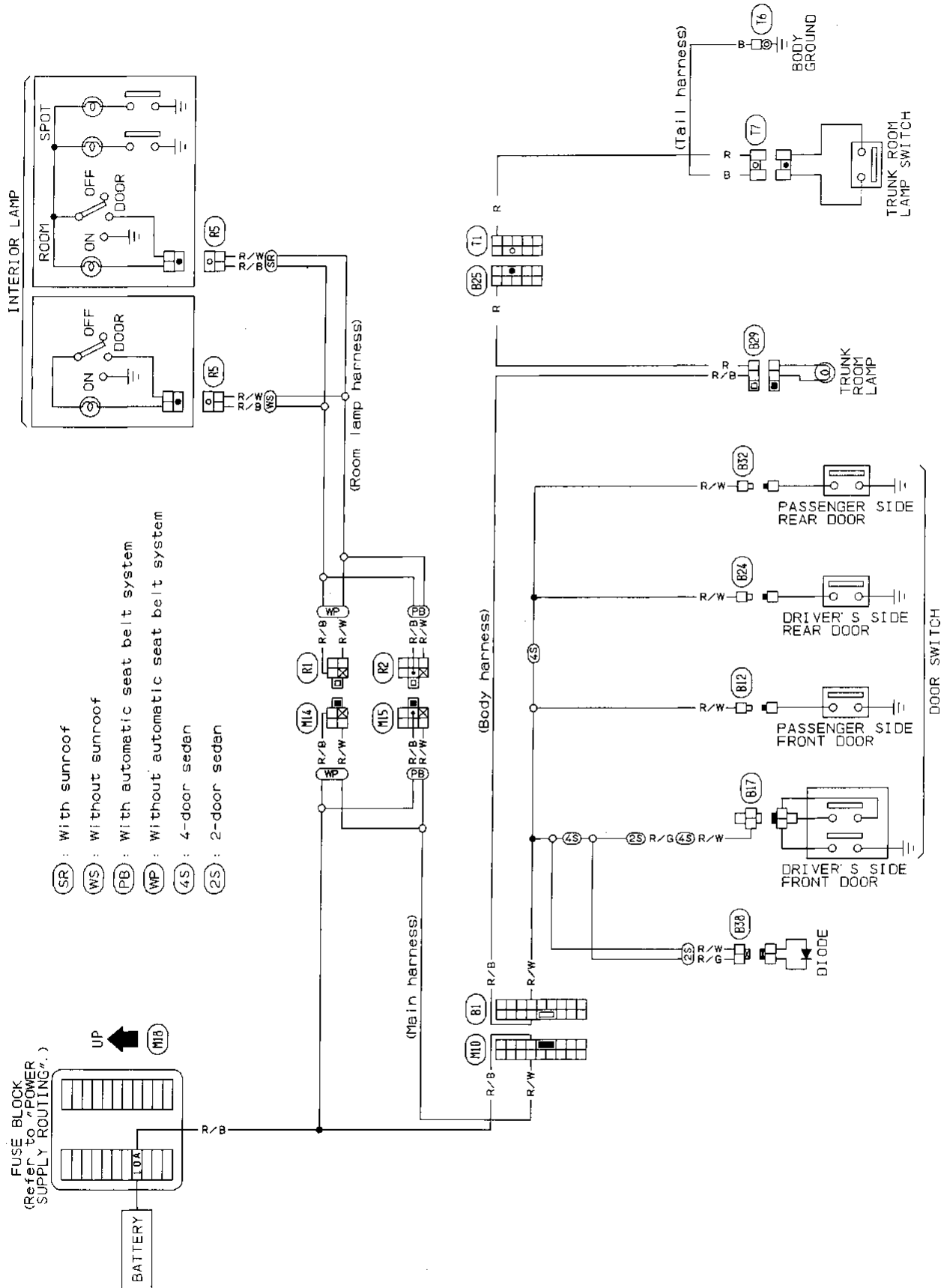
INTERIOR LAMP

Illumination/Wiring Diagram



INTERIOR LAMP

Interior and Trunk Room Lamps/Wiring Diagram

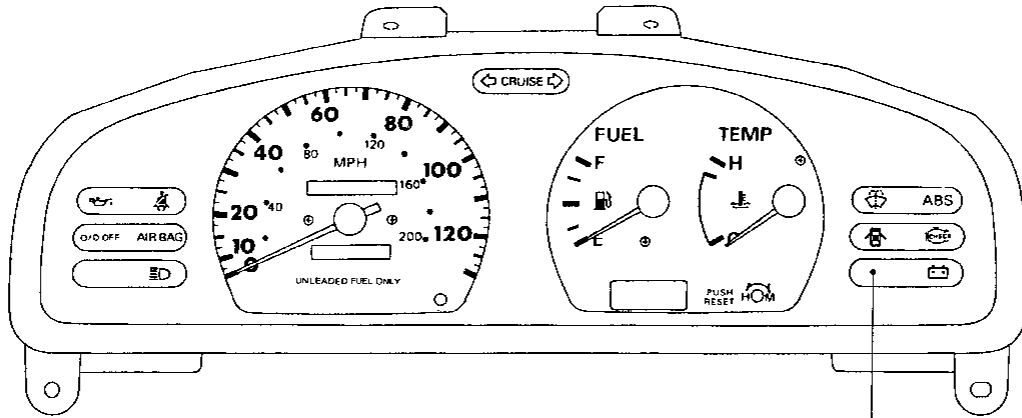


GI
WA
EM
LC
FF & EC
FE
CL
MT
AT
FA
RA
BR
ST
BF
HA
EL
IDX

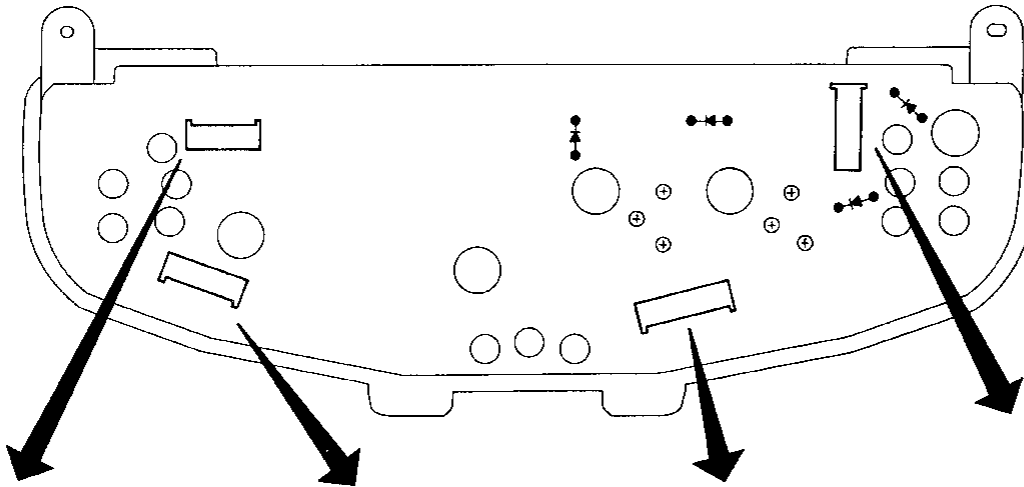
METER AND GAUGES

Combination Meter

WITHOUT TACHOMETER



BRAKE ... For U.S.A.
 (C) ... For Canada



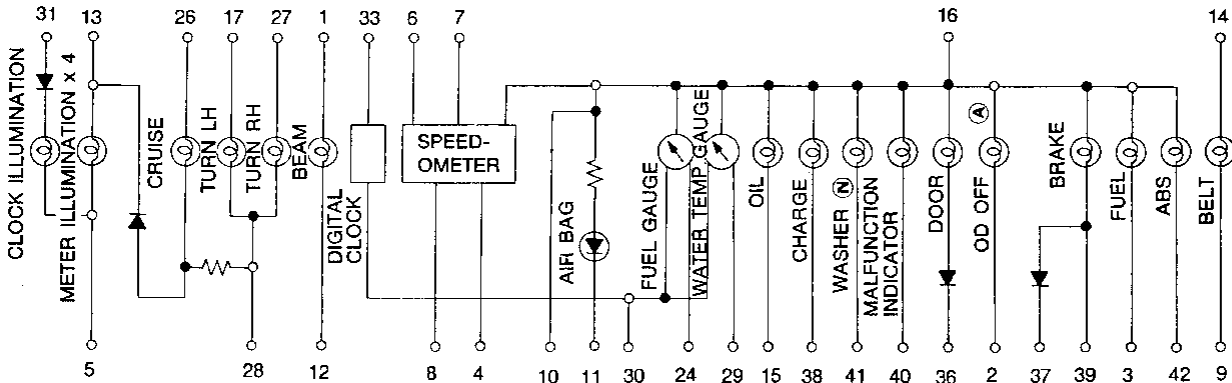
1	2	3	4
5	6	7	8

9	10	11	12	13
14	15	16	17	

			24	
26	27	28	29	30

31	37
38	
33	39
	40
	41
36	42

(A) : A/T models
 (N) : For Canada

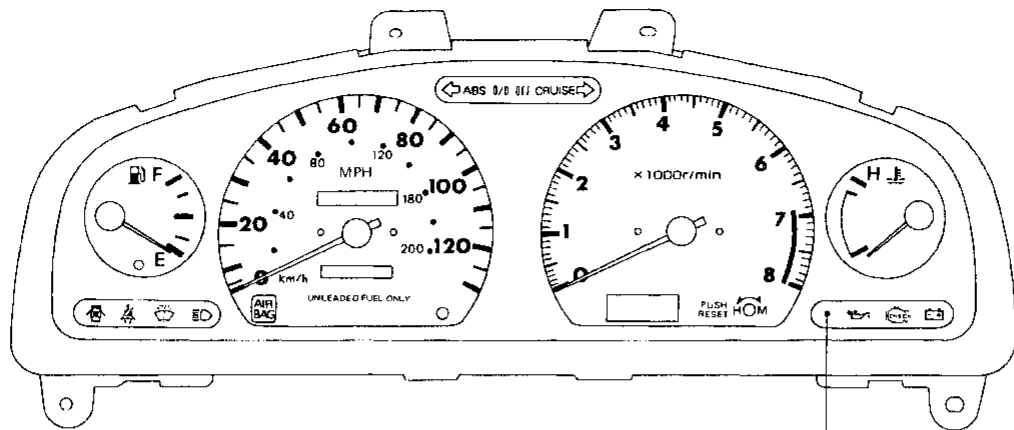


MEL888BA

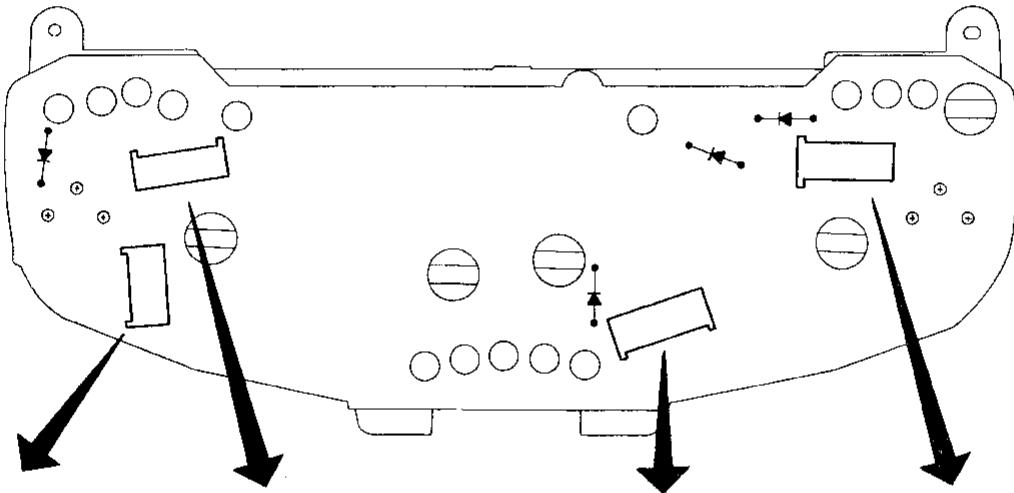
METER AND GAUGES

Combination Meter (Cont'd)

WITH TACHOMETER



BRAKE ... For U.S.A.
 (Ⓢ) ... For Canada

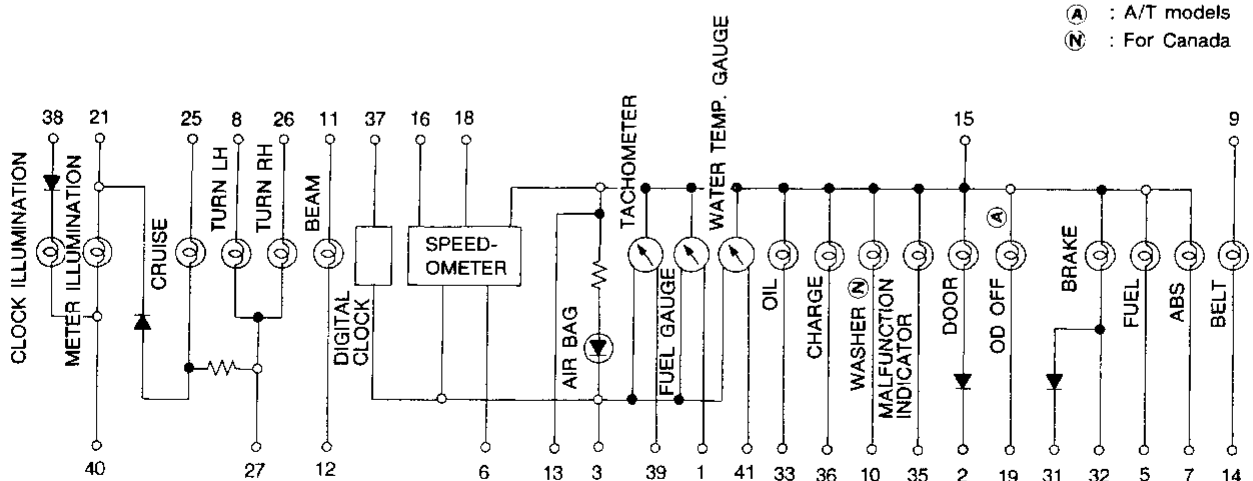


1	5
2	6
3	7
8	

9	10	11	12	13
14	15	16	18	

19	21		
25	26	27	

31	32	33		35	36
37	38	39	40	41	

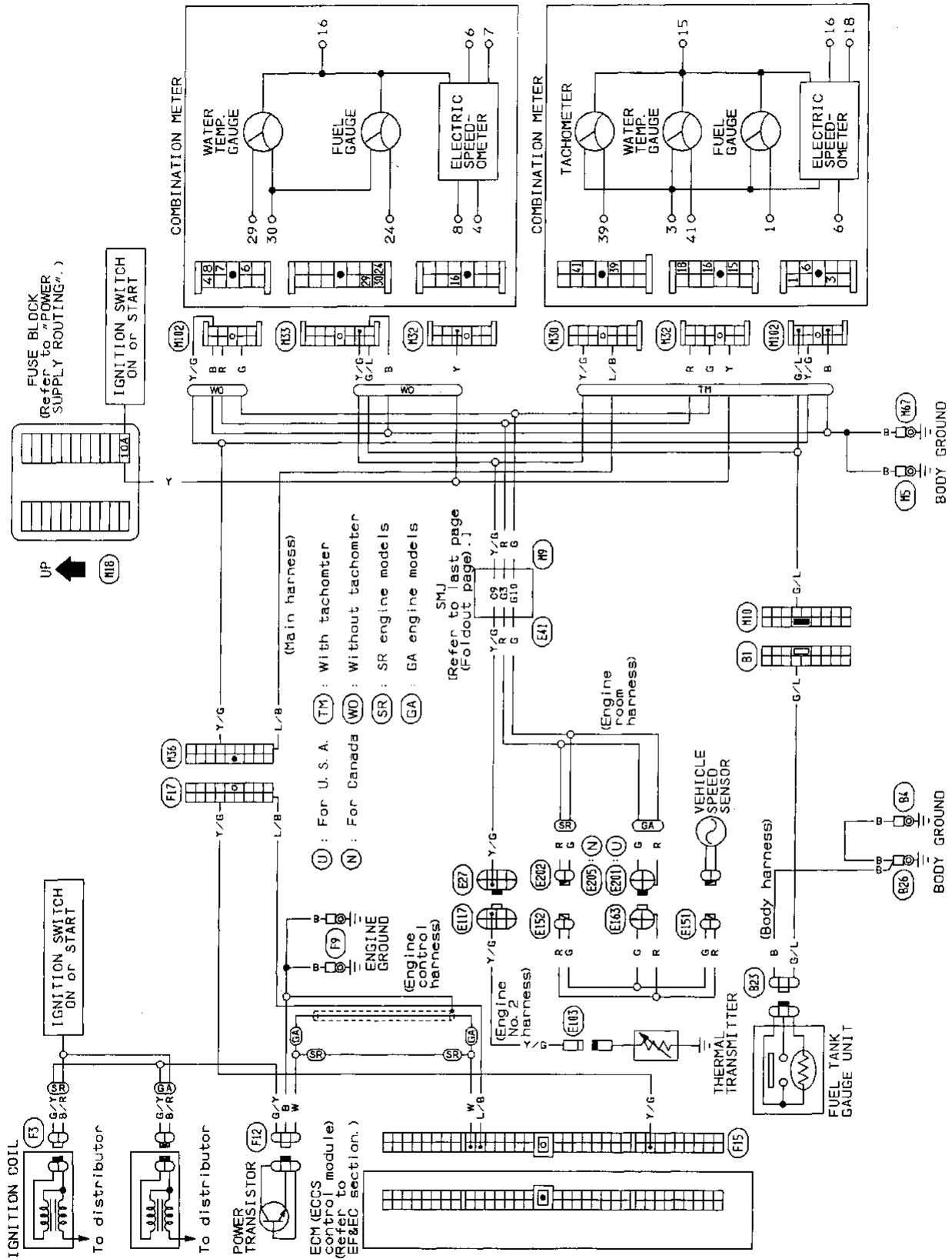


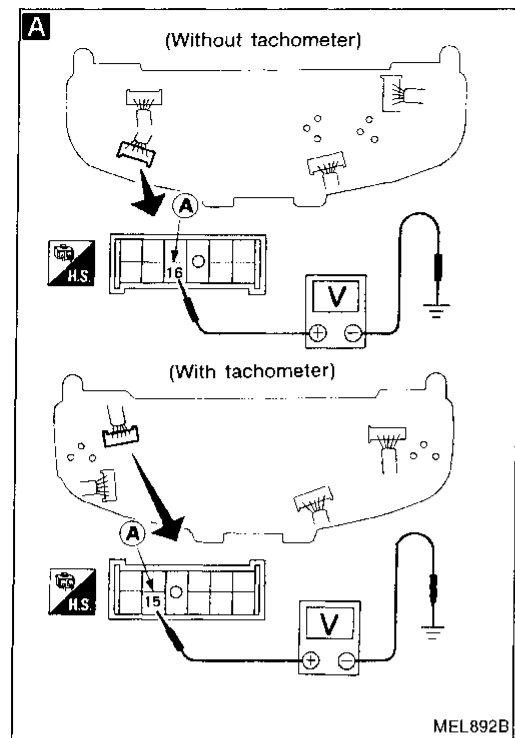
(A) : A/T models
 (N) : For Canada

GI
 WA
 EM
 LC
 EF &
 EC
 FE
 CL
 MT
 AT
 FA
 RA
 BR
 ST
 BF
 HA
EL
 IDX

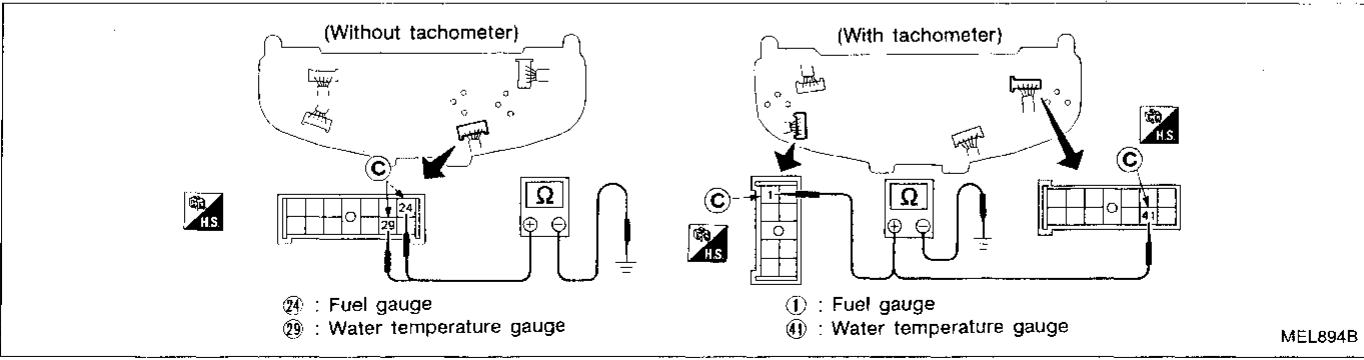
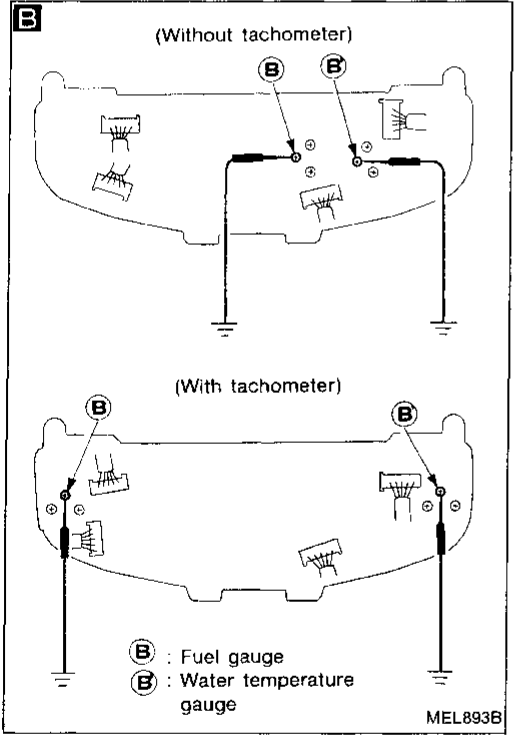
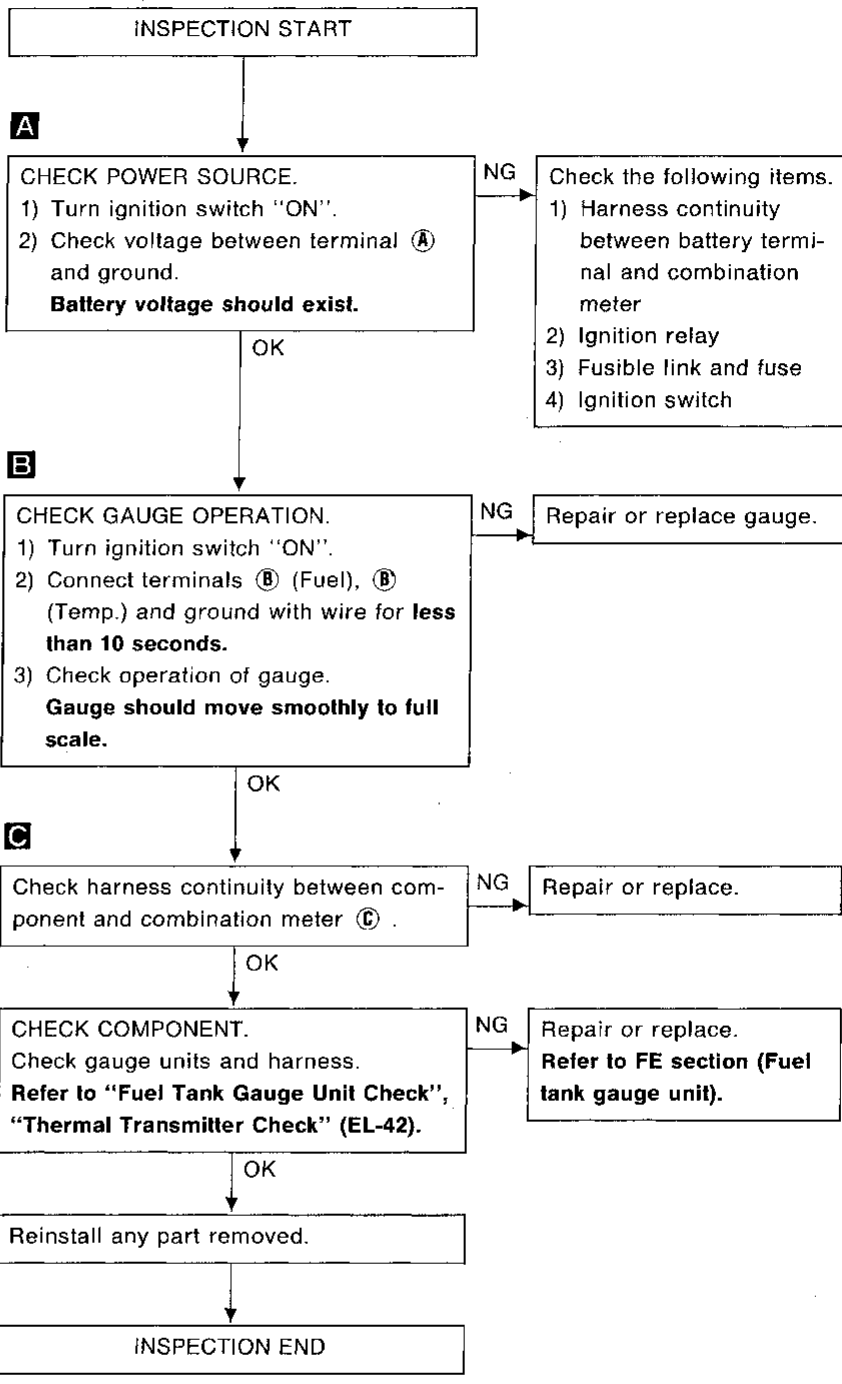
METER AND GAUGES

Speedometer, Tachometer, Temp., and Fuel Gauges/Wiring Diagram





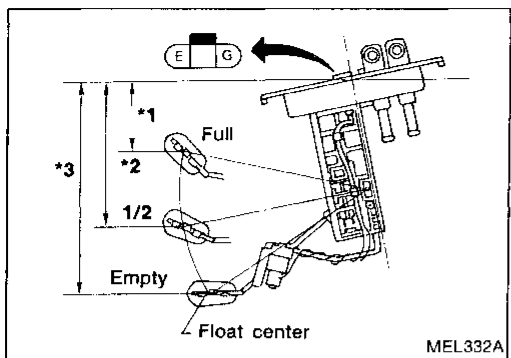
Inspection/Fuel Gauge and Water Temperature Gauge



GI
MA
EM
LC
EF & EC
FE
CL
MT
AT
FA
RA
BR
ST
BF
HA

EL

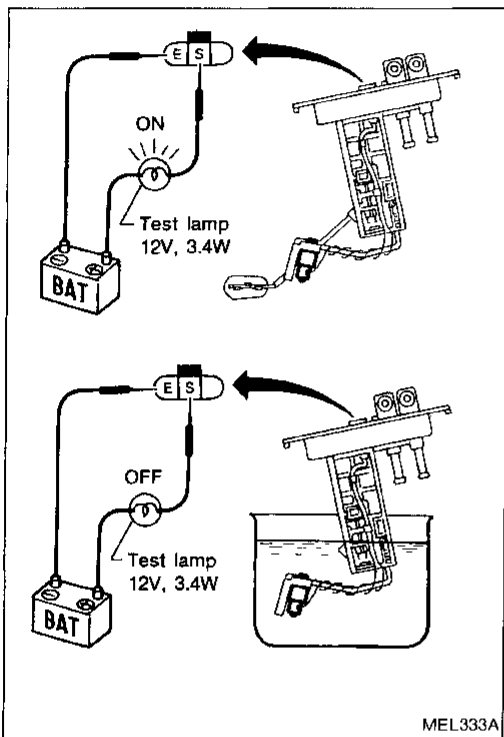
IDX



Fuel Tank Gauge Unit Check

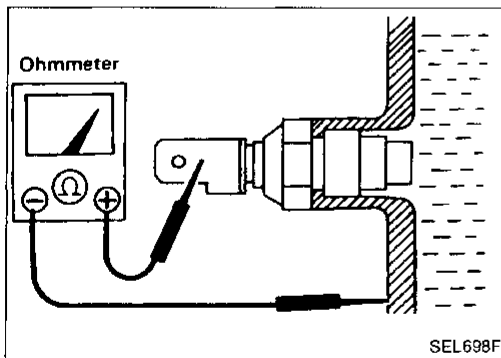
- For removal, refer to FE section.
- Check the resistance between terminals **G** and **E**.

Ohmmeter		Float position			Resistance value (Ω)
(+)	(-)		mm (in)		
G	E	*1	Full	62 (2.44)	Approx. 4 - 6
		*2	1/2	111 (4.37)	Approx. 28 - 34
		*3	Empty	164 (6.46)	Approx. 73 - 85



Fuel Warning Lamp Sensor Check

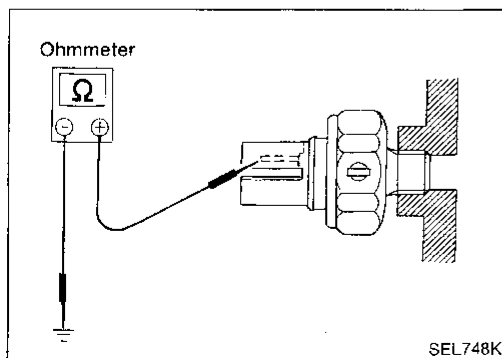
- It will take a short time for the bulb to light.



Thermal Transmitter Check

Check the resistance between the terminals of thermal transmitter and body ground.

Water temperature	Resistance
60°C (140°F)	Approx. 70 - 90 Ω
100°C (212°F)	Approx. 21 - 24 Ω



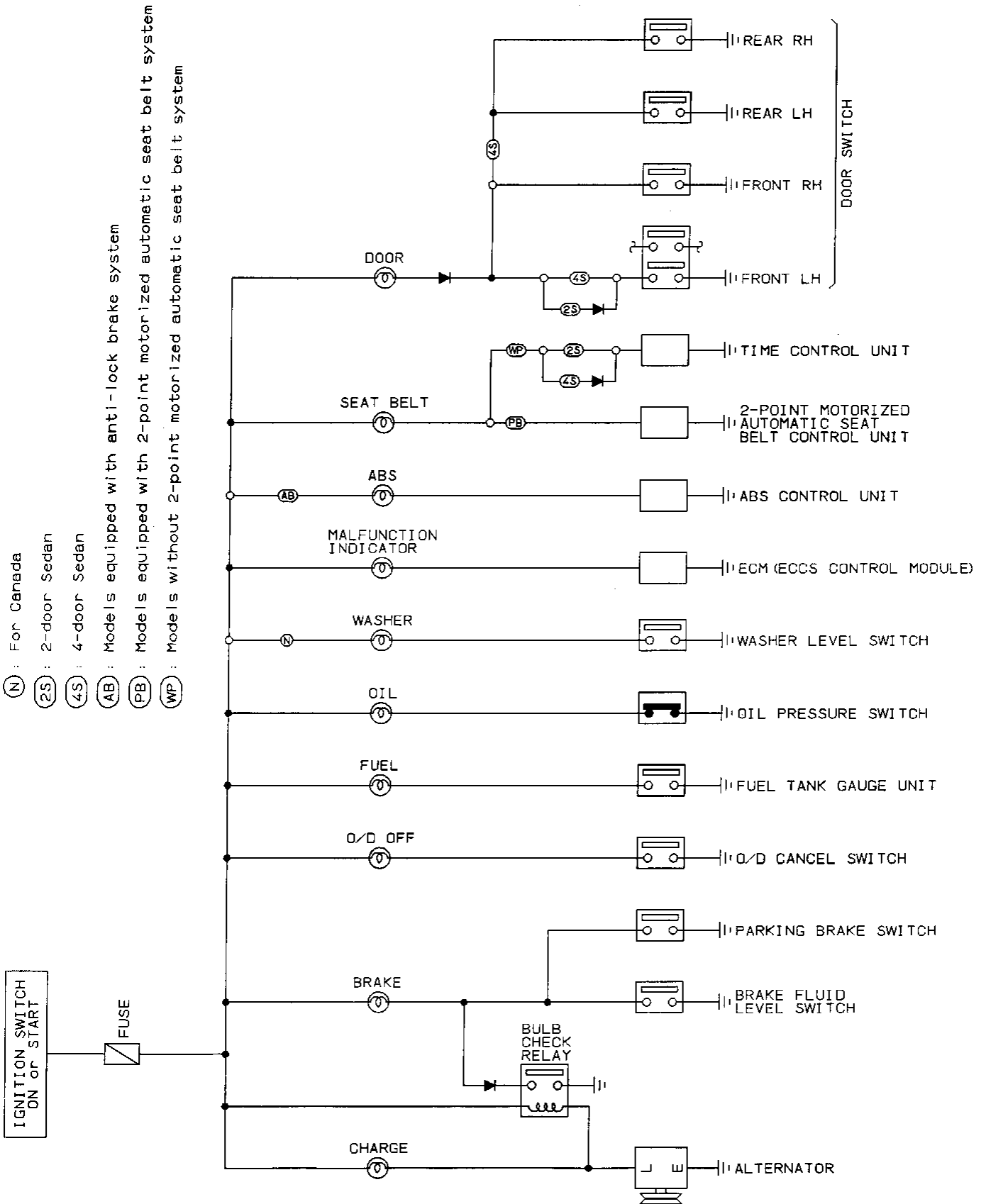
Oil Pressure Switch Check

Check the continuity between the terminals of oil pressure switch and body ground.

