

# ELECTRICAL SYSTEM

## SECTION EL

### When you read wiring diagrams:

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

When you perform trouble diagnoses, read GI section, "HOW TO FOLLOW FLOW CHART IN TROUBLE DIAGNOSES" and "HOW TO PERFORM EFFICIENT DIAGNOSIS FOR AN ELECTRICAL INCIDENT".

- Check for any service bulletins before servicing the vehicle.

### MODIFICATION NOTICE:

- Wiring Diagrams have been changed.
- Service Data and Specifications (SDS) for battery, starter motor and alternator have been changed.

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## Supplemental Restraint System (SRS) “AIR BAG” and “SEAT BELT PRE-TENSIONER”

The Supplemental Restraint System such as “AIR BAG” and “SEAT BELT PRE-TENSIONER” used along with a seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. The SRS composition which is available to NISSAN MODEL Y61 is as follows (The composition varies according to the destination and optional equipment.):

- For a frontal collision  
The Supplemental Restraint System consists of driver air bag module (located in the center of the steering wheel), front passenger air bag module (located on the instrument panel on passenger side), seat belt pre-tensioners, a diagnosis sensor unit, warning lamp, wiring harness and spiral cable.
- For a side collision  
The Supplemental Restraint System consists of front side air bag module (located in the outer side of front seat), satellite sensor, diagnosis sensor unit (one of components of air bags for a frontal collision), wiring harness, warning lamp (one of components of air bags for a frontal collision).

### WARNING:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance should be performed by an authorized NISSAN dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system.
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow harness connector.

## Precautions for Trouble Diagnoses

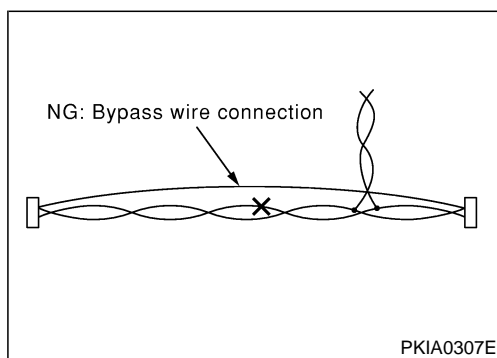
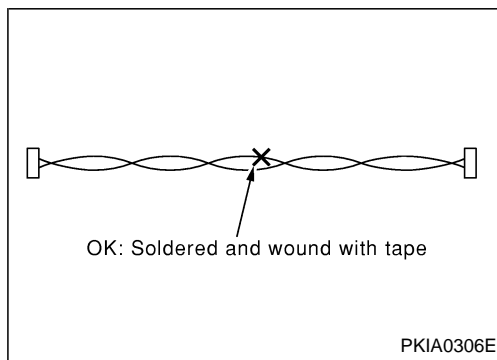
### CAN SYSTEM

- Do not apply voltage of 7.0V or higher to the measurement terminals.
- Use the tester with its open terminal voltage being 7.0V or less.

## Precautions for Harness Repair

### CAN SYSTEM

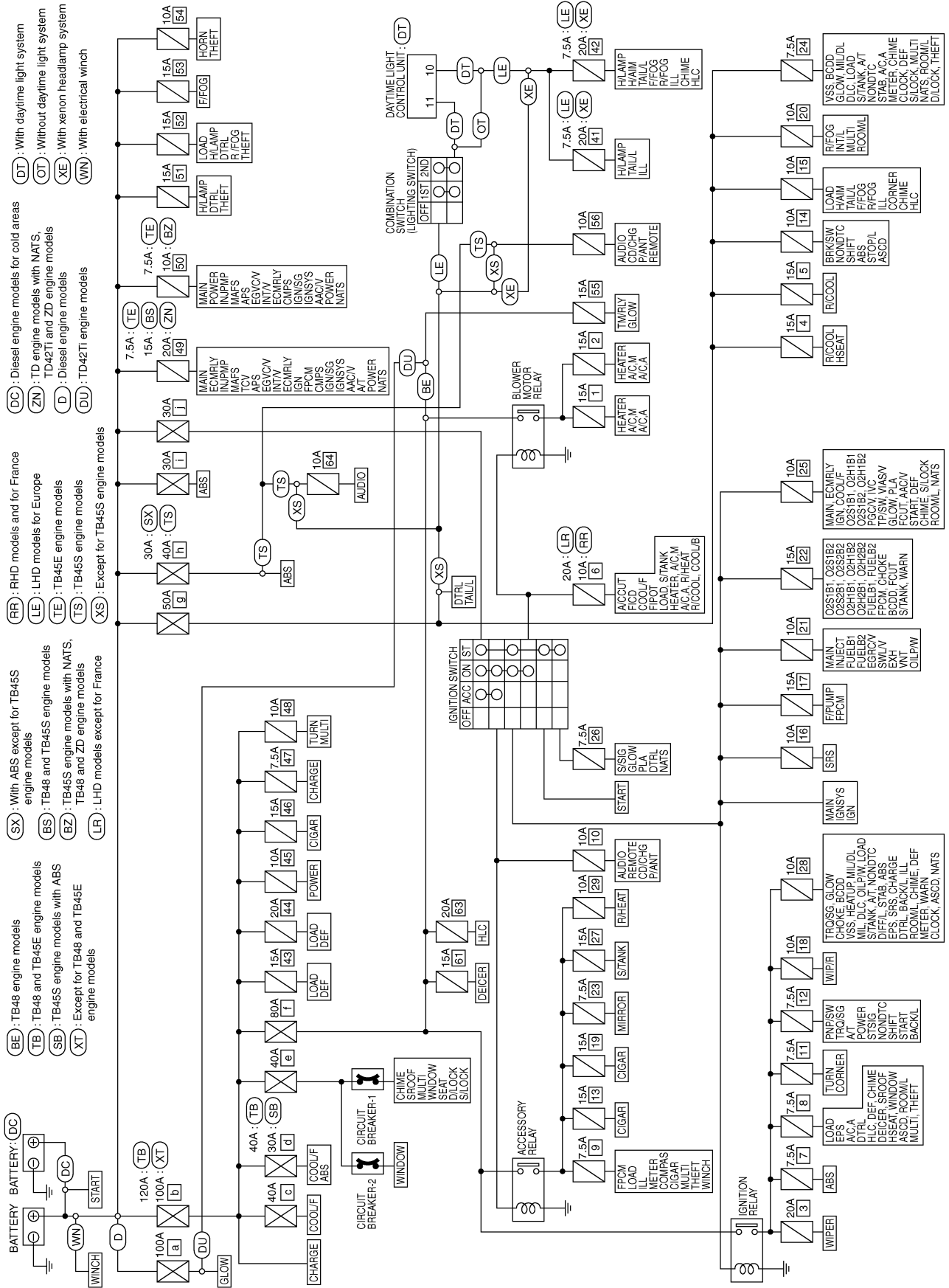
- Solder the repaired parts, and wrap with tape. [Frays of twisted line must be within 110 mm (4.33 in)]
- Do not perform bypass wire connections for the repair parts. (The spliced wire will become separated and the characteristics of twisted line will be lost.)



GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

# POWER SUPPLY ROUTING/WAGON AND HARDTOP MODELS

## Schematic

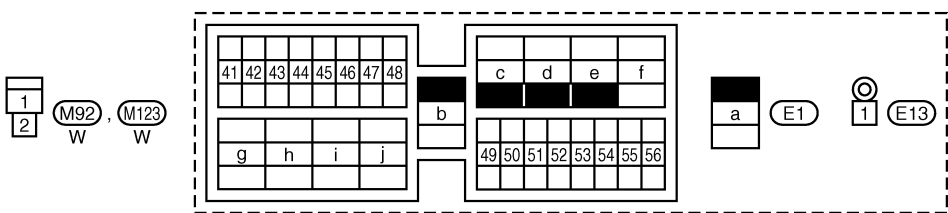
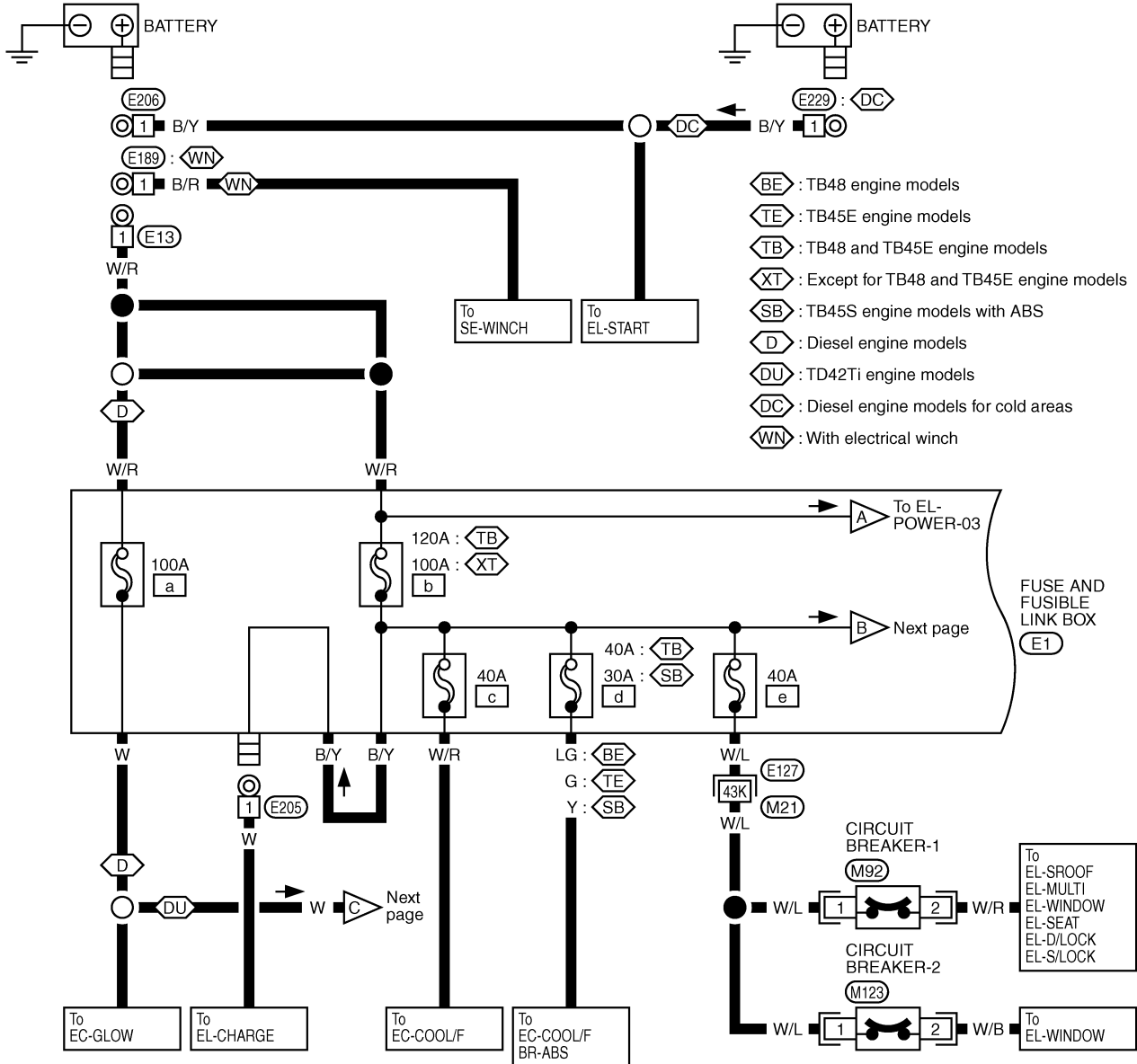


# POWER SUPPLY ROUTING/WAGON AND HARDTOP MODELS

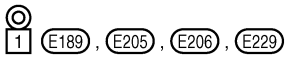
## Wiring Diagram — POWER —

### BATTERY POWER SUPPLY — IGNITION SW. IN ANY POSITION

EL-POWER-01



Refer to last page (Foldout page).  
M21, E127



GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
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SE  
IDX

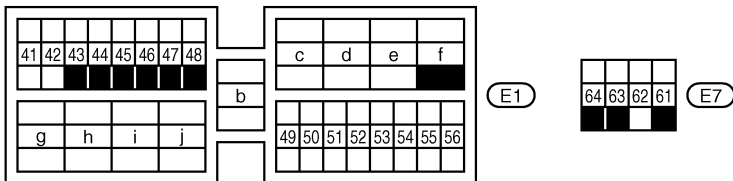
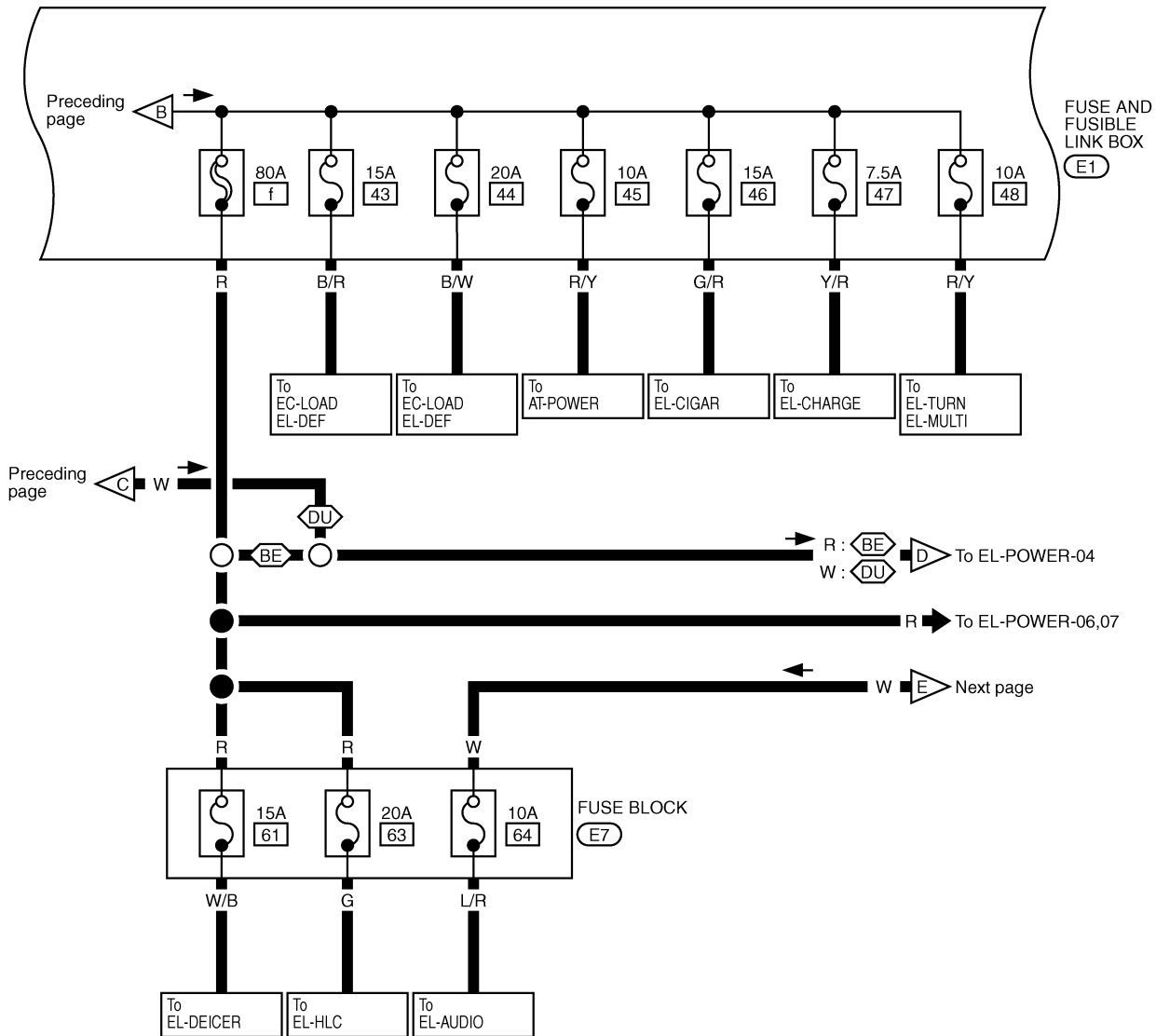
# POWER SUPPLY ROUTING/WAGON AND HARDTOP MODELS

## Wiring Diagram — POWER — (Cont'd)

### EL-POWER-02

BE : TB48 engine models

DU : TD42Ti engine models

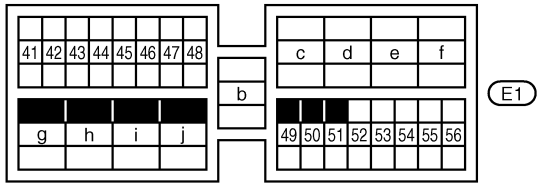
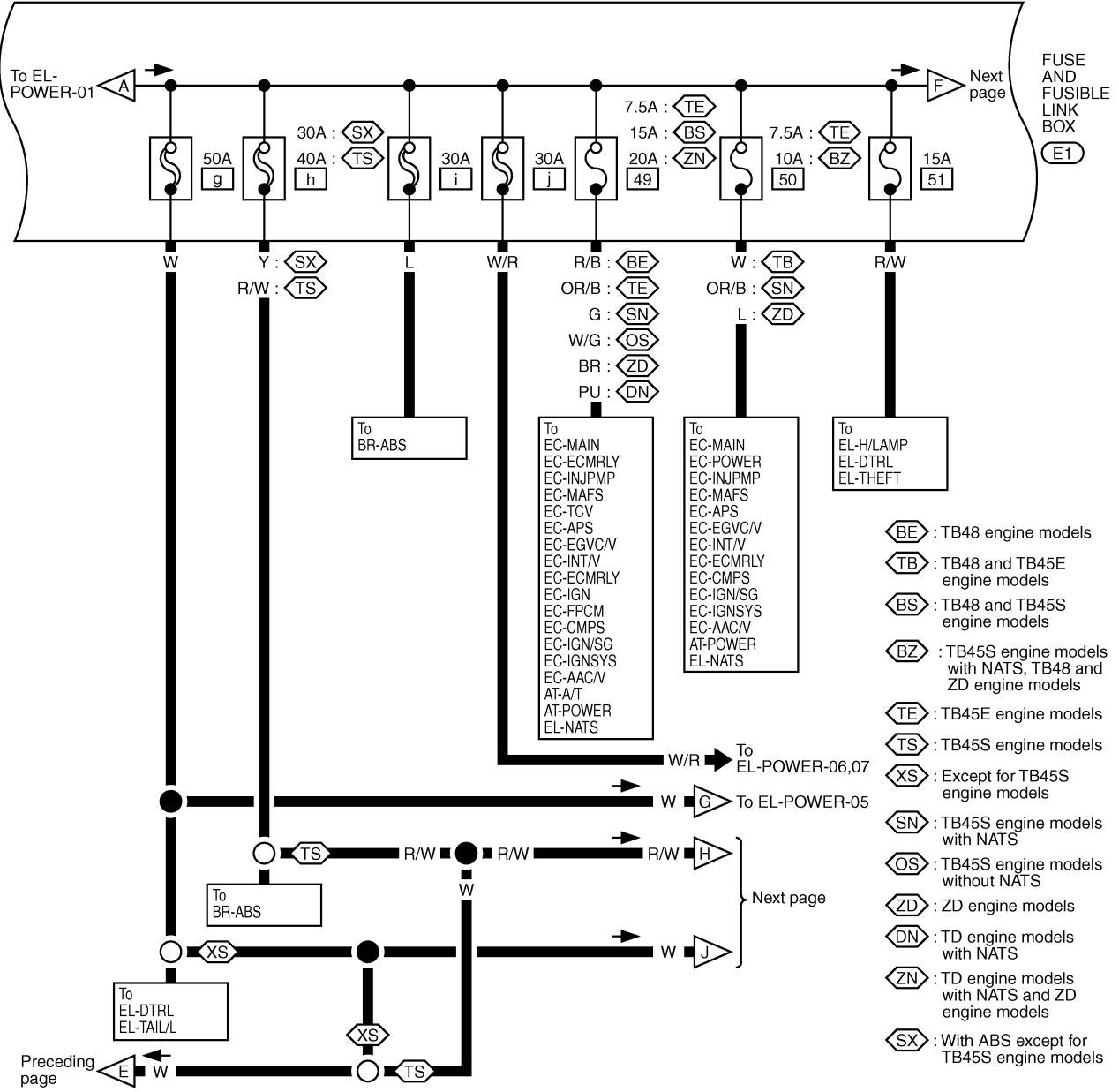




# POWER SUPPLY ROUTING/WAGON AND HARDTOP MODELS

## Wiring Diagram — POWER — (Cont'd)

EL-POWER-03



GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA

**EL**

SE  
IDX

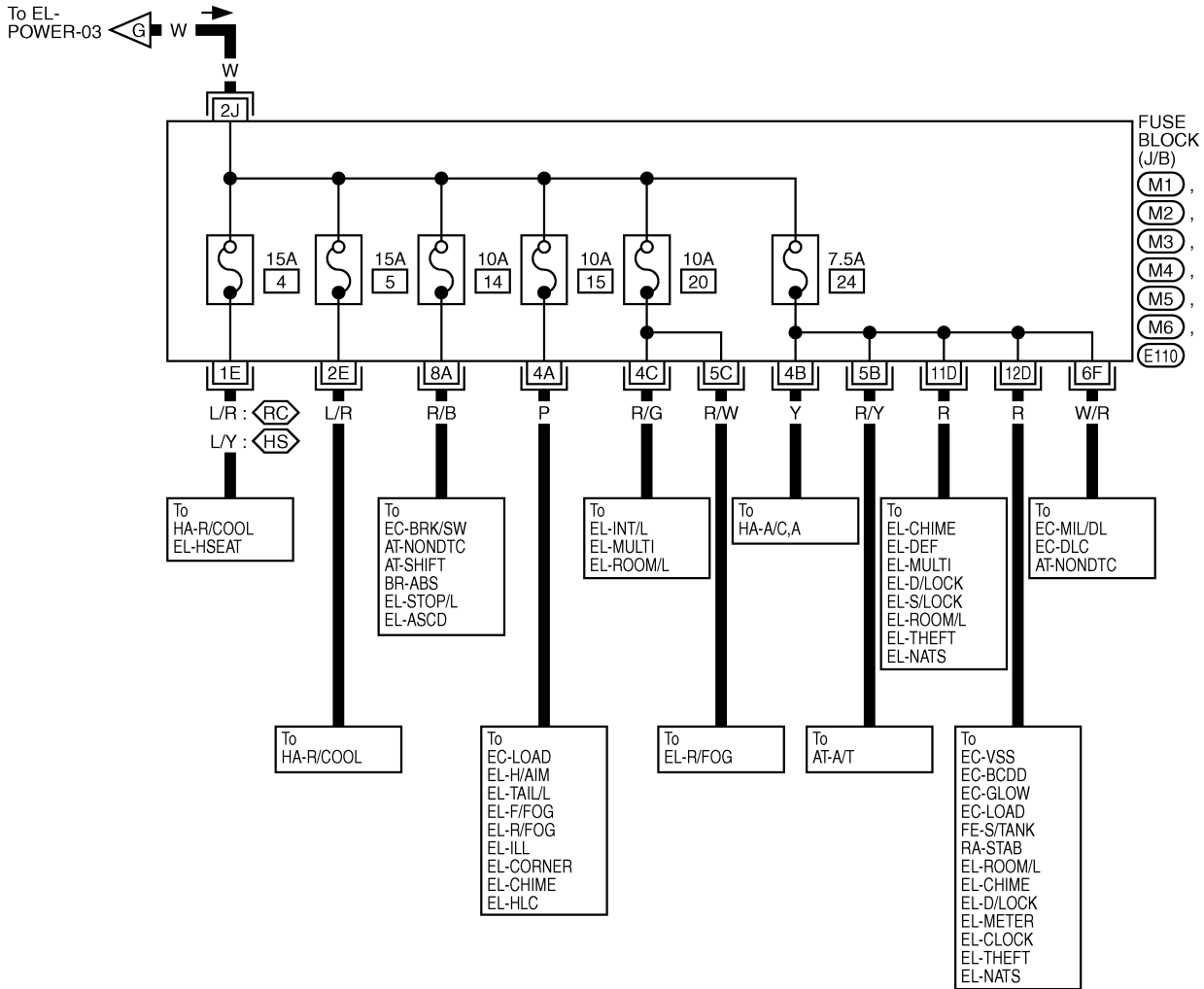


# POWER SUPPLY ROUTING/WAGON AND HARDTOP MODELS

## Wiring Diagram — POWER — (Cont'd)

EL-POWER-05

◁RC▷ : With rear cooler  
 ▷HS◁ : With heated seat



Refer to last page (Foldout page).

M1, M2, M3, M4,  
 M5, M6, E110

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		

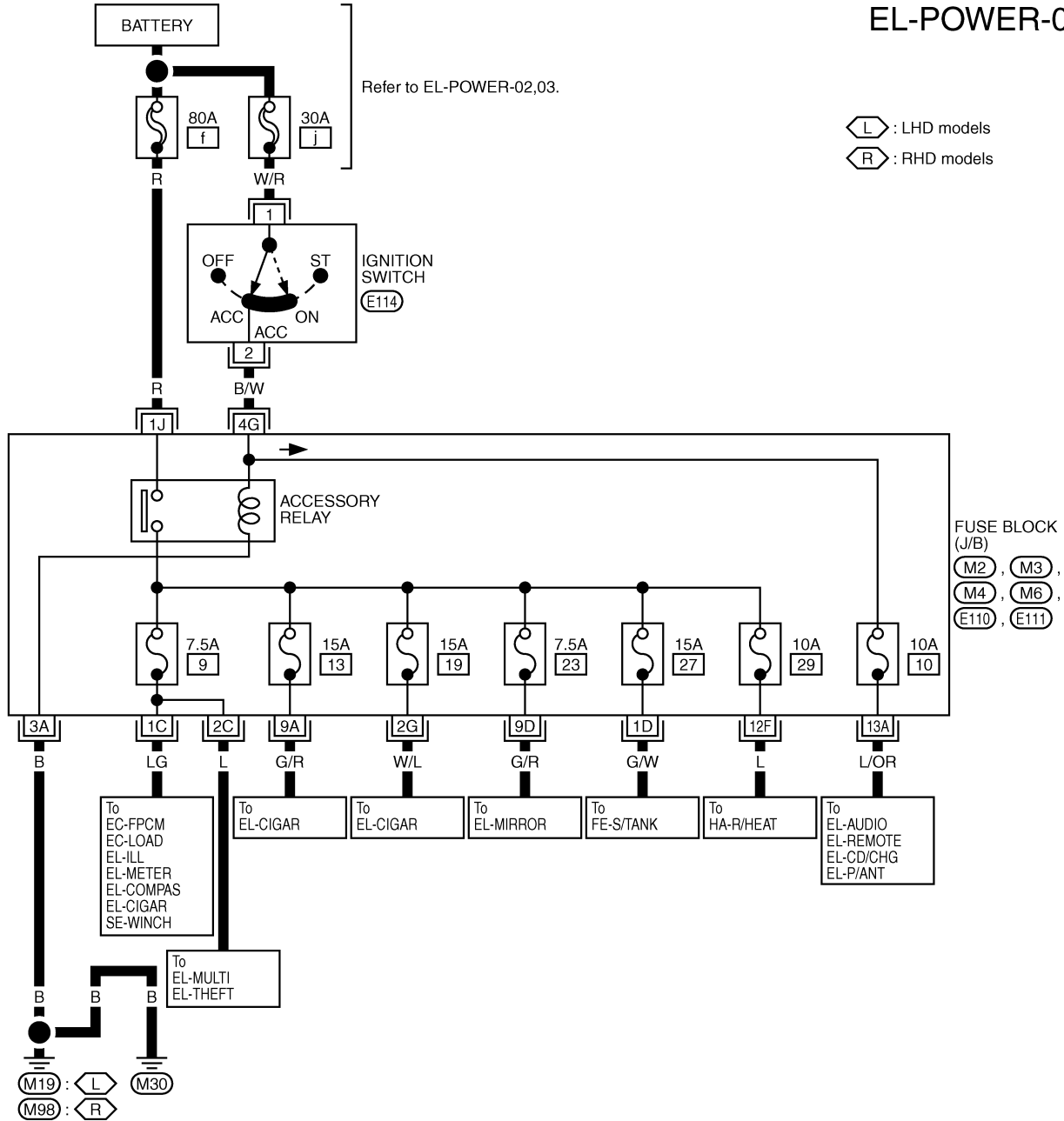
GI  
 MA  
 EM  
 LC  
 EC  
 FE  
 CL  
 MT  
 AT  
 TF  
 PD  
 FA  
 RA  
 BR  
 ST  
 RS  
 BT  
 HA  
 EL  
 SE  
 IDX

# POWER SUPPLY ROUTING/WAGON AND HARDTOP MODELS

## Wiring Diagram — POWER — (Cont'd)

### ACCESSORY POWER SUPPLY — IGNITION SW. IN "ACC" OR "ON"

EL-POWER-06



3	5	1
4	2	6

(E114)  
W

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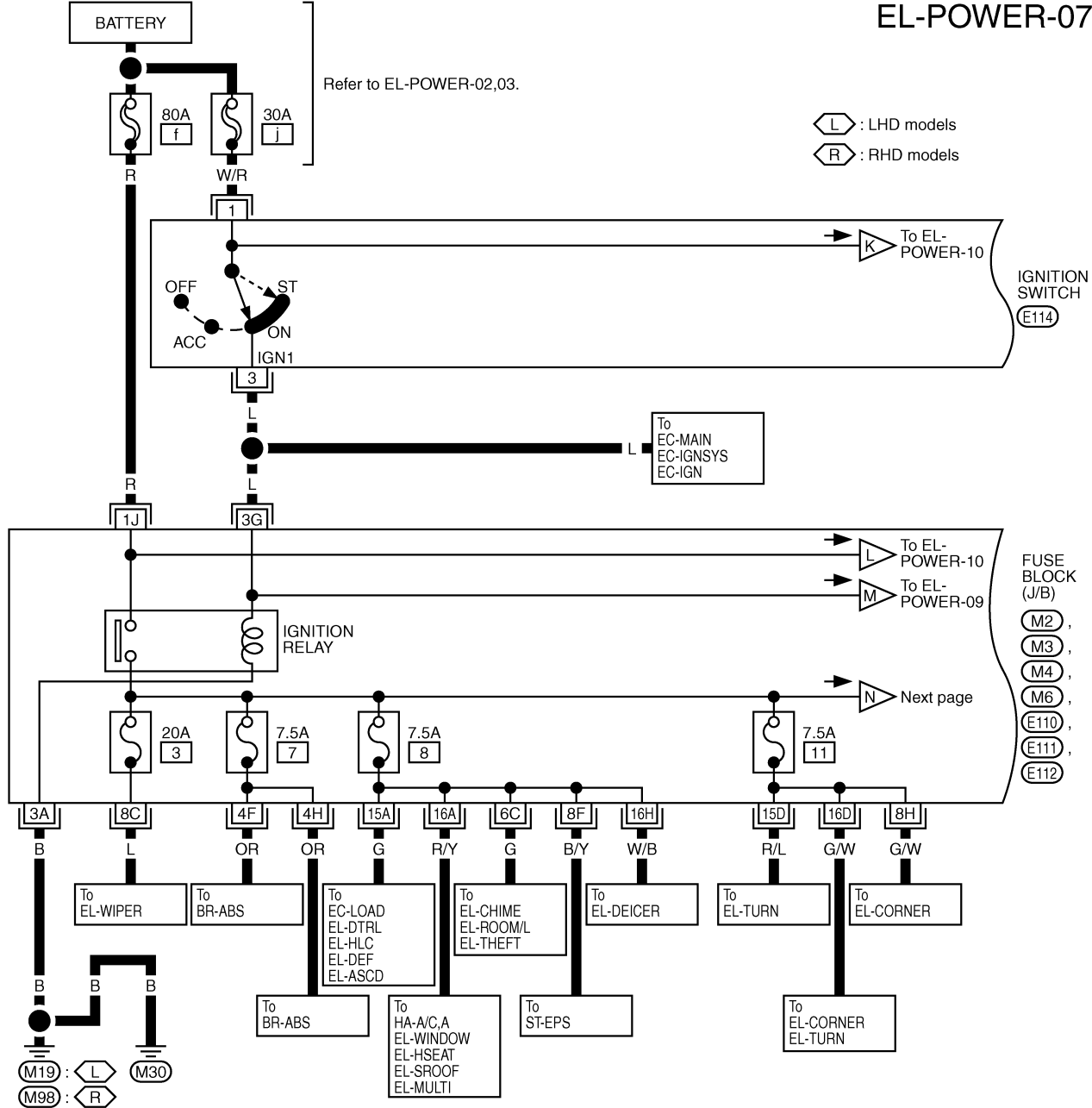
(M2)	(M3)	(M4)	(M6)	
(E110)	(E111)			
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23		
24	25	26		
27	28	29		

# POWER SUPPLY ROUTING/WAGON AND HARDTOP MODELS

## Wiring Diagram — POWER — (Cont'd)

### IGNITION POWER SUPPLY — IGNITION SW. IN "ON" AND/OR "START"

EL-POWER-07



GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

3	5	1
4	2	6

E114  
W

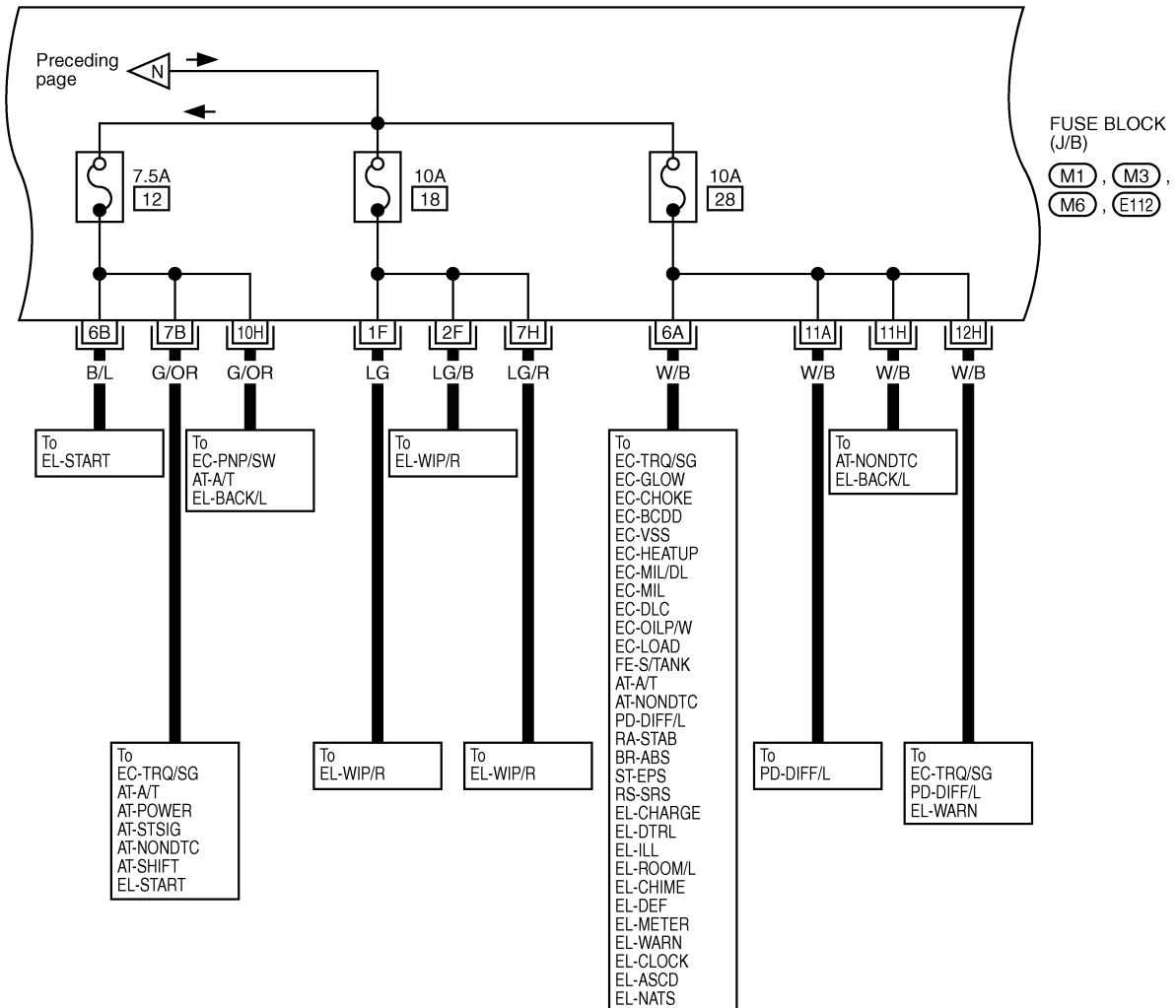
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M2, M3, M4, M6, E110, E111, E112				
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23		
24	25	26		
27	28	29		

# POWER SUPPLY ROUTING/WAGON AND HARDTOP MODELS

## Wiring Diagram — POWER — (Cont'd)

EL-POWER-08



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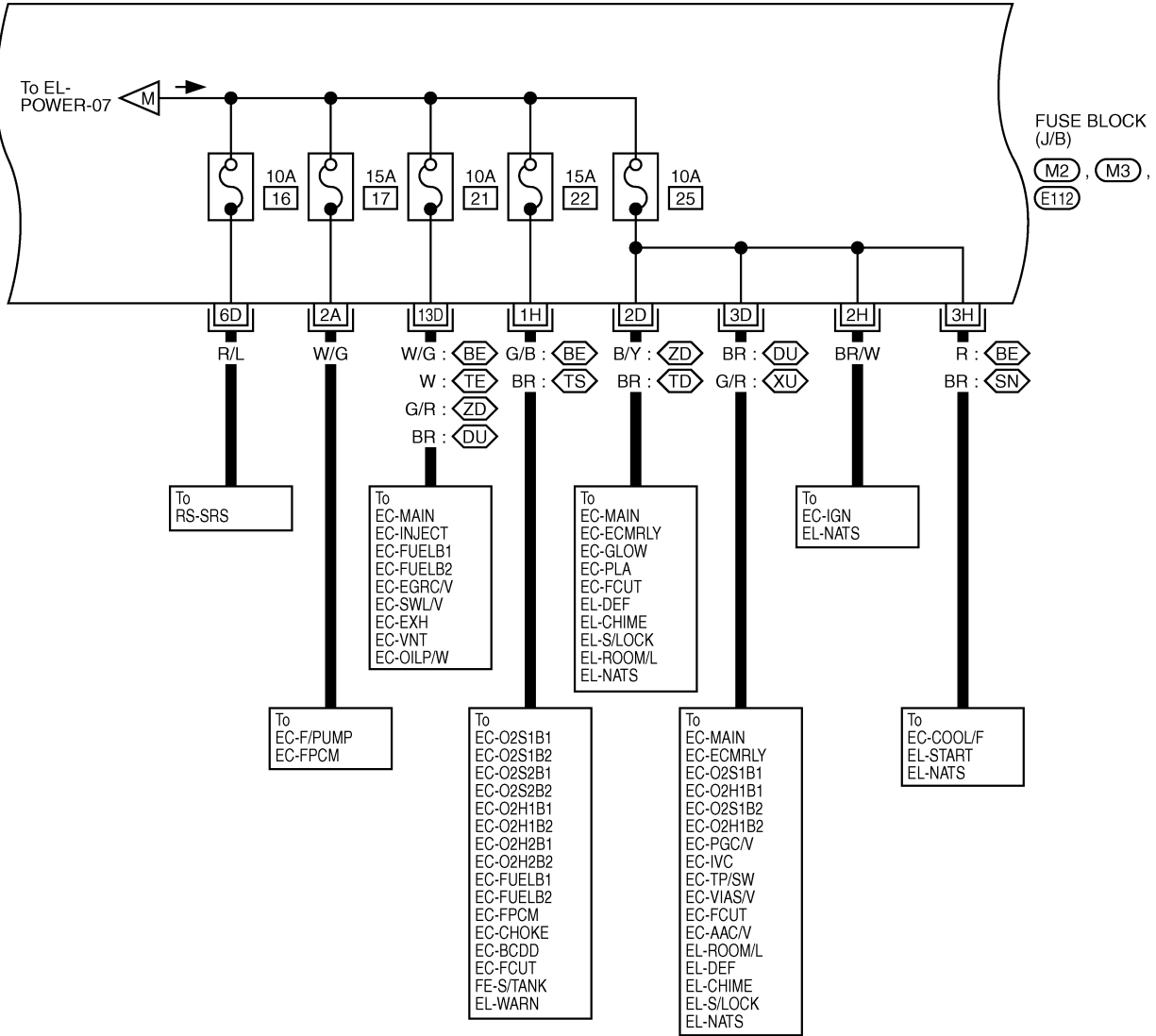
(M1), (M3), (M6), (E112)				
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23		
24	25	26		
27	28	29		

# POWER SUPPLY ROUTING/WAGON AND HARDTOP MODELS

## Wiring Diagram — POWER — (Cont'd)

### EL-POWER-09

- BE : TB48 engine models
- TE : TB45E engine models
- TS : TB45S engine models
- SN : TB45S engine models with NATS
- ZD : ZD engine models
- TD : TD engine models
- DU : TD42Ti engine models
- XU : Except for TD42Ti engine models



Refer to last page (Foldout page).

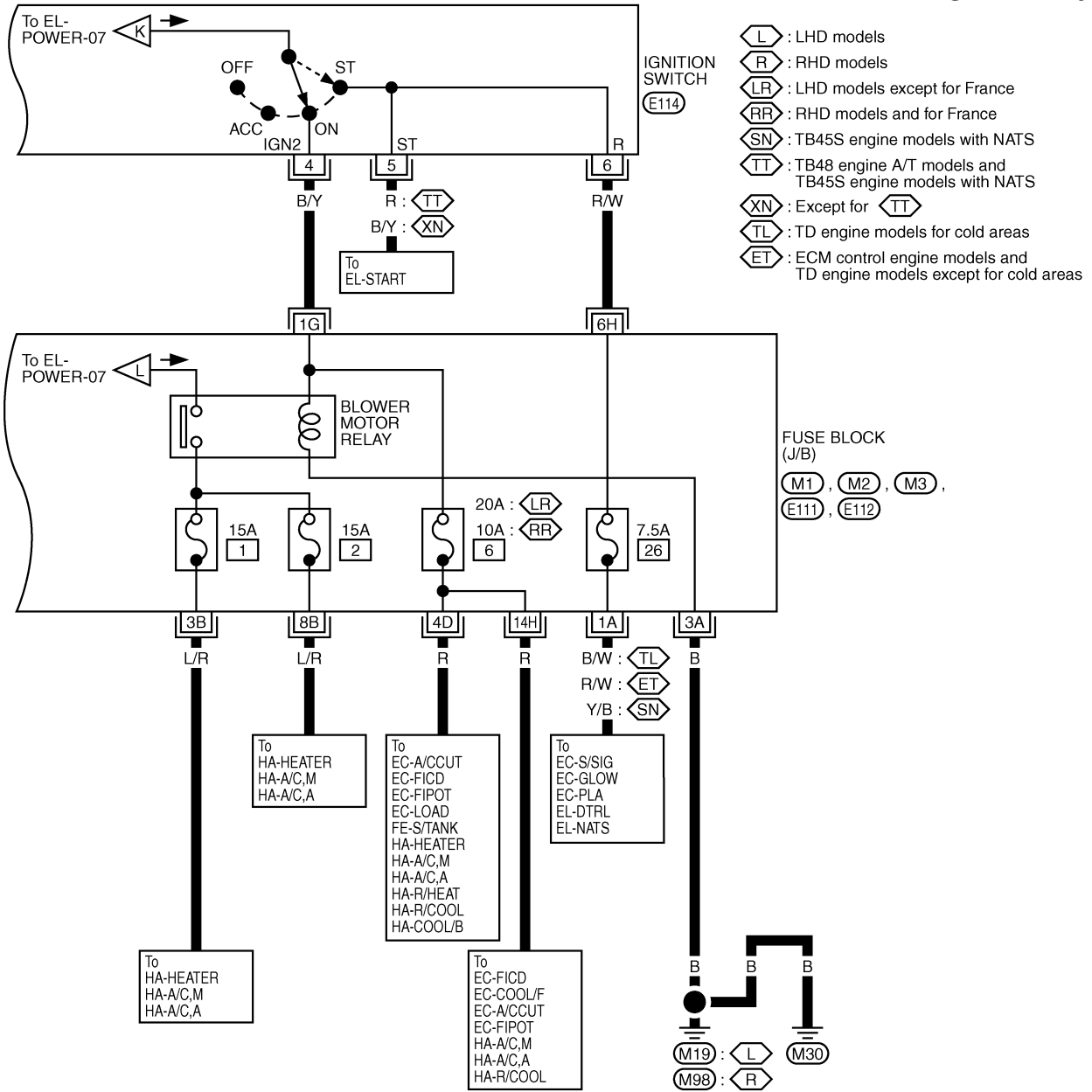
M2, M3, E112				
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23		
24	25	26		
27	28	29		

GI  
 MA  
 EM  
 LC  
 EC  
 FE  
 CL  
 MT  
 AT  
 TF  
 PD  
 FA  
 RA  
 BR  
 ST  
 RS  
 BT  
 HA  
 EL  
 SE  
 IDX

# POWER SUPPLY ROUTING/WAGON AND HARDTOP MODELS

## Wiring Diagram — POWER — (Cont'd)

### EL-POWER-10



3	5	1
4	2	6

(E114)  
W

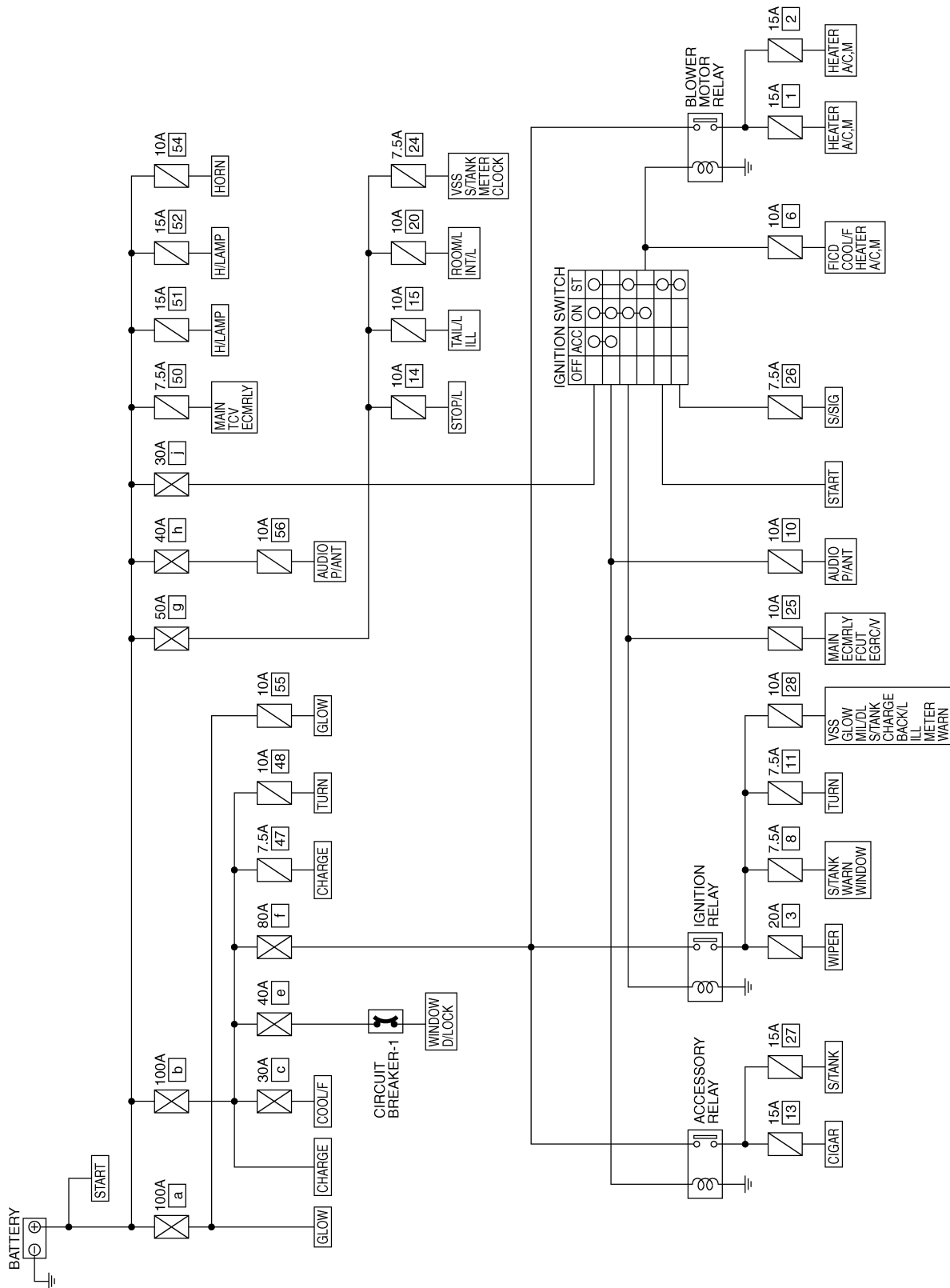
Refer to last page (Foldout page).

(M1), (M2), (M3), (E111), (E112)

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		



Schematic

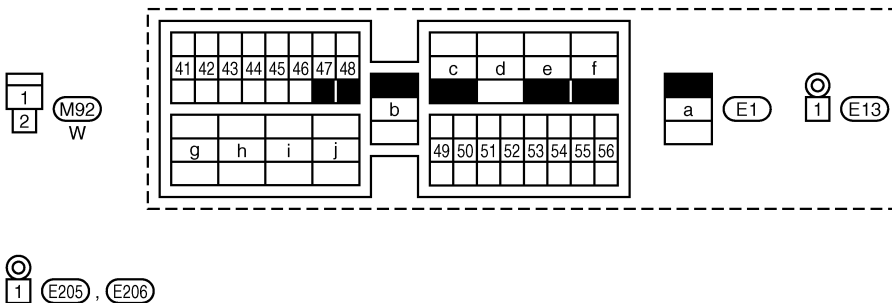
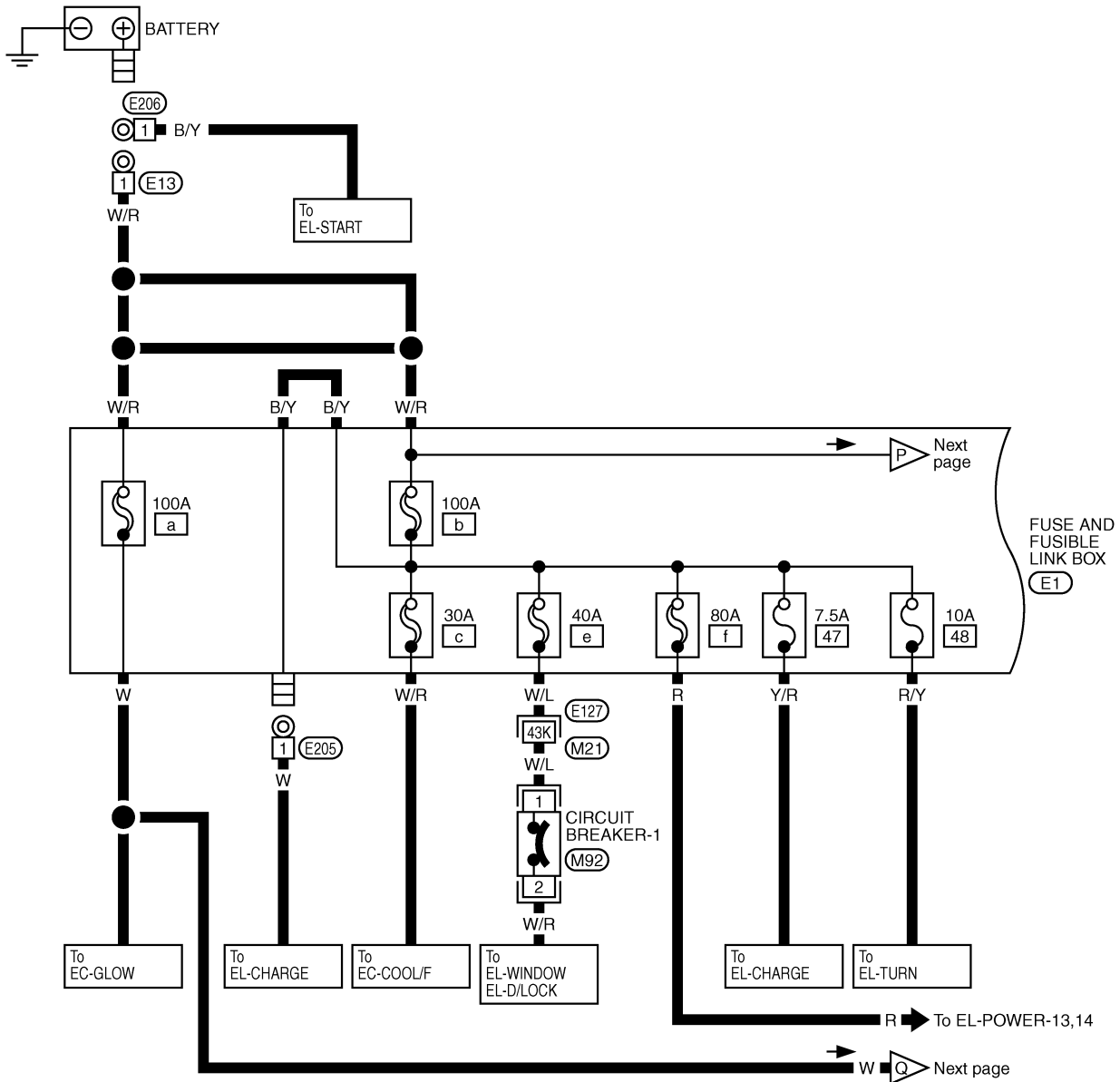


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# POWER SUPPLY ROUTING/PICKUP MODELS

## Wiring Diagram — POWER — BATTERY POWER SUPPLY — IGNITION SW. IN ANY POSITION

EL-POWER-11

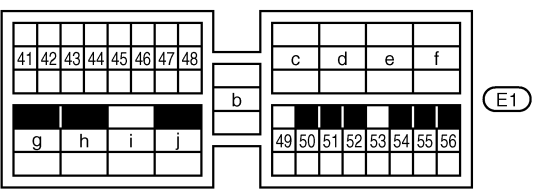
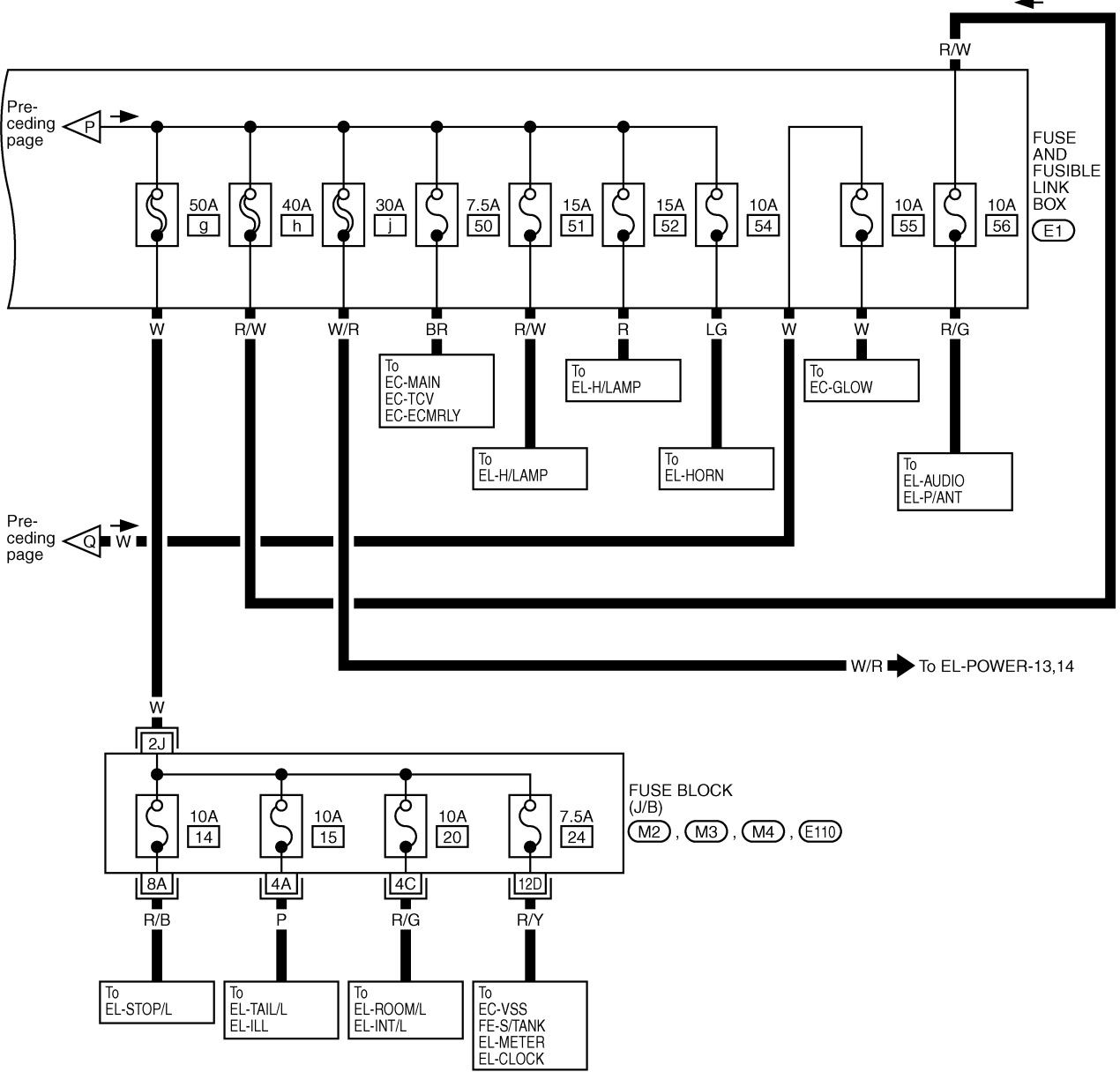


Refer to last page (Foldout page).  
M21, E127

# POWER SUPPLY ROUTING/PICKUP MODELS

## Wiring Diagram — POWER — (Cont'd)

EL-POWER-12



Refer to last page (Foldout page).

(M2), (M3), (M4), (E110)

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		

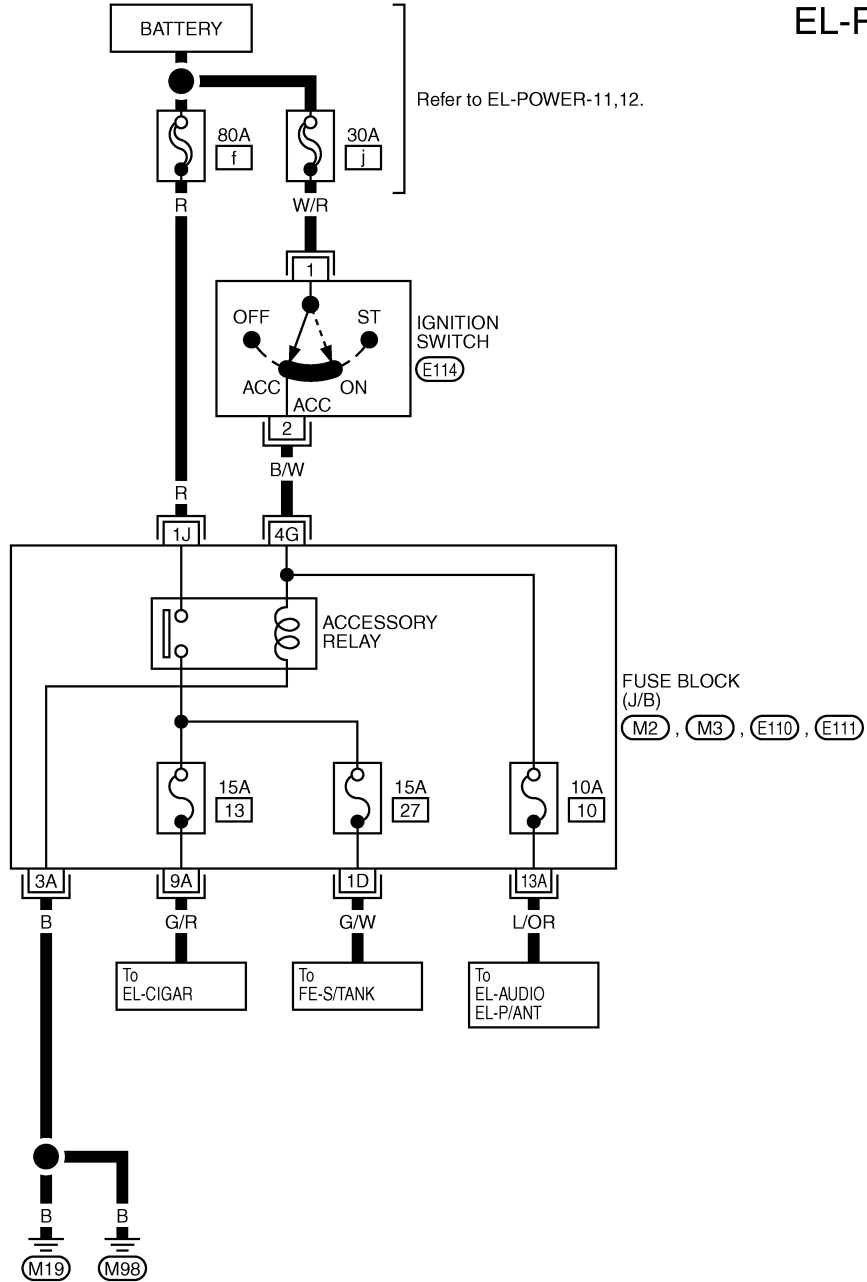
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# POWER SUPPLY ROUTING/PICKUP MODELS

## Wiring Diagram — POWER — (Cont'd)

### ACCESSORY POWER SUPPLY — IGNITION SW. IN "ACC" OR "ON"

EL-POWER-13



3	5	1
4	2	6

(E114)  
W

Refer to last page (Foldout page).

(M2), (M3), (E110), (E111)				
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		

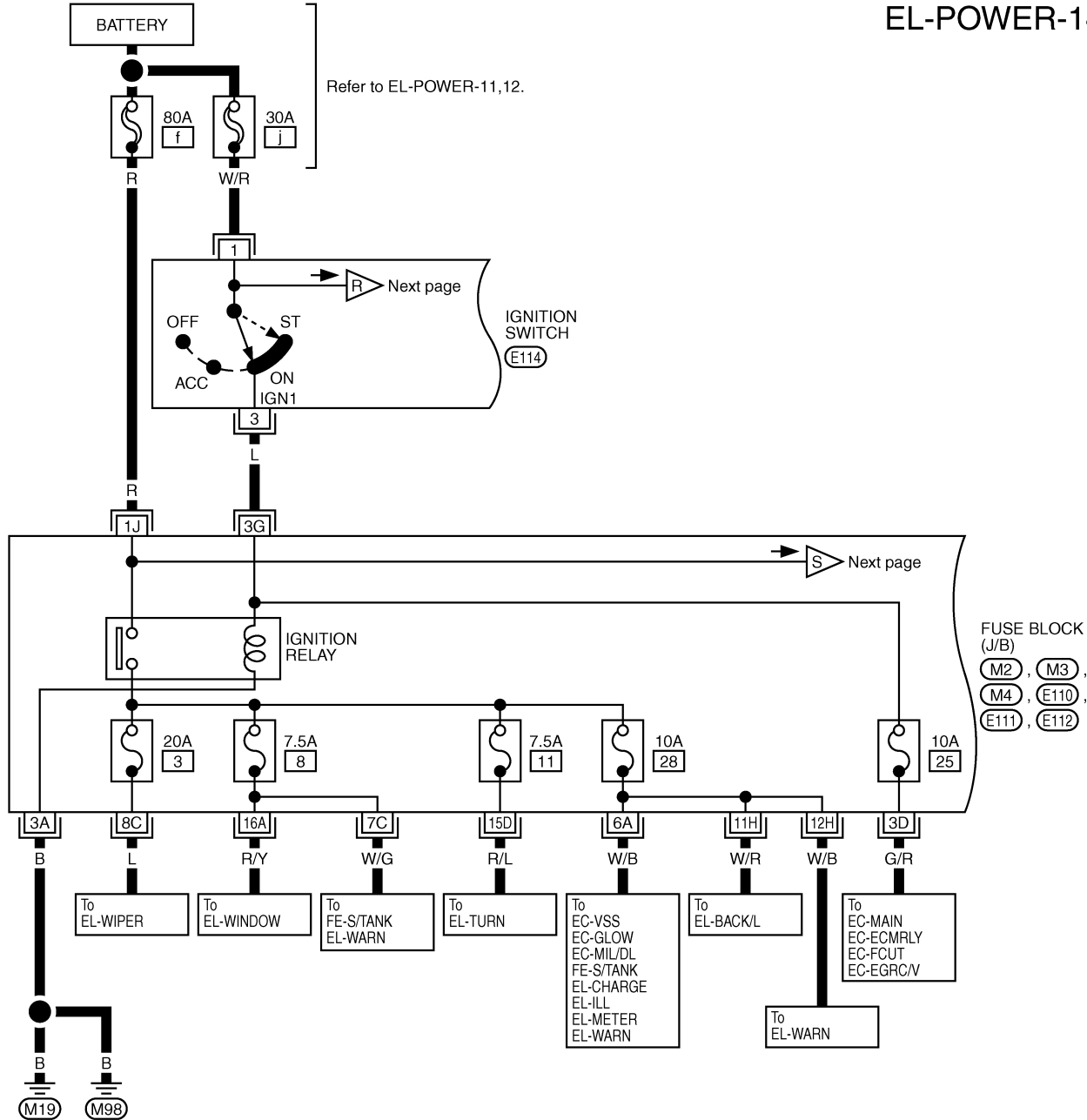
# POWER SUPPLY ROUTING/PICKUP MODELS

## Wiring Diagram — POWER — (Cont'd)

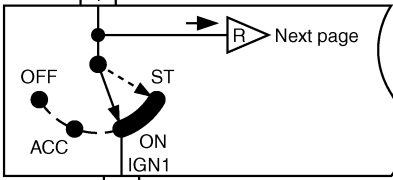
### IGNITION POWER SUPPLY — IGNITION SW. IN "ON" AND/OR "START"

EL-POWER-14

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Refer to EL-POWER-11,12.