	Oil pressure kPa (kg/cm ² , psi)	Continuity
Engine start	More than 10 - 20 (0.1 - 0.2, 1.4 - 2.8)	NO
Engine stop	Less than 10 - 20 (0.1 - 0.2, 1.4 - 2.8)	YES

WARNING LAMPS AND BUZZER

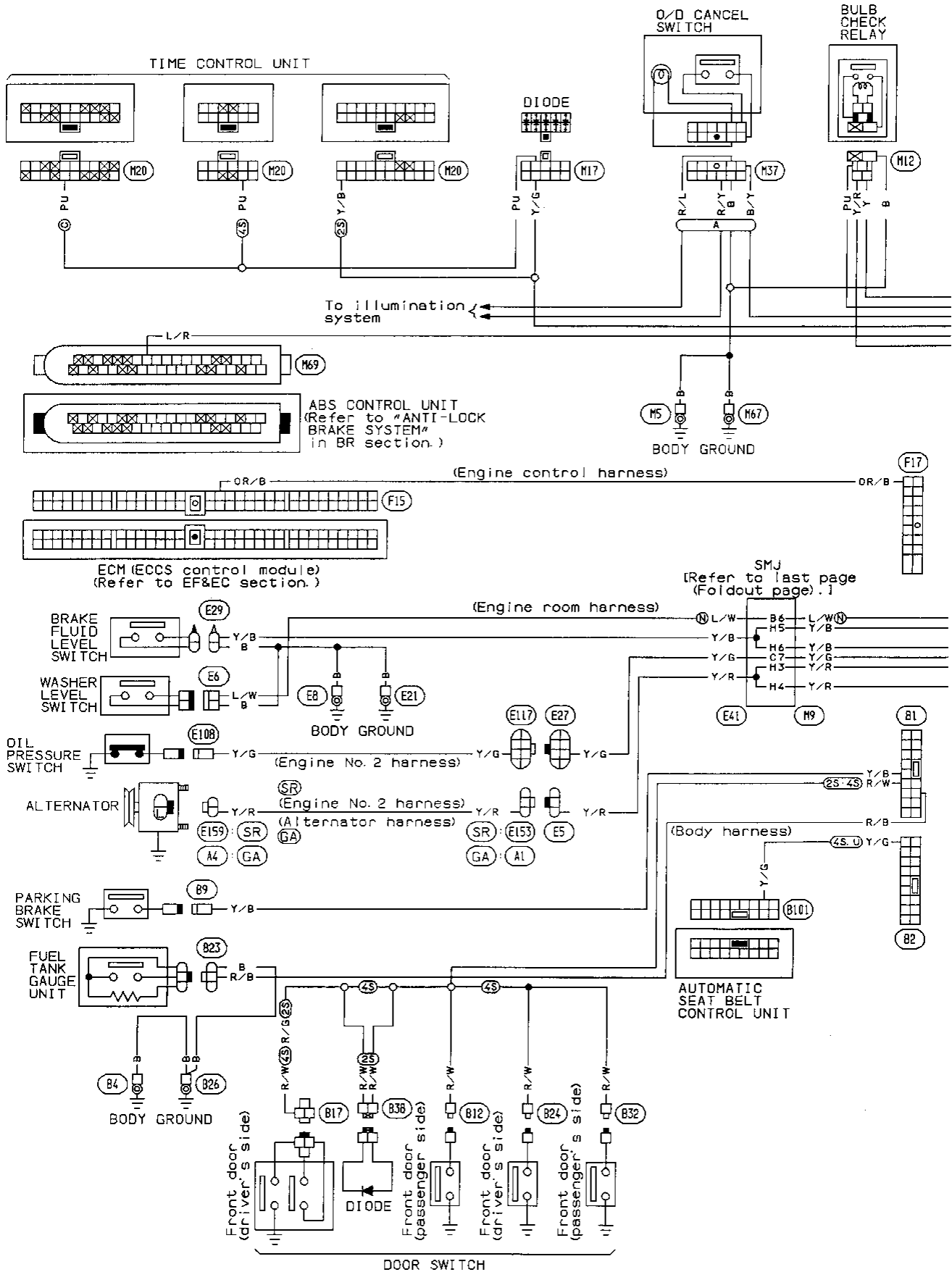
Warning Lamp/Schematic



GI
MA
EM
LC
EF &
EC
FE
CL
MT
AT
FA
RA
BR
ST
BF
HA
EL
IDX

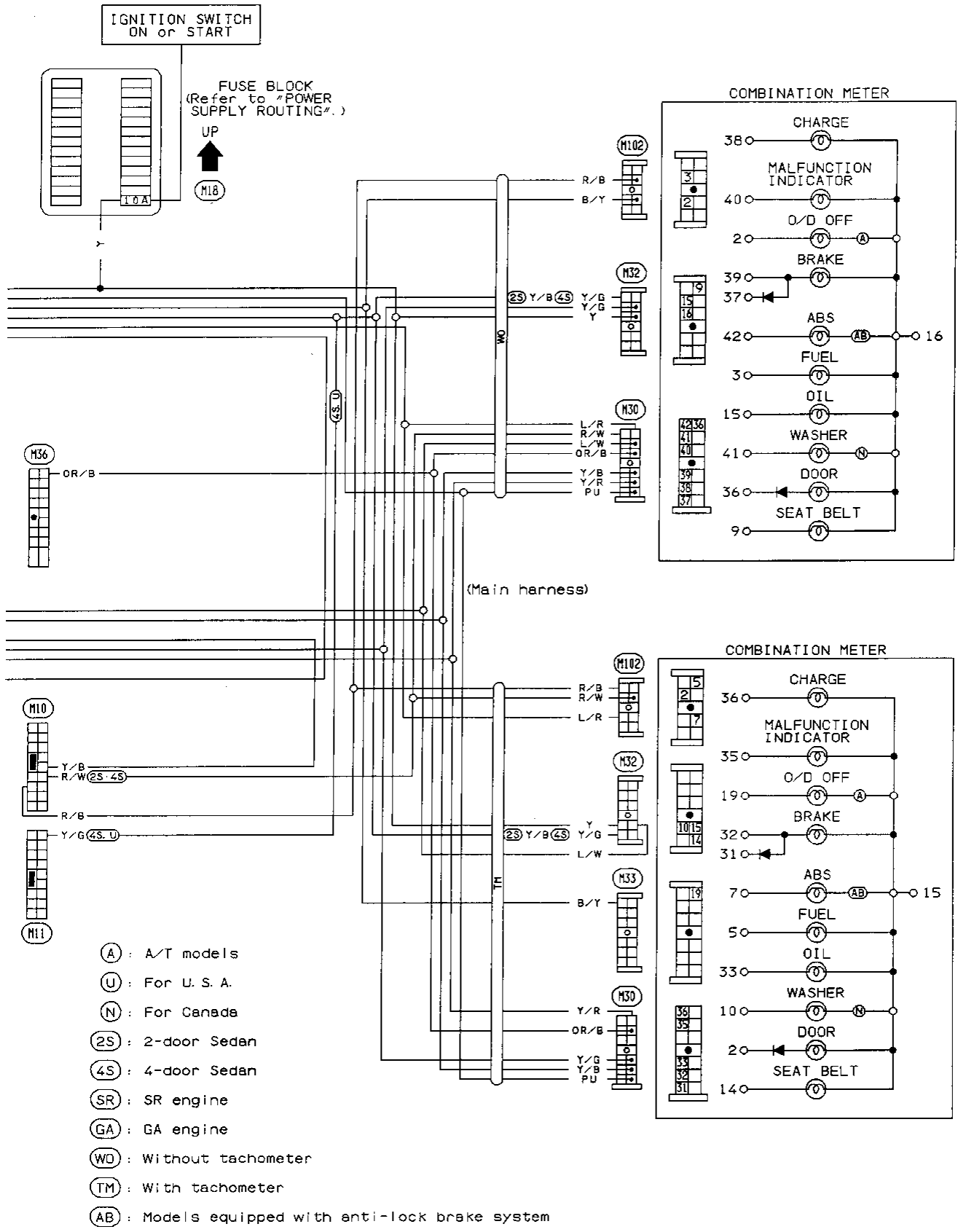
WARNING LAMPS AND BUZZER

Warning Lamp/Wiring Diagram



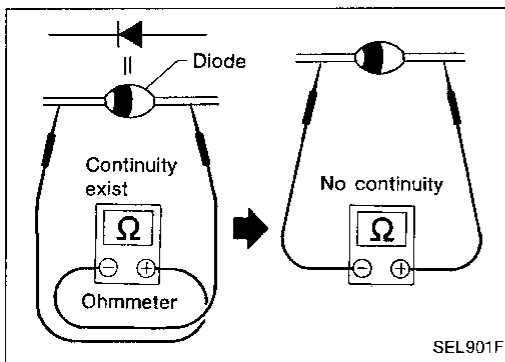
WARNING LAMPS AND BUZZER

Warning Lamp/Wiring Diagram (Cont'd)



GI
MA
EM
LC
EF & EC
FE
CL
MT
AT
FA
RA
BR
ST
BF
HA
EL
IDX

WARNING LAMPS AND BUZZER



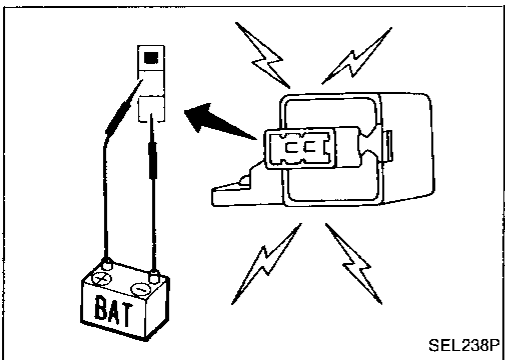
Diode Check

- Check continuity using an ohmmeter.
- Diode is functioning properly if test results are as shown in the figure at left.

NOTE: Specifications may vary depending on the type of tester. Before performing this inspection, be sure to refer to the instruction manual of your tester.

- Diodes for warning lamps are built into the combination meter printed circuit.

Refer to “Combination Meter” (EL-38).



Warning Buzzer Check

TIME CONTROL SYSTEM

Description

FUNCTION

- Time control unit has the following functions.

Item	Item	Details of control
1	Light warning chime timer	When driver's door is opened with light switch ON and ignition switch OFF, warning chime sounds.
2	Ignition key warning buzzer timer	When driver's door is opened with ignition switch OFF, warning buzzer sounds.
*3	Seat belt warning buzzer timer	Sounds warning buzzer for about 7 seconds if ignition switch is turned "ON" when seat belt switch is "ON" (seat belt is unfastened).
*4	Seat belt warning lamp timer	Seat belt warning lamp blinks for about 7 seconds when ignition switch is turned to "ON".
5	Rear defogger timer	Rear defogger operates for about 15 minutes when defogger switch is ON.

* For the 2-door Sedan, the time control unit also has a semi-automatic seat belt warning function. Refer to the BF section for the trouble diagnoses of the semi-automatic seat belt system.

The following ABBREVIATIONS are used in Trouble Diagnoses.

②D : For 2-door Sedan

④D : For 4-door Sedan

GI

MA

EM

IC

EF &
EC

FE

CL

MT

AT

FA

RA

BR

ST

BF

HA

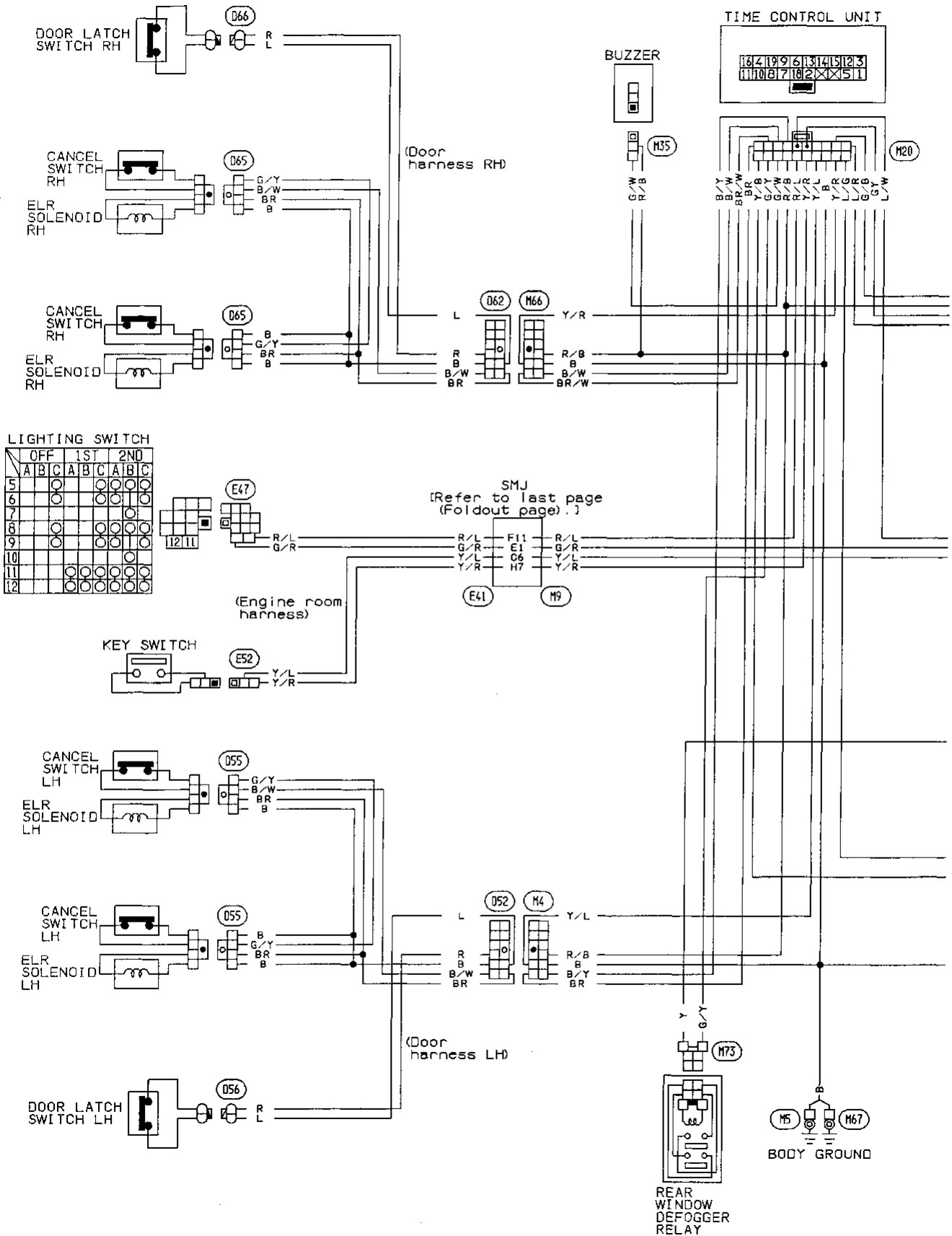
EL

IDX

TIME CONTROL SYSTEM

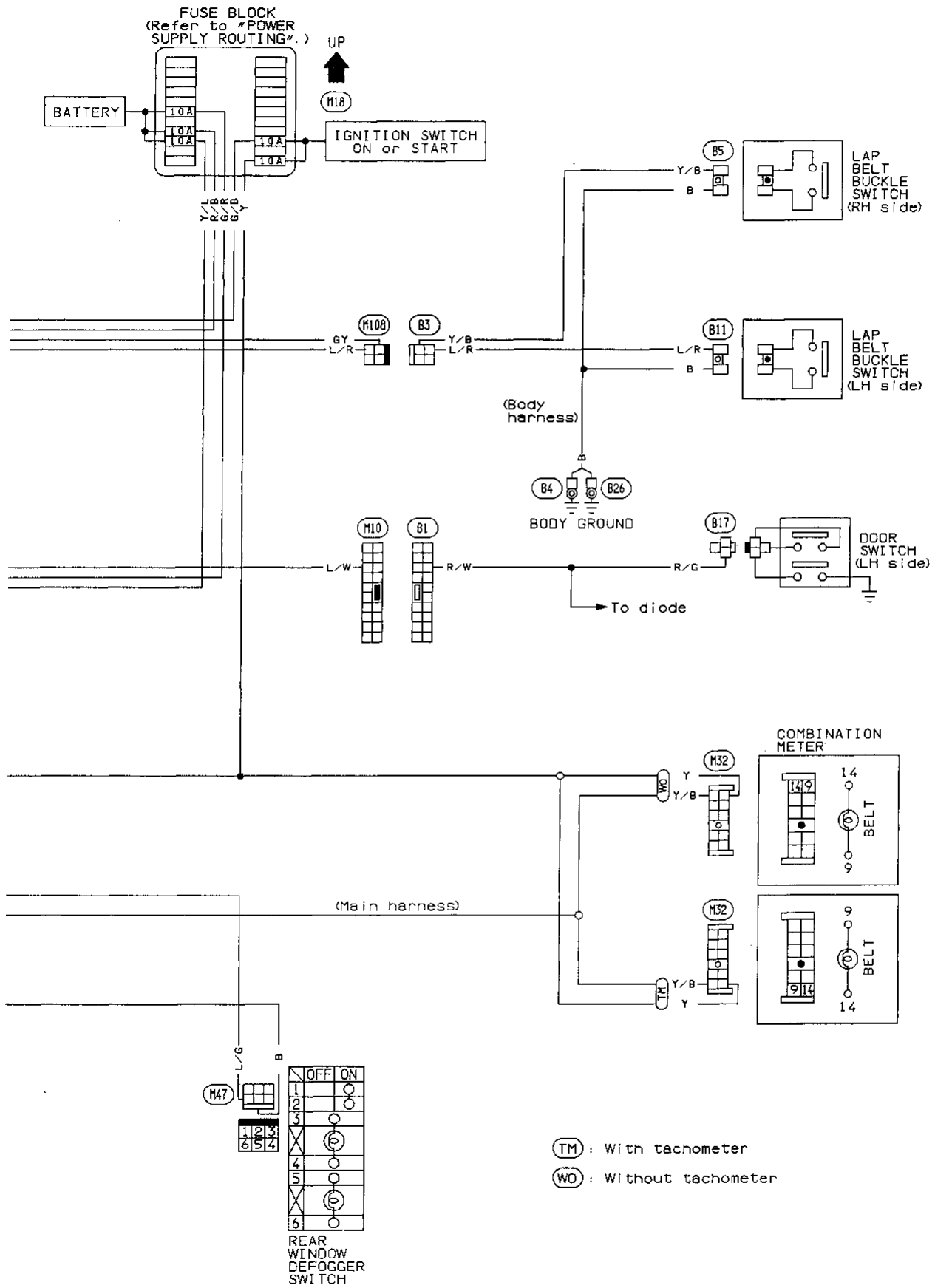
Wiring Diagram

For 2-door Sedan



TIME CONTROL SYSTEM

Wiring Diagram (Cont'd)

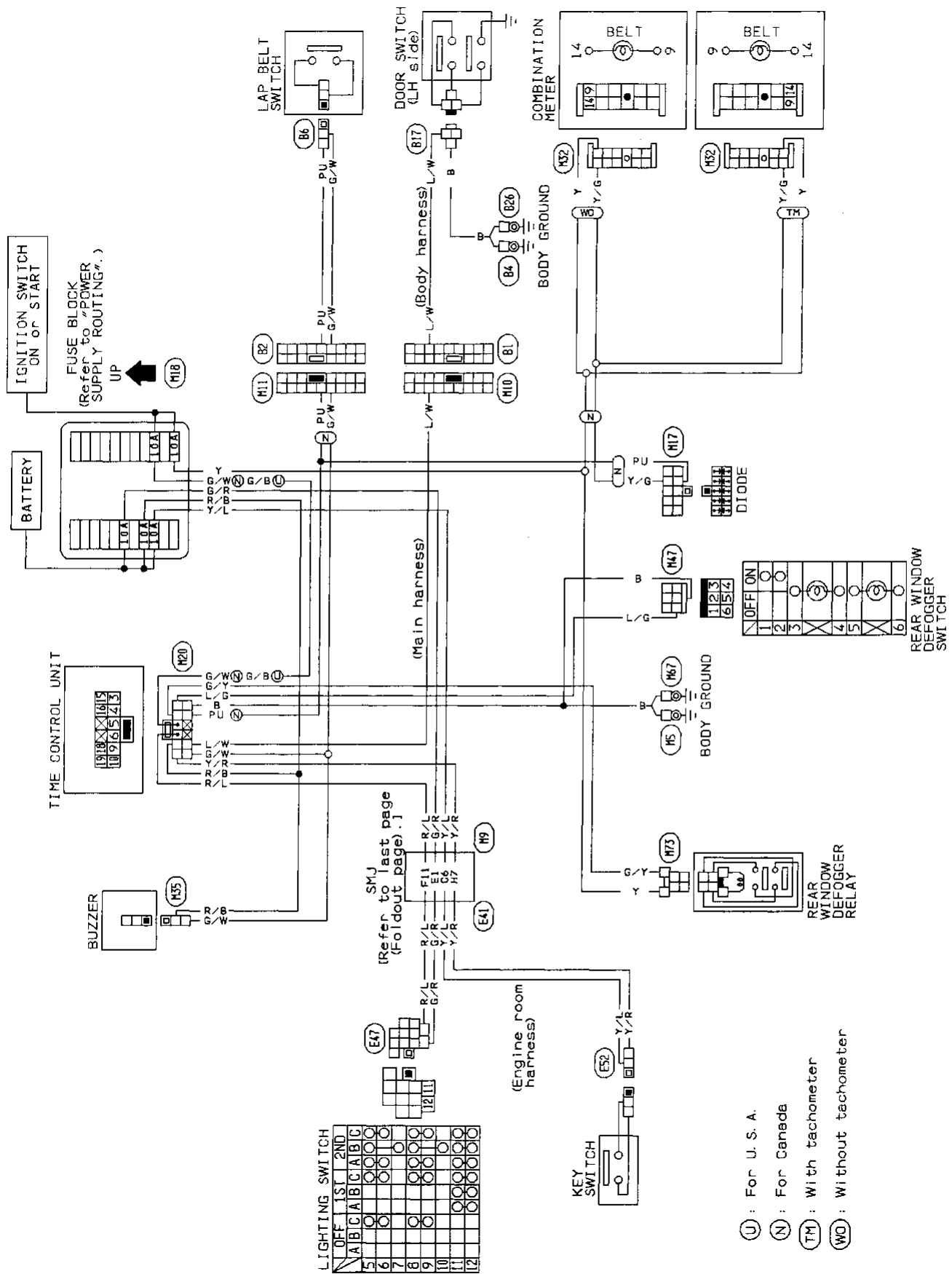


G1
 MA
 EM
 IC
 EF &
 EC
 HE
 CL
 MT
 AT
 FA
 RA
 BR
 ST
 BF
 HA
EL

IDX

TIME CONTROL SYSTEM Wiring Diagram (Cont'd)

For 4-door Sedan

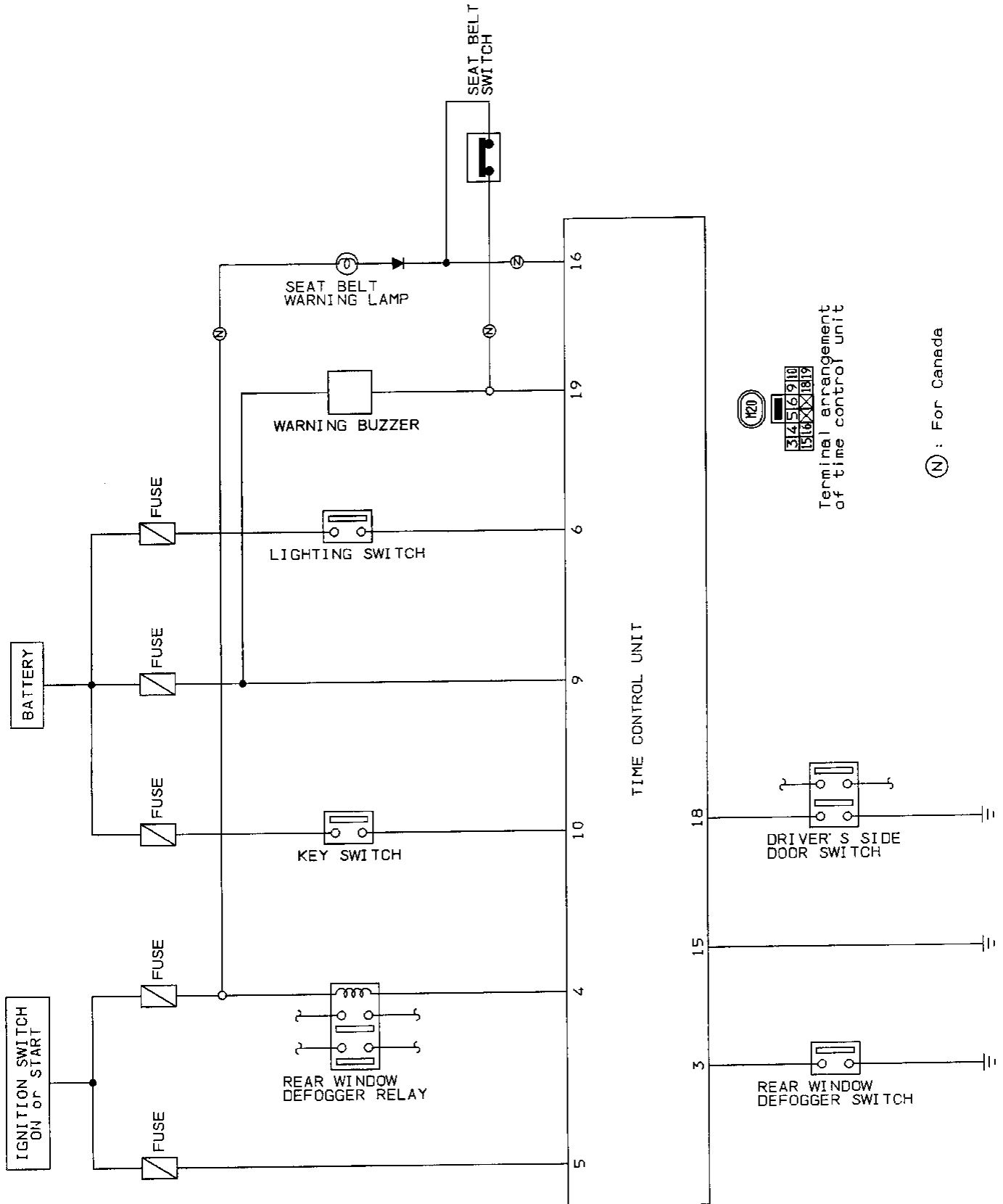


TIME CONTROL SYSTEM

Trouble Diagnoses

CIRCUIT DIAGRAM FOR QUICK PINPOINT CHECK

For 4-door Sedan

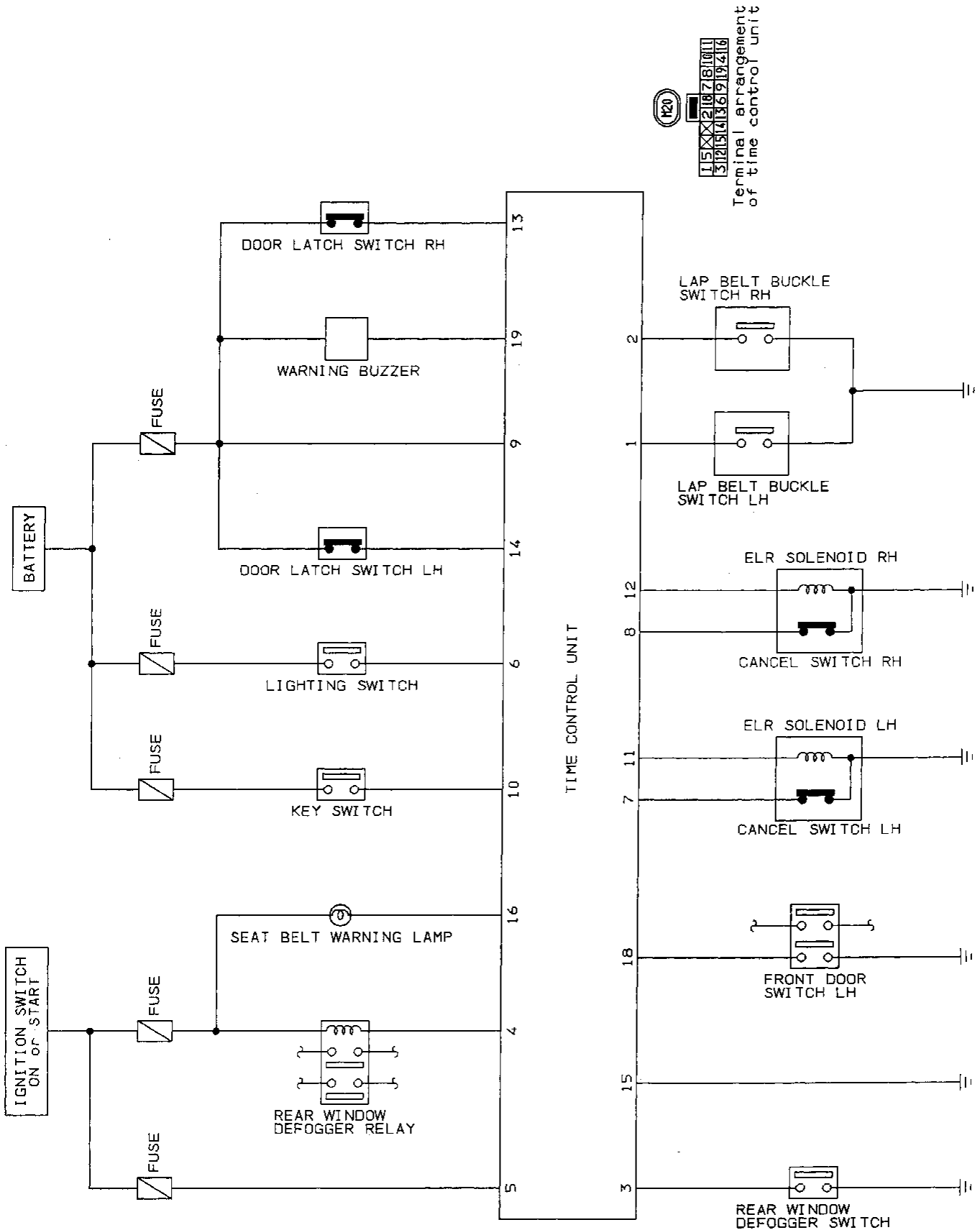


GI
MA
EW
LC
EF & EC
FE
CL
WT
AT
FA
BA
BR
ST
BF
HA
EL
DX

TIME CONTROL SYSTEM

Trouble Diagnoses (Cont'd)

For 2-door Sedan



MEL702C

TIME CONTROL SYSTEM

Trouble Diagnoses (Cont'd)

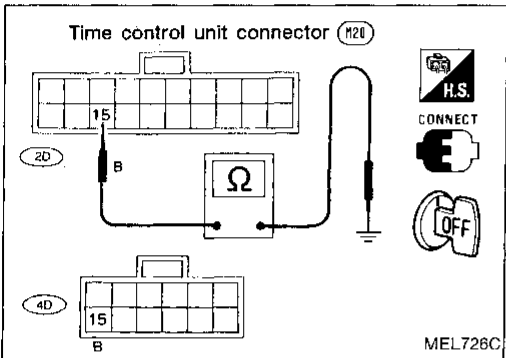
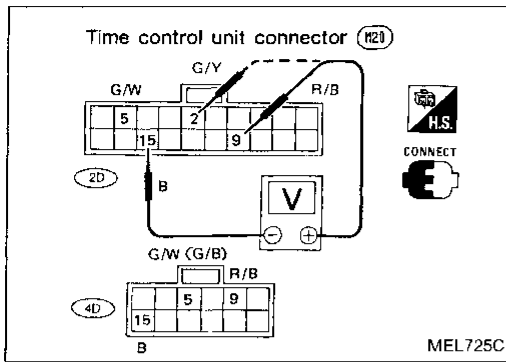
MAIN POWER SUPPLY AND GROUND CIRCUIT CHECK

Main power supply

Terminals	Battery voltage existence condition		
	Ignition switch position		
	OFF	ACC	ON
⑨ - ⑮	Yes	Yes	Yes
⑤ - ⑮	No	No	Yes
② - ⑮	No	Yes	Yes

Ground circuit

Terminals	Continuity
⑮ - Ground	Yes



GI
MA
EM
LC
EF & EC
FE
CL
WT
AT
FA
RA
BR
ST
RF
HA
EL
DX

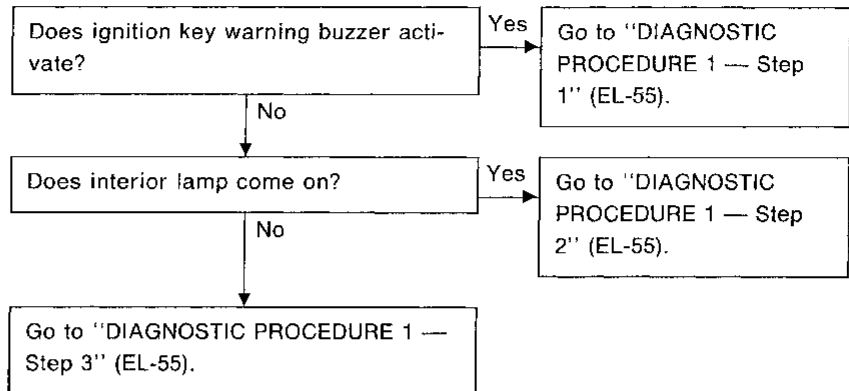
TIME CONTROL SYSTEM

Trouble Diagnoses (Cont'd)

PRELIMINARY CHECK

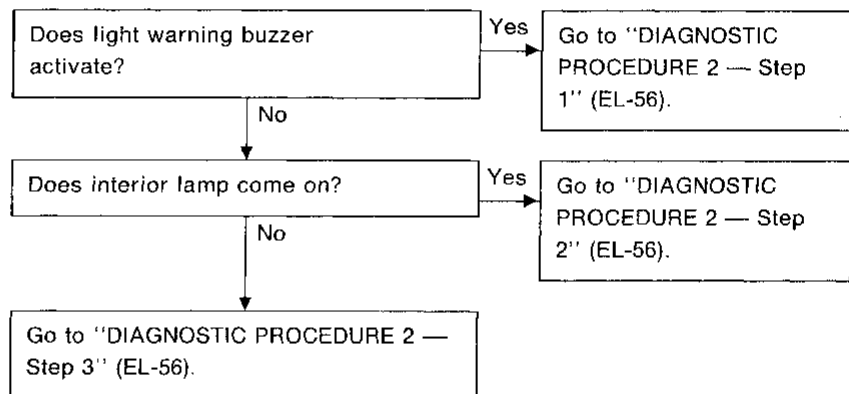
Preliminary check 1

- Light warning buzzer does not activate.



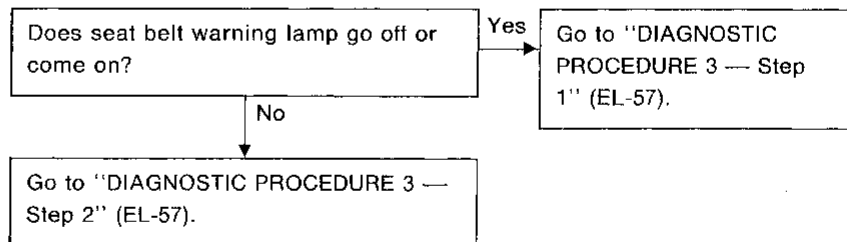
Preliminary check 2

- Ignition key warning buzzer does not activate.



Preliminary check 3

- Seat belt warning buzzer does not activate.



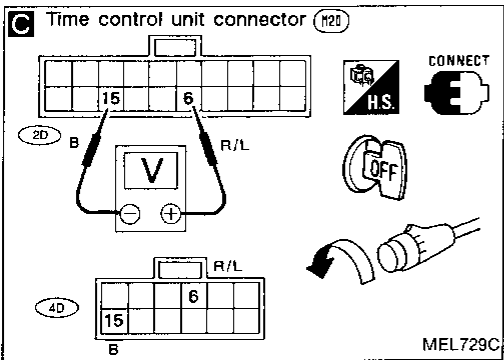
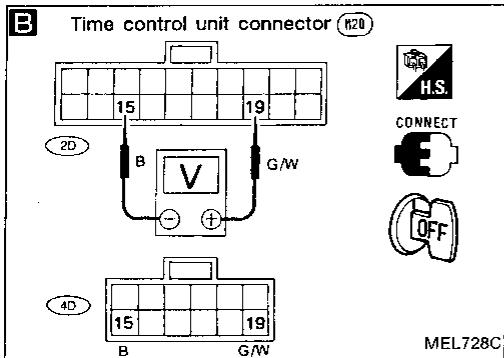
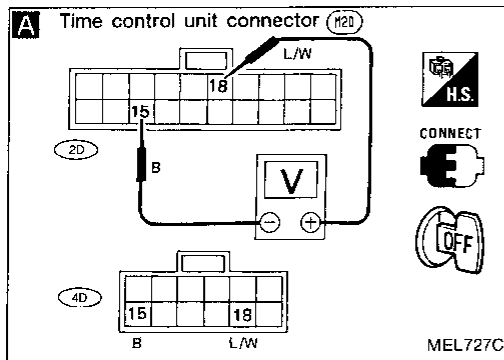
TIME CONTROL SYSTEM

Trouble Diagnoses (Cont'd)

DIAGNOSTIC PROCEDURE 1

SYMPTOM: Light warning buzzer does not activate.

- Perform "PRELIMINARY CHECK — Procedure 1" before referring to the following flow chart.



A Step 3

DOOR SWITCH INPUT SIGNAL CHECK
Measure voltage between control unit harness terminals ⑱ and ⑮.

Condition of driver's door	Voltage [V]
Door is closed	Approx. 12
Door is open	0

NG → Check door switch. Check harness continuity between TCU and door switch.

B Step 2

BUZZER OUTPUT SIGNAL CHECK
Measure voltage between control unit harness terminals ⑲ and ⑮.

Condition of driver's door	Voltage [V]
Door is closed	Approx. 12
Door is open	Pointer deflects intermittently

OK → Check buzzer. Check harness continuity between TCU and buzzer.

NG →

C Step 1

LIGHT SWITCH INPUT SIGNAL CHECK
Measure voltage between control unit harness terminals ⑥ and ⑮.

Condition	Voltage [V]
Light switch is ON	Approx. 12
Light switch is OFF	0

NG → Check light switch. Check harness continuity between TCU and light switch.

OK →

Replace control unit.