FUSE BLOCK (J/B)  
 (M2), (M3),  
 (M4), (E110),  
 (E111), (E112)

3	5	1
4	2	6

(E114)  
W

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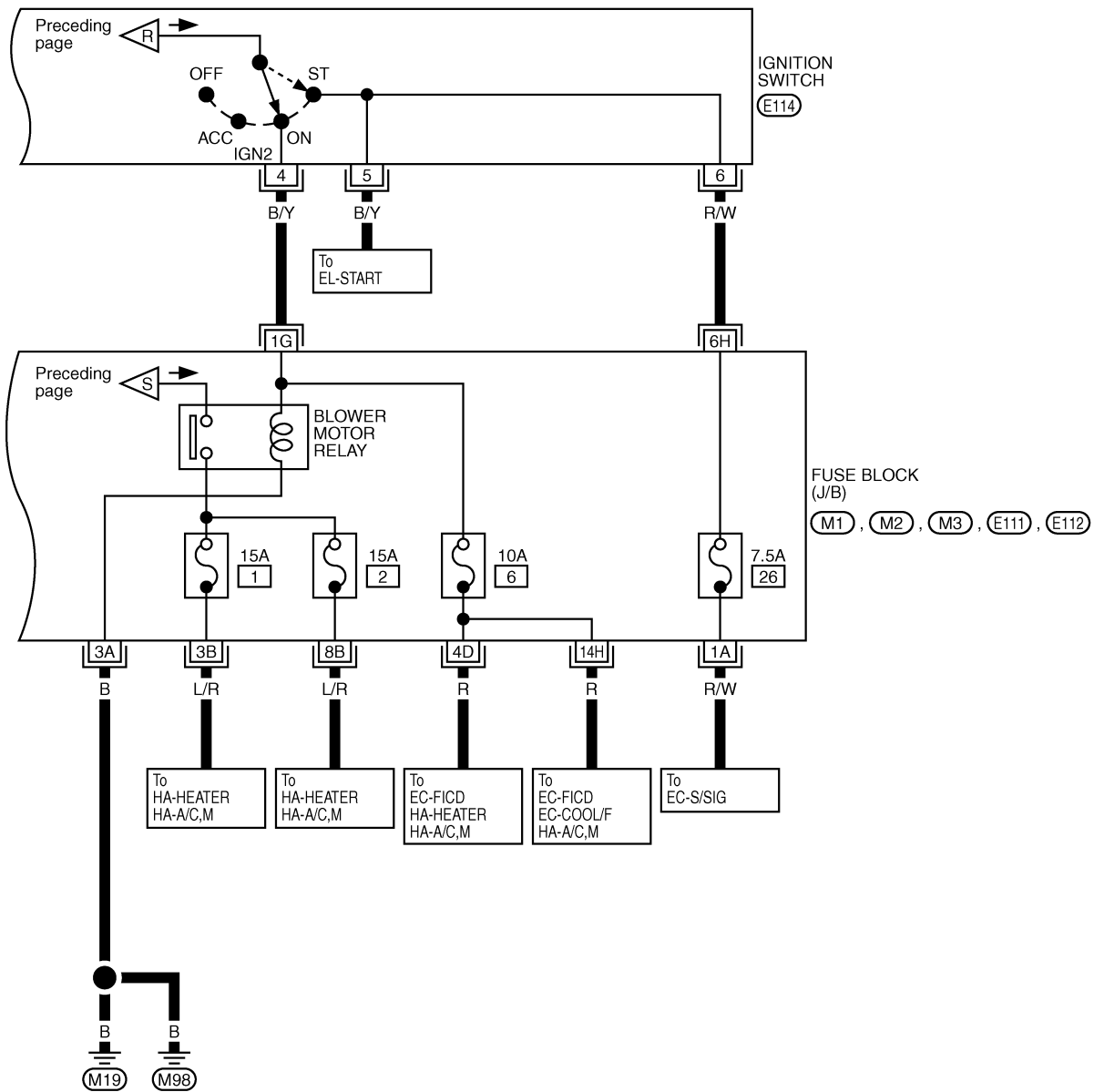
(M2)	(M3)	(M4)	(E110)
(E111)	(E112)		

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		

# POWER SUPPLY ROUTING/PICKUP MODELS

## Wiring Diagram — POWER — (Cont'd)

EL-POWER-15



3	5	1
4	2	6

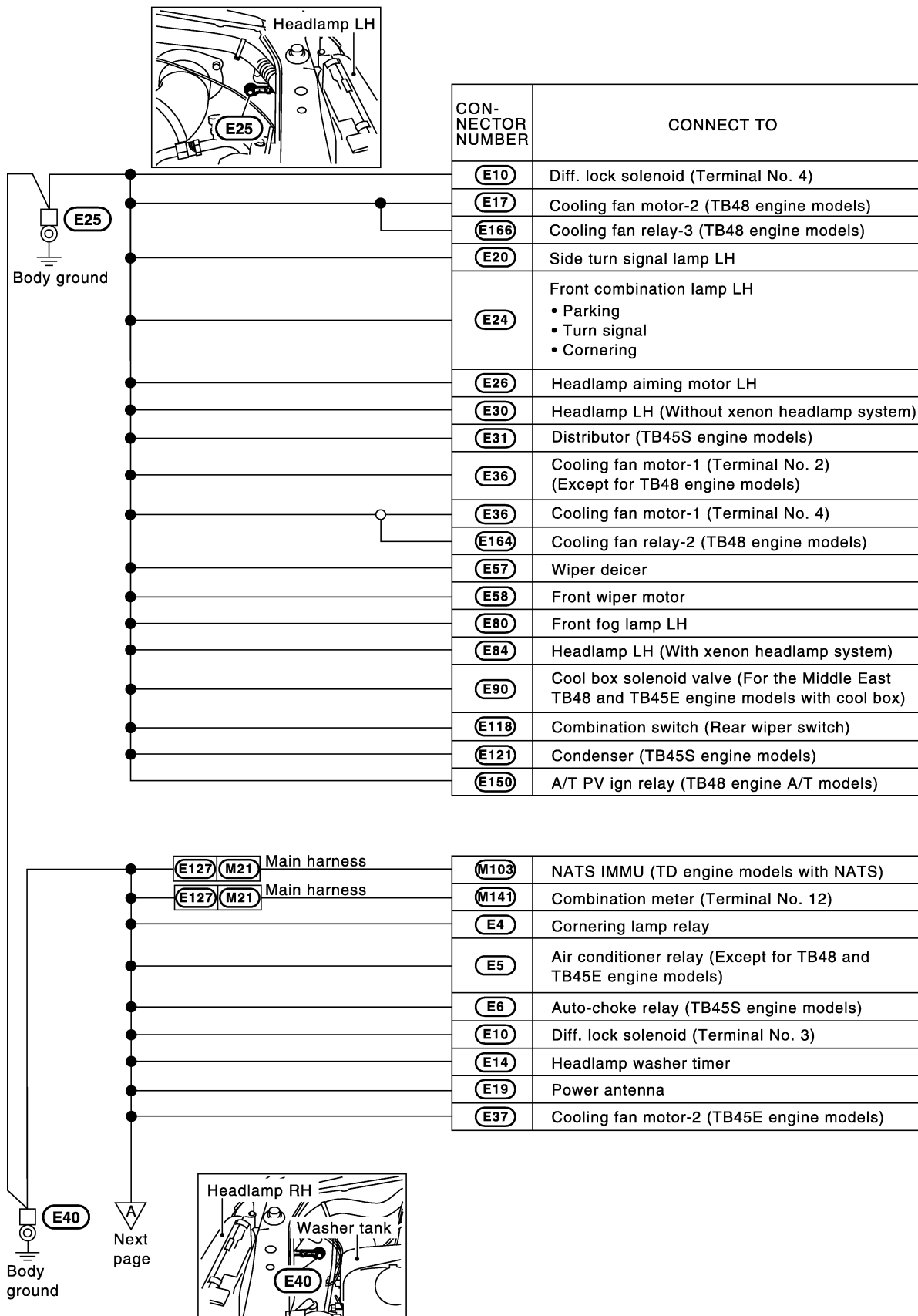
(E114)  
W

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(M1), (M2), (M3), (E111), (E112)

1	2	3	4	5
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21	22	23		
24	25	26		
27	28	29		

## Engine Room Harness/LHD Models

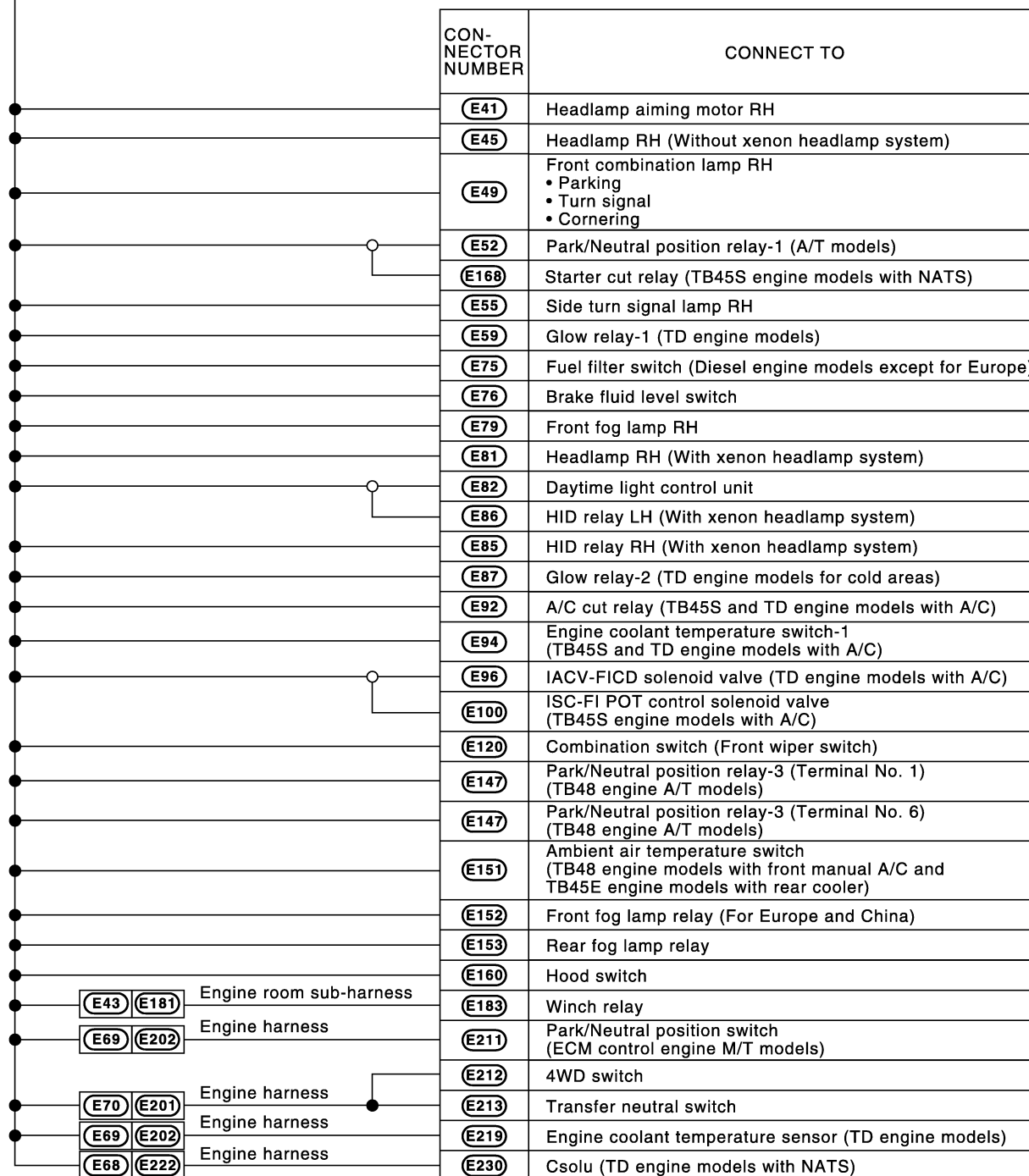


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# GROUND DISTRIBUTION/WAGON AND HARDTOP MODELS

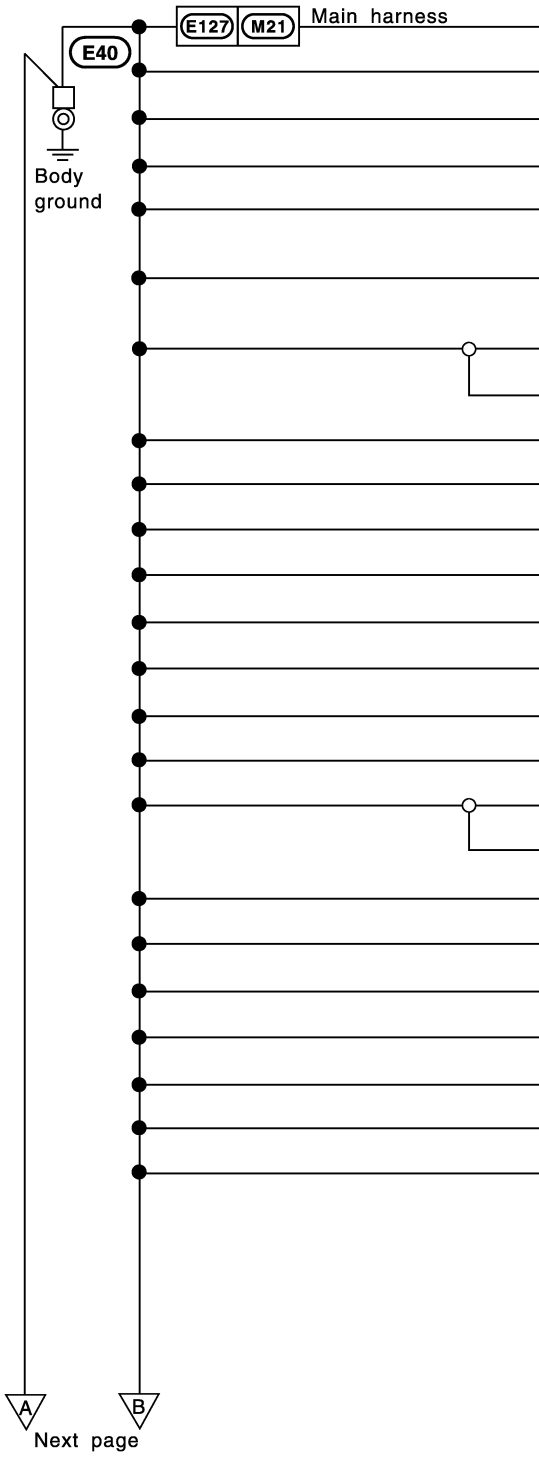
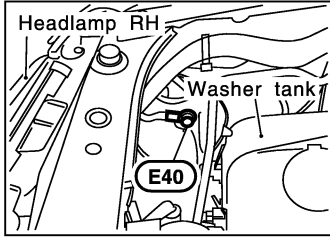
## Engine Room Harness/LHD Models (Cont'd)

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Engine Room Harness/RHD Models

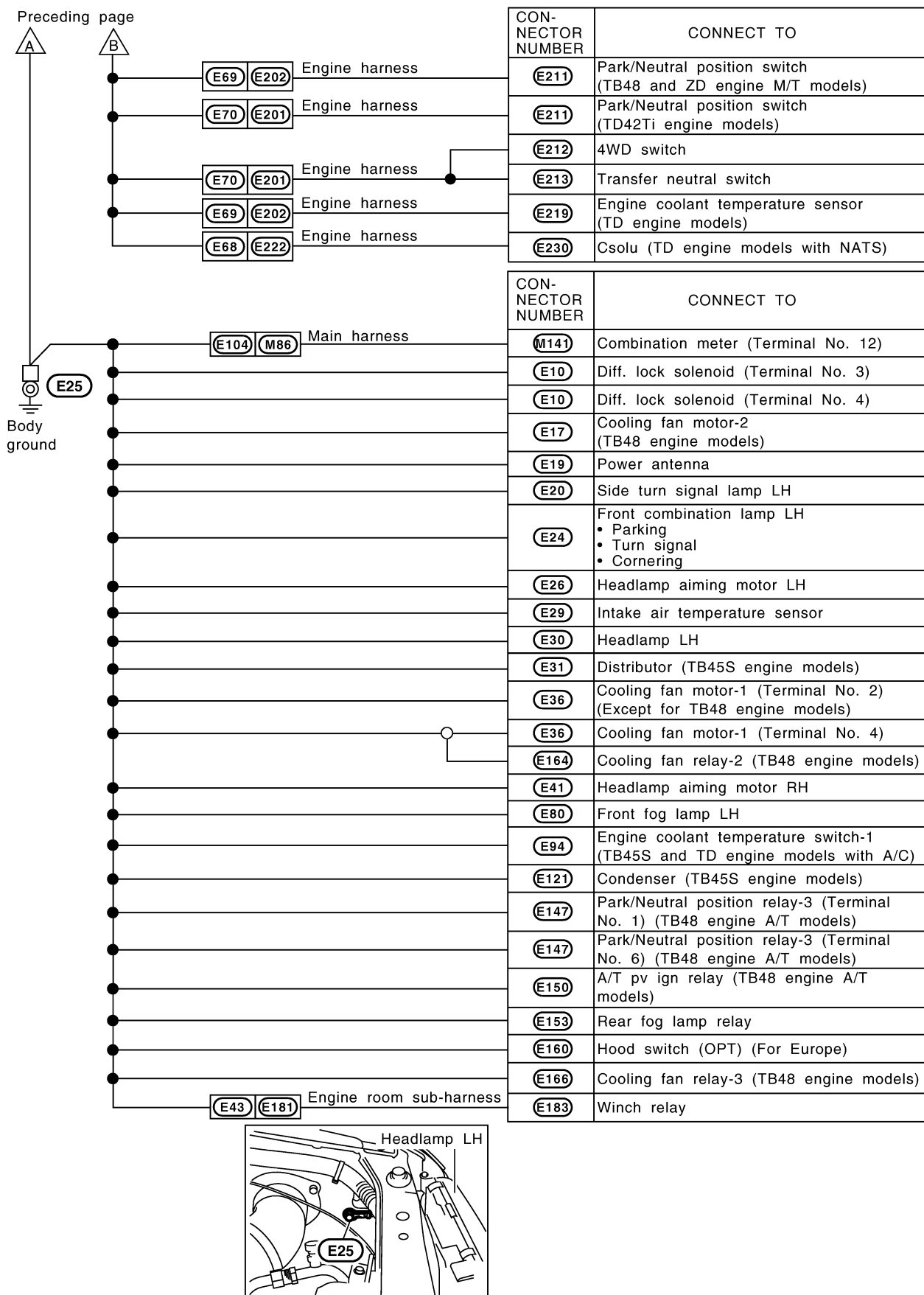


CON-NECTOR NUMBER	CONNECT TO
<b>(M103)</b>	NATS IMMU (TD engine models with NATS)
<b>(E5)</b>	Air conditioner relay
<b>(E6)</b>	Auto-choke relay (TB45S engine models)
<b>(E14)</b>	Headlamp washer timer
<b>(E45)</b>	Headlamp RH
<b>(E49)</b>	Front combination lamp RH <ul style="list-style-type: none"> <li>• Parking</li> <li>• Turn signal</li> <li>• Cornering</li> </ul>
<b>(E52)</b>	Park/Neutral position relay-1 (A/T models)
<b>(E168)</b>	Starter cut relay (TB45S engine models with NATS)
<b>(E55)</b>	Side turn signal lamp RH
<b>(E57)</b>	Wiper deicer
<b>(E58)</b>	Front wiper motor
<b>(E59)</b>	Glow relay-1 (TD engine models)
<b>(E75)</b>	Fuel filter switch (Diesel engine models)
<b>(E76)</b>	Brake fluid level switch
<b>(E79)</b>	Front fog lamp RH
<b>(E92)</b>	A/C cut relay (TB45S and TD engine models with A/C)
<b>(E96)</b>	IACV-FICD solenoid valve (TD engine models with A/C)
<b>(E100)</b>	ISC-FI POT control solenoid valve (TB45S engine models with A/C)
<b>(E115)</b>	Combination switch (Turn signal lamp switch)
<b>(E118)</b>	Combination switch (Rear wiper switch)
<b>(E120)</b>	Combination switch (Front wiper switch)
<b>(E151)</b>	Ambient air temperature switch (TB48 engine models with front manual A/C)
<b>(E152)</b>	Front fog lamp relay (For Europe)
<b>(E153)</b>	Rear fog lamp relay
<b>(E160)</b>	Hood switch (With theft warning system)

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# GROUND DISTRIBUTION/WAGON AND HARDTOP MODELS

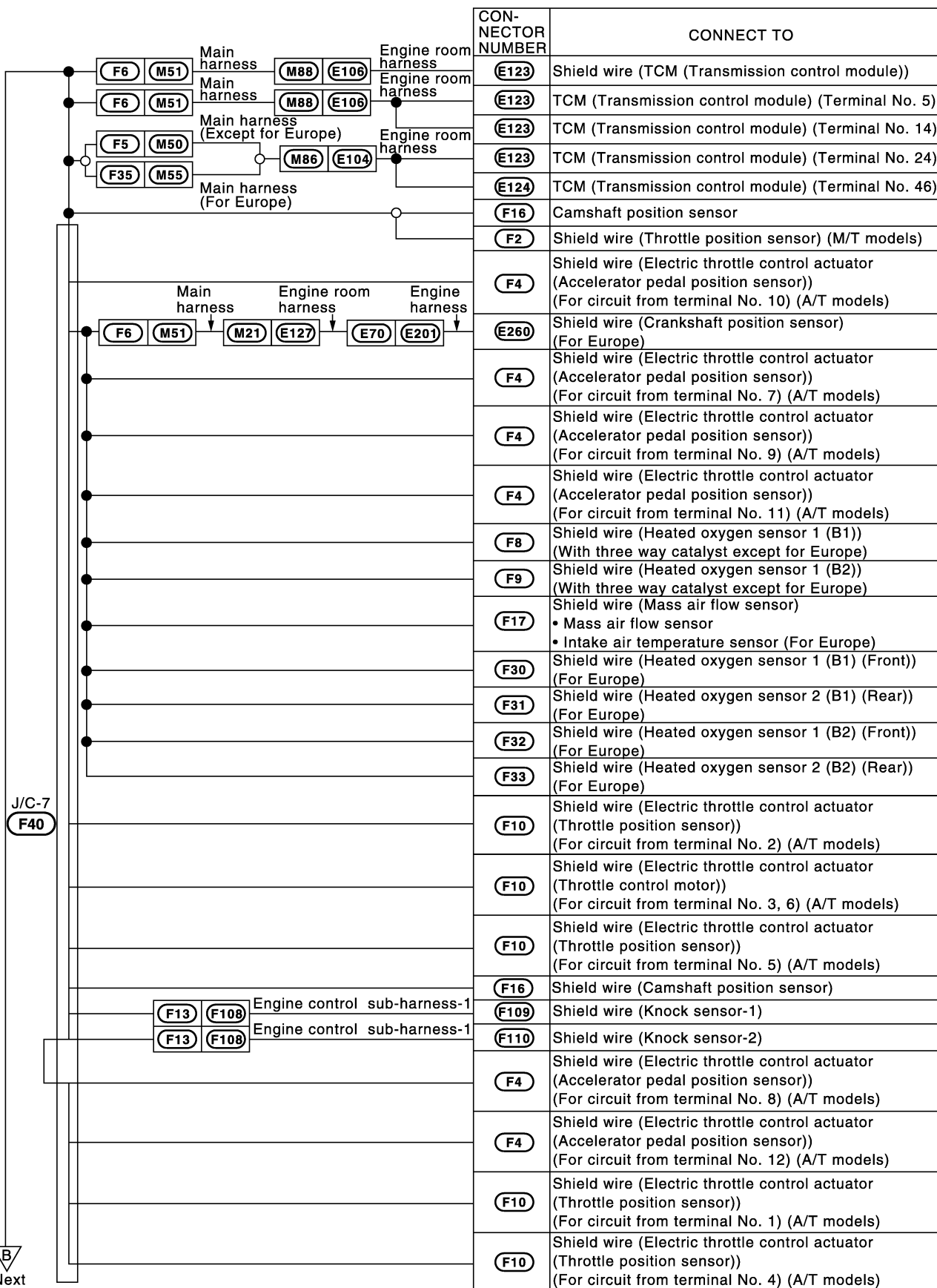
## Engine Room Harness/RHD Models (Cont'd)



## Engine Control Harness/LHD Models

TB48DE ENGINE

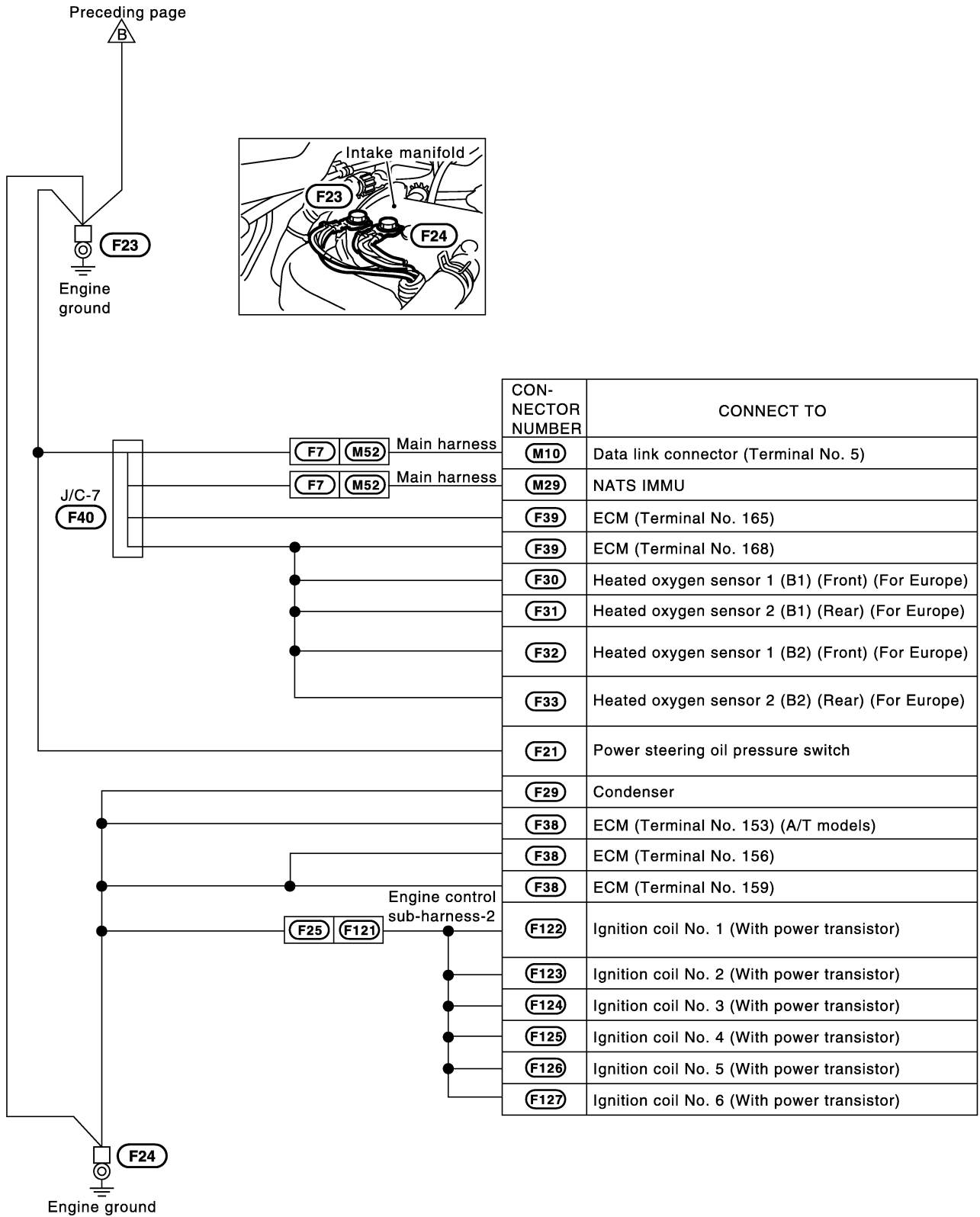
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# GROUND DISTRIBUTION/WAGON AND HARDTOP MODELS

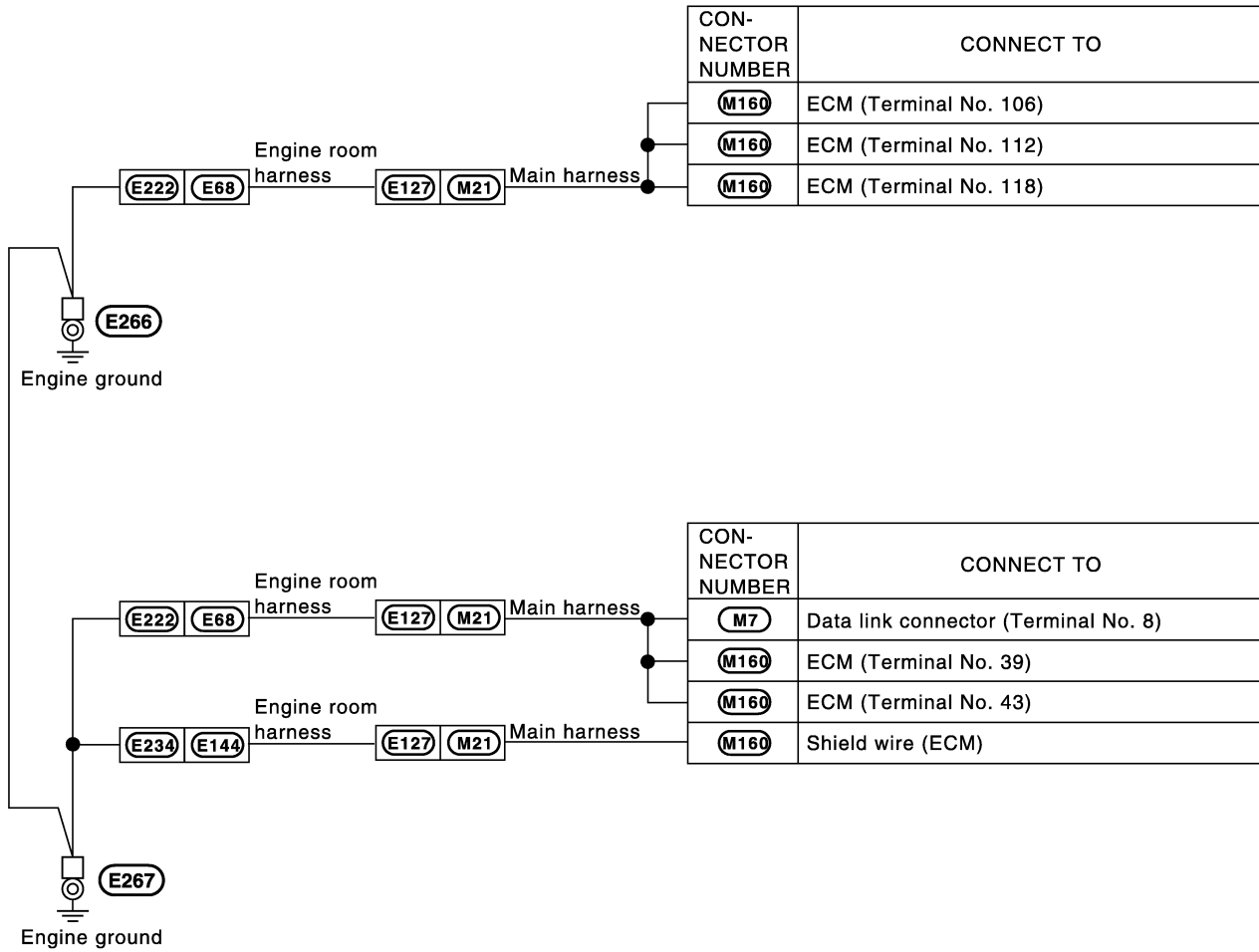
## Engine Control Harness/LHD Models (Cont'd)



CON-NECTOR NUMBER	CONNECT TO
<b>M10</b>	Data link connector (Terminal No. 5)
<b>M29</b>	NATS IMMU
<b>F39</b>	ECM (Terminal No. 165)
<b>F39</b>	ECM (Terminal No. 168)
<b>F30</b>	Heated oxygen sensor 1 (B1) (Front) (For Europe)
<b>F31</b>	Heated oxygen sensor 2 (B1) (Rear) (For Europe)
<b>F32</b>	Heated oxygen sensor 1 (B2) (Front) (For Europe)
<b>F33</b>	Heated oxygen sensor 2 (B2) (Rear) (For Europe)
<b>F21</b>	Power steering oil pressure switch
<b>F29</b>	Condenser
<b>F38</b>	ECM (Terminal No. 153) (A/T models)
<b>F38</b>	ECM (Terminal No. 156)
<b>F38</b>	ECM (Terminal No. 159)
<b>F122</b>	Ignition coil No. 1 (With power transistor)
<b>F123</b>	Ignition coil No. 2 (With power transistor)
<b>F124</b>	Ignition coil No. 3 (With power transistor)
<b>F125</b>	Ignition coil No. 4 (With power transistor)
<b>F126</b>	Ignition coil No. 5 (With power transistor)
<b>F127</b>	Ignition coil No. 6 (With power transistor)

Engine Harness/RHD Models

TD42Ti ENGINE



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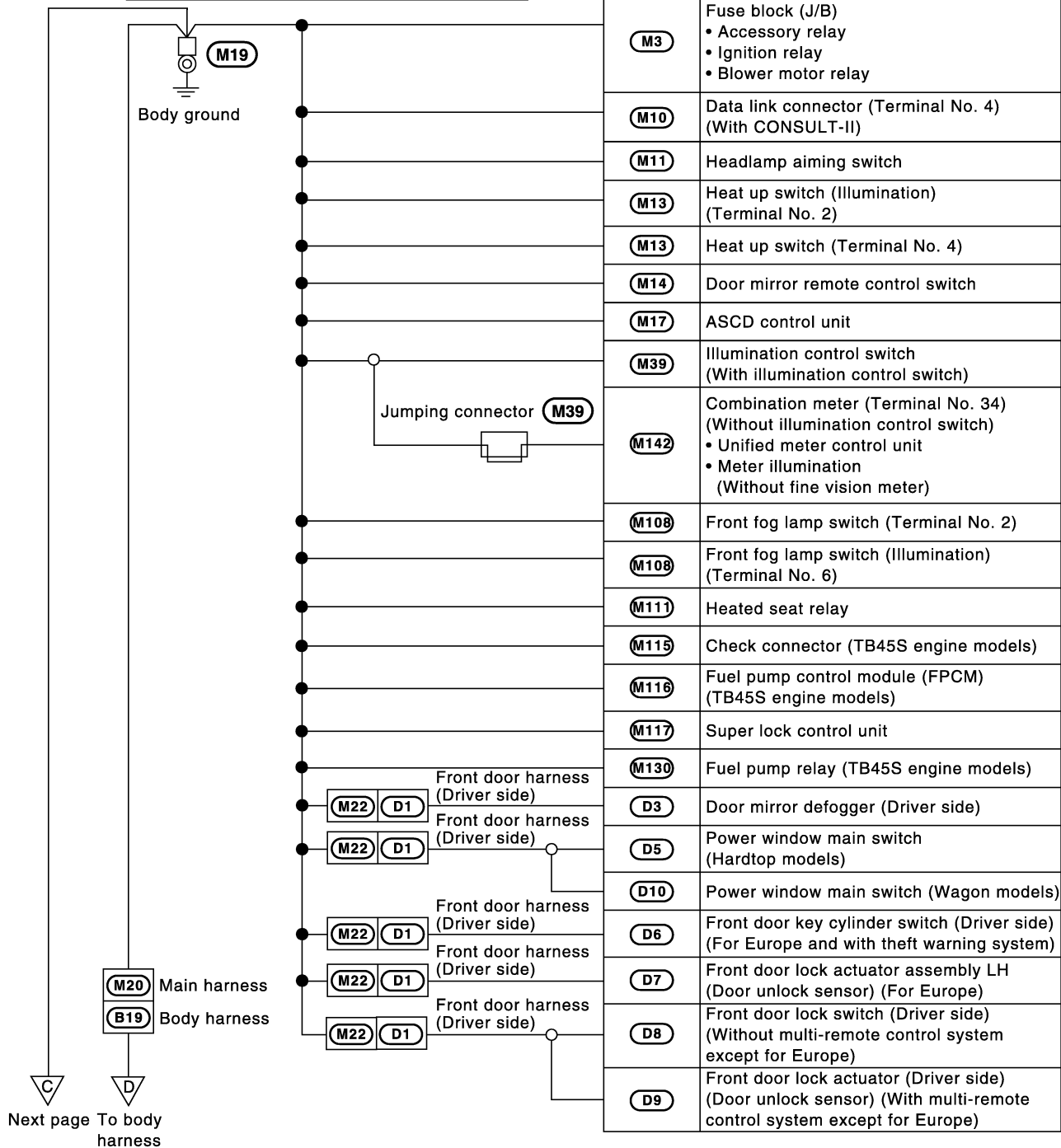
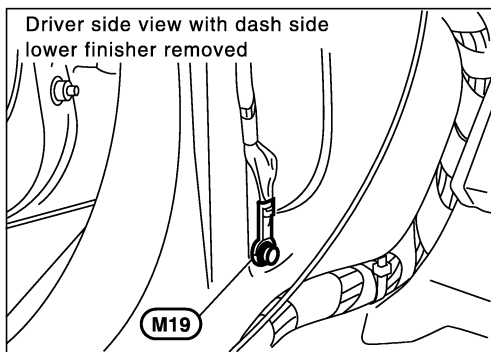
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# GROUND DISTRIBUTION/WAGON AND HARDTOP MODELS

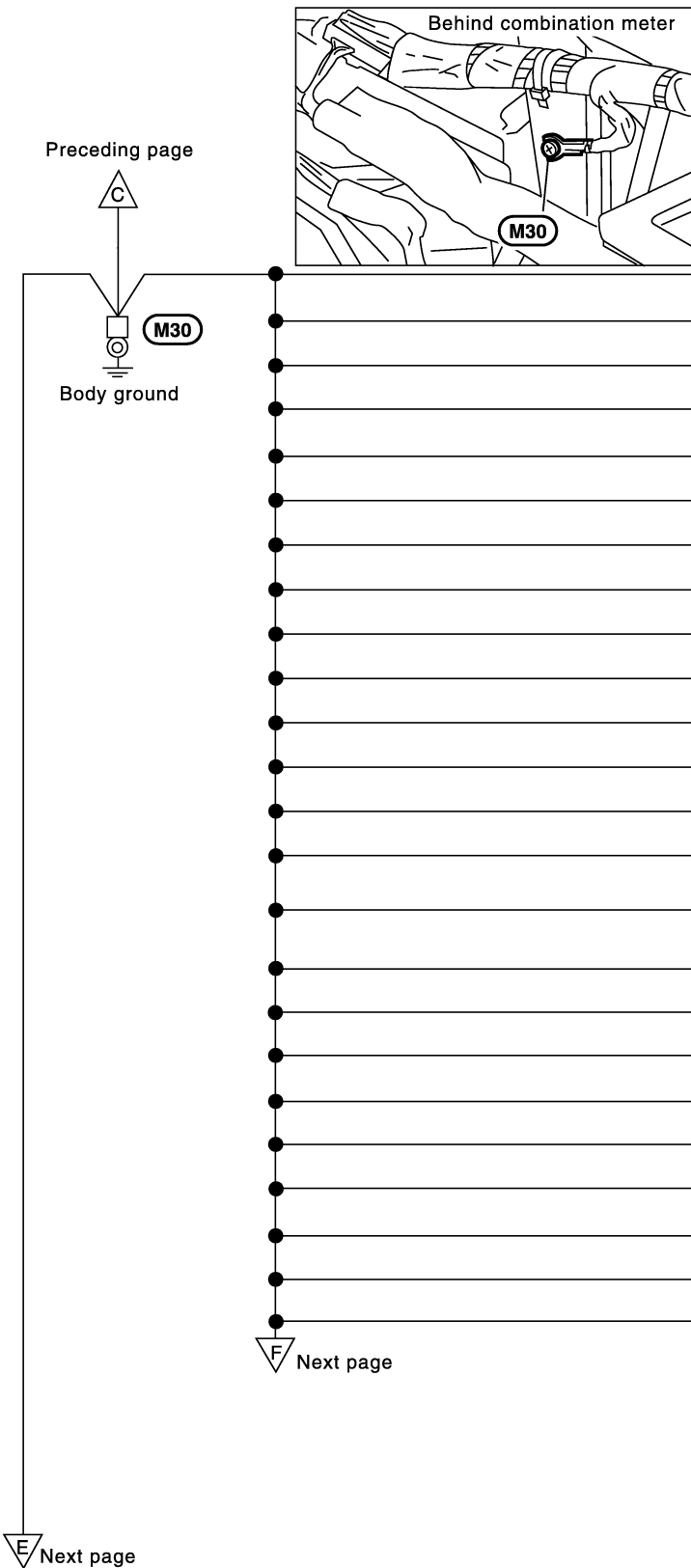
## Main Harness/LHD Models



# GROUND DISTRIBUTION/WAGON AND HARDTOP MODELS

## Main Harness/LHD Models (Cont'd)

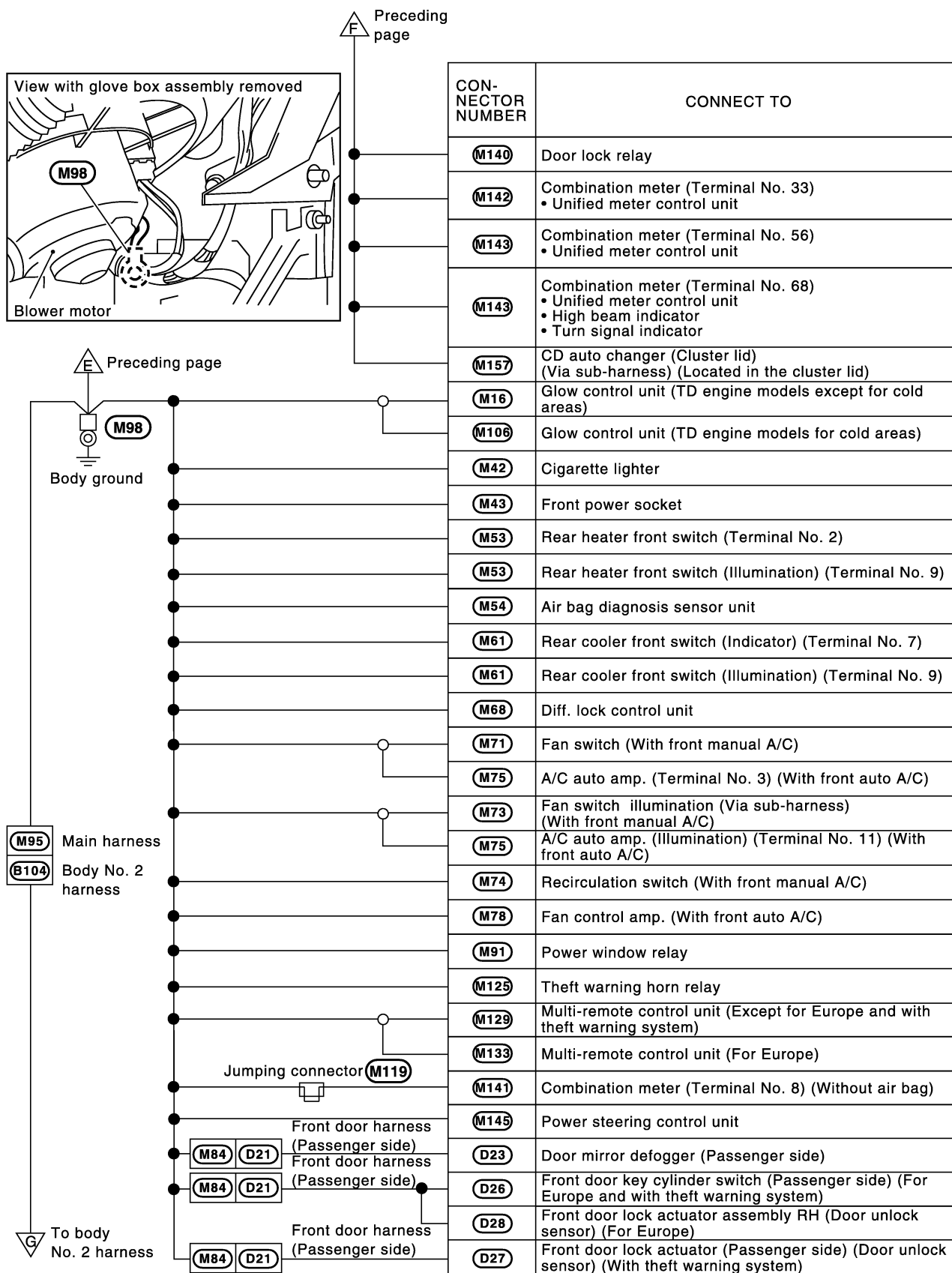
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CON-NECTOR NUMBER	CONNECT TO
M29	NATS IMMU (TB45S engine models with NATS)
M37	Combination flasher unit
M38	Mode door motor (With front auto A/C)
M40	Air mix door motor (With front auto A/C)
M44	Stabilizer control unit
M46	Rear window defogger switch (Terminal No. 2)
M46	Rear window defogger switch (Indicator) (Terminal No. 4)
M46	Rear window defogger switch (Illumination) (Terminal No. 6)
M47	Headlamp washer switch (Terminal No. 5)
M47	Headlamp washer switch (Illumination) (Terminal No. 7)
M48	Sub fuel tank switch (Terminal No. 2)
M48	Sub fuel tank switch (Illumination) (Terminal No. 6)
M49	Hazard switch (Illumination)
M67	Diff. lock switch (Illumination)
M69	Sub fuel tank control unit (Terminal No. 4) (Except for TB45S engine models)
M69	Sub fuel tank control unit (Terminal No. 11)
M100	Stabilizer switch (Illumination)
M126	Smart entrance control unit (With theft warning system)
M136	Door lock and unlock switch (Via sub-harness) (Terminal No. 3)
M136	Door lock and unlock switch (Via sub-harness) (Illumination) (Terminal No. 5)
M137	Sub IMMU (Terminal No. 4) (TB45S engine models with NATS)
M137	Sub IMMU (Terminal No. 8) (TB45S engine models with NATS)
M137	Sub IMMU (Terminal No. 35) (TB45S engine models with NATS)
M137	Sub IMMU (Terminal No. 48) (TB45S engine models with NATS)

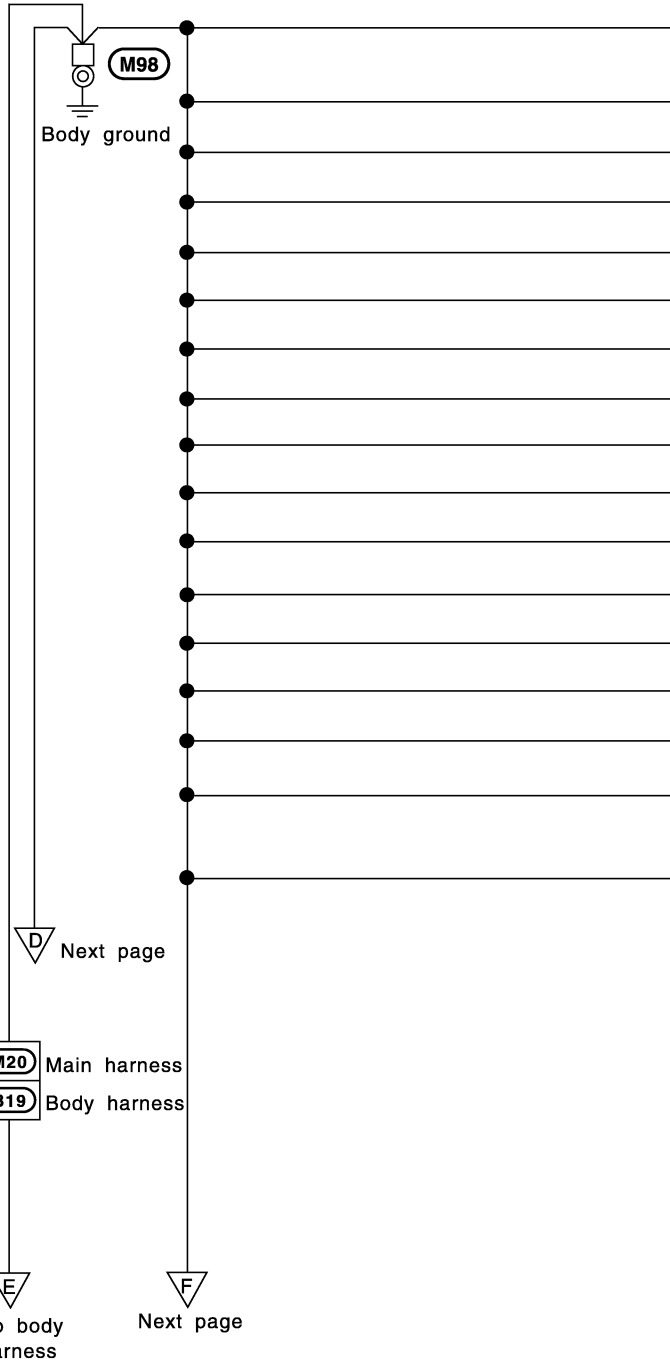
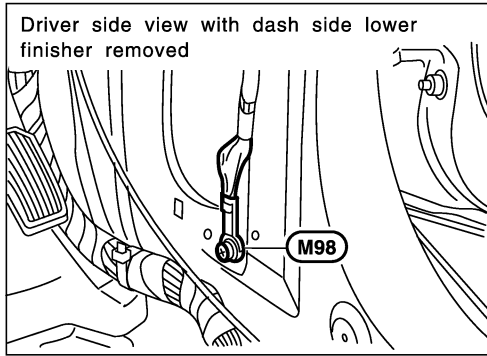
# GROUND DISTRIBUTION/WAGON AND HARDTOP MODELS

## Main Harness/LHD Models (Cont'd)





Main Harness/RHD Models



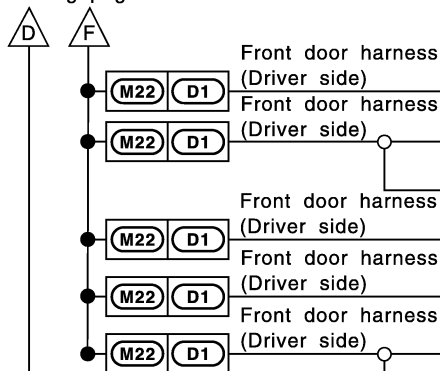
CON-NECTOR NUMBER	CONNECT TO
M3	Fuse block (J/B) • Accessory relay • Ignition relay • Blower motor relay
M10	Data link connector (Terminal No. 4) (With CONSULT-II)
M11	Headlamp aiming switch
M13	Heat up switch (Illumination) (Terminal No. 2)
M13	Heat up switch (Terminal No. 4)
M14	Door mirror remote control switch
M16	Glow control unit (TD42 engine models)
M17	ASCD control unit
M108	Front fog lamp switch (Terminal No. 2)
M108	Front fog lamp switch (Illumination) (Terminal No. 6)
M115	Check connector (TB45S engine models)
M116	Fuel pump control module (FPCM) (TB45S engine models)
M117	Super lock control unit
M130	Fuel pump relay (TB45S engine models)
M142	Combination meter (Terminal No. 33) • Unified meter control unit
M143	Combination meter (Terminal No. 56) • Unified meter control unit
M143	Combination meter (Terminal No. 68) • Unified meter control unit • High beam indicator • Turn signal indicator

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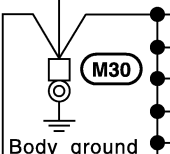
# GROUND DISTRIBUTION/WAGON AND HARDTOP MODELS

## Main Harness/RHD Models (Cont'd)

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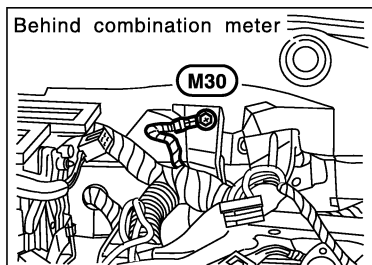


CON-NECTOR NUMBER	CONNECT TO
D3	Door mirror defogger (Driver side)
D5	Power window main switch (Hardtop models)
D10	Power window main switch (Wagon models)
D6	Front door key cylinder switch (Driver side) (For Europe and with theft warning system)
D7	Front door lock actuator assembly RH (Door unlock sensor) (With super lock)
D8	Front door lock switch (Driver side) (Without multi-remote control system except for Europe)
D9	Front door lock actuator (Driver side) (Door unlock sensor) (With multi-remote control system except for Europe)



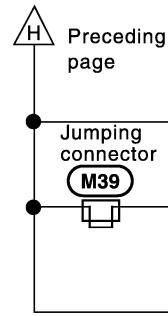
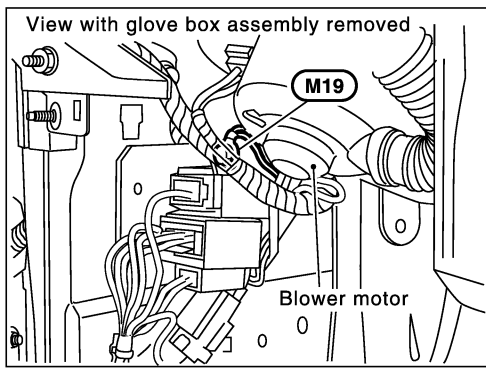
CON-NECTOR NUMBER	CONNECT TO
M29	NATS IMMU (TB45S engine models with NATS)
M37	Combination flasher unit
M38	Mode door motor (With front auto A/C)
M39	Illumination control switch
M40	Air mix door motor (With front auto A/C)
M42	Cigarette lighter
M43	Front power socket
M44	Stabilizer control unit
M46	Rear window defogger switch (Terminal No. 2)
M46	Rear window defogger switch (Indicator) (Terminal No. 4)
M46	Rear window defogger switch (Illumination) (Terminal No. 6)
M47	Headlamp washer switch (Terminal No. 5)
M47	Headlamp washer switch (Illumination) (Terminal No. 7)
M48	Sub fuel tank switch (Terminal No. 2)
M48	Sub fuel tank switch (Illumination) (Terminal No. 6)
M49	Hazard switch (Illumination)
M69	Sub fuel tank control unit (Terminal No. 4) (Except for TB45S engine models)
M69	Sub fuel tank control unit (Terminal No. 11)
M100	Stabilizer switch (Illumination)
M126	Smart entrance control unit (With theft warning system)
M136	Door lock and unlock switch (Terminal No. 3)
M136	Door lock and unlock switch (Illumination) (Terminal No. 5)
M137	Sub IMMU (Terminal No. 4) (TB45S engine models with NATS)
M137	Sub IMMU (Terminal No. 8) (TB45S engine models with NATS)
M137	Sub IMMU (Terminal No. 35) (TB45S engine models with NATS)
M137	Sub IMMU (Terminal No. 48) (TB45S engine models with NATS)

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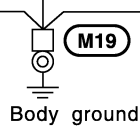
# GROUND DISTRIBUTION/WAGON AND HARDTOP MODELS

## Main Harness/RHD Models (Cont'd)



CON-NECTOR NUMBER	CONNECT TO
M140	Door lock relay
M142	Combination meter (Terminal No. 34) (Without illumination control switch) • Unified meter control unit • Meter illumination (Without fine vision meter)
M157	CD auto changer (Cluster lid) (Via sub-harness) (Located in the cluster lid)

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CON-NECTOR NUMBER	CONNECT TO
M53	Rear heater front switch (Terminal No. 2)
M53	Rear heater front switch (Illumination) (Terminal No. 9)
M54	Air bag diagnosis sensor unit
M60	Power antenna switch (Illumination)
M61	Rear cooler front switch (Indicator) (Terminal No. 7)
M61	Rear cooler front switch (Illumination) (Terminal No. 9)
M67	Diff. lock switch (Illumination)
M68	Diff. lock control unit
M71	Fan switch (With front manual A/C)
M75	A/C auto amp. (Terminal No. 3) (With front auto A/C)
M73	Fan switch illumination (With front manual A/C)
M75	A/C auto amp. (Illumination) (Terminal No. 11) (With front auto A/C)
M74	Recirculation switch (With front manual A/C)
M78	Fan control amp. (With front auto A/C)
M91	Power window relay
M111	Heated seat relay
M125	Theft warning horn relay
M129	Multi-remote control unit (Except for Europe and with theft warning system)
M129	Multi-remote control unit (Via sub-harness) (For South Africa)
M133	Multi-remote control unit (For Europe)
M141	Combination meter (Terminal No. 8) (Without air bag)
D23	Door mirror defogger (Passenger side)
D26	Front door key cylinder switch (Passenger side) (For Europe and with theft warning system)
D28	Front door lock actuator assembly LH (Door unlock sensor) (For Europe)
D27	Front door lock actuator (Passenger side) (Door unlock sensor) (With theft warning system)

Jumping connector M119

M84 D21 Front door harness (Passenger side)

M84 D21 Front door harness (Passenger side)

M84 D21 Front door harness (Passenger side)

M99 Main harness

B104 Body No. 2 harness

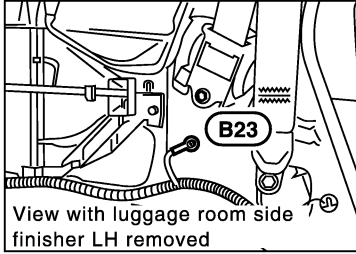
To body No. 2 harness

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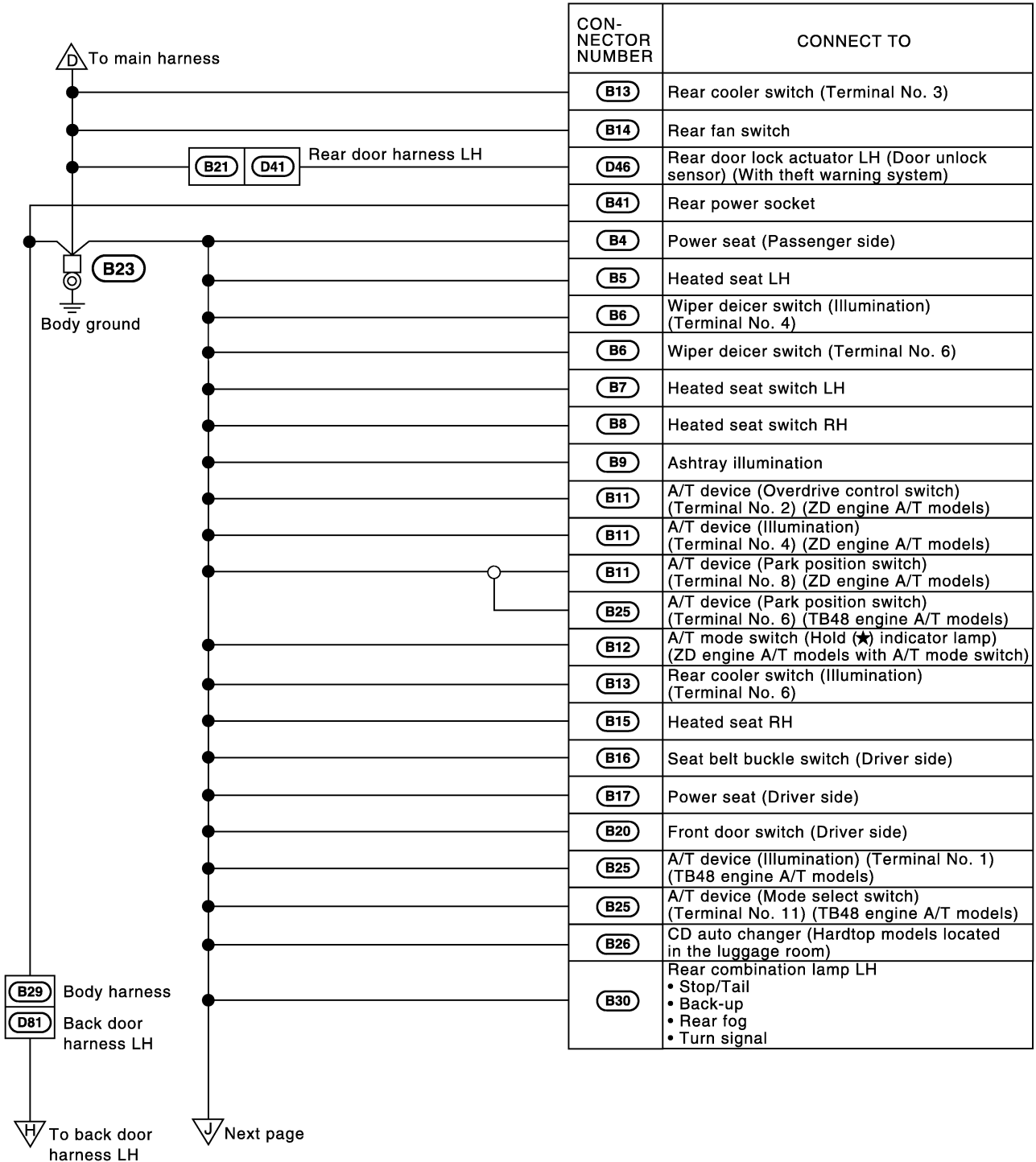
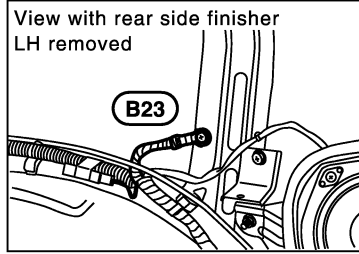
# GROUND DISTRIBUTION/WAGON AND HARDTOP MODELS

## Body Harness/LHD Models

**Wagon models**



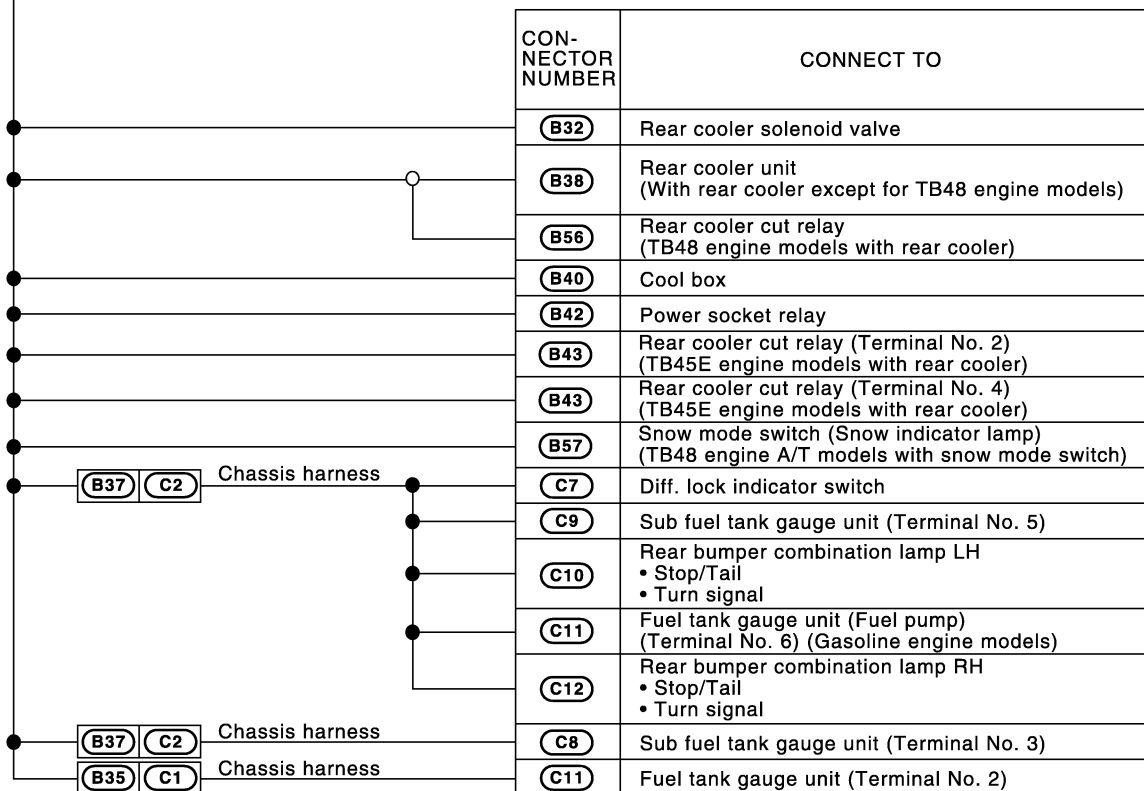
**Hardtop models**



# GROUND DISTRIBUTION/WAGON AND HARDTOP MODELS

## Body Harness/LHD Models (Cont'd)

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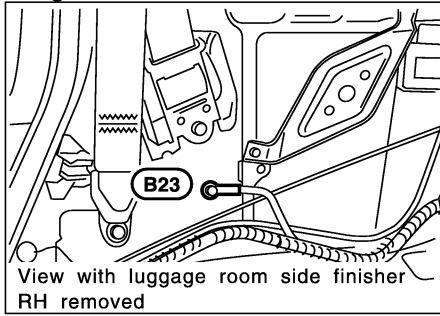
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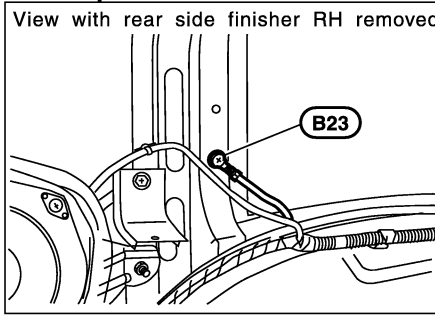
# GROUND DISTRIBUTION/WAGON AND HARDTOP MODELS

## Body Harness/RHD Models

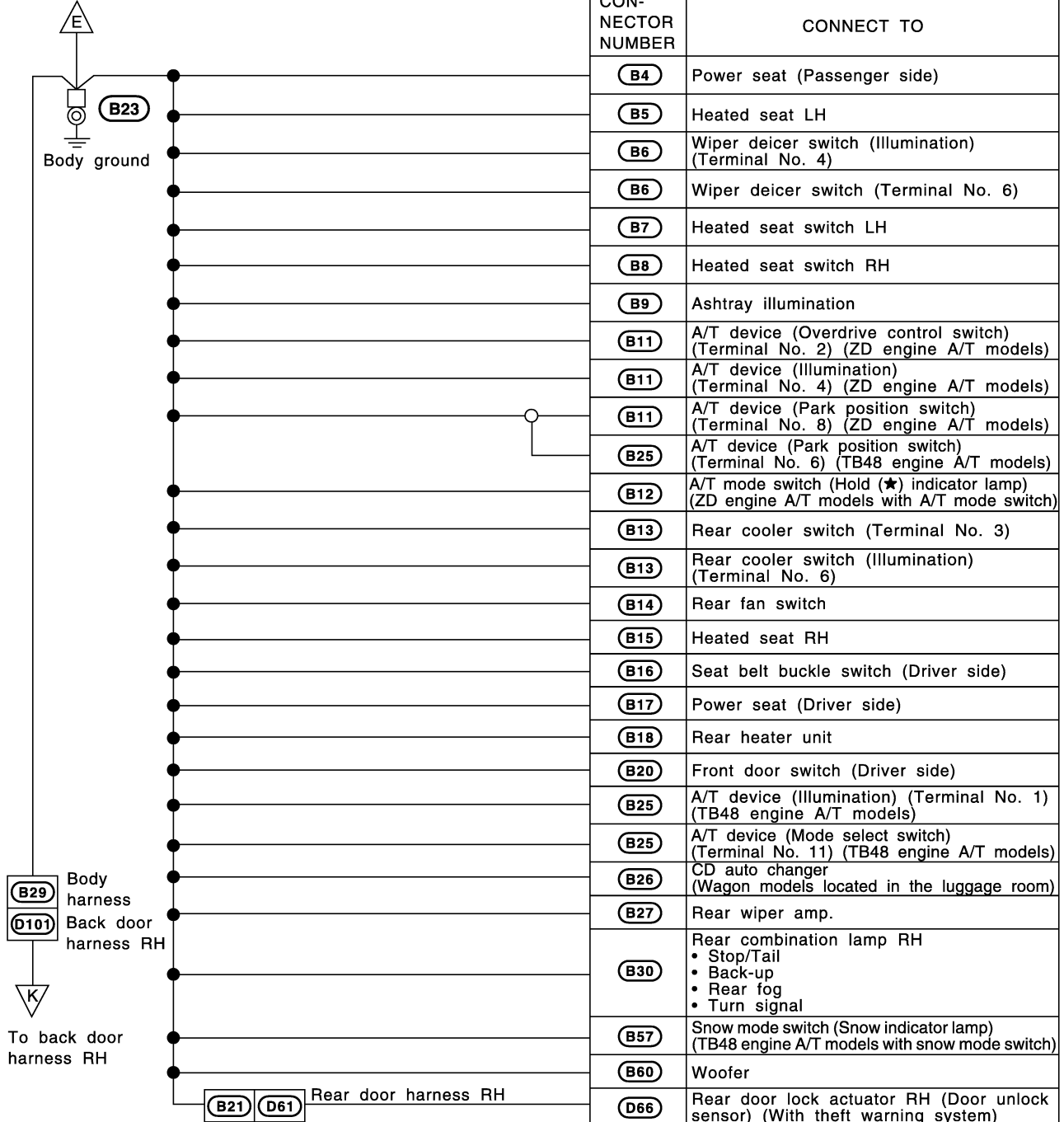
**Wagon models**



**Hardtop models**



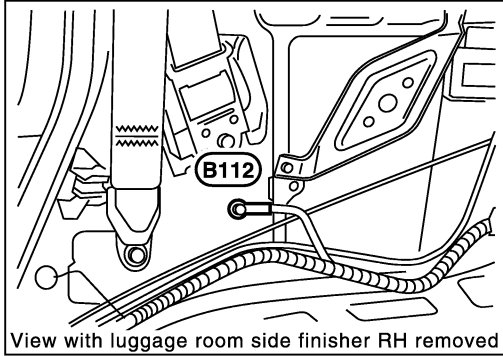
To main harness



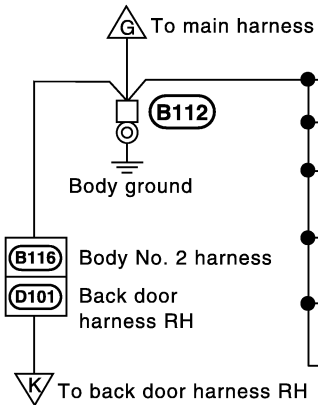
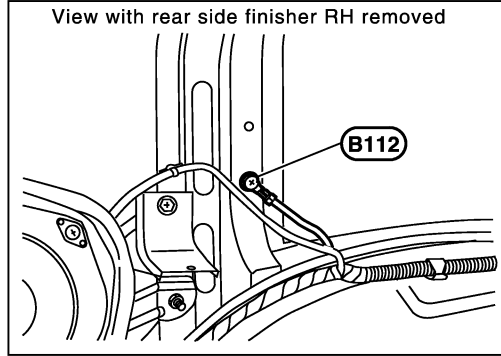
# GROUND DISTRIBUTION/WAGON AND HARDTOP MODELS

## Body No. 2 Harness/LHD Models

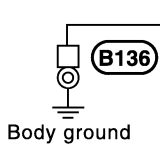
Wagon models



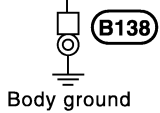
Hardtop models



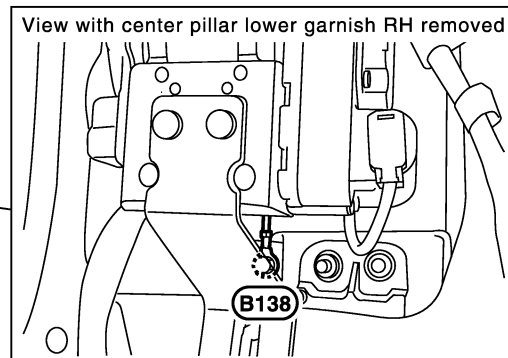
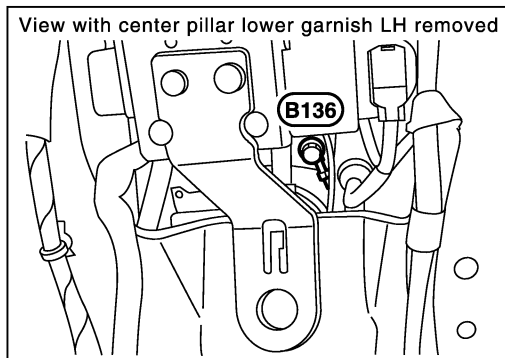
CON-NECTOR NUMBER	CONNECT TO
B107	Rear heater unit
B113	CD auto changer (Wagon models located in the luggage room)
B114	Rear wiper amp.
B117	Rear combination lamp RH <ul style="list-style-type: none"> <li>• Stop/Tail</li> <li>• Back-up</li> <li>• Turn signal</li> </ul>
B140	Woofer
D66	Rear door lock actuator RH (Door unlock sensor) (With theft warning system)



B135	Shield wire (Satellite sensor LH)
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B137	Shield wire (Satellite sensor RH)
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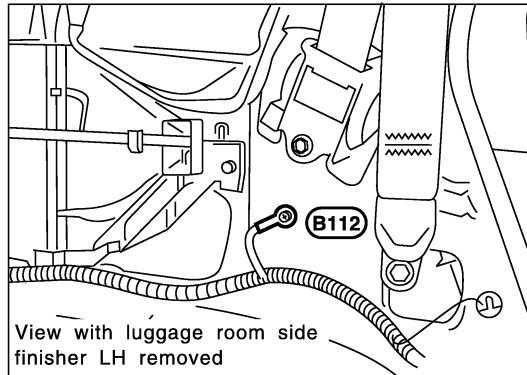


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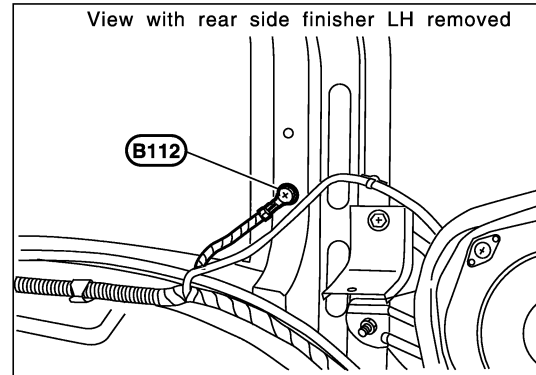
# GROUND DISTRIBUTION/WAGON AND HARDTOP MODELS