GI

MA

EM

LC

EF & EC

FE

CL

MT

AT

FA

RA

BR

ST

BF

HA

EL

IDX

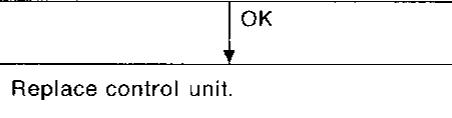
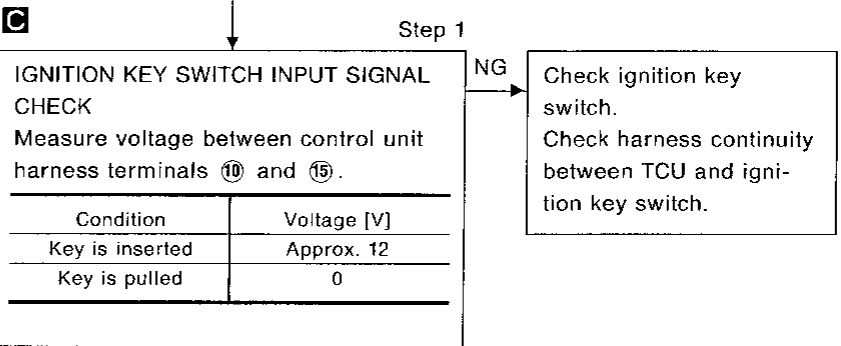
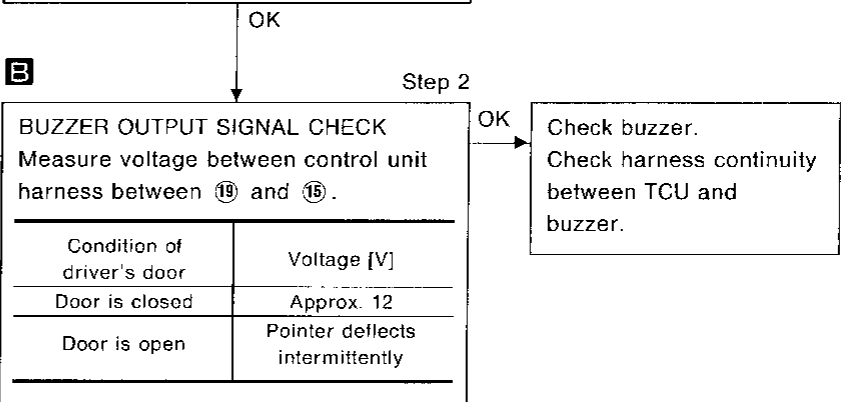
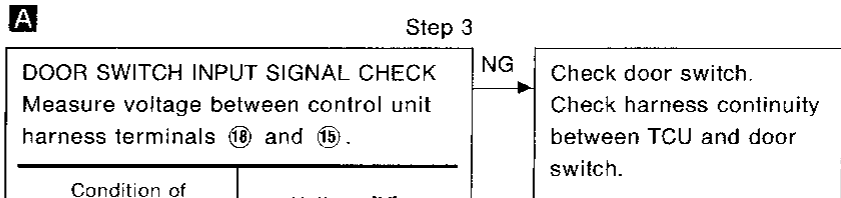
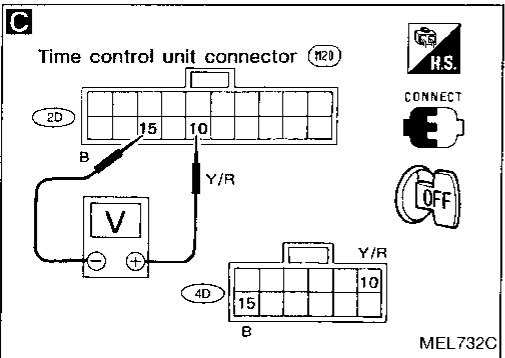
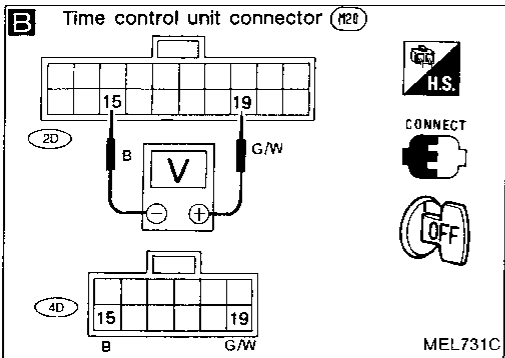
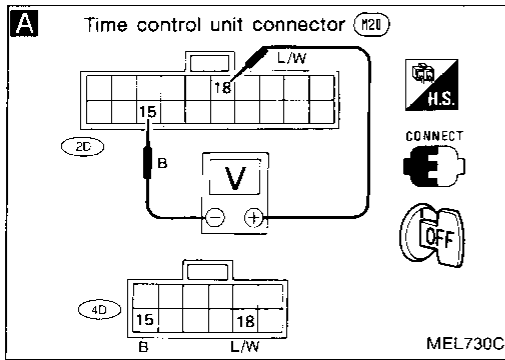
TIME CONTROL SYSTEM

Trouble Diagnoses (Cont'd)

DIAGNOSTIC PROCEDURE 2

SYMPTOM: Ignition key warning buzzer does not activate.

- Perform "PRELIMINARY CHECK — Procedure 2" before referring to the following flow chart.



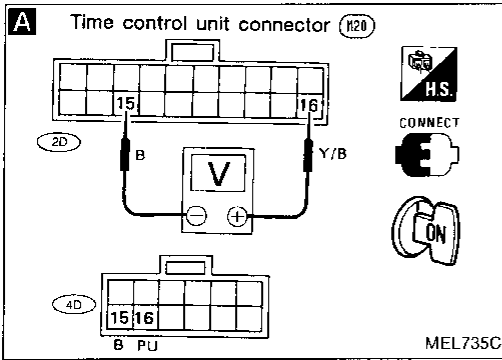
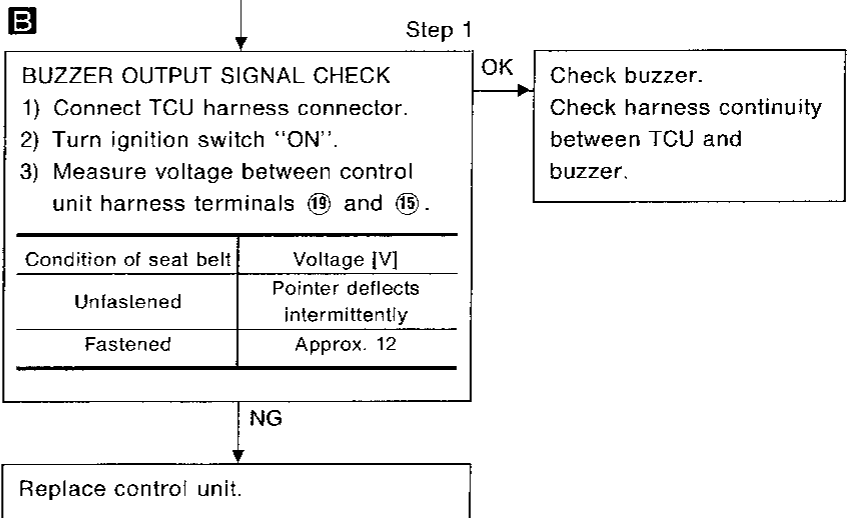
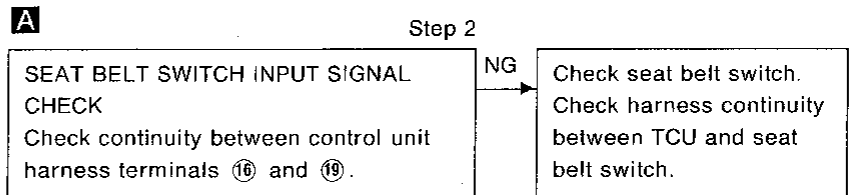
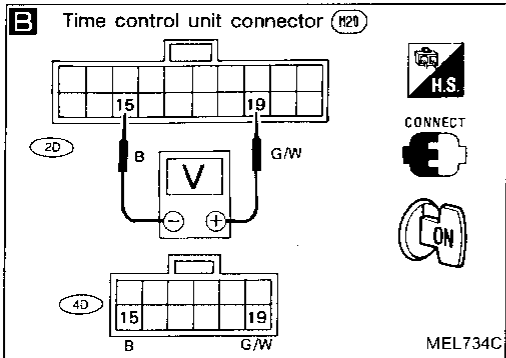
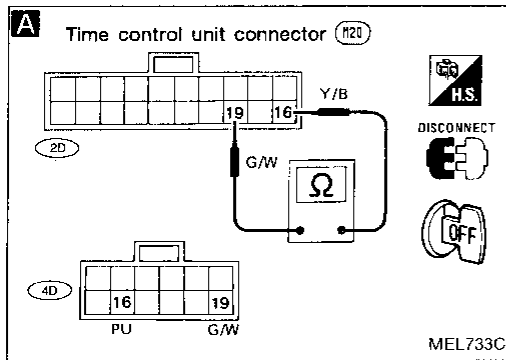
TIME CONTROL SYSTEM

Trouble Diagnoses (Cont'd)

DIAGNOSTIC PROCEDURE 3

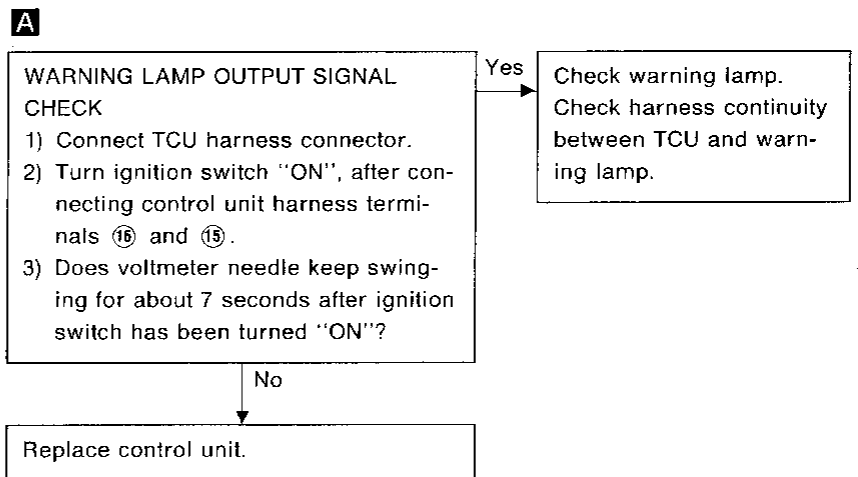
SYMPTOM: Seat belt warning buzzer does not activate.

- Perform "PRELIMINARY CHECK — Procedure 3" before referring to the following flow chart.



DIAGNOSTIC PROCEDURE 4

SYMPTOM: Seat belt warning lamp does not come on, or does not go off after coming on.



GI

MA

EV

LC

EF & EC

FE

CL

MT

AT

FA

RA

BR

ST

BF

HA

EL

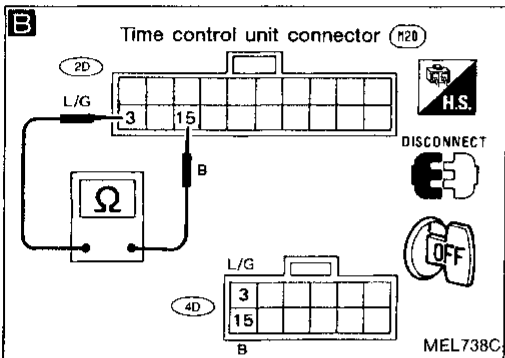
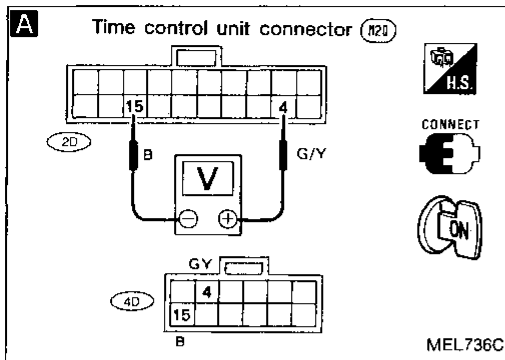
IDX

TIME CONTROL SYSTEM

Trouble Diagnoses (Cont'd)

DIAGNOSTIC PROCEDURE 5

SYMPTOM: Rear defogger does not activate, or does not go off after activating.



A

REAR WINDOW DEFOGGER OUTPUT SIGNAL CHECK
Measure voltage between control unit harness terminals ④ and ⑮.

Condition of defogger switch	Voltage [V]
Defogger switch is "OFF"	Approx. 12
Defogger switch is "ON"	0

OK → Check rear window defogger relay.
Check rear window defogger circuit.

NG

B

REAR WINDOW DEFOGGER SWITCH INPUT SIGNAL CHECK
1) Disconnect TCU harness connector.
2) Check continuity between control unit harness terminals ③ and ⑮.

Condition of defogger switch	Continuity
Defogger switch is "OFF"	No
Defogger switch is "ON"	Yes

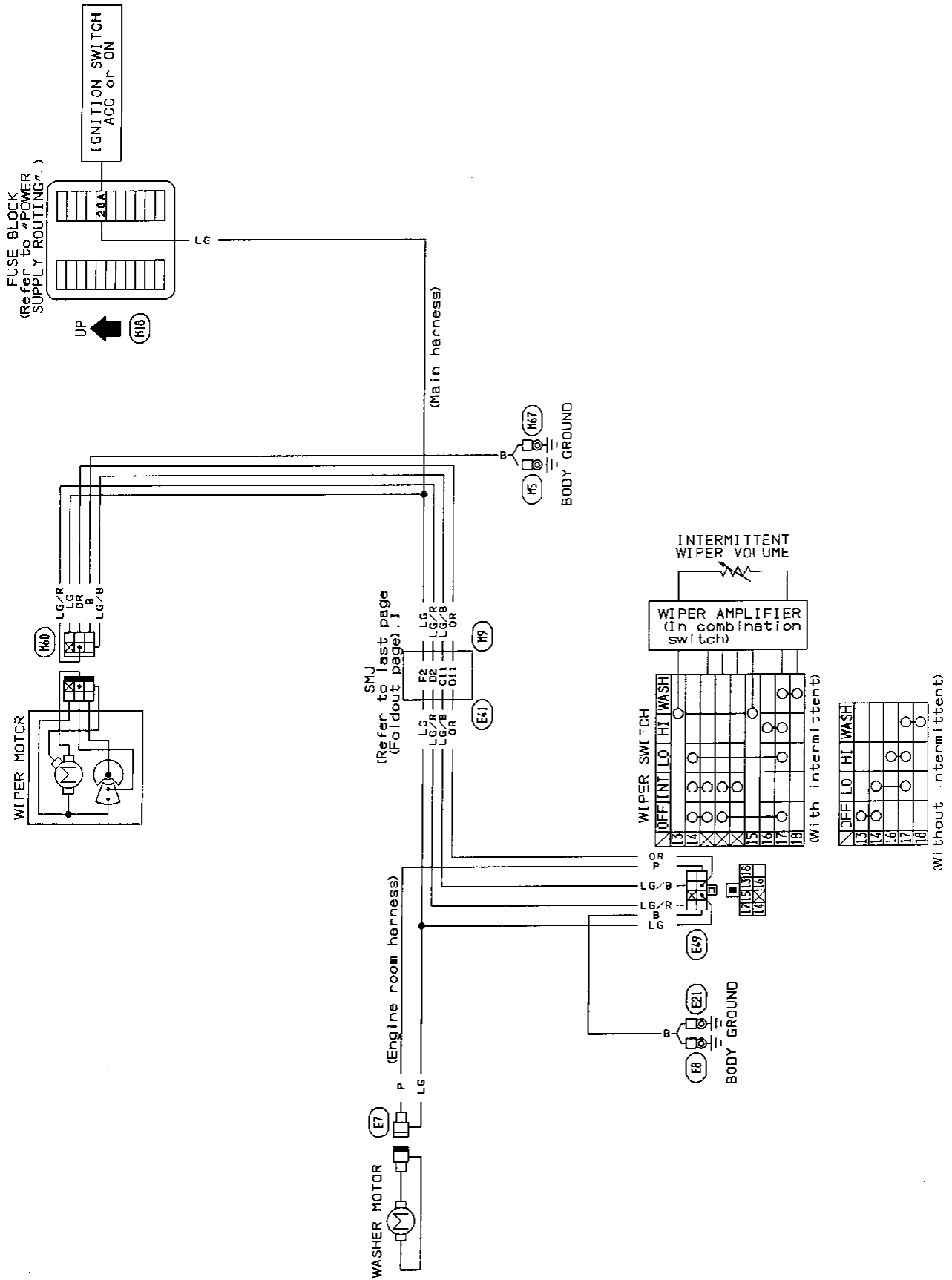
NG → Check rear window defogger switch.
Check harness continuity between TCU and rear window defogger switch.

OK

Replace control unit.

WIPER AND WASHER

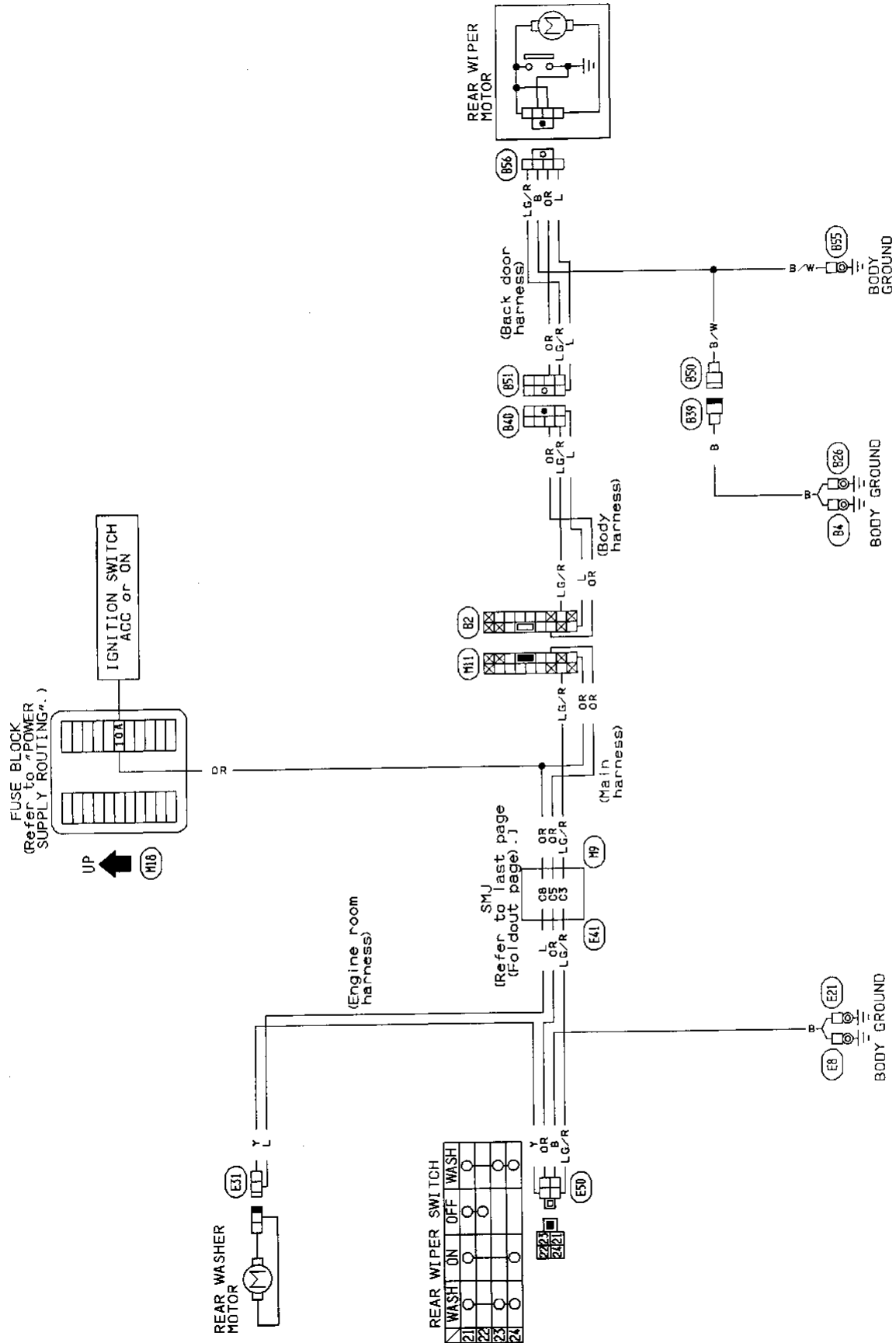
Front Wiper and Washer/Wiring Diagram



- GI
- MA
- EW
- LC
- EF & EC
- FE
- CL
- MT
- AT
- FA
- RA
- BR
- ST
- BF
- HA
- EL**
- IDX

WIPER AND WASHER

Rear Wiper and Washer/Wiring Diagram



Installation

1. Prior to wiper arm installation, turn on wiper switch to operate wiper motor and then turn it "OFF" (Auto Stop).
2. Lift the blade up and then set it down onto glass surface to set the blade center to clearance "A", "B", or "C" immediately before tightening nut.
3. Eject washer fluid. Turn on wiper switch to operate wiper motor and then turn it "OFF".
4. Ensure that wiper blades stop within clearance "A", "B", or "C".

Clearance "A":


25 - 35 mm (0.98 - 1.38 in)

Clearance "B":

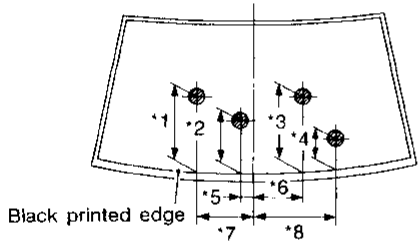
20 - 30 mm (0.79 - 1.18 in)

- Tighten wiper arm nuts to specified torque.

Front wiper:

: 17 - 23 N·m (1.7 - 2.3 kg-m, 12 - 17 ft-lb)

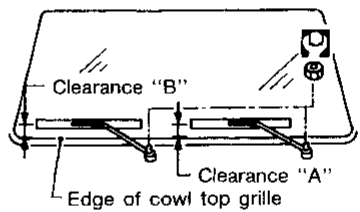
Front wiper and washer



Black printed edge

Unit: mm (in)

*1: 340 (13.39)
 *2: 155 (6.10)
 *3: 300 (11.81)
 *4: 115 (4.53)
 *5: 130 (5.12)
 *6: 160 (6.30)
 *7: 310 (12.20)
 *8: 400 (15.75)



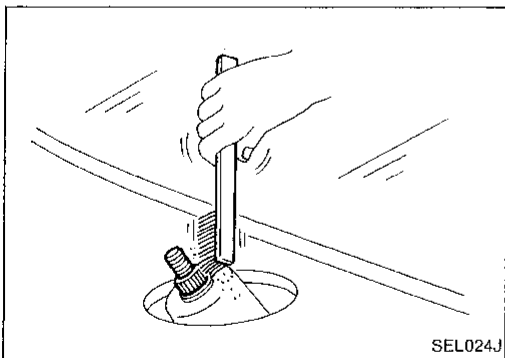
Clearance "B"

Clearance "A"

Edge of cowl top grille

All the diameters of these circles are less than 80 (3.15).

MEL336AA



- Before reinstalling wiper arm, clean up the pivot area as illustrated. This will reduce possibility of wiper arm looseness.

GI

MA

EM

LC

EF &

EC

FE

CL

MT

AT

FA

RA

BR

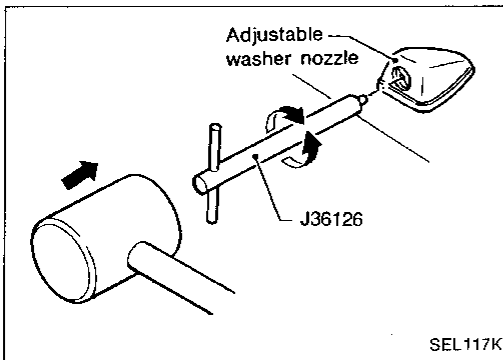
ST

BF

HA

EL

IDX

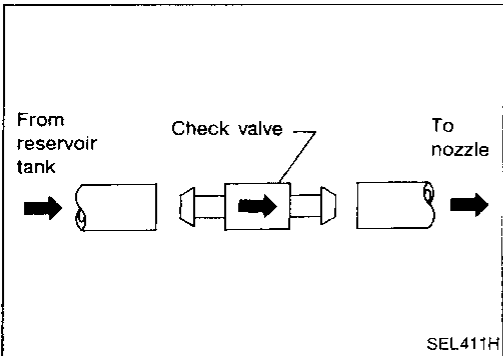


Washer Nozzle Adjustment

- Using Tool J36126, adjust windshield washer nozzle to correct its spray pattern.

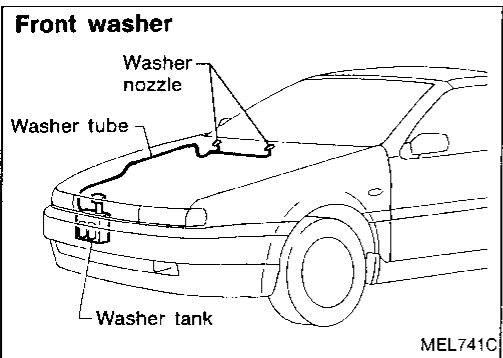
Before attempting to turn the nozzle, gently tap the end of the Tool to free the nozzle.

This will prevent "rounding out" the small female square in the center of the nozzle.

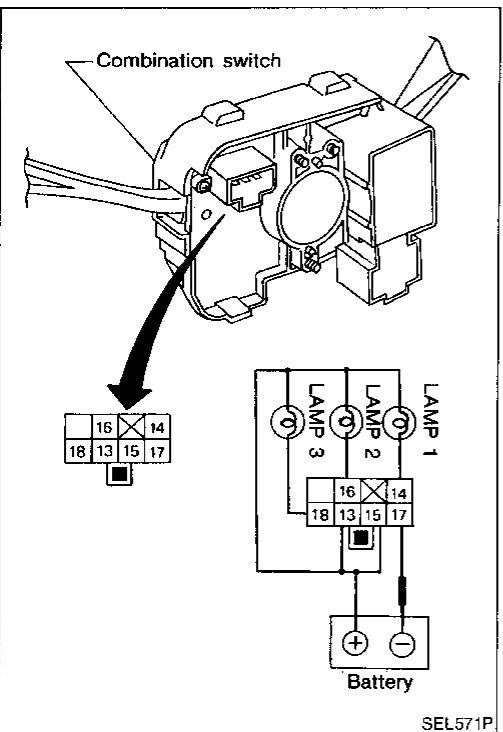


Check Valve

- A check valve is provided in the washer fluid line. Be careful not to connect check valve to washer tube in the wrong direction.



Washer Tube Layout



Wiper Amplifier Check

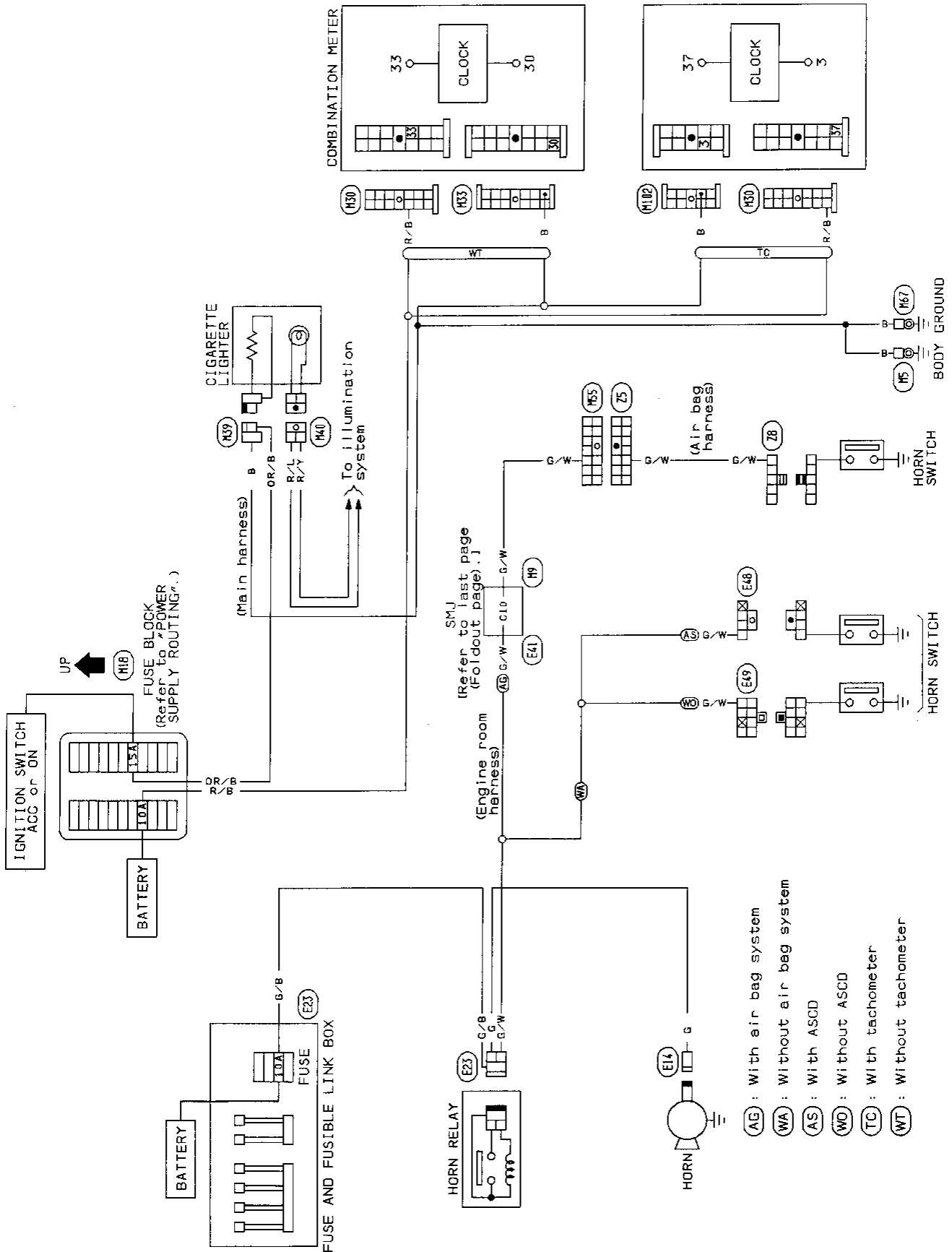
- Connect as shown in the figure at left.
- If test lamp comes on when connected to terminal ⑰ and battery ground, wiper switch and amplifier is normal.

Wiper switch position	Test lamp		
	1	2	3
OFF	—	—	—
INT or LO	○	—	—
HI	—	○	—
WASH	○	—	○

○: Lamp "ON". —: Lamp "OFF"

HORN, CIGARETTE LIGHTER AND CLOCK

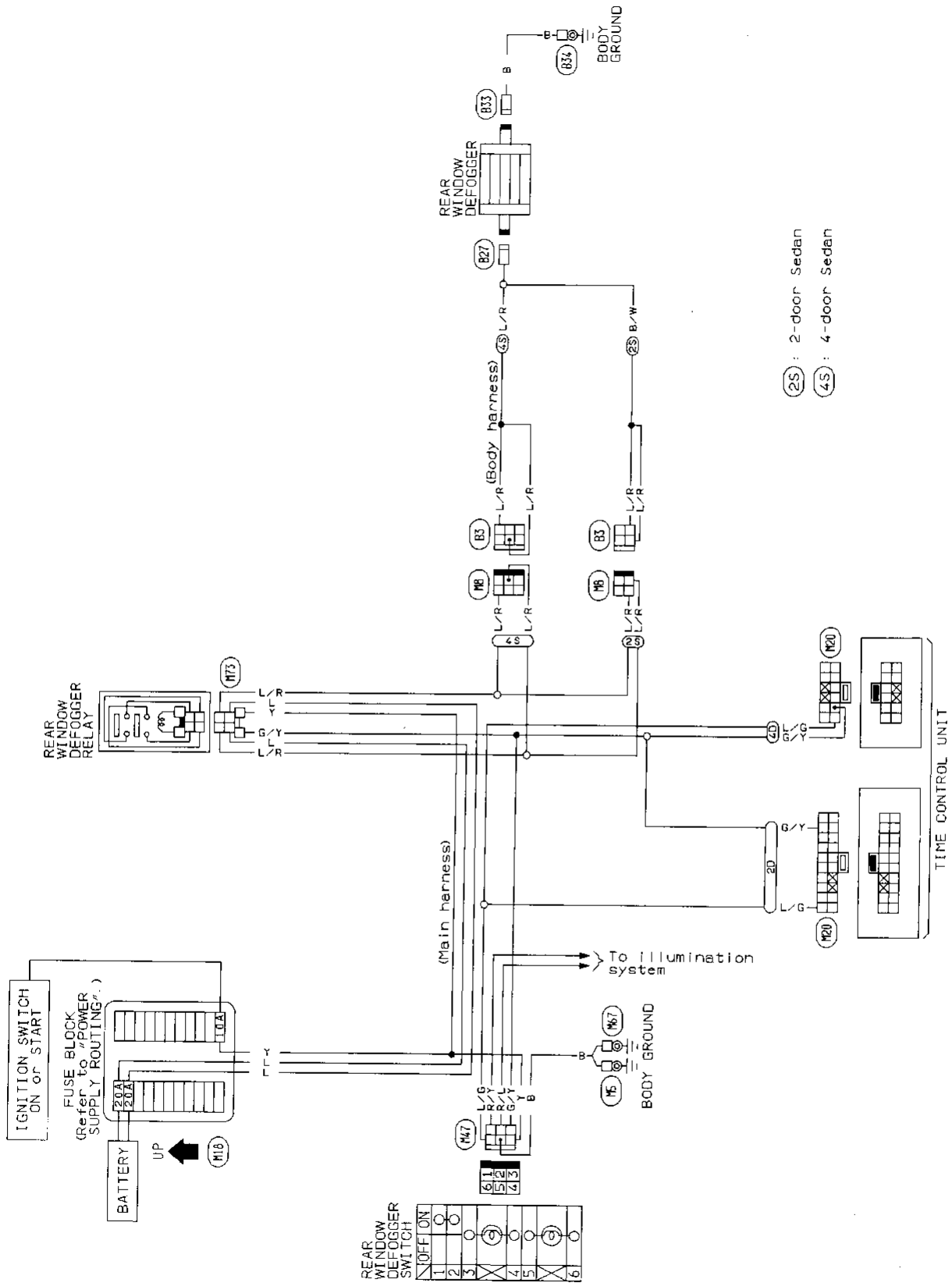
Wiring Diagram



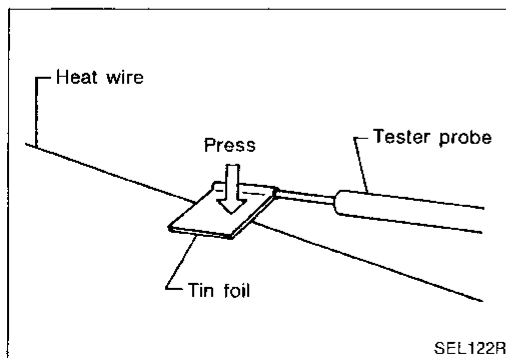
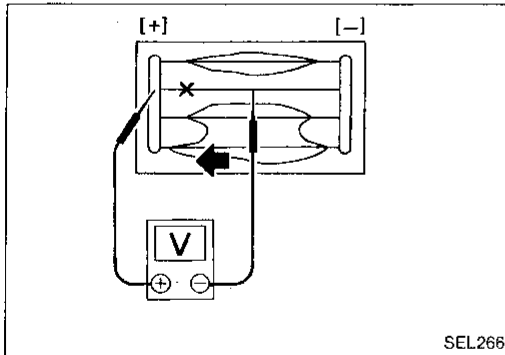
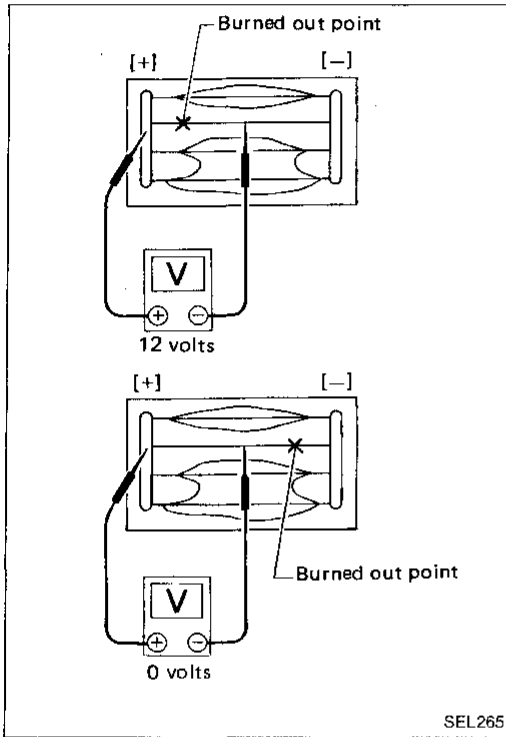
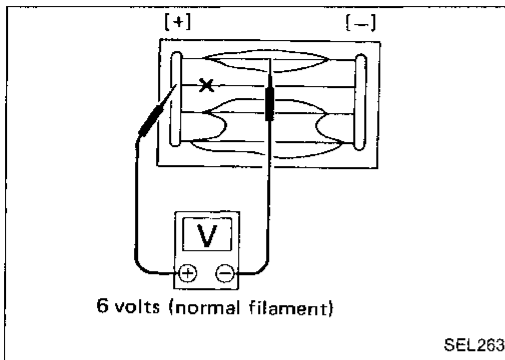
GJ
 MA
 EM
 LC
 EF
 EC
 FE
 CL
 MT
 AT
 FA
 RA
 BR
 ST
 BF
 HA
EL
 DX

REAR WINDOW DEFOGGER

Wiring Diagram



REAR WINDOW DEFOGGER



Filament Check

1. Attach probe circuit tester (in volt range) to middle portion of each filament.

2. If a filament is burned out, circuit tester registers 0 or 12 volts.

3. To locate burned out point, move probe to left and right along filament to determine point where tester needle swings abruptly.

• When measuring voltage, wind a piece of tin foil around the top of the negative probe and press the foil against the wire with your finger as shown.

GI

MA

EW

LC

EF &
EC

FE

CL

MT

AT

FA

RA

BR

ST

BF

HA

EL

IDX

REAR WINDOW DEFOGGER

Filament Repair

REPAIR EQUIPMENT

1. Conductive silver composition (Dupont No. 4817 or equivalent)
2. Ruler 30 cm (11.8 in) long
3. Drawing pen
4. Heat gun
5. Alcohol
6. Cloth

REPAIRING PROCEDURE

1. Wipe broken heat wire and its surrounding area clean with a cloth dampened in alcohol.
2. Apply a small amount of conductive silver composition to tip of drawing pen.

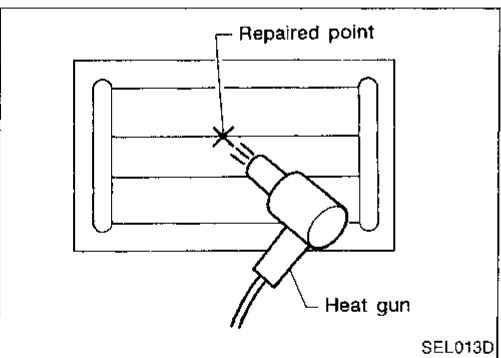
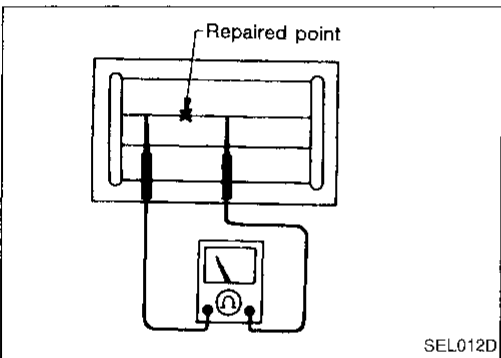
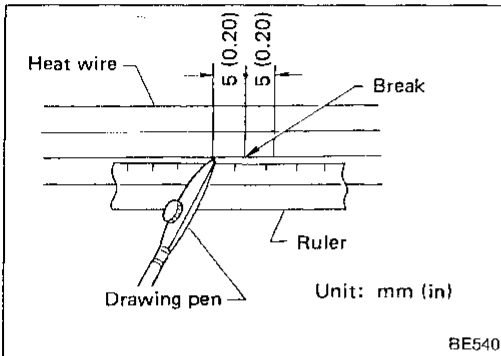
Shake silver composition container before use.

3. Place ruler on glass along broken line. Deposit conductive silver composition on break with drawing pen. Slightly overlap existing heat wire on both sides [preferably 5 mm (0.20 in)] of the break.

4. After repair has been completed, check repaired wire for continuity. This check should be conducted 10 minutes after silver composition is deposited.

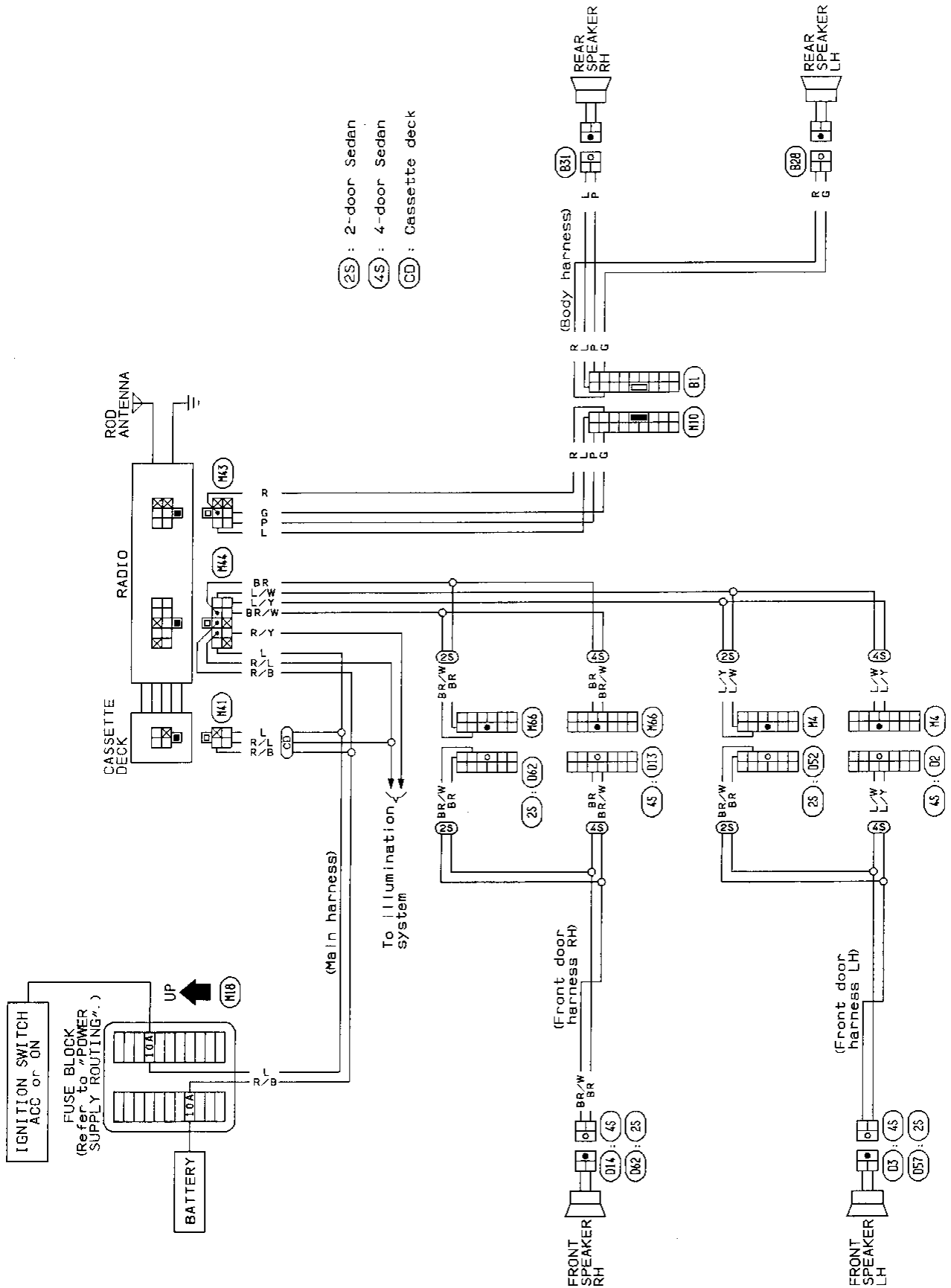
Do not touch repaired area while test is being conducted.

5. Apply a constant stream of hot air directly to the repaired area for approximately 20 minutes with a heat gun. A minimum distance of 3 cm (1.2 in) should be kept between repaired area and hot air outlet. If a heat gun is not available, let the repaired area dry for 24 hours.



AUDIO AND ANTENNA

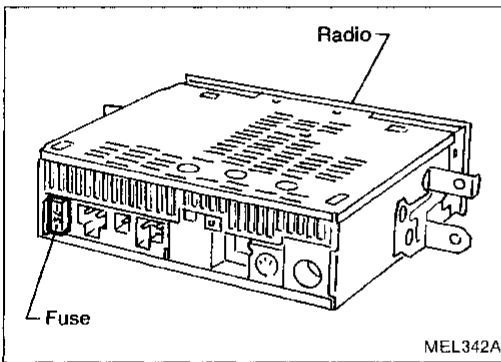
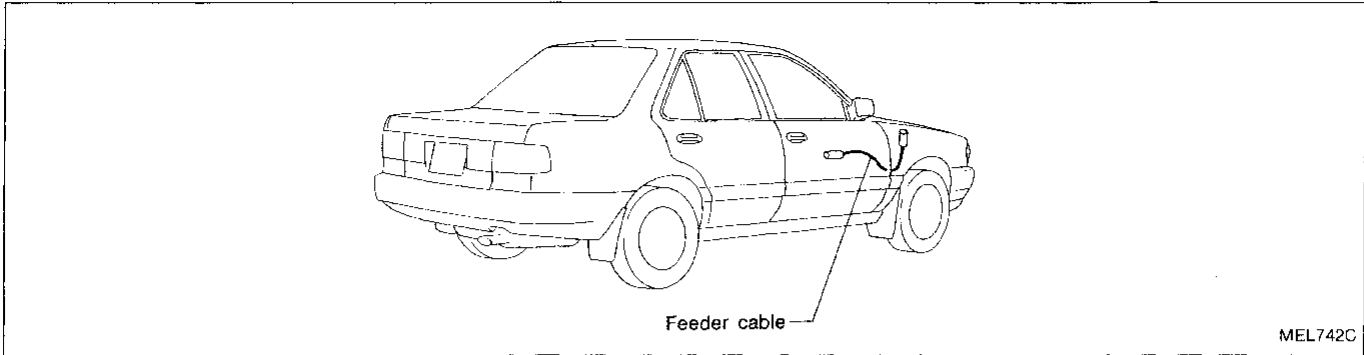
Audio/Wiring Diagram



GI
 MA
 EM
 LC
 EF & EC
 FE
 CL
 MT
 AT
 FA
 RA
 BR
 ST
 BF
 HA
EL
 IDX

AUDIO AND ANTENNA

Location of Antenna



Radio Fuse Check

Window Antenna Repair

ELEMENT CHECK

1. Attach probe circuit tester (in ohm range) to antenna terminal on each side.

GI

MA

EM

LC

EF &
EC

FE

CL

WT

AT

FA

RA

BR

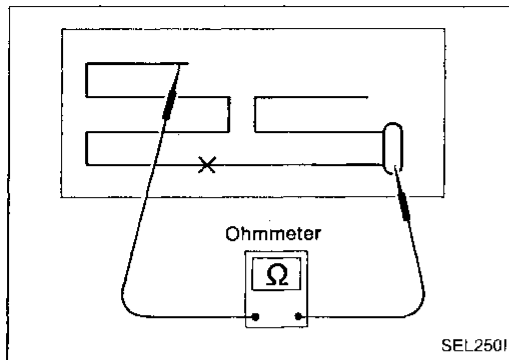
ST

BF

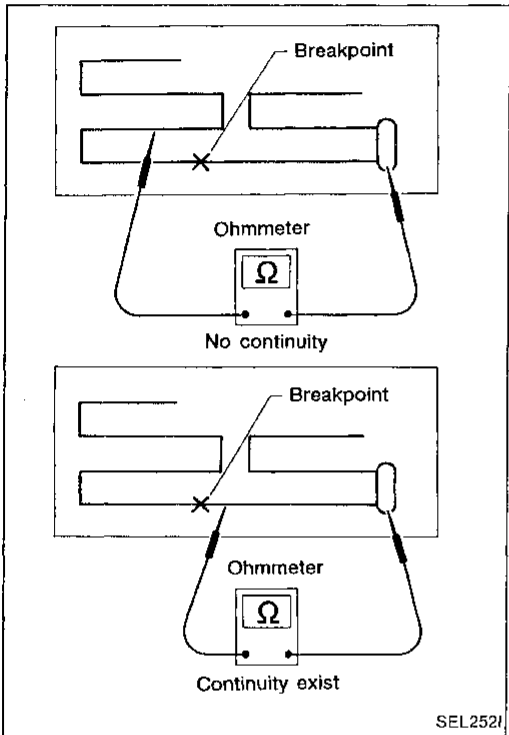
HA

EL

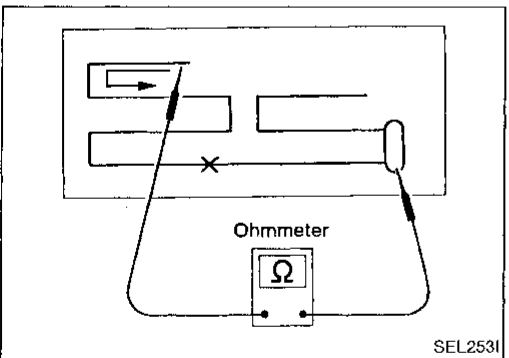
IDX



2. If an element is broken, no continuity will exist.



3. To locate broken point, move probe to left and right along element to determine point where tester needle swings abruptly.

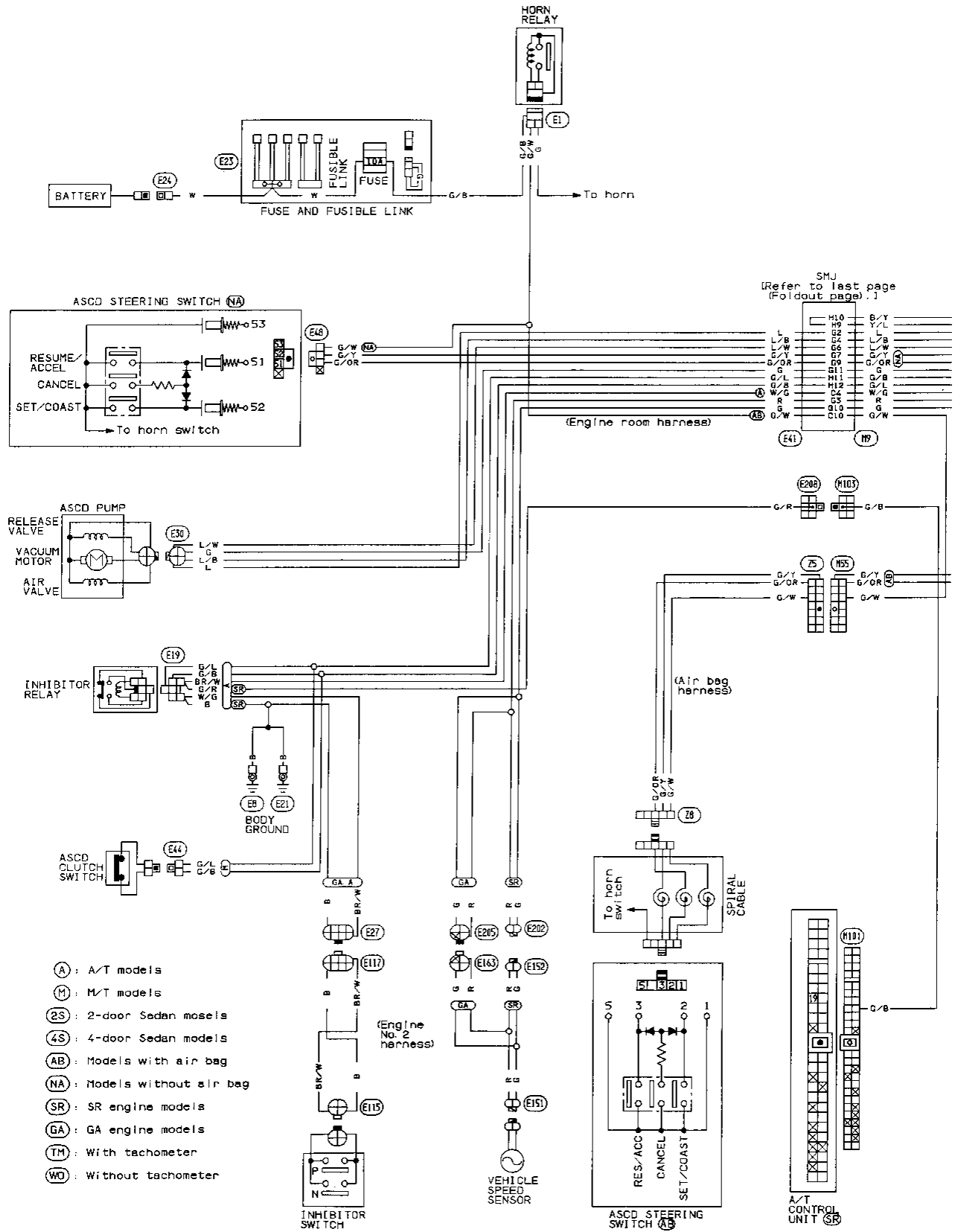


ELEMENT REPAIR

Refer to REAR WINDOW DEFOGGER "Filament Repair" (EL-66).

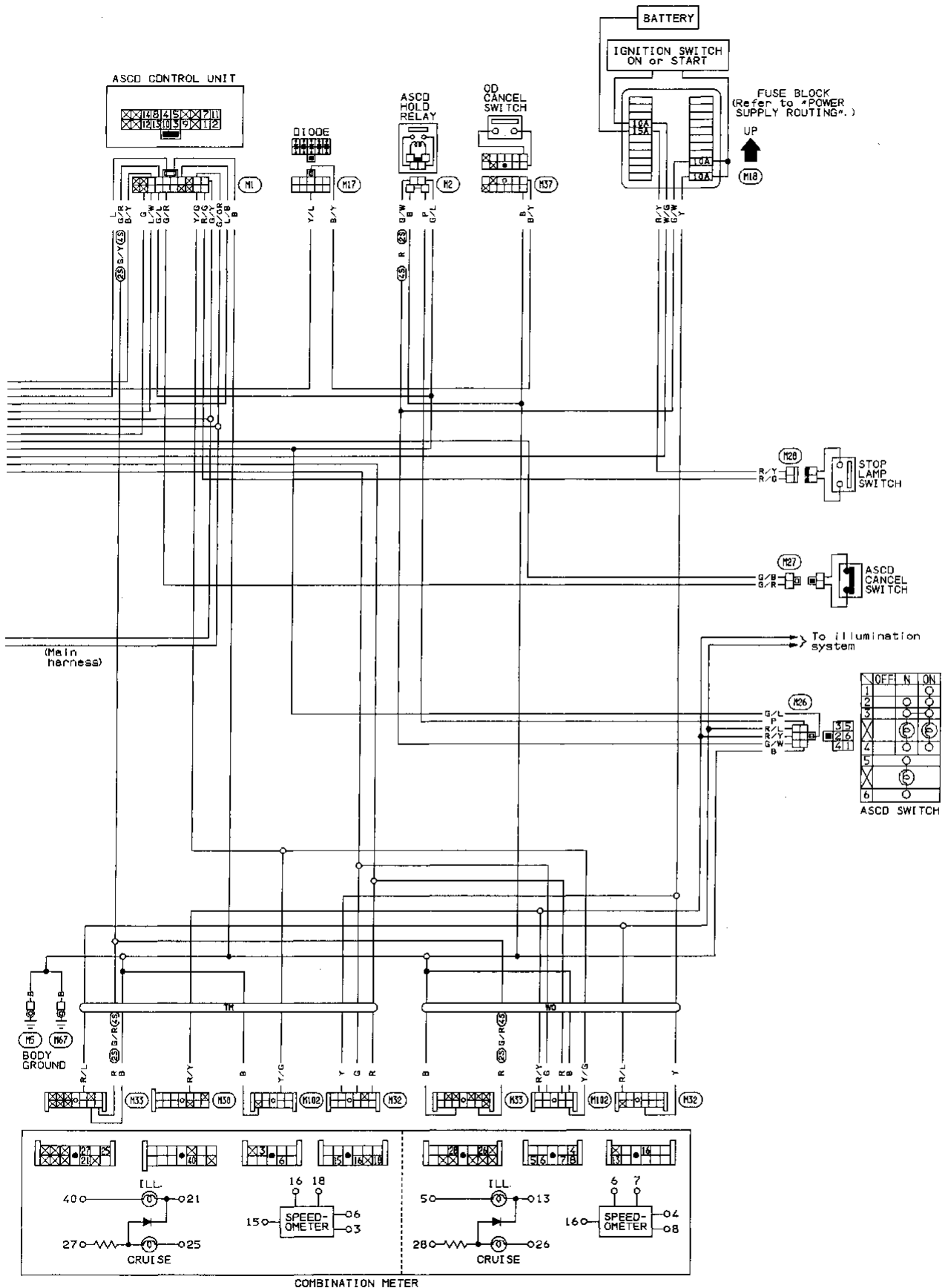
AUTOMATIC SPEED CONTROL DEVICE (ASCD) (ASCD)

Wiring Diagram



AUTOMATIC SPEED CONTROL DEVICE (ASCD)

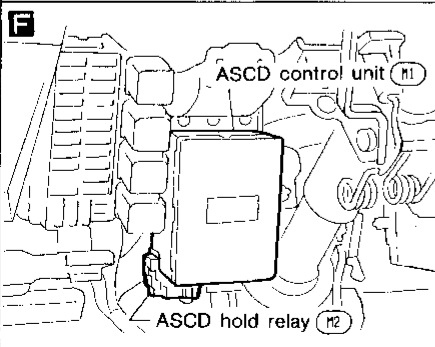
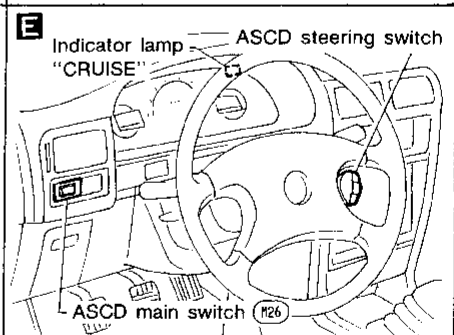
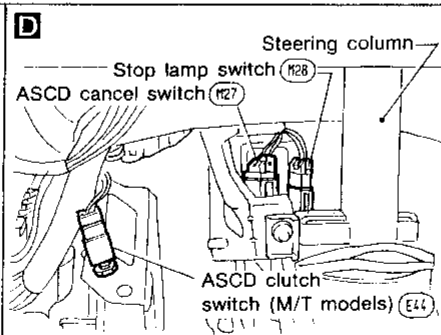
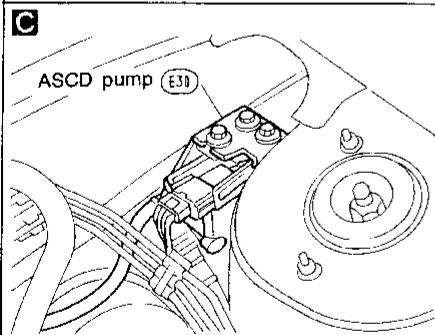
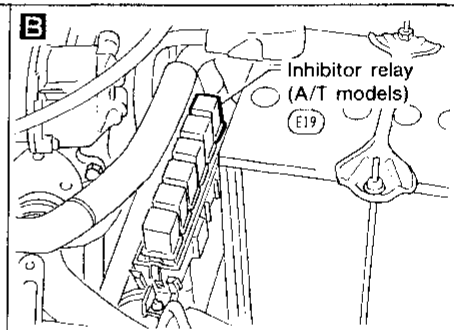
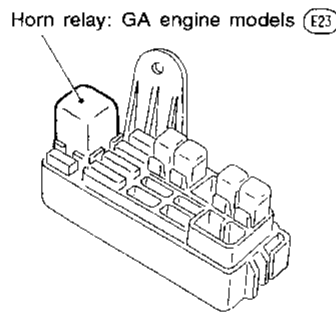
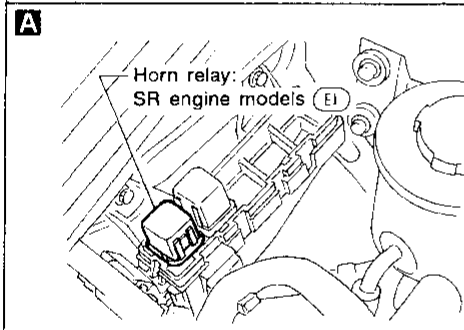
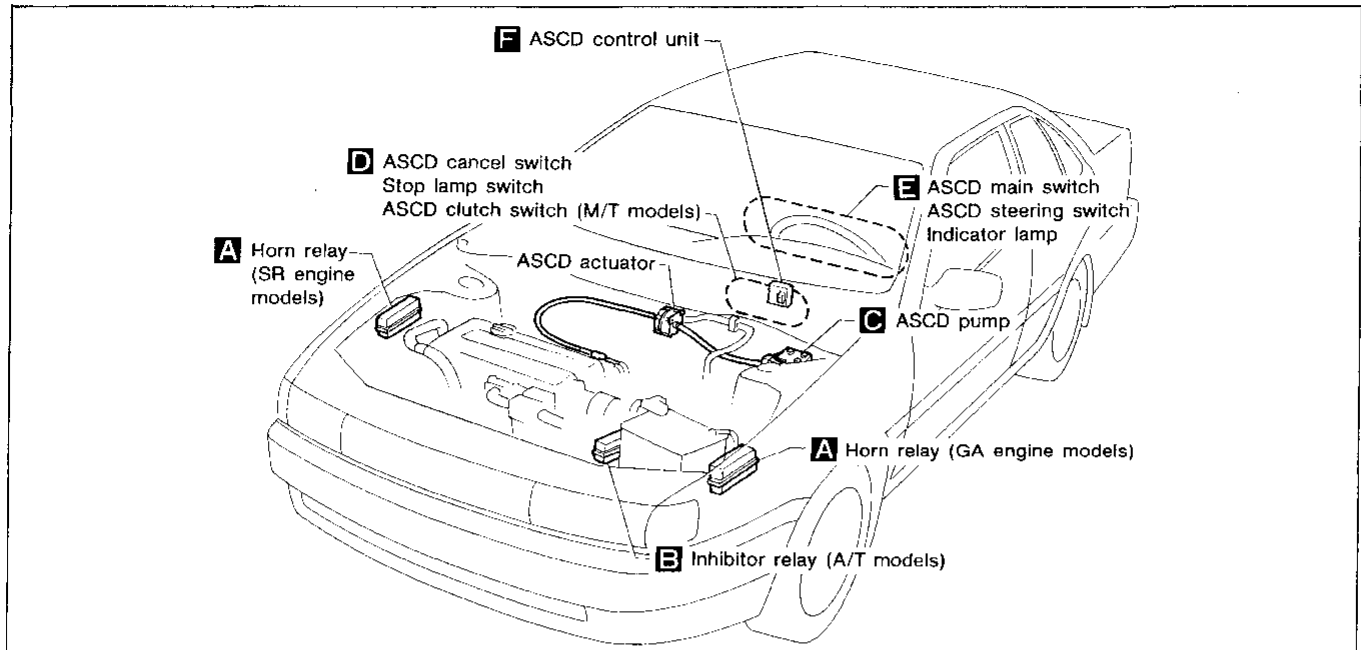
Wiring Diagram (Cont'd)



GI
MA
EM
LC
EF &
EC
FE
CI
MT
AT
FA
RA
BR
ST
BF
FA
EL
IDX

AUTOMATIC SPEED CONTROL DEVICE (ASCD)

Component Parts and Harness Connector Location



MEL743C

AUTOMATIC SPEED CONTROL DEVICE (ASCD)

Trouble Diagnoses

SYMPTOM CHART

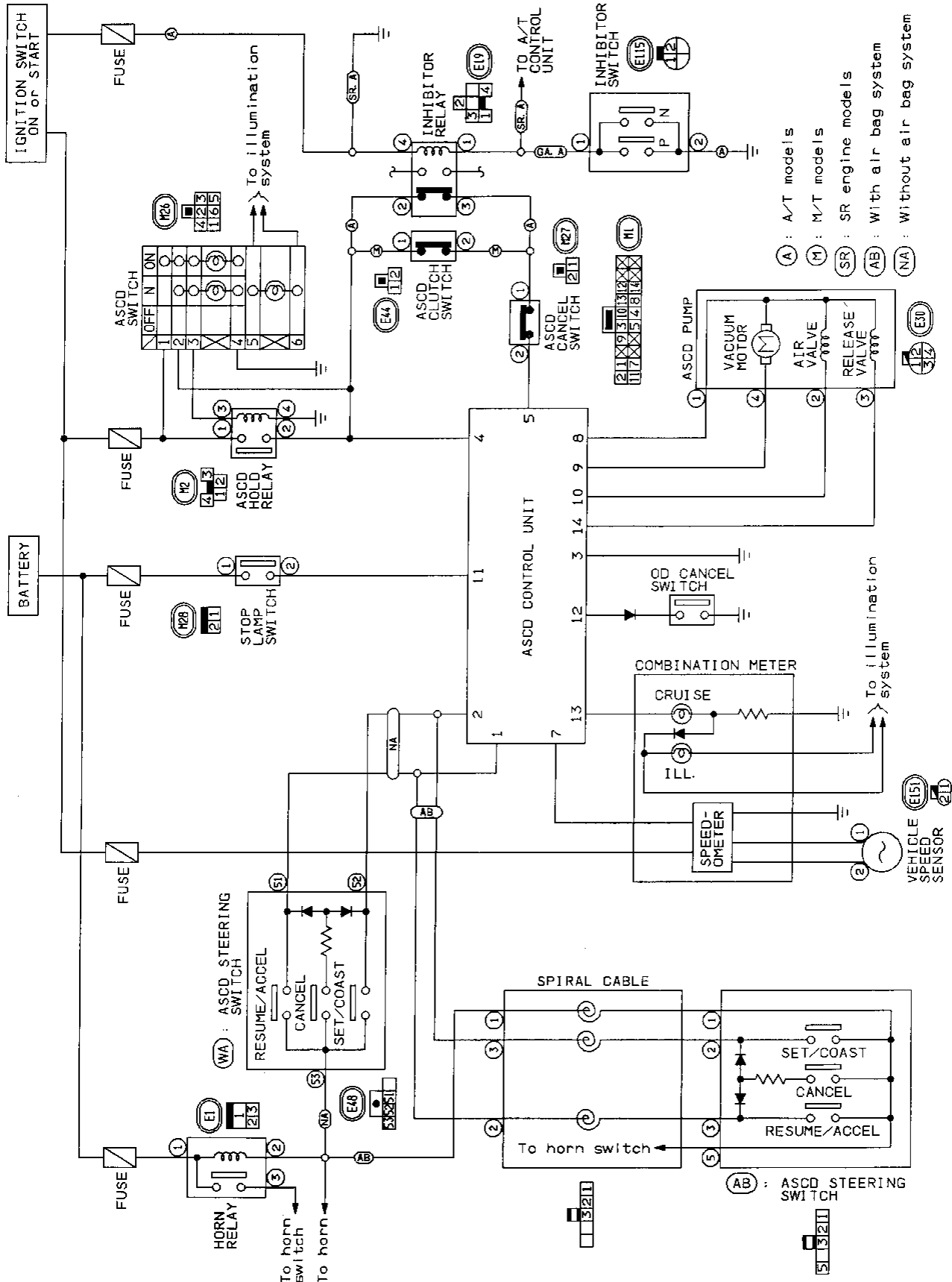
PROCEDURE	Diagnostic Procedure								Electrical Components Inspection							
	EL-75	EL-77	EL-77	EL-78	EL-79	EL-80	EL-81	EL-82	EL-83	EL-84	EL-84	EL-85	EL-85	EL-85	EL-85	
REFERENCE PAGE																
SYMPTOM	Diagnostic Procedure 1	Diagnostic Procedure 2	Diagnostic Procedure 3	Diagnostic Procedure 4	Diagnostic Procedure 5	Diagnostic Procedure 6	Diagnostic Procedure 7	Diagnostic Procedure 8	ASCD wire adjustment	ASCD actuator/ASCD pump	ASCD main switch	ASCD steering switch	ASCD cancel switch and stop lamp switch	ASCD clutch switch (For M/T models)	Inhibitor switch (For A/T models)	Speed sensor
ASCD control unit cannot be set properly.	<input type="checkbox"/>									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Engine hunts		<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>						
Large difference between set speed and actual vehicle speed.			<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>						
Deceleration is greatest immediately after ASCD has been set.				<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>						
ACCEL switch will not operate.	<input type="checkbox"/>				<input type="checkbox"/>							<input type="checkbox"/>				
RESUME switch will not operate.	<input type="checkbox"/>					<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Set speed cannot be cancelled.							<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		
"CRUISE" indicator lamp blinks.								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>			

GI
 MA
 EM
 LC
 EF
 FC
 FE
 CL
 NT
 AT
 FA
 RA
 BR
 ST
 BF
 HA
EL
 IDX

AUTOMATIC SPEED CONTROL DEVICE (ASCD)

Trouble Diagnoses (Cont'd)

CIRCUIT DIAGRAM FOR QUICK PINPOINT CHECK

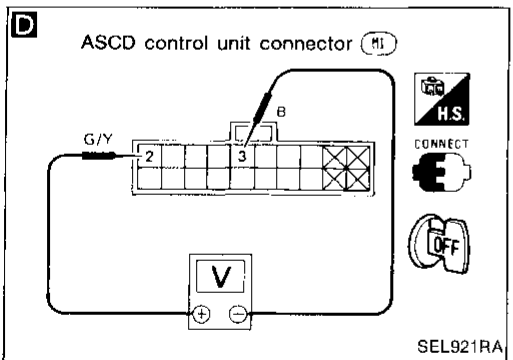
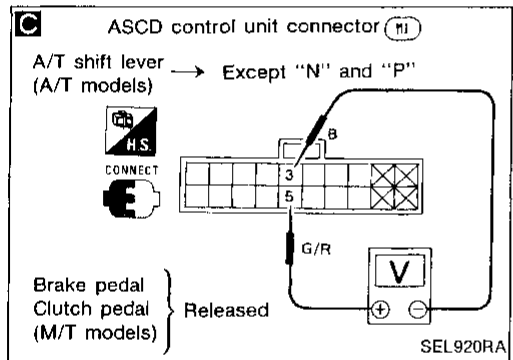
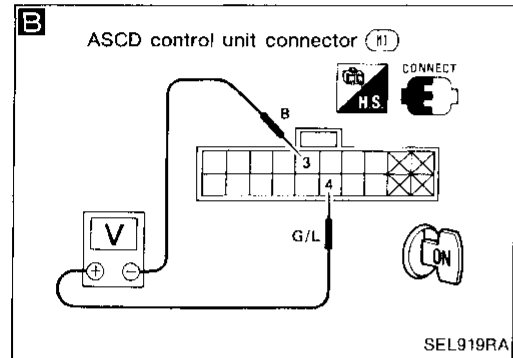
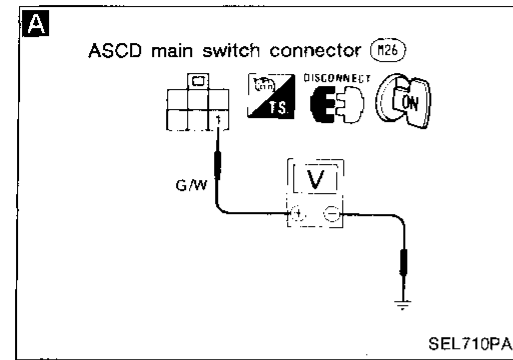


AUTOMATIC SPEED CONTROL DEVICE (ASCD)

Trouble Diagnoses (Cont'd)

DIAGNOSTIC PROCEDURE 1

SYMPTOM: ASCD control cannot be set.



Turn ASCD main switch "OFF" and "ON" to make sure indicator illuminates.