## Body No. 2 Harness/RHD Models

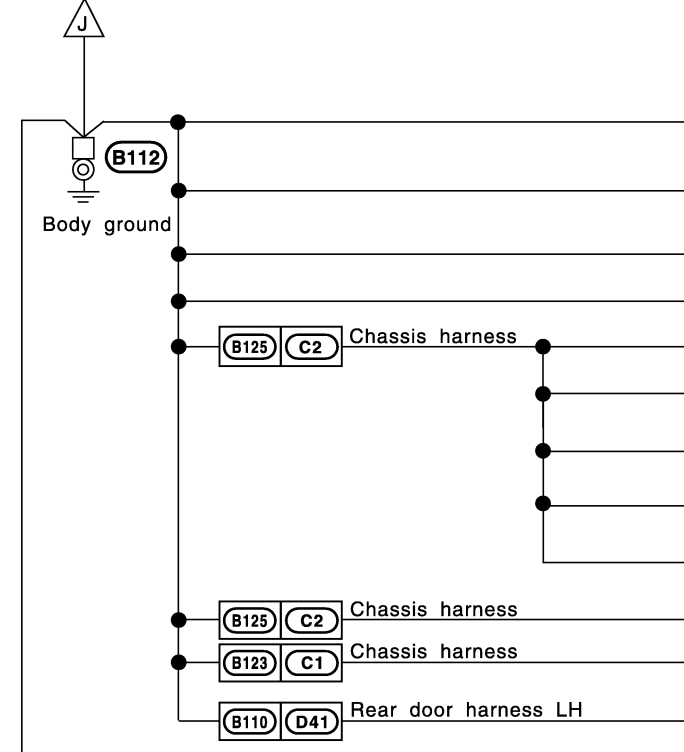
**Wagon models**



**Hardtop models**



To main harness



CONNECTOR NUMBER	CONNECT TO
B113	CD auto changer (Hardtop models located in the luggage room)
B117	Rear combination lamp LH <ul style="list-style-type: none"> <li>• Stop/Tail</li> <li>• Back-up</li> <li>• Turn signal</li> </ul>
B126	Power socket relay
B129	Rear power socket
C7	Diff. lock indicator switch
C9	Sub fuel tank gauge unit (Terminal No. 5)
C10	Rear bumper combination lamp LH <ul style="list-style-type: none"> <li>• Stop/Tail</li> <li>• Turn signal</li> </ul>
C11	Fuel tank gauge unit (Fuel pump) (Terminal No. 6) (Gasoline engine models)
C12	Rear bumper combination lamp RH <ul style="list-style-type: none"> <li>• Stop/Tail</li> <li>• Turn signal</li> </ul>
C8	Sub fuel tank gauge unit (Terminal No. 3)
C11	Fuel tank gauge unit (Terminal No. 2)
D46	Rear door lock actuator LH (Door unlock sensor) (With theft warning system)

B116 Body No. 2 harness  
D81 Back door harness LH

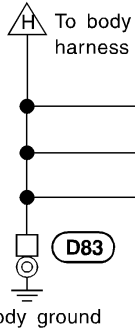
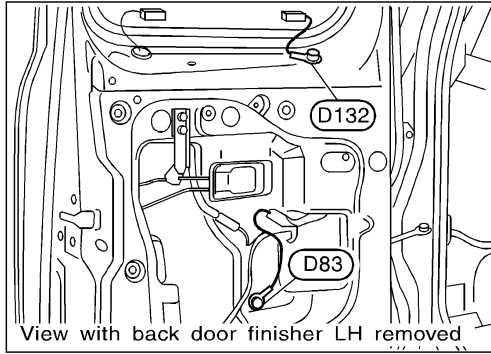
To back door harness LH



# GROUND DISTRIBUTION/WAGON AND HARDTOP MODELS

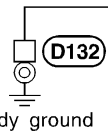
## Back Door and Rear Window Defogger Harness/LHD Models

### BACK DOOR HARNESS LH



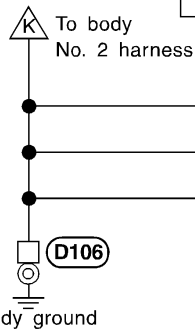
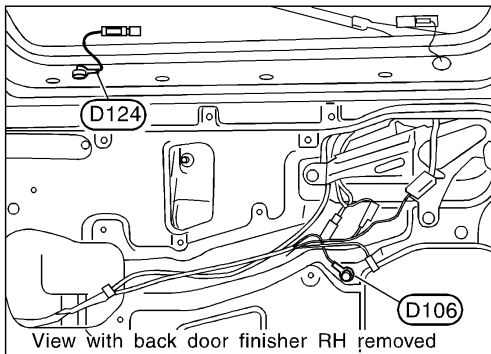
CON-NECTOR NUMBER	CONNECT TO
D82	License plate lamp
D86	Back door lock actuator (Door unlock sensor)
D88	Back door key cylinder switch (With theft warning system)

### REAR WINDOW DEFOGGER HARNESS LH



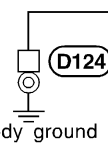
D131	Rear window defogger LH
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### BACK DOOR HARNESS RH



D104	High-mounted stop lamp
D105	Rear wiper motor
D107	Back door switch RH

### REAR WINDOW DEFOGGER HARNESS RH



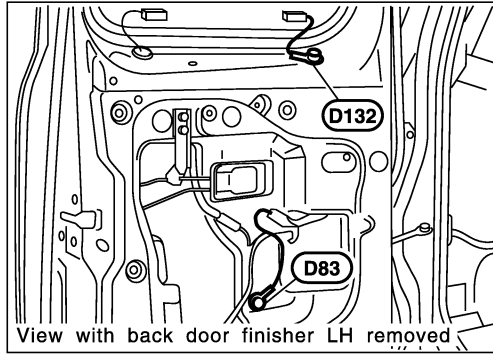
D123	Rear window defogger RH
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GI  
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IDX

# GROUND DISTRIBUTION/WAGON AND HARDTOP MODELS

## Back Door and Rear Window Defogger Harness/RHD Models

### BACK DOOR HARNESS LH



To body No. 2 harness

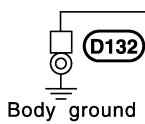


D83

Body ground

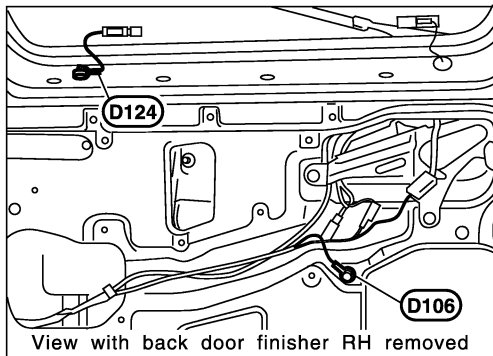
CONNECTOR NUMBER	CONNECT TO
D82	License plate lamp
D86	Back door lock actuator (Door unlock sensor)
D88	Back door key cylinder switch (With theft warning system)

### REAR WINDOW DEFOGGER HARNESS LH



D131	Rear window defogger LH
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### BACK DOOR HARNESS RH



To body harness

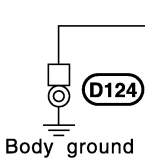


D106

Body ground

D104	High-mounted stop lamp
D105	Rear wiper motor
D107	Back door switch RH

### REAR WINDOW DEFOGGER HARNESS RH

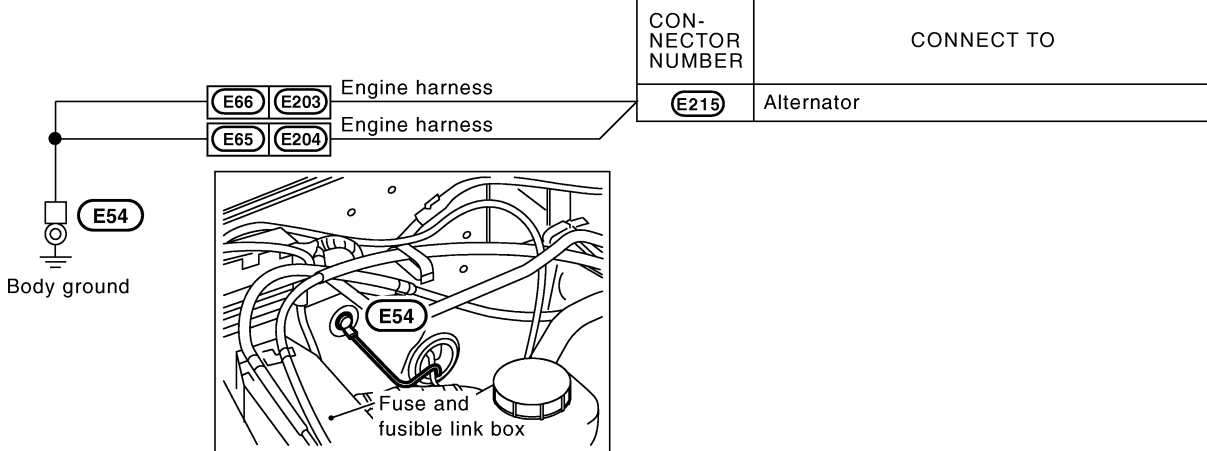
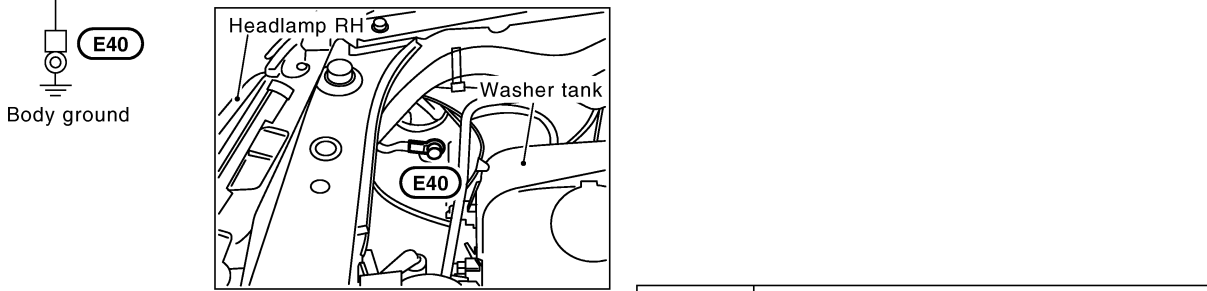
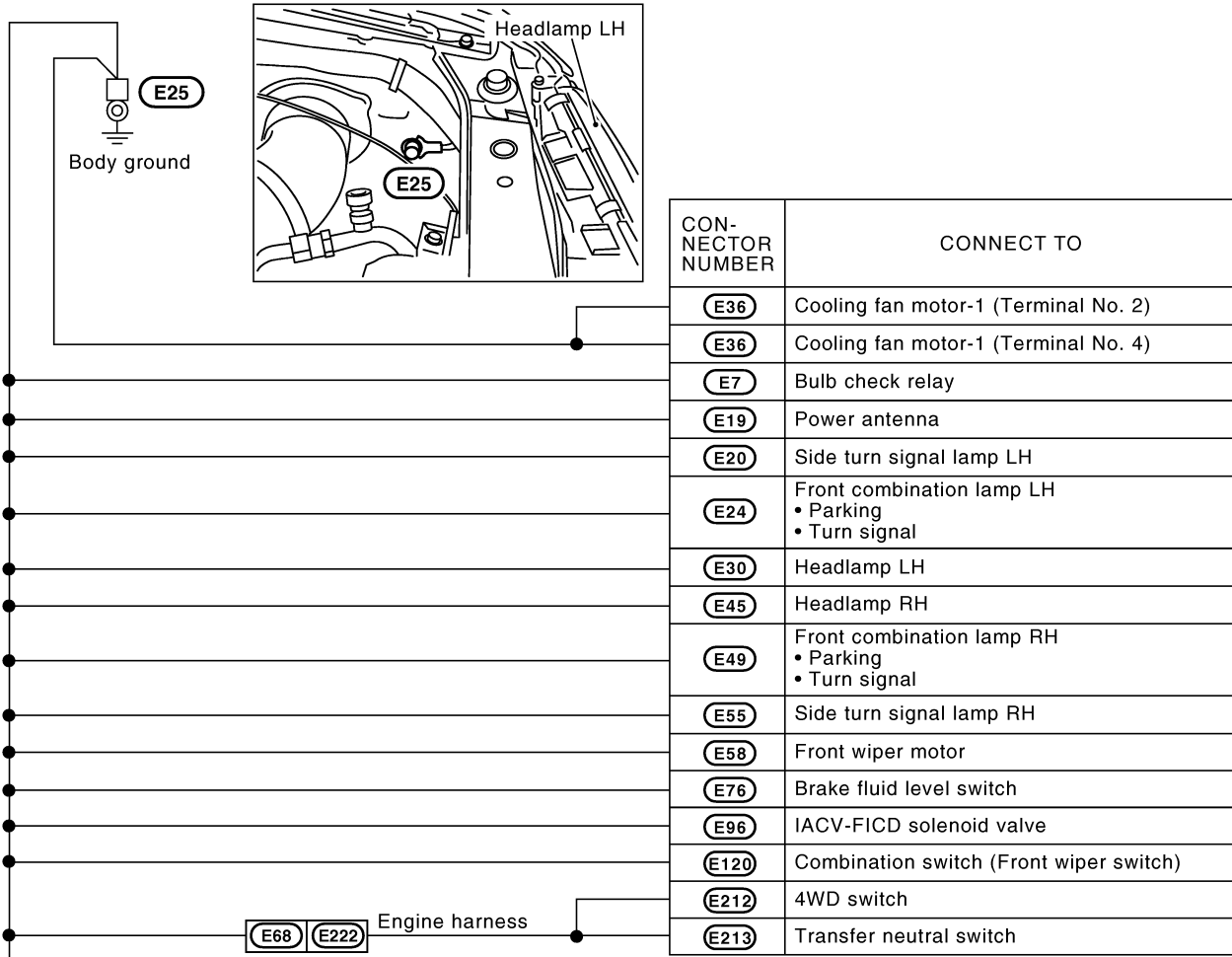


D123	Rear window defogger RH
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# GROUND DISTRIBUTION/PICKUP MODELS

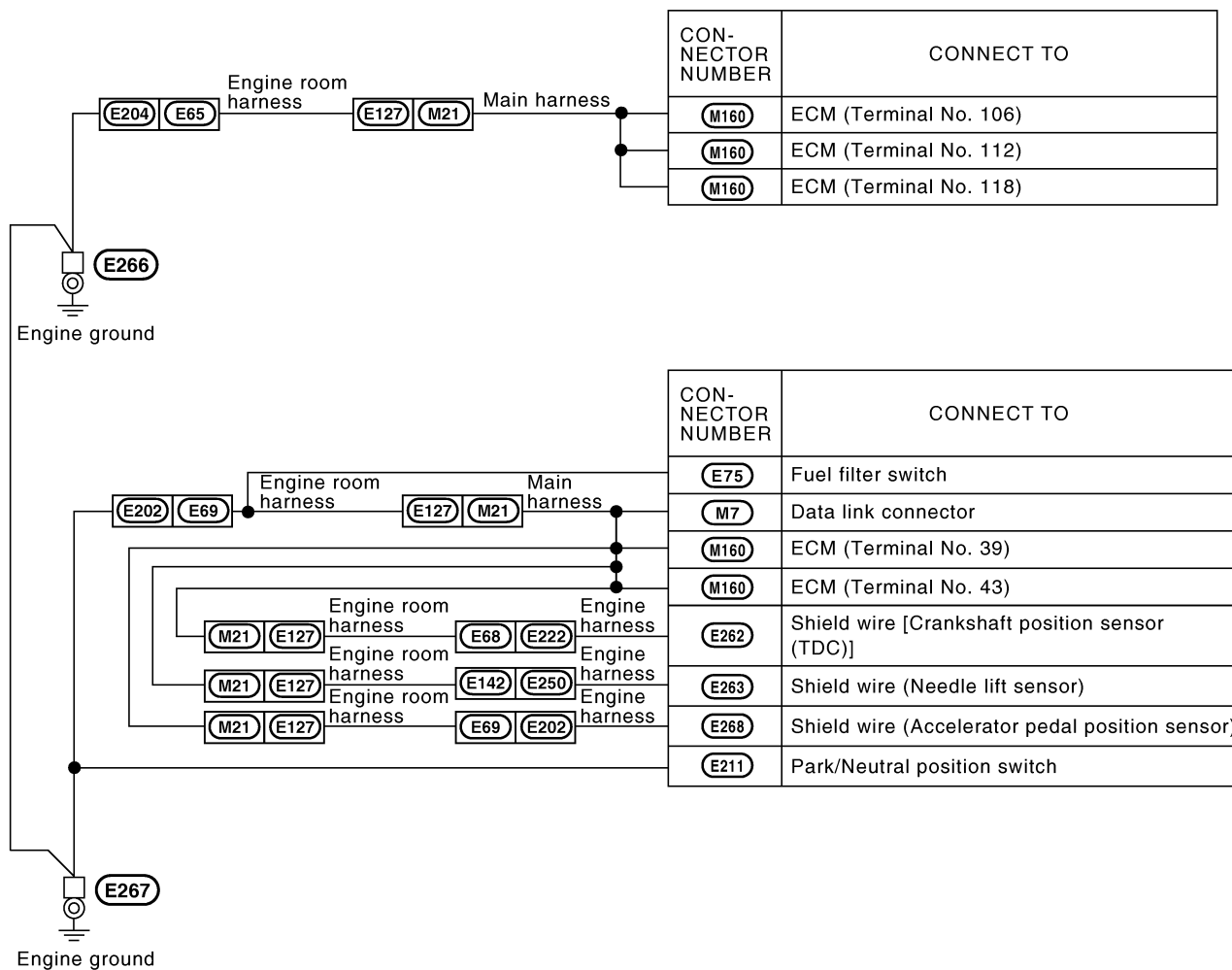
## Engine Room Harness

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MA  
EM  
LC  
EC  
FE  
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IDX



## Engine Harness

### TD42Ti ENGINE



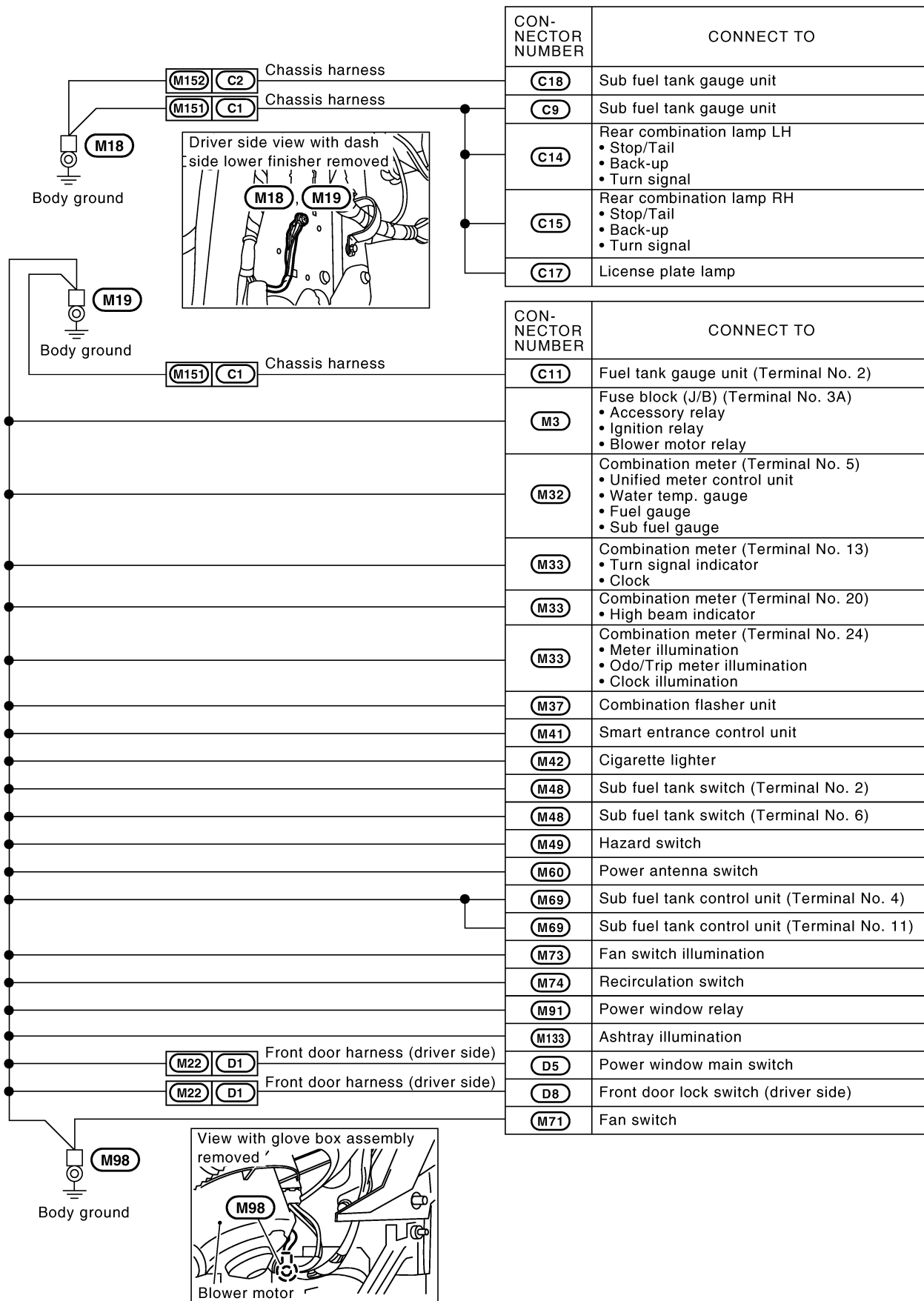
CON-NECTOR NUMBER	CONNECT TO
M160	ECM (Terminal No. 106)
M160	ECM (Terminal No. 112)
M160	ECM (Terminal No. 118)

CON-NECTOR NUMBER	CONNECT TO
E75	Fuel filter switch
M7	Data link connector
M160	ECM (Terminal No. 39)
M160	ECM (Terminal No. 43)
E262	Shield wire [Crankshaft position sensor (TDC)]
E263	Shield wire (Needle lift sensor)
E268	Shield wire (Accelerator pedal position sensor)
E211	Park/Neutral position switch

# GROUND DISTRIBUTION/PICKUP MODELS

## Main Harness

GI  
 MA  
 EM  
 LC  
 EC  
 FE  
 CL  
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 TF  
 PD  
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 EL  
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 IDX



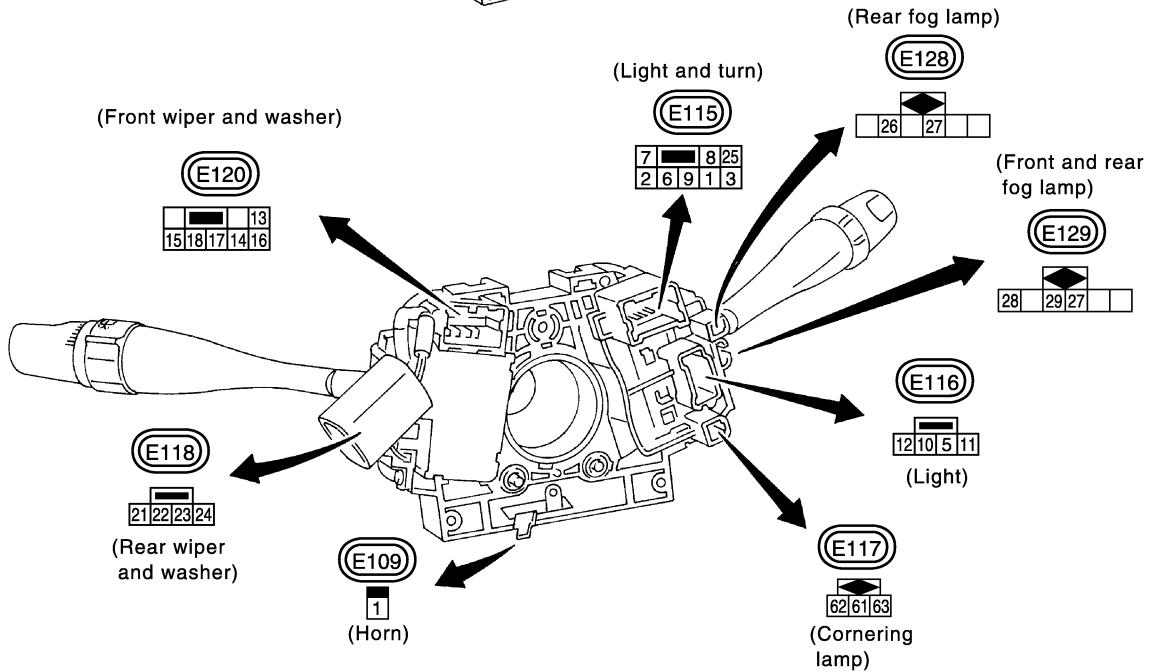
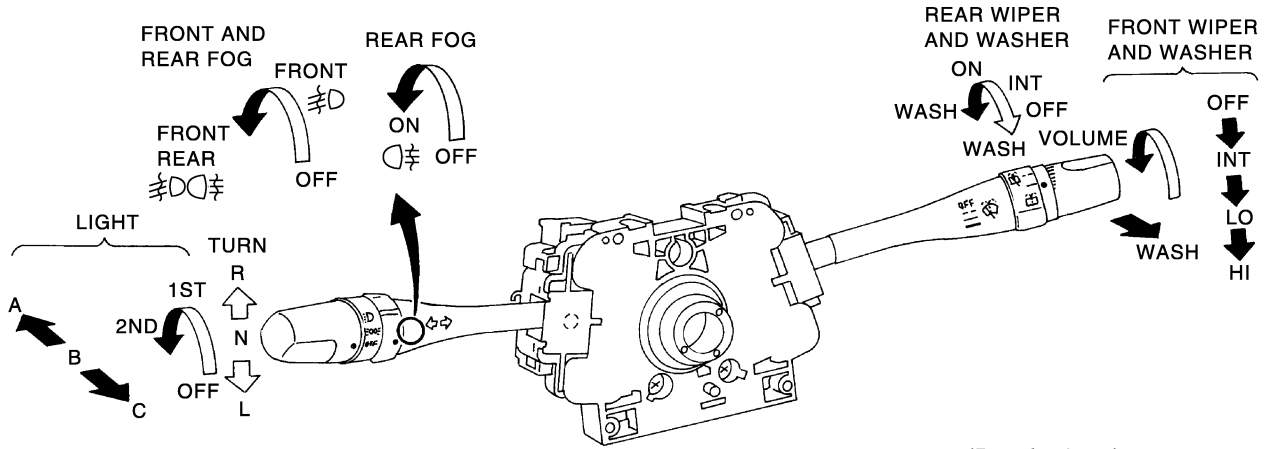
CON-NECTOR NUMBER	CONNECT TO
(C18)	Sub fuel tank gauge unit
(C9)	Sub fuel tank gauge unit
(C14)	Rear combination lamp LH • Stop/Tail • Back-up • Turn signal
(C15)	Rear combination lamp RH • Stop/Tail • Back-up • Turn signal
(C17)	License plate lamp

CON-NECTOR NUMBER	CONNECT TO
(C11)	Fuel tank gauge unit (Terminal No. 2)
(M3)	Fuse block (J/B) (Terminal No. 3A) • Accessory relay • Ignition relay • Blower motor relay
(M32)	Combination meter (Terminal No. 5) • Unified meter control unit • Water temp. gauge • Fuel gauge • Sub fuel gauge
(M33)	Combination meter (Terminal No. 13) • Turn signal indicator • Clock
(M33)	Combination meter (Terminal No. 20) • High beam indicator
(M33)	Combination meter (Terminal No. 24) • Meter illumination • Odo/Trip meter illumination • Clock illumination
(M37)	Combination flasher unit
(M41)	Smart entrance control unit
(M42)	Cigarette lighter
(M48)	Sub fuel tank switch (Terminal No. 2)
(M48)	Sub fuel tank switch (Terminal No. 6)
(M49)	Hazard switch
(M60)	Power antenna switch
(M69)	Sub fuel tank control unit (Terminal No. 4)
(M69)	Sub fuel tank control unit (Terminal No. 11)
(M73)	Fan switch illumination
(M74)	Recirculation switch
(M91)	Power window relay
(M133)	Ashtray illumination
(D5)	Power window main switch
(D8)	Front door lock switch (driver side)
(M71)	Fan switch

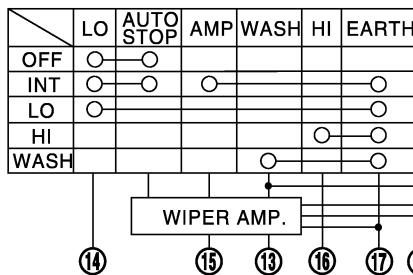
# COMBINATION SWITCH

## Check

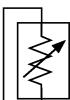
### RHD MODELS FOR EUROPE AND LHD MODELS



FRONT WIPER AND WASHER SWITCH



VARIABLE INTERMITTENT WIPER VOLUME



CORNERING LAMP SWITCH

	L	N	R
61	<input type="checkbox"/>		<input type="checkbox"/>
62	<input type="checkbox"/>		<input type="checkbox"/>
63	<input type="checkbox"/>		<input type="checkbox"/>

FRONT AND REAR FOG LAMP SWITCH

	OFF	FRONT	FRONT REAR
28		<input type="checkbox"/>	
29		<input type="checkbox"/>	<input type="checkbox"/>
27			<input type="checkbox"/>

REAR WIPER AND WASHER SWITCH

	WASH	OFF	INT	ON	WASH
21			<input type="checkbox"/>		
22			<input type="checkbox"/>		<input type="checkbox"/>
23	<input type="checkbox"/>				<input type="checkbox"/>
24	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

TURN SIGNAL SWITCH

	L	N	R
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2	<input type="checkbox"/>		<input type="checkbox"/>
3	<input type="checkbox"/>		<input type="checkbox"/>

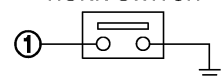
LIGHTING SWITCH

	OFF	1ST	2ND						
	A	B	C	A	B	C	A	B	C
5		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6		<input type="checkbox"/>							
7		<input type="checkbox"/>							
25				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REAR FOG LAMP SWITCH

	OFF	ON
26		<input type="checkbox"/>
27		<input type="checkbox"/>

HORN SWITCH



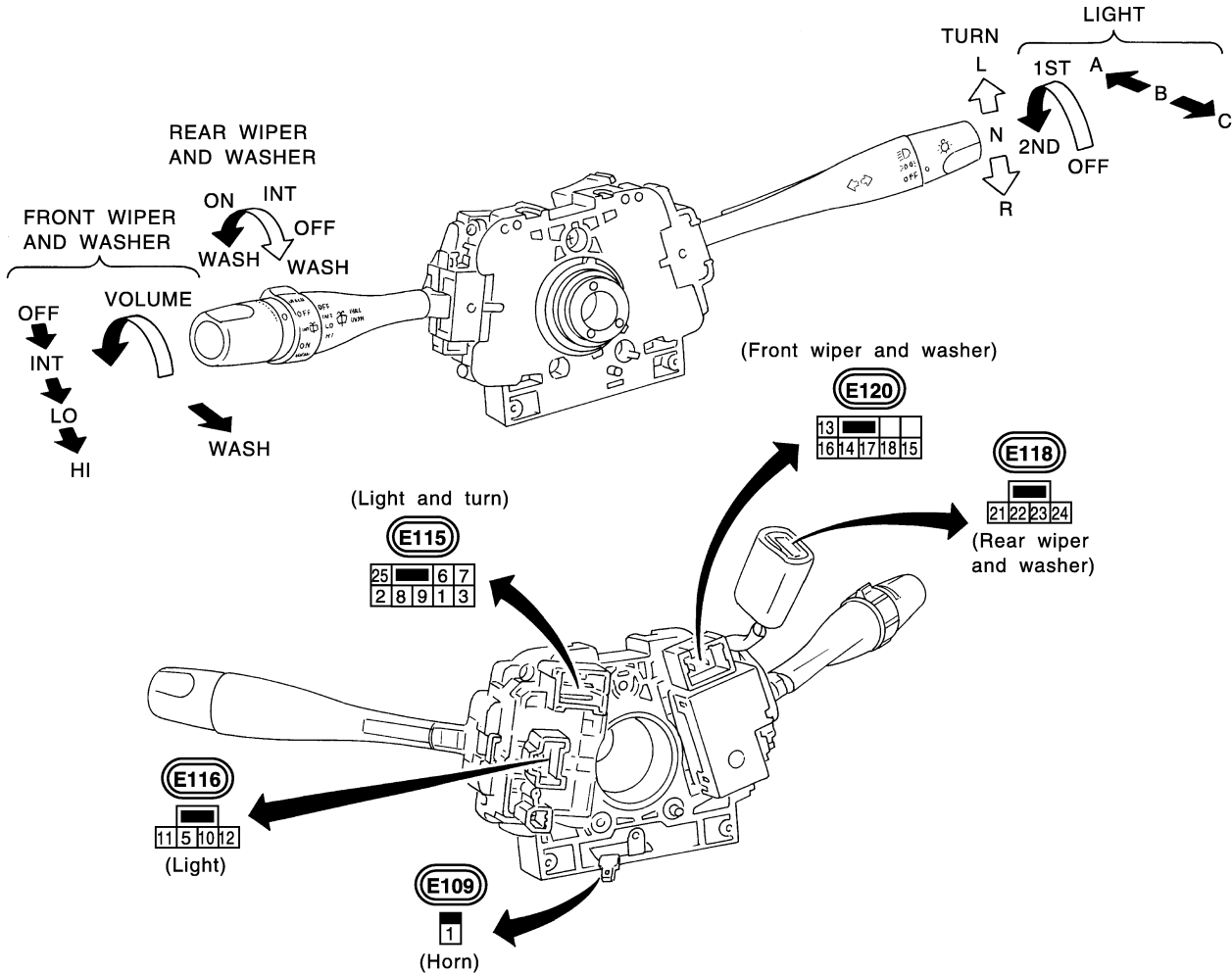
CEL446M

# COMBINATION SWITCH

## Check (Cont'd)

RHD MODELS EXCEPT FOR EUROPE

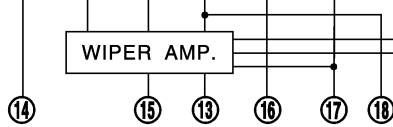
GI  
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IDX



FRONT WIPER AND WASHER SWITCH

	LO	AUTO STOP	AMP	WASH	HI	EARTH
OFF	<input type="checkbox"/>	<input type="checkbox"/>				
INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
LO	<input type="checkbox"/>					<input type="checkbox"/>
HI					<input type="checkbox"/>	<input type="checkbox"/>
WASH				<input type="checkbox"/>		<input type="checkbox"/>

VARIABLE INTERMITTENT WIPER VOLUME



REAR WIPER AND WASHER SWITCH

	WASH	OFF	INT	ON	WASH
21			<input type="checkbox"/>		
22				<input type="checkbox"/>	<input type="checkbox"/>
23	<input type="checkbox"/>				<input type="checkbox"/>
24	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

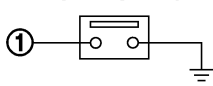
TURN SIGNAL SWITCH

	L	N	R
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>		<input type="checkbox"/>
3	<input type="checkbox"/>		<input type="checkbox"/>

LIGHTING SWITCH

	OFF	1ST	2ND
	A B C	A B C	A B C
5		<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>		
7			<input type="checkbox"/>
25			<input type="checkbox"/>
8	<input type="checkbox"/>		<input type="checkbox"/>
9	<input type="checkbox"/>		<input type="checkbox"/>
10			<input type="checkbox"/>
11		<input type="checkbox"/>	<input type="checkbox"/>
12		<input type="checkbox"/>	<input type="checkbox"/>

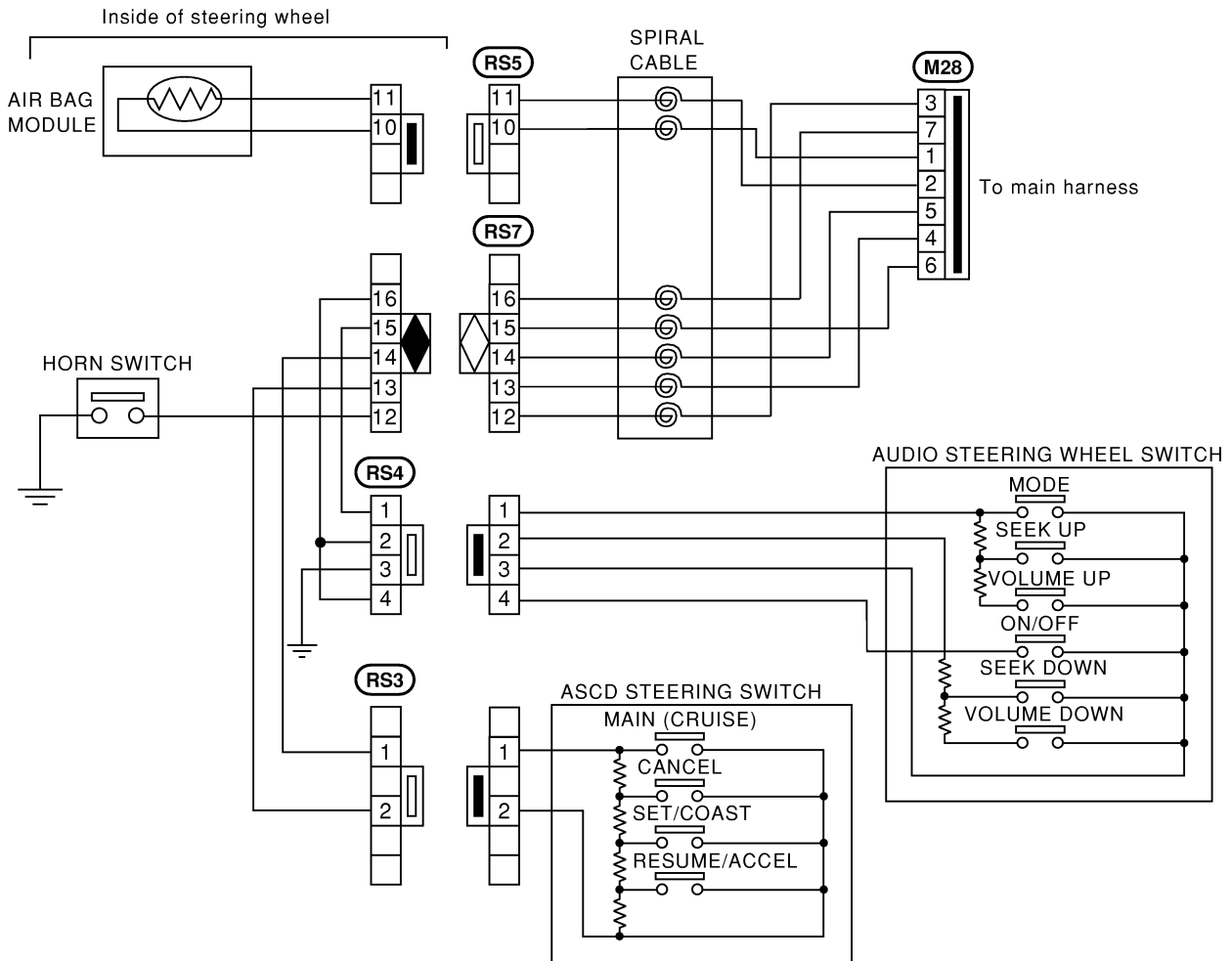
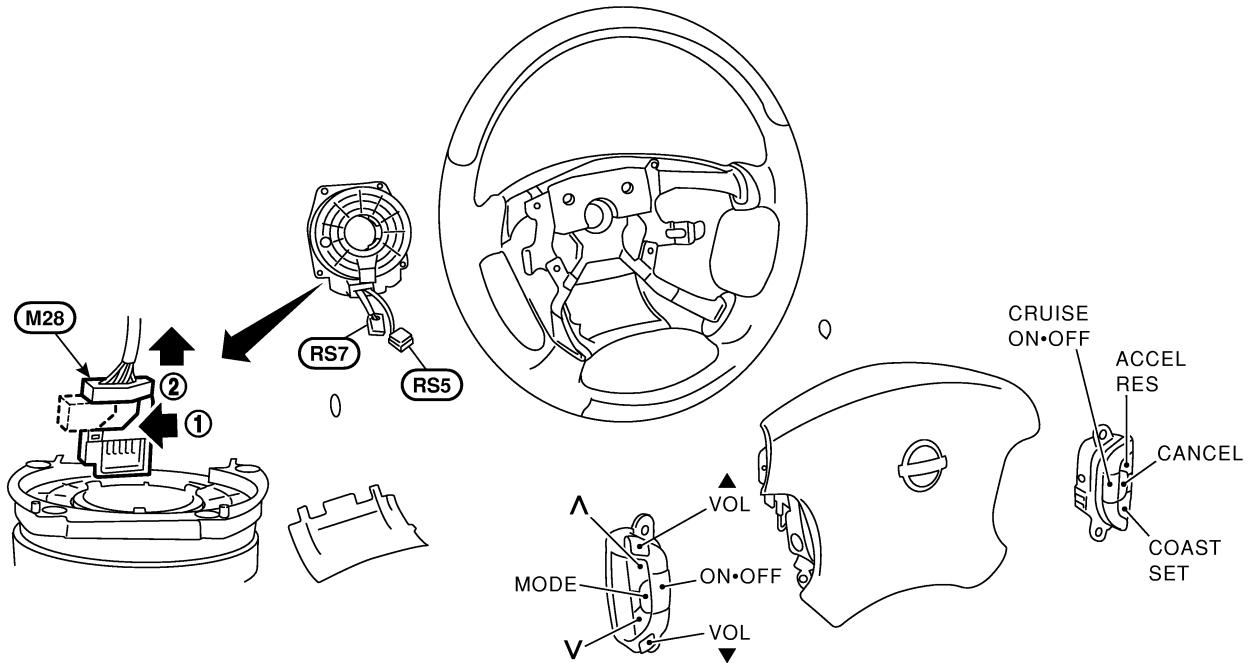
HORN SWITCH



# STEERING SWITCH

## Check

### WITH ASCD AND AUDIO SWITCH





# BATTERY/WAGON, HARDTOP AND PICKUP MODELS

## Service Data and Specifications (SDS)

### EXCEPT FOR AUSTRALIA

Applied model	TB48DE	ZD30DDTi		
		Except for North Europe		For North Europe
		Standard	Option	
Type	115D31L	110D26L x 2		
Capacity V-AH	12-70	12-128 (64 + 64)		

### FOR AUSTRALIA

Applied model	Wagon and Hardtop model		Pickup model
	TB48DE	ZD30DDTi	TD42Ti
Type	110D26L	115D31L	95D31L
Capacity V-AH	12-64	12-70	12-64

GI

MA

EM

LC

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MT

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TF

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FA

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BR

ST

RS

BT

HA

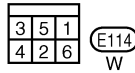
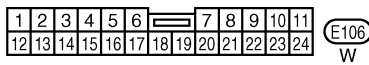
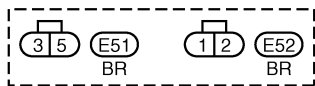
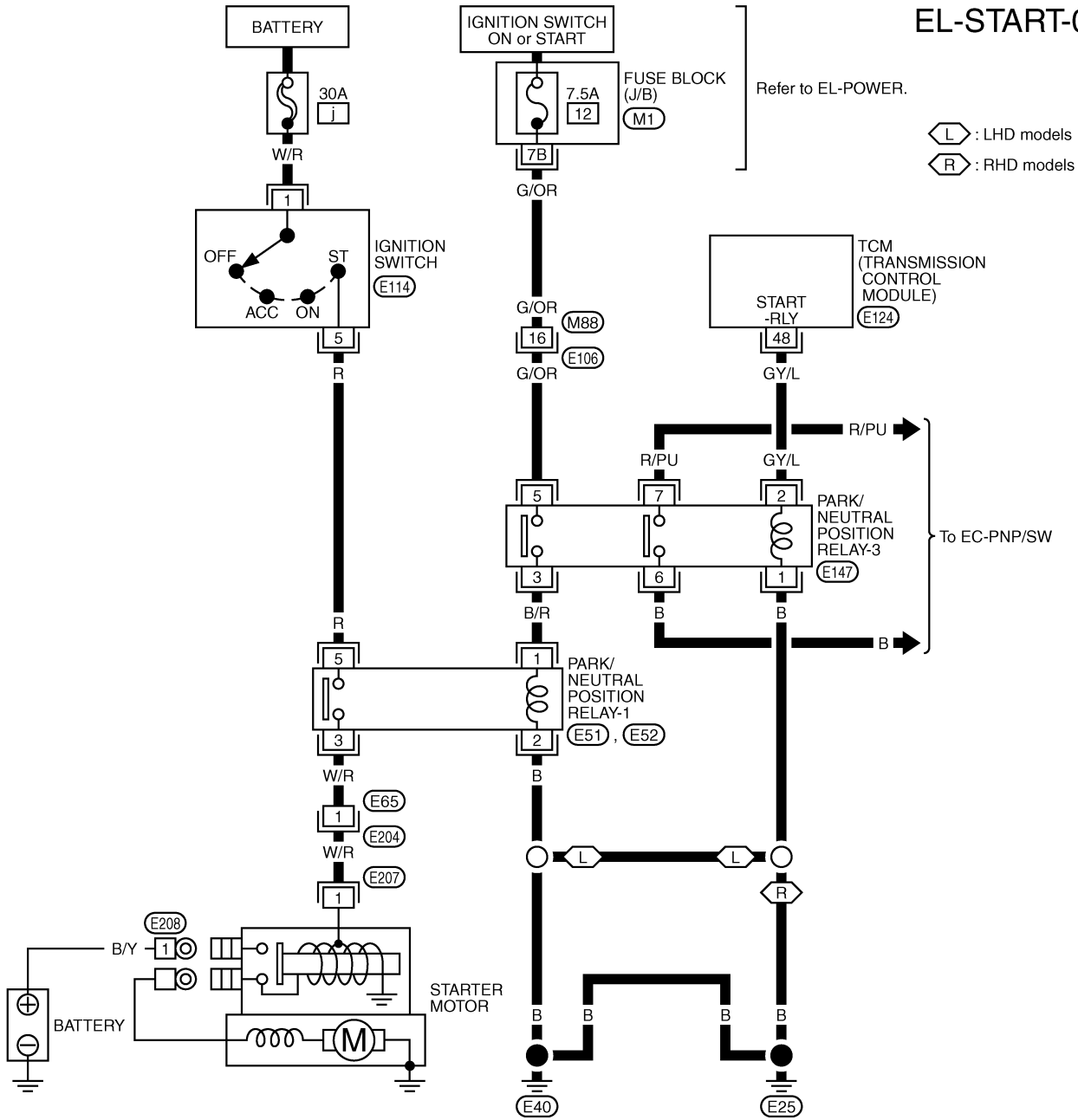
EL

SE

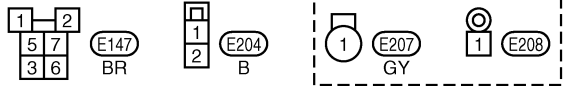
IDX

Wiring Diagram — START —/A/T Models with TB48 Engine

EL-START-01



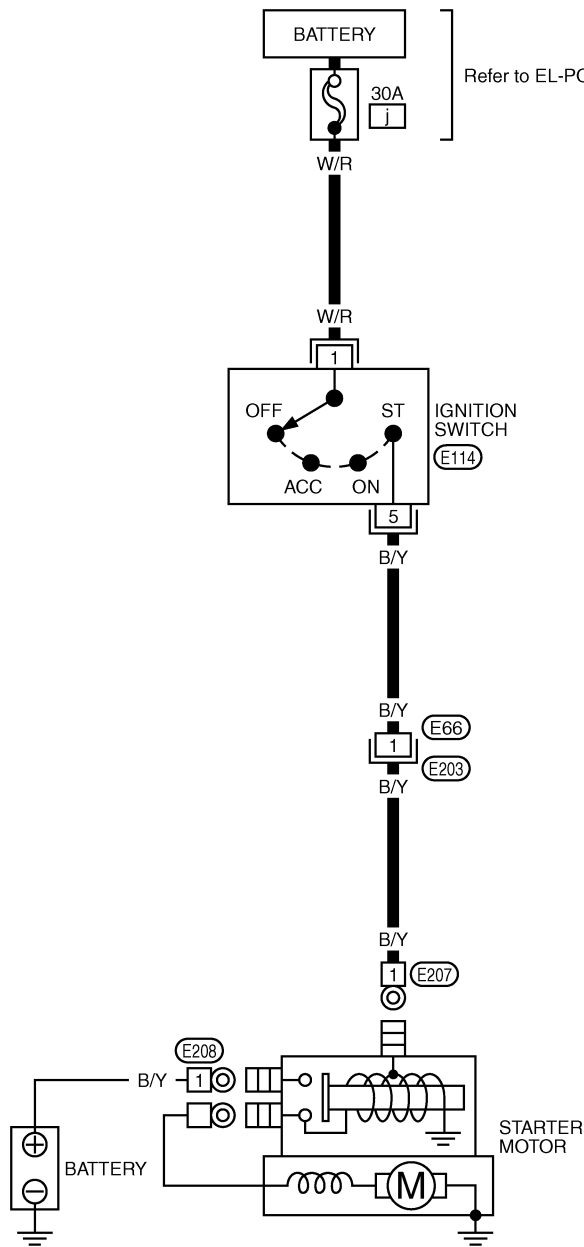
Refer to last page (Foldout page).



# STARTING SYSTEM/PICKUP MODELS

## Wiring Diagram — START —

EL-START-02



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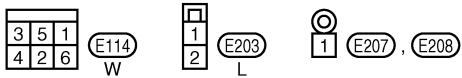
BT

HA

**EL**

SE

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# STARTING SYSTEM/WAGON, HARDTOP AND PICKUP MODELS

## Service Data and Specifications (SDS)

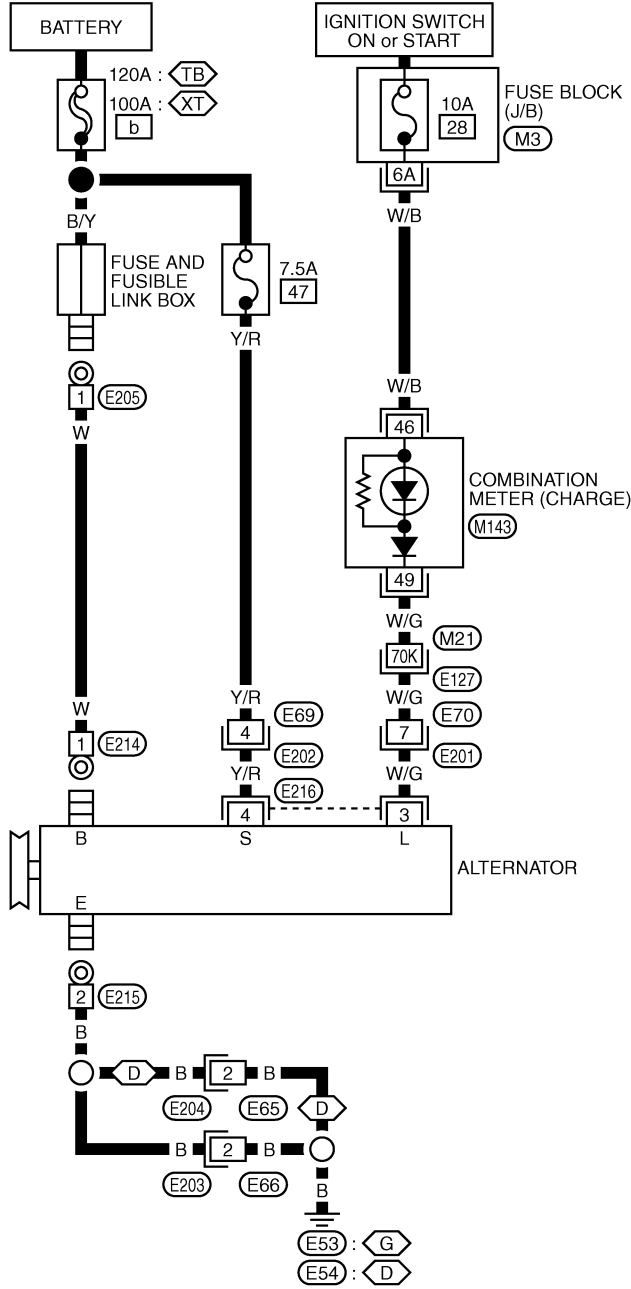
### STARTER

		S114-878A	S13-118A	S13-551A	S14-607
Type		HITACHI make			
		Reduction gear type			
	Applied model	TB48DE	TD42Ti	ZD30DDTi	
			Standard	Option	
System voltage	V	12			
No-load					
Terminal voltage	V	11			
Current	A	Less than 90	Less than 160		
Revolution	rpm	2,300	3,300	3,400	
Minimum diameter of commutator	mm (in)	28 (1.102)	35.5 (1.398)		
Minimum length of brush	mm (in)	10.5 (0.413)		11 (0.43)	10.5 (0.413)
Brush spring tension	N (kg, lb)	16.2 (1.65, 3.64)	24.5 - 34.3 (2.5 - 3.5, 5.5 - 7.7)	28.4 - 34.3 (2.9 - 3.5, 6.4 - 7.7)	24.5 - 34.3 (2.5 - 3.5, 5.5 - 7.7)
Clearance between bearing metal and armature shaft	mm (in)	Less than 0.2 (0.008)	—	—	—
Clearance "ℓ" between pinion front edge and pinion stopper	mm (in)	0.3 - 2.5 (0.012 - 0.098)	—	—	—
Movement "ℓ" in height of pinion assembly	mm (in)	—	0.3 - 1.5 (0.012 - 0.059)	0.3 - 2.0 (0.012 - 0.079)	

# CHARGING SYSTEM/WAGON AND HARDTOP MODELS

## Wiring Diagram — CHARGE —

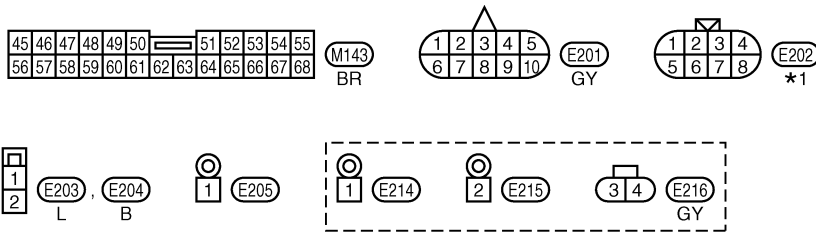
EL-CHARGE-01



Refer to EL-POWER.

- : Gasoline engine models
- : Diesel engine models
- : TB48 engine models
- : Except for TB48 engine models
- : TB48 and TB45E engine models
- : Except for TB48 and TB45E engine models
- \*1 GY :
- B :

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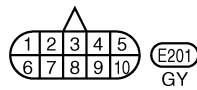
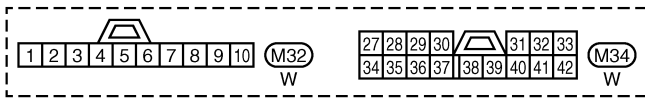
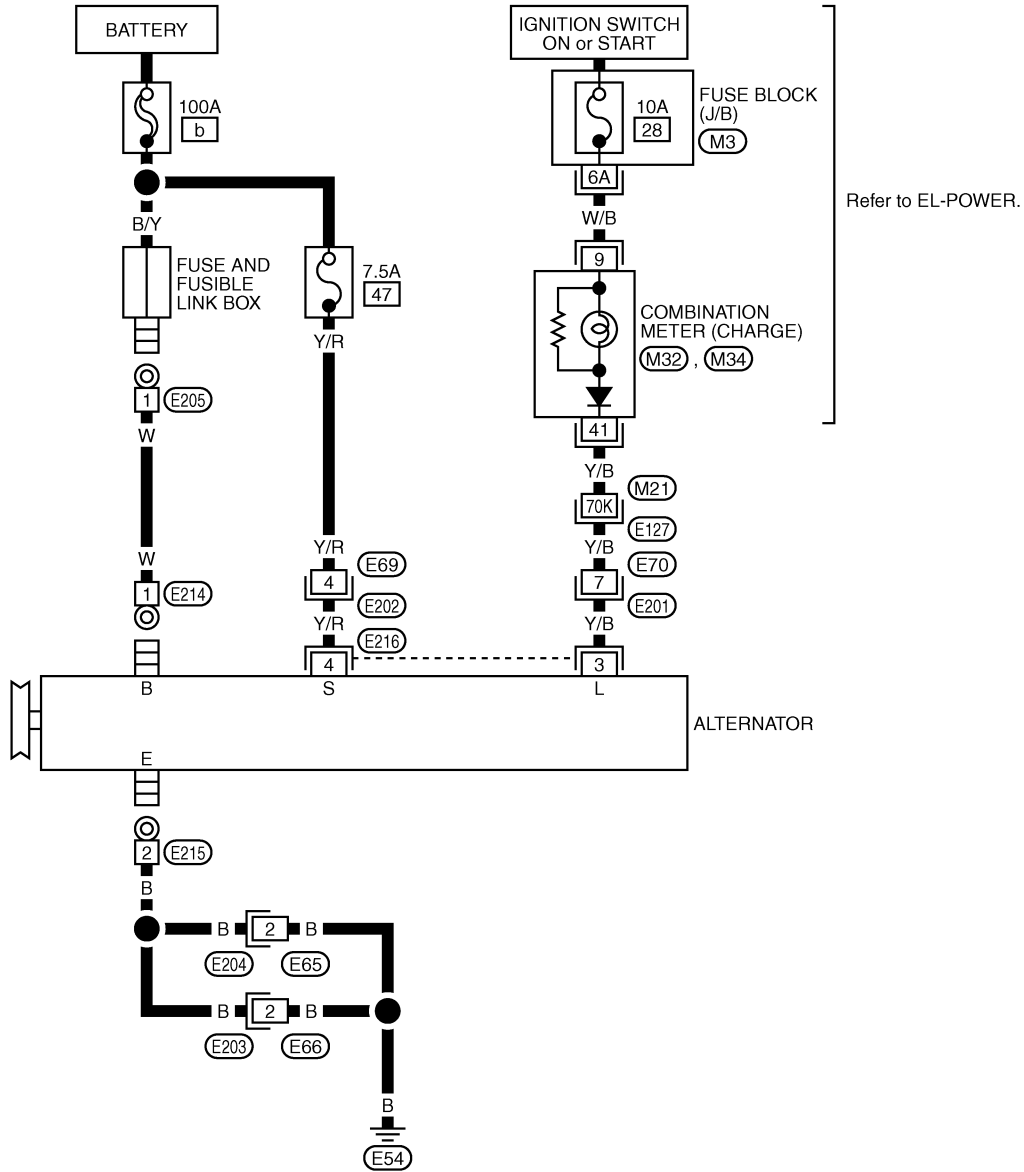
Refer to last page (Foldout page).

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# CHARGING SYSTEM/PICKUP MODELS

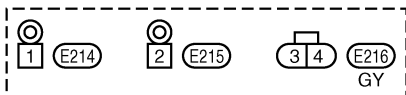
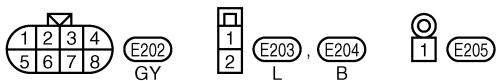
## Wiring Diagram — CHARGE —

EL-CHARGE-02



Refer to last page (Foldout page).

M21, E127  
M3



# CHARGING SYSTEM/WAGON, HARDTOP AND PICKUP MODELS

## Service Data and Specifications (SDS)

### ALTERNATOR

Type	LR1110-718	LR1100-705F	A3TA2699C	LR190-752
	HITACHI		MITSUBISHI	HITACHI
Applied model	TB48DE	TD42Ti		ZD30DDTi
Nominal rating V-A	12-110	12-100	12-70	12-90
Ground polarity	Negative			
Minimum revolution under no-load (When 13.5V is applied) rpm	Less than 950	Less than 1,000	Less than 1,300	Less than 1,000
Hot output current (When 13.5V is applied) A/rpm	More than 35/1,300 More than 85/2,500 More than 110/5,000	More than 34/1,300 More than 80/2,500 More than 91/5,000	More than 29/1,300 More than 65/2,500	More than 23/1,300 More than 65/2,500 More than 87/5,000
Regulated output voltage V	14.1 - 14.7			
Minimum length of brush mm (in)	6.0 (0.236)		5 (0.20)	6.0 (0.236)
Brush spring pressure N (g, oz)	1.0 - 3.43 (102 - 350, 3.60 - 12.34)		4.6 - 5.8 (470 - 590, 16.58 - 20.81)	1.0 - 3.43 (102 - 350, 3.60 - 12.34)
Slip ring minimum outer diameter mm (in)	26.0 (1.024)		22.1 (0.870)	26.0 (1.024)
Rotor (Field coil) resistance $\Omega$	2.31	2.31	2.1 - 2.5	2.67

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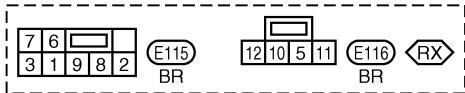
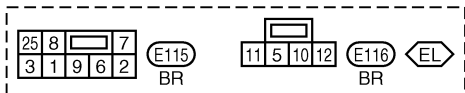
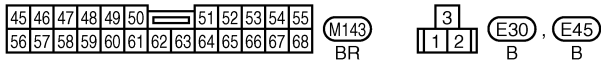
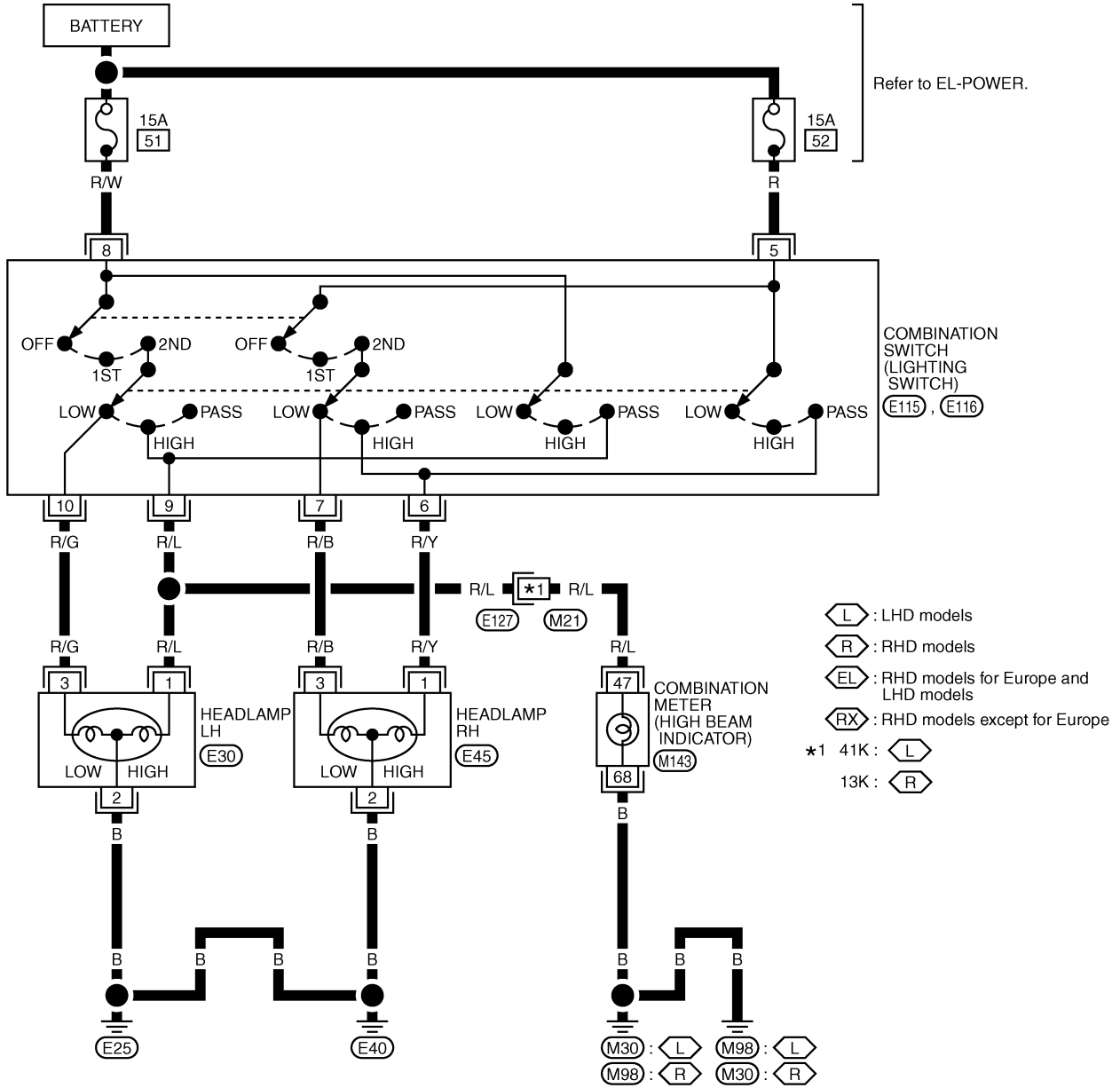
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Wiring Diagram — H/LAMP —

EL-H/LAMP-01

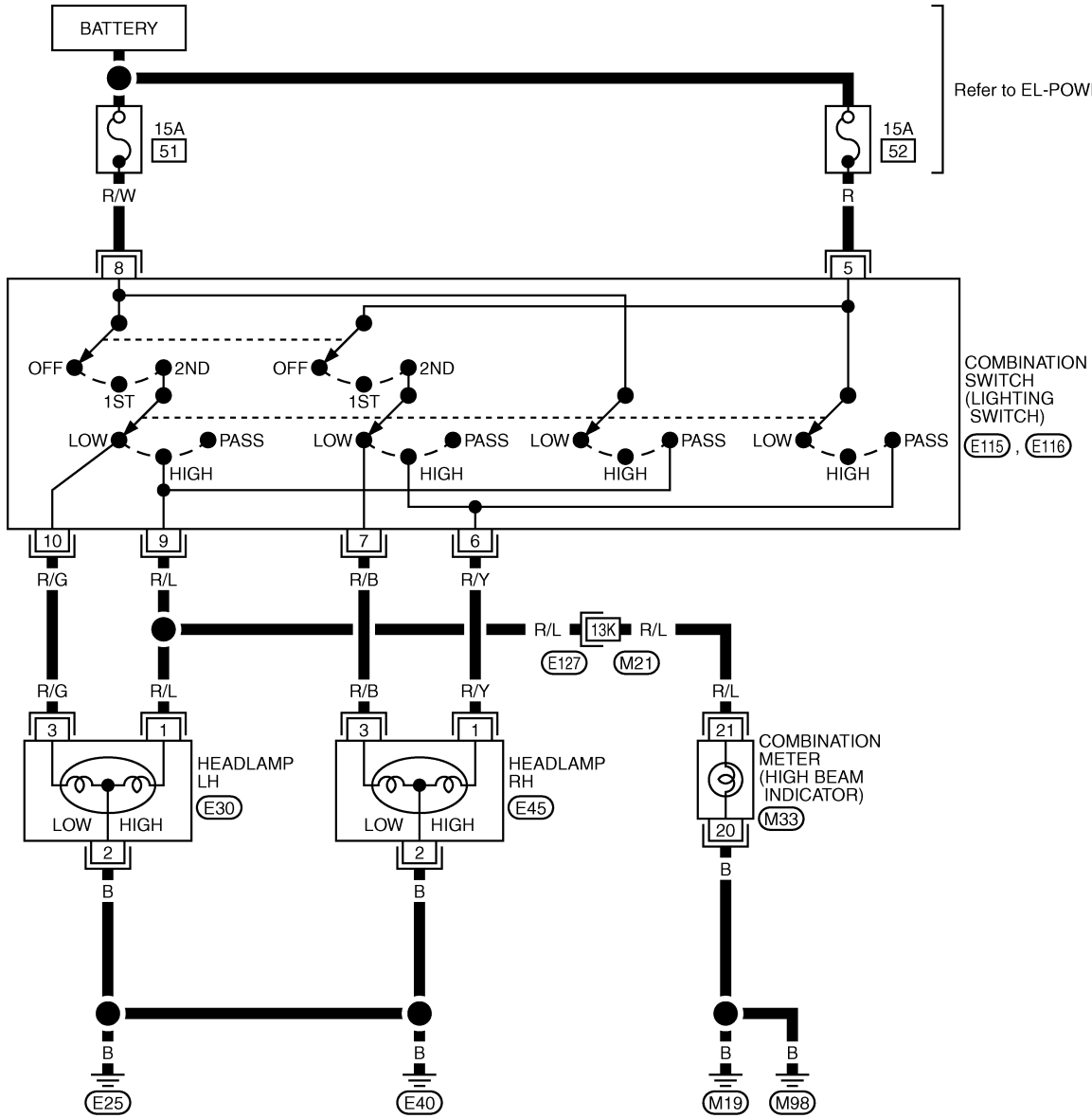


Refer to last page (Foldout page).  
 M21, E127



Wiring Diagram — H/LAMP —

EL-H/LAMP-02



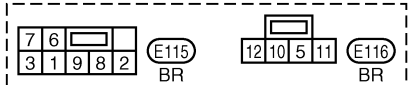
Refer to EL-POWER.