A CHECK POWER SUPPLY FOR ASCD MAIN SWITCH.

1. Disconnect main switch harness connector.
2. Do approx. 12 volts exist between main switch harness terminal ① and body ground?

↓ No

Check fuse and harness.

↓ Yes

CHECK ASCD MAIN SWITCH.

Refer to "Electrical Components Inspection" (EL-84).

CHECK ASCD HOLD RELAY.

B CHECK POWER SUPPLY CIRCUIT FOR ASCD CONTROL UNIT.

1. Turn ASCD main switch "ON".
2. Check voltage between control unit harness terminal ④ and ③.

Battery voltage should exist.

NG

Check continuity between control unit harness terminal ④ and ASCD hold relay.

C CHECK CUT-OFF CIRCUIT FOR ASCD CONTROL UNIT.

Check voltage between control unit harness terminals ⑤ and ③.

Battery voltage should exist.

NG

CHECK ASCD CANCEL SWITCH, ASCD CLUTCH SWITCH (M/T models) AND INHIBITOR SWITCH (A/T models).

Refer to "Electrical Components Inspection" (EL-85).

CHECK INHIBITOR RELAY (A/T models).

D CHECK SET/COAST SWITCH CIRCUIT FOR ASCD CONTROL UNIT.

1. Push and hold SET/COAST button on ASCD steering switch.
2. Check voltage between control unit harness terminals ② and ③.

Battery voltage should exist.

NG

Does horn work?

↓ No

Check fuse and horn relay.

↓ Yes

CHECK ASCD STEERING SWITCH.

Refer to "Electrical Components Inspection" (EL-85).

OK

Ⓐ

(Next page)

CI

MA

EM

LC

EF &
EC

FE

CL

MT

AT

FA

RA

BR

ST

BF

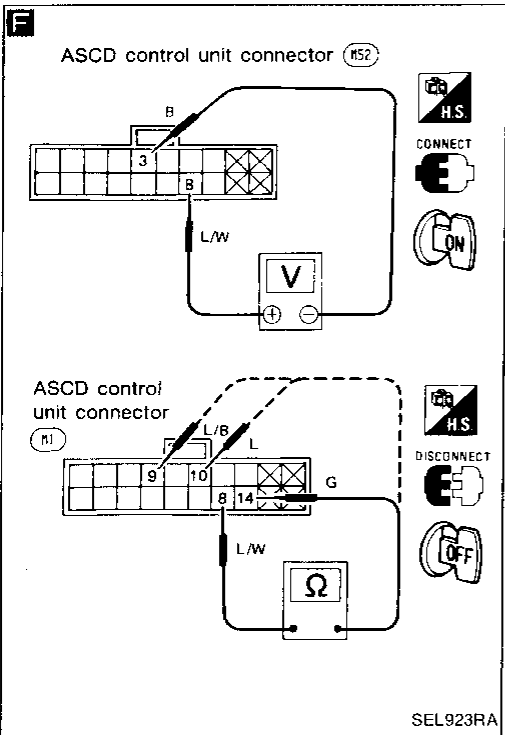
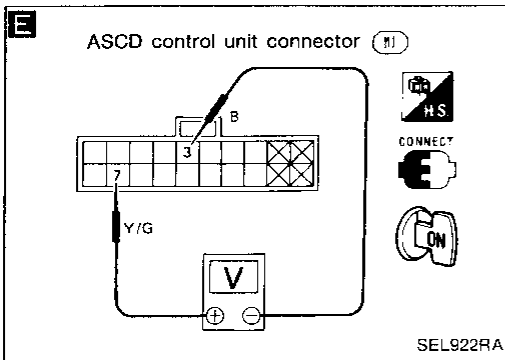
HA

EL

IDX

AUTOMATIC SPEED CONTROL DEVICE (ASCD)

Trouble Diagnoses (Cont'd)



A

E

CHECK VEHICLE SPEED SENSOR CIRCUIT.

1. Apply wheel chocks and jack up front of vehicle.
2. Connect voltmeter between control unit harness terminals ⑦ and ③.
3. Slowly turn front wheel.
4. Check deflection of voltmeter pointer.

NG → **CHECK VEHICLE SPEED SENSOR.**
Refer to "Electrical Components Inspection" (EL-85).

OK →

CHECK ASCD ACTUATOR/ASCD PUMP.
Refer to "Electrical Components Inspection" (EL-84).

NG → Replace ASCD actuator/ASC pump.

OK →

F

CHECK ASCD ACTUATOR/ASCD PUMP CIRCUIT.

1. Check voltage between control unit harness terminals ⑧ and ③.
Voltage is 0V.
2. Disconnect ASCD control unit connector.
3. Measure resistance between control unit harness terminals ⑧ and ⑨, ⑩, ⑭.

Terminals	Resistance [Ω]	
⑧	⑨	Approx. 8 - 45
	⑩	Approx. 65
	⑭	Approx. 65

NG → Repair short or open circuit in ASCD actuator/ASC pump harness.

OK →

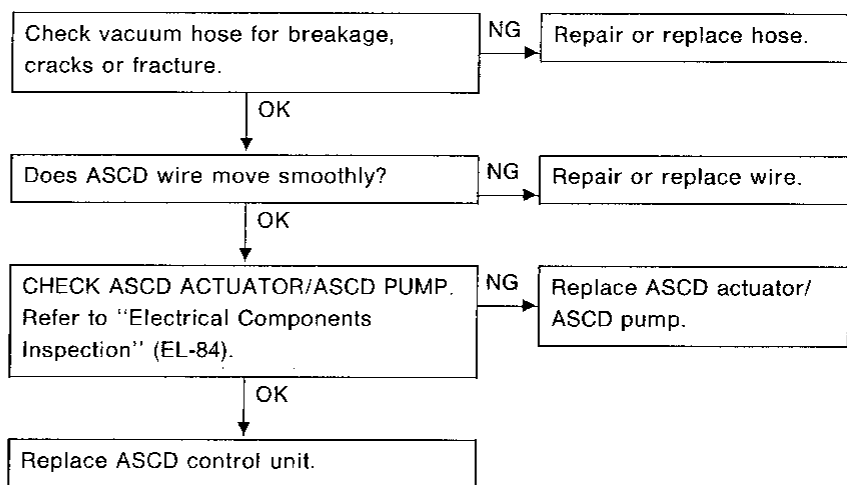
Replace ASCD control unit.

AUTOMATIC SPEED CONTROL DEVICE (ASCD)

Trouble Diagnoses (Cont'd)

DIAGNOSTIC PROCEDURE 2

SYMPTOM: Engine hunts.



GI

MA

EM

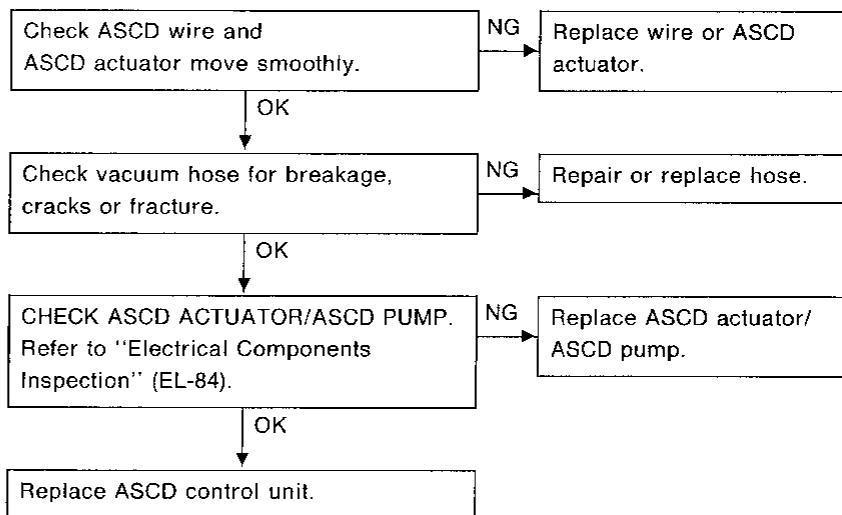
LC

EF &
EC

FE

DIAGNOSTIC PROCEDURE 3

SYMPTOM: Large difference between set vehicle speed and actual speed.



CL

MT

AT

FA

RA

BR

ST

BF

HA

EL

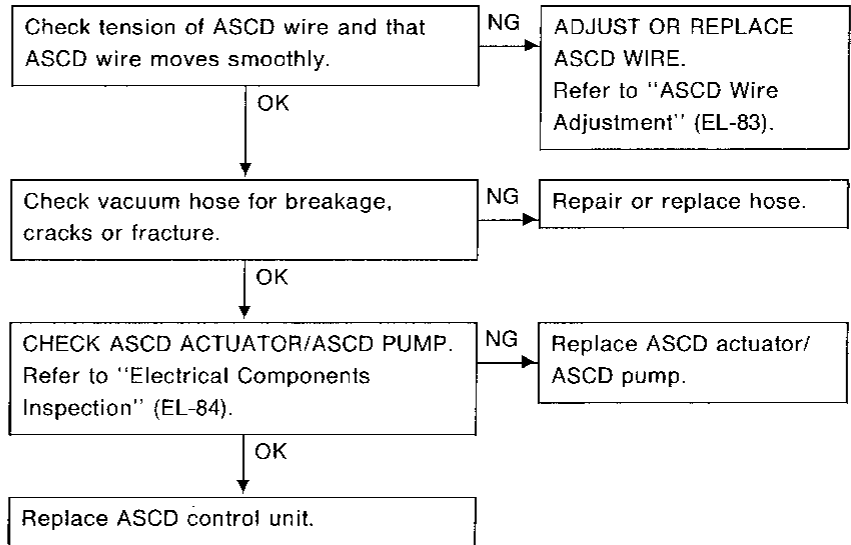
IDX

AUTOMATIC SPEED CONTROL DEVICE (ASCD)

Trouble Diagnoses (Cont'd)

DIAGNOSTIC PROCEDURE 4

SYMPTOM: Deceleration is greatest immediately after ASCD has been set.

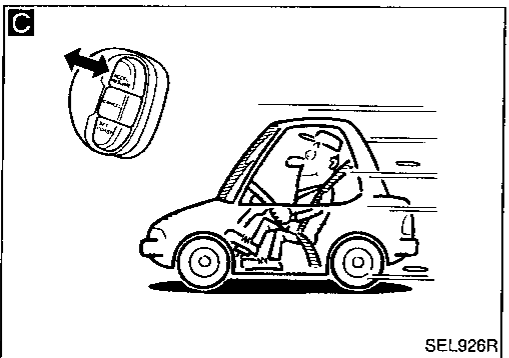
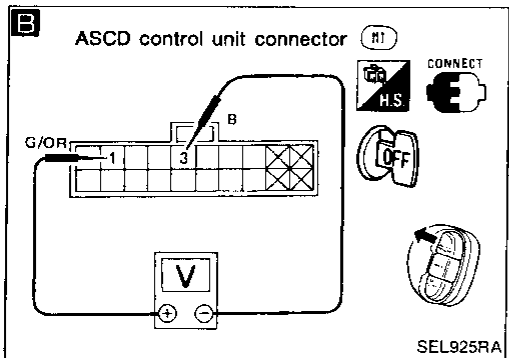
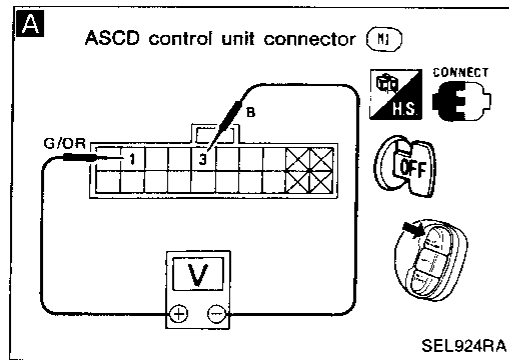


AUTOMATIC SPEED CONTROL DEVICE (ASCD)

Trouble Diagnoses (Cont'd)

DIAGNOSTIC PROCEDURE 5

SYMPTOM: ACCEL switch will not operate.



Check constant-speed function for operating using SET/COAST switch. NG → Go to "DIAGNOSTIC PROCEDURE 1" (EL-75).

A Check voltage between control unit harness terminals ① and ③ after pressing and holding RESUME/ACCEL switch. **Battery voltage should exist.** NG →

B Check voltage between control unit harness terminals ① and ③ after releasing RESUME/ACCEL switch. **Voltage is 0V.** NG → CHECK ASCD STEERING SWITCH. Refer to "Electrical Components Inspection" (EL-85).

C Does vehicle accelerate when RESUME/ACCEL switch is pressed? No → Replace control unit.

D Does vehicle maintain the new (faster) speed when RESUME/ACCEL switch is released? No → Replace control unit.

System is OK.

GI

MA

EM

LC

EF & EC

FE

CL

MT

AT

FA

RA

BR

ST

BF

HA

EL

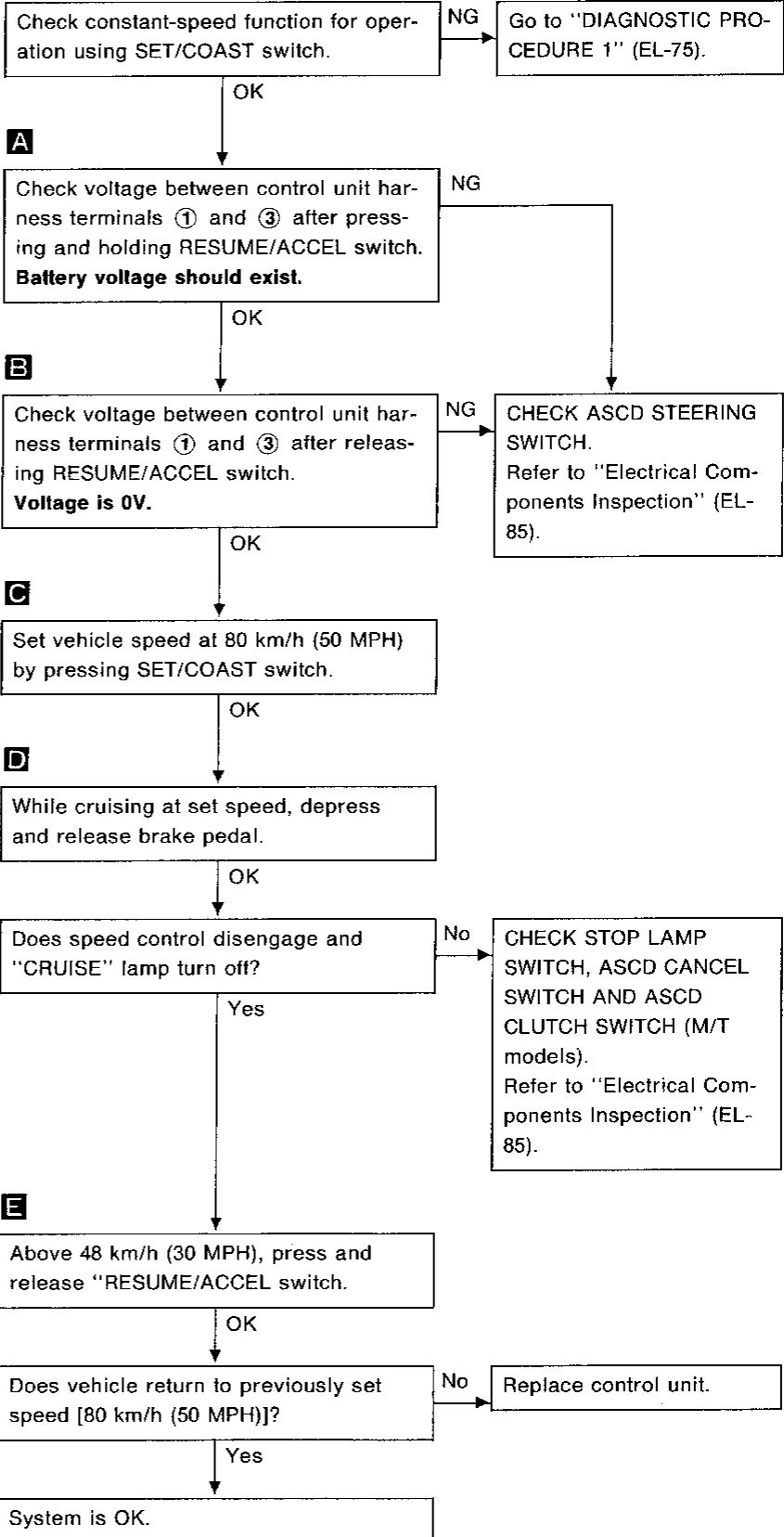
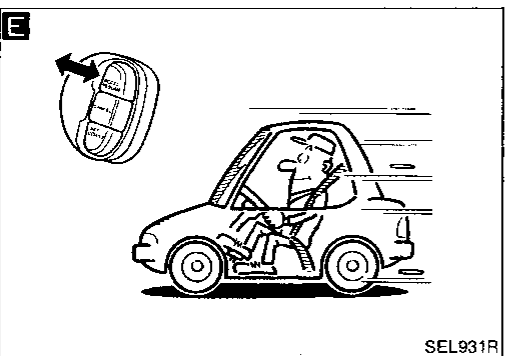
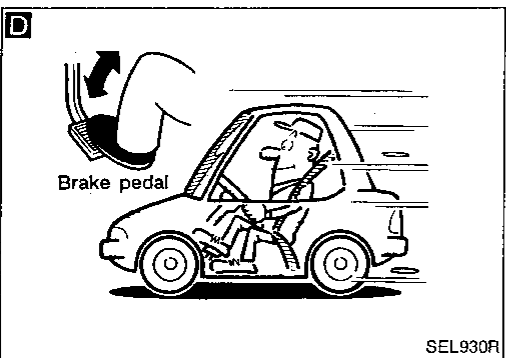
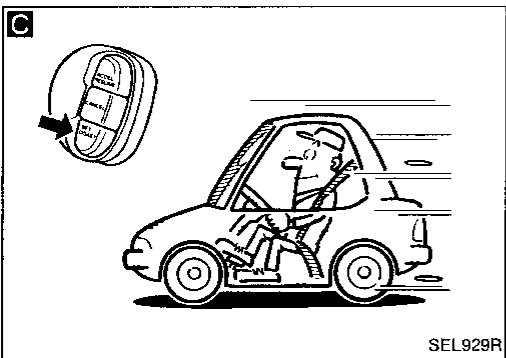
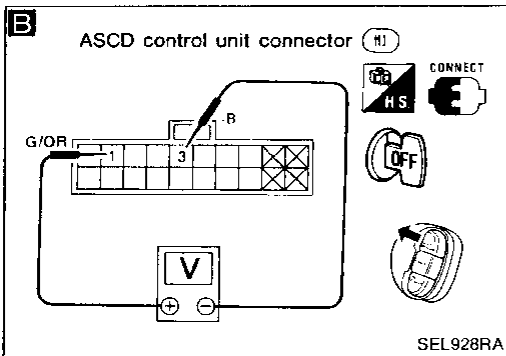
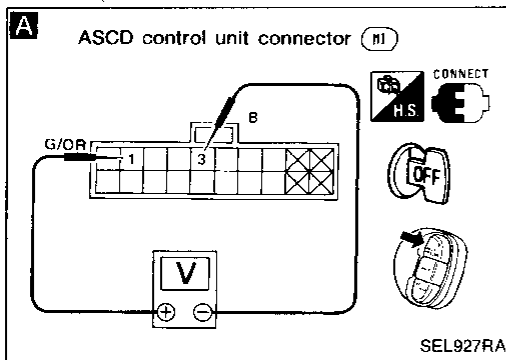
IDX

AUTOMATIC SPEED CONTROL DEVICE (ASCD)

Trouble Diagnoses (Cont'd)

DIAGNOSTIC PROCEDURE 6

SYMPTOM: RESUME switch will not operate.

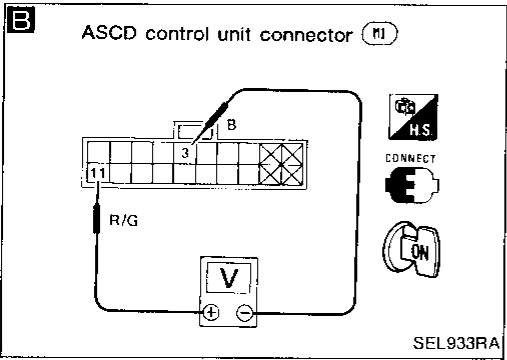
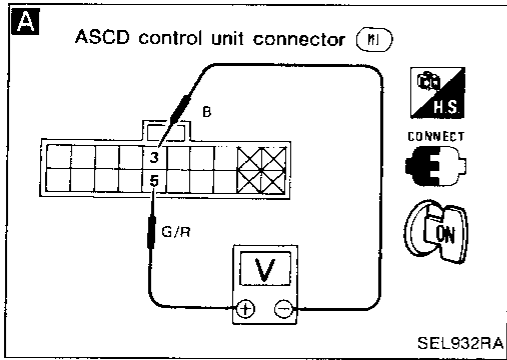


AUTOMATIC SPEED CONTROL DEVICE (ASCD)

Trouble Diagnoses (Cont'd)

DIAGNOSTIC PROCEDURE 7

SYMPTOM: Set speed cannot be cancelled.



A

CHECK ASCD CANCEL, CLUTCH, INHIBITOR SWITCH CIRCUIT.

1. Turn ASCD main switch "ON".
2. Check voltage between control unit harness terminals ⑤ and ③.

NG → CHECK ASCD CANCEL, CLUTCH, and INHIBITOR SWITCH. Refer to "Electrical Components Inspection" (EL-85).

Conditions			Voltage [V]
M/T	ASCD cancel switch	Depressed	0
		Released	Approx. 12
	ASCD clutch switch	Depressed	0
		Released	Approx. 12
A/T	A/T shift lever position is at any position except N or P.		Approx. 12
	A/T shift lever position is at N or P.		0

OK ↓

B

CHECK STOP LAMP SWITCH CIRCUIT. Check voltage between control unit harness terminals ⑪ and ③.

NG → CHECK STOP LAMP SWITCH. Refer to "Electrical Components Inspection (EL-85).

Condition		Voltage [V]
Stop lamp switch	Depressed	Approx. 12
	Released	0

OK ↓

Check ASCD wire moves smoothly. NG → Replace ASCD wire.

OK ↓

CHECK ASCD ACTUATOR/ASCD PUMP. Refer to "Electrical Components Inspection" (EL-84). NG → Replace ASCD actuator/ASCD pump.

OK ↓

Replace ASCD control unit.

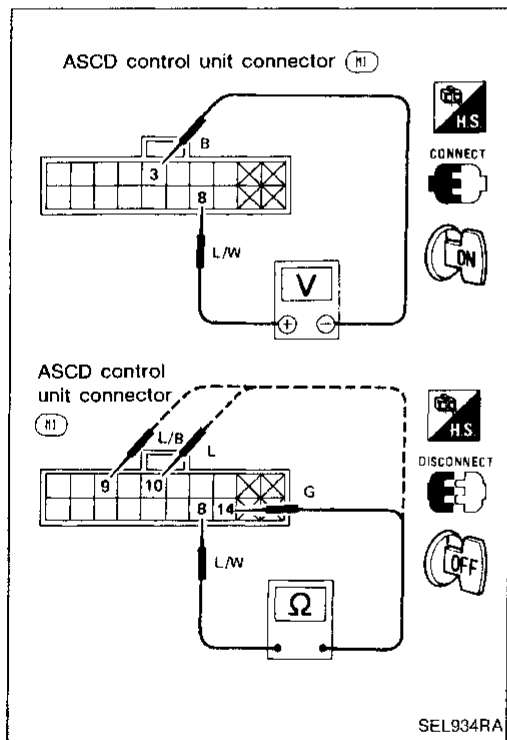
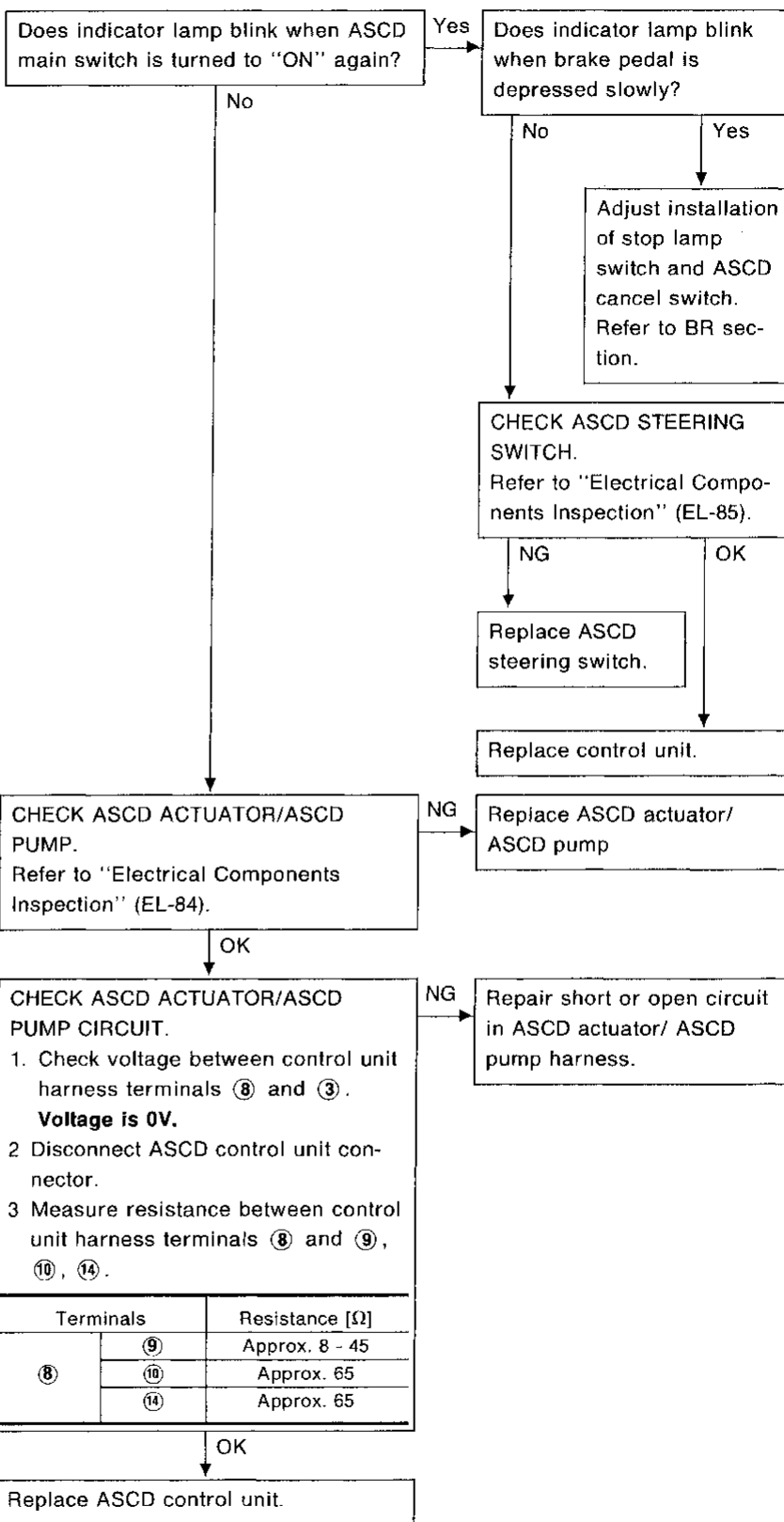
GI
MA
EM
LC
EF & EC
FE
CL
MT
AT
FA
RA
BR
ST
BF
HA
EL
IDX

AUTOMATIC SPEED CONTROL DEVICE (ASCD)

Trouble Diagnoses (Cont'd)

DIAGNOSTIC PROCEDURE 8

SYMPTOM: "CRUISE" indicator lamp blinks.

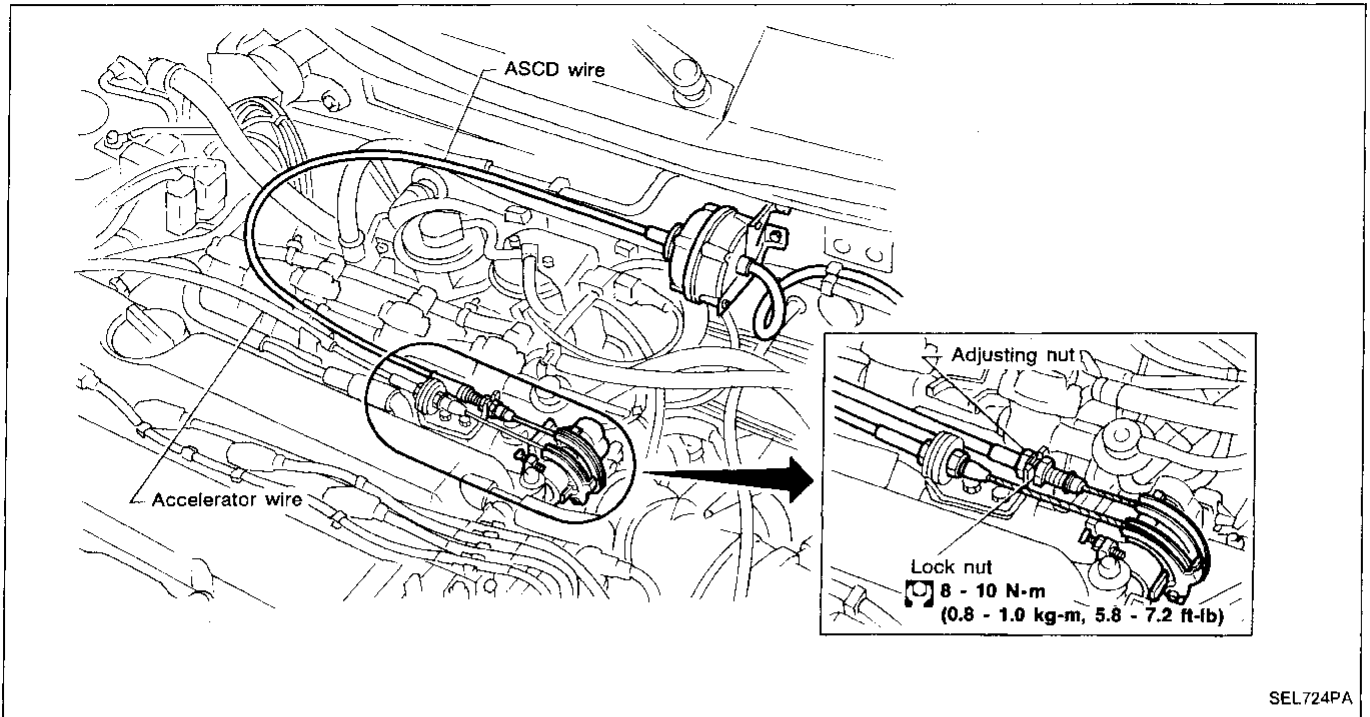


Terminals	Resistance [Ω]	
⑧	⑨	Approx. 8 - 45
	⑩	Approx. 65
	⑭	Approx. 65

AUTOMATIC SPEED CONTROL DEVICE (ASCD)

Trouble Diagnoses (Cont'd)

ASCD WIRE ADJUSTMENT



CAUTION:

- Be careful not to twist ASCD wire when removing it.
- Do not tense ASCD wire excessively during adjustment.

After confirming that accelerator wire is properly adjusted, adjust the tension of ASCD wire in the following manner.

- (1) After adjusting the length of the accelerator wire, turn a securing nut by 1/2 to 1 turn from throttle open starting position to the wire loosening direction to fix. (Must be securing carried out to prevent response delay of operation of the ASCD)
- (2) Securely tighten lock nut to hold adjusting nut in place.

GI

MA

EM

LC

EF &
EC

FE

CL

SEL724PA

MT

AT

FA

RA

BR

ST

BF

HA

EL

IDX

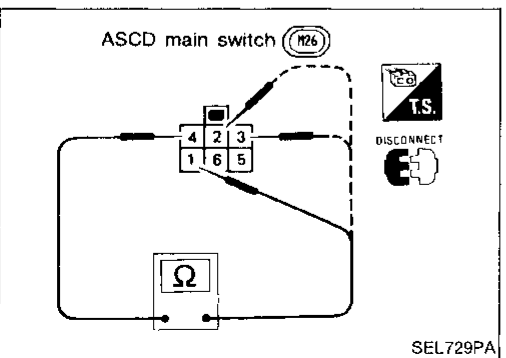
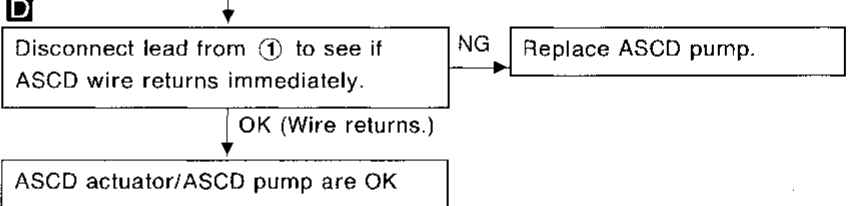
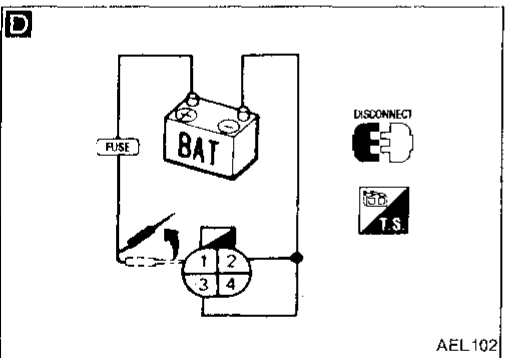
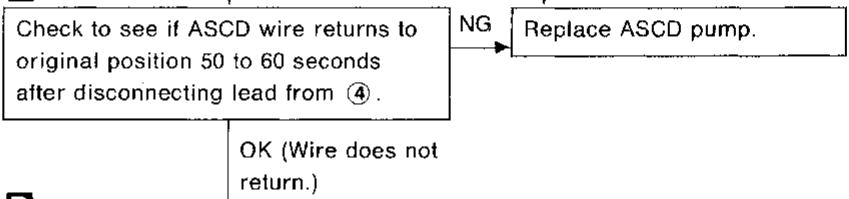
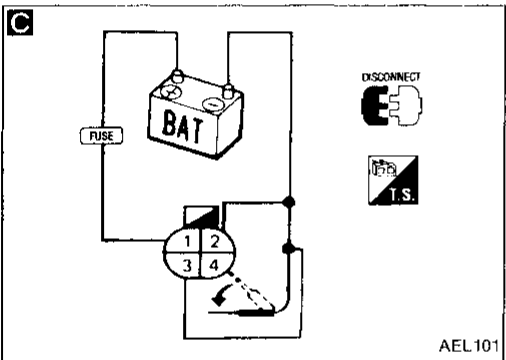
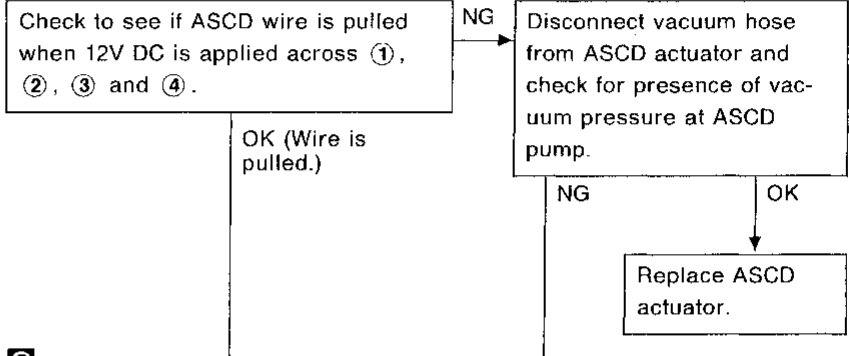
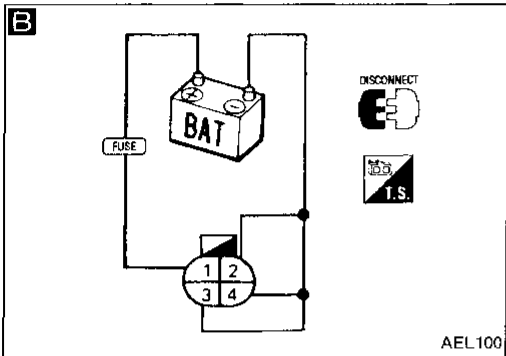
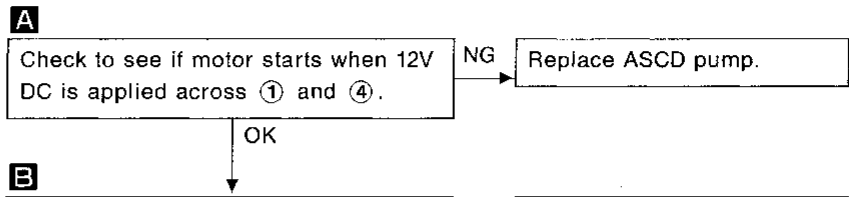
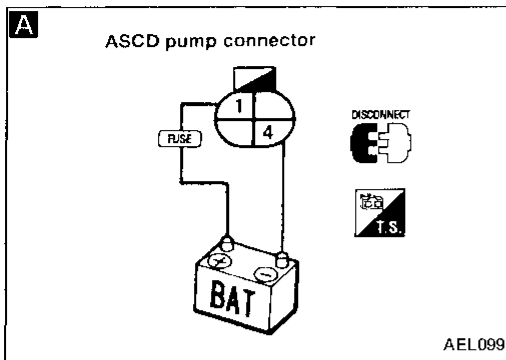
AUTOMATIC SPEED CONTROL DEVICE (ASCD)

Trouble Diagnoses (Cont'd)

ELECTRICAL COMPONENTS INSPECTION

ASCD actuator/ASCD pump

1. Disconnect ASCD actuator/ASCD pump connector.
2. Check ASCD actuator/ASCD pump operations as shown.



ASCD main switch

Check continuity between terminals by pushing switch to each position.

Switch position	Terminals					
	1	2	3	4	5	6
ON	○	○	○	○		
N		○	○	○		
OFF					○	○

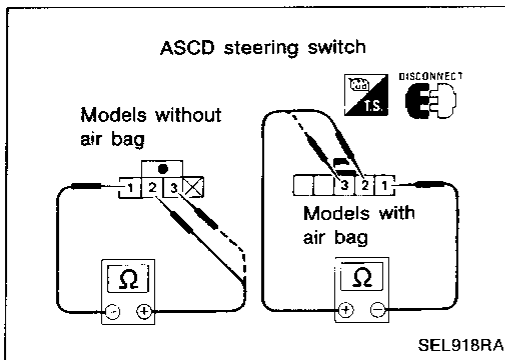
ILL.

AUTOMATIC SPEED CONTROL DEVICE (ASCD)

Trouble Diagnoses (Cont'd)

ASCD steering switch

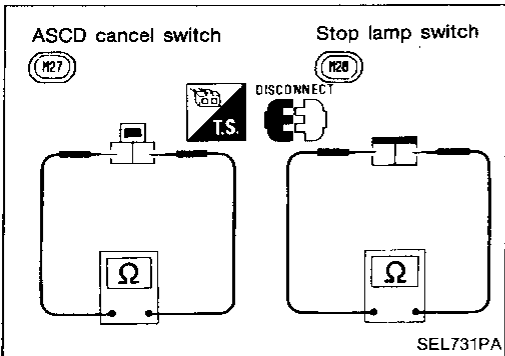
Check continuity between terminals by pushing each button.



Button	Terminal		
	1	2	3
SET/COAST	○	○	
RESUME/ACCEL	○		○
CANCEL	○	▶	○
	○	▶	○

GI
MA
EM

ASCD cancel switch and stop lamp switch

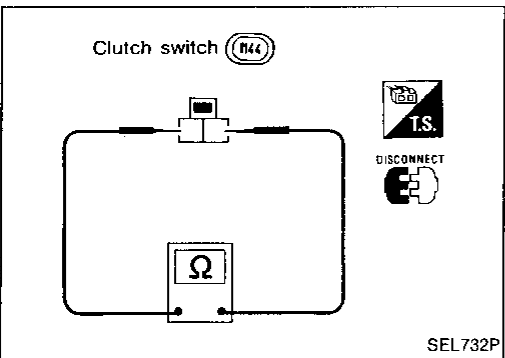


Condition	Continuity	
	ASCD cancel switch	Stop lamp switch
When brake pedal is depressed	No	Yes
When brake pedal is released	Yes	No

LC
EF & EC
FE

Check each switch after adjusting brake pedal — refer to BR section.

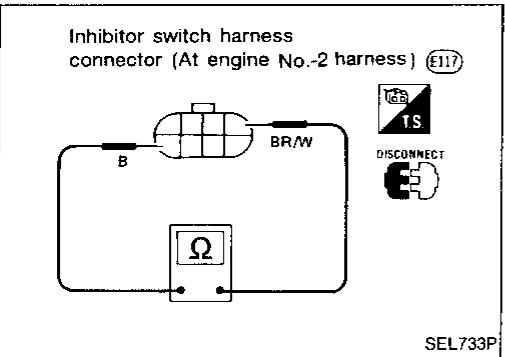
ASCD clutch switch (For M/T models)



Condition	Continuity
When clutch pedal is depressed	No
When clutch pedal is released	Yes

MT
AT

Inhibitor switch (For A/T models)



Condition	Continuity
When shift lever position is "N" or "P"	Yes
When shift lever position is any position except "N" or "P"	No

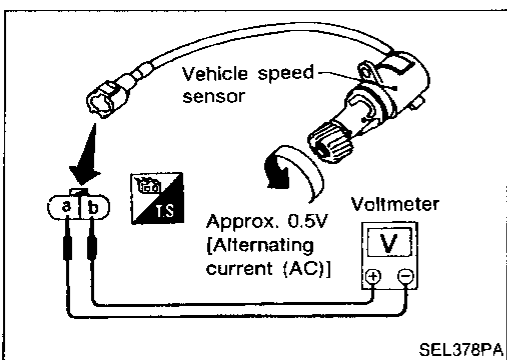
BR
ST

Vehicle speed sensor

1. Remove vehicle speed sensor from transaxle.
2. Turn speedometer pinion quickly and measure voltage across (a) and (b).

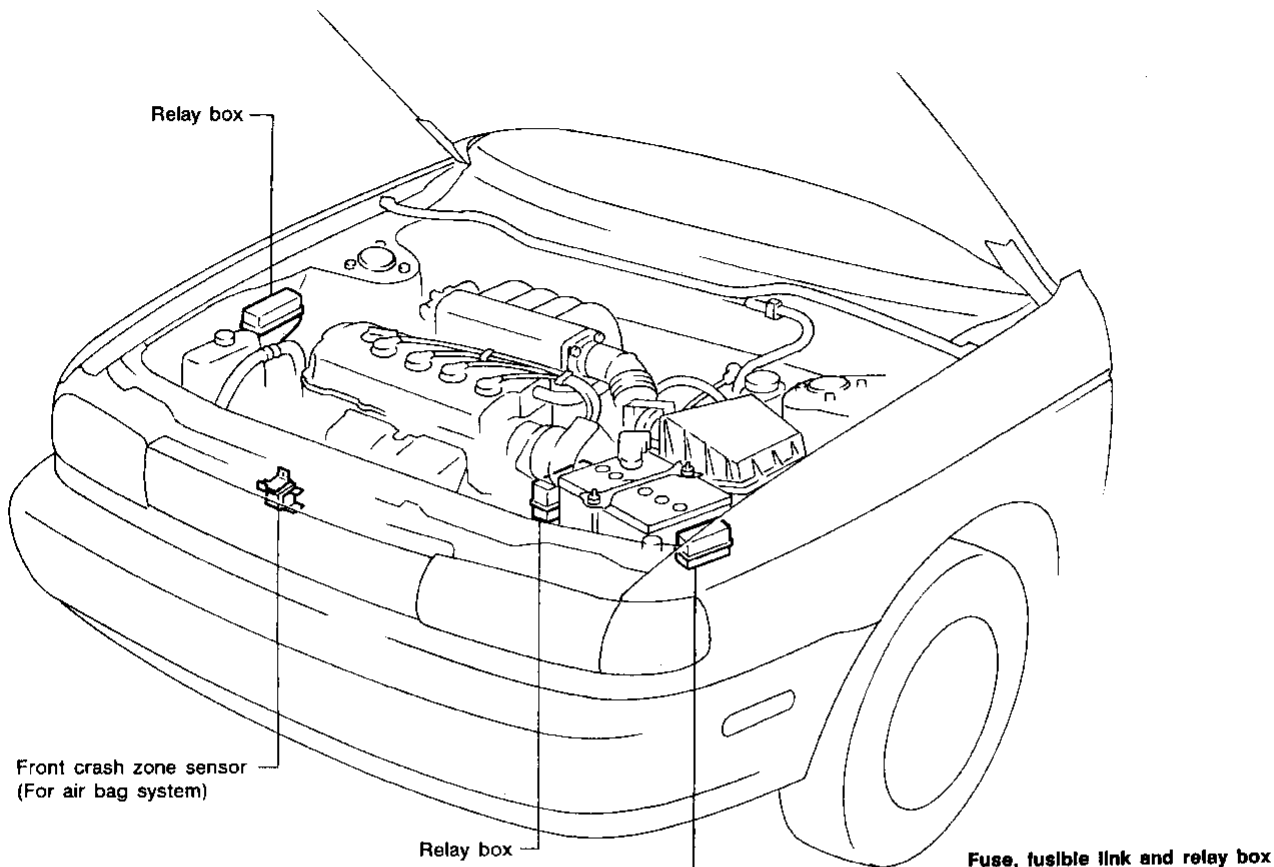
EL

IDX

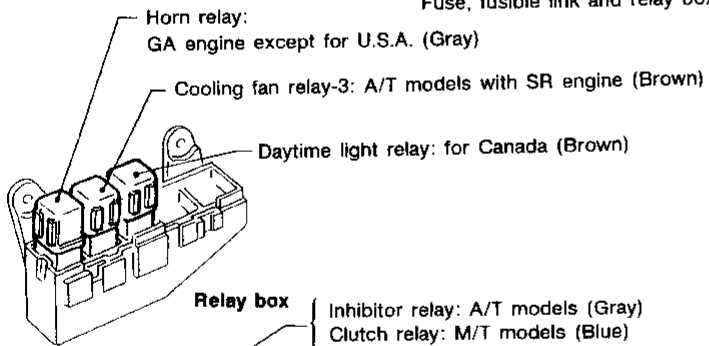


LOCATION OF ELECTRICAL UNITS

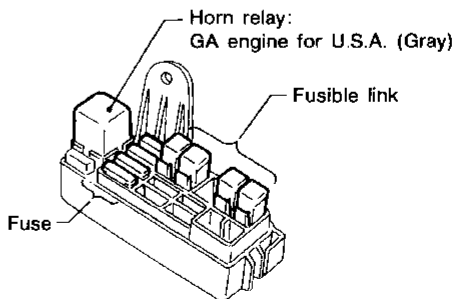
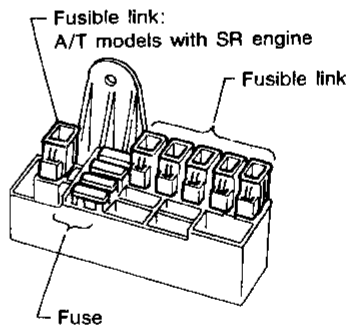
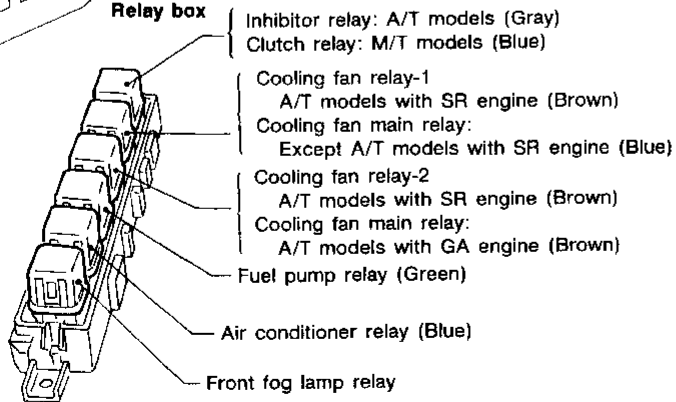
Engine Compartment



Relay box

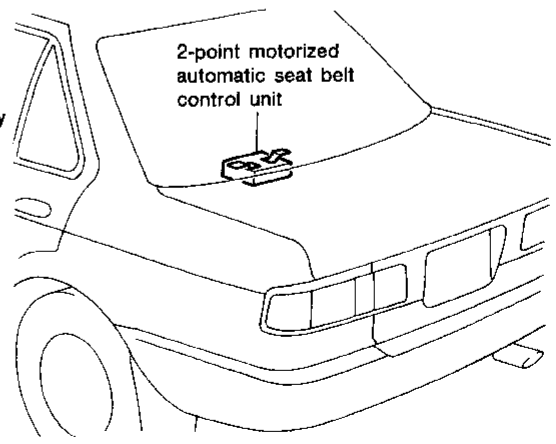
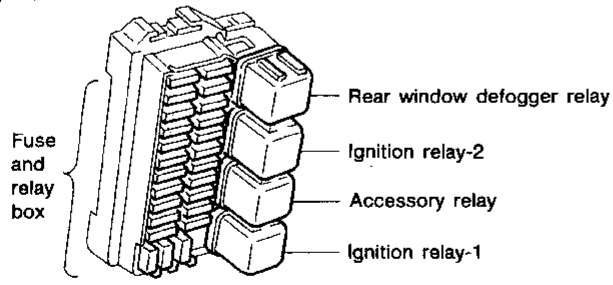
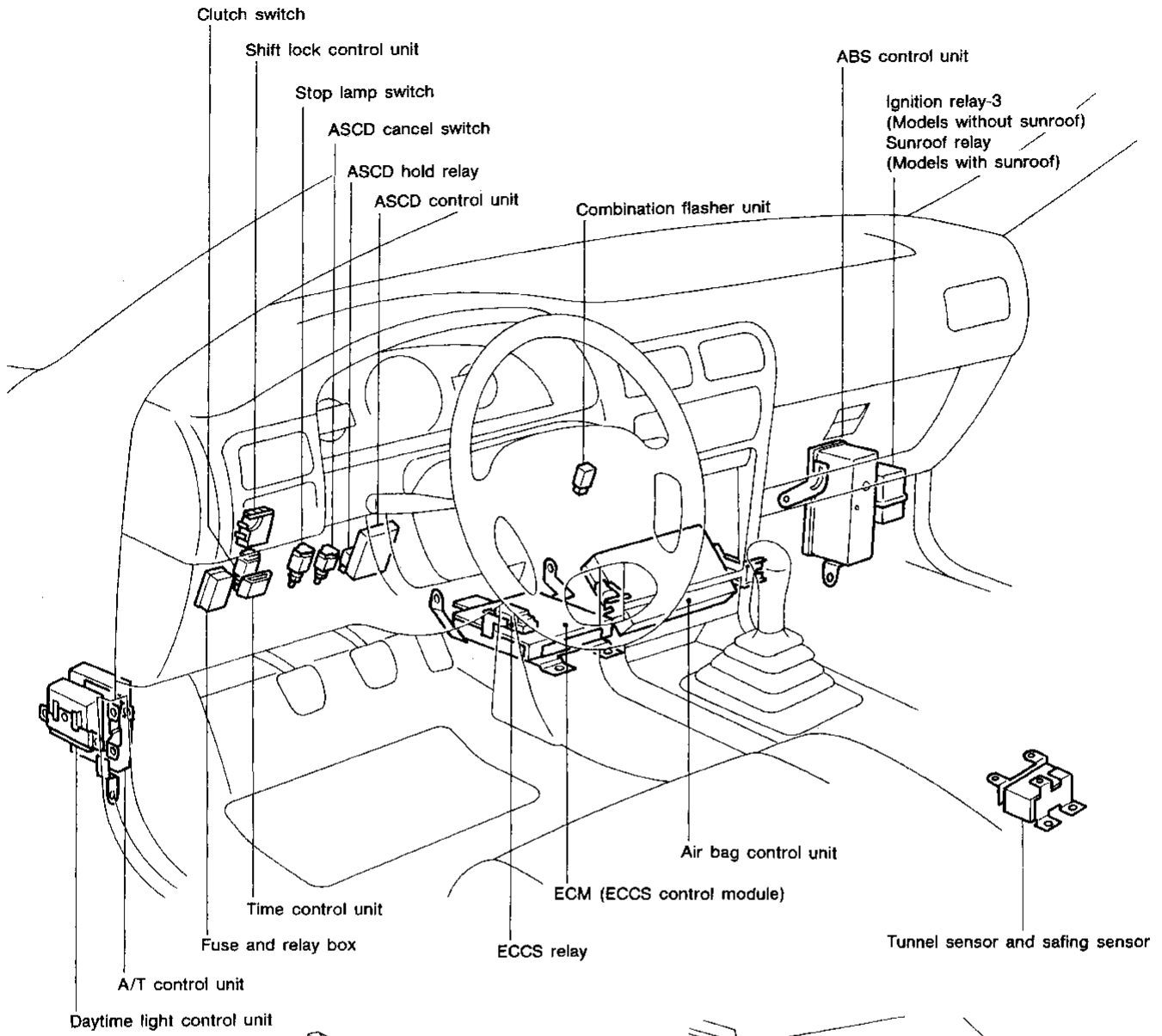


Relay box



LOCATION OF ELECTRICAL UNITS

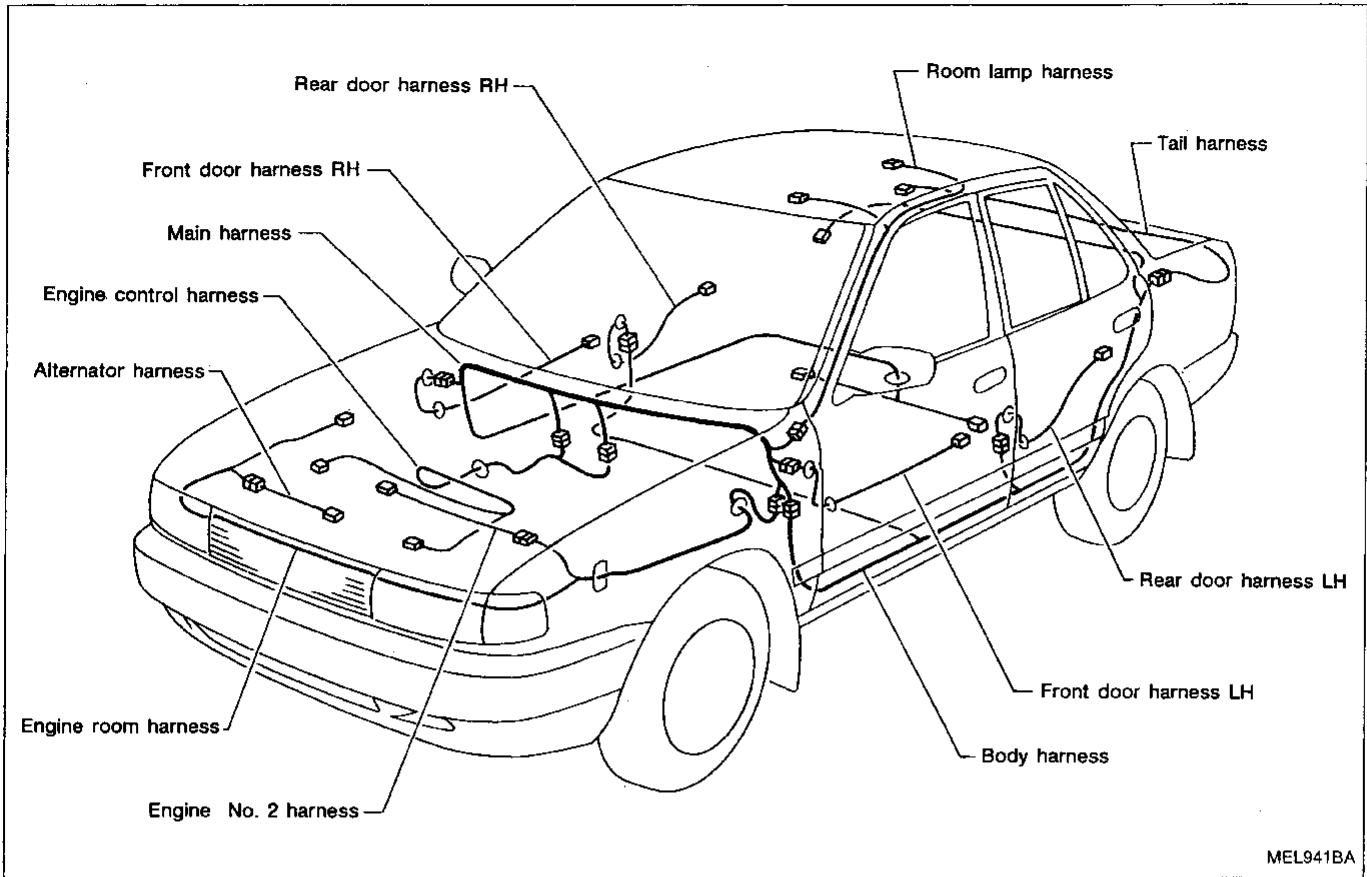
Passenger Compartment



- GI
- MA
- EM
- LC
- EF & EC
- FE
- CL
- MT
- AT
- FA
- RA
- BR
- ST
- BF
- HA
- EL**
- IDX

HARNESS LAYOUT

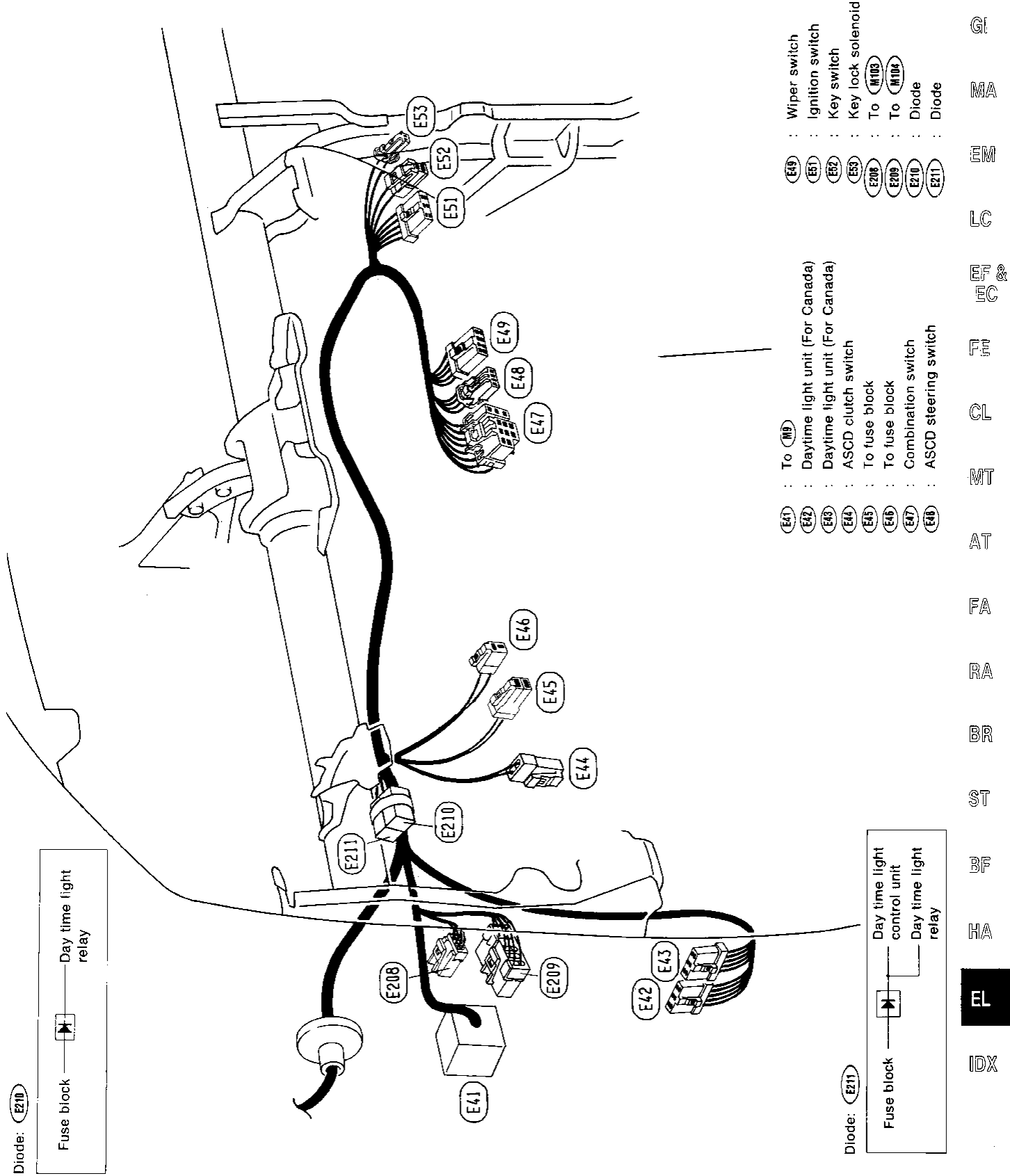
Outline



HARNESS LAYOUT

Engine Room Harness

PASSENGER COMPARTMENT

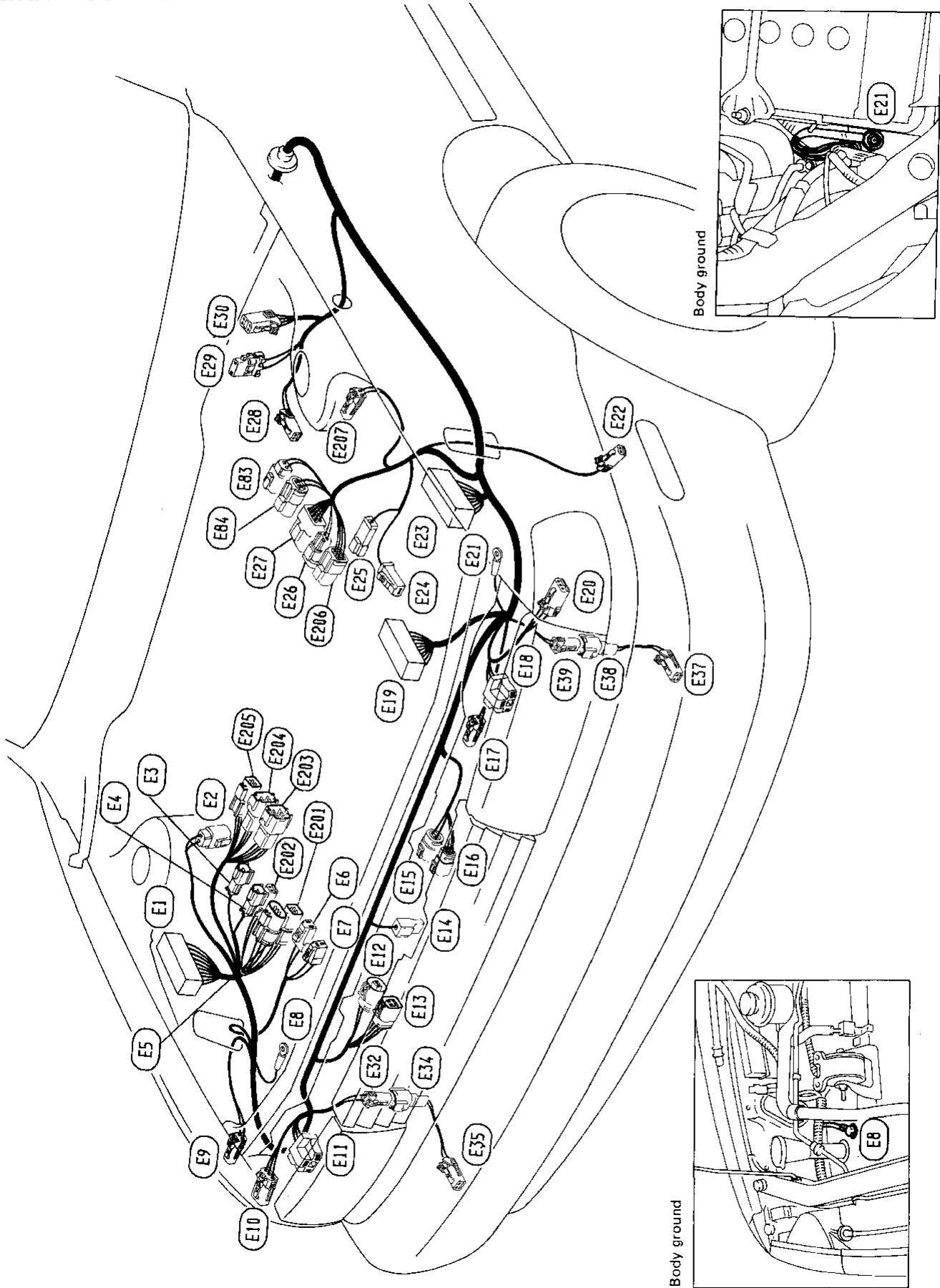


MEL855C

HARNESS LAYOUT

Engine Room Harness (Cont'd)

ENGINE COMPARTMENT



HARNESS LAYOUT

Engine Room Harness (Cont'd)

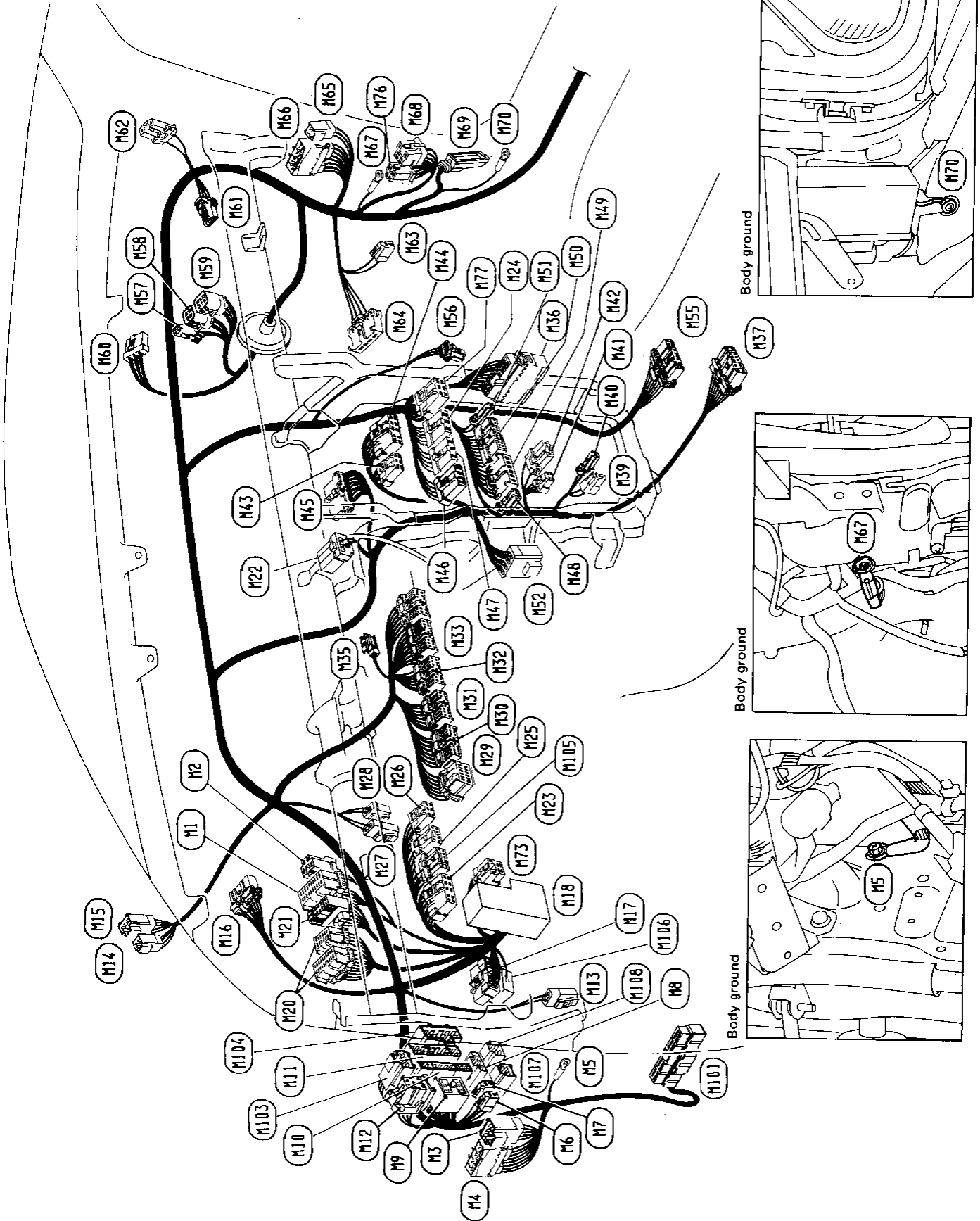
- (E1) : Relay box
- (E2) : Actuator (ABS)
- (E3) : To (A2) (GA engine), To (E155) (SR engine)
- (E4) : To (E154) (SR engine)
- (E5) : To (11) (GA engine), To (E153) (SR engine)
- (E6) : Washer level switch
- (E7) : Washer motor
- (E8) : Body ground
- (E9) : Front side marker lamp RH
- (E10) : Front combination lamp RH
- (E11) : Headlamp RH
- (E12) : Cooling fan motor-2 (Except A/T models with SR engine and A/T models with GA engine for U.S.A.)
- (E13) : Cooling fan motor-2 (A/T models with SR engine and A/T models with GA engine for U.S.A.)
- (E14) : Horn
- (E15) : Cooling fan motor-1 (Except A/T models with SR engine and A/T models with GA engine for U.S.A.)
- (E16) : Cooling fan motor-1 (A/T models with SR engine and A/T models with GA engine for U.S.A.)
- (E17) : Dual-pressure switch
- (E18) : Headlamp LH
- (E19) : Relay box
- (E20) : Front combination lamp LH
- (E21) : Body ground
- (E22) : Front side marker lamp LH
- (E23) : Relay, fusible link and fuse box (Refer to "LOCATION OF ELECTRICAL UNITS")
- (E24) : Battery
- (E25) : Fusible link
- (E26) : To (E116)
- (E27) : To (E117)
- (E28) : Front wheel sensor LH (ABS)
- (E29) : Brake fluid level switch
- (E30) : ASCD pump
- (E32) : To fog lamp harness RH
- (E34) : To (E32)
- (E35) : Fog lamp RH
- (E37) : Fog lamp LH
- (E38) : To (E39)
- (E39) : To fog lamp harness LH
- (E83) : To (E119) (SR engine)
- (E84) : To (E120) (SR engine)
- (E201) : To (E163) (GA engine for U.S.A.)
- (E202) : To (E152) (SR engine)
- (E203) : To (E156)
- (E204) : To (E157)
- (E205) : To (E163) (GA engine for Canada)
- (E206) : To (E162) (A/T models with SR engine)
- (E207) : Dropping resistor

GI
 MA
 EM
 LC
 EF &
 EC
 FE
 CL
 MT
 AT
 FA
 RA
 BR
 ST
 BF
 HA
EL
 IDX

HARNESS LAYOUT

Main Harness

INSTRUMENT SIDE

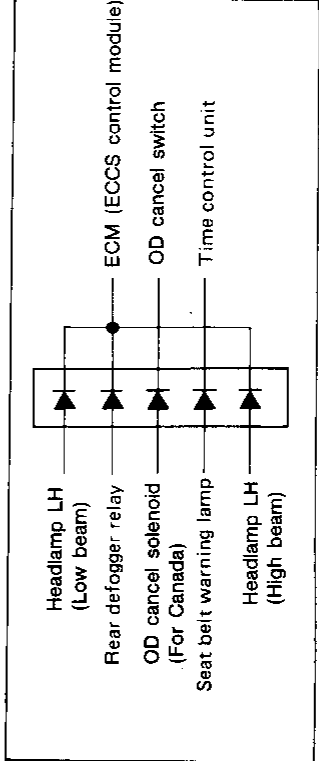


HARNES LAYOUT

Main Harness (Cont'd)