COMBINATION SWITCH (LIGHTING SWITCH) (E115), (E116)

COMBINATION METER (HIGH BEAM INDICATOR) (M33)



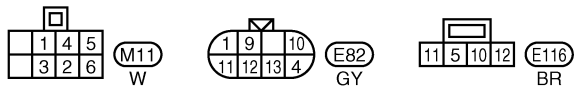
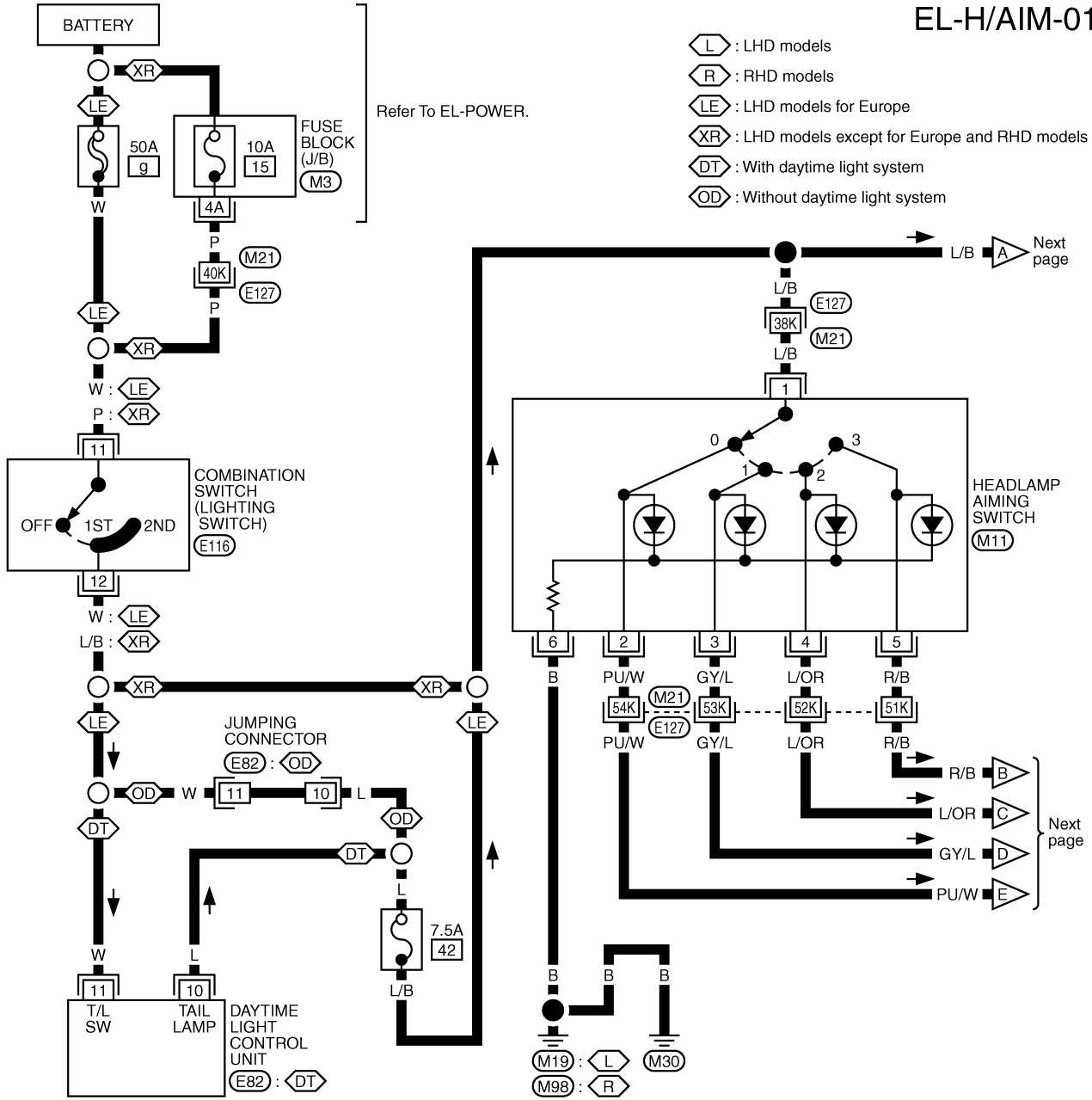
Refer to last page (Foldout page). (M21), (E127)



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## Wiring Diagram — H/AIM —

EL-H/AIM-01



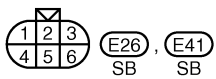
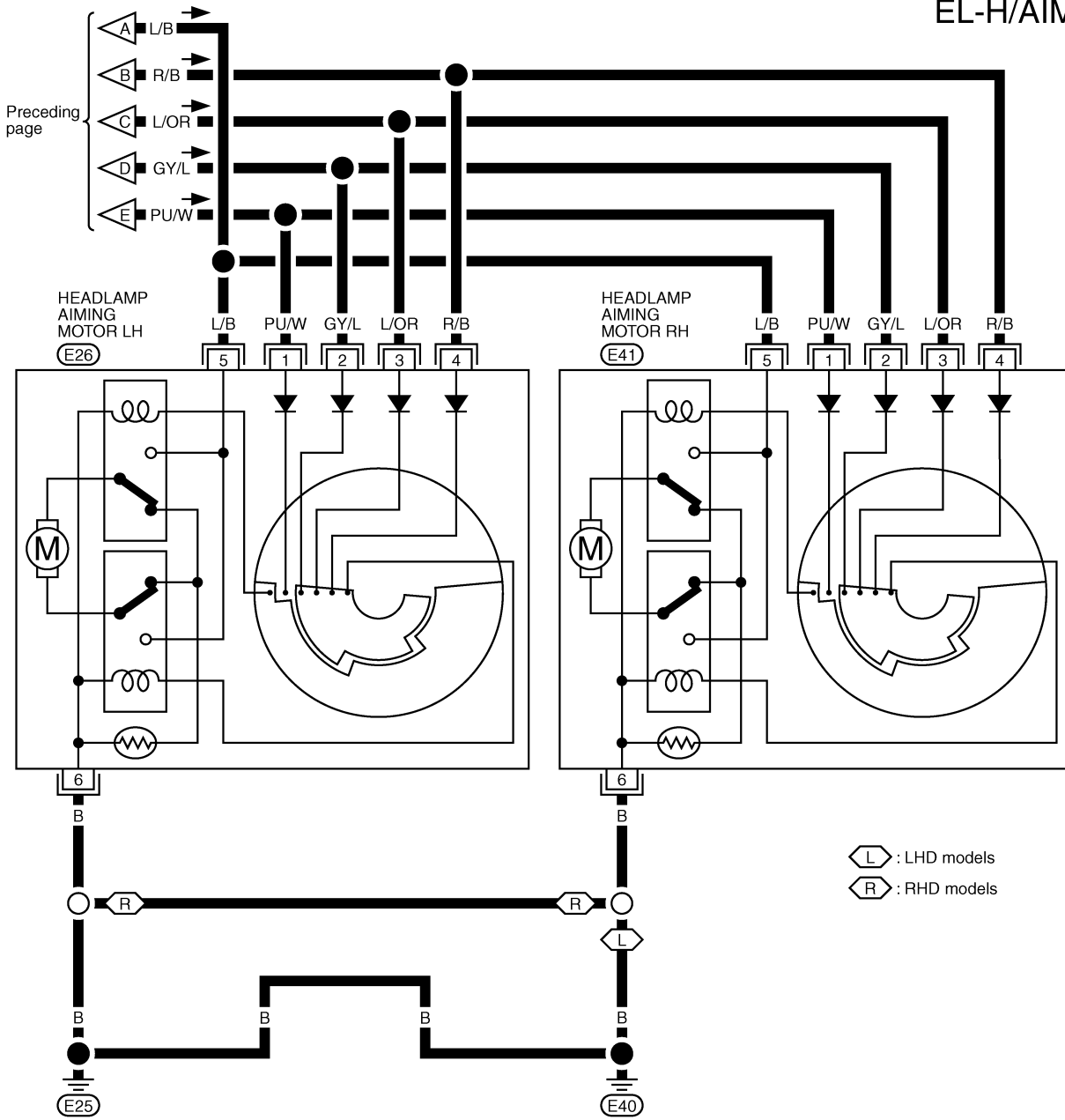
Refer to last page (Foldout page).

- (M21), (E127)
- (M3)

# HEADLAMP/WAGON AND HARDTOP MODELS — Headlamp Aiming Control — Wiring Diagram — H/AIM — (Cont'd)

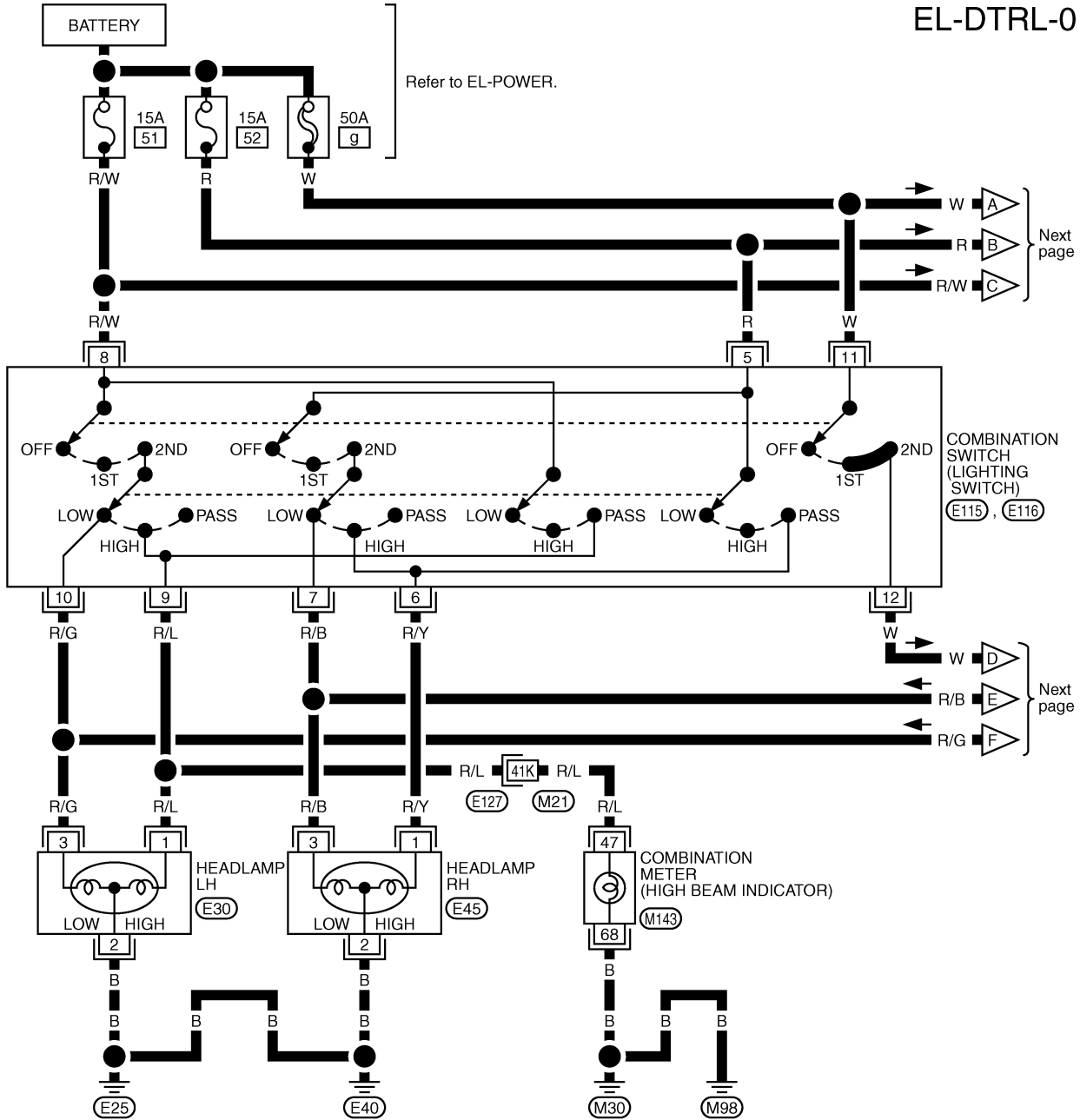
EL-H/AIM-02

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Wiring Diagram — DTRL —

EL-DTRL-01



45 46 47 48 49 50 51 52 53 54 55  
56 57 58 59 60 61 62 63 64 65 66 67 68 (M143) BR

3  
1 2 (E30), (E45)  
B B

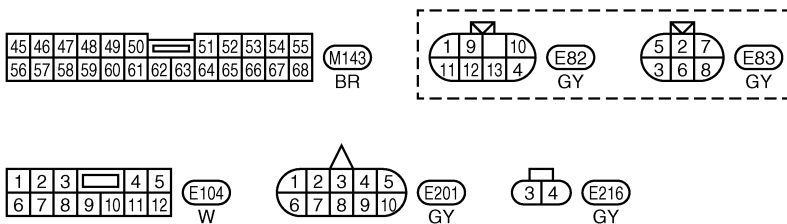
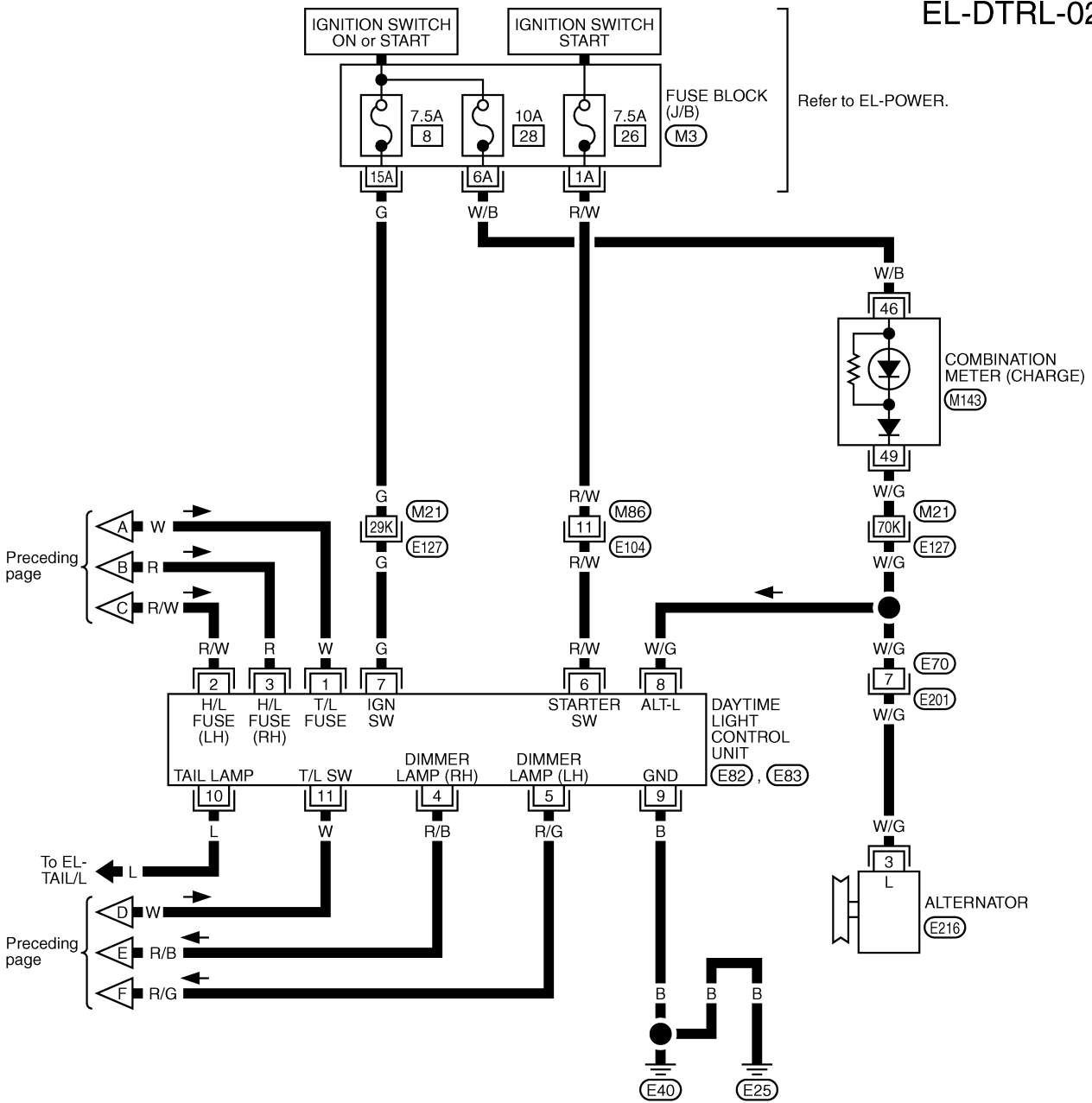
25 8 7 (E115) BR  
3 1 9 6 2

11 5 10 12 (E116) BR

Refer to last page (Foldout page).  
(M21), (E127)

# HEADLAMP/WAGON AND HARDTOP MODELS — Daytime Light System — Wiring Diagram — DTRL — (Cont'd)

EL-DTRL-02



Refer to last page (Foldout page).  
M21, E127  
M3

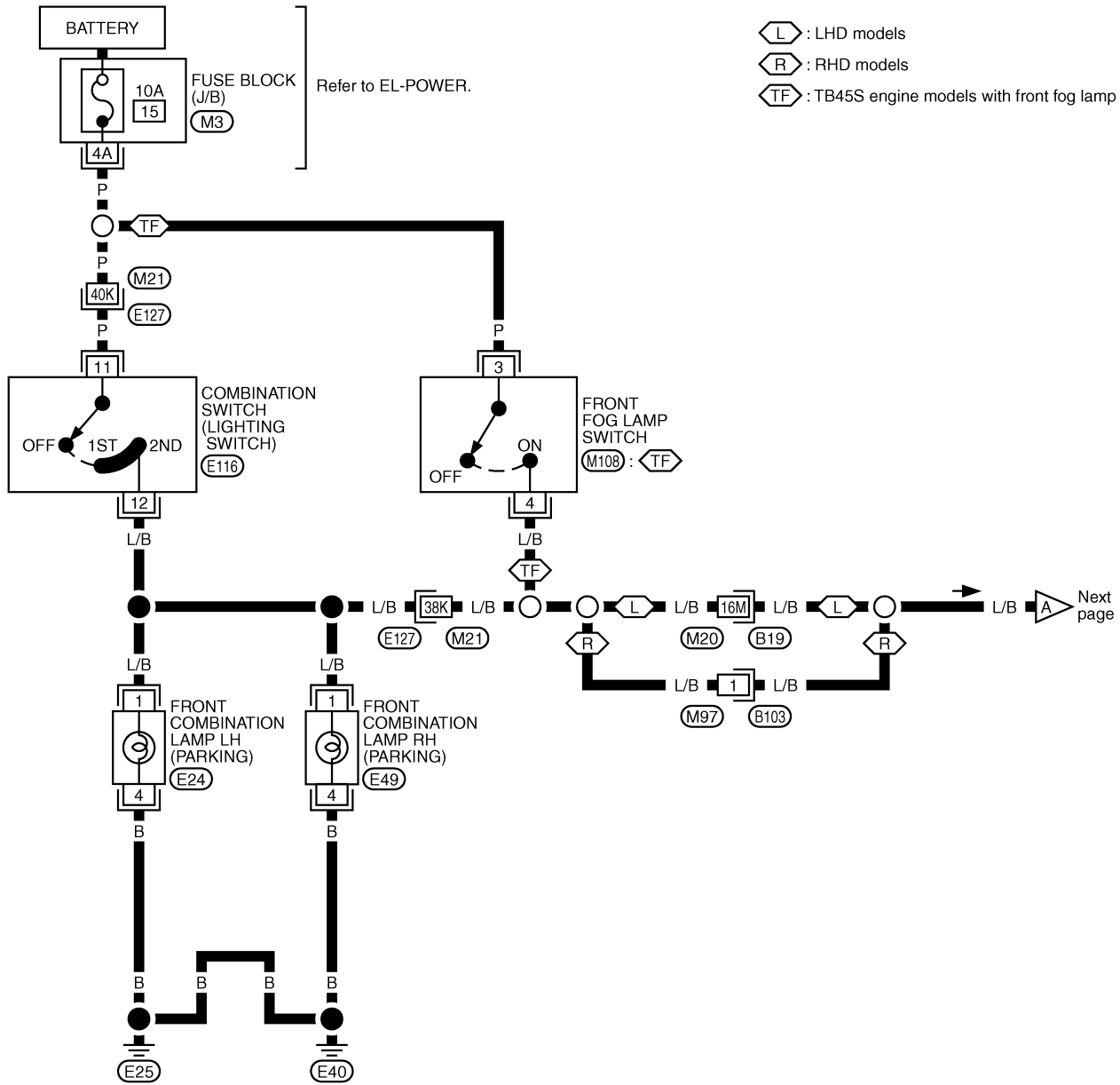
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# PARKING, LICENSE AND TAIL LAMPS/WAGON AND HARDTOP MODELS

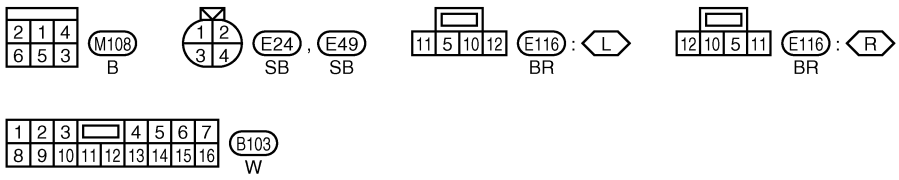
## Wiring Diagram — TAIL/L —/Type A

Rear combination lamps are not located on rear bumper.

EL-TAIL/L-01



- L : LHD models
- R : RHD models
- TF : TB45S engine models with front fog lamp

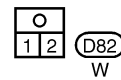
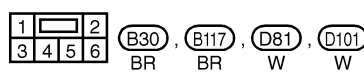
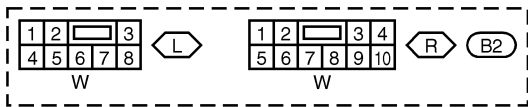
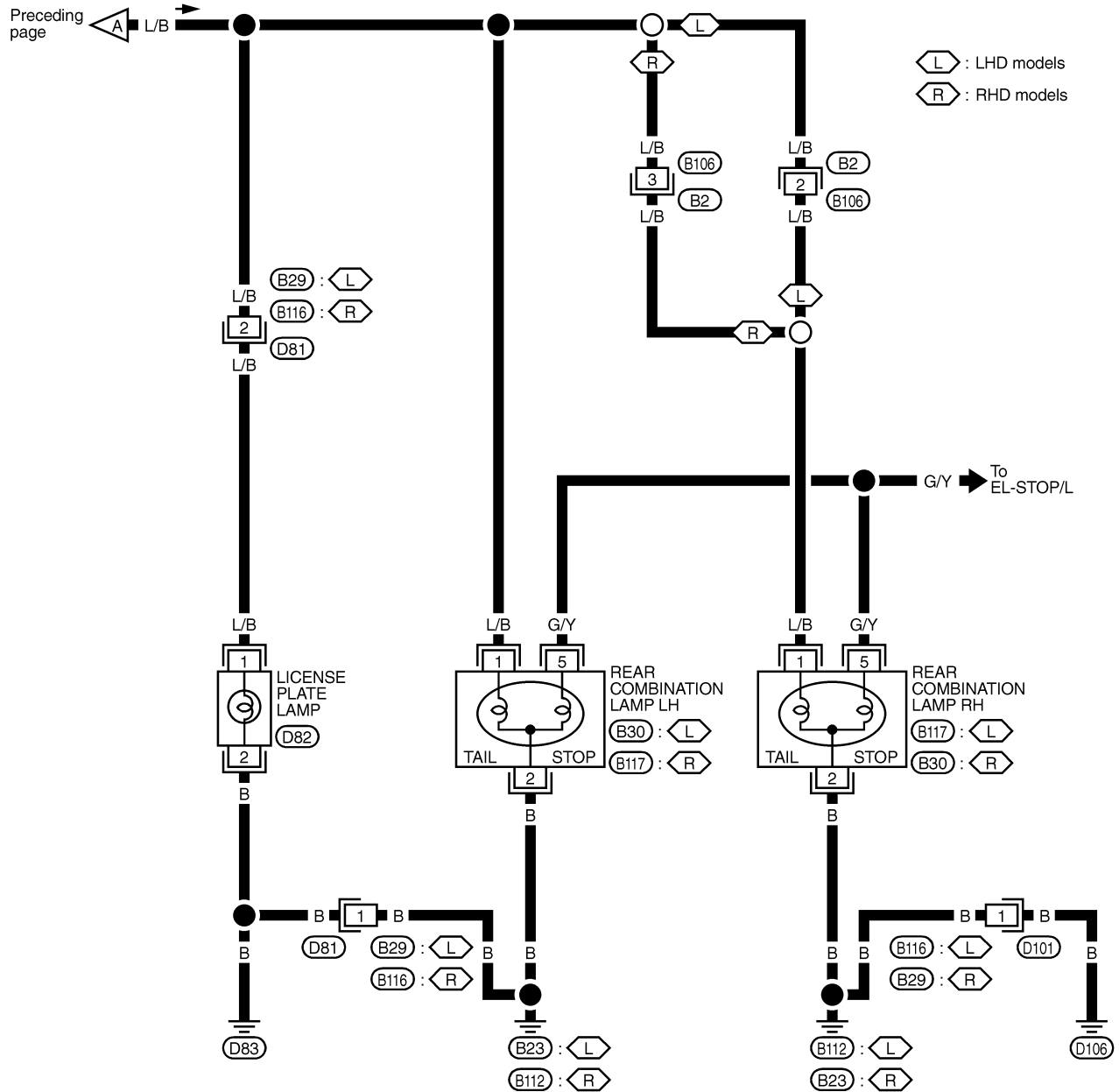


Refer to last page (Foldout page).  
M20, B19  
M21, E127  
M3

# PARKING, LICENSE AND TAIL LAMPS/WAGON AND HARDTOP MODELS

## Wiring Diagram — TAIL/L —/Type A (Cont'd)

EL-TAIL/L-02



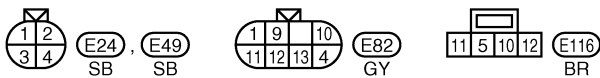
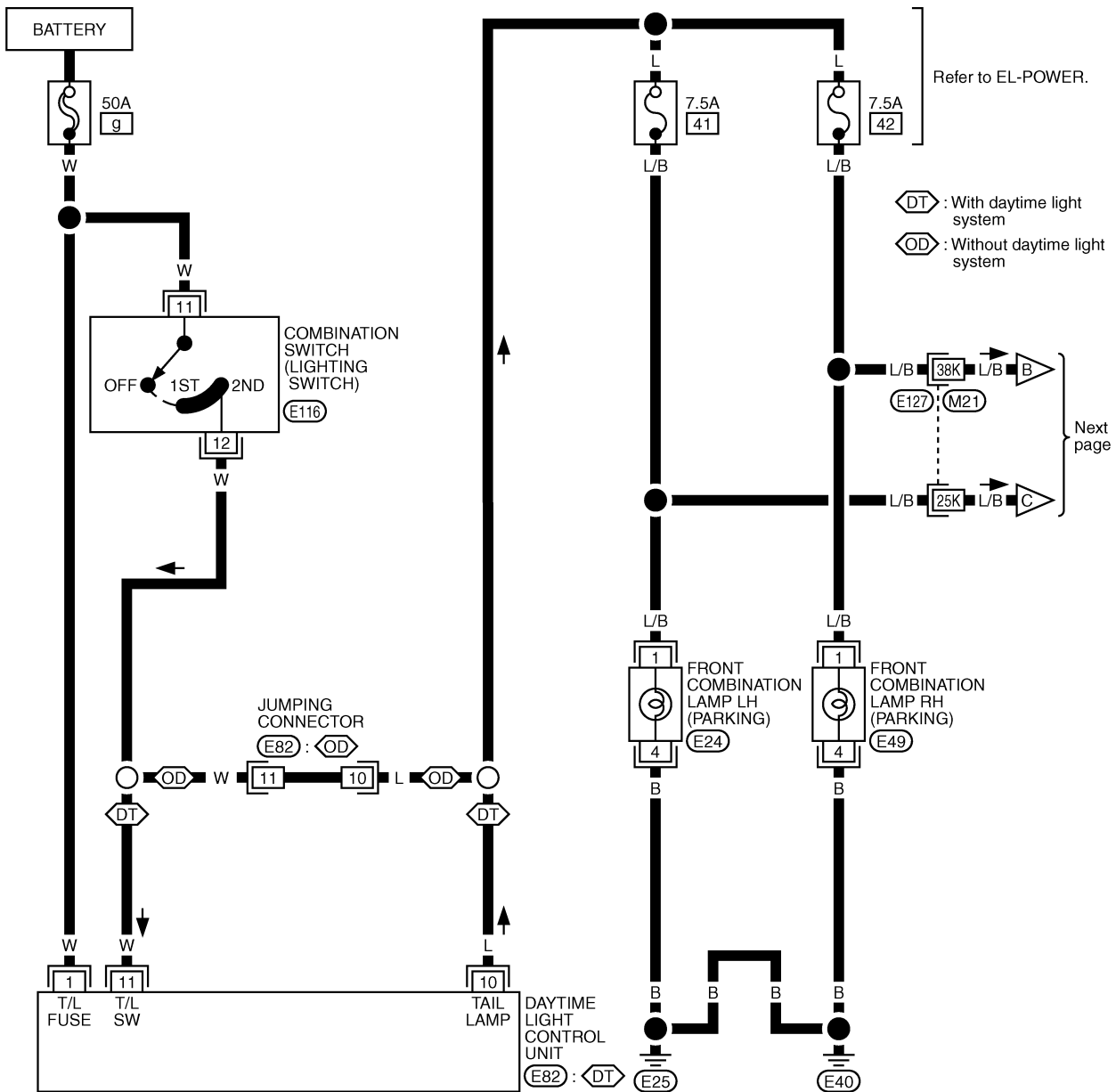
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Wiring Diagram — TAIL/L —/Type B

LHD MODELS FOR EUROPE

Rear combination lamps are located on rear bumper.

EL-TAIL/L-03



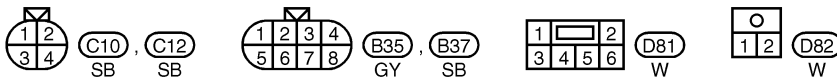
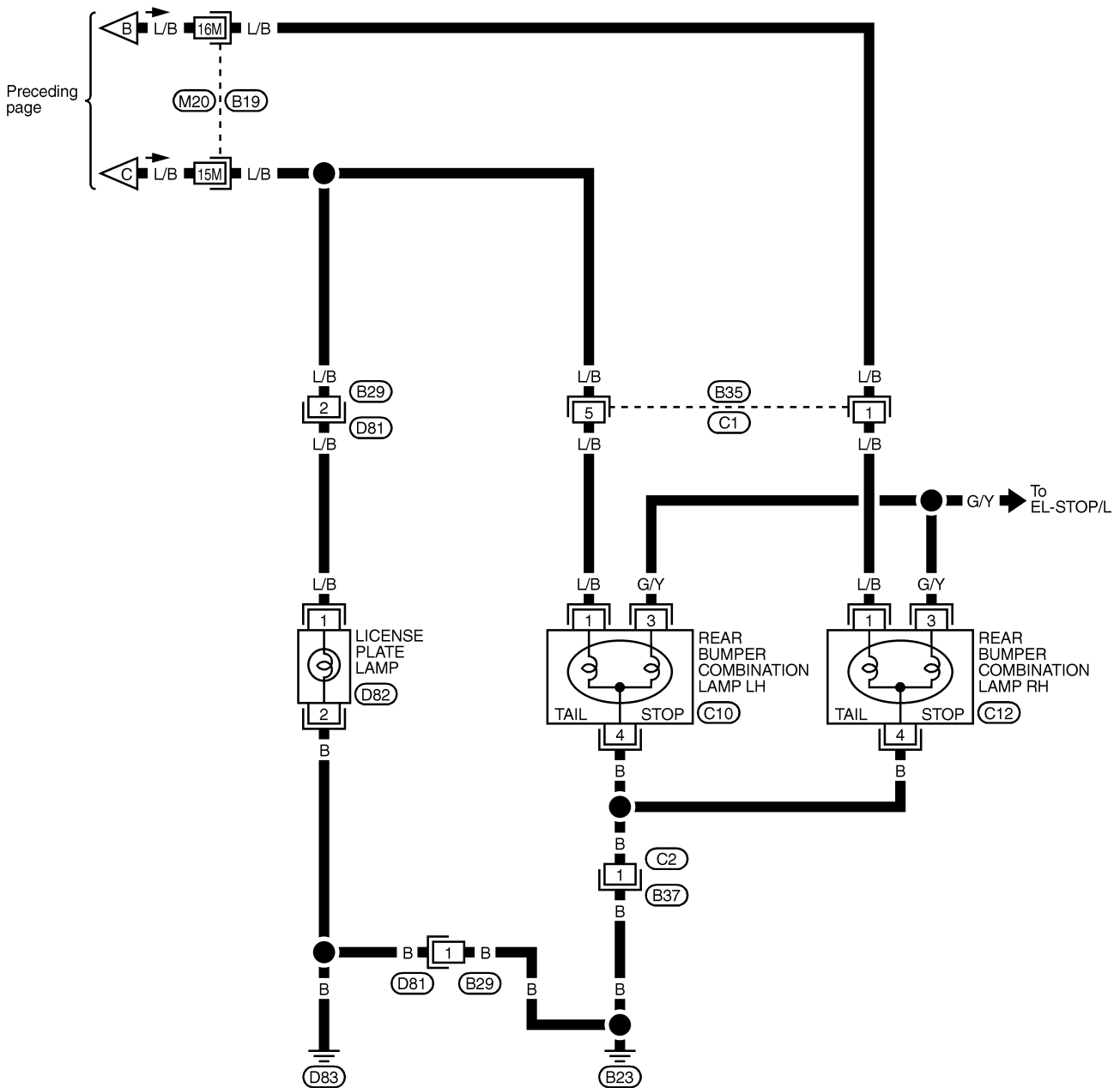
Refer to last page (Foldout page).  
 M21, E127



# PARKING, LICENSE AND TAIL LAMPS/WAGON AND HARDTOP MODELS

## Wiring Diagram — TAIL/L —/Type B (Cont'd)

EL-TAIL/L-04



Refer to last page (Foldout page).  
M20, B19

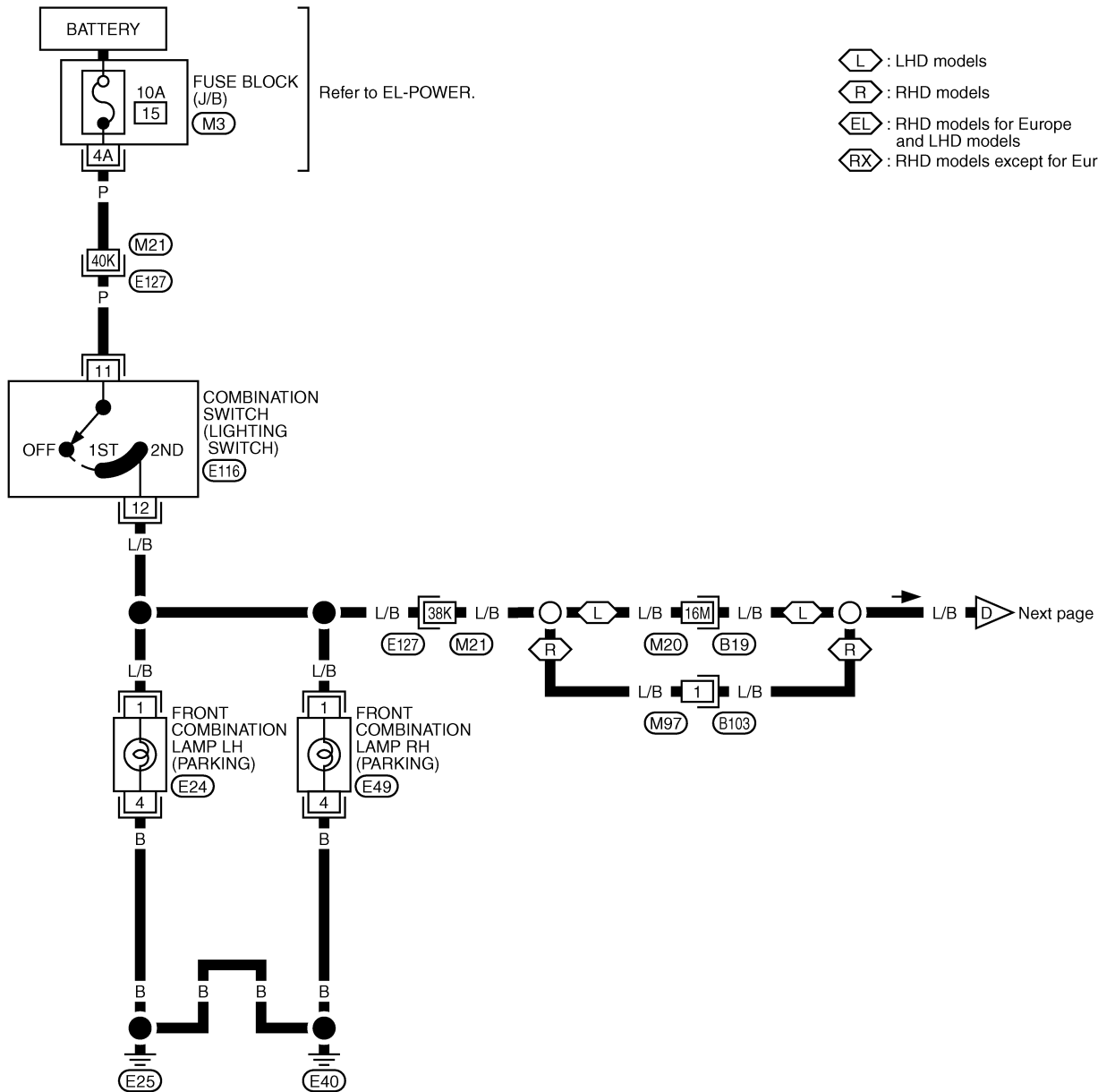
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# PARKING, LICENSE AND TAIL LAMPS/WAGON AND HARDTOP MODELS

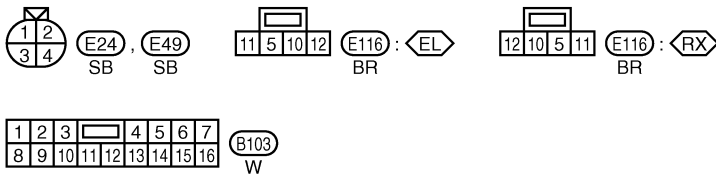
## Wiring Diagram — TAIL/L —/Type C

RHD MODELS FOR EUROPE, CHINA, AUSTRALIA AND SOUTH AFRICA  
Rear combination lamps are located on rear bumper.

EL-TAIL/L-05



- : LHD models
- : RHD models
- : RHD models for Europe and LHD models
- : RHD models except for Europe



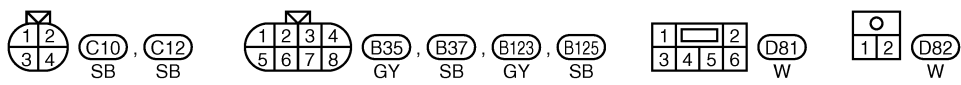
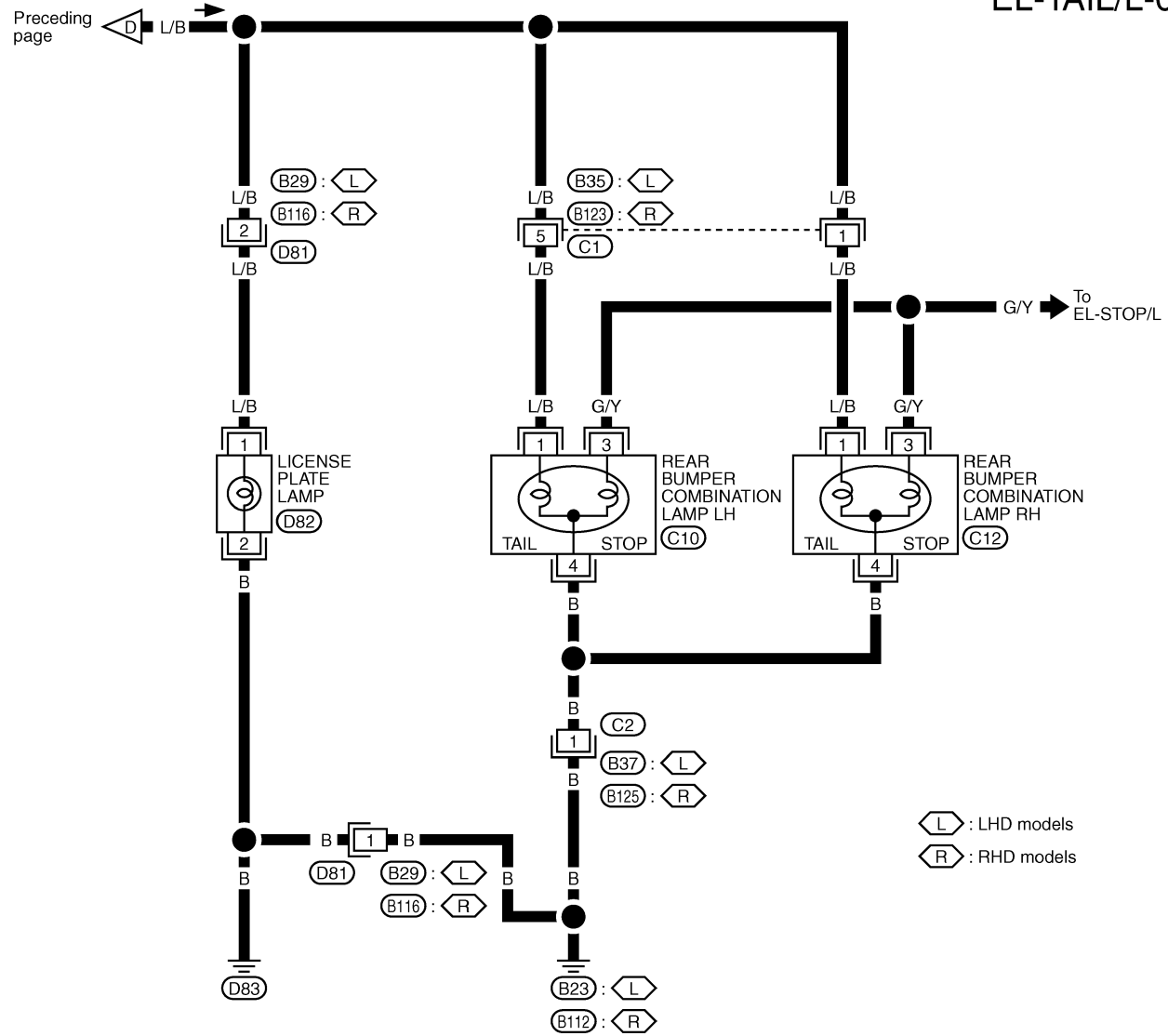
Refer to last page (Foldout page).

- M20, B19
- M21, E127
- M3

# PARKING, LICENSE AND TAIL LAMPS/WAGON AND HARDTOP MODELS

## Wiring Diagram — TAIL/L —/Type C (Cont'd)

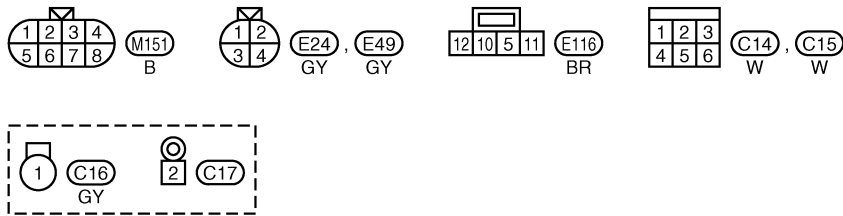
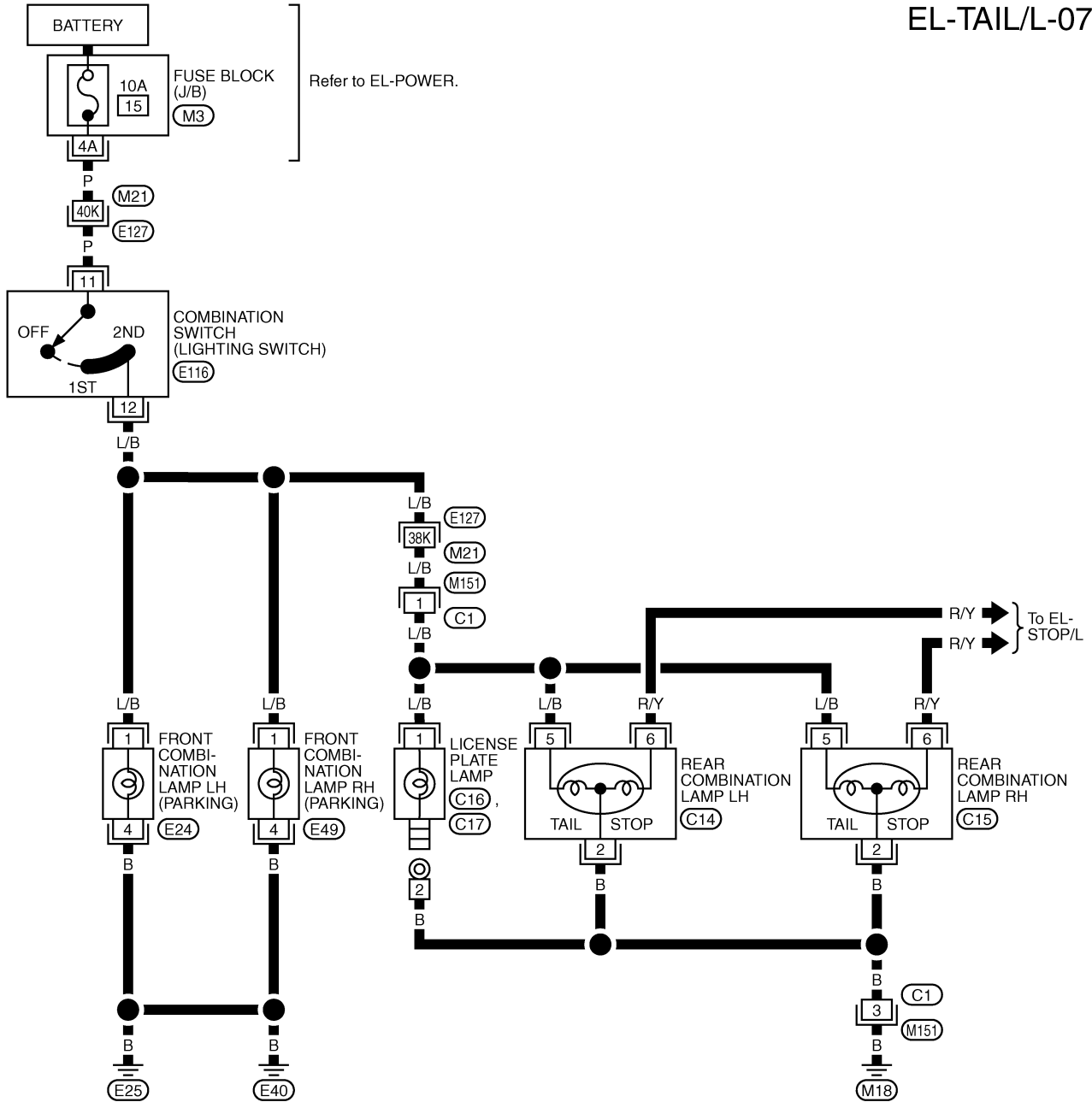
EL-TAIL/L-06



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Wiring Diagram — TAIL/L —

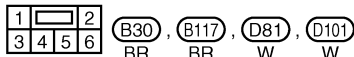
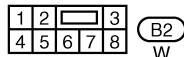
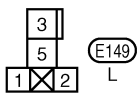
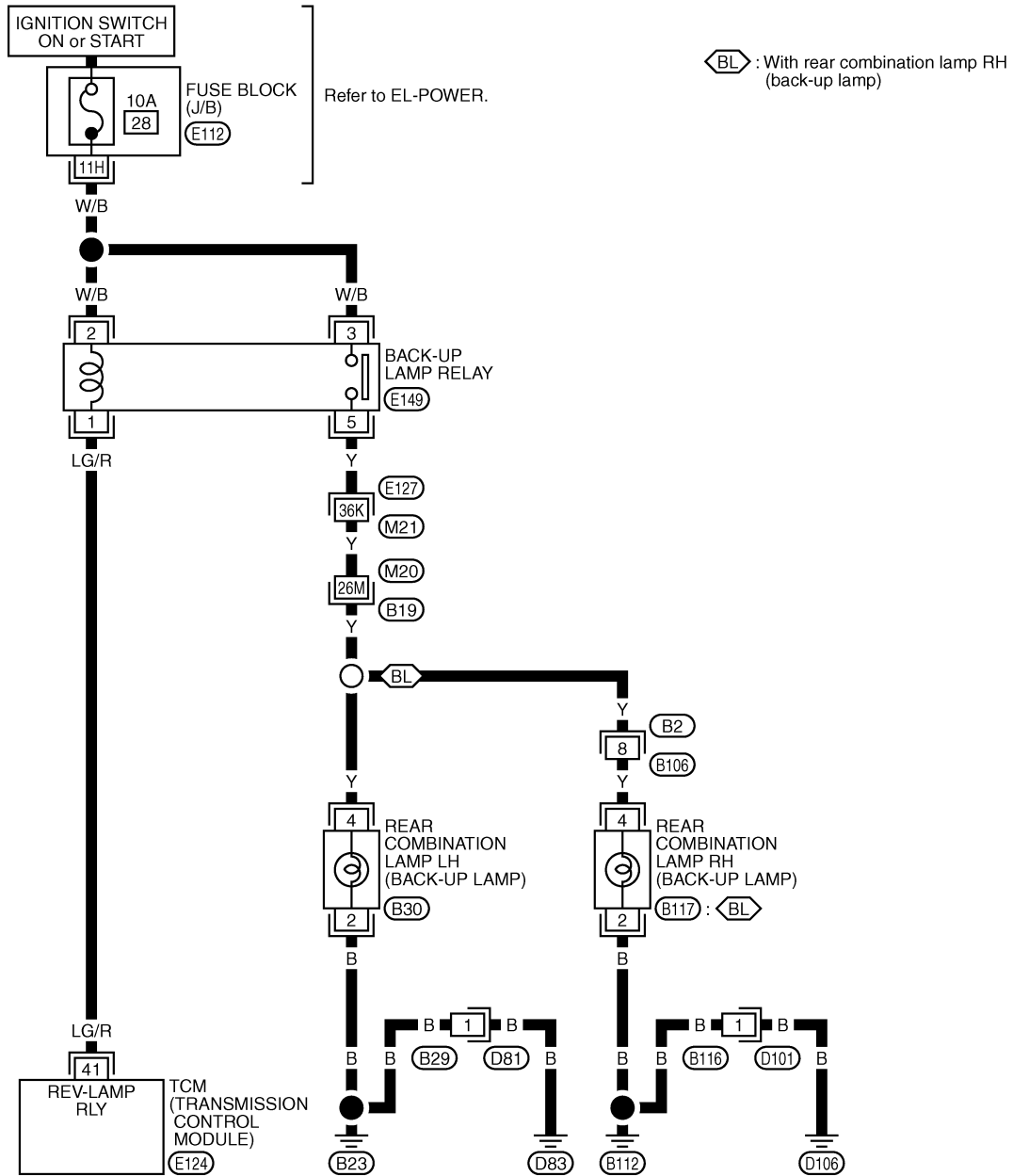
EL-TAIL/L-07



Refer to last page (Foldout page).  
 M21, E127  
 M3

Wiring Diagram — BACK/L —/LHD Models for TB48 Engine with A/T

EL-BACK/L-01



Refer to last page (Foldout page).

M21, E127

M20, B19

E112

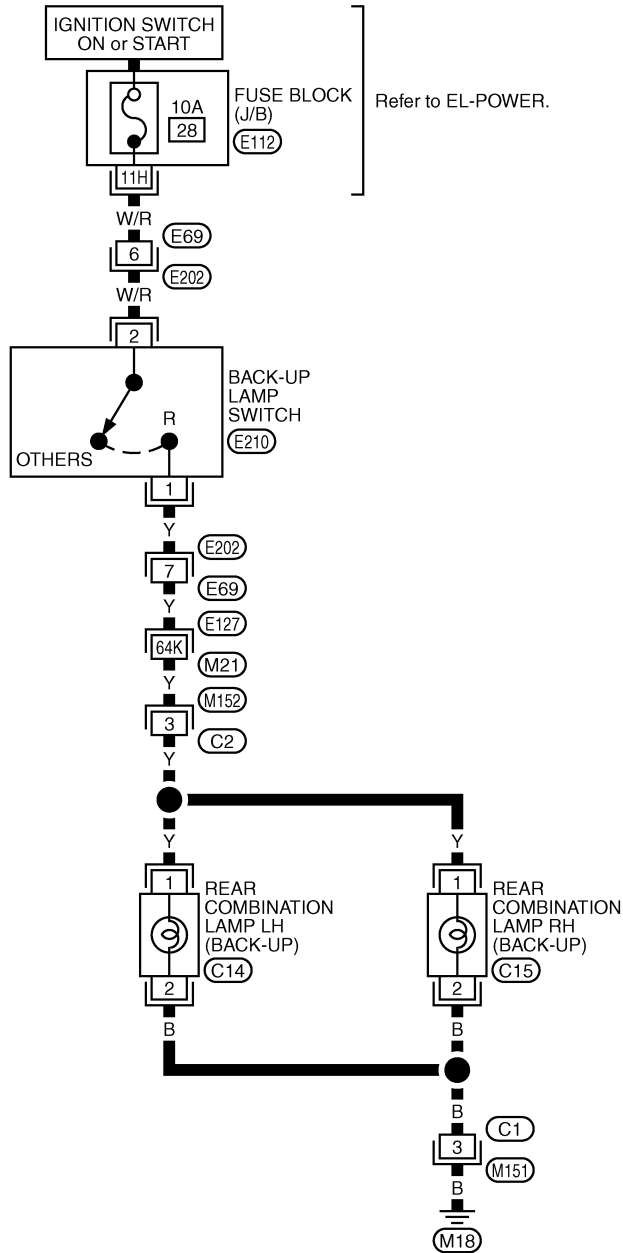
E124

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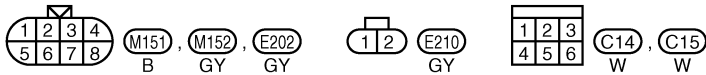
# BACK-UP LAMP/PICKUP MODELS

## Wiring Diagram — BACK/L —

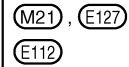
EL-BACK/L-02



Refer to EL-POWER.



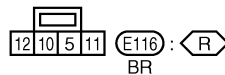
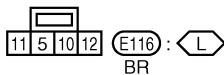
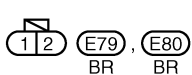
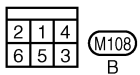
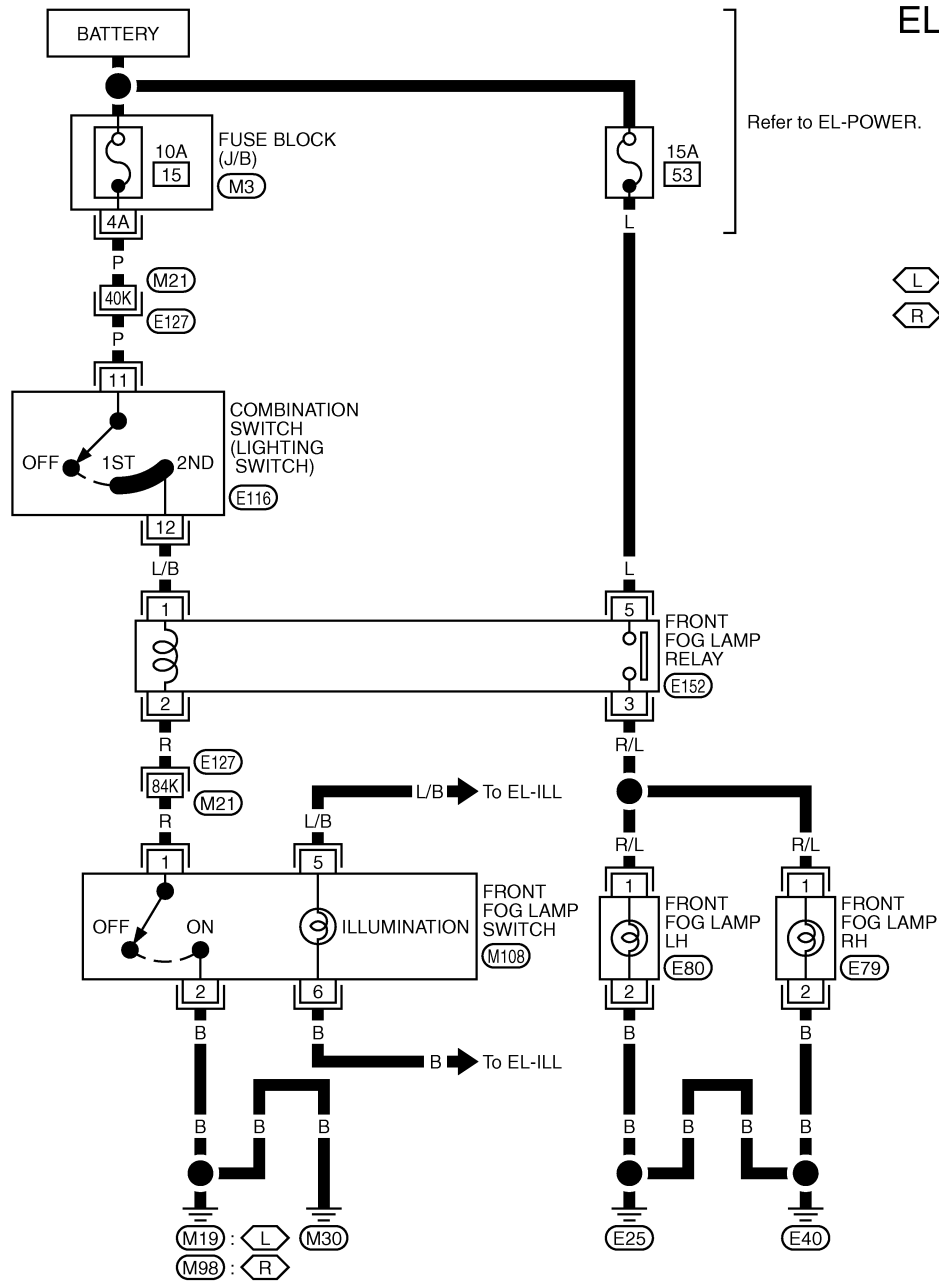
Refer to last page (Foldout page).



# FRONT FOG LAMP/WAGON AND HARDTOP MODELS

## Wiring Diagram — F/FOG —/Except for Europe, China and TB45S Engine

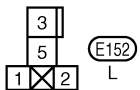
EL-F/FOG-01



Refer to last page (Foldout page).

M21, E127

M3

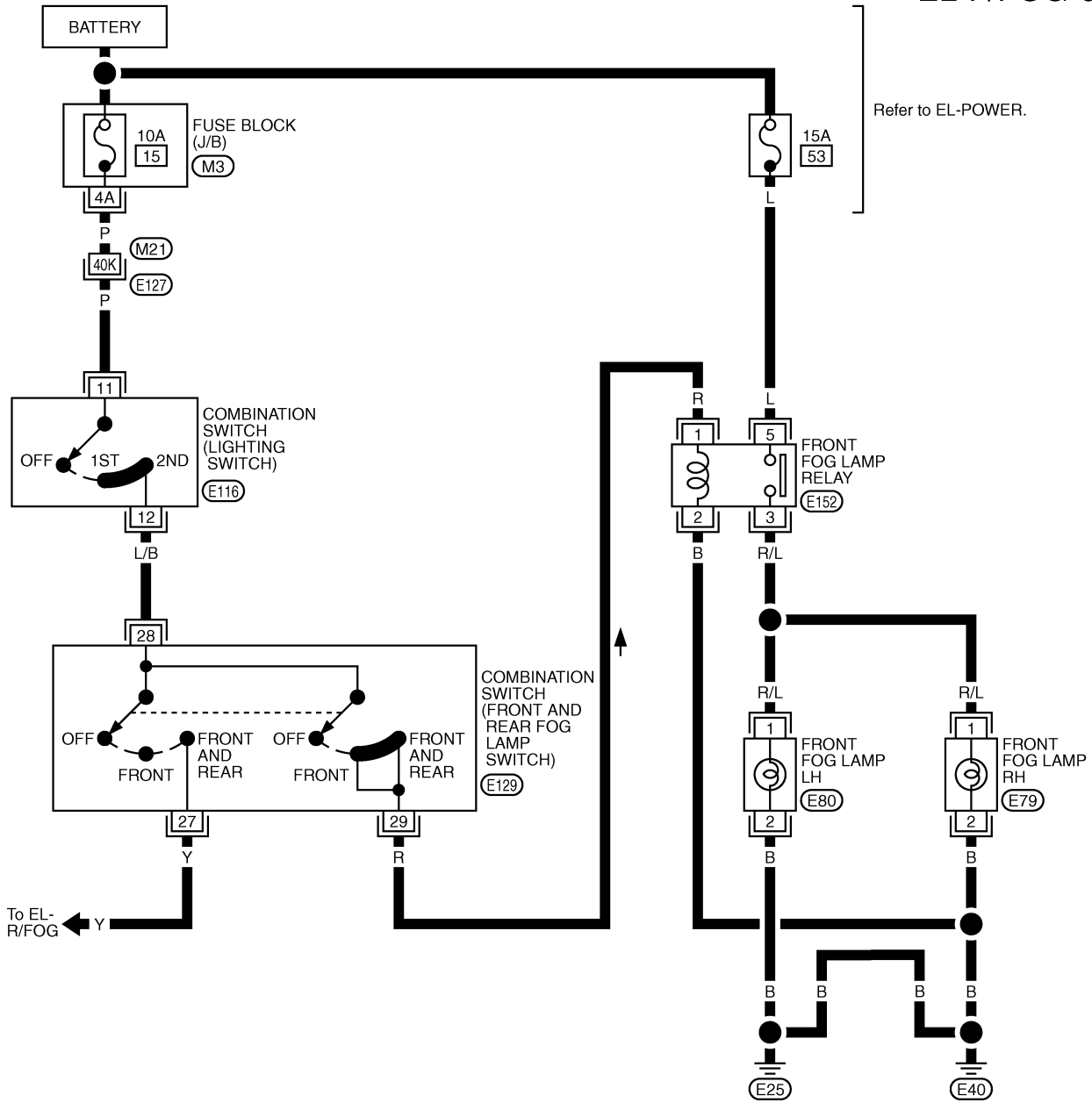


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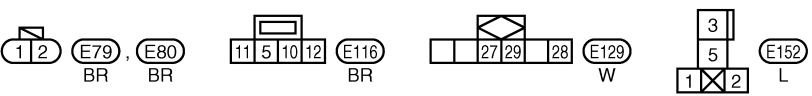
# FRONT FOG LAMP/WAGON AND HARDTOP MODELS

## Wiring Diagram — F/FOG —/RHD Models for Europe and China

EL-F/FOG-02



Refer to EL-POWER.



Refer to last page (Foldout page).  
 M21, E127  
 M3



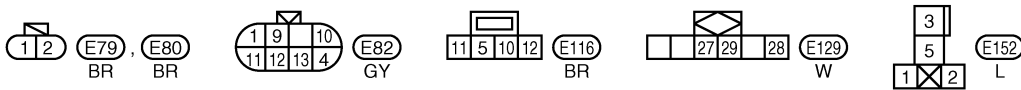
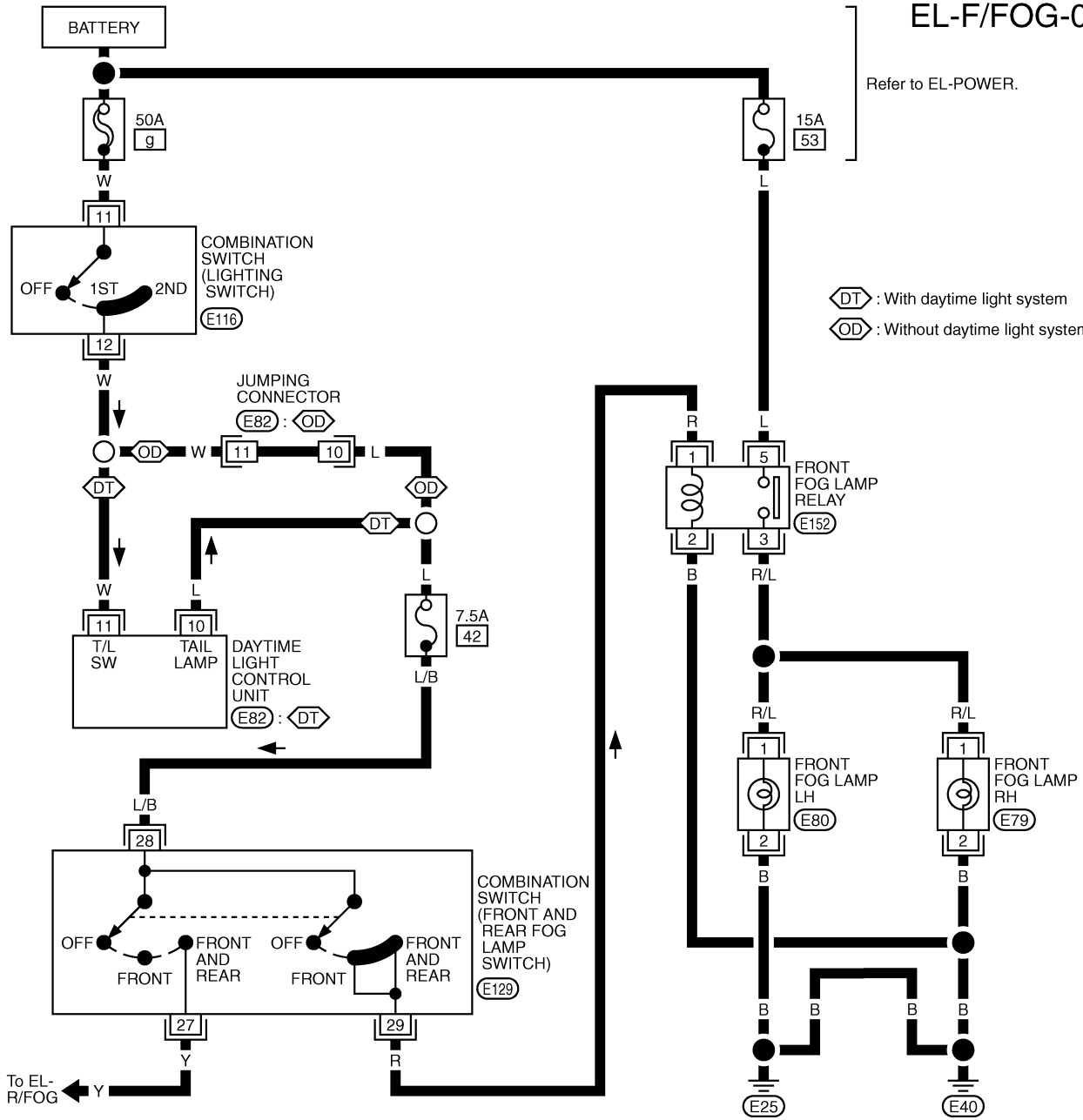
# FRONT FOG LAMP/WAGON AND HARDTOP MODELS

## Wiring Diagram — F/FOG —/LHD Models for Europe

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EL-F/FOG-03

Refer to EL-POWER.

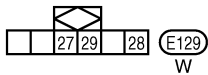
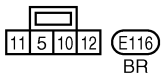
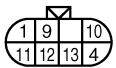
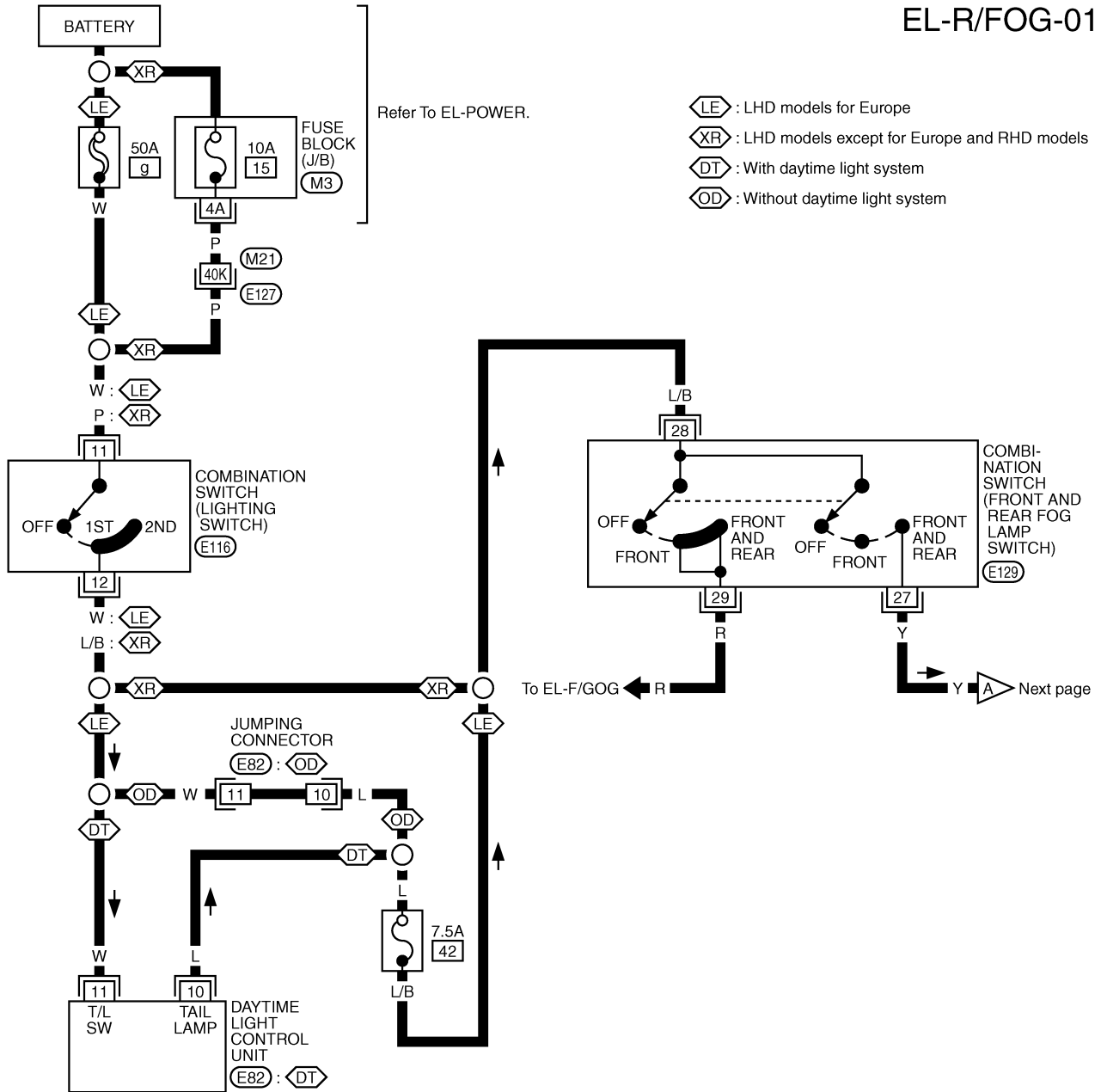


# REAR FOG LAMP/WAGON AND HARDTOP MODELS

## Wiring Diagram — R/FOG —/For Europe and China

WITH FRONT FOG LAMP

EL-R/FOG-01



Refer to last page (Foldout page).

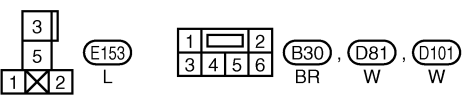
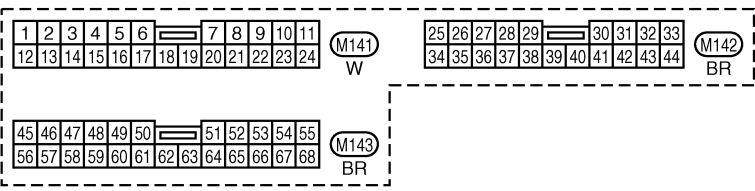
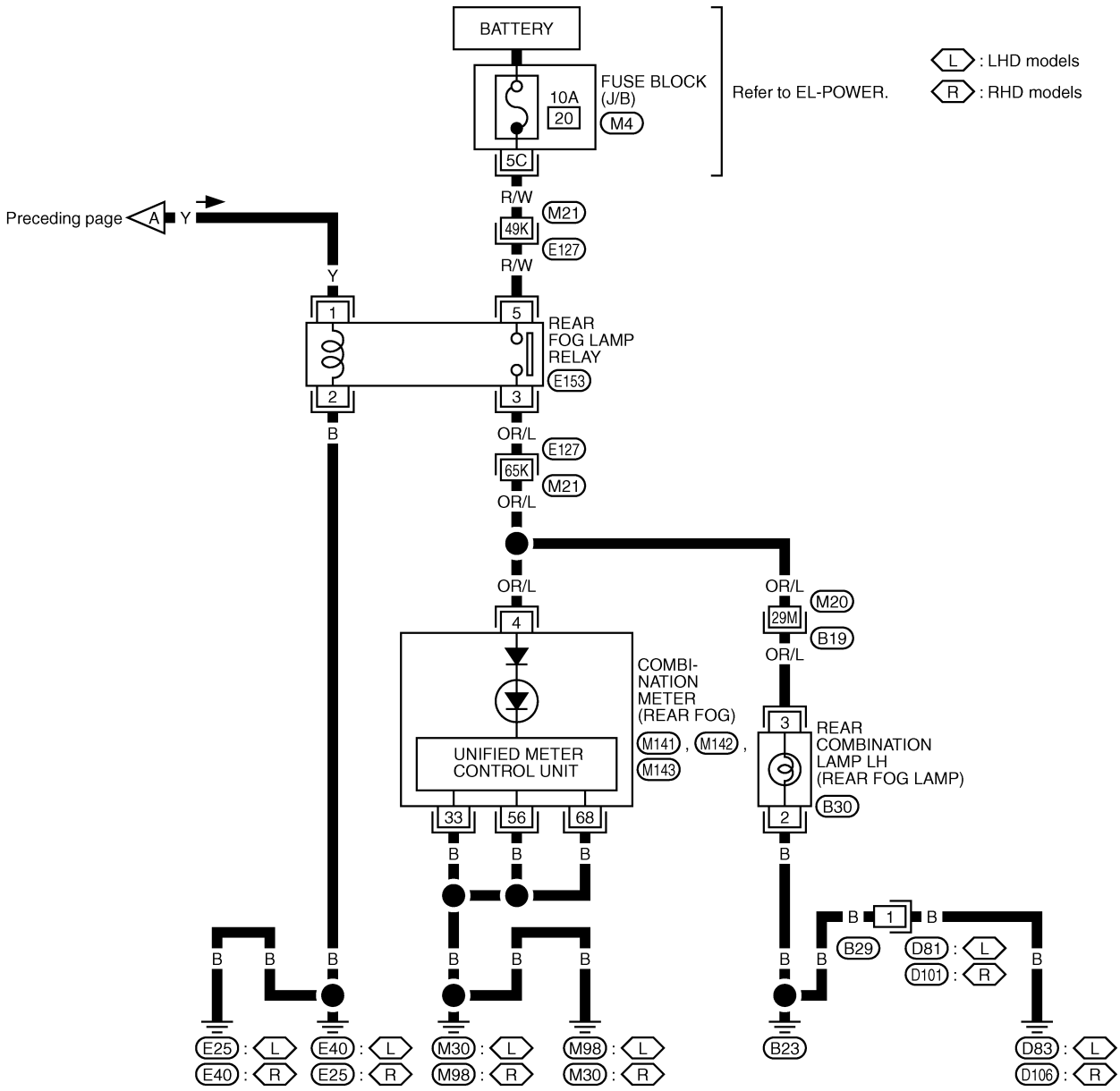
(M21), (E127)

(M3)

# REAR FOG LAMP/WAGON AND HARDTOP MODELS

## Wiring Diagram — R/FOG —/For Europe and China (Cont'd)

EL-R/FOG-02



Refer to last page (Foldout page).