- | | | |
|---|--|--|
| <ul style="list-style-type: none"> (R1) : ASCD control unit (R2) : ASCD hold relay (R3) : To (R1) (4-door Sedan) (R4) : To (R2) (4-door Sedan) To (R5) (2-door Sedan) (R5) : Body ground (R6) : Circuit breaker (R7) : Circuit breaker (4-door Sedan for U.S.A.) (R8) : To (R3) (Except 2-door Sedan) (R9) : To (E41) (R10) : To (R1) (R11) : To (R2) (Except 2-door Sedan) (R12) : Bulb check relay (R13) : Clutch switch (R14) : To (R1) (Without 2-point motorized automatic seat belt) (R15) : To (R2) (With 2-point motorized automatic seat belt) (R16) : Shift lock control unit (R17) : Diode (R18) : Fuse block (R19) : Time control unit (R20) : Data link connector for CONSULT (R21) : Combination flasher unit (R22) : Door mirror switch (R23) : Fog lamp switch (4-door Sedan) (R24) : Illumination control switch (R25) : ASCD switch | <ul style="list-style-type: none"> (R27) : ASCD cancel switch (R28) : Stop lamp switch (R29) : Combination meter (R30) : Combination meter (R31) : Combination meter (R32) : Combination meter (R33) : Combination meter (R34) : Warning buzzer (R35) : To (F17) (R36) : A/T device (R37) : Cigarette lighter (R38) : Cigarette lighter illumination (R39) : Deck (R40) : Deck (R41) : Radio (R42) : Radio (R43) : Mode actuator (Except 2-door Sedan) (R44) : Hazard switch (R45) : Rear window defogger switch (R46) : A/C switch (R47) : Fan switch (R48) : Heater control switch (Except 2-door Sedan) (R49) : Fan switch (R50) : To (F14) (R51) : To air bag harness (R52) : Thermo control amp. (R53) : Front wheel sensor RH (For ABS) | <ul style="list-style-type: none"> (R58) : Actuator (For ABS) (R59) : Actuator (For ABS) (R60) : Front wiper motor (R61) : Intake actuator (Except 2-door Sedan) (R62) : Limit switch (Except 2-door Sedan) (R63) : Blower motor (R64) : Fan resistor (R65) : To (R12) (4-door Sedan) (R66) : To (R13) (4-door Sedan) To (R62) (2-door Sedan) (R67) : Body ground (R68) : Sunroof relay (Models with sunroof) (R69) : ABS control unit (For ABS) (R70) : Body ground (R71) : Rear window defogger relay (R72) : Ignition relay-3 (Models without sunroof) (R73) : Fog lamp switch (2-door Sedan) (R74) : A/T control unit (R75) : Combination meter (R76) : To (E206) (R77) : To (E209) (R78) : A/T mode switch (R79) : Diode (R80) : To (R12) (2-door Sedan) (R81) : To (R13) (2-door Sedan) |
|---|--|--|

Diode (N17)

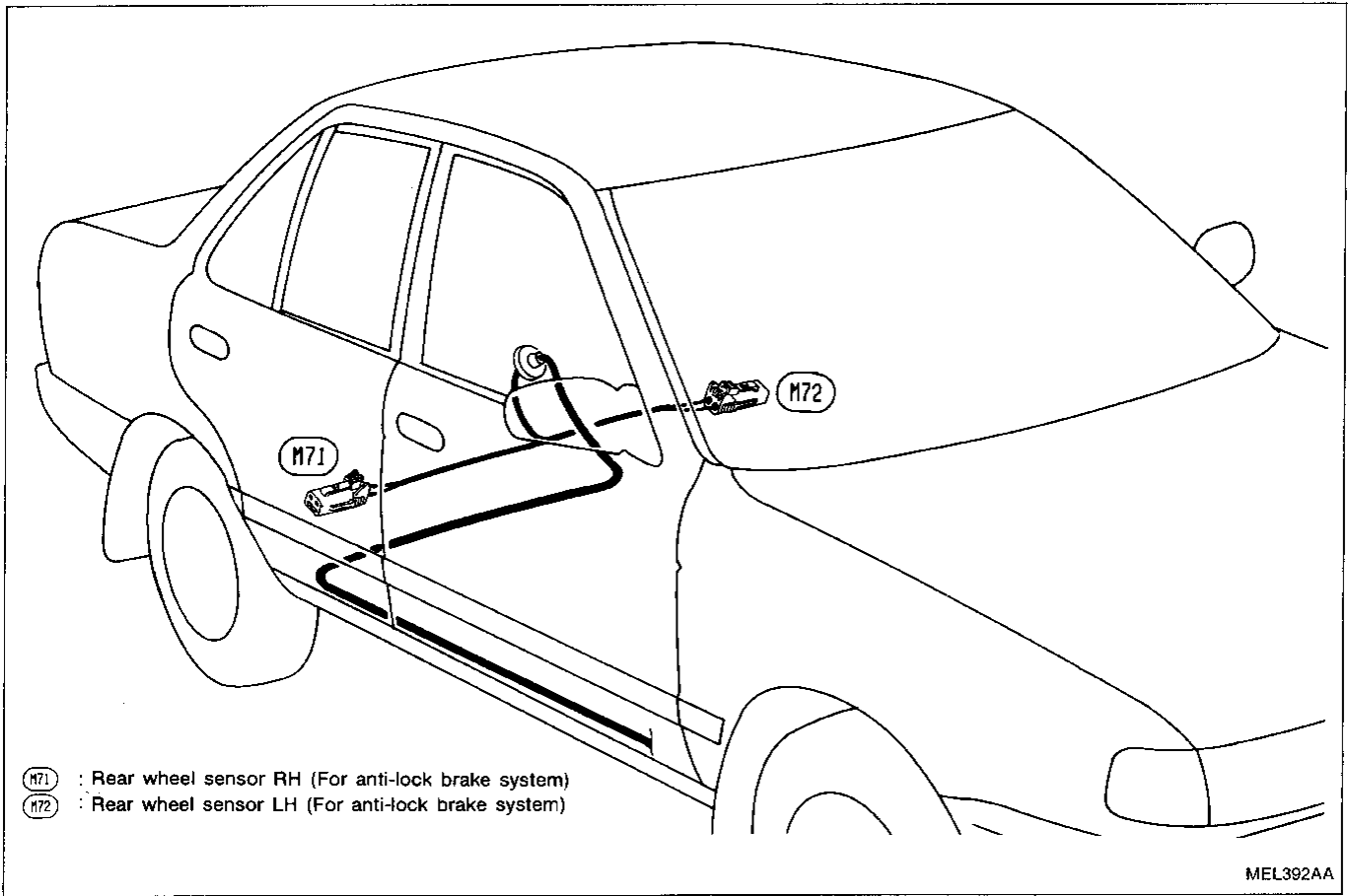


GI
 MA
 EM
 LC
 EF &
 EC
 FE
 CL
 MT
 AT
 FA
 RA
 BR
 ST
 BF
 HA
EL
 IDX

HARNES LAYOUT

Main Harness (Cont'd)

BODY SIDE



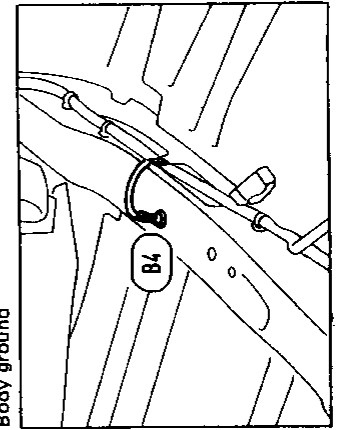
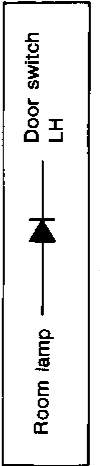
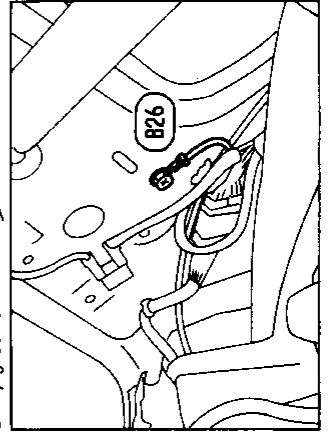
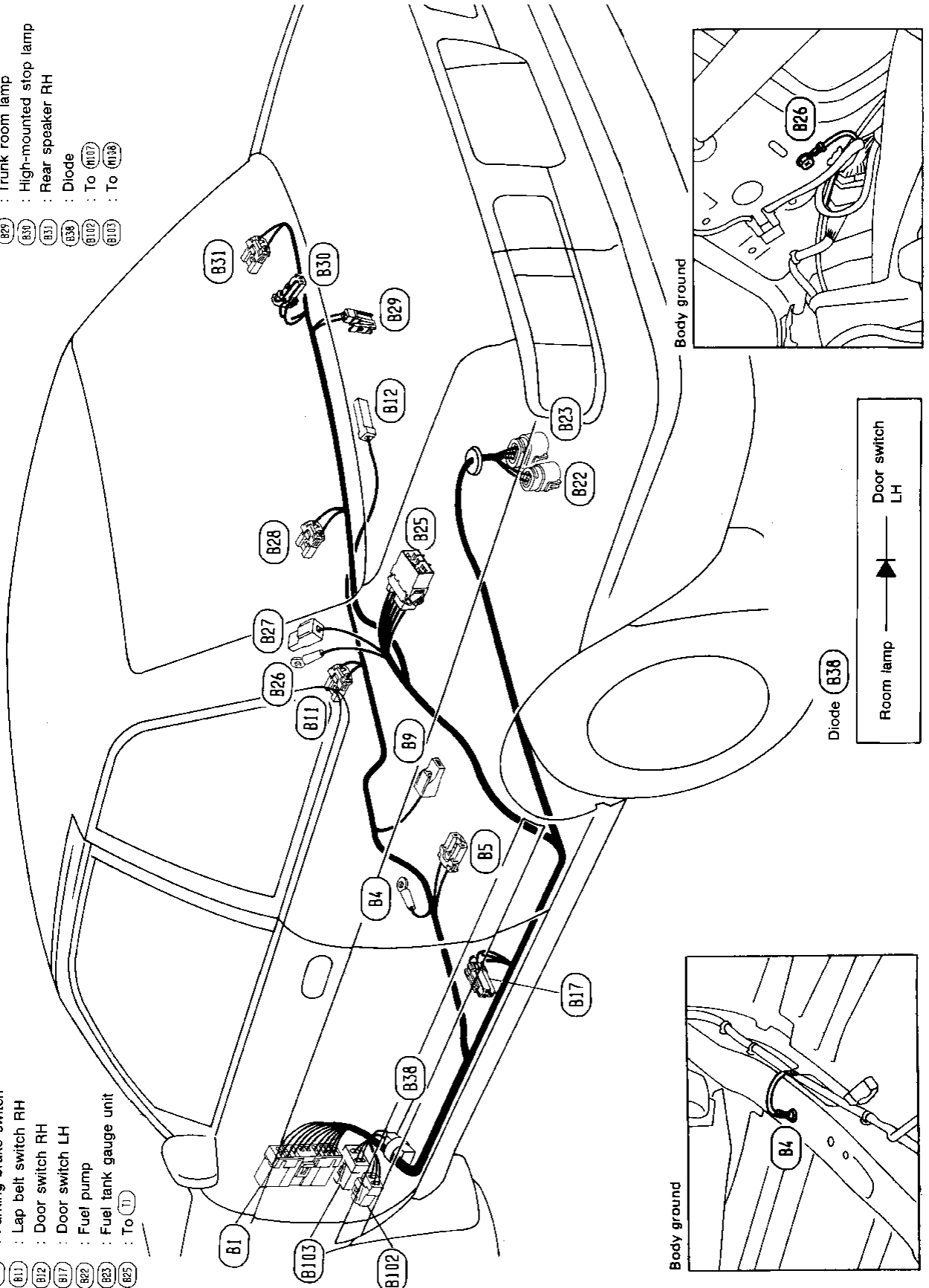
HARNESS LAYOUT

Body Harness

2-DOOR SEDAN

- (B26) : Body ground
- (B27) : Rear window defogger
- (B28) : Rear speaker LH
- (B29) : Trunk room lamp
- (B30) : High-mounted stop lamp
- (B31) : Rear speaker RH
- (B36) : Diode
- (B102) : To (H107)
- (B103) : To (H138)

- (B1) : To (H10)
- (B4) : Body ground
- (B5) : Lap belt switch LH
- (B9) : Parking brake switch
- (B11) : Lap belt switch RH
- (B12) : Door switch RH
- (B17) : Door switch LH
- (B2) : Fuel pump
- (B3) : Fuel tank gauge unit
- (B25) : To (H)



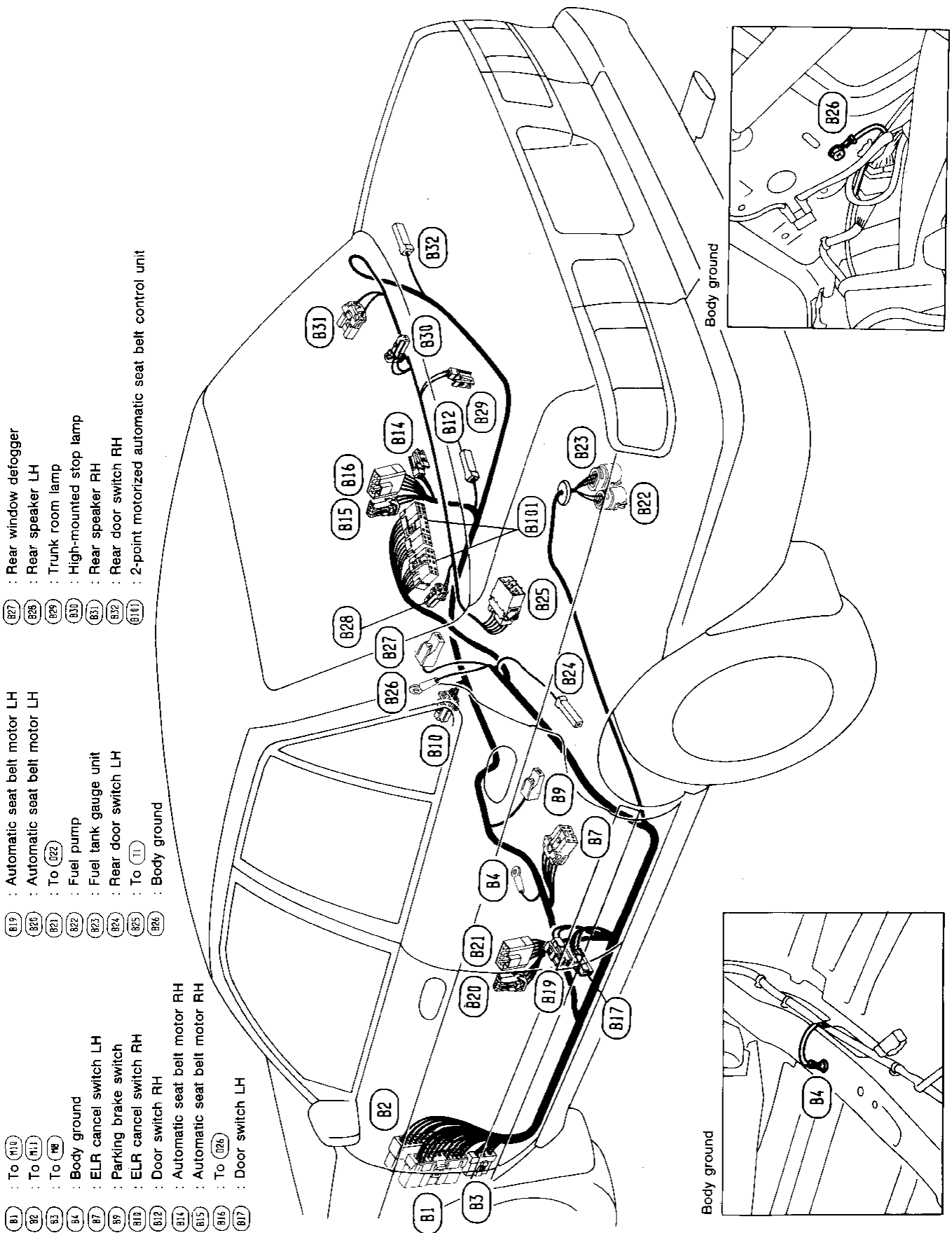
- GI
- MA
- EM
- LC
- EF & EC
- FE
- CL
- MT
- AT
- FA
- RA
- BR
- ST
- BF
- HA
- EL**
- IDX

MEL771BA

HARNESS LAYOUT

Body Harness (Cont'd)

4-DOOR SEDAN (U.S.A.)



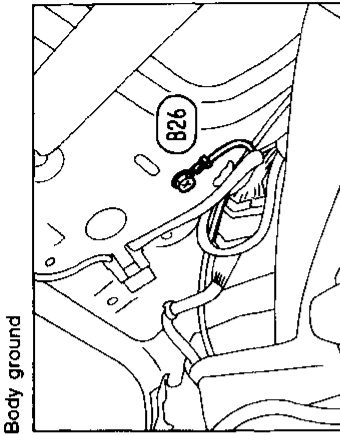
- (B1) : To (B11)
- (B2) : To (B11)
- (B3) : To (B11)
- (B4) : Body ground
- (B7) : ELR cancel switch LH
- (B9) : Parking brake switch
- (B10) : ELR cancel switch RH
- (B11) : Door switch RH
- (B12) : Automatic seat belt motor RH
- (B14) : Automatic seat belt motor RH
- (B15) : Automatic seat belt motor LH
- (B16) : Automatic seat belt motor LH
- (B17) : Door switch LH
- (B19) : Automatic seat belt motor LH
- (B20) : Automatic seat belt motor LH
- (B21) : Automatic seat belt motor LH
- (B22) : Automatic seat belt motor LH
- (B23) : Automatic seat belt motor LH
- (B24) : Automatic seat belt motor LH
- (B25) : Automatic seat belt motor LH
- (B26) : Automatic seat belt motor LH
- (B27) : Automatic seat belt motor LH
- (B28) : Automatic seat belt motor LH
- (B29) : Automatic seat belt motor LH
- (B30) : Automatic seat belt motor LH
- (B31) : Automatic seat belt motor LH
- (B32) : Automatic seat belt motor LH
- (B10) : Fuel pump
- (B11) : Fuel tank gauge unit
- (B12) : Rear door switch LH
- (B13) : Rear door switch RH
- (B14) : 2-point motorized automatic seat belt control unit
- (B15) : Rear window defogger
- (B16) : Rear speaker LH
- (B17) : Trunk room lamp
- (B18) : High-mounted stop lamp
- (B19) : Rear speaker RH
- (B20) : Rear door switch RH
- (B21) : 2-point motorized automatic seat belt control unit

MEL772BA

HARNESS LAYOUT

Body Harness (Cont'd)

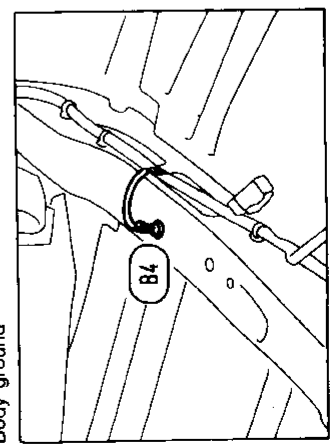
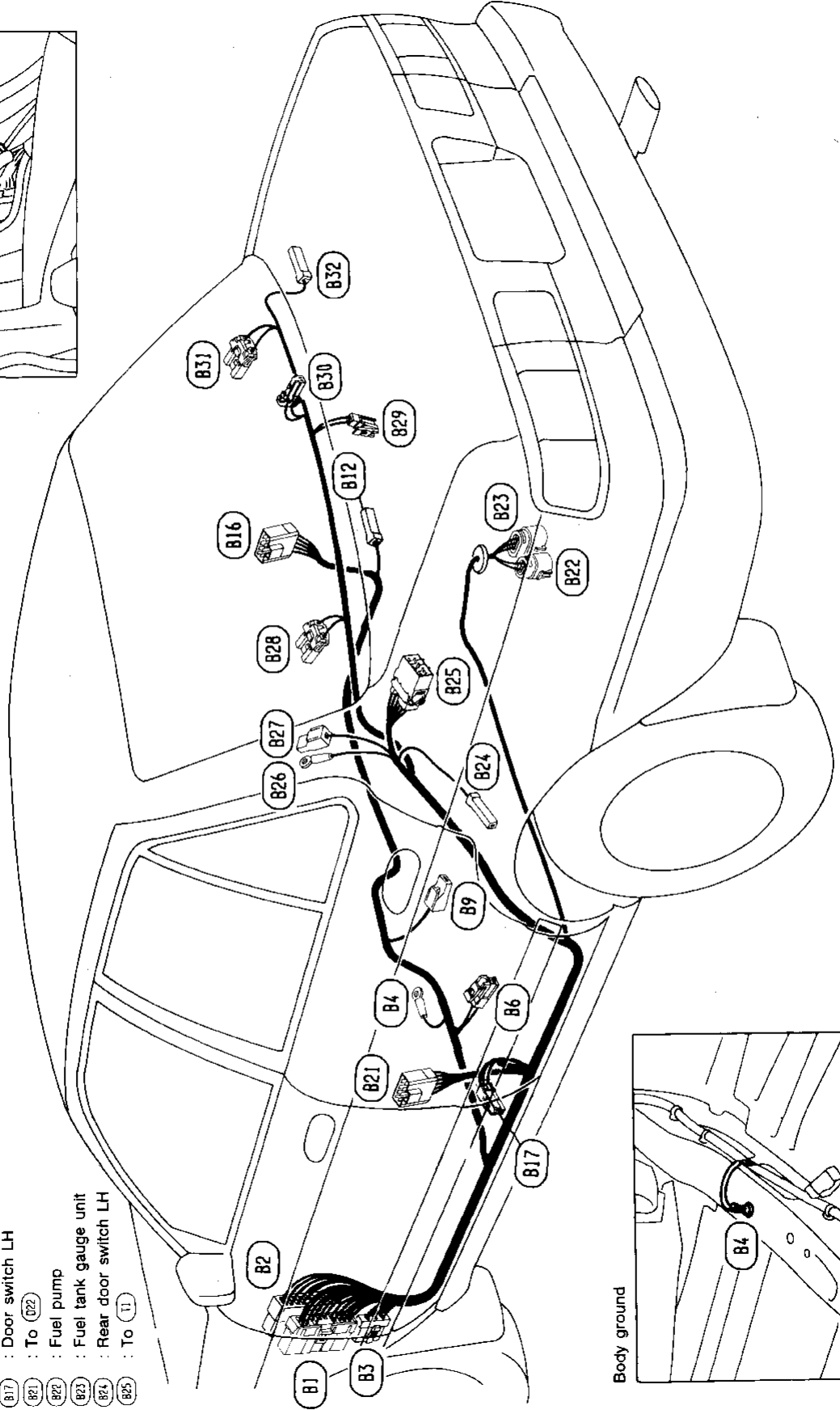
4-DOOR SEDAN (CANADA)



Body ground

- (B26) : Body ground
- (B27) : Rear window defogger
- (B28) : Rear speaker LH
- (B29) : Trunk room lamp
- (B30) : High-mounted stop lamp
- (B31) : Rear speaker RH
- (B32) : Rear door switch RH

- (B1) : To (H19)
- (B2) : To (H11)
- (B3) : To (H8)
- (B4) : Body ground
- (B5) : Lap belt switch
- (B6) : Parking brake switch
- (B7) : Door switch RH
- (B8) : To (D26)
- (B9) : Door switch LH
- (B10) : To (D22)
- (B11) : Fuel pump
- (B12) : Fuel tank gauge unit
- (B13) : Rear door switch LH
- (B14) : To (T1)



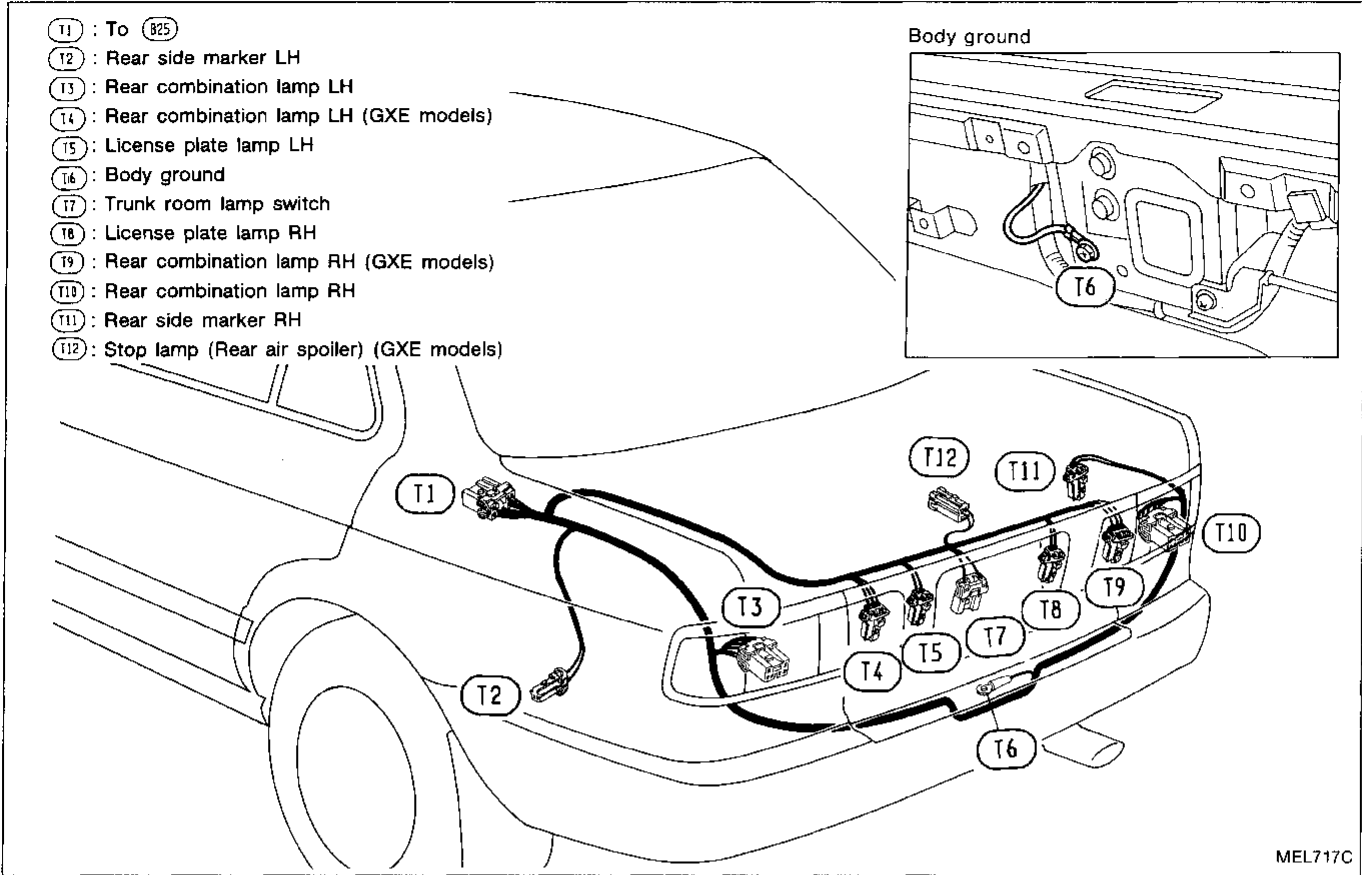
Body ground

- CI
- MA
- EM
- LC
- EF & EC
- FE
- CL
- WT
- AT
- FA
- RA
- BR
- ST
- BF
- HA
- EL**
- IDX

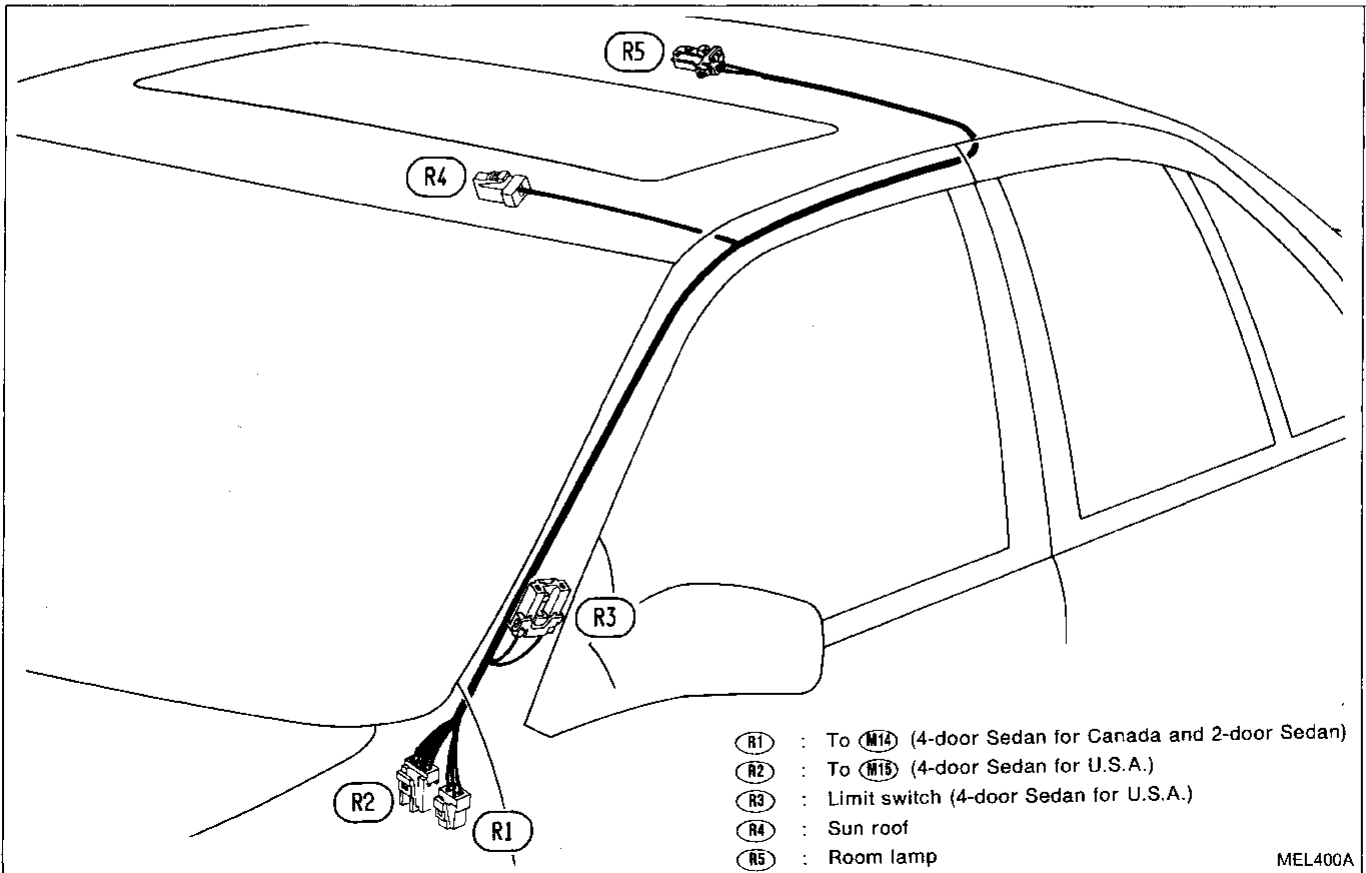
MEL773BA

HARNES LAYOUT

Tail Harness

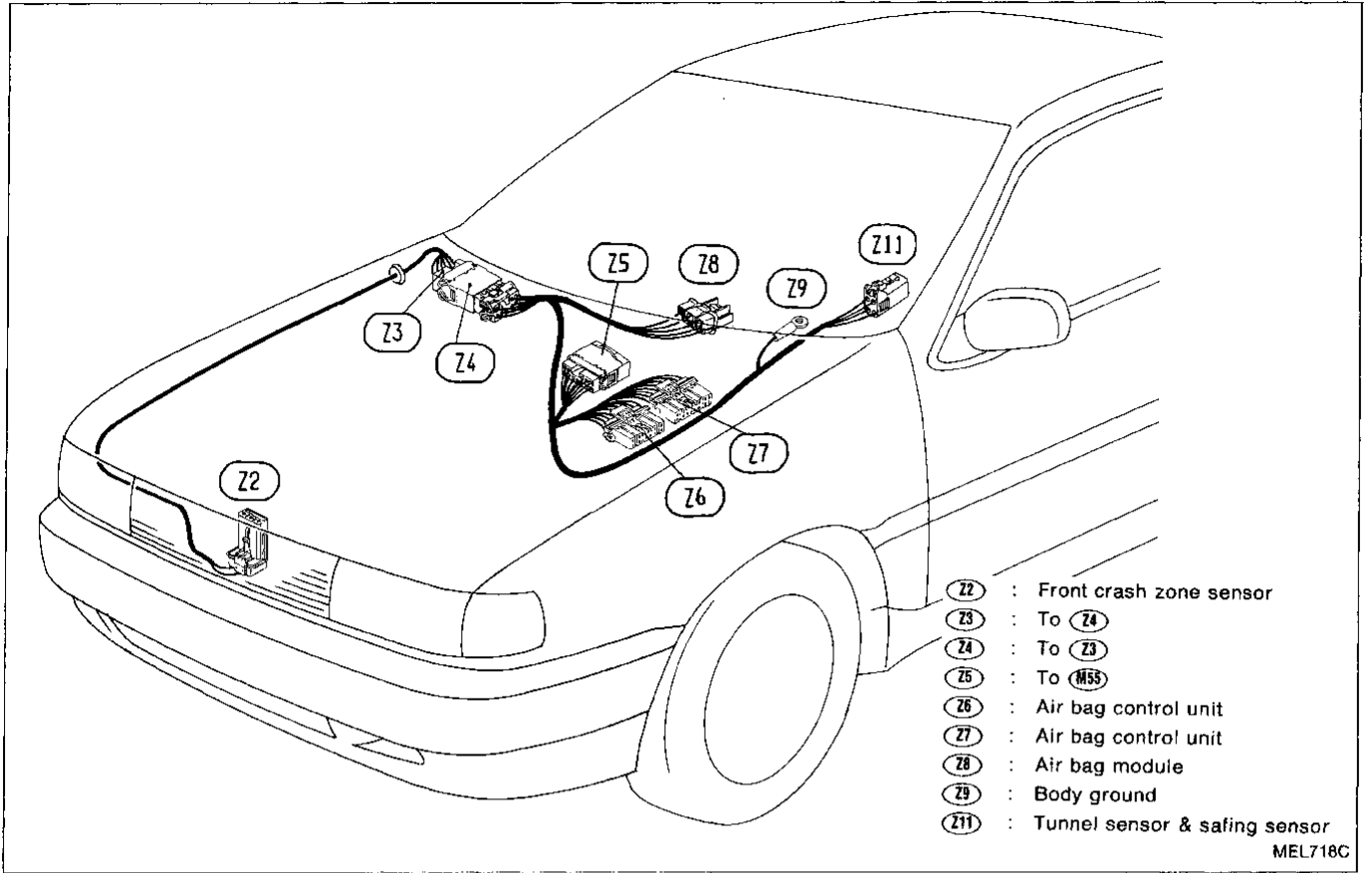


Room Lamp Harness



HARNES LAYOUT

Air Bag Harness



GI

MA

EM

LC

EF &
EC

FE

CL

MT

AT

FA

RA

BR

ST

BF

HA

EL

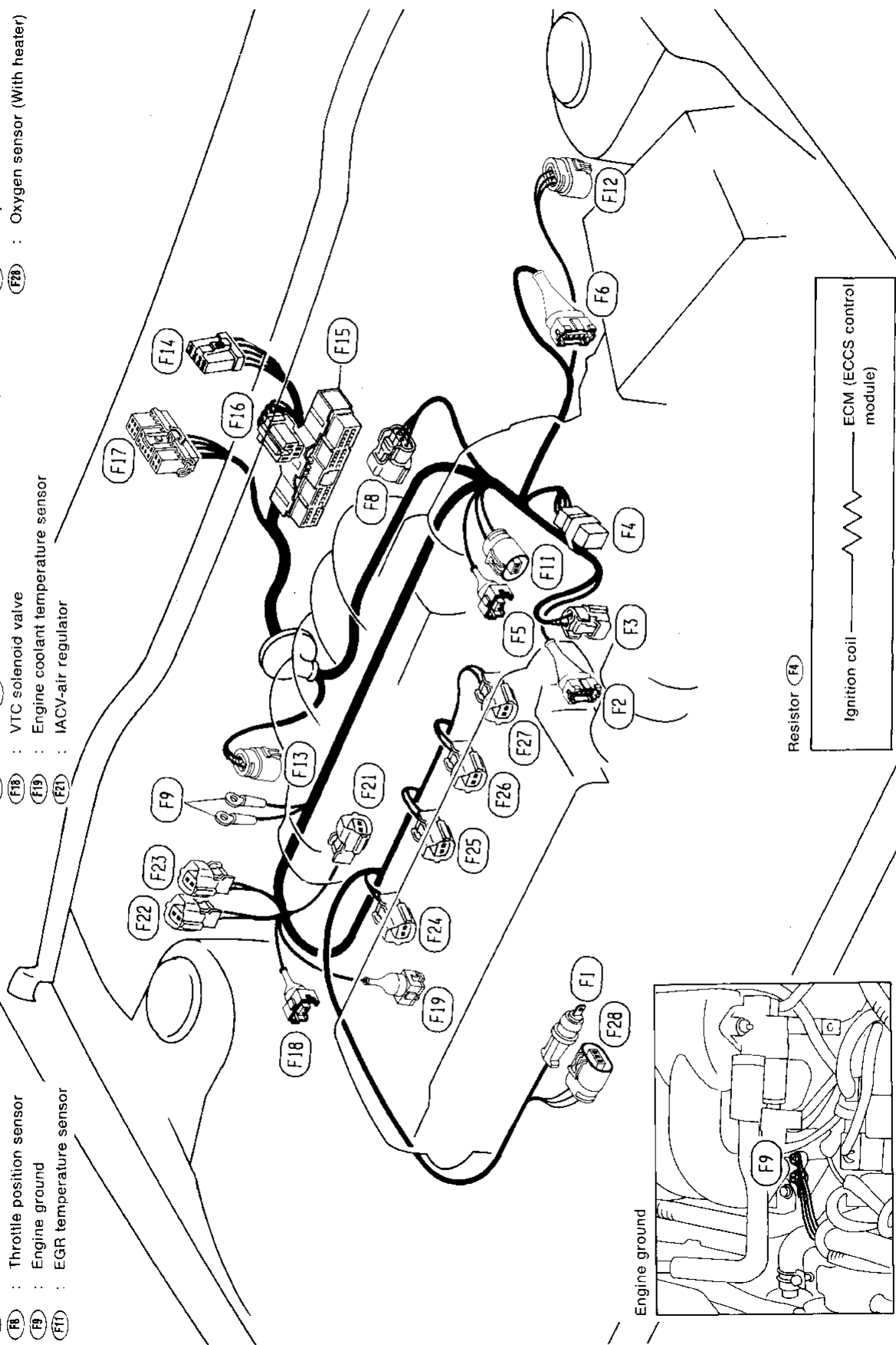
IDX

HARNESS LAYOUT

Engine Control Harness

GA ENGINE

- (F1) : Oxygen sensor (Without heater)
- (F2) : Camshaft position sensor
- (F3) : Ignition coil
- (F4) : Resistor & condenser
- (F5) : EGR & canister control solenoid valve
- (F6) : Mass air flow sensor
- (F7) : Throttle position sensor
- (F8) : Engine ground
- (F9) : EGR temperature sensor
- (F10) : Power transistor
- (F11) : Power steering oil pressure switch
- (F12) : To (M52)
- (F13) : ECM (ECCS control module)
- (F14) : ECCS relay
- (F15) : To (M51)
- (F16) : VTC solenoid valve
- (F17) : Engine coolant temperature sensor
- (F18) : IACV-air regulator
- (F19) : IACV-FICD solenoid valve
- (F20) : IACV-AAC valve
- (F21) : Injector No. 1
- (F22) : Injector No. 2
- (F23) : Injector No. 3
- (F24) : Injector No. 4
- (F25) : Oxygen sensor (With heater)