M20, B19  
 M21, E127  
 M4

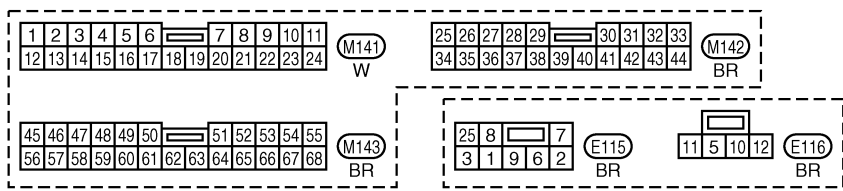
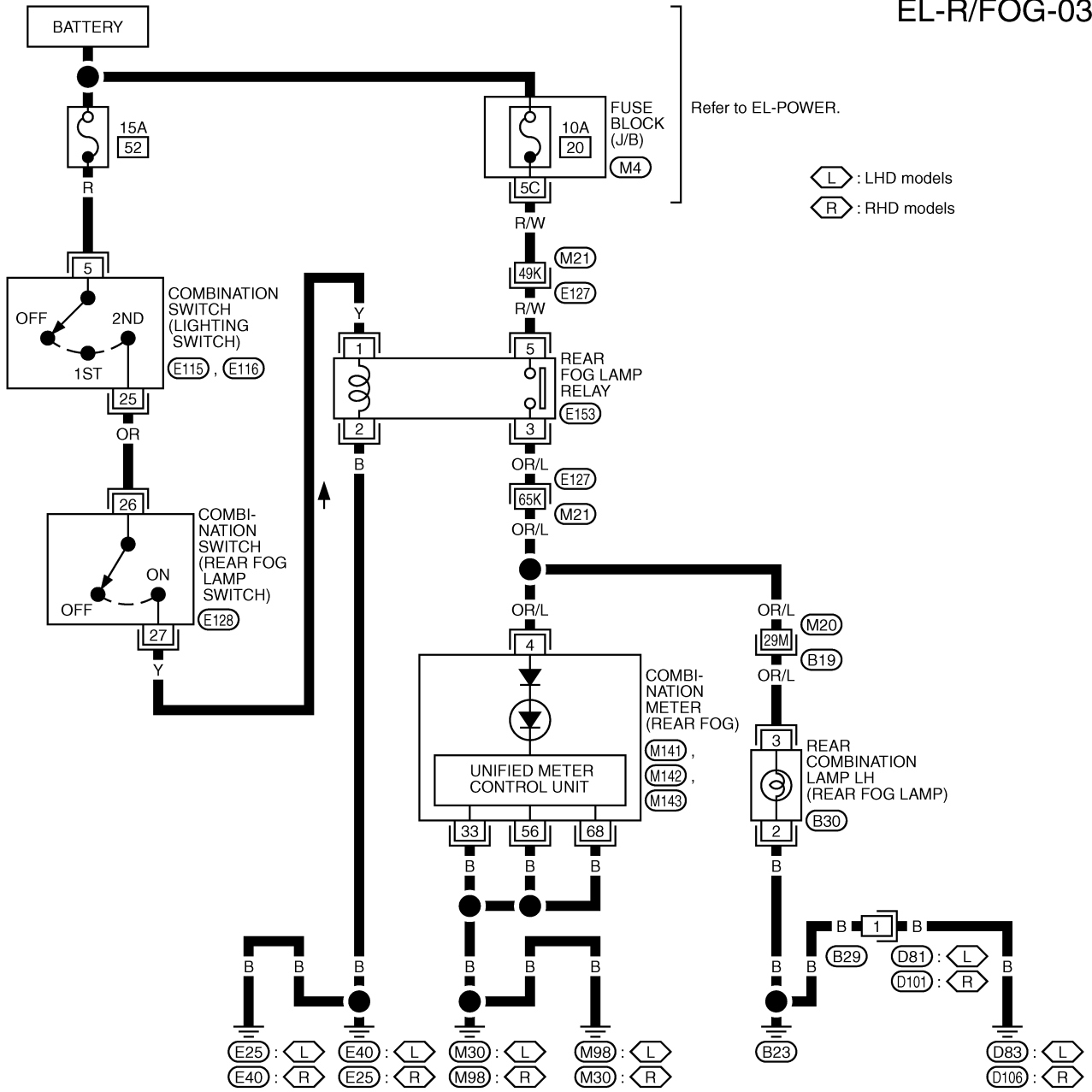
GI  
MA  
EM  
LC  
EC  
FE  
CL  
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PD  
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RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

# REAR FOG LAMP/WAGON AND HARDTOP MODELS

## Wiring Diagram — R/FOG —/For Europe and China (Cont'd)

WITHOUT FRONT FOG LAMP

EL-R/FOG-03



Refer to last page (Foldout page).

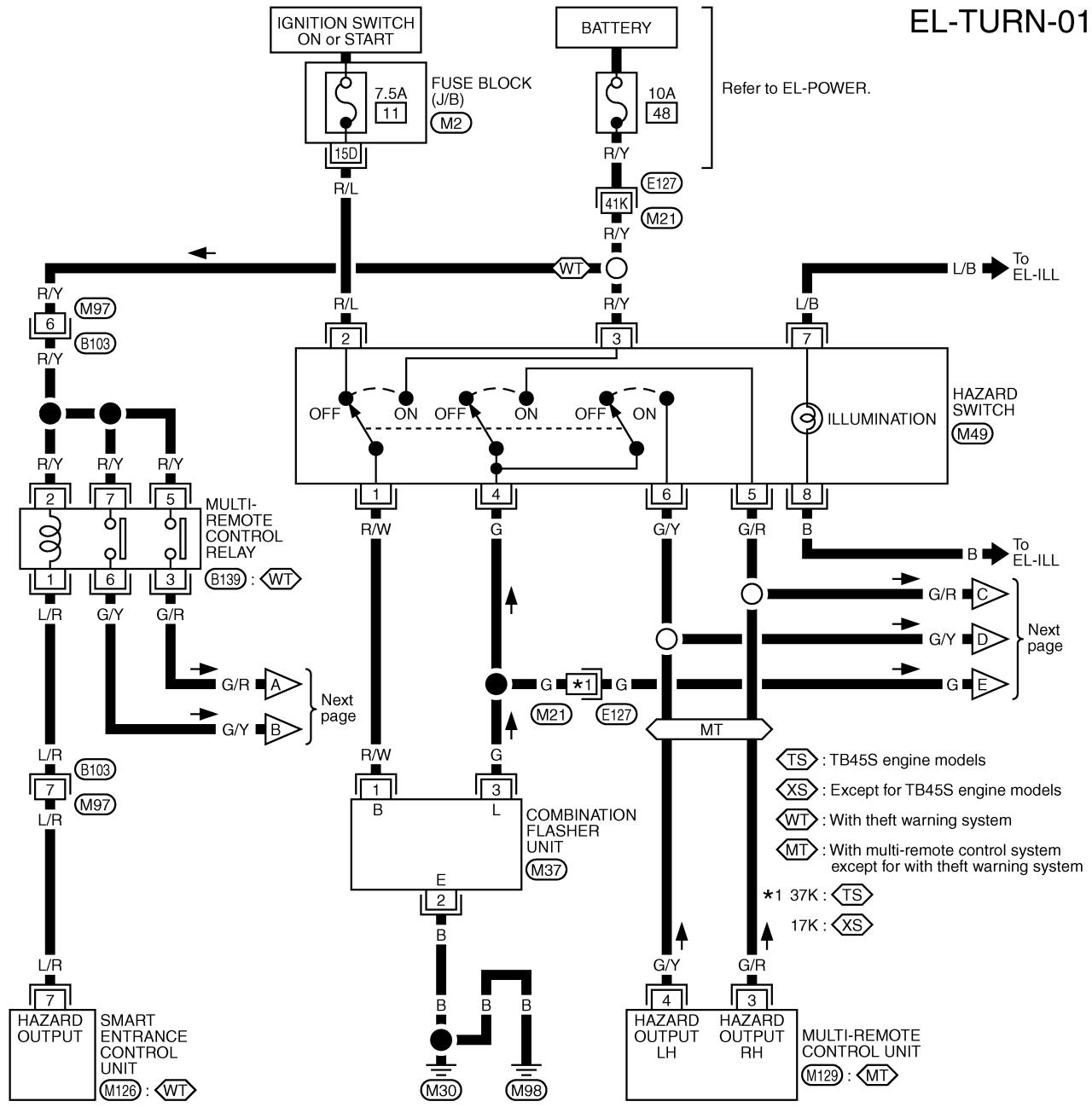
- M20, B19
- M21, E127
- M4

# TURN SIGNAL AND HAZARD WARNING LAMPS/WAGON AND HARDTOP MODELS

## Wiring Diagram — TURN —/Type A

RHD MODELS EXCEPT FOR EUROPE, AUSTRALIA AND SOUTH AFRICA  
Rear combination lamps are not located on rear bumper.

EL-TURN-01

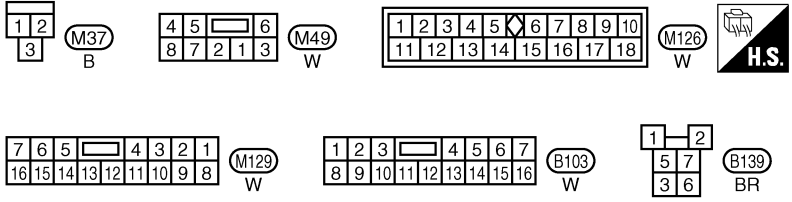


Refer to EL-POWER.

Next page

Next page

- ⊗ TS : TB45S engine models
- ⊗ XS : Except for TB45S engine models
- ⊗ WT : With theft warning system
- ⊗ MT : With multi-remote control system except for with theft warning system
- \*1 37K : ⊗ TS
- 17K : ⊗ XS



Refer to last page (Foldout page).

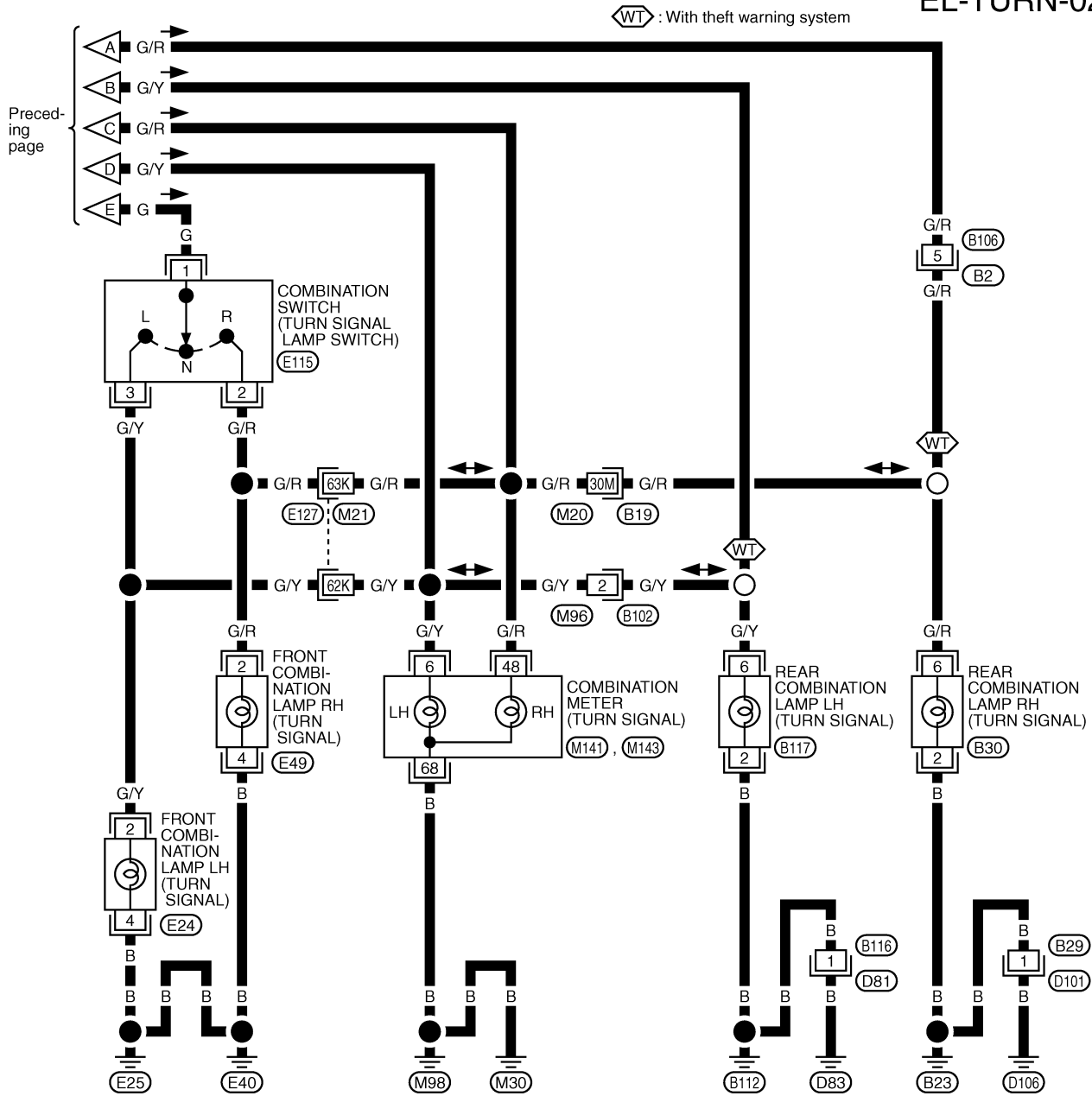
- ⊗ M21 , ⊗ E127
- ⊗ M2

GI  
MA  
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EC  
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TF  
PD  
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RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

# TURN SIGNAL AND HAZARD WARNING LAMPS/WAGON AND HARDTOP MODELS

## Wiring Diagram — TURN —/Type A (Cont'd)

EL-TURN-02



1	2	3	4	5	6	7	8	9	10	11	45	46	47	48	49	50	51	52	53	54	55				
12	13	14	15	16	17	18	19	20	21	22	23	24	56	57	58	59	60	61	62	63	64	65	66	67	68

(M141) W (M143) BR

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

(E24), (E49) SB (E115) BR (B2) W (B30), (B117), (D81), (D101) BR BR W W (B102) W

Refer to last page (Foldout page).  
 (M20), (B19)  
 (M21), (E127)

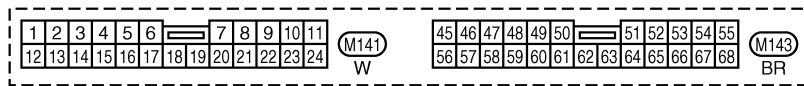
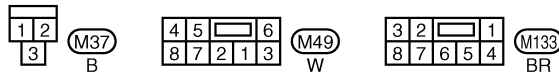
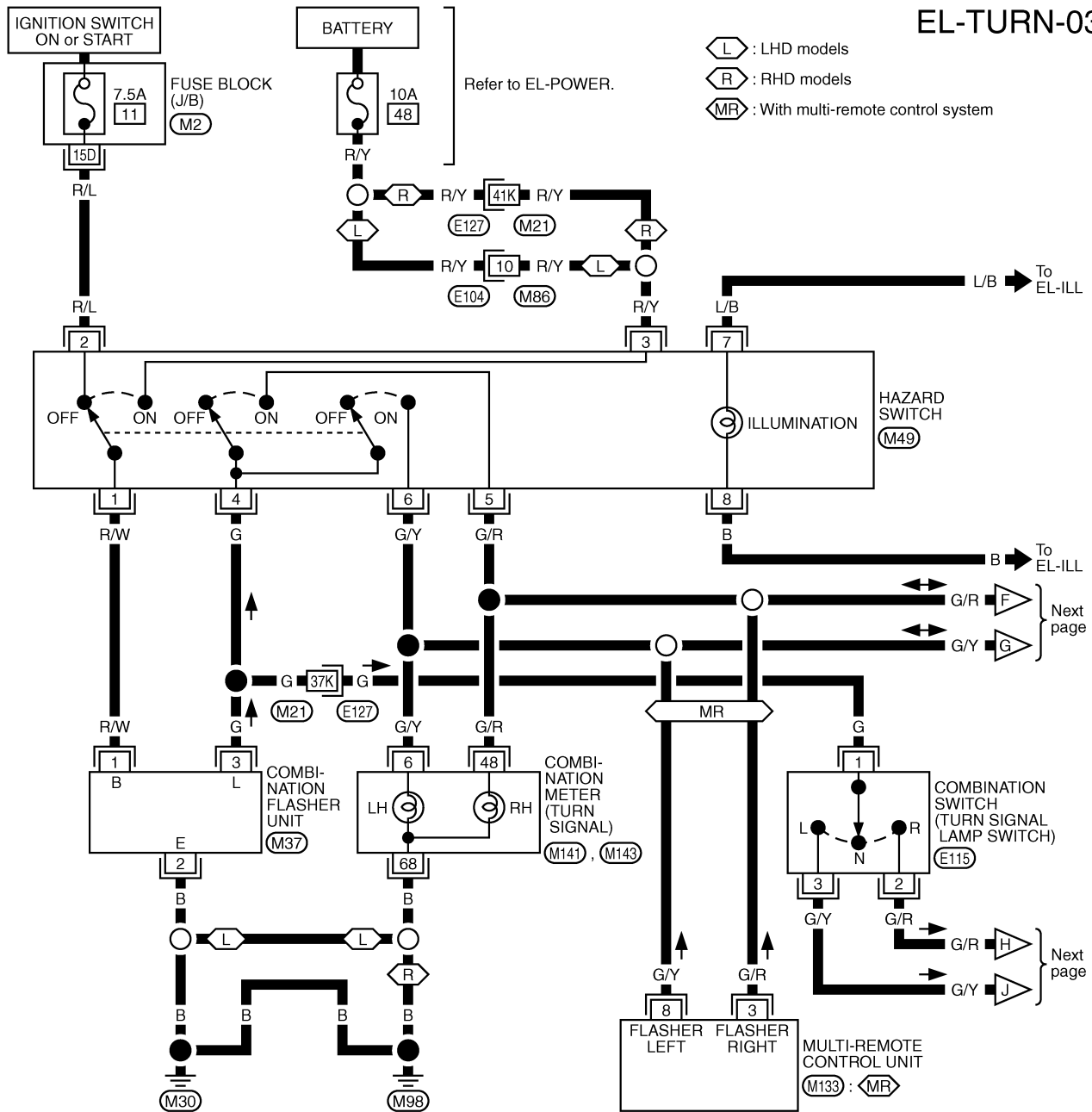
# TURN SIGNAL AND HAZARD WARNING LAMPS/WAGON AND HARDTOP MODELS

## Wiring Diagram — TURN —/Type C

### FOR EUROPE

Rear combination lamps are located on rear bumper.

EL-TURN-03



Refer to last page (Foldout page).

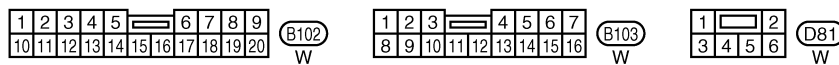
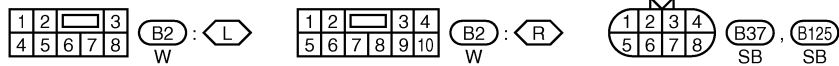
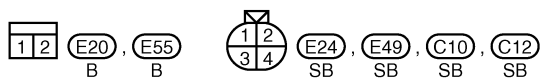
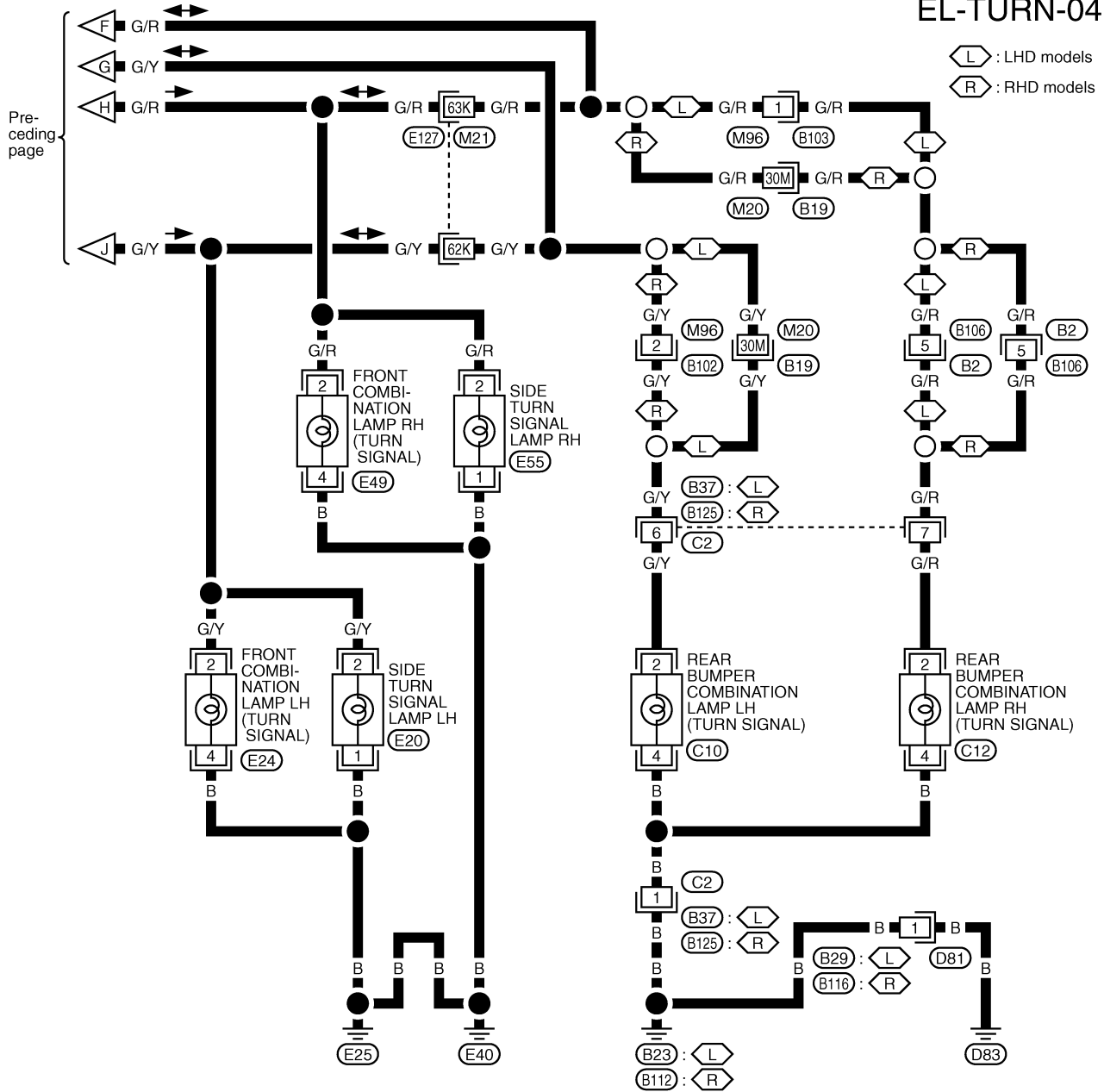
M21, E127  
M2

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

# TURN SIGNAL AND HAZARD WARNING LAMPS/WAGON AND HARDTOP MODELS

## Wiring Diagram — TURN —/Type C (Cont'd)

EL-TURN-04



Refer to last page (Foldout page).

M20, B19  
 M21, E127



# TURN SIGNAL AND HAZARD WARNING LAMPS/WAGON AND HARDTOP MODELS

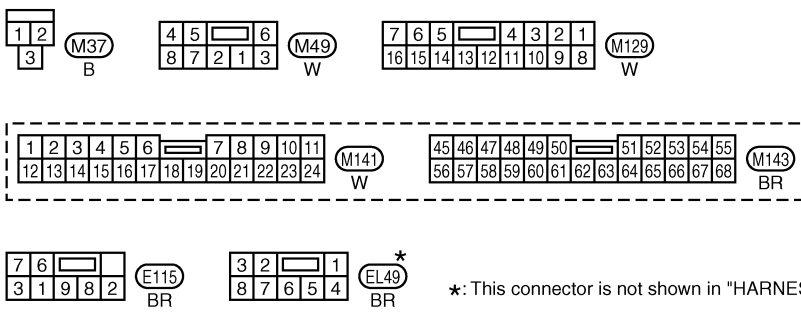
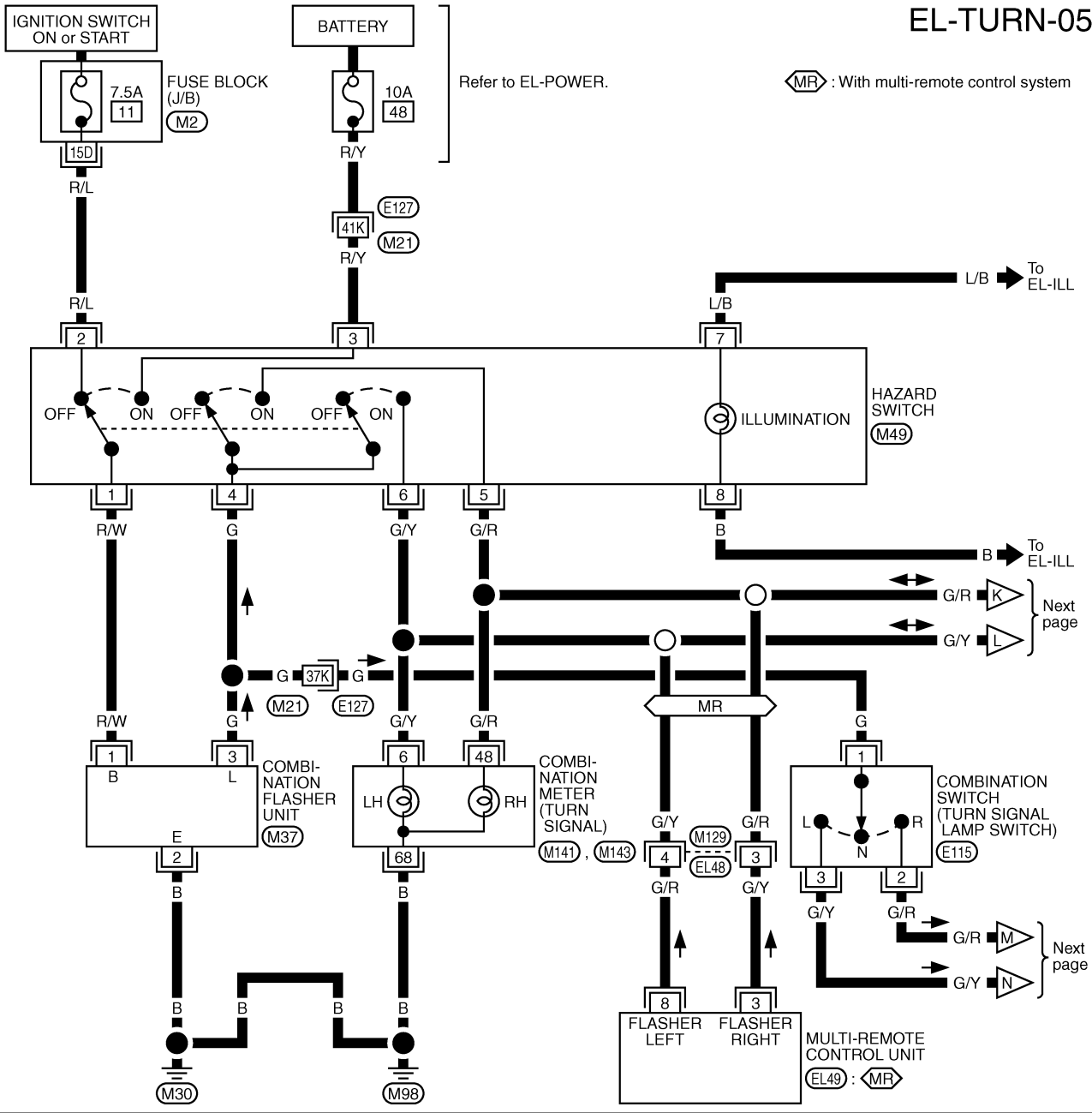
## Wiring Diagram — TURN —/Type C (Cont'd)

### FOR SOUTH AFRICA

Rear combination lamps are located on rear bumper.

EL-TURN-05

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX



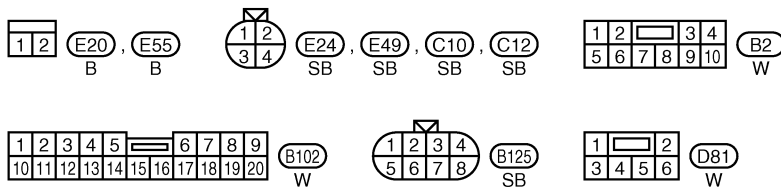
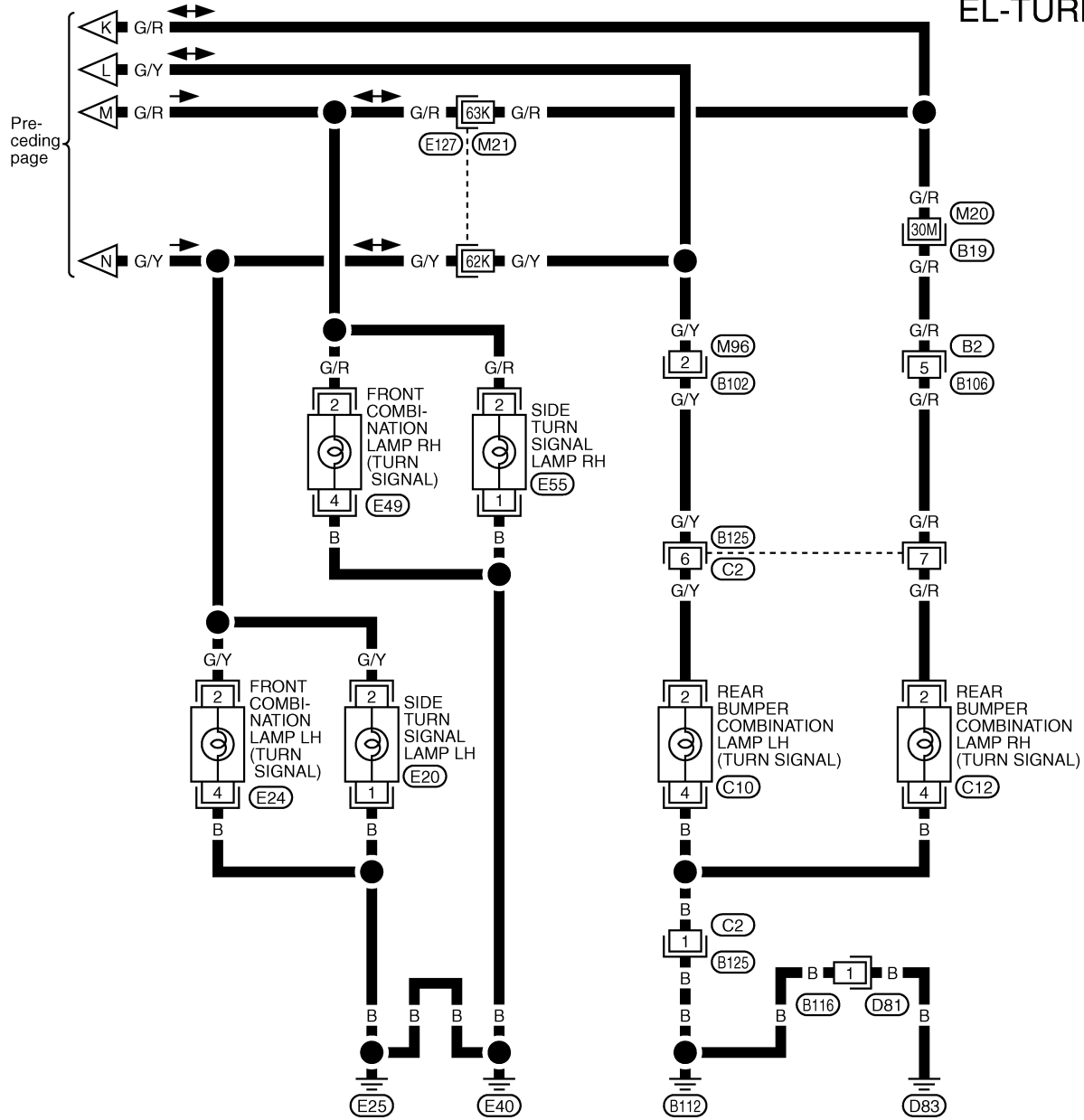
Refer to last page (Foldout page).  
M21, E127  
M2

\*: This connector is not shown in "HARNES LAYOUT", EL section.

# TURN SIGNAL AND HAZARD WARNING LAMPS/WAGON AND HARDTOP MODELS

## Wiring Diagram — TURN —/Type C (Cont'd)

EL-TURN-06



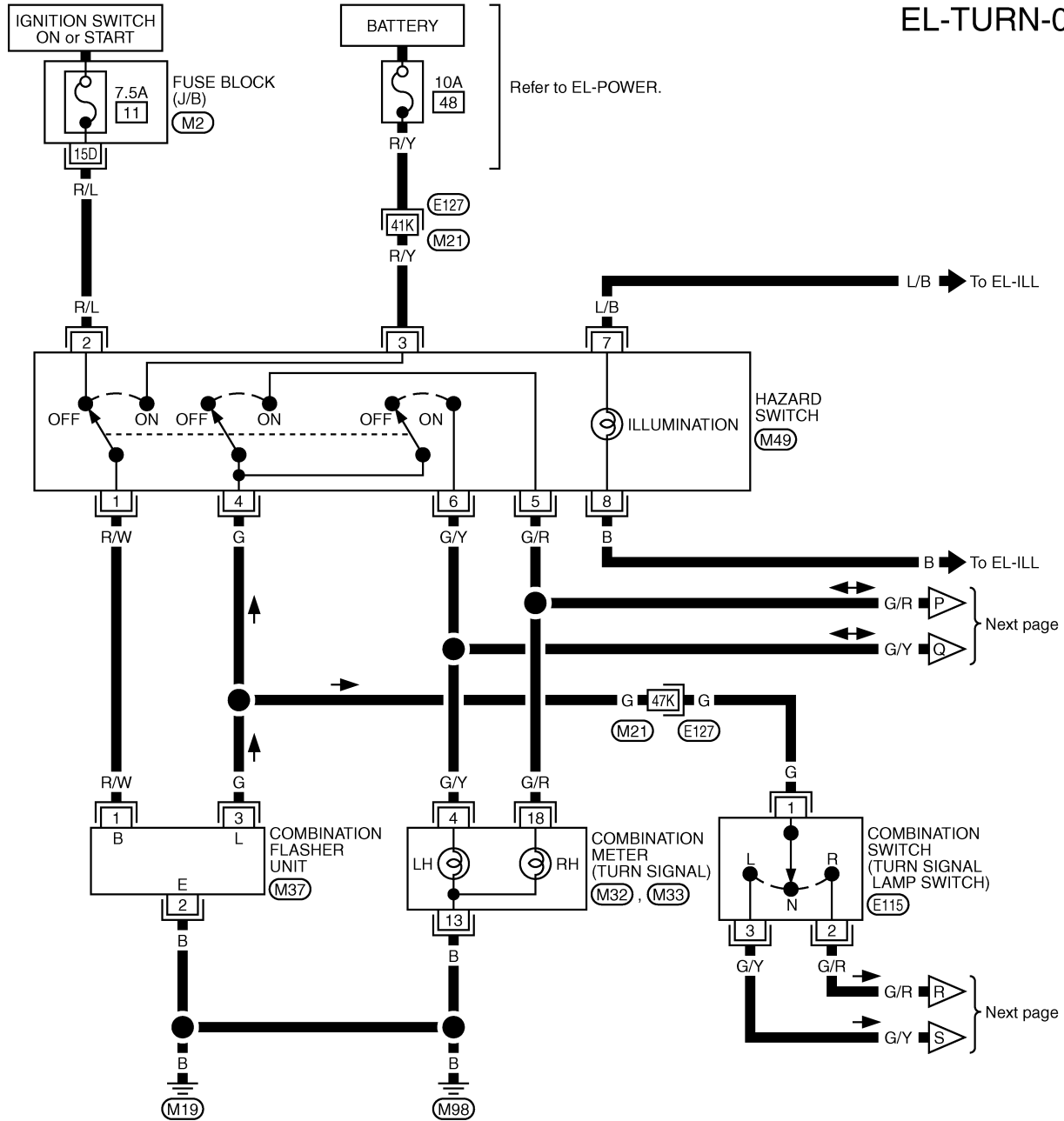
Refer to last page (Foldout page).

M20, B19  
M21, E127

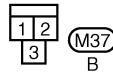
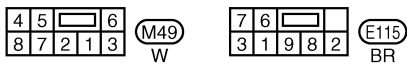
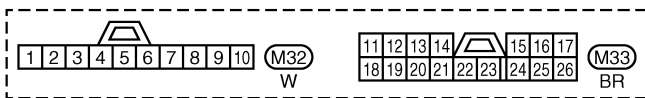
# TURN SIGNAL AND HAZARD WARNING LAMPS/PICKUP MODELS

## Wiring Diagram — TURN —

EL-TURN-07



GI  
 MA  
 EM  
 LC  
 EC  
 FE  
 CL  
 MT  
 AT  
 TF  
 PD  
 FA  
 RA  
 BR  
 ST  
 RS  
 BT  
 HA  
**EL**  
 SE  
 IDX

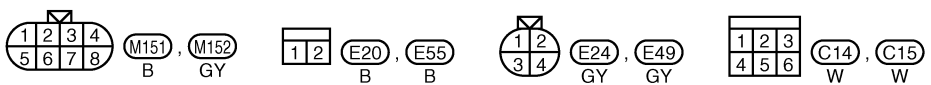
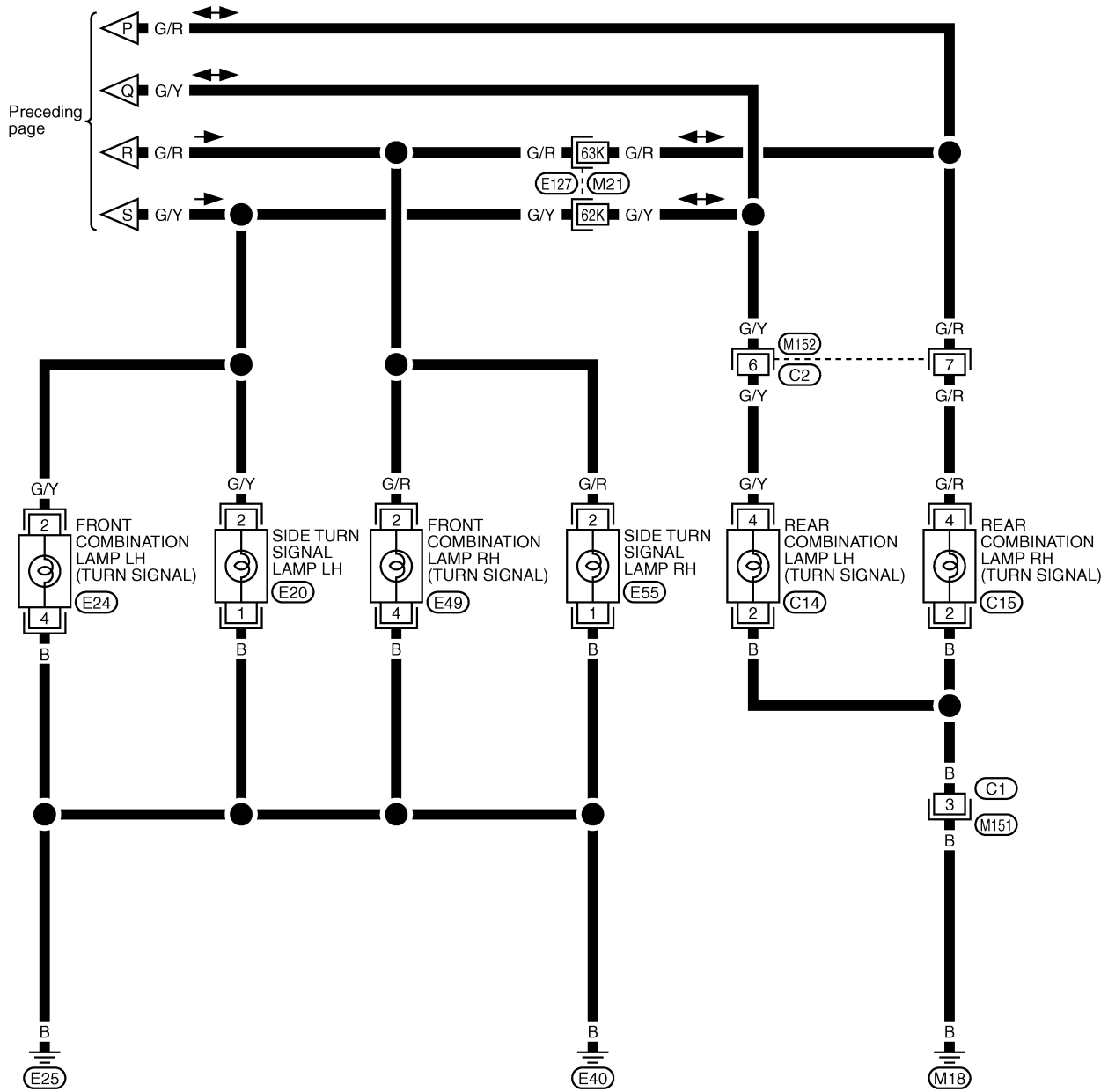


Refer to last page (Foldout page).  
 (M21), (E127)  
 (M2)

# TURN SIGNAL AND HAZARD WARNING LAMPS/PICKUP MODELS

## Wiring Diagram — TURN — (Cont'd)

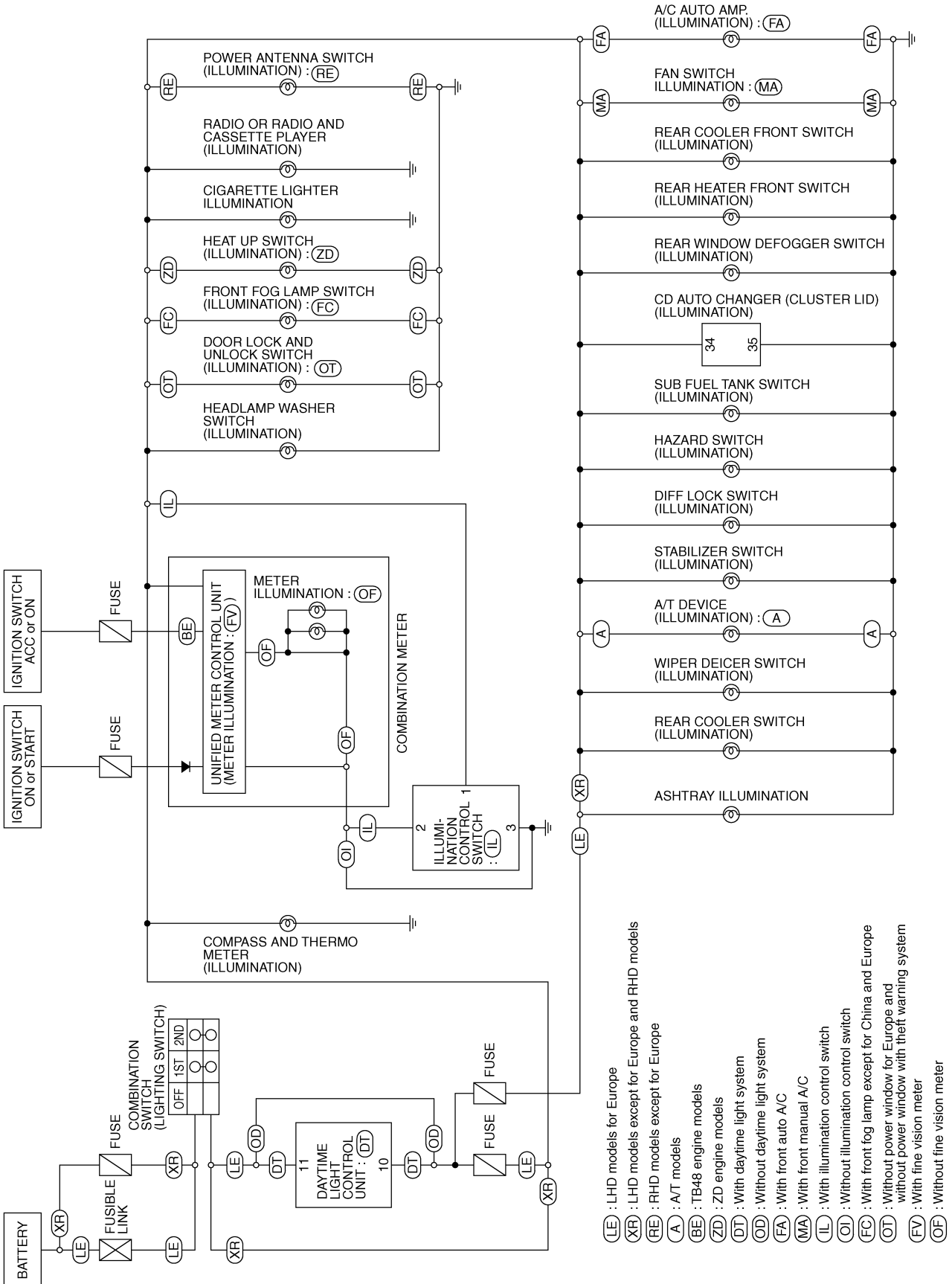
EL-TURN-08



Refer to last page (Foldout page).  
M21, E127

# ILLUMINATION/WAGON AND HARDTOP MODELS

## Schematic

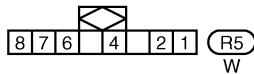
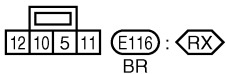
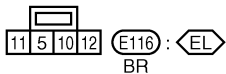
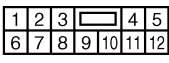
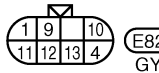
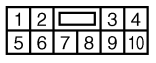
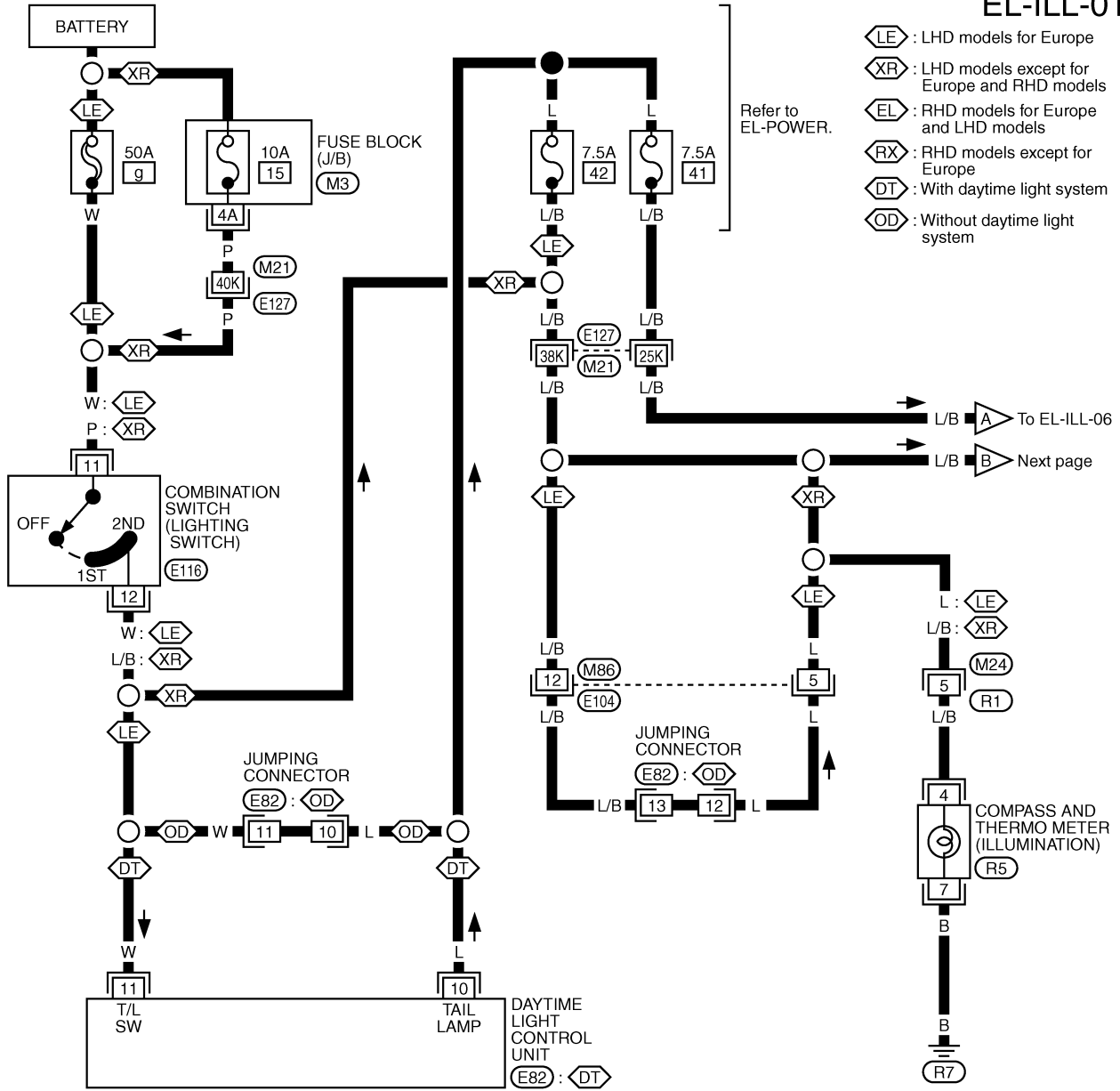


GI  
MA  
EM  
LC  
EC  
FE  
CL  
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PD  
FA  
RA  
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ST  
RS  
BT  
HA  
EL  
SE  
IDX

# ILLUMINATION/WAGON AND HARDTOP MODELS

## Wiring Diagram — ILL —

EL-ILL-01



Refer to last page (Foldout page).

M21, E127

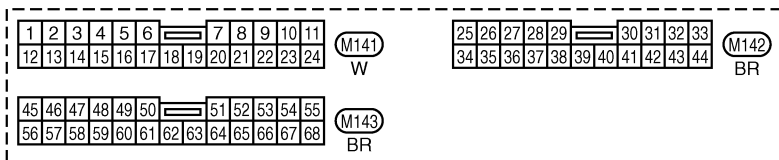
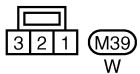
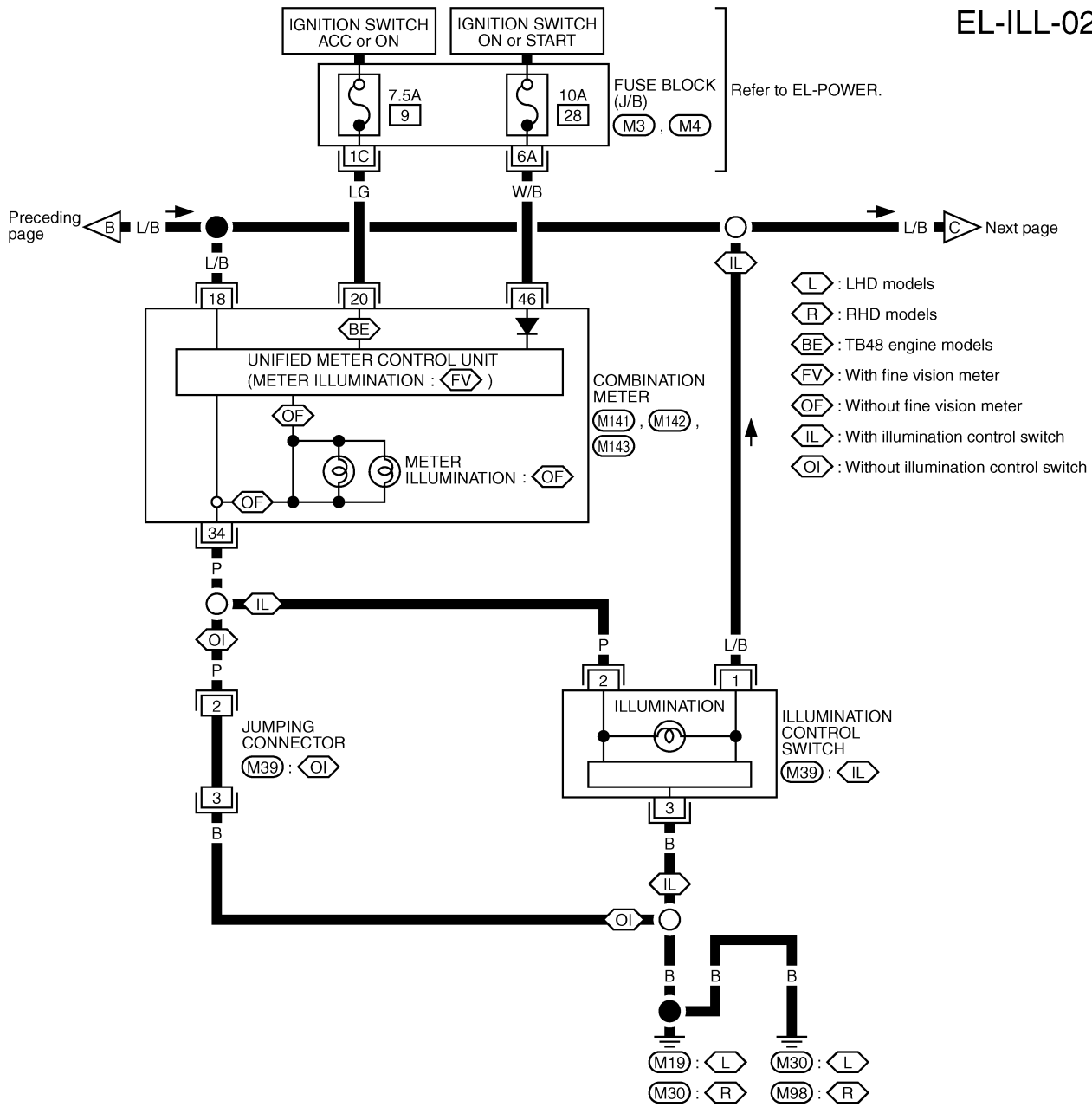
M3

# ILLUMINATION/WAGON AND HARDTOP MODELS

## Wiring Diagram — ILL — (Cont'd)

EL-ILL-02

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX



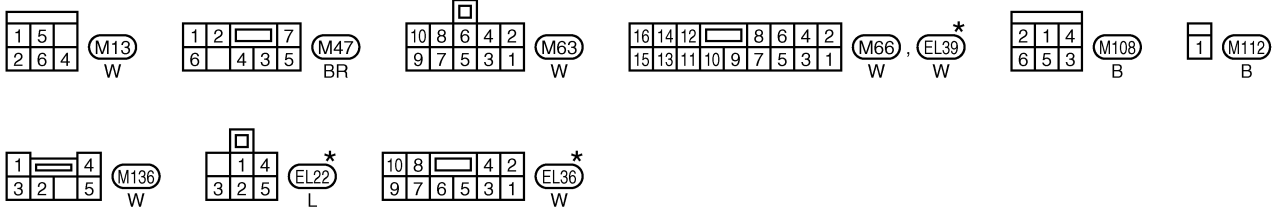
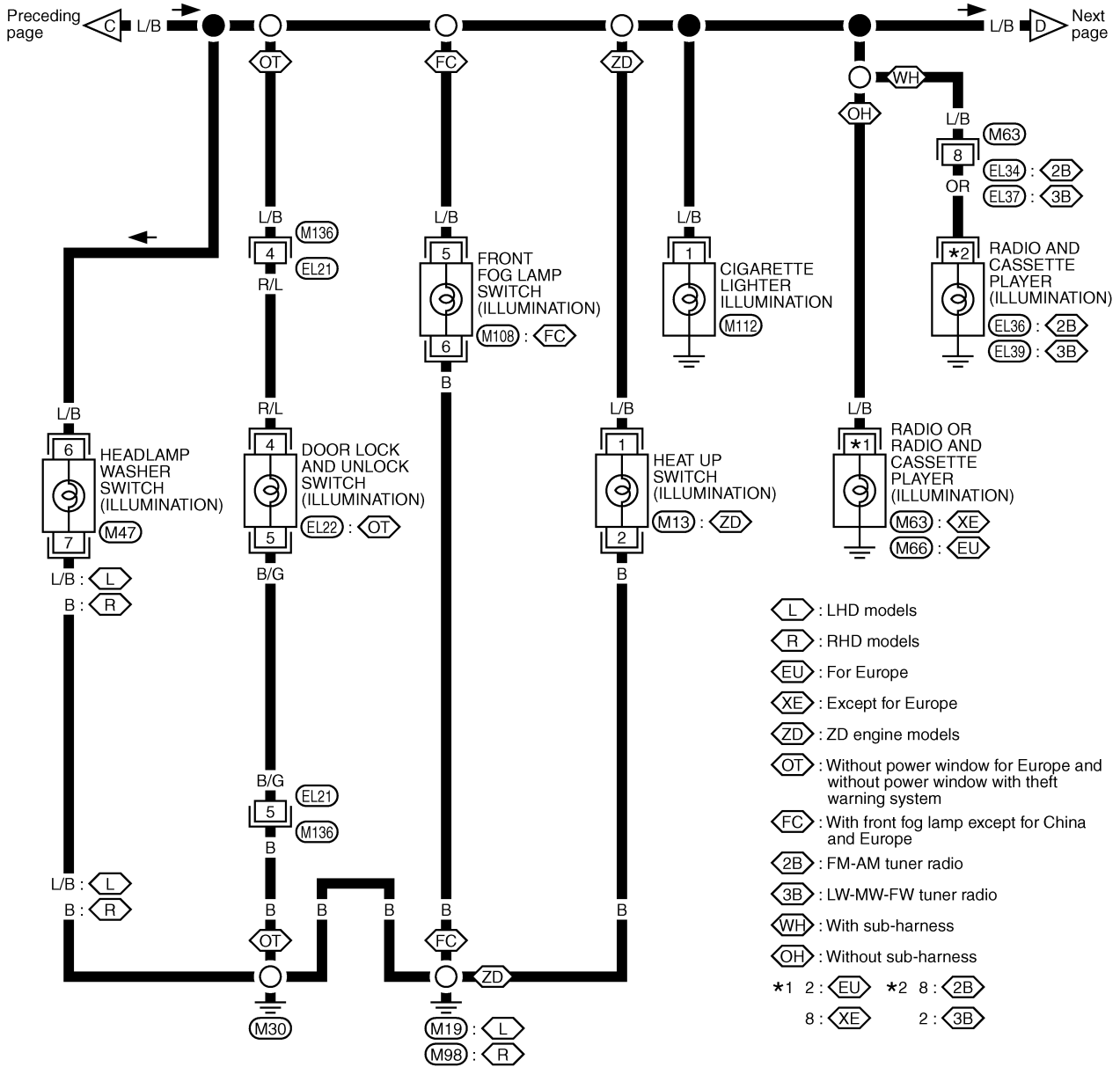
Refer to last page (Foldout page).

(M3)  
(M4)

# ILLUMINATION/WAGON AND HARDTOP MODELS

## Wiring Diagram — ILL — (Cont'd)

EL-ILL-03



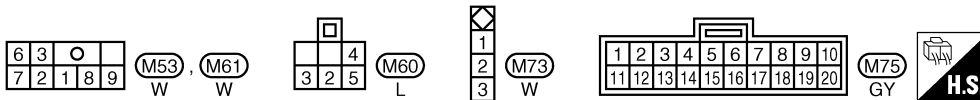
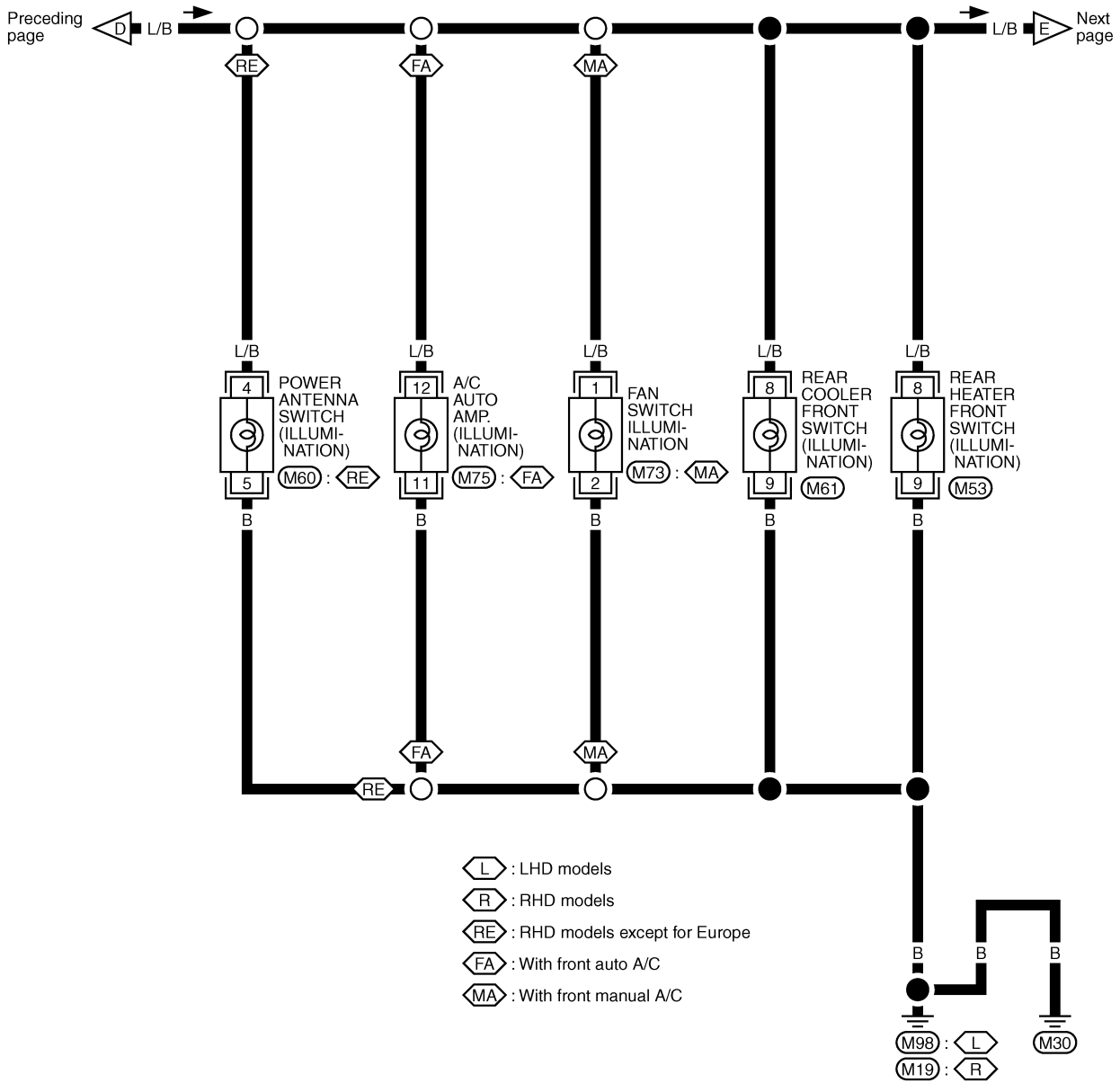
\*: This connector is not shown in "HARNESS LAYOUT", EL section.



# ILLUMINATION/WAGON AND HARDTOP MODELS

## Wiring Diagram — ILL — (Cont'd)

EL-ILL-04



GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA

**EL**

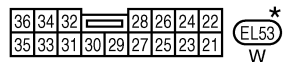
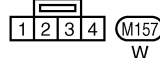
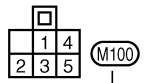
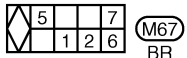
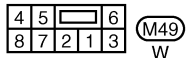
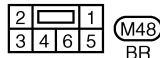
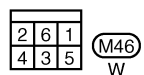
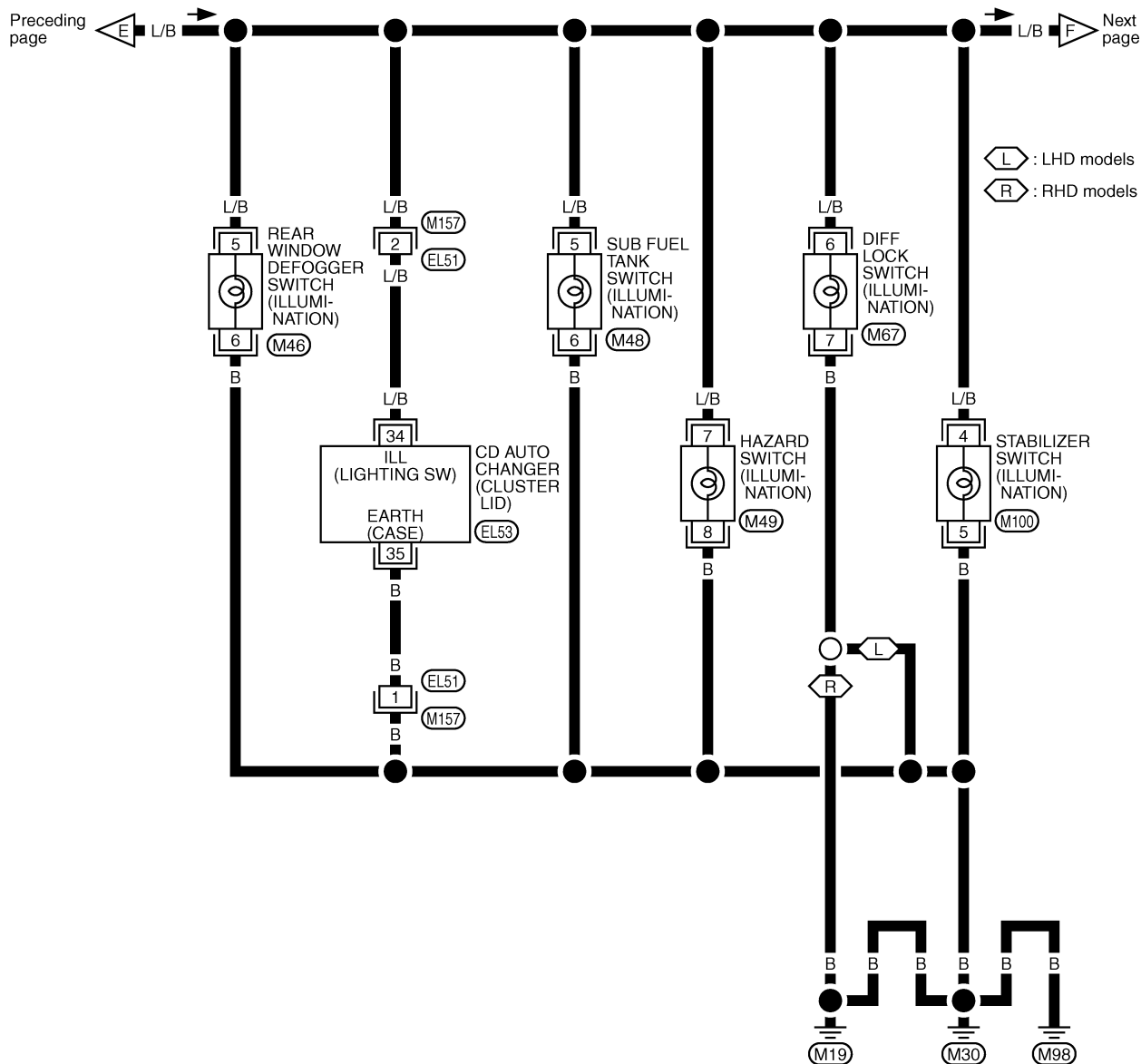
SE

IDX

# ILLUMINATION/WAGON AND HARDTOP MODELS

## Wiring Diagram — ILL — (Cont'd)

EL-ILL-05



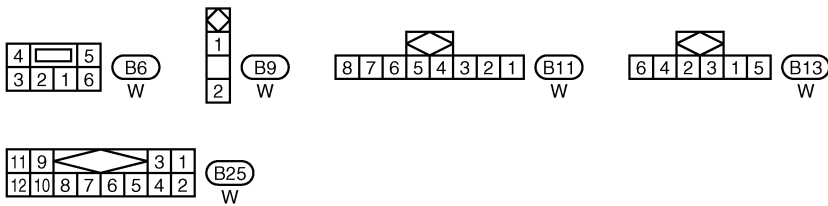
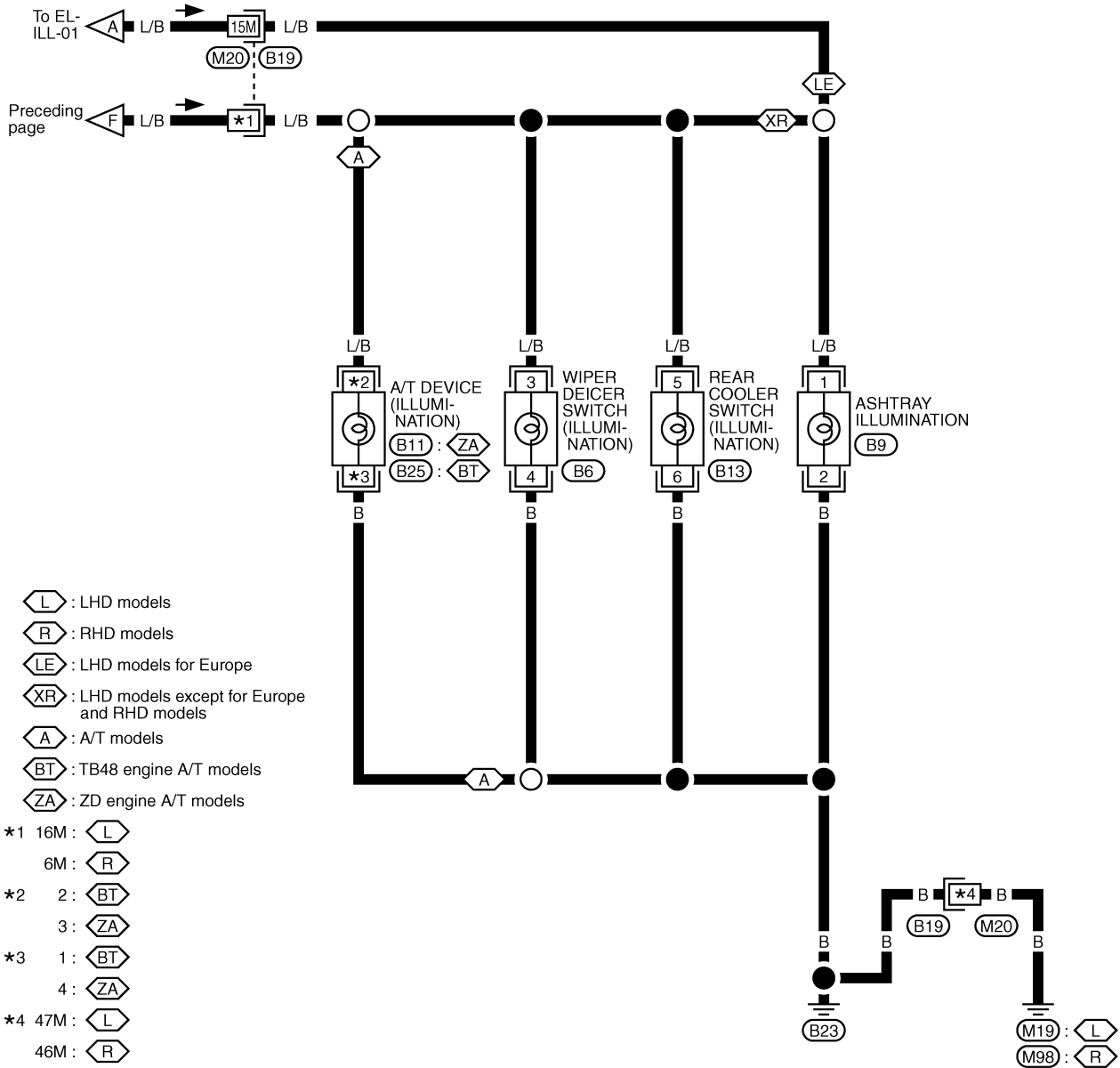
\*: This connector is not shown in "HARNESS LAYOUT", EL section.

# ILLUMINATION/WAGON AND HARDTOP MODELS

## Wiring Diagram — ILL — (Cont'd)

EL-ILL-06

GI  
MA  
EM  
LC  
EC  
FE  
CL  
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TF  
PD  
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IDX

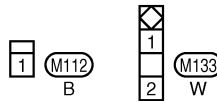
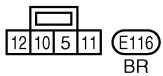
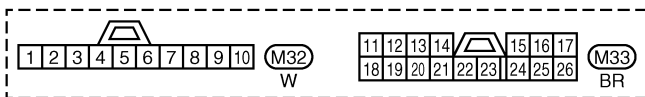
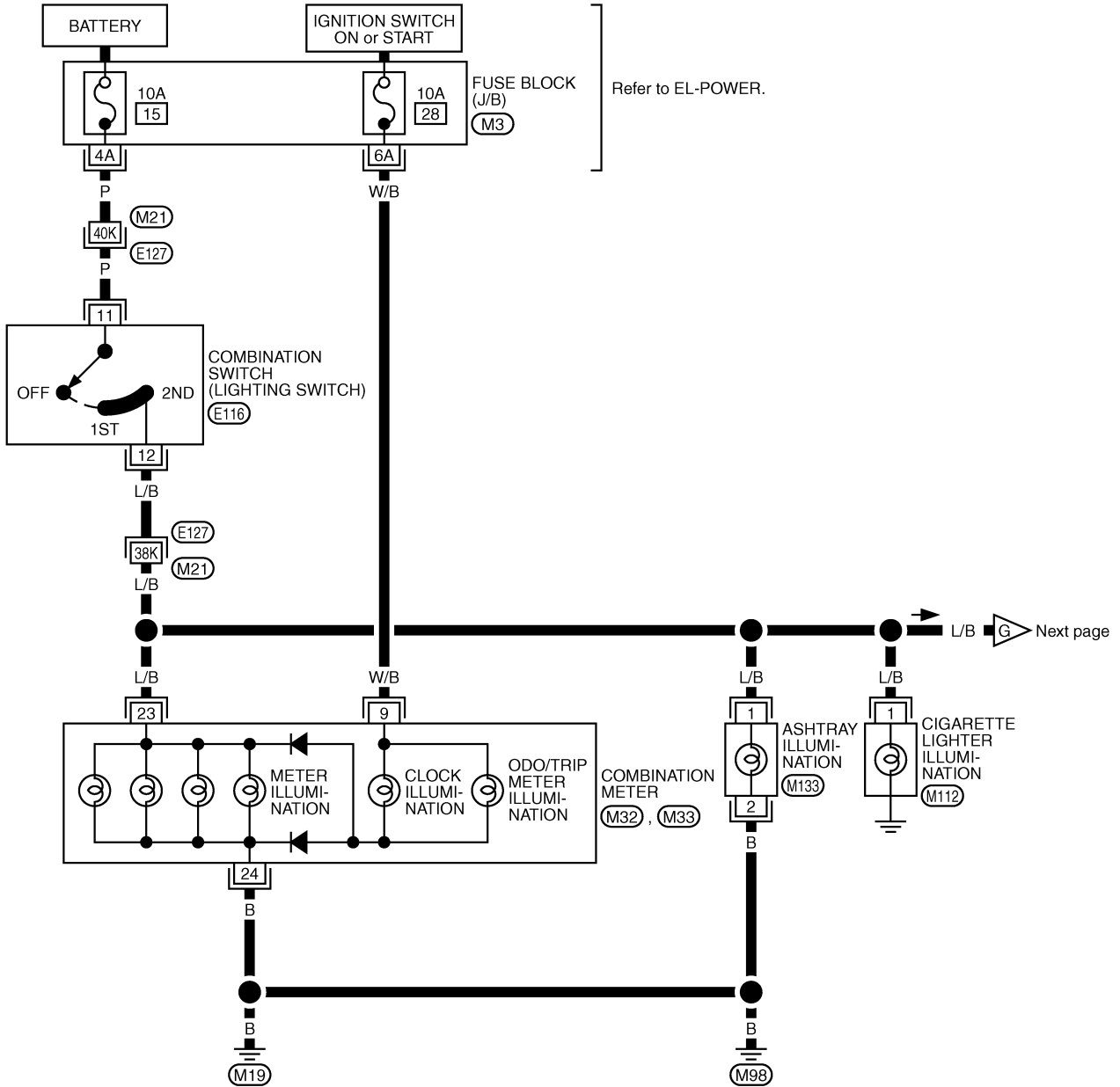


Refer to last page (Foldout page).  
(M20), (B19)

# ILLUMINATION/PICKUP MODELS

## Wiring Diagram — ILL —

EL-ILL-07



Refer to last page (Foldout page).

M21, E127  
M3

# ILLUMINATION/PICKUP MODELS

## Wiring Diagram — ILL — (Cont'd)

EL-ILL-08

GI

MA

EM

LC

EC

FE

CL

MT

AT

TF

PD

FA

RA

BR

ST

RS

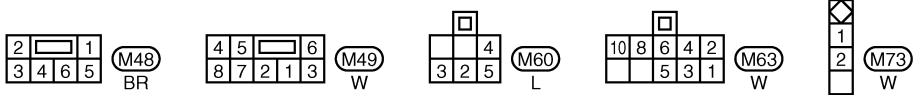
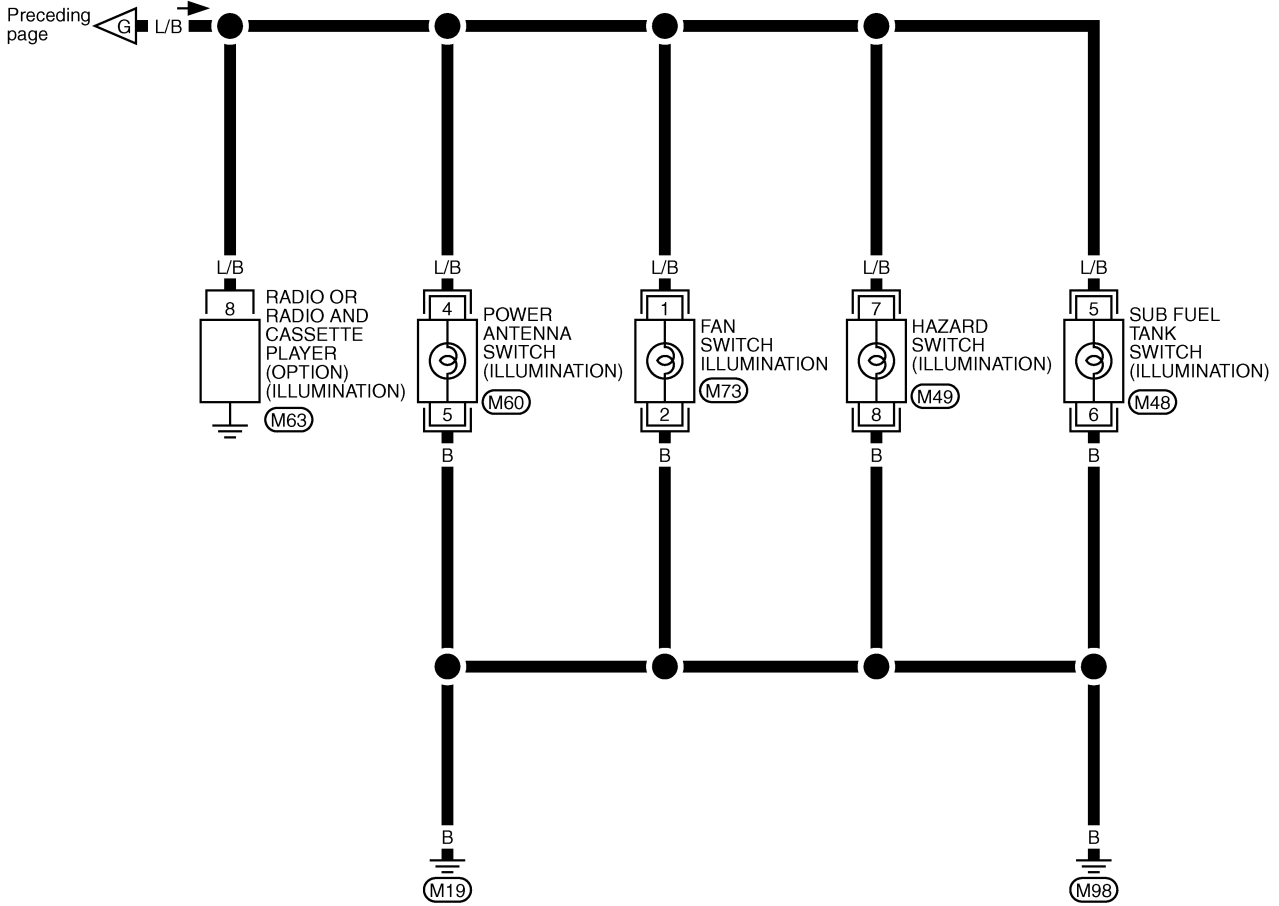
BT

HA

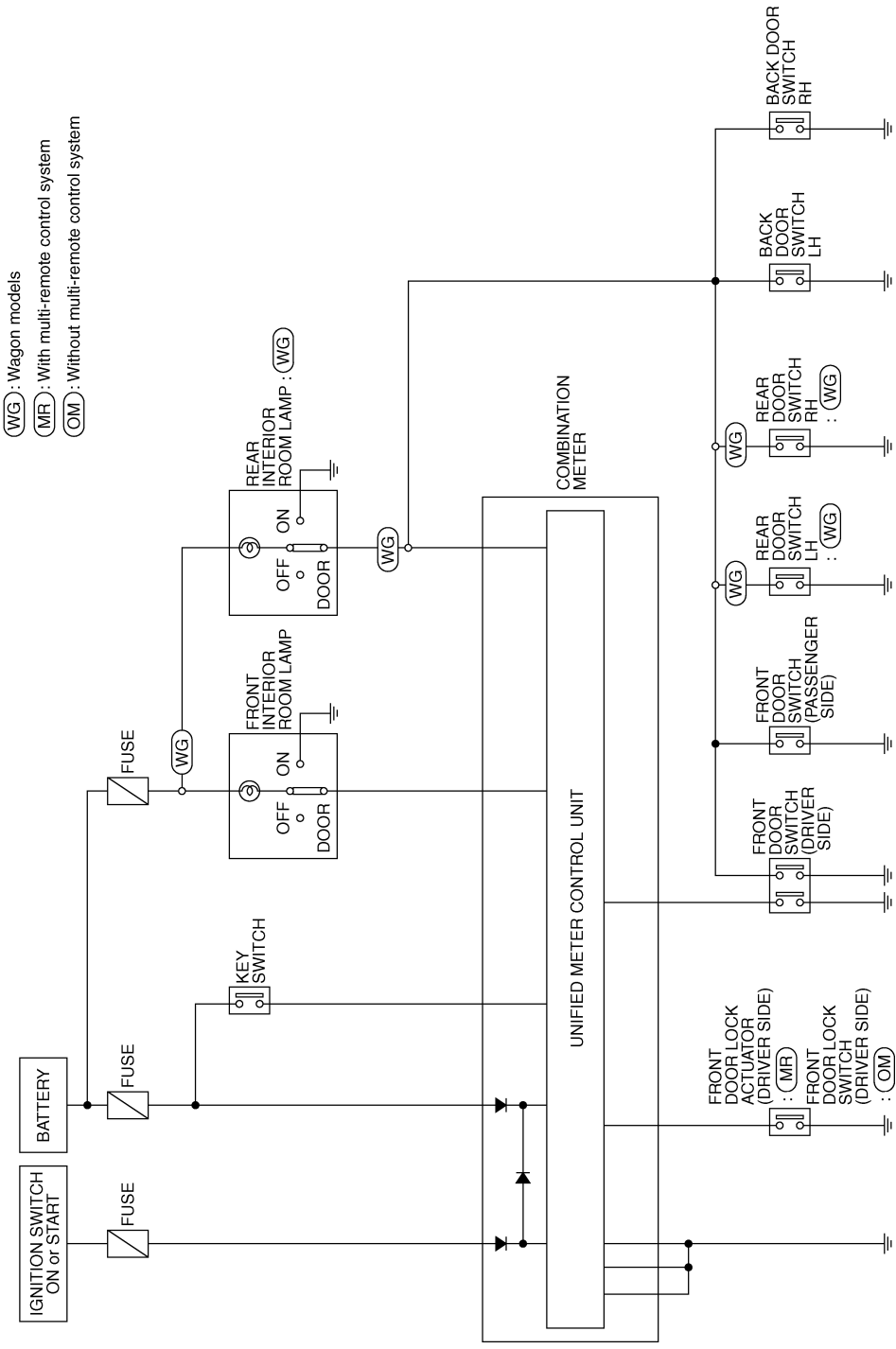
**EL**

SE

IDX



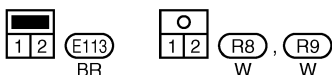
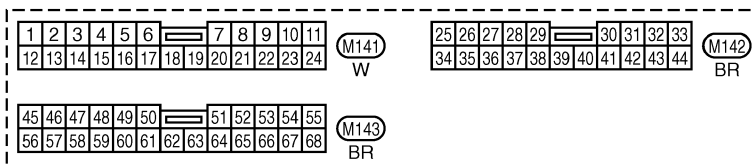
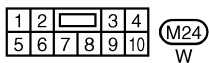
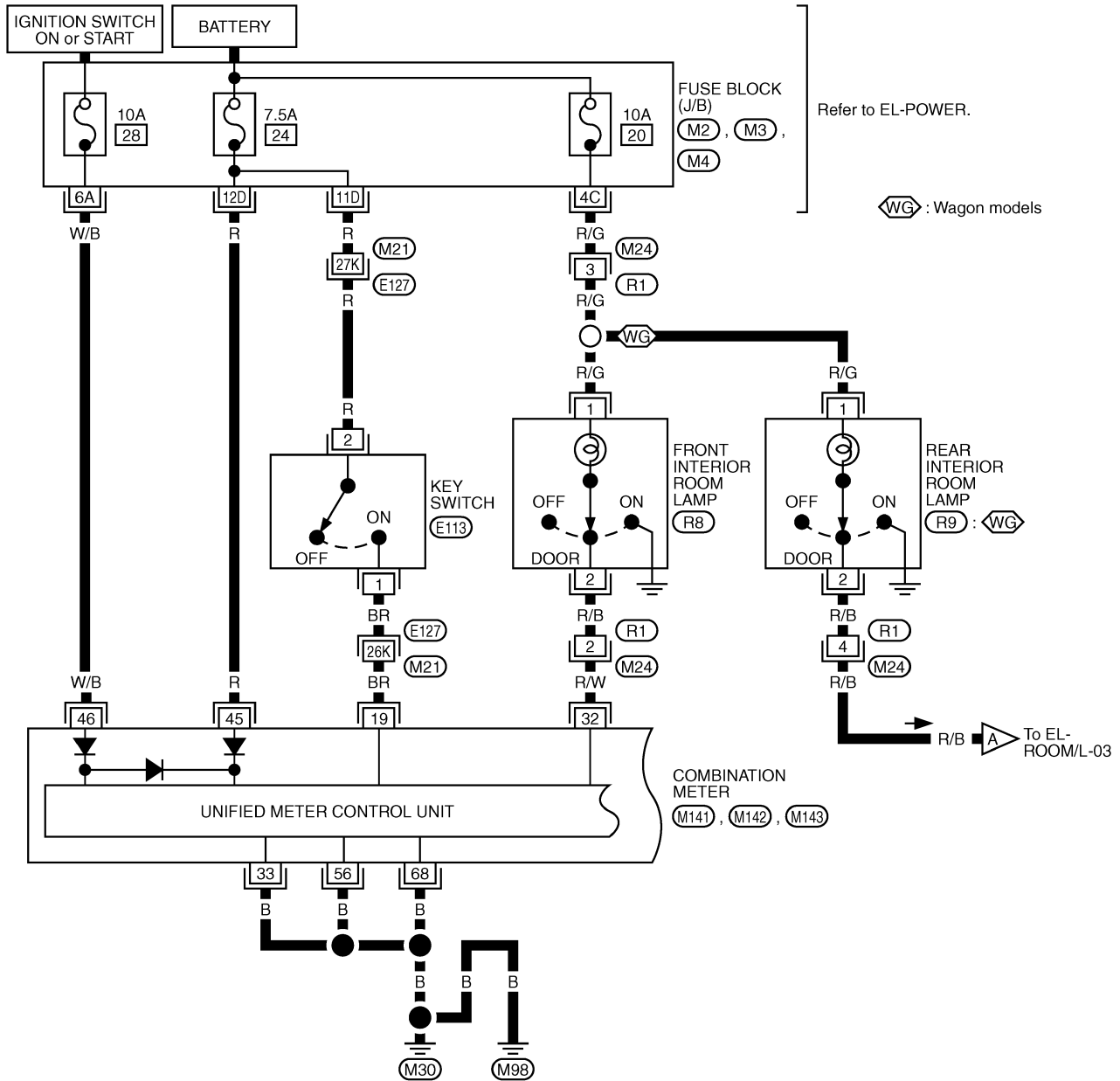
Schematic/LHD Models Except for Europe and China



Wiring Diagram — ROOM/L —/LHD Models  
Except for Europe and China

EL-ROOM/L-01

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX



Refer to last page (Foldout page).

M21, E127

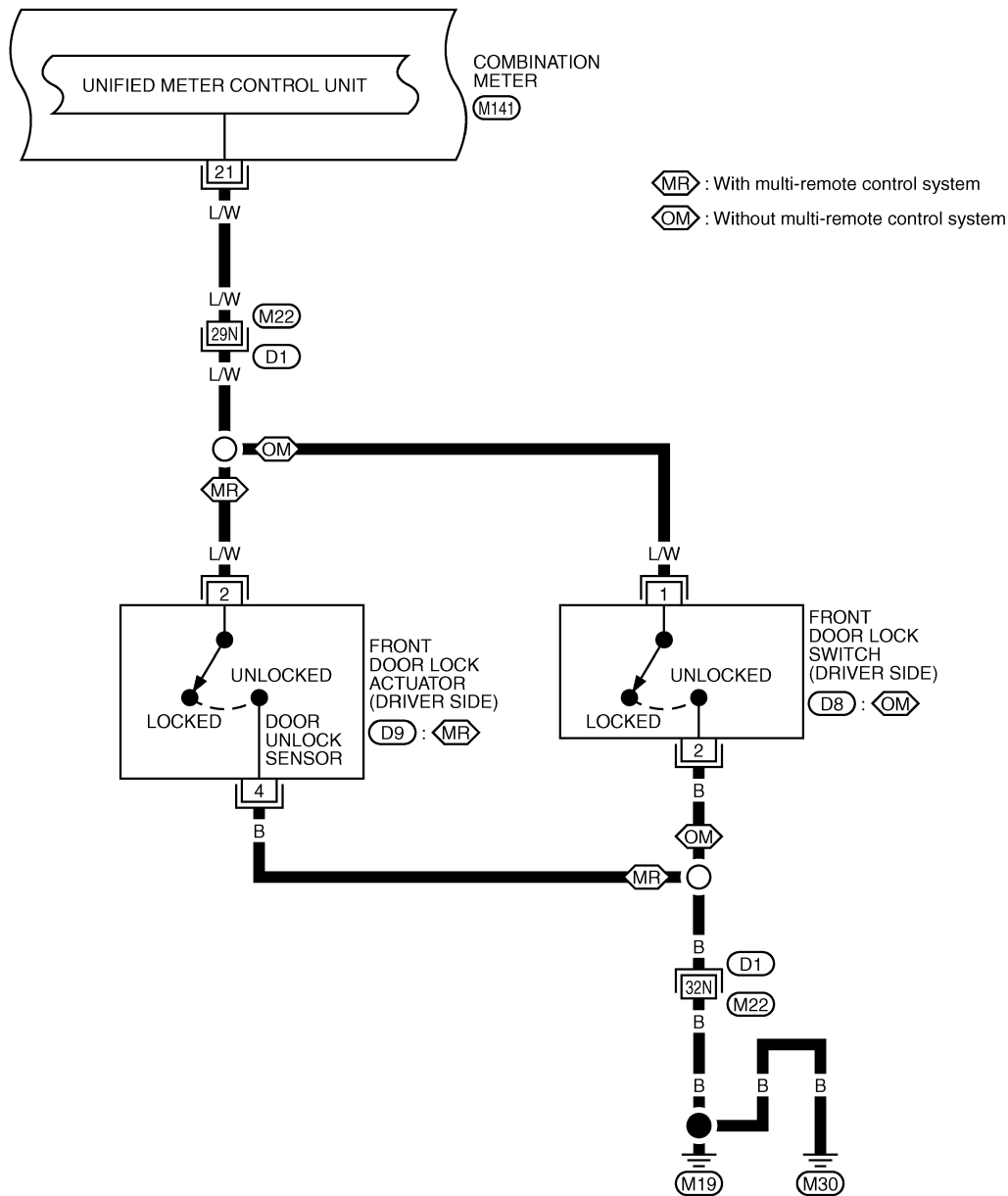
M2

M3

M4

Wiring Diagram — ROOM/L —/LHD Models  
Except for Europe and China (Cont'd)

EL-ROOM/L-02



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

(M141)  
W

(2 1) (D8)  
GY

(3 4) (D9)  
GY

Refer to last page (Foldout page).  
(M22), (D1)

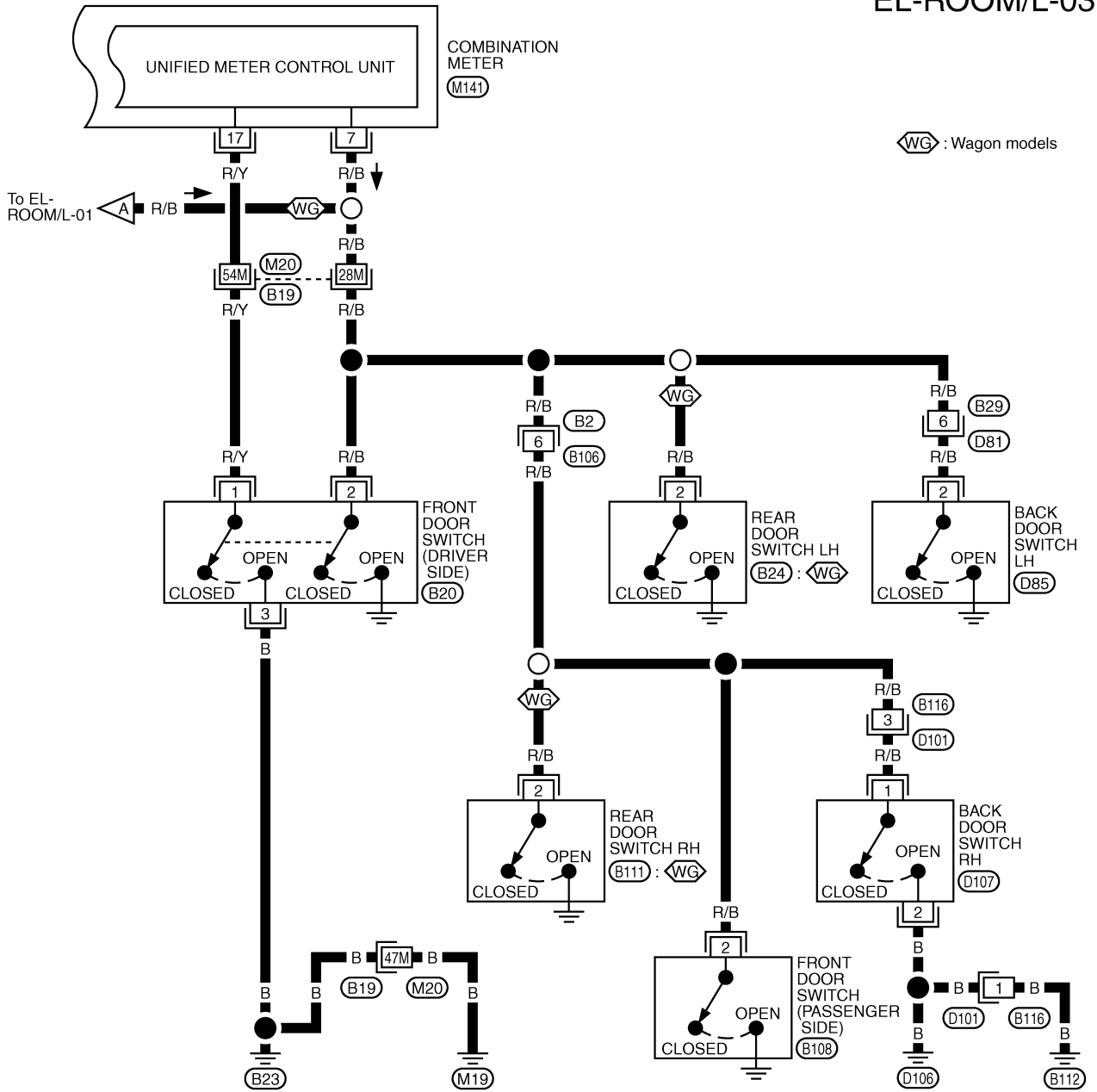


# INTERIOR ROOM LAMP/WAGON AND HARDTOP MODELS — With Timer —

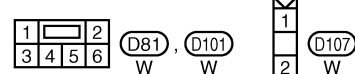
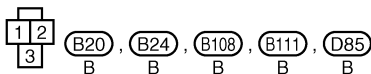
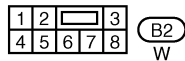
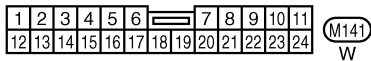
## Wiring Diagram — ROOM/L —/LHD Models Except for Europe and China (Cont'd)

EL-ROOM/L-03

GI  
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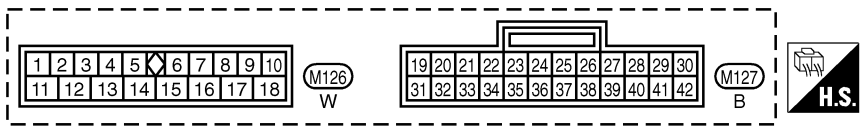
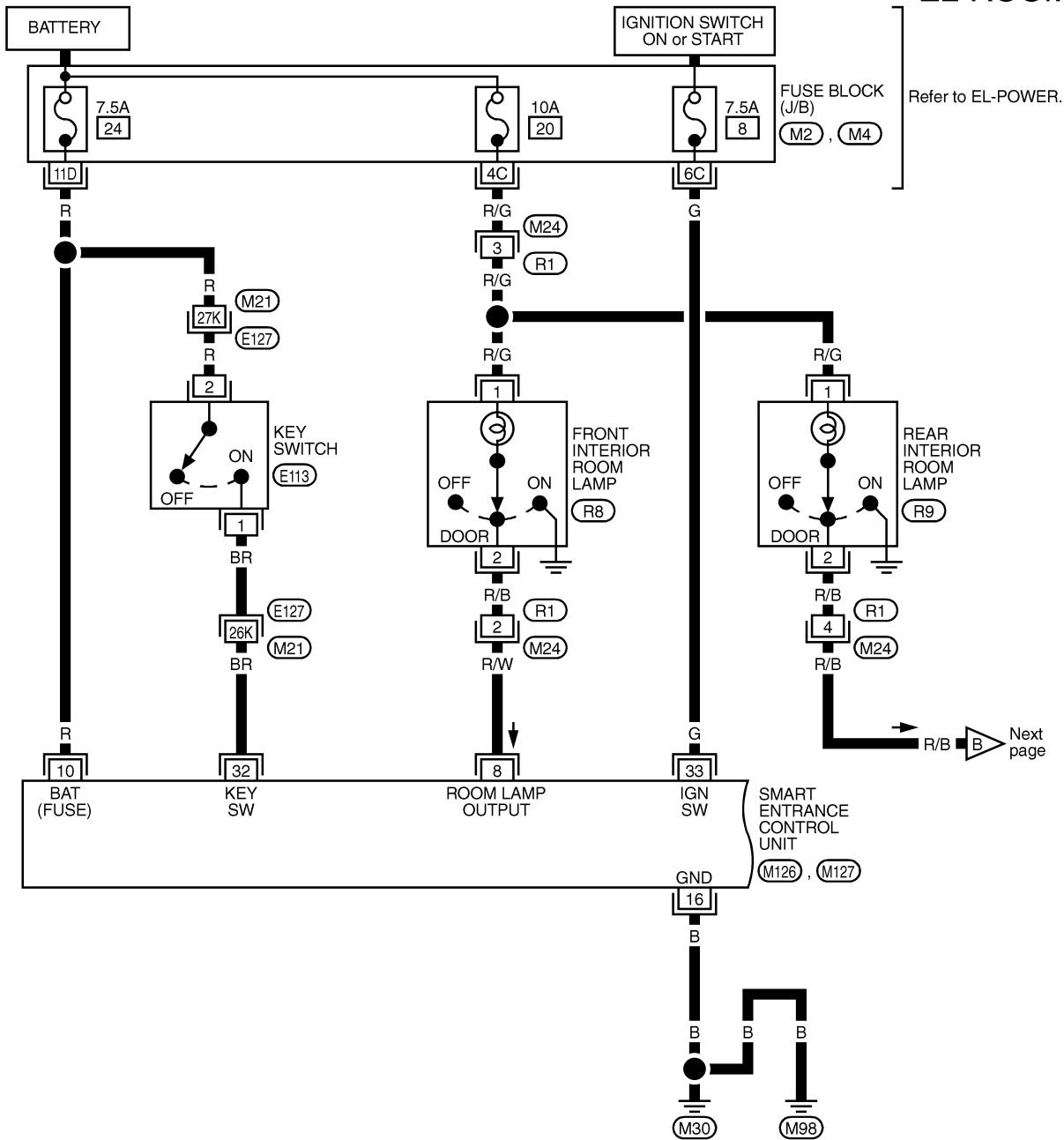
WG : Wagon models



Refer to last page (Foldout page).  
M20, B19

Wiring Diagram — ROOM/L —/For China

EL-ROOM/L-04

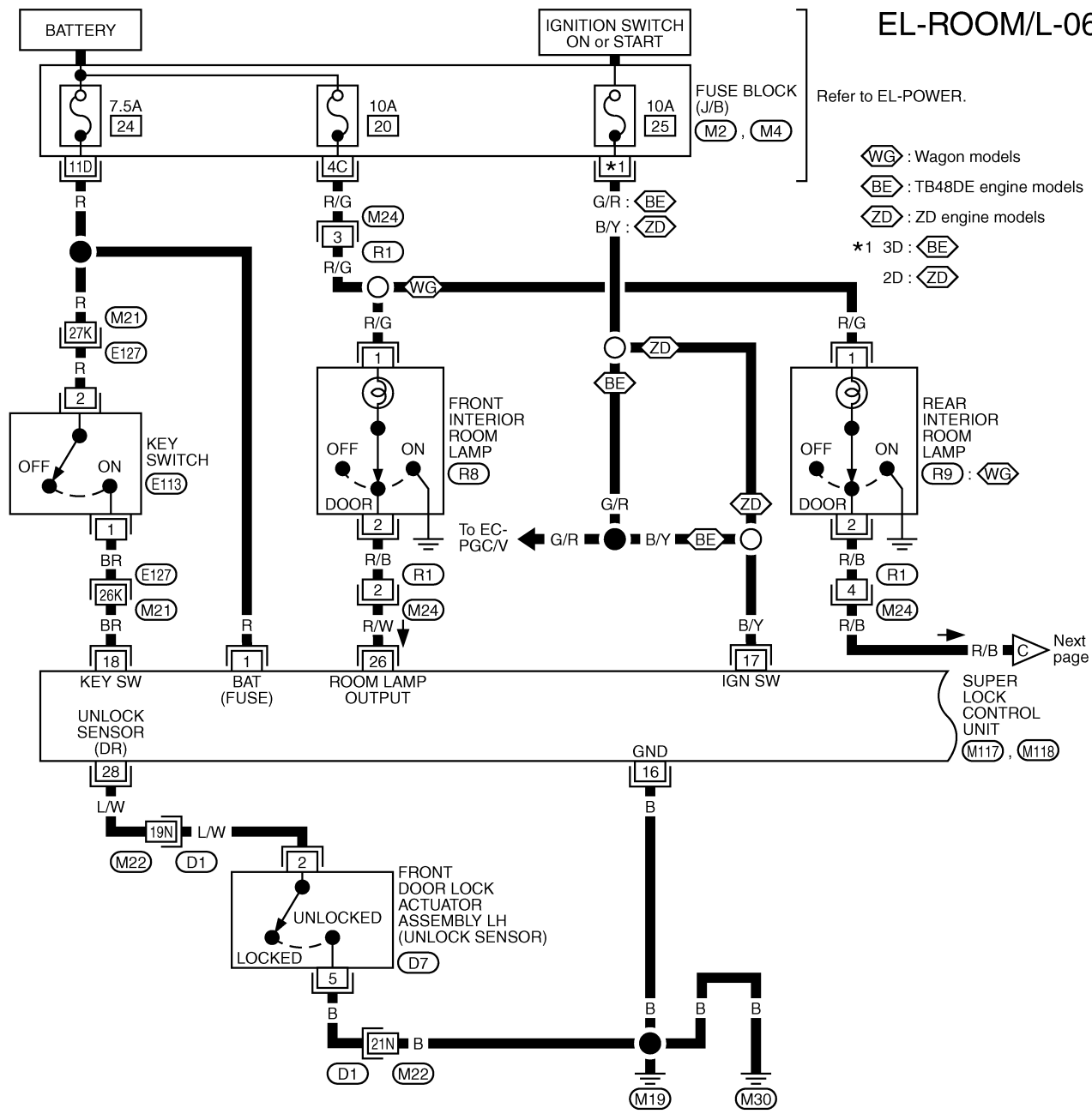


Refer to last page (Foldout page).  
 (M21), (E127)  
 (M2)  
 (M4)



### Wiring Diagram — ROOM/L —/LHD Models for Europe

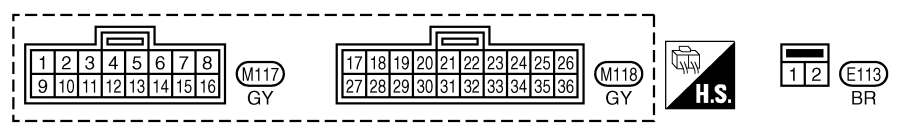
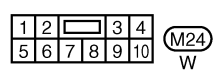
EL-ROOM/L-06



Refer to EL-POWER.

WG: Wagon models  
 BE: TB48DE engine models  
 ZD: ZD engine models

\*1 3D: BE  
 2D: ZD

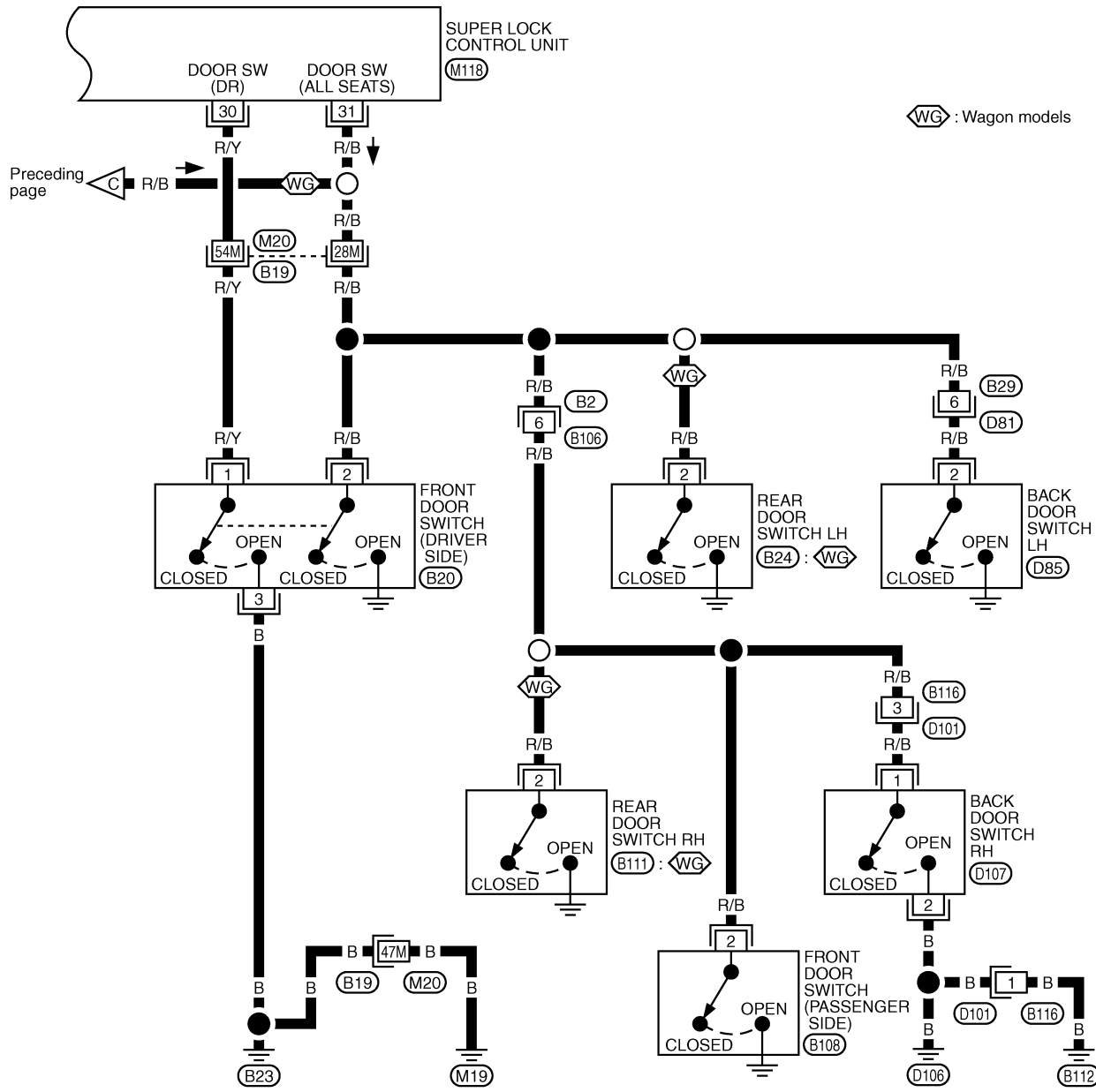


Refer to last page (Foldout page).

M21, E127  
 M22, D1  
 M2  
 M4

Wiring Diagram — ROOM/L —/LHD Models for Europe (Cont'd)

EL-ROOM/L-07



17	18	19	20	21	22	23	24	25	26
27	28	29	30	31	32	33	34	35	36

M118 GY H.S.

1	2	3		
4	5	6	7	8

B2 W

1	2
3	

B20, B, B24, B, B108, B, B111, B, D85, B

1	2		
3	4	5	6

D81, W, D101, W

1
2

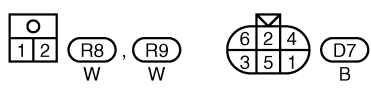
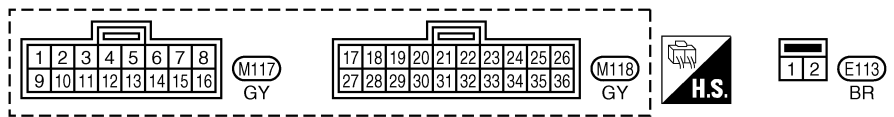
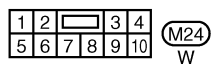
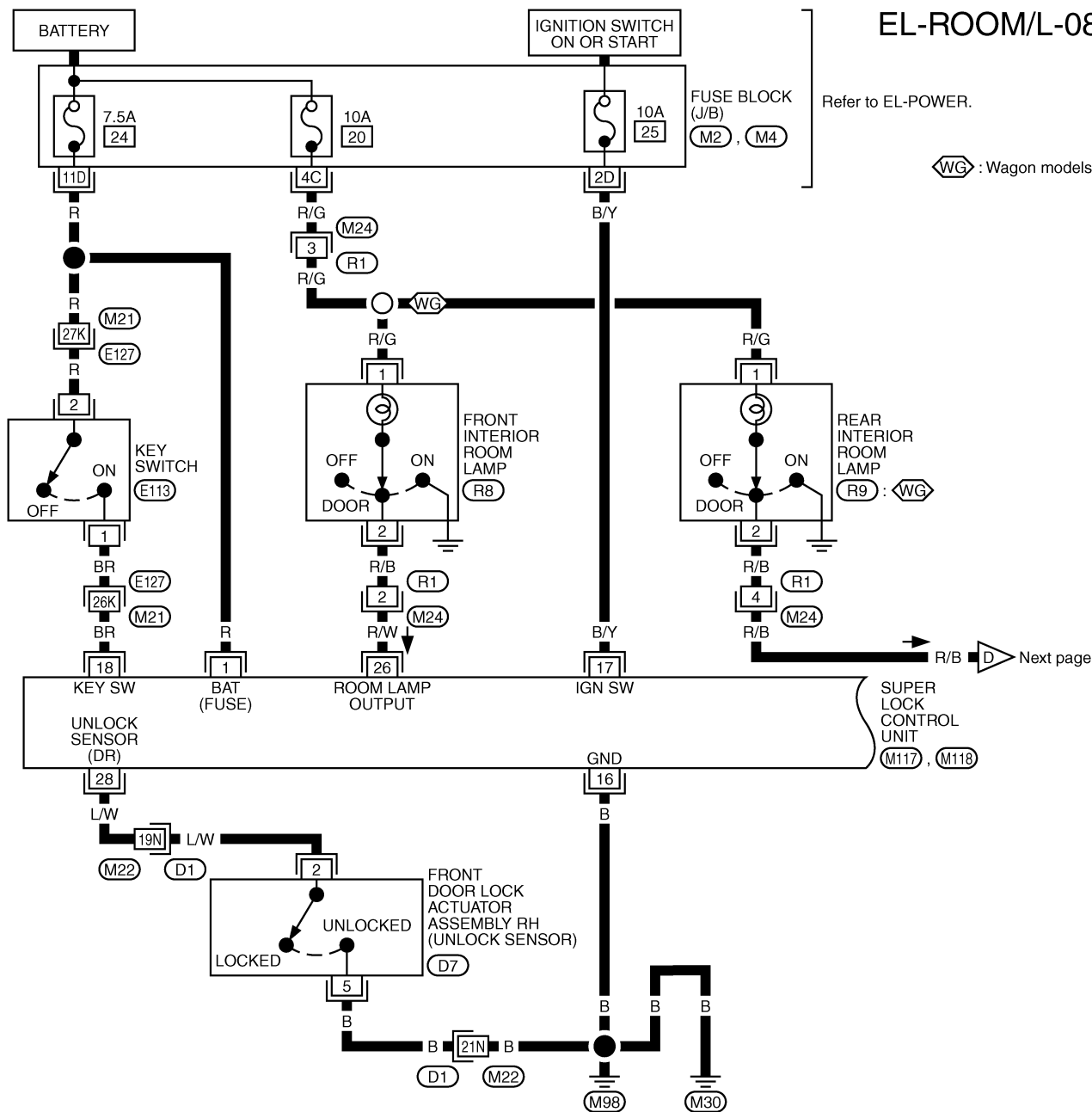
D107, W

Refer to last page (Foldout page).  
M20, B19

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### Wiring Diagram — ROOM/L —/RHD Models for Europe

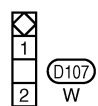
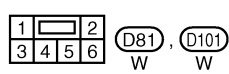
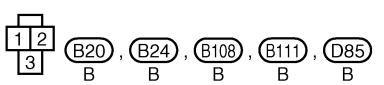
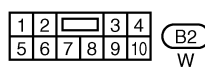
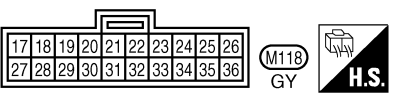
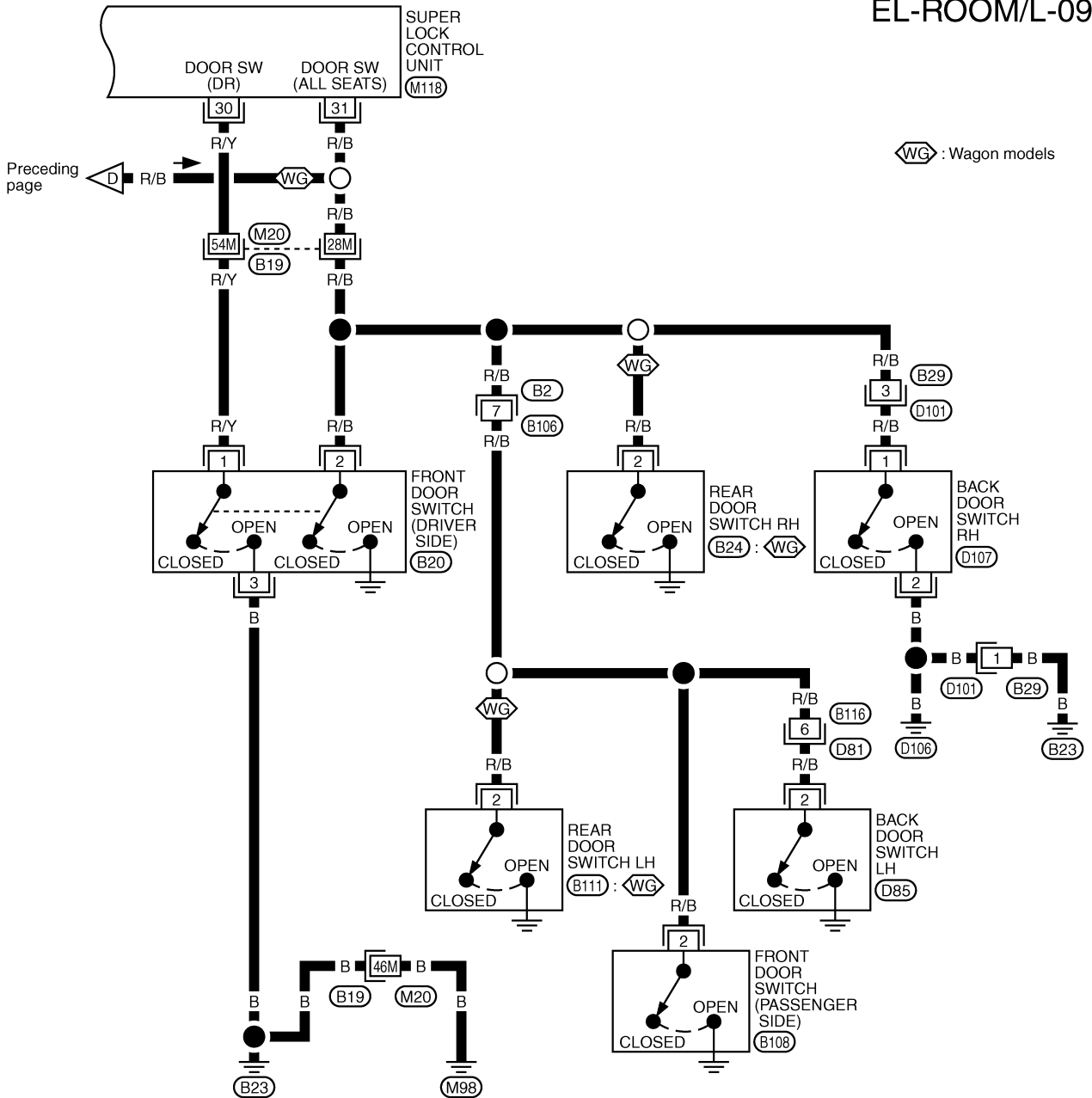
EL-ROOM/L-08



Refer to last page (Foldout page).  
 M21, E127  
 M22, D1  
 M2  
 M4

# INTERIOR ROOM LAMP/WAGON AND HARDTOP MODELS — With Timer — Wiring Diagram — ROOM/L —/RHD Models for Europe (Cont'd)

EL-ROOM/L-09



Refer to last page (Foldout page).

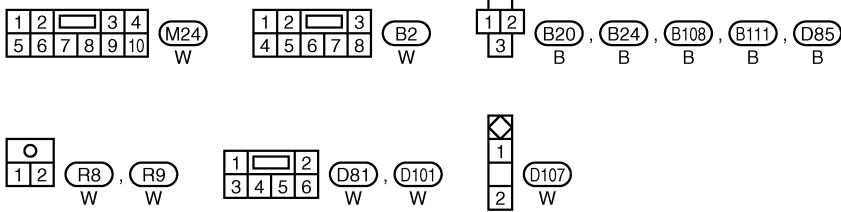
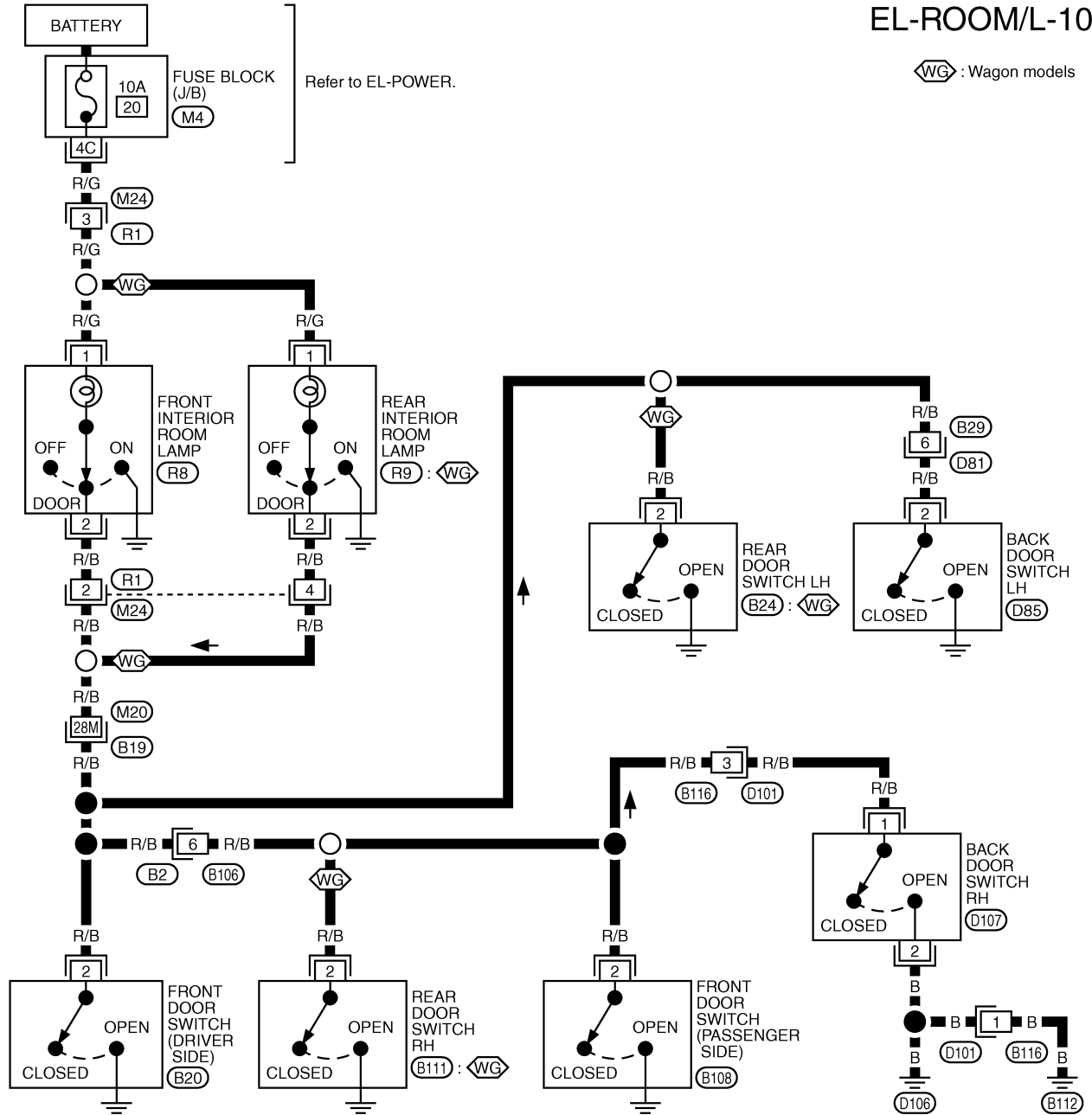
M20, B19

GI  
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Wiring Diagram — ROOM/L —/LHD Models

EL-ROOM/L-10

◊WG◊ : Wagon models



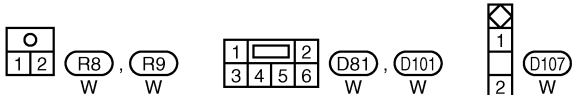
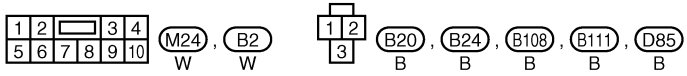
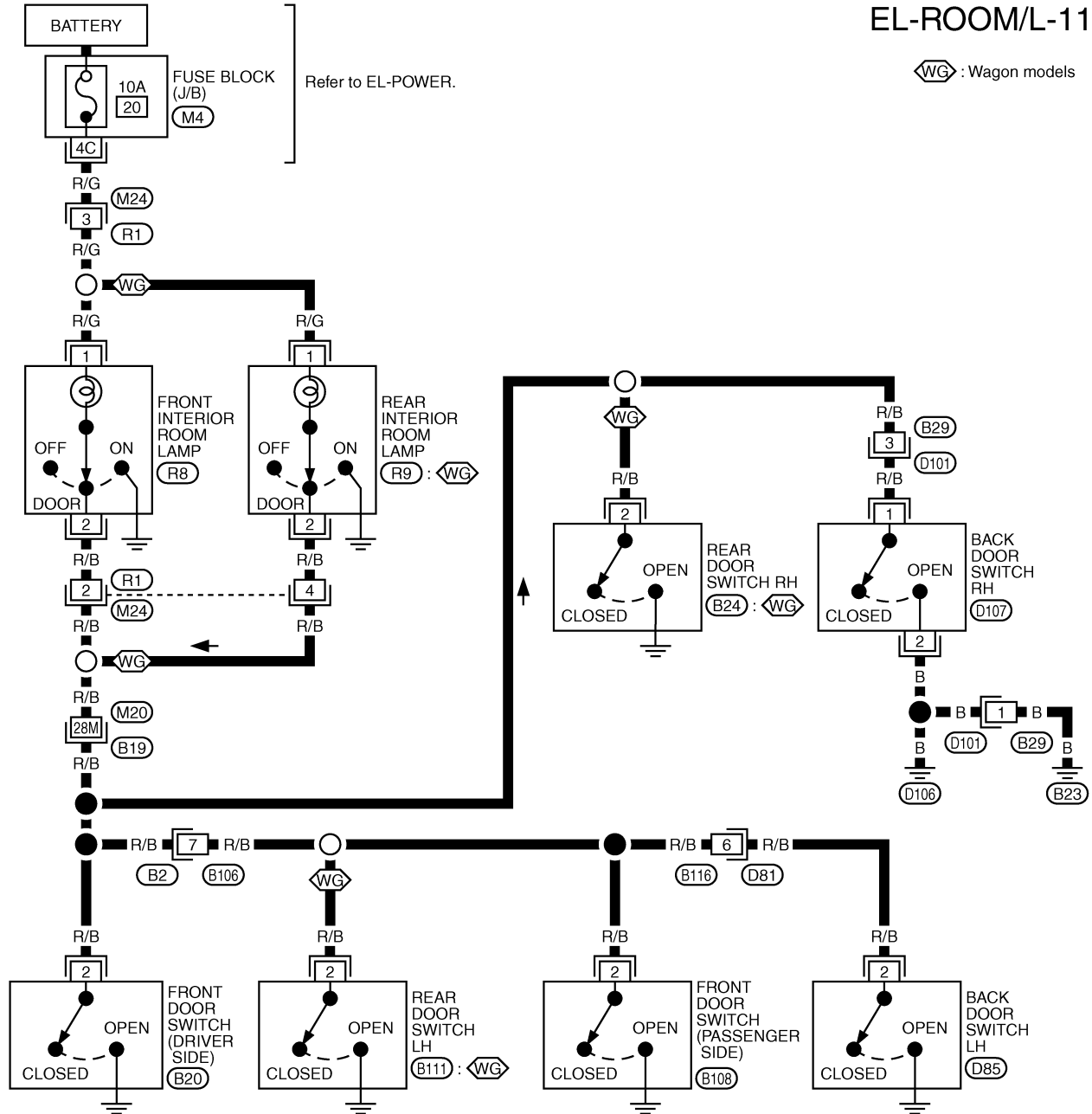
Refer to last page (Foldout page).  
 M20, B19  
 M4



Wiring Diagram — ROOM/L —/RHD Models

EL-ROOM/L-11

◊WG : Wagon models

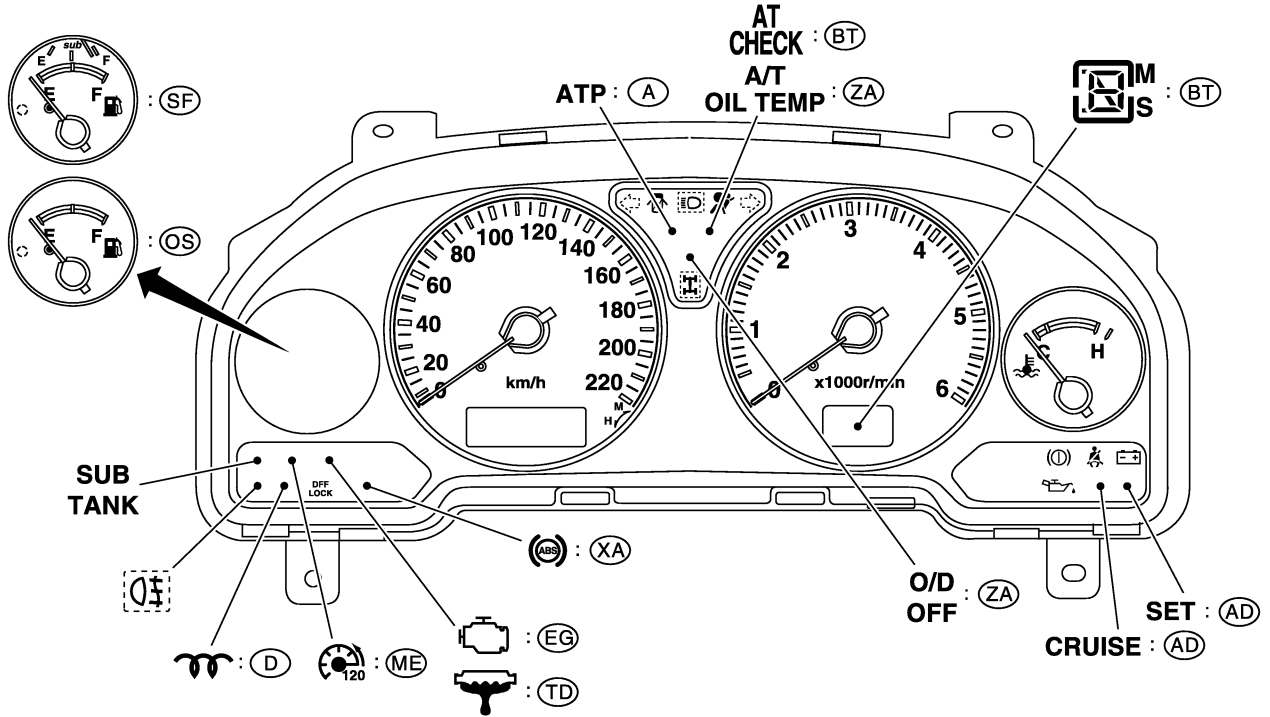


Refer to last page (Foldout page).  
 (M20), (B19)  
 (M4)

GI  
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 EM  
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 EC  
 FE  
 CL  
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 PD  
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 IDX

# METER AND GAUGES/WAGON AND HARDTOP MODELS

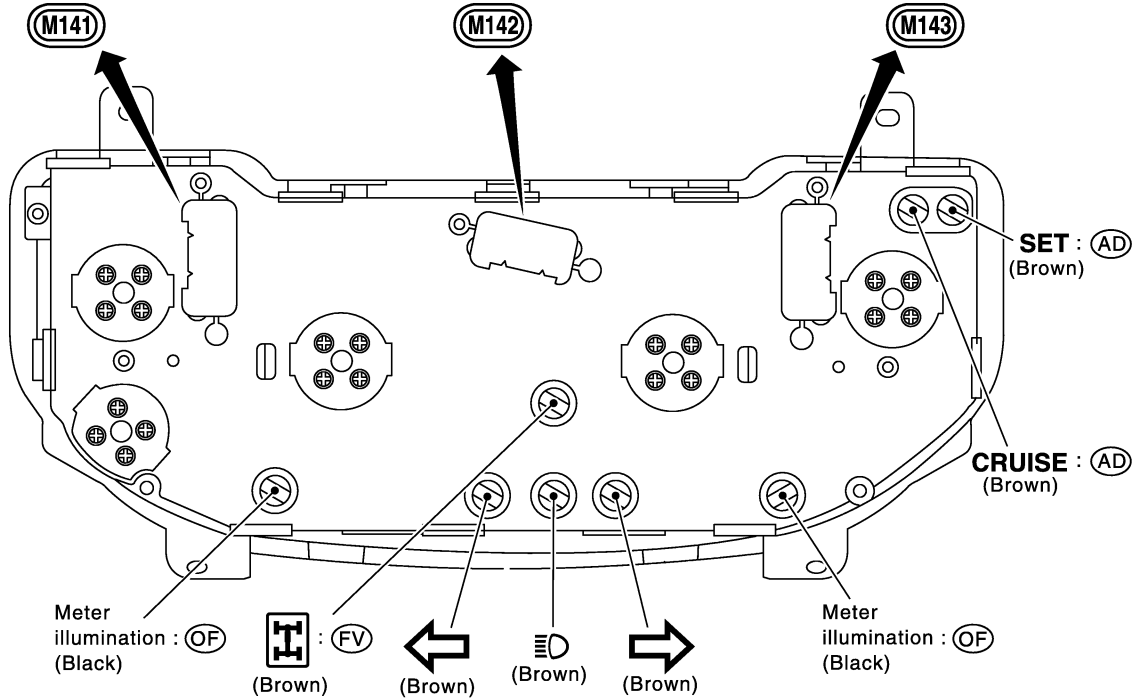
## Combination Meter



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

33	32	31	30	29	28	27	26	25		
44	43	42	41	40	39	38	37	36	35	34

55	54	53	52	51	50	49	48	47	46	45		
68	67	66	65	64	63	62	61	60	59	58	57	56



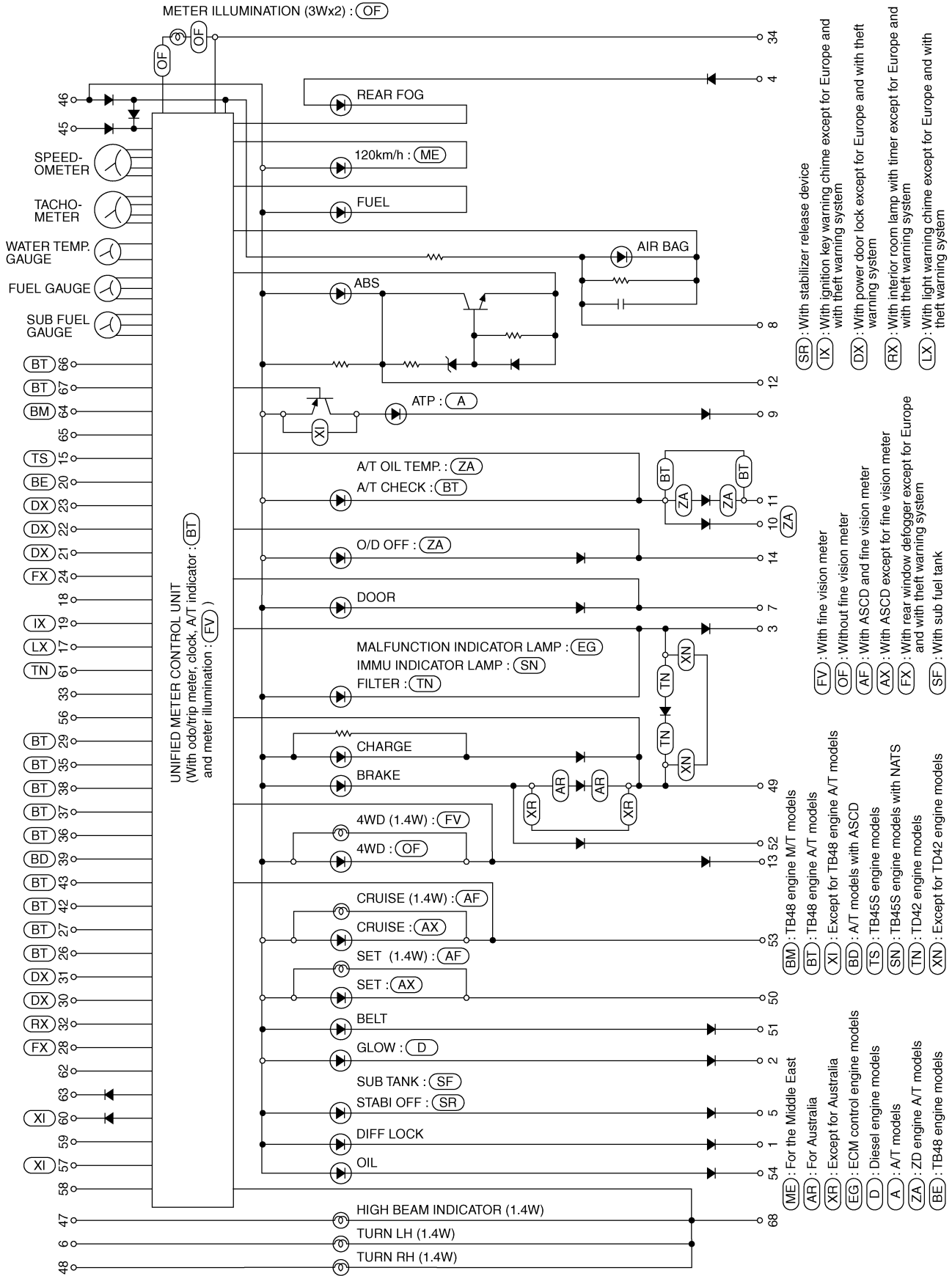
- (ME) : For the Middle East
- (A) : A/T models
- (BT) : TB48 engine A/T models
- (ZA) : ZD engine A/T models
- (SF) : With sub fuel tank
- (OS) : Without sub fuel tank
- (FV) : With fine vision meter
- (OF) : Without fine vision meter
- (XA) : Except for Australia
- (D) : Diesel engine models
- (EG) : ECM control engine models
- (TD) : TD engine models
- (AD) : With ASCD

Bulb socket color	Bulb wattage
Brown	1.4W
Black	3.0W

( ) : Warning bulb socket color

# METER AND GAUGES/WAGON AND HARDTOP MODELS

## Schematic



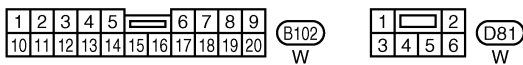
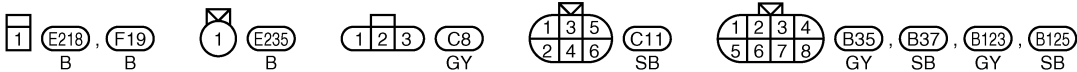
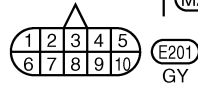
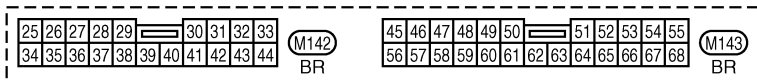
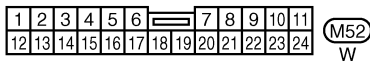
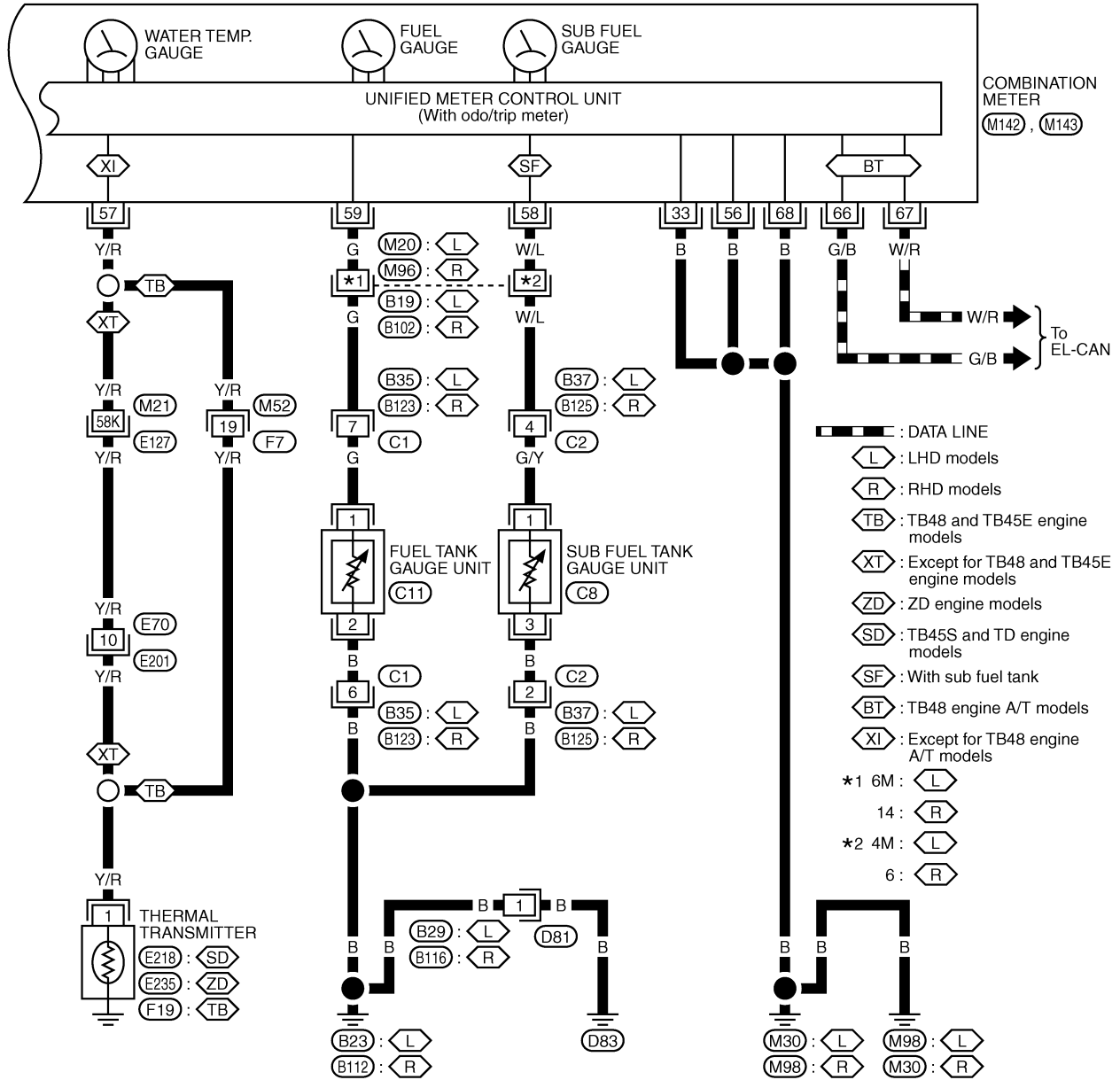
GI  
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# METER AND GAUGES/WAGON AND HARDTOP MODELS

## Wiring Diagram — METER — (Cont'd)

EL-METER-02



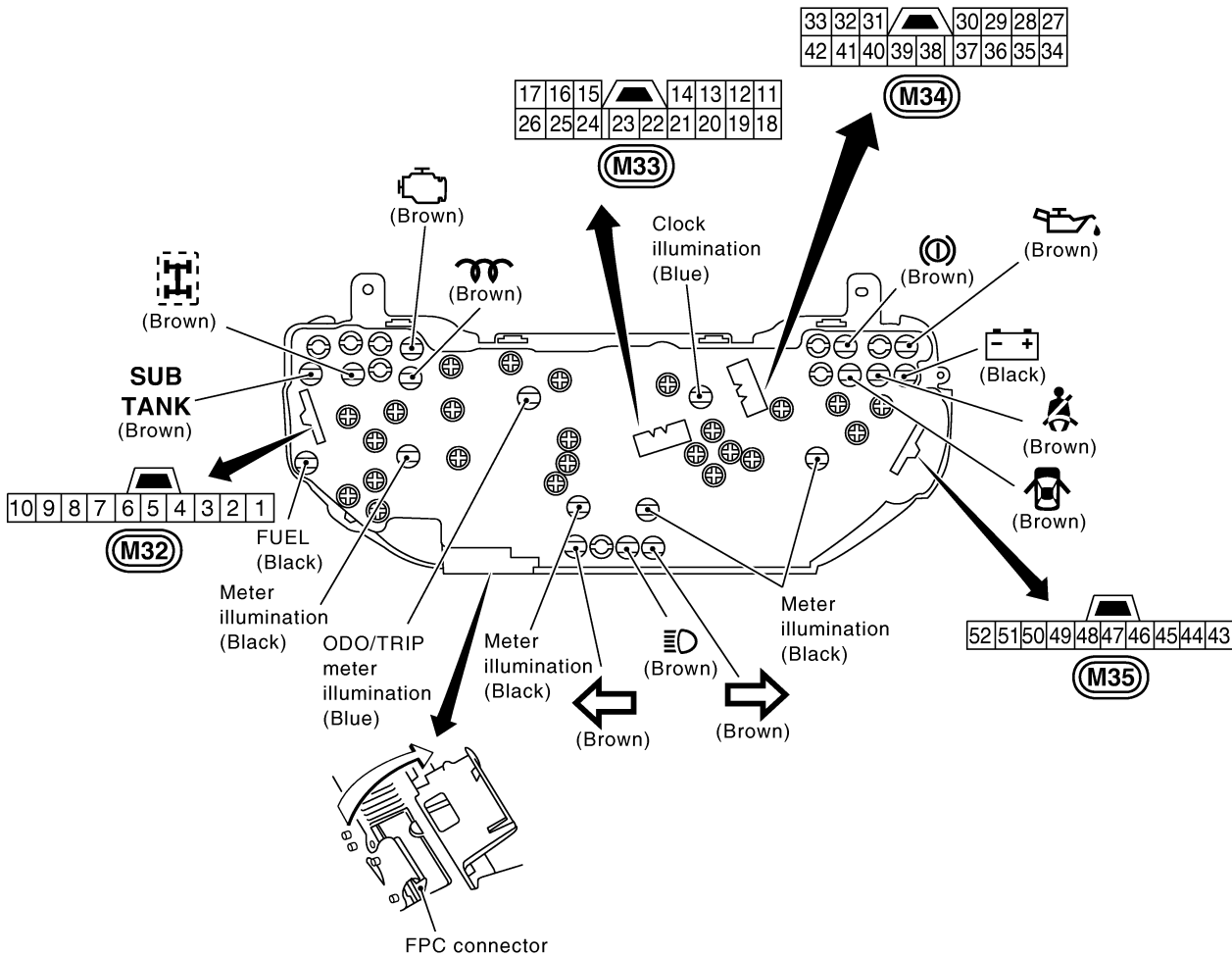
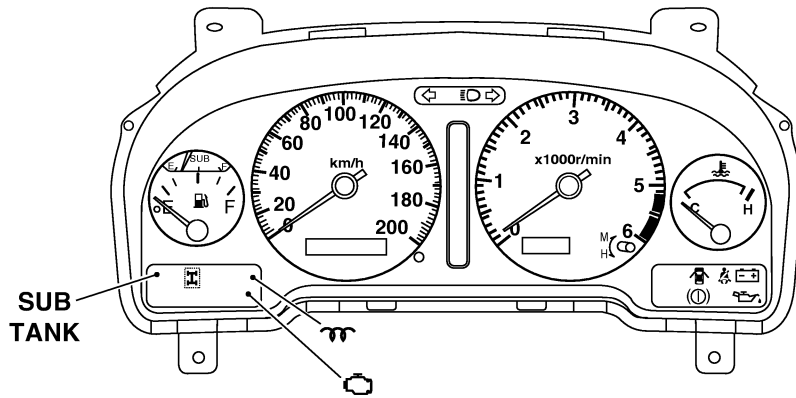
Refer to last page (Foldout page).