MEL856C

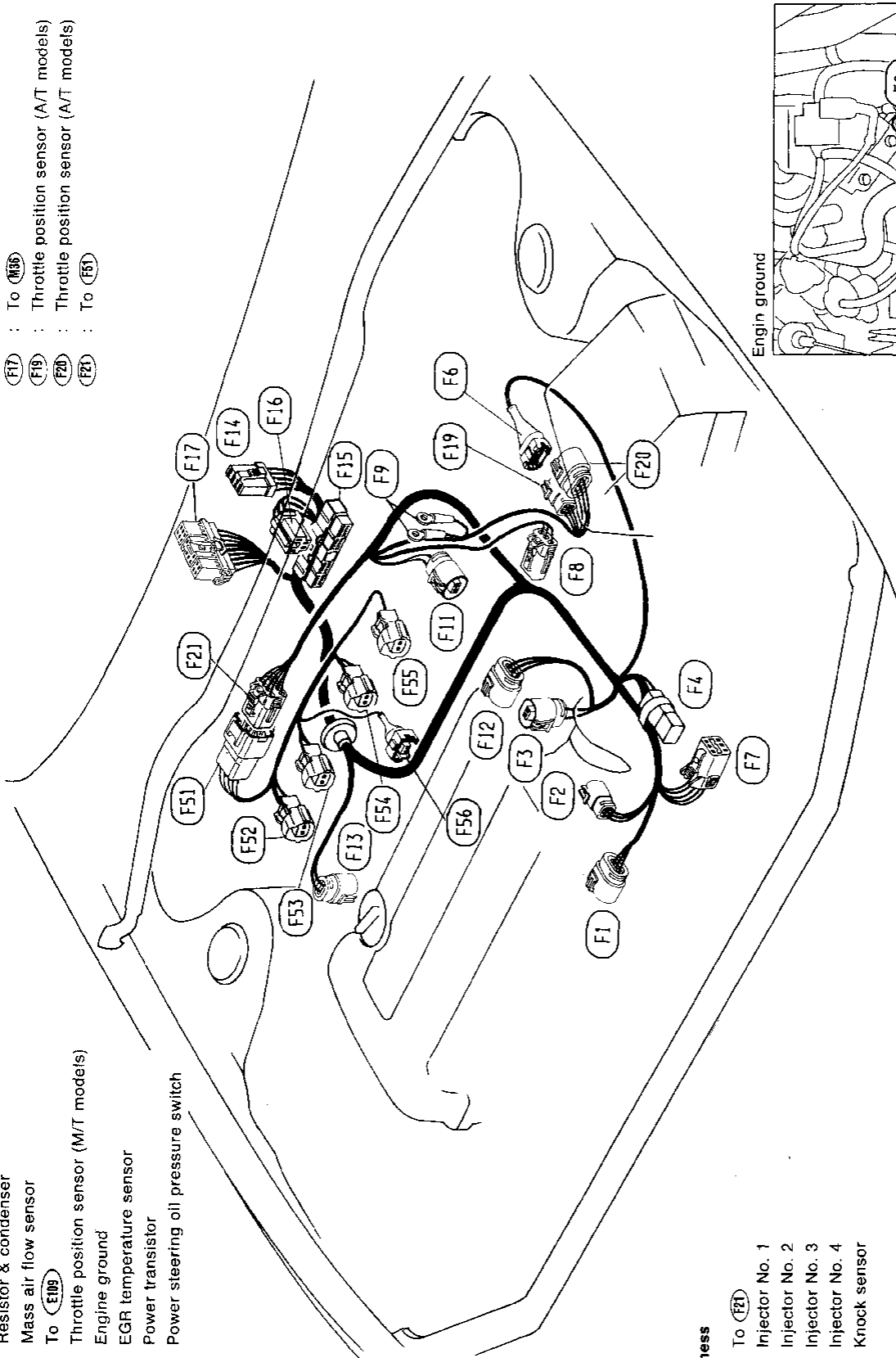
HARNESS LAYOUT

Engine Control Harness (Cont'd)

SR ENGINE

- (F14) : To (M52)
- (F15) : ECM (ECCS control module)
- (F16) : ECCS relay
- (F17) : To (M36)
- (F19) : Throttle position sensor (A/T models)
- (F20) : Throttle position sensor (A/T models)
- (F21) : To (F51)

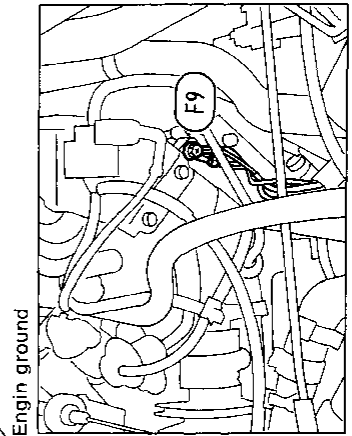
- (F1) : Heated oxygen sensor
- (F2) : Camshaft position sensor
- (F3) : Ignition coil
- (F4) : Resistor & condenser
- (F6) : Mass air flow sensor
- (F7) : To (E109)
- (F8) : Throttle position sensor (M/T models)
- (F9) : Engine ground
- (F11) : EGR temperature sensor
- (F12) : Power transistor
- (F13) : Power steering oil pressure switch



Sub-harness

- (F51) : To (F21)
- (F52) : Injector No. 1
- (F53) : Injector No. 2
- (F54) : Injector No. 3
- (F55) : Injector No. 4
- (F56) : Knock sensor

Resistor (F4)

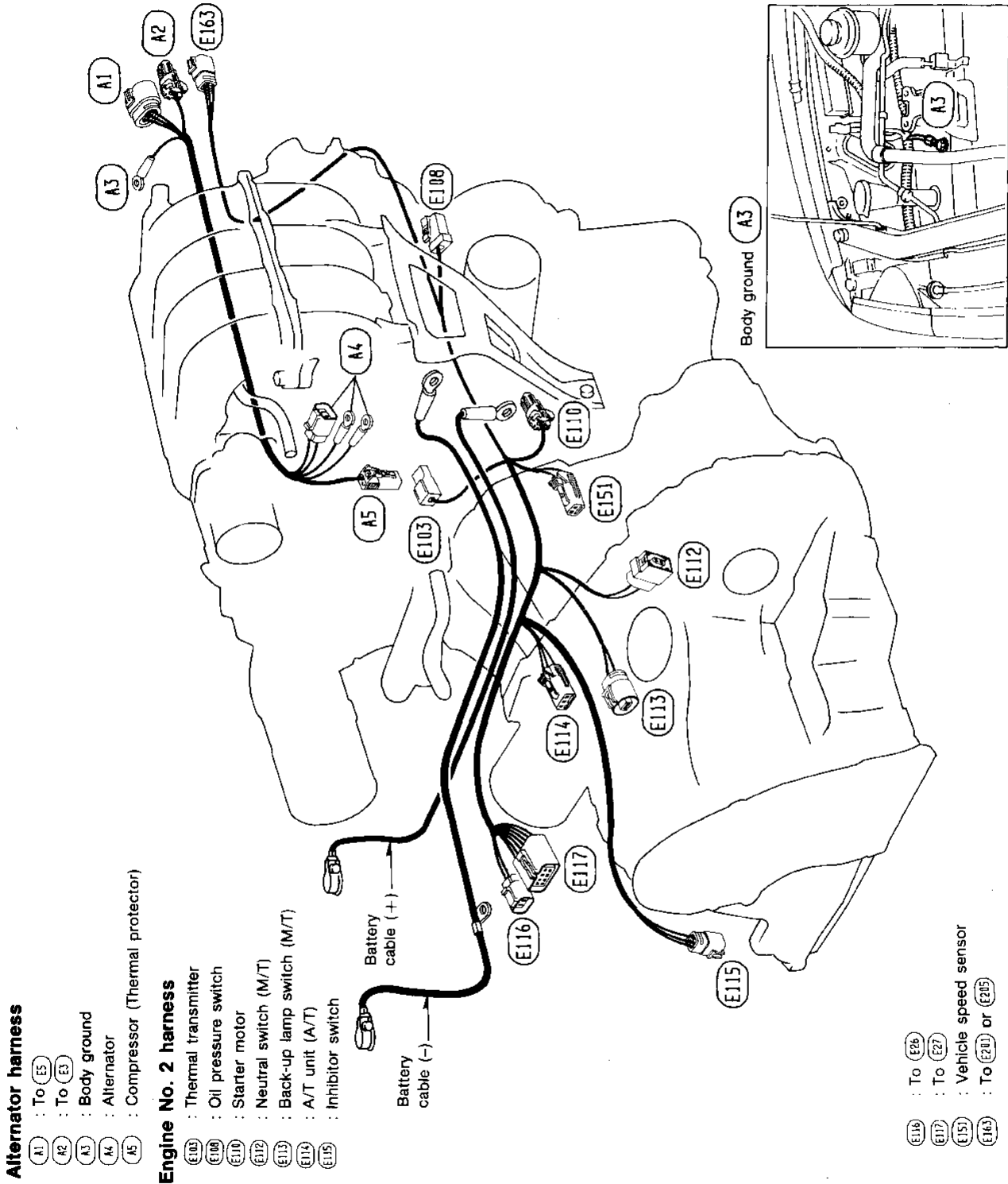


- GI
- MA
- EM
- LC
- EF & EC
- FE
- CL
- MT
- AT
- FA
- RA
- BR
- ST
- BF
- HA
- EL**
- IDX

HARNES LAYOUT

Alternator Harness & Engine No. 2 Harness

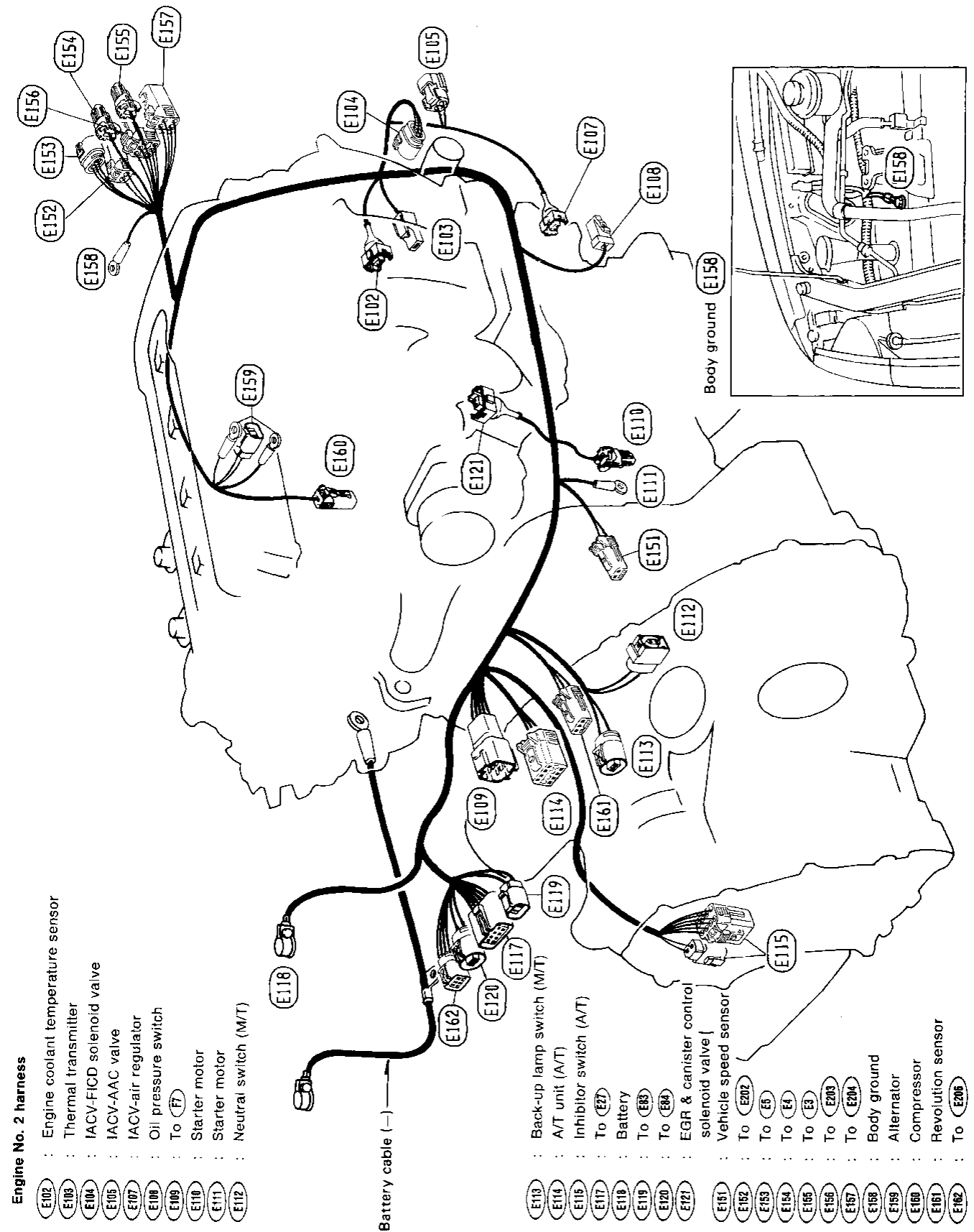
GA ENGINE



HARNESS LAYOUT

Alternator Harness & Engine No. 2 Harness (Cont'd)

SR ENGINE

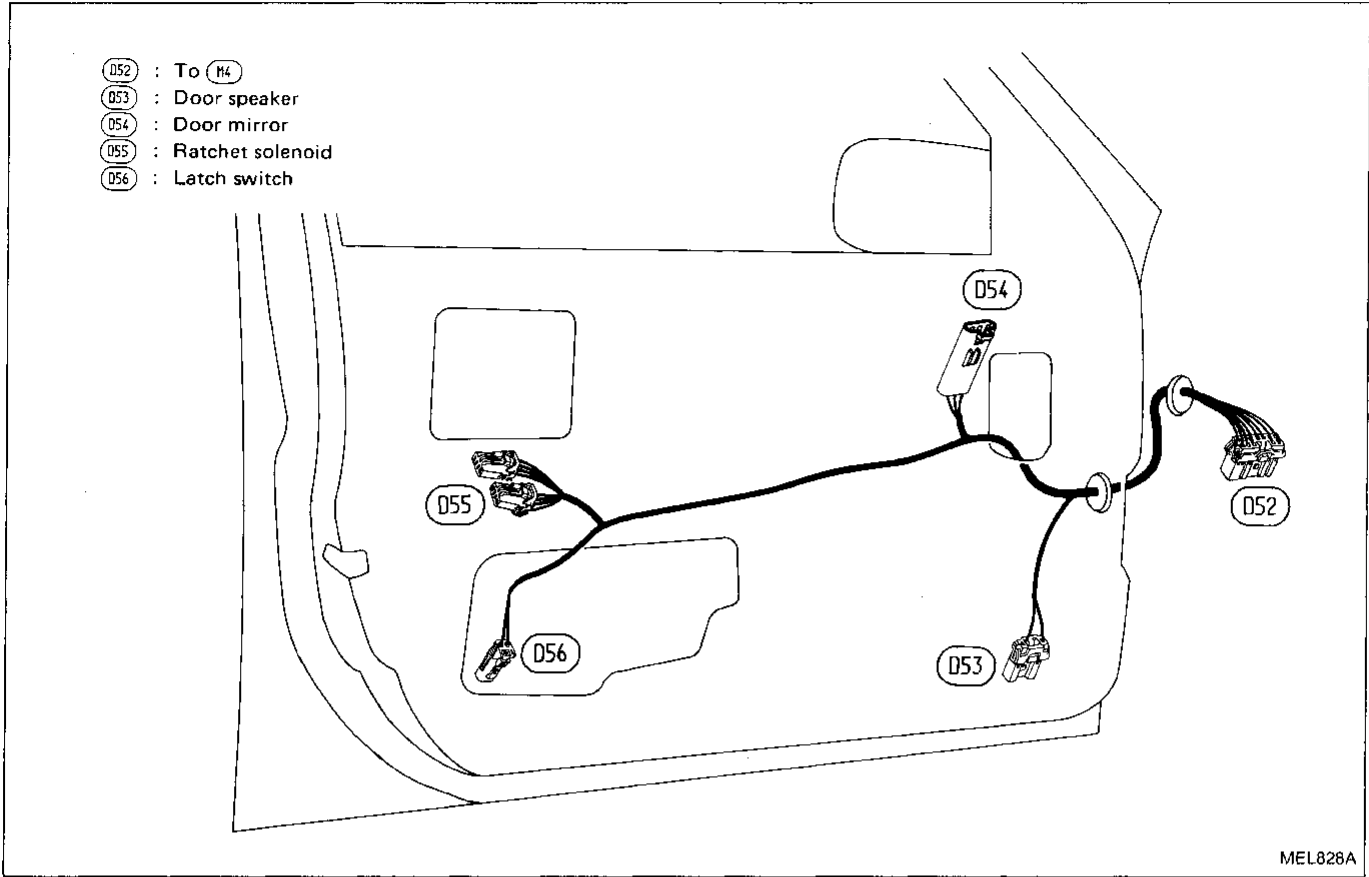


HARNESS LAYOUT

Door Harness (2-door Sedan)

LH SIDE

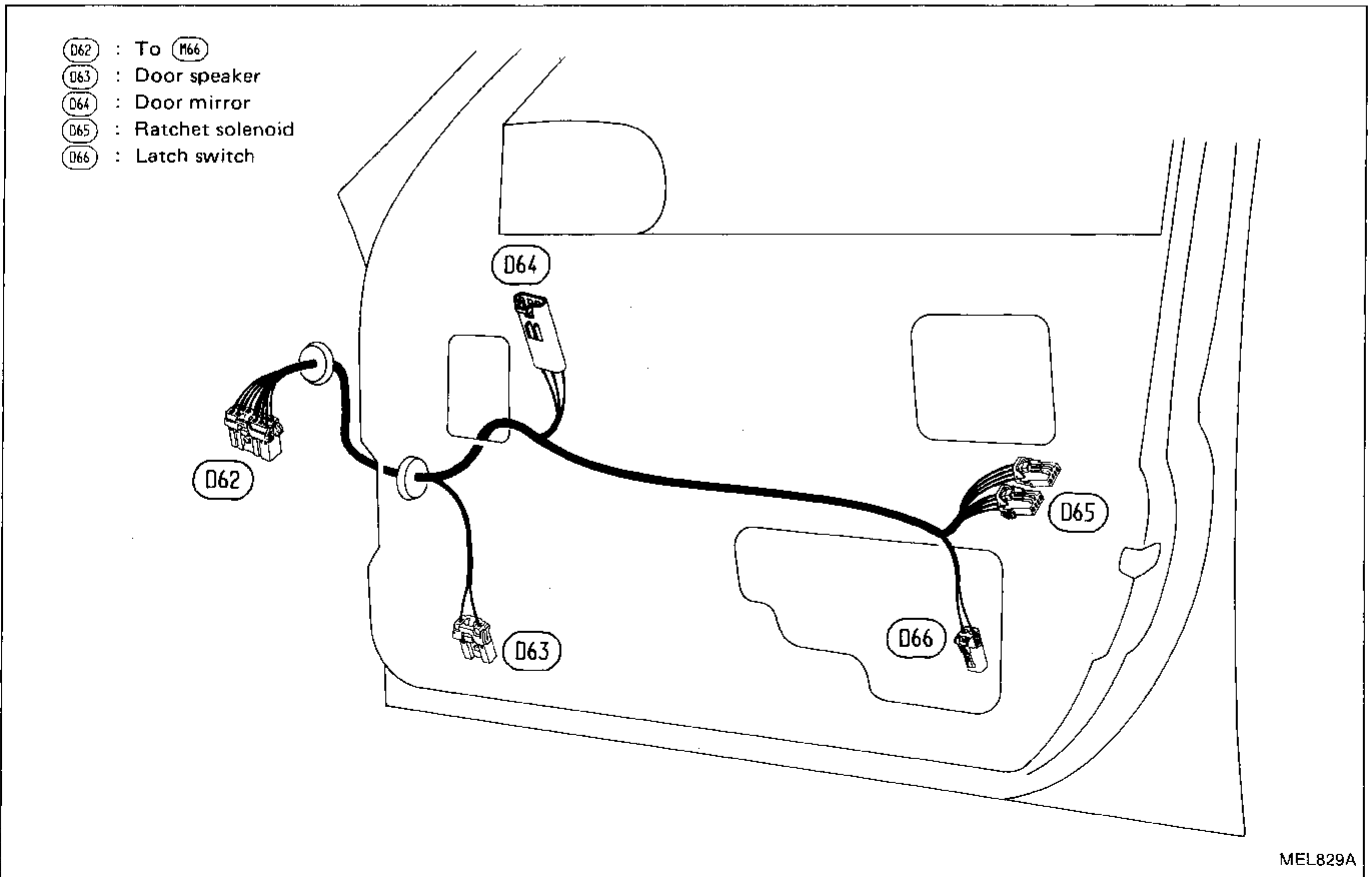
- D52 : To M4
- D53 : Door speaker
- D54 : Door mirror
- D55 : Ratchet solenoid
- D56 : Latch switch



MEL828A

RH SIDE

- D62 : To M66
- D63 : Door speaker
- D64 : Door mirror
- D65 : Ratchet solenoid
- D66 : Latch switch



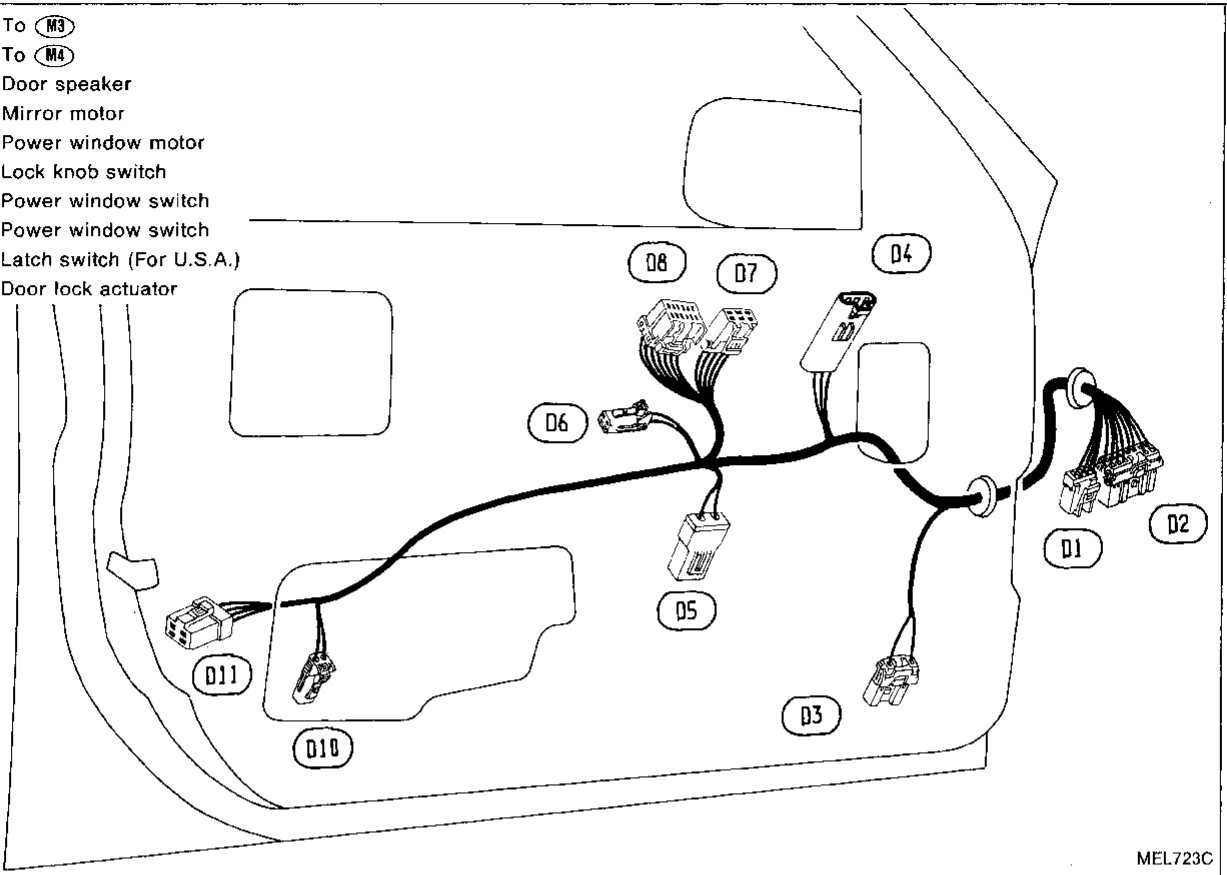
MEL829A

HARNESS LAYOUT

Door Harness (4-door Sedan)

FRONT LH side

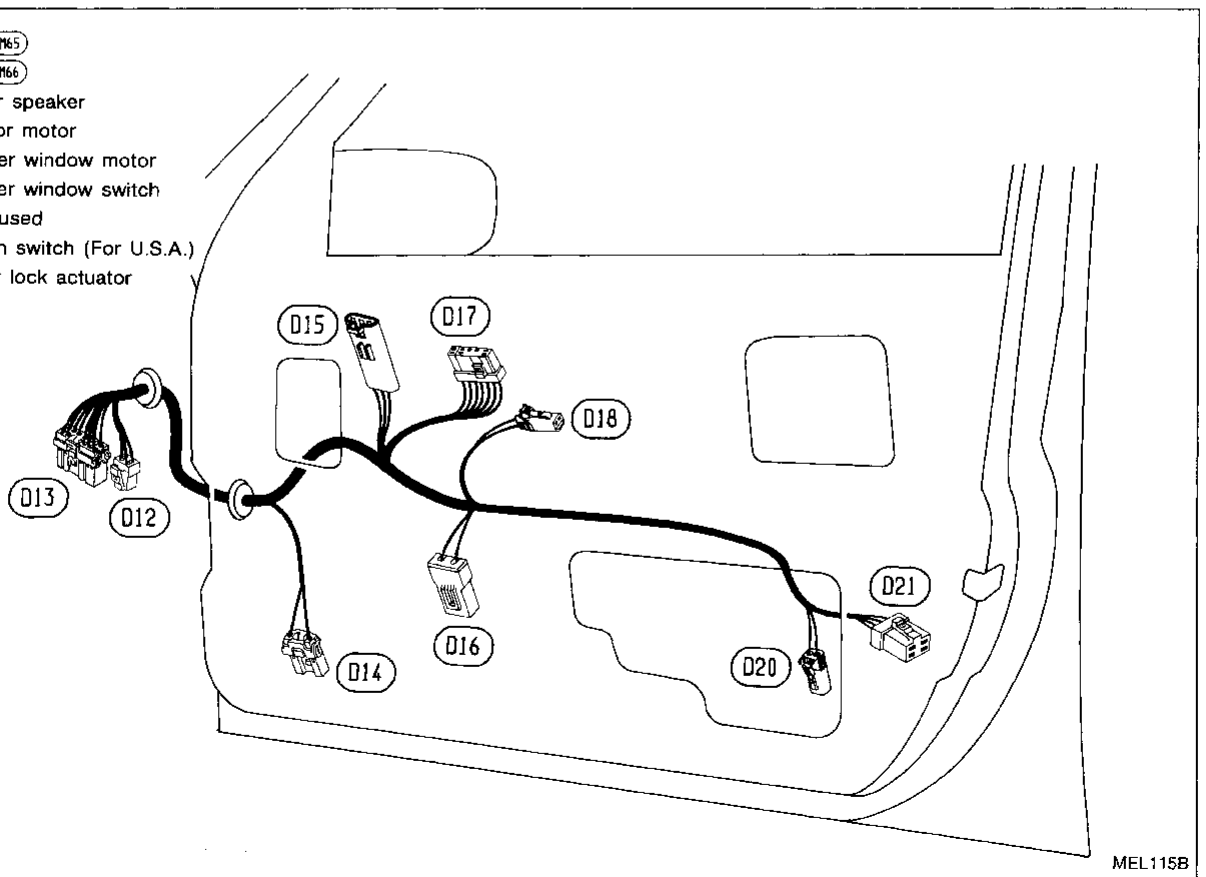
- D1 : To M3
- D2 : To M4
- D3 : Door speaker
- D4 : Mirror motor
- D5 : Power window motor
- D6 : Lock knob switch
- D7 : Power window switch
- D8 : Power window switch
- D10 : Latch switch (For U.S.A.)
- D11 : Door lock actuator



GI
MA
EM
LC
EF &
EC
FE
CL
MT
AT

RH side

- D12 : To M65
- D13 : To M66
- D14 : Door speaker
- D15 : Mirror motor
- D16 : Power window motor
- D17 : Power window switch
- D18 : Not used
- D20 : Latch switch (For U.S.A.)
- D21 : Door lock actuator

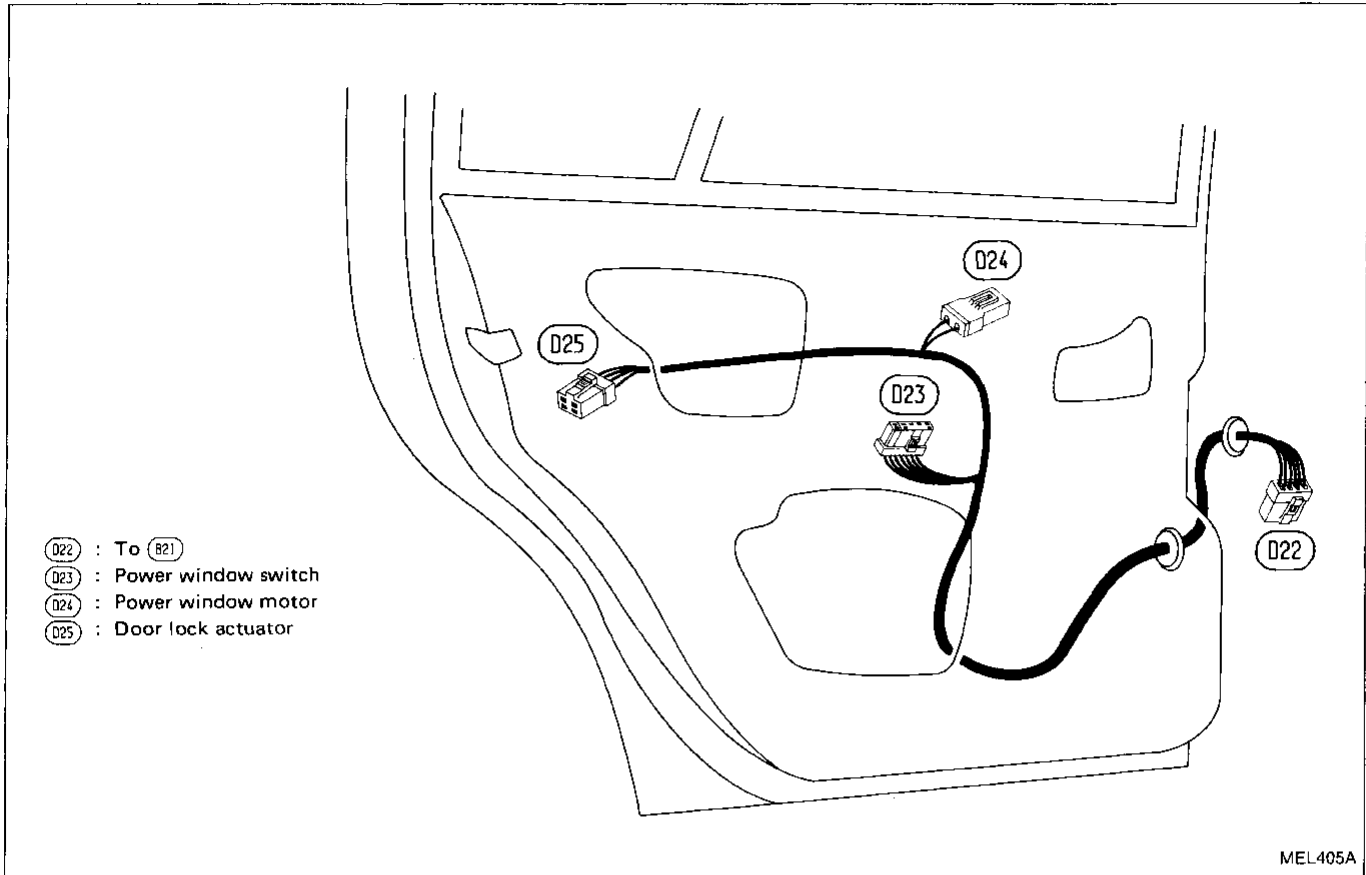


FA
RA
BR
ST
BF
HA
EL
IDX

HARNESS LAYOUT

Door Harness (4-door Sedan) (Cont'd)

REAR
LH side



RH side