M20, B19  
M21, E127

GI  
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# METER AND GAUGES/PICKUP MODELS

## Combination Meter

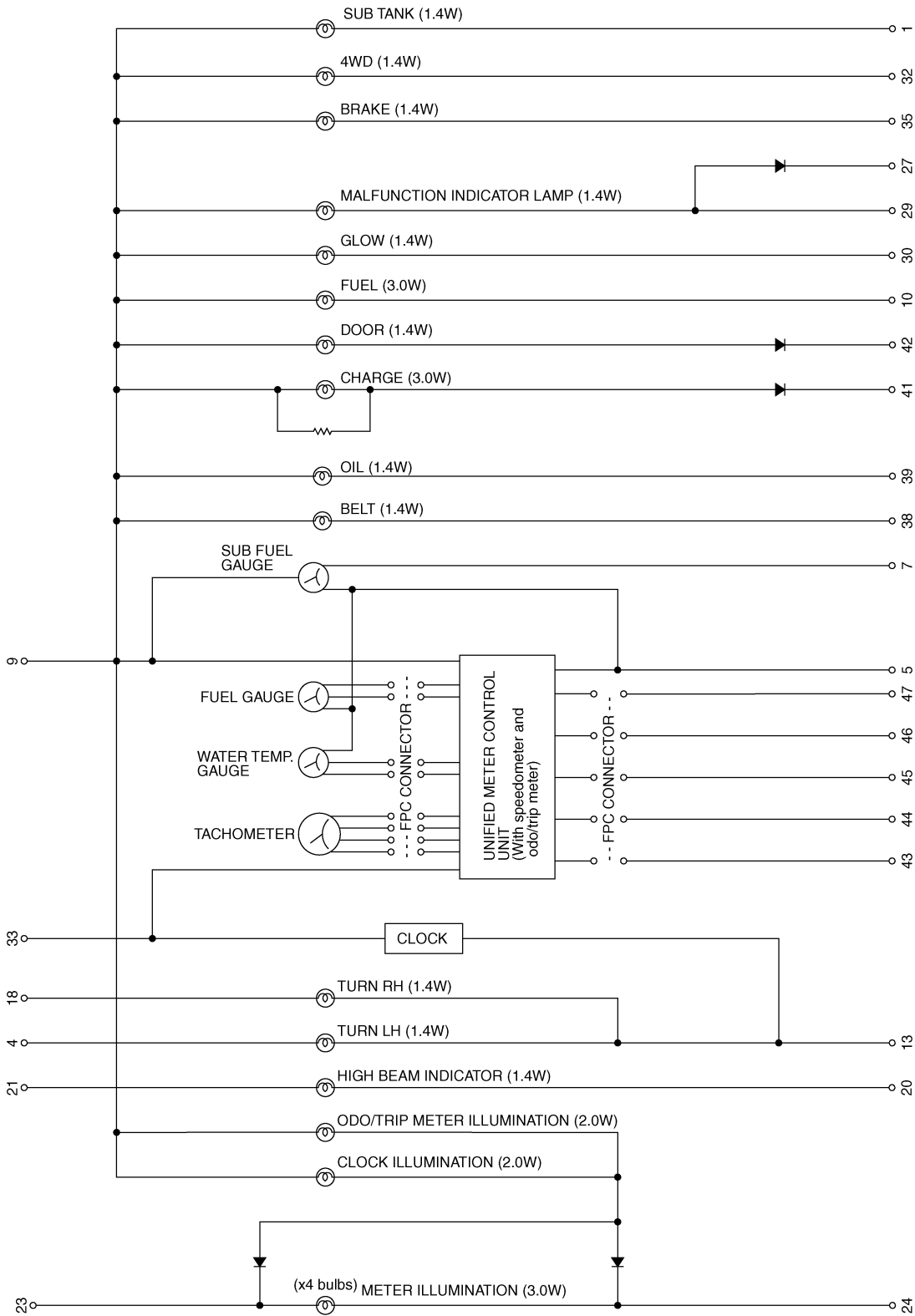


Bulb socket color	Bulb wattage
Brown	1.4W
Blue	2.0W
Black	3.0W

( ) : Warning bulb socket color

# METER AND GAUGES/PICKUP MODELS

## Schematic



GI

MA

EM

LC

EC

FE

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**EL**

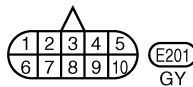
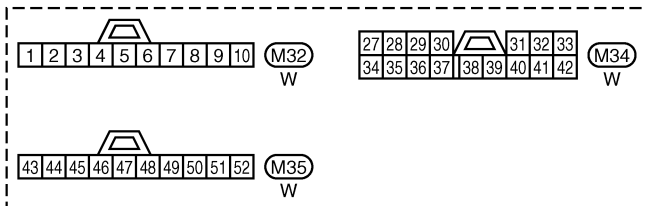
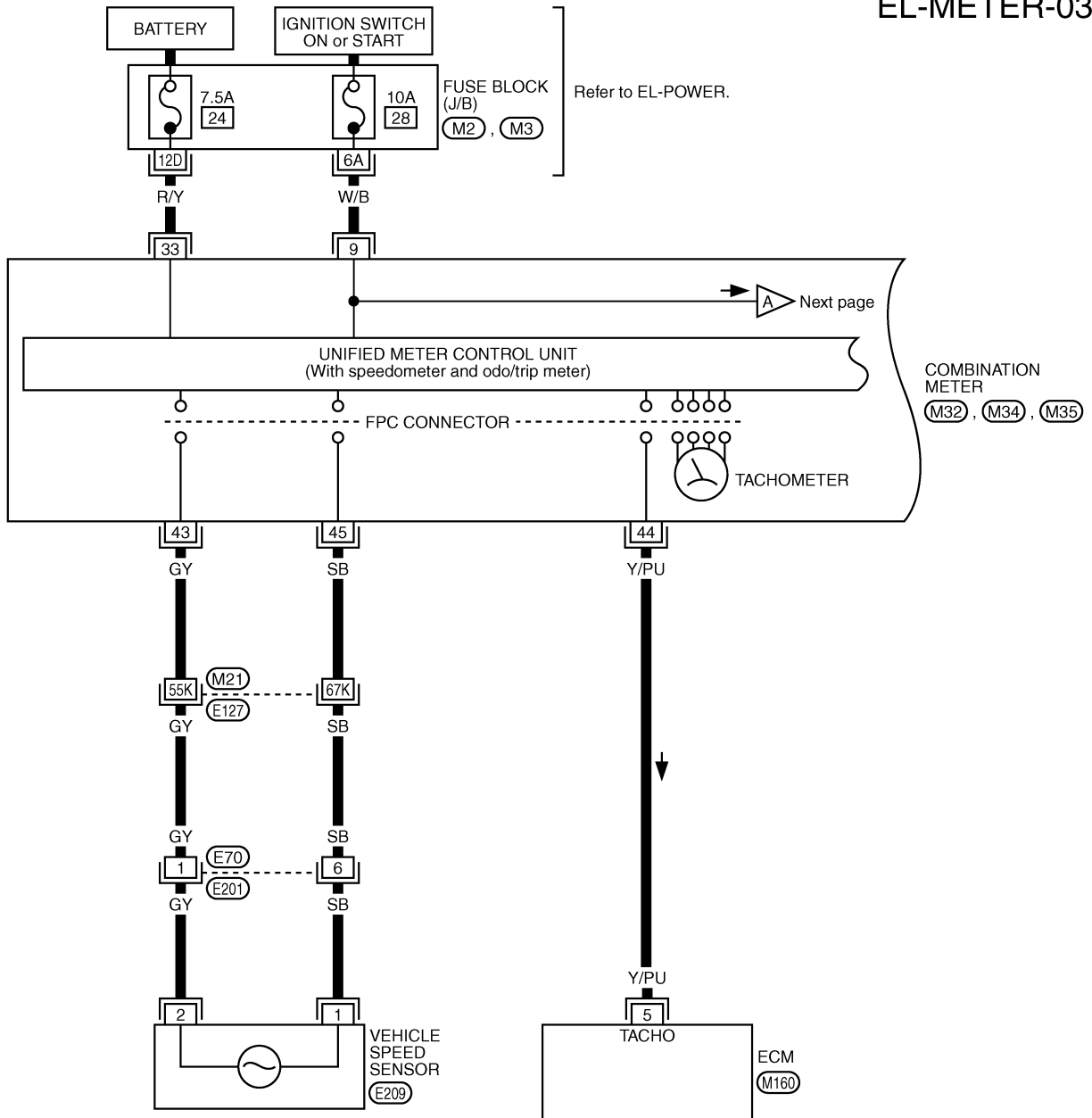
SE

IDX

# METER AND GAUGES/PICKUP MODELS

## Wiring Diagram — METER —

EL-METER-03



Refer to last page (Foldout page).

M21, E127

M2

M3

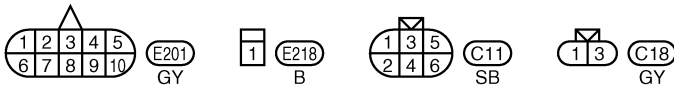
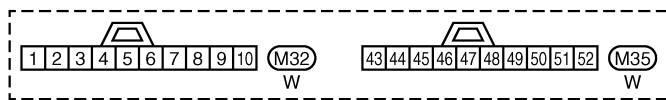
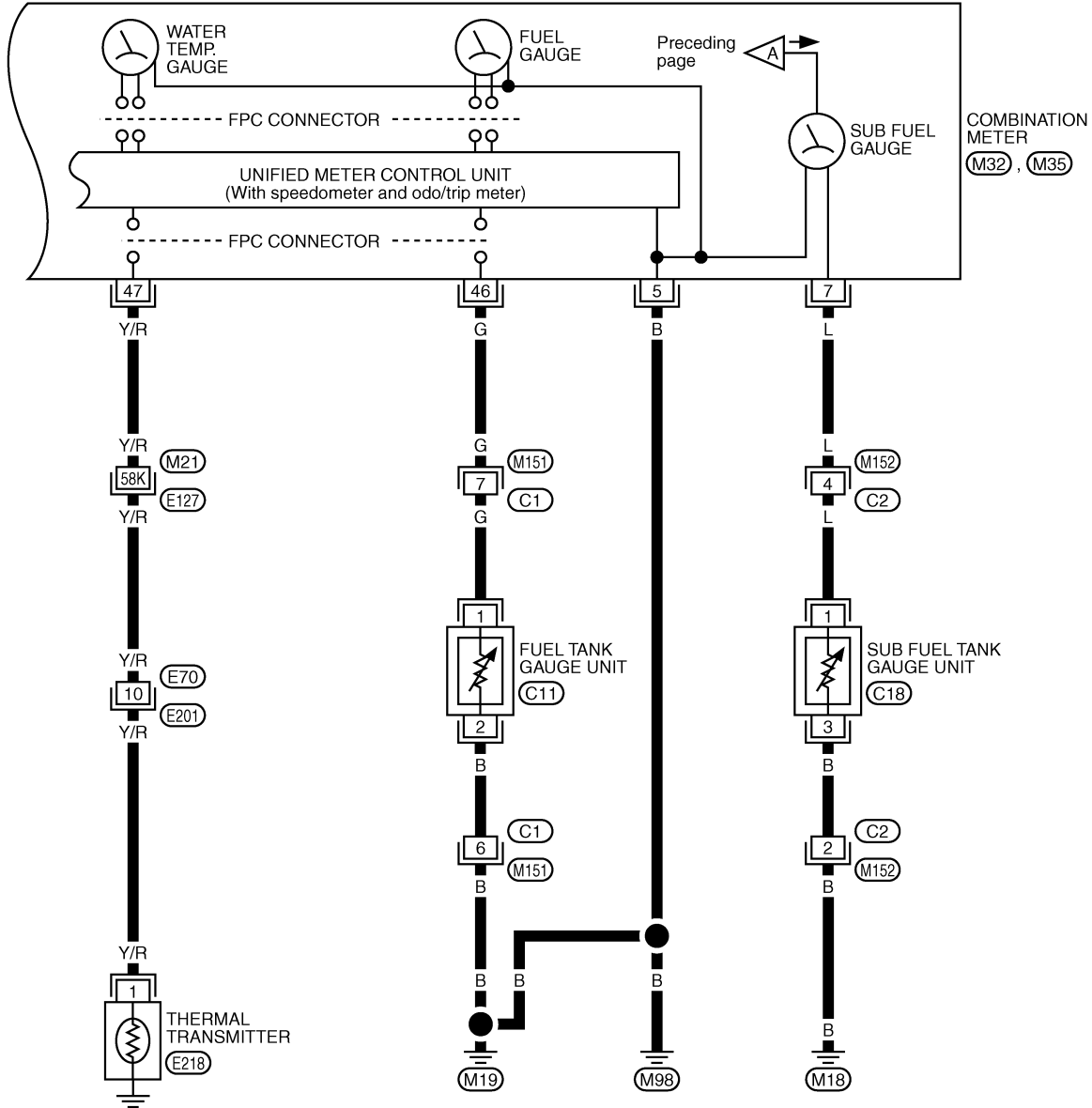
M160



# METER AND GAUGES/PICKUP MODELS

## Wiring Diagram — METER — (Cont'd)

EL-METER-04



Refer to last page (Foldout page).

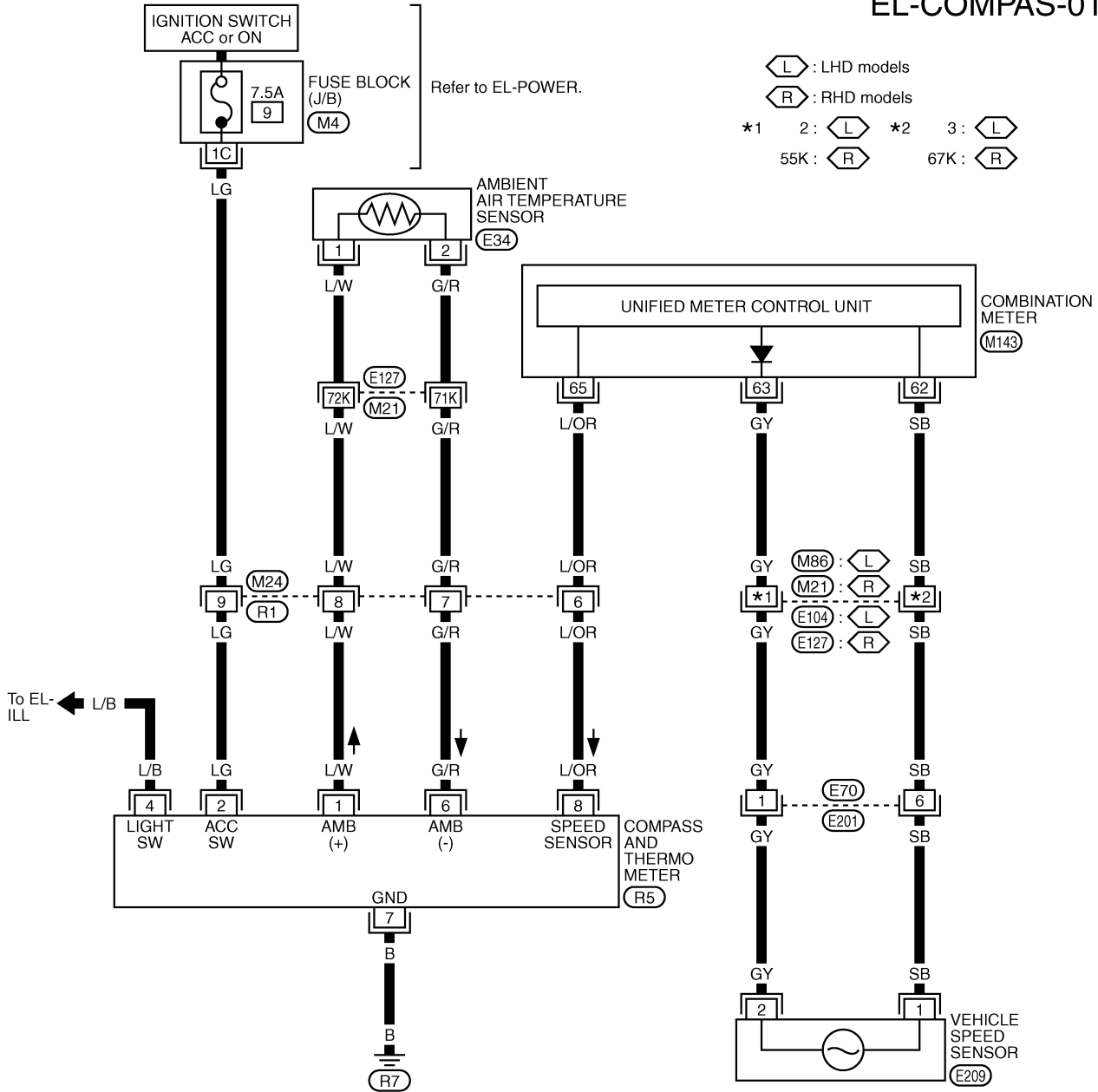
M21, E127

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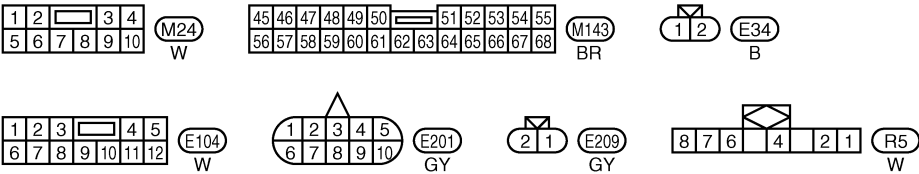
# COMPASS AND THERMOMETER

## Wiring Diagram — COMPAS —

EL-COMPAS-01



(L) : LHD models  
 (R) : RHD models  
 \*1 2: (L) \*2 3: (L)  
 55K: (R) 67K: (R)



Refer to last page (Foldout page).

M21, E127  
M4

# COMPASS AND THERMOMETER

---

NOTE

GI

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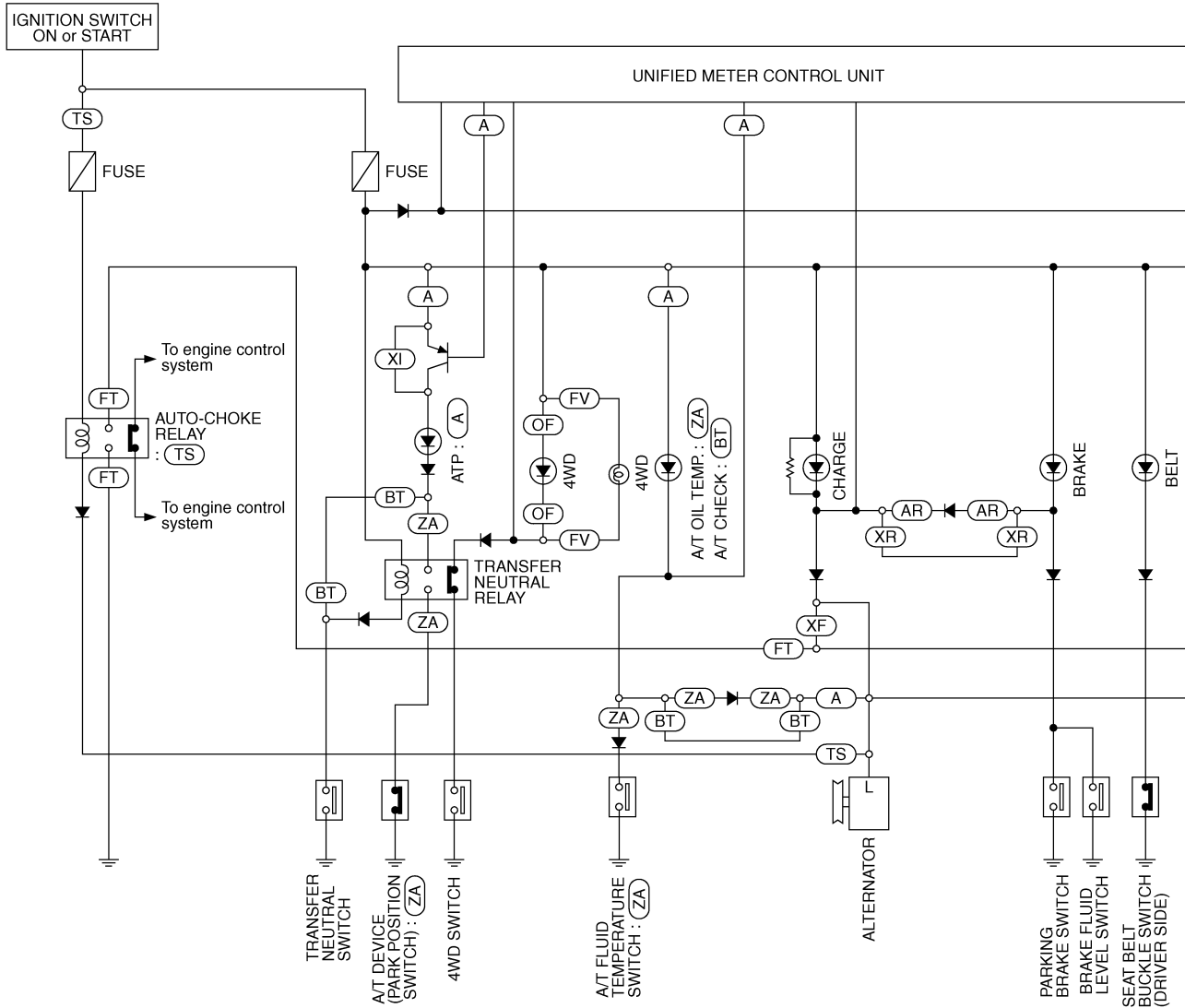
**EL**

SE

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# WARNING LAMPS/WAGON AND HARDTOP MODELS

## Schematic



(ME) : For the Middle East

(AR) : For Australia

(XR) : Except for Australia

(A) : A/T models

(BE) : TB48 engine models

(BT) : TB48 engine A/T models

(ZA) : ZD engine A/T models

(TE) : TB45E engine models

(TS) : TB45S engine models

(SN) : TB45S engine models with NATS

(FT) : TB45S engine models with sub fuel tank

(XF) : With sub fuel tank except for TB45S engine models

(XI) : Except for TB48 engine A/T models

(TN) : TD42 engine models

(XN) : Except for TD42 engine models

(TL) : TD42 engine models for cold areas

(XL) : TD42 engine models except for cold areas

(EA) : ZD engine models for Europe and Australia

(XZ) : Except for ZD engine models for Europe and Australia

(EG) : ECM control engine models

(ET) : ECM control engine models and TB45S engine models with NATS

(D) : Diesel engine models

(DZ) : ZD engine models except for Europe and TD engine models

(WG) : Wagon models

(AB) : With air bag

(OB) : Without air bag

(AS) : With ABS

(OA) : Without ABS

(AM) : With A/T mode switch

(OM) : Without A/T mode switch

(FV) : With fine vision meter

(OF) : Without fine vision meter

(SF) : With sub fuel tank

(SR) : With stabilizer release device

\*1 18 : (D)

32 : (TE)

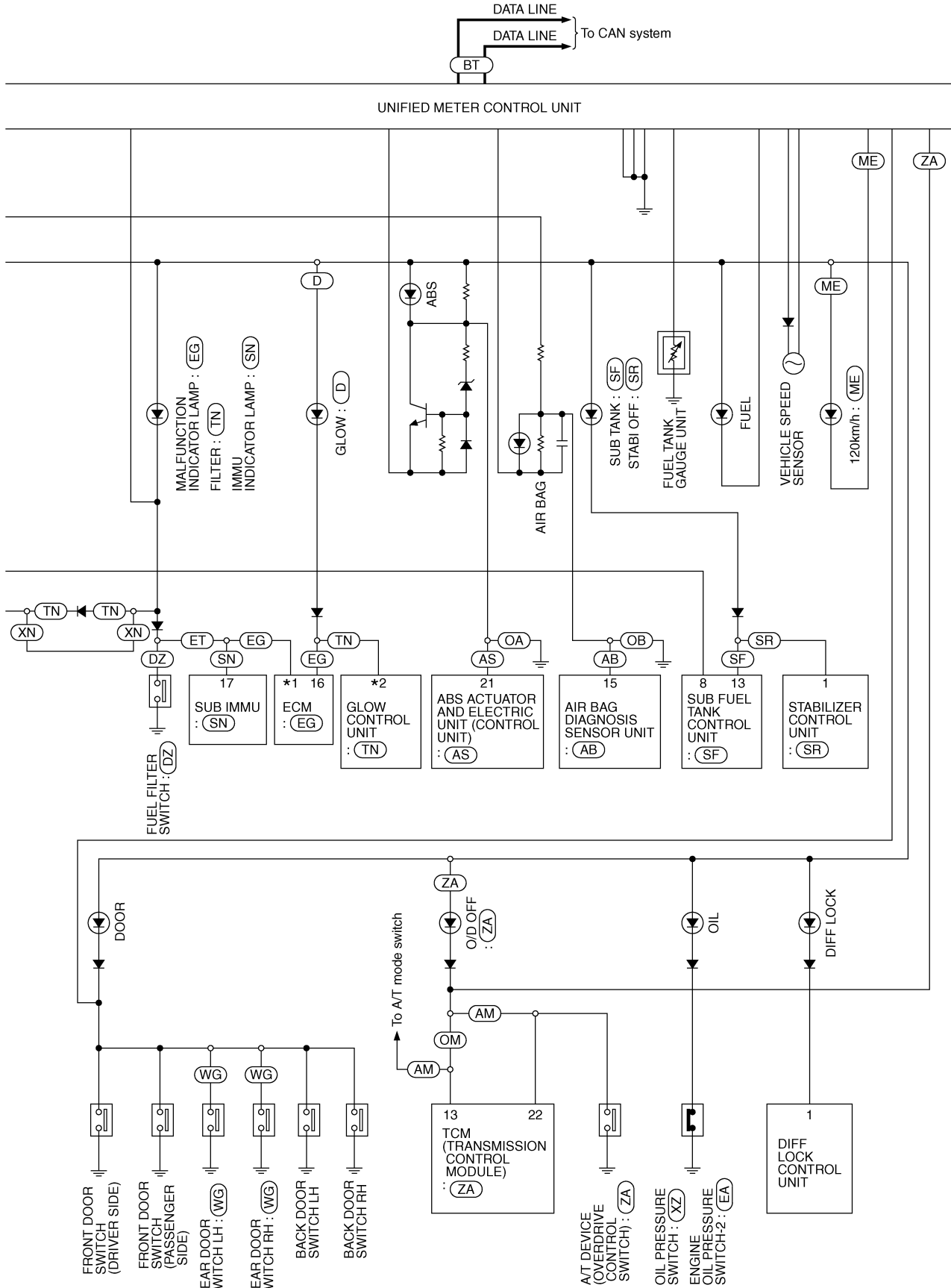
35 : (BE)

\*2 3 : (XL)

14 : (TL)

# WARNING LAMPS/WAGON AND HARDTOP MODELS

## Schematic (Cont'd)

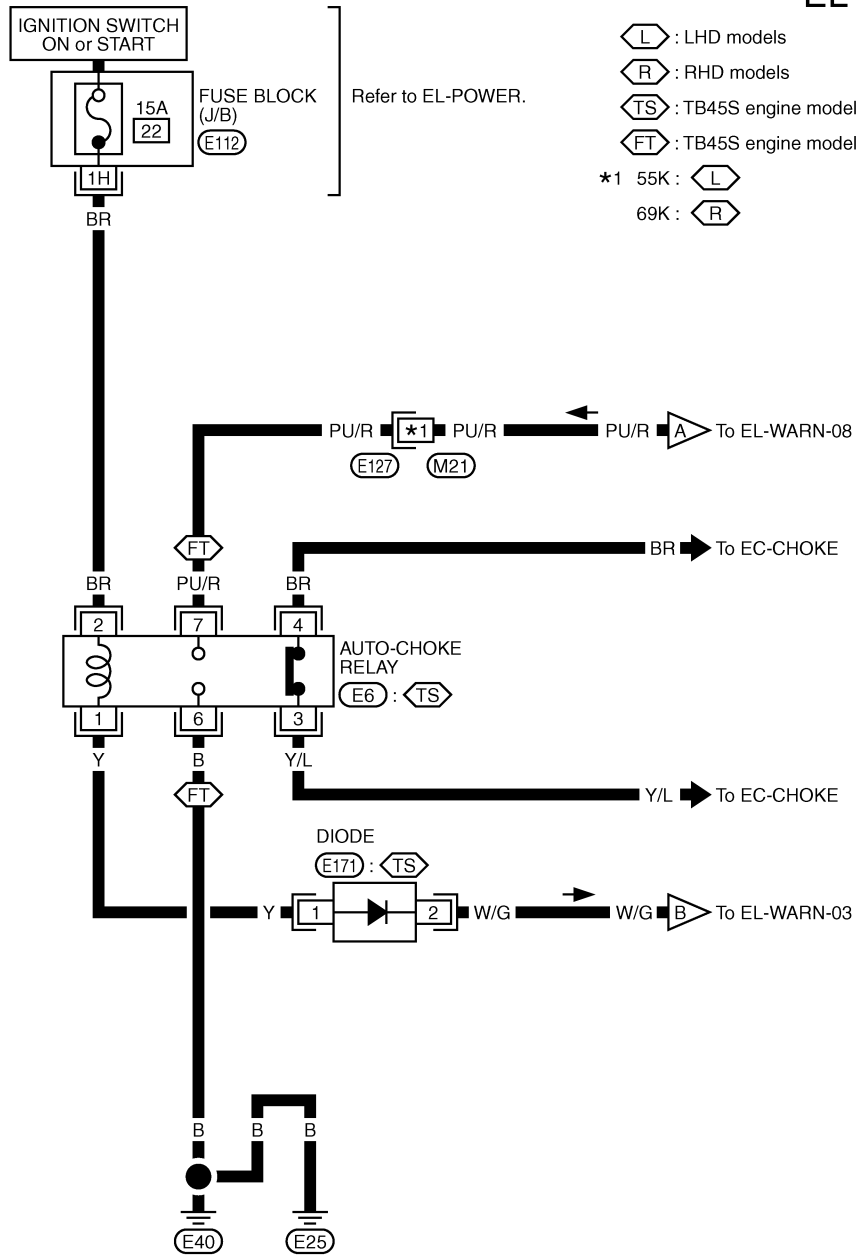


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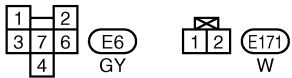
# WARNING LAMPS/WAGON AND HARDTOP MODELS

## Wiring Diagram — WARN —

EL-WARN-01



- L** : LHD models
- R** : RHD models
- TS** : TB45S engine models
- FT** : TB45S engine models with sub fuel tank
- \*1 55K : **L**
- 69K : **R**



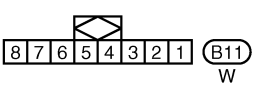
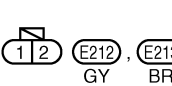
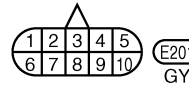
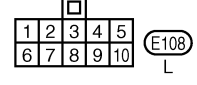
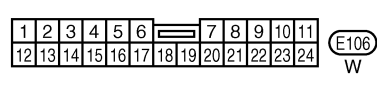
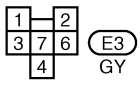
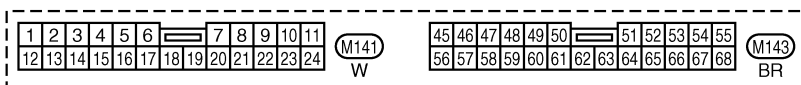
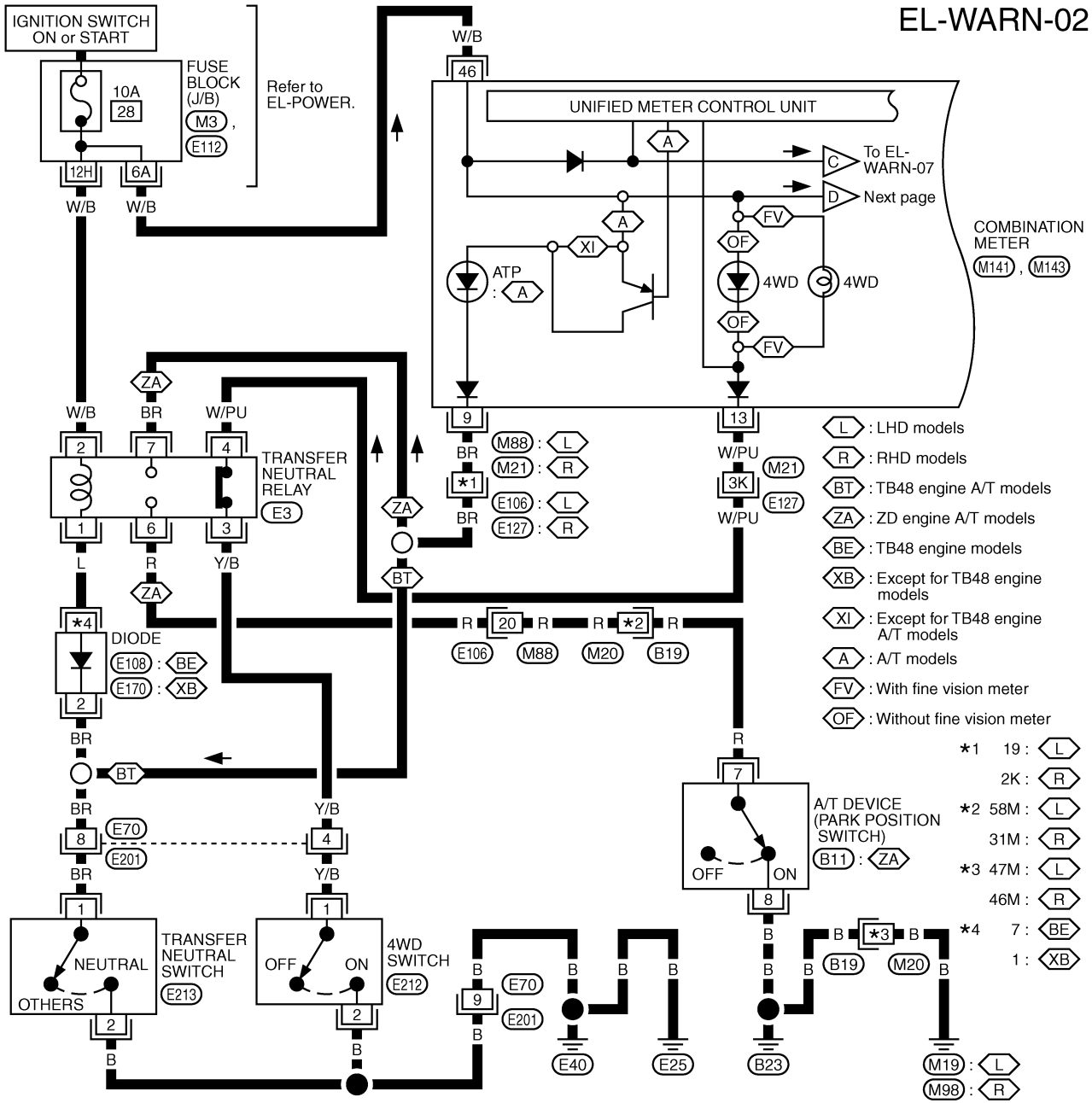
Refer to last page (Foldout page).

- M21**, **E127**
- E112**

# WARNING LAMPS/WAGON AND HARDTOP MODELS

## Wiring Diagram — WARN — (Cont'd)

EL-WARN-02



Refer to last page (Foldout page).

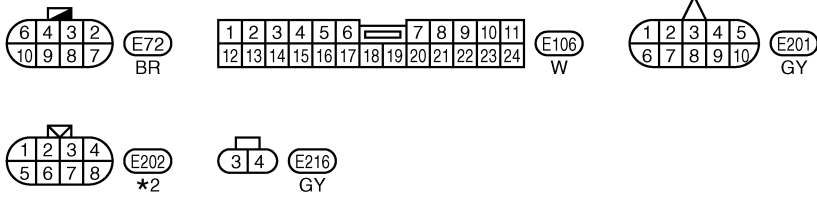
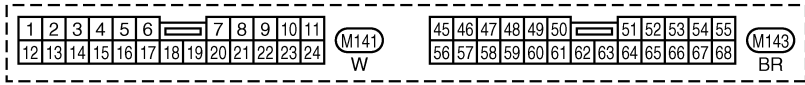
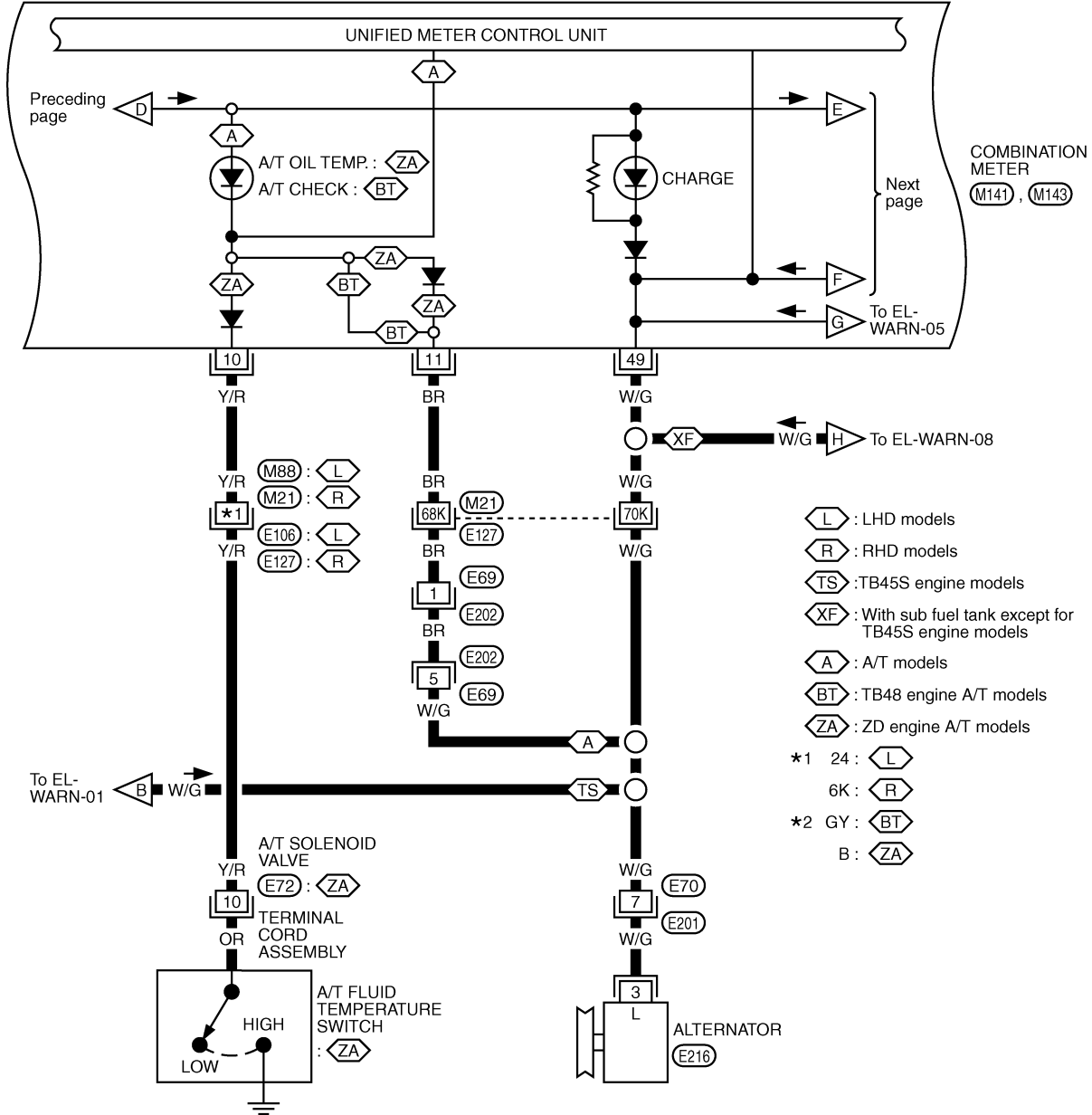
- M20, B19
- M21, E127
- M3
- E112

GI  
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# WARNING LAMPS/WAGON AND HARDTOP MODELS

## Wiring Diagram — WARN — (Cont'd)

EL-WARN-03



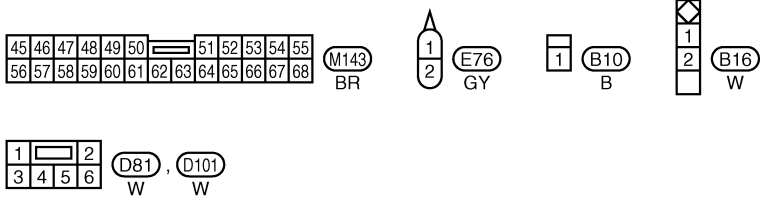
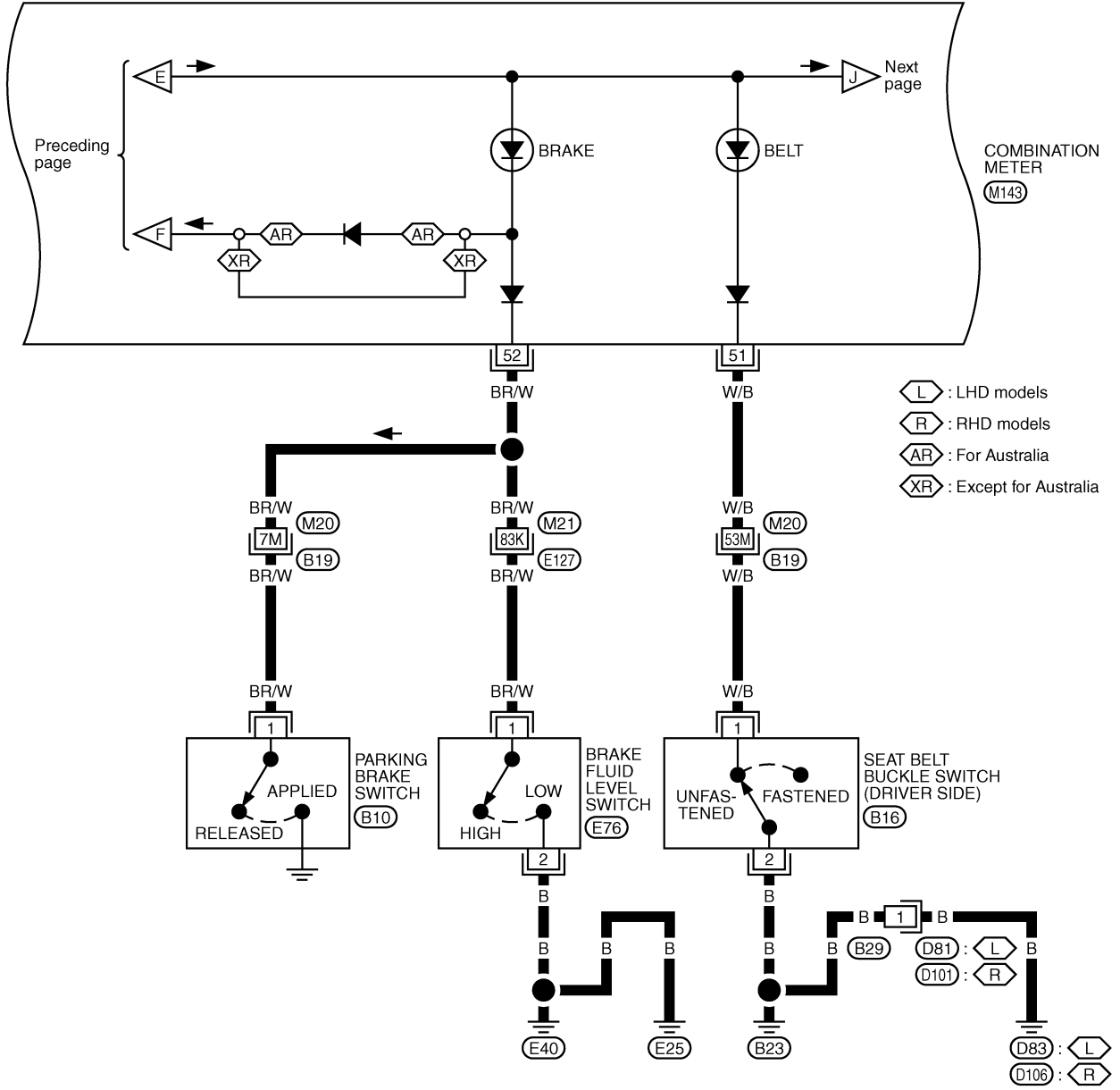
Refer to last page (Foldout page).  
 (M21), (E127)



# WARNING LAMPS/WAGON AND HARDTOP MODELS

## Wiring Diagram — WARN — (Cont'd)

EL-WARN-04



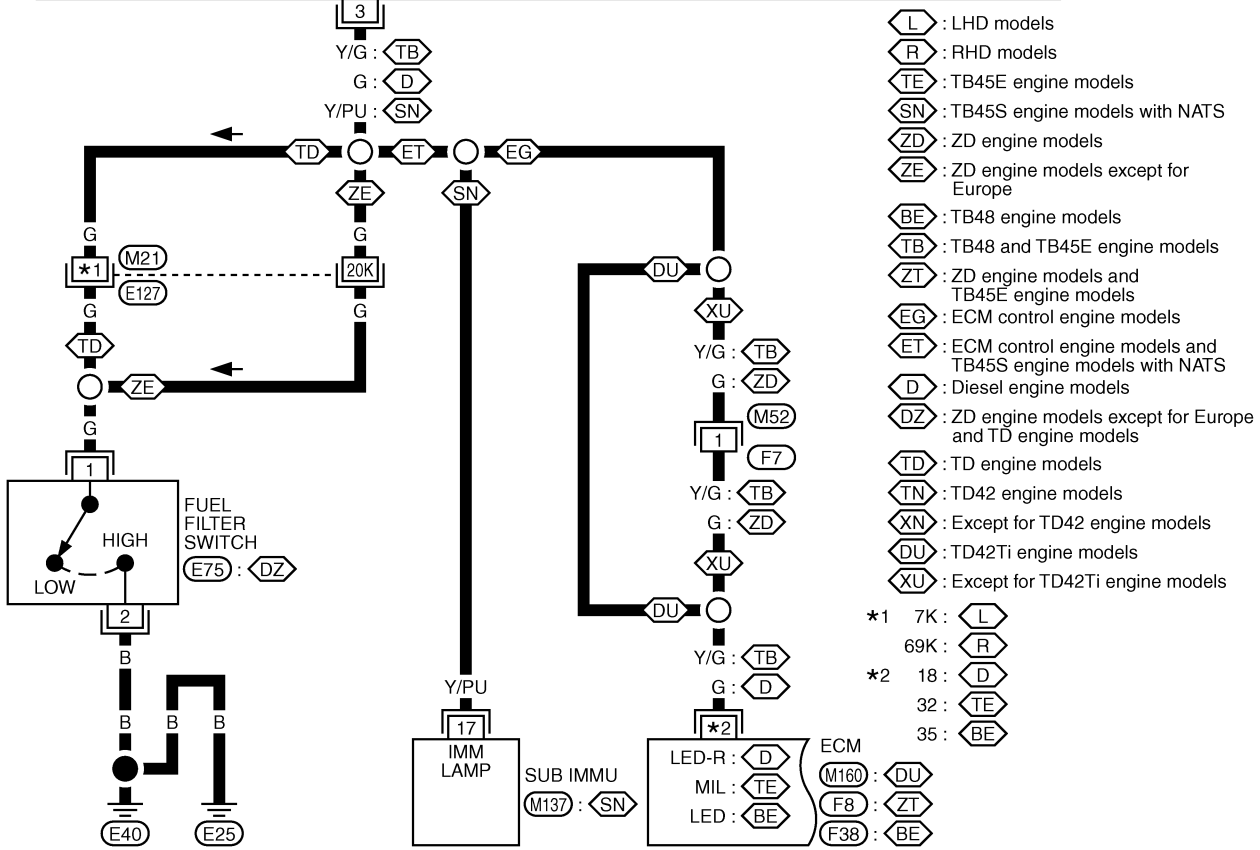
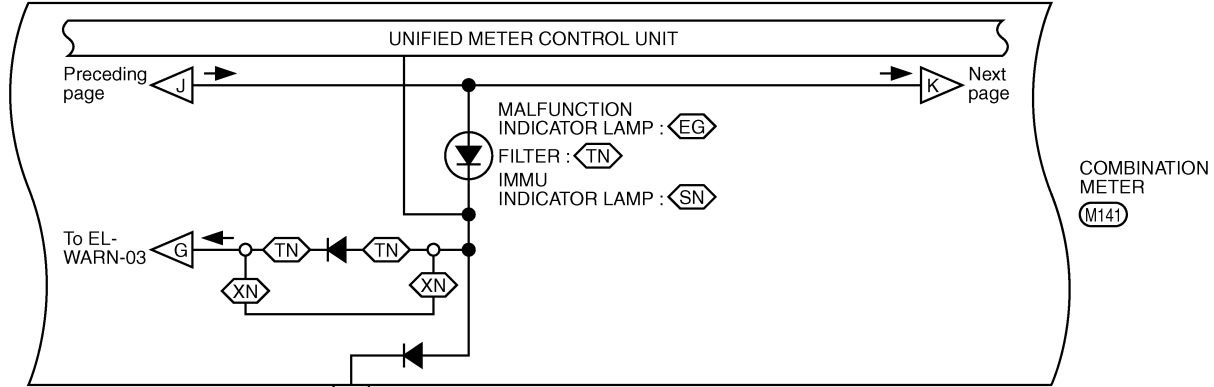
Refer to last page (Foldout page).  
 M20, B19  
 M21, E127

GI  
 MA  
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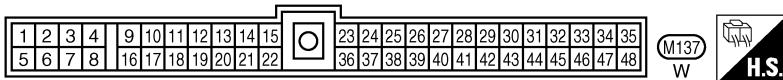
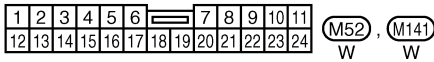
# WARNING LAMPS/WAGON AND HARDTOP MODELS

## Wiring Diagram — WARN — (Cont'd)

EL-WARN-05

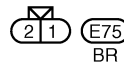


- L : LHD models
  - R : RHD models
  - TE : TB45E engine models
  - SN : TB45S engine models with NATS
  - ZD : ZD engine models
  - ZE : ZD engine models except for Europe
  - BE : TB48 engine models
  - TB : TB48 and TB45E engine models
  - ZT : ZD engine models and TB45E engine models
  - EG : ECM control engine models
  - ET : ECM control engine models and TB45S engine models with NATS
  - D : Diesel engine models
  - DZ : ZD engine models except for Europe and TD engine models
  - TD : TD engine models
  - TN : TD42 engine models
  - XN : Except for TD42 engine models
  - DU : TD42Ti engine models
  - XU : Except for TD42Ti engine models
- \*1 7K : L  
69K : R
- \*2 18 : D  
32 : TE  
35 : BE
- ECM  
M160 : DU  
F8 : ZT  
F38 : BE



Refer to last page (Foldout page).

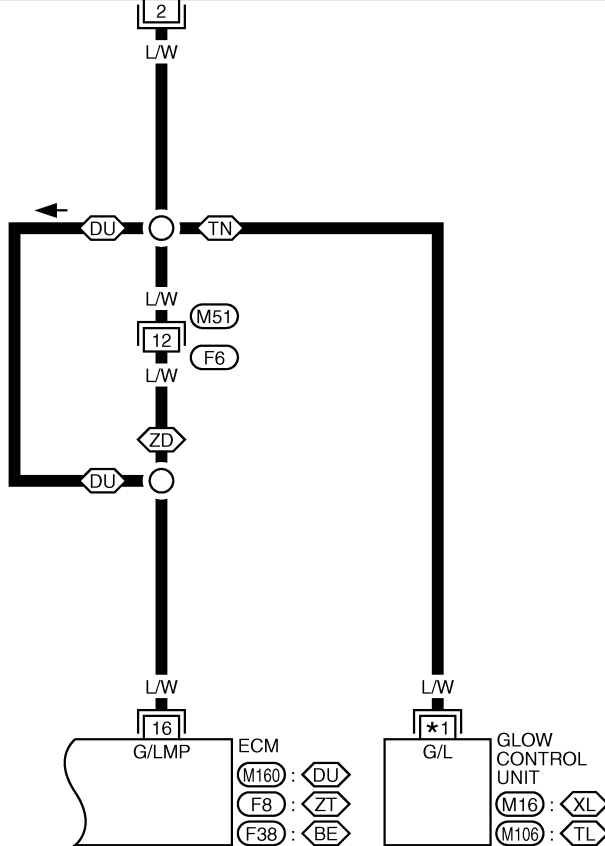
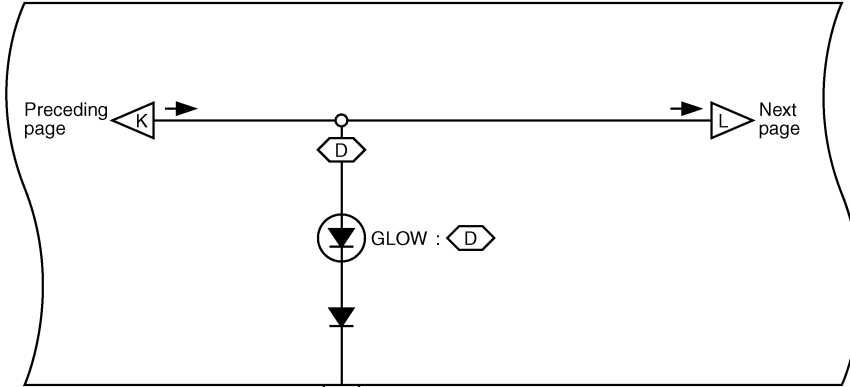
- M21, E127
- M160
- F8
- F38



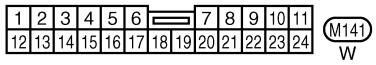
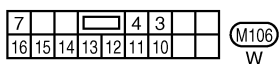
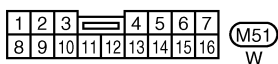
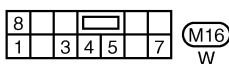
# WARNING LAMPS/WAGON AND HARDTOP MODELS

## Wiring Diagram — WARN — (Cont'd)

EL-WARN-06



- : ZD engine models
- : TB48 engine models
- : ZD engine models and TB45E engine models
- : Diesel engine models
- : TD42 engine models for cold areas
- : TD42 engine models except for cold areas
- : TD42 engine models
- : TD42Ti engine models
- \*1 3:
- 14:



Refer to last page (Foldout page).

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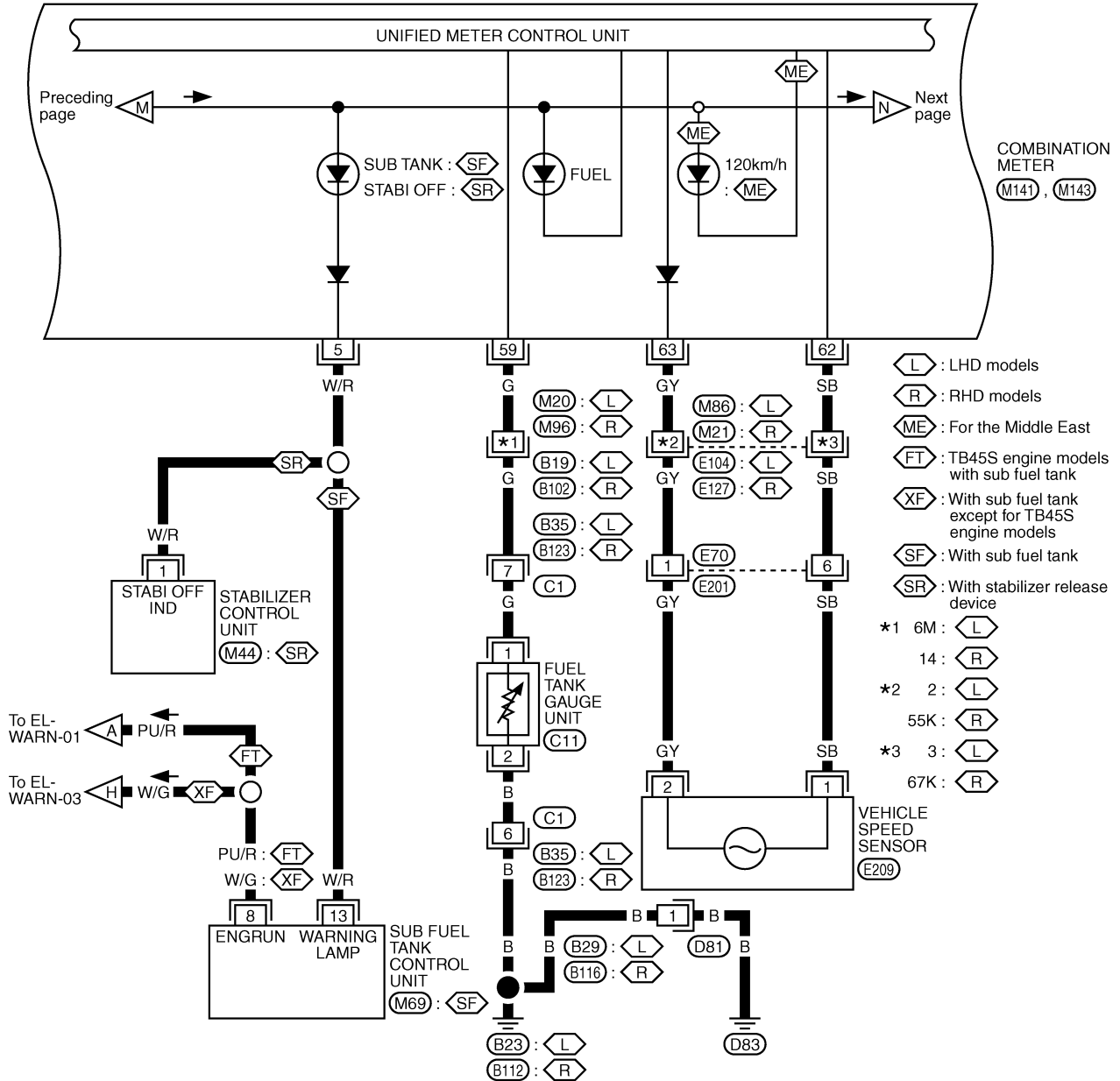
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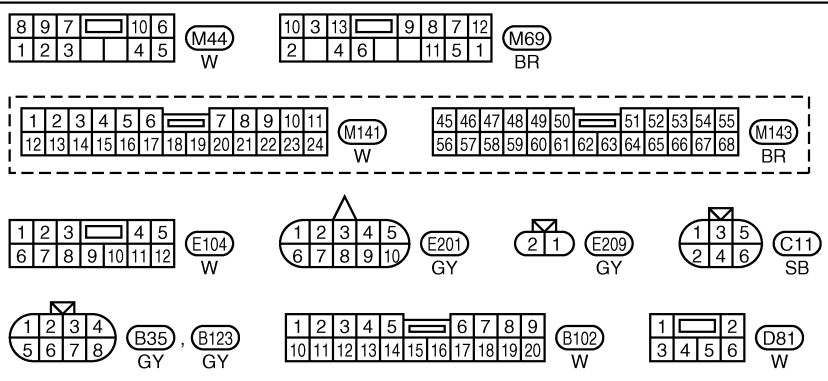
# WARNING LAMPS/WAGON AND HARDTOP MODELS

## Wiring Diagram — WARN — (Cont'd)

EL-WARN-08



Refer to last page (Foldout page).  
 M20, B19  
 M21, E127

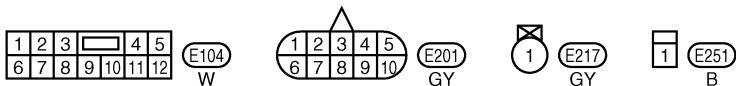
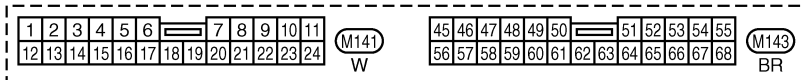
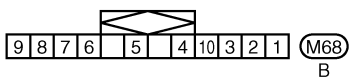
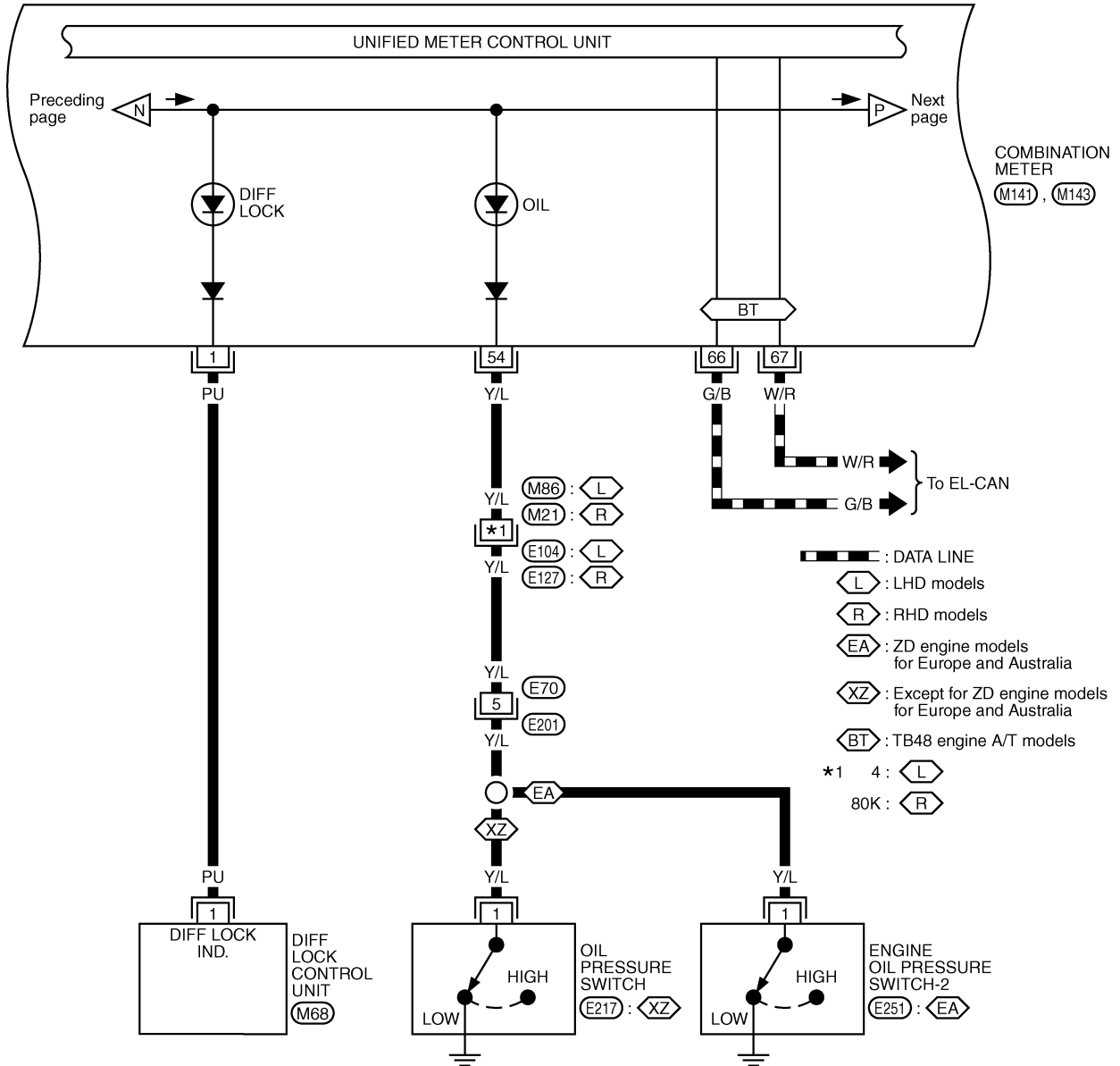


GI  
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 IDX

# WARNING LAMPS/WAGON AND HARDTOP MODELS

## Wiring Diagram — WARN — (Cont'd)

EL-WARN-09

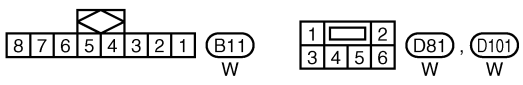
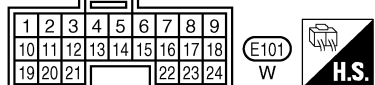
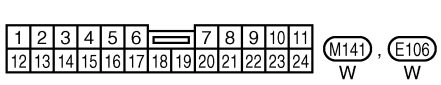
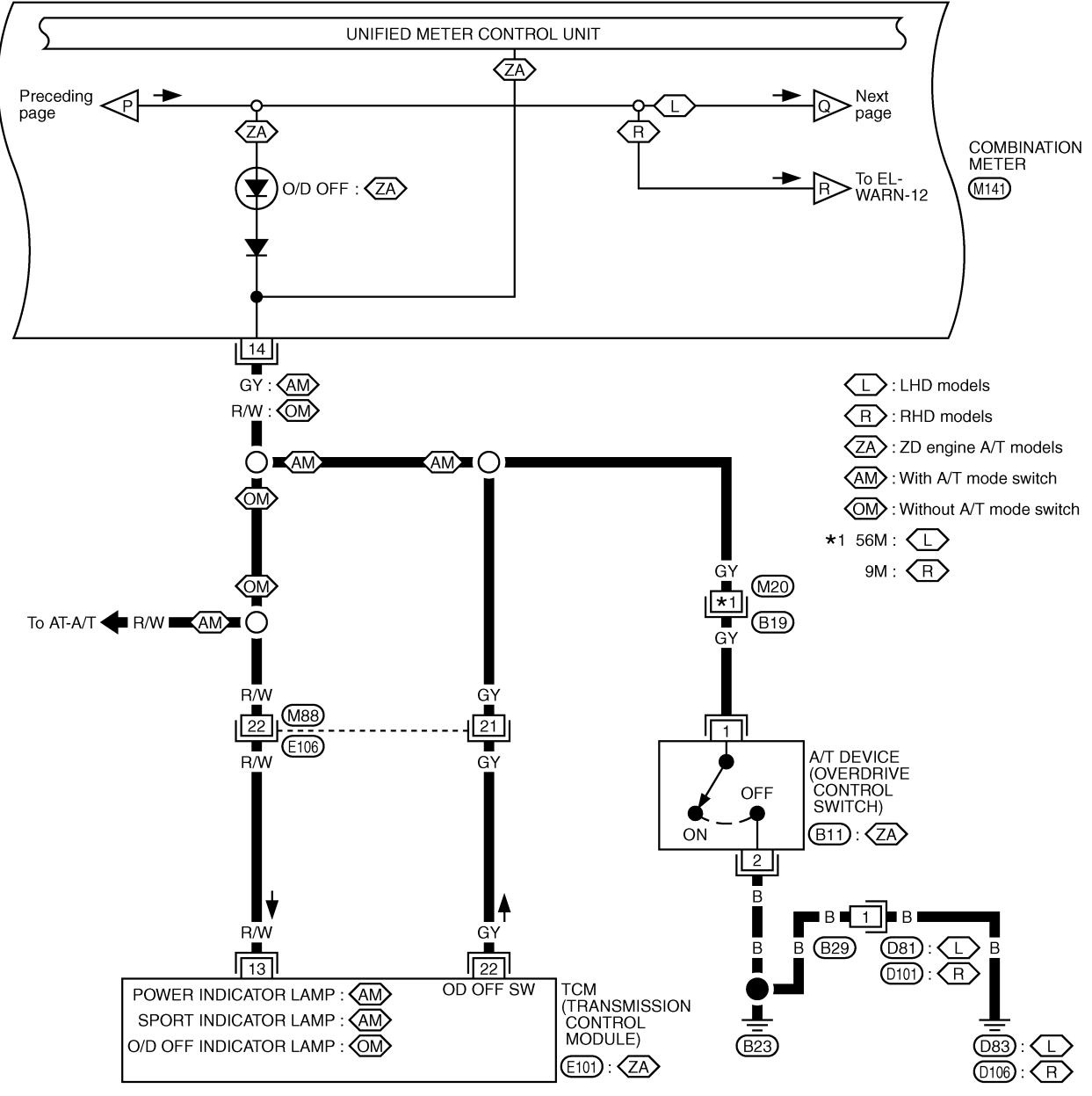


Refer to last page (Foldout page).  
(M21), (E127)

# WARNING LAMPS/WAGON AND HARDTOP MODELS

## Wiring Diagram — WARN — (Cont'd)

EL-WARN-10



Refer to last page (Foldout page).  
M20, B19

GI  
MA  
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IDX





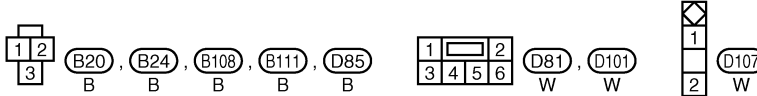
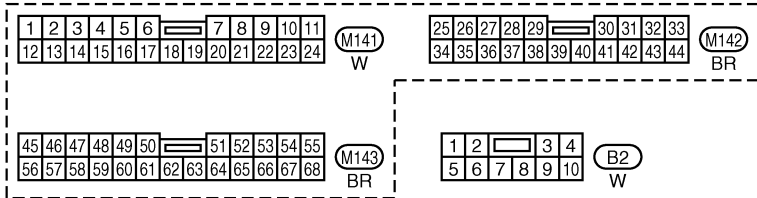
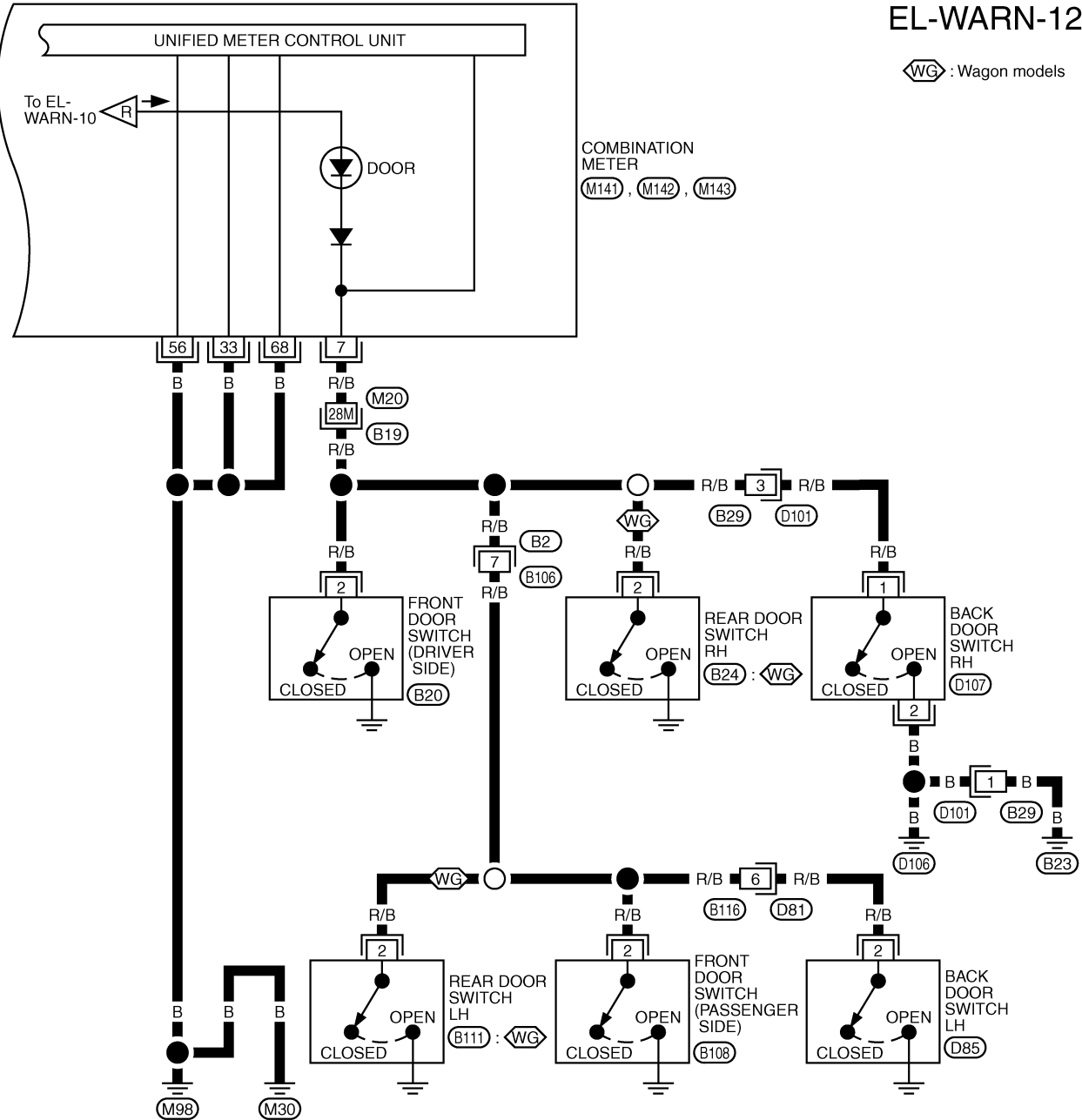
# WARNING LAMPS/WAGON AND HARDTOP MODELS

## Wiring Diagram — WARN — (Cont'd)

RHD MODELS

EL-WARN-12

◊WG◊ : Wagon models



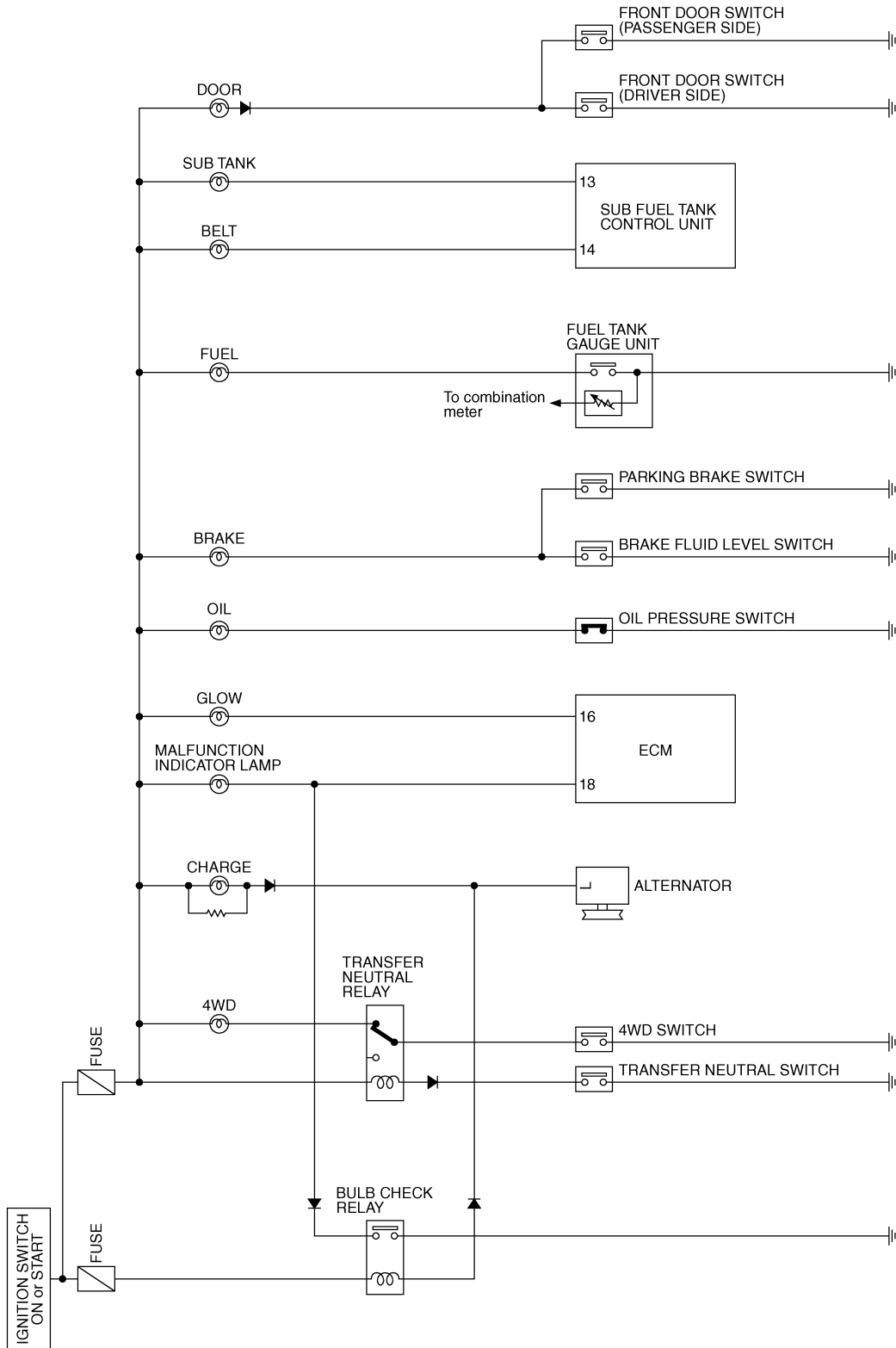
Refer to last page (Foldout page).

M20, B19

GI  
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# WARNING LAMPS/PICKUP MODELS

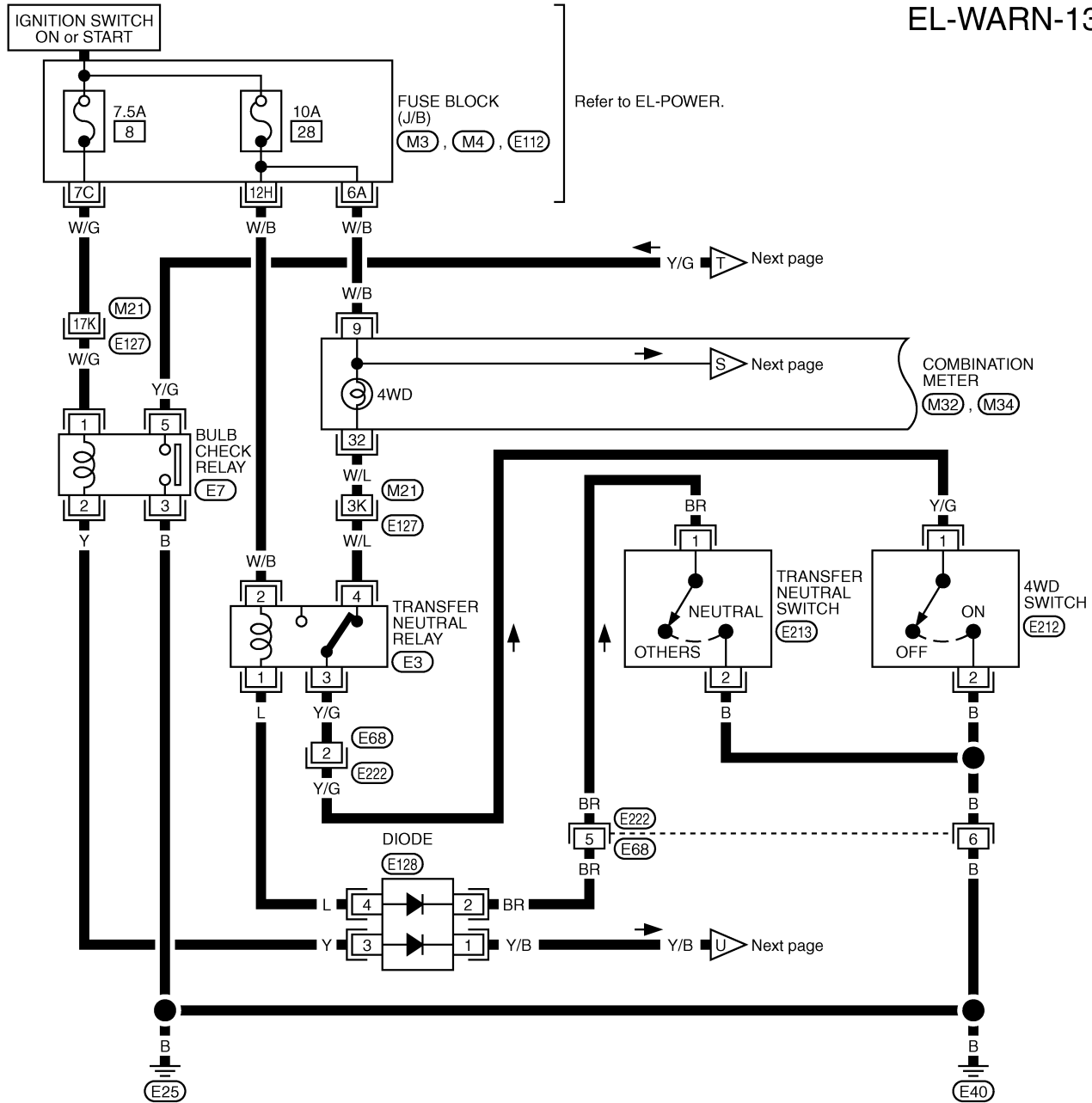
## Schematic



# WARNING LAMPS/PICKUP MODELS

## Wiring Diagram — WARN —/Except for Europe

EL-WARN-13



Refer to EL-POWER.

Next page

Next page

Next page

COMBINATION METER (M32, M34)

TRANSFER NEUTRAL SWITCH (E213)

4WD SWITCH (E212)

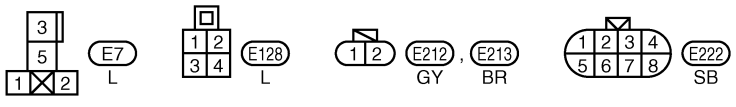
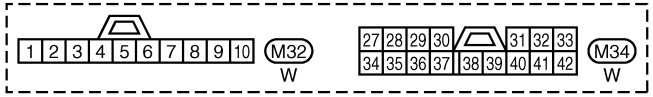
DIODE (E128)

BULB CHECK RELAY (E7)

TRANSFER NEUTRAL RELAY (E3)

IGNITION SWITCH ON or START

FUSE BLOCK (J/B) (M3, M4, E112)



Refer to last page (Foldout page).

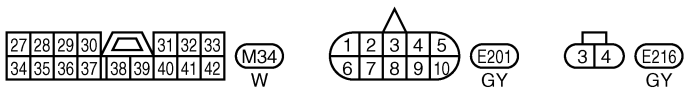
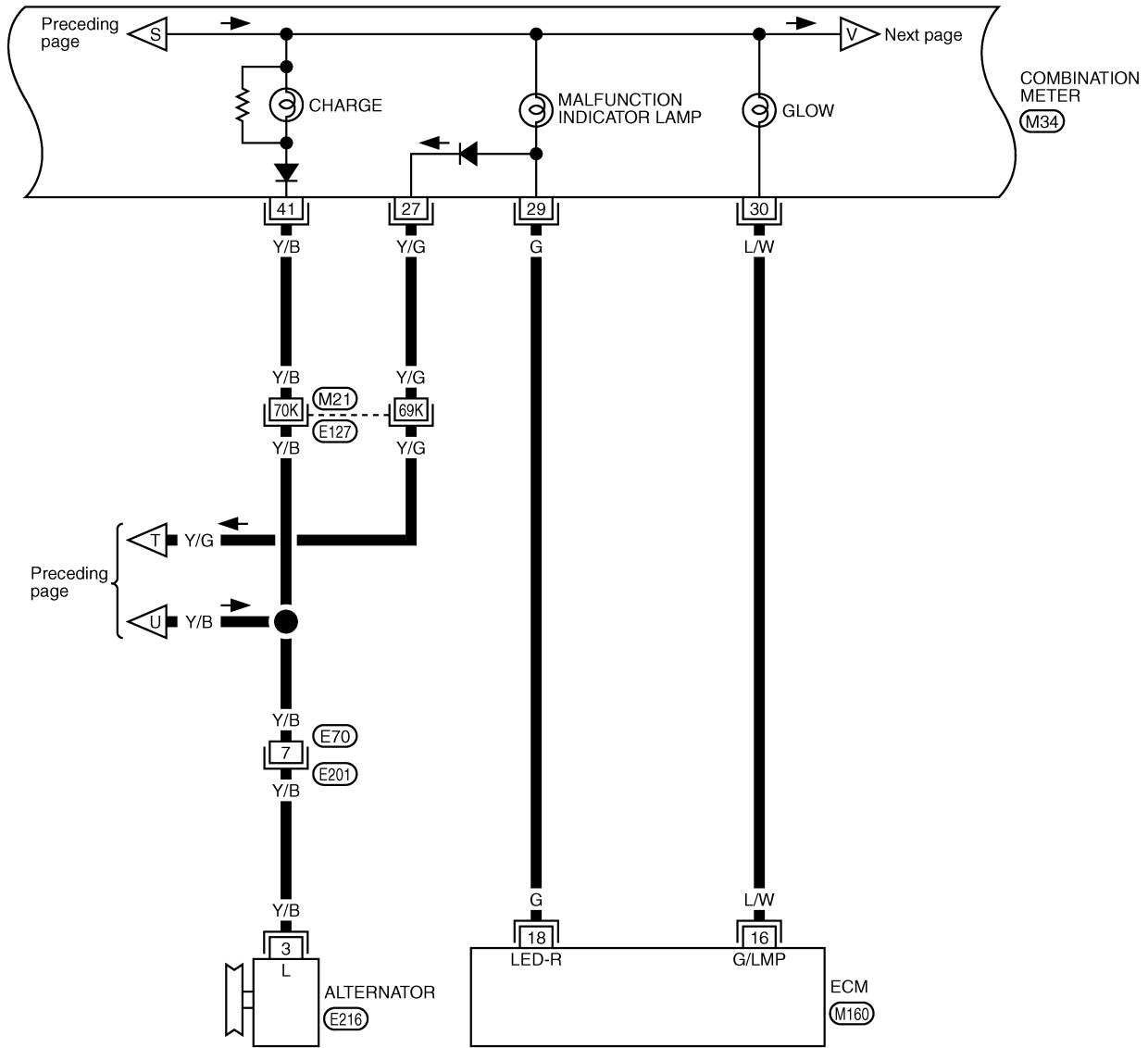
- (M21), (E127)
- (M3)
- (M4)
- (E112)

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# WARNING LAMPS/PICKUP MODELS

## Wiring Diagram — WARN —/Except for Europe (Cont'd)

EL-WARN-14

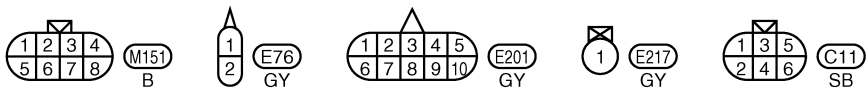
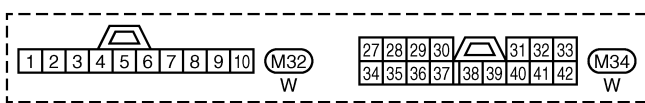
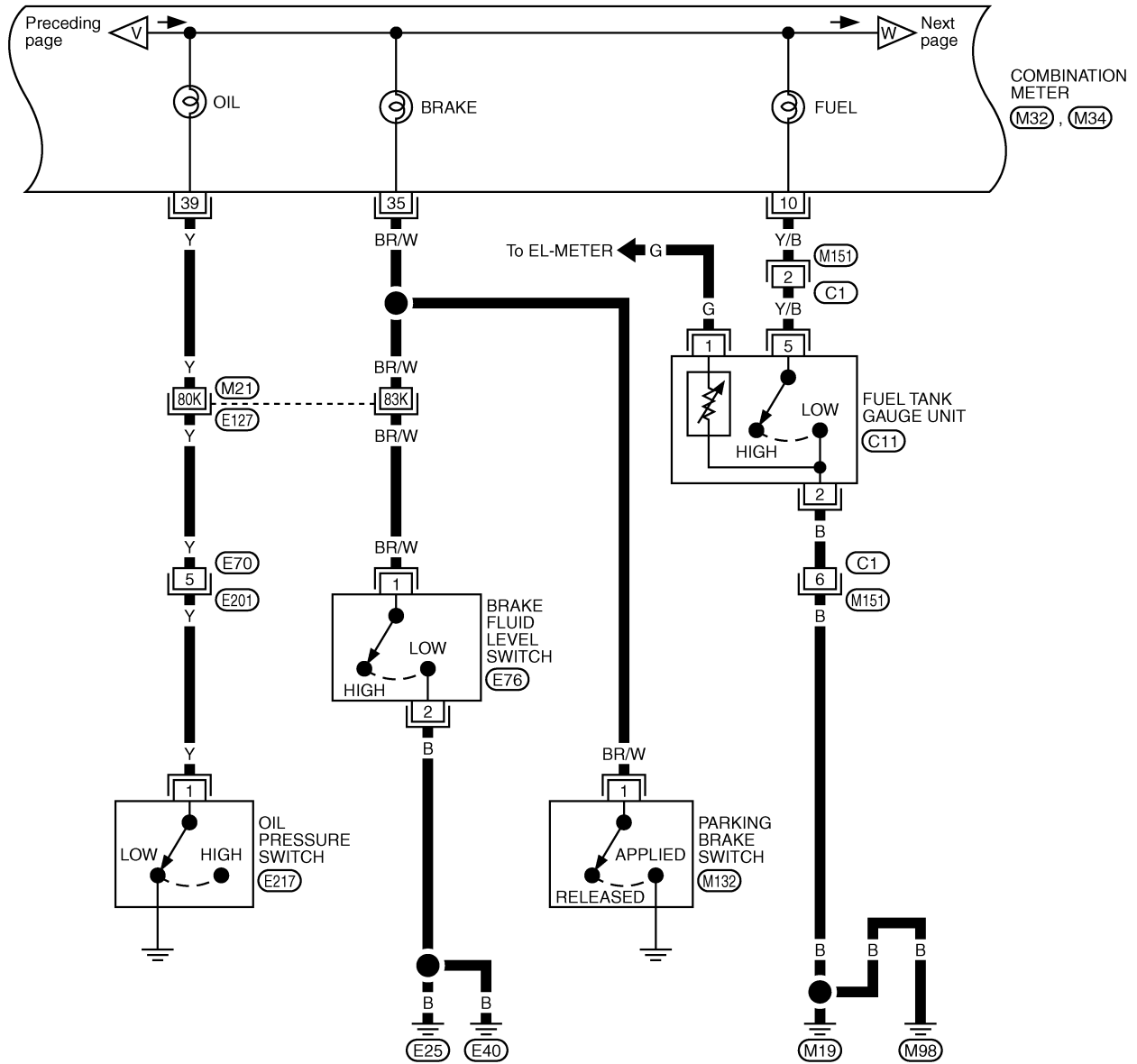


Refer to last page (Foldout page).  
 M21, E127  
 M160

# WARNING LAMPS/PICKUP MODELS

## Wiring Diagram — WARN —/Except for Europe (Cont'd)

EL-WARN-15



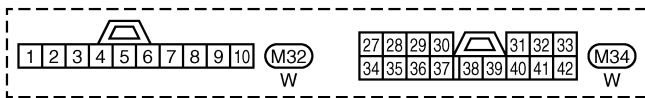
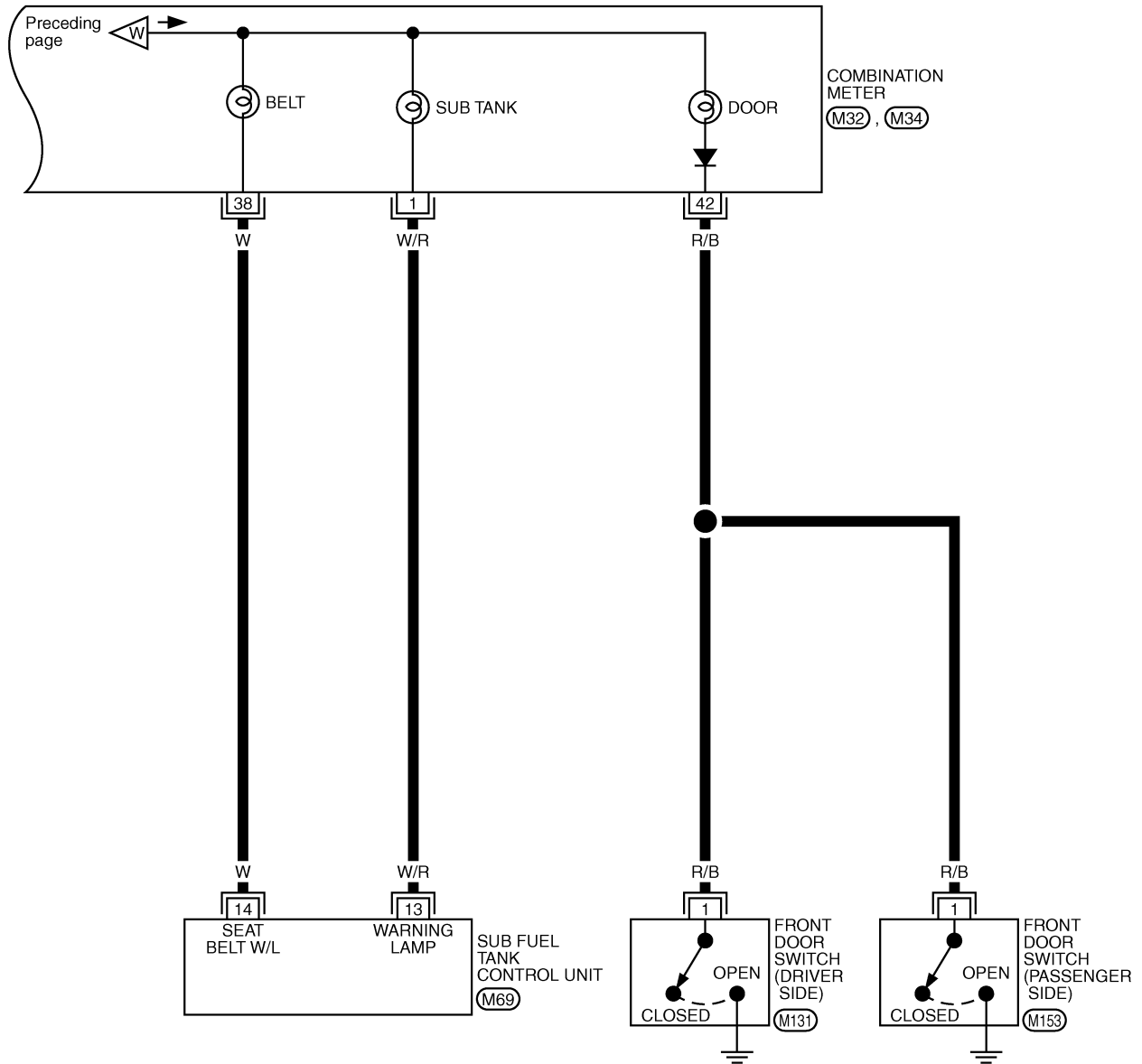
Refer to last page (Foldout page).  
 (M21), (E127)

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# WARNING LAMPS/PICKUP MODELS

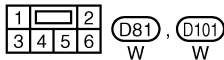
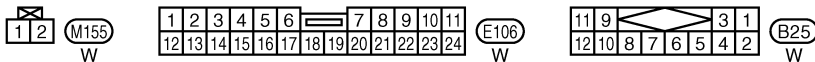
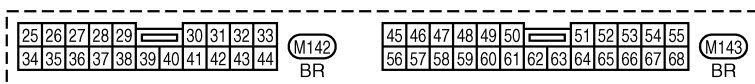
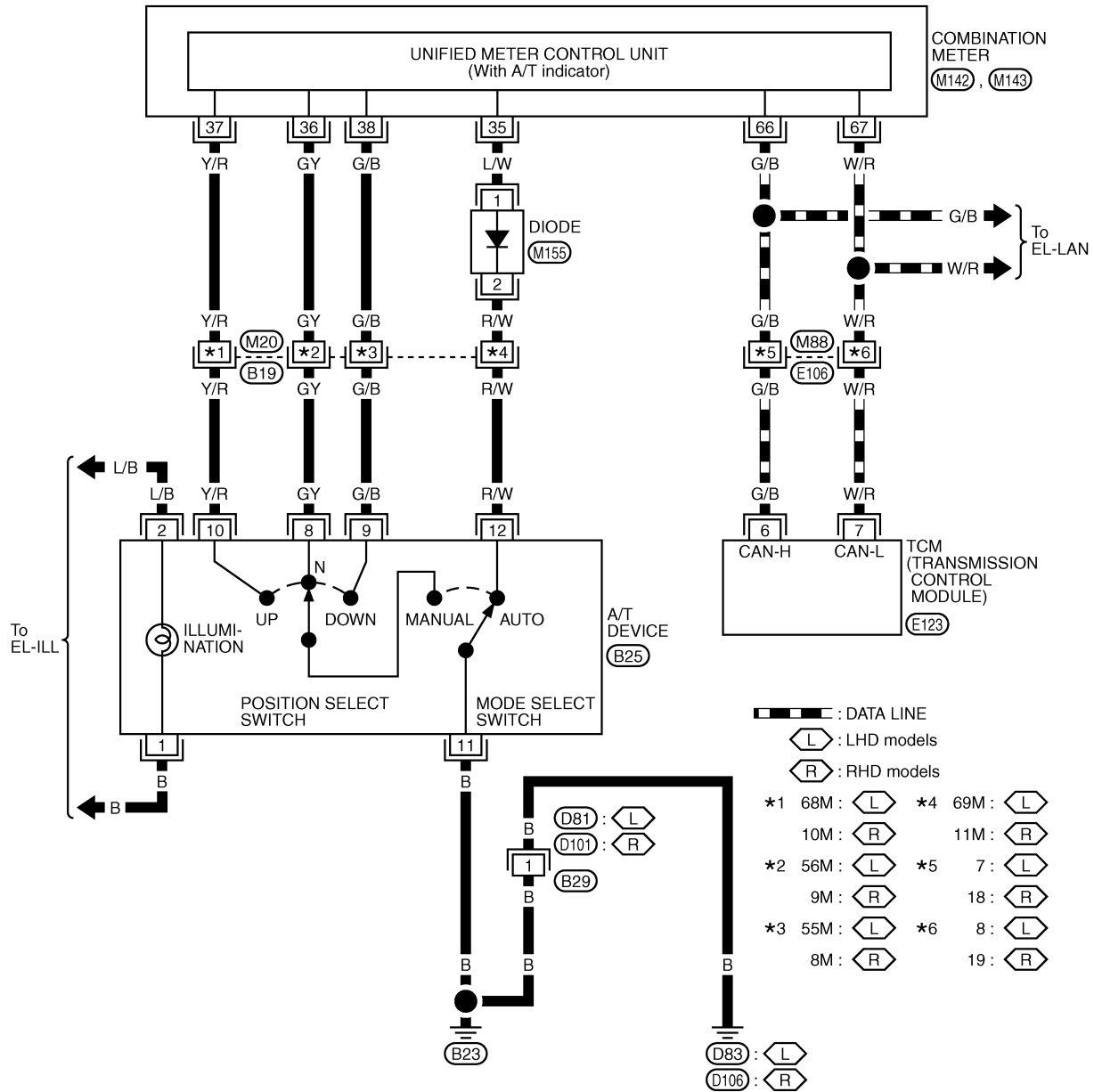
## Wiring Diagram — WARN —/Except for Europe (Cont'd)

EL-WARN-16



Wiring Diagram — AT/IND —/TB48 Engine Models with A/T

EL-AT/IND-01



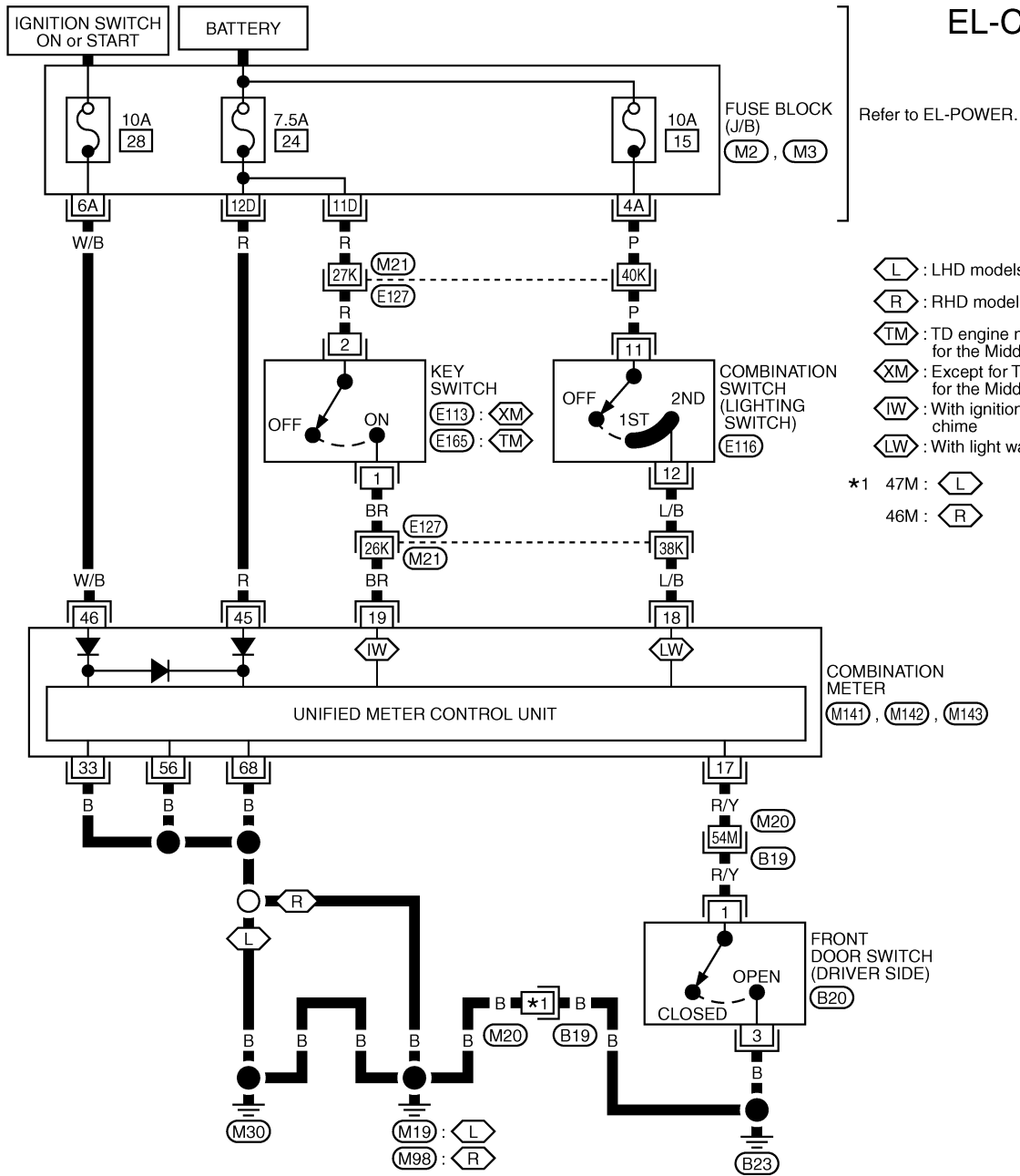
Refer to last page (Foldout page).

M20, B19  
E123

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Wiring Diagram — CHIME —/Except for Europe and with Theft Warning System Models

EL-CHIME-01



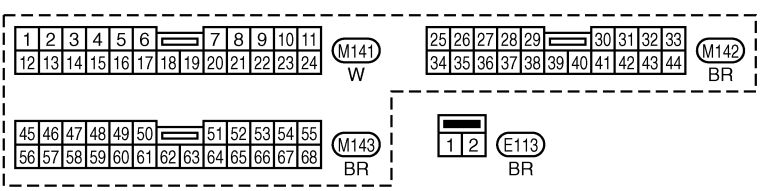
Refer to EL-POWER.

- ⬡ : LHD models
- ⬢ : RHD models
- ⬤ : TD engine models for the Middle East
- ⬥ : Except for TD engine models for the Middle East
- ⬦ : With ignition key warning chime
- ⬧ : With light warning chime

- \*1 47M : ⬡
- 46M : ⬢

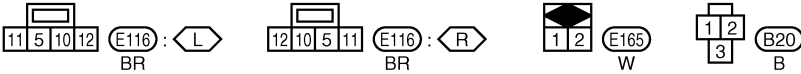
COMBINATION METER (M141), (M142), (M143)

FRONT DOOR SWITCH (DRIVER SIDE) (B20)



Refer to last page (Foldout page).

- (M20), (B19)
- (M21), (E127)
- (M2)
- (M3)

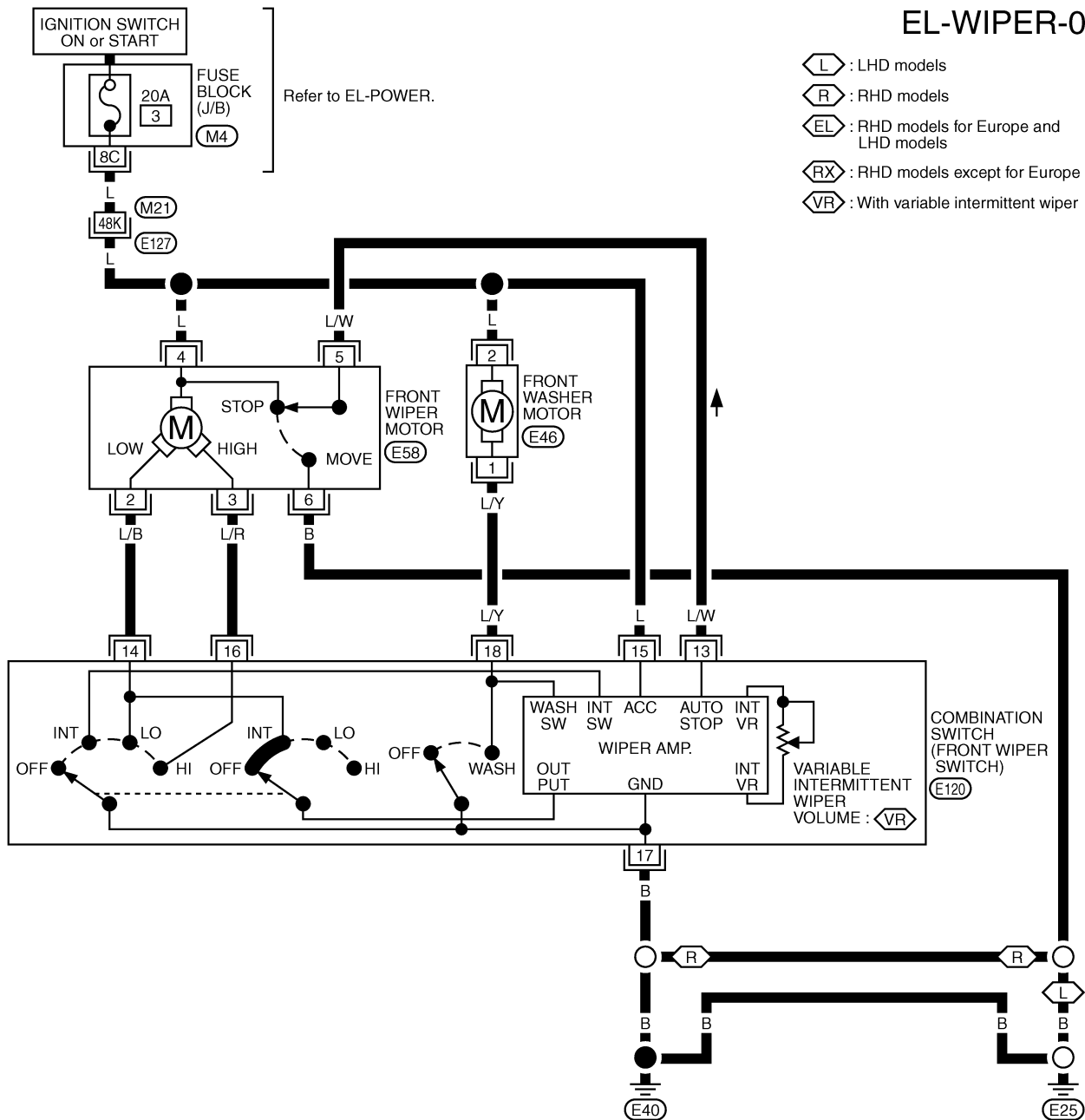




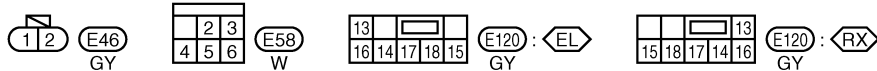


## Wiring Diagram — WIPER —/Except for Europe and TB48 Engine Models

EL-WIPER-01



- L : LHD models
- R : RHD models
- EL : RHD models for Europe and LHD models
- RX : RHD models except for Europe
- VR : With variable intermittent wiper



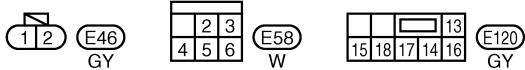
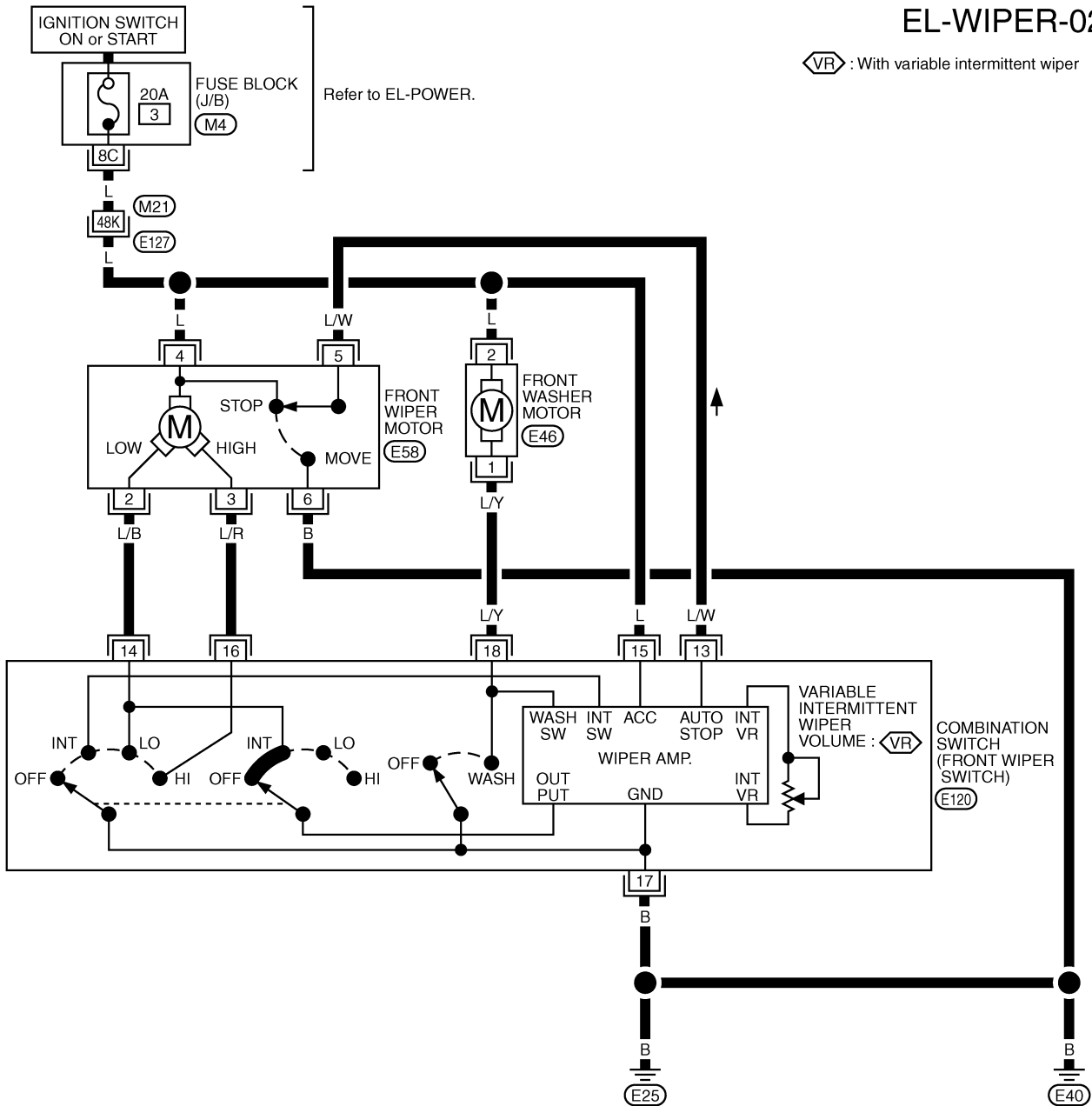
Refer to last page (Foldout page).

- M21 , E127
- M4

## Wiring Diagram — WIPER —

EL-WIPER-02

ⓂVR : With variable intermittent wiper



Refer to last page (Foldout page).

ⓂM21, ⓂE127

ⓂM4

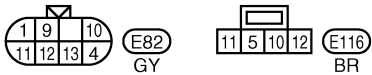
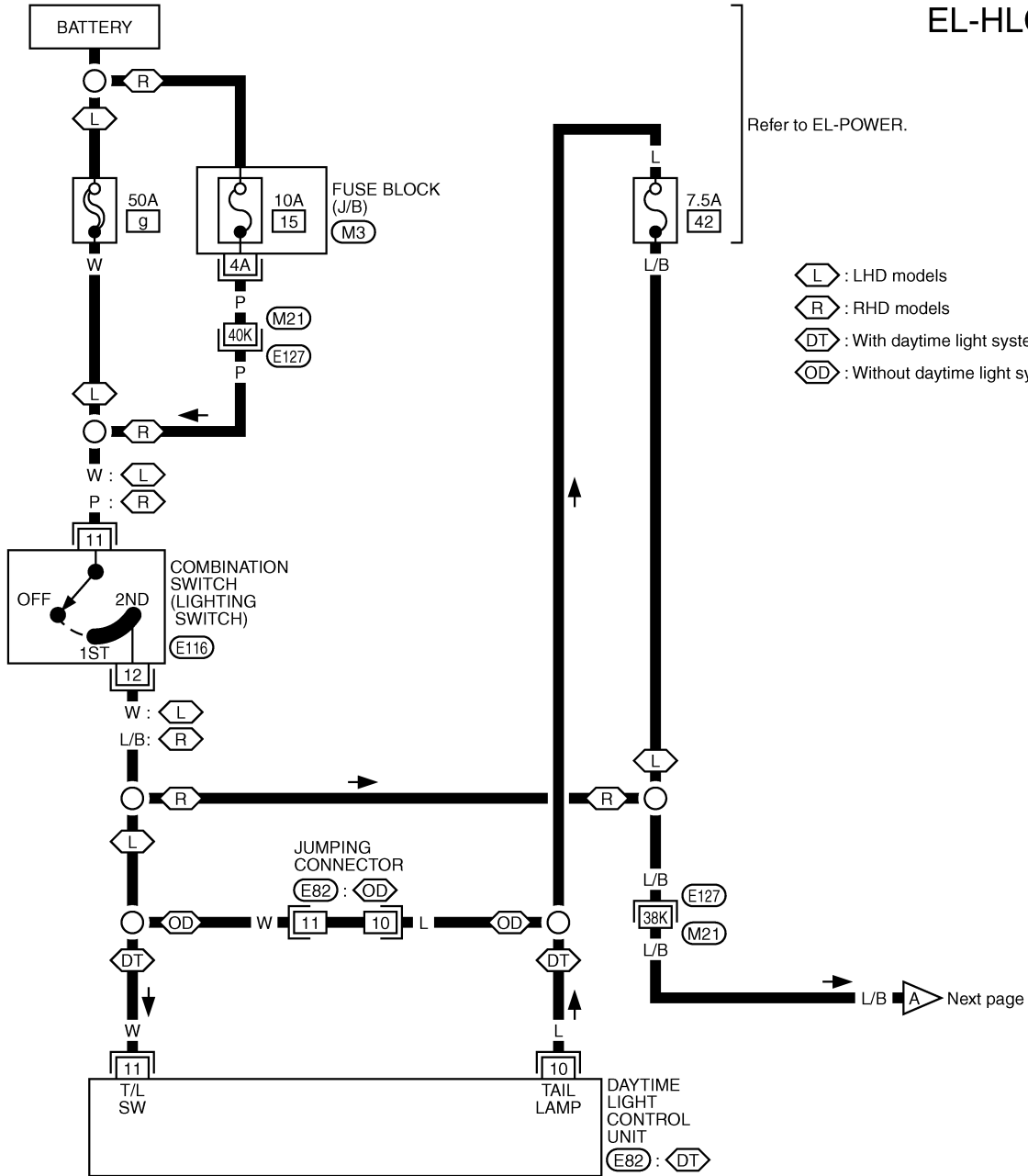
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# HEADLAMP WASHER

## Wiring Diagram — HLC —

EL-HLC-01



Refer to last page (Foldout page).

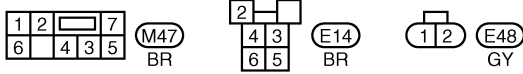
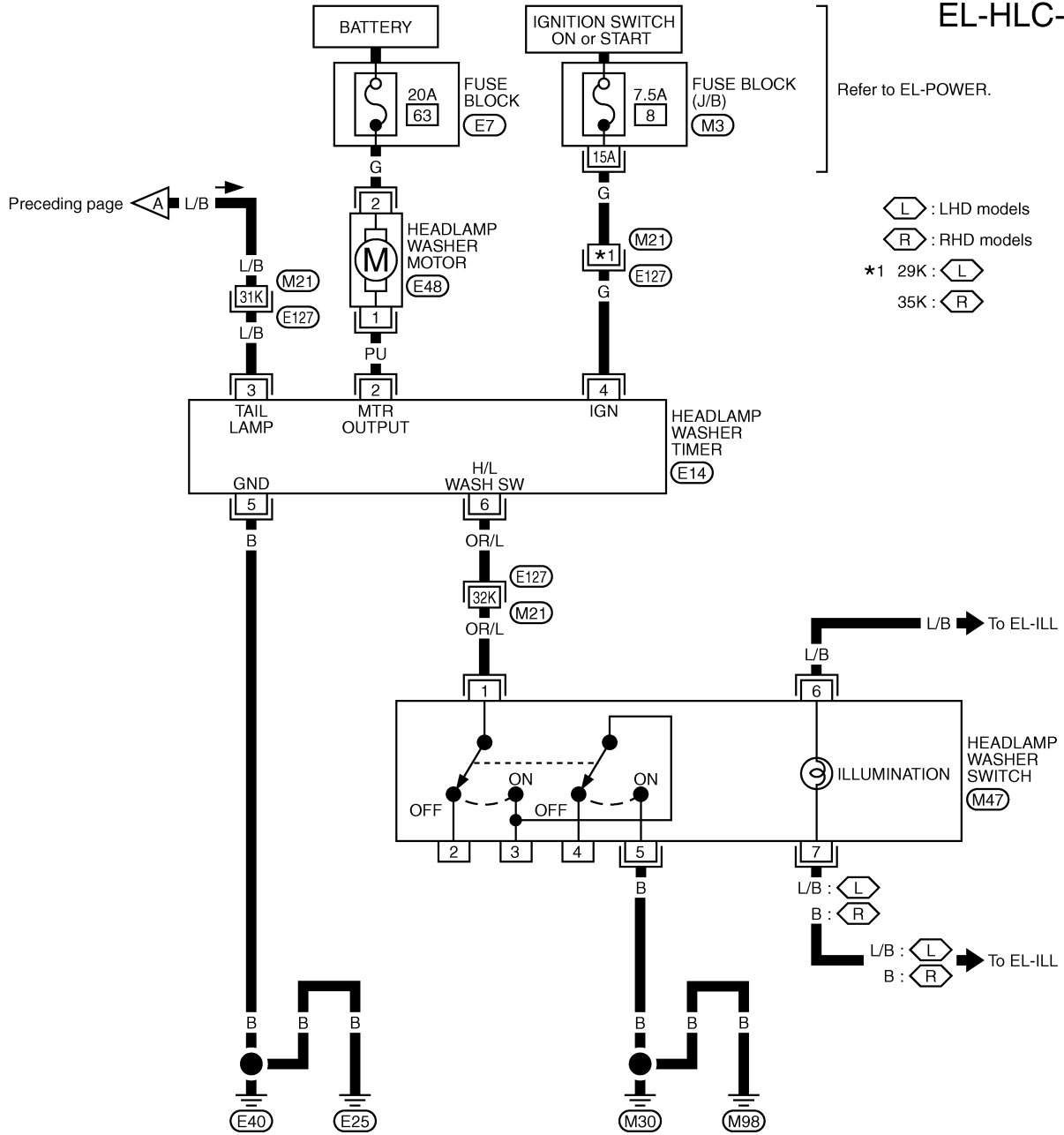
(M21), (E127)

(M3)

# HEADLAMP WASHER

## Wiring Diagram — HLC — (Cont'd)

EL-HLC-02

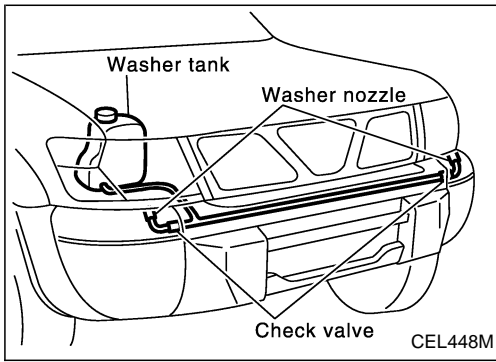


Refer to last page (Foldout page).  
 (M21), (E127)  
 (M3)  
 (E7)

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# HEADLAMP WASHER

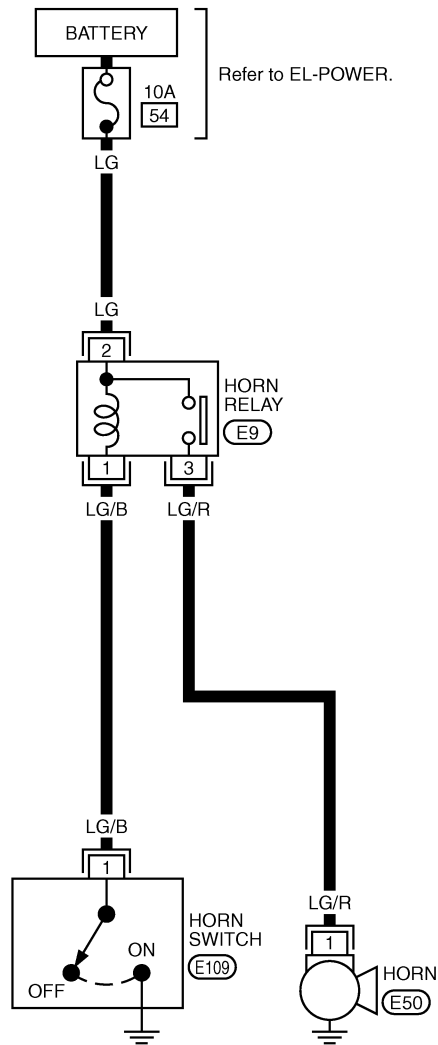
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Washer Tube Layout

## Wiring Diagram — HORN —

EL-HORN-01



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**EL**

SE

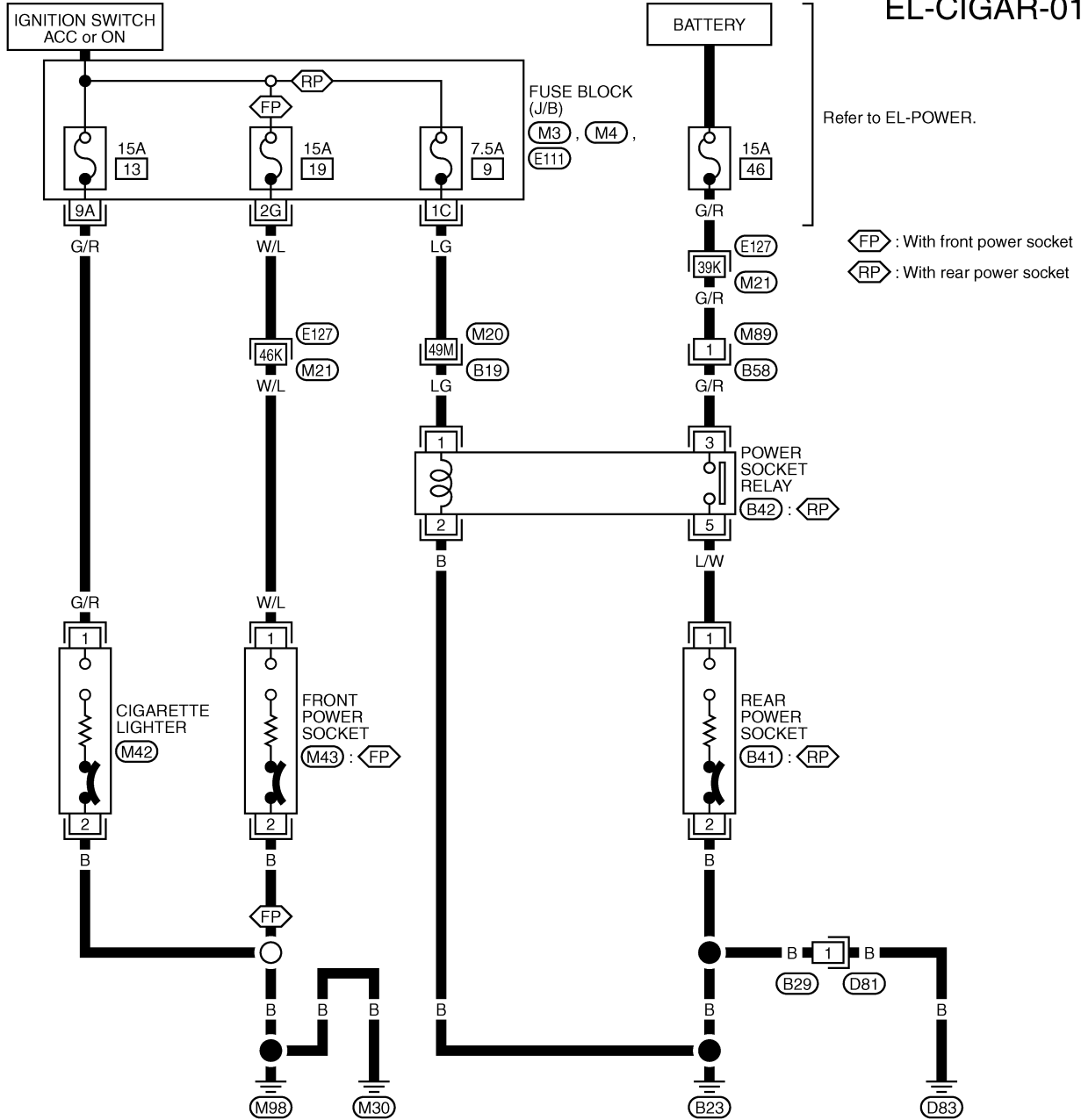
IDX



# CIGARETTE LIGHTER/WAGON AND HARDTOP MODELS

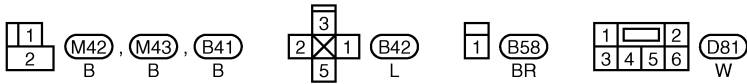
## Wiring Diagram — CIGAR —/LHD Models

EL-CIGAR-01



Refer to EL-POWER.

FP : With front power socket  
RP : With rear power socket



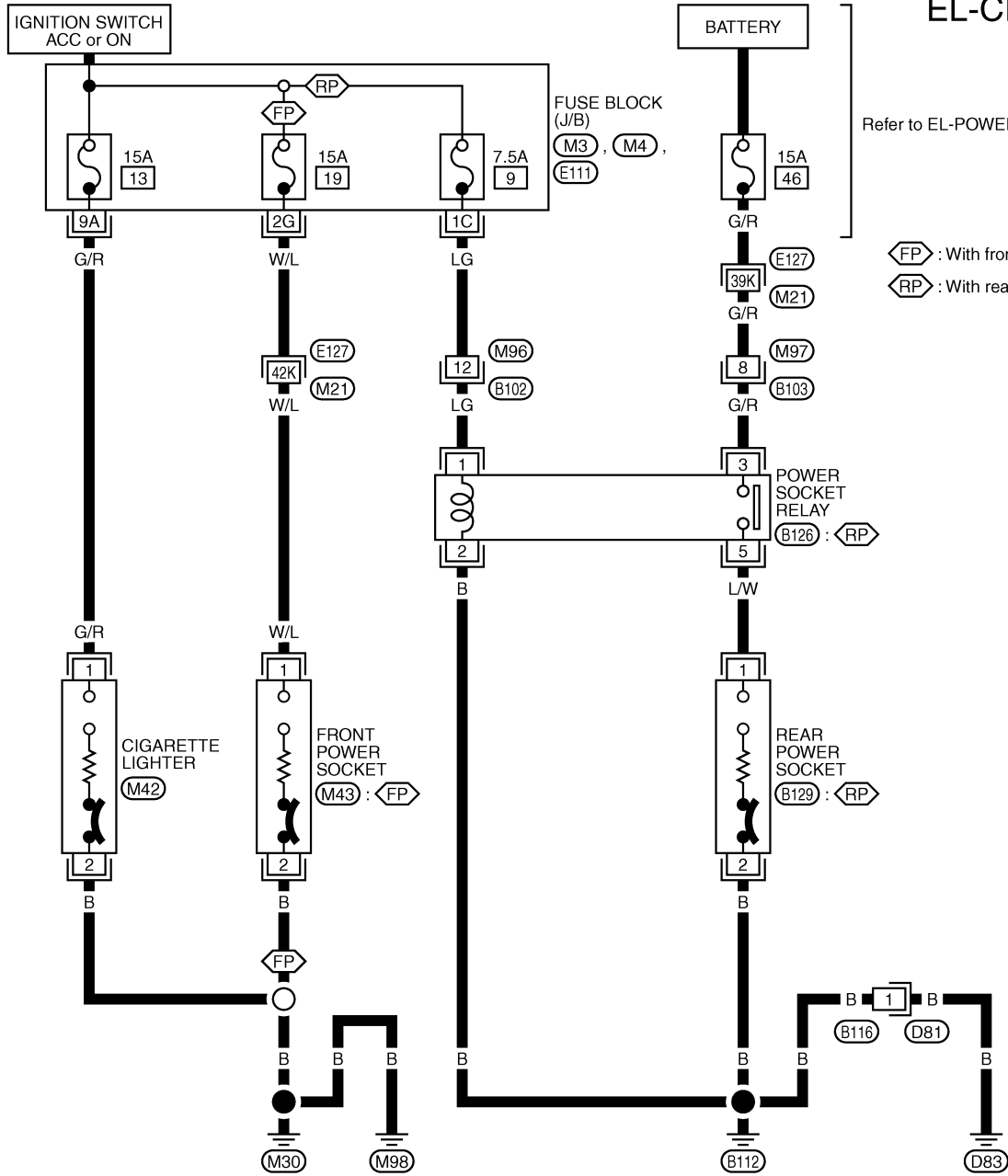
Refer to last page (Foldout page).

- M20, B19
- M21, E127
- M3
- M4
- E111



Wiring Diagram — CIGAR —/RHD Models

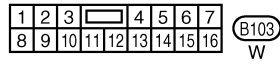
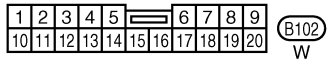
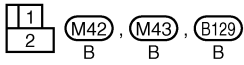
EL-CIGAR-02



Refer to EL-POWER.

FP : With front power socket  
RP : With rear power socket

GI  
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IDX



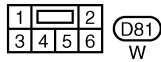
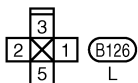
Refer to last page (Foldout page).

M21, E127

M3

M4

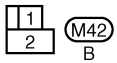
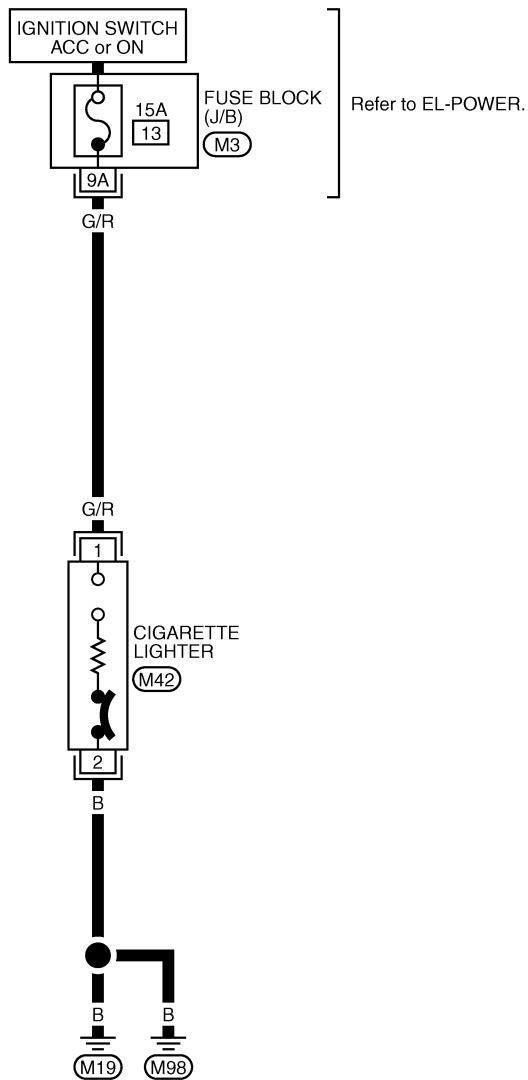
E111



# CIGARETTE LIGHTER/PICKUP MODELS

## Wiring Diagram — CIGAR —

EL-CIGAR-03



Refer to last page (Foldout page).

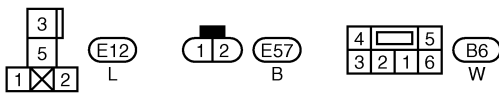
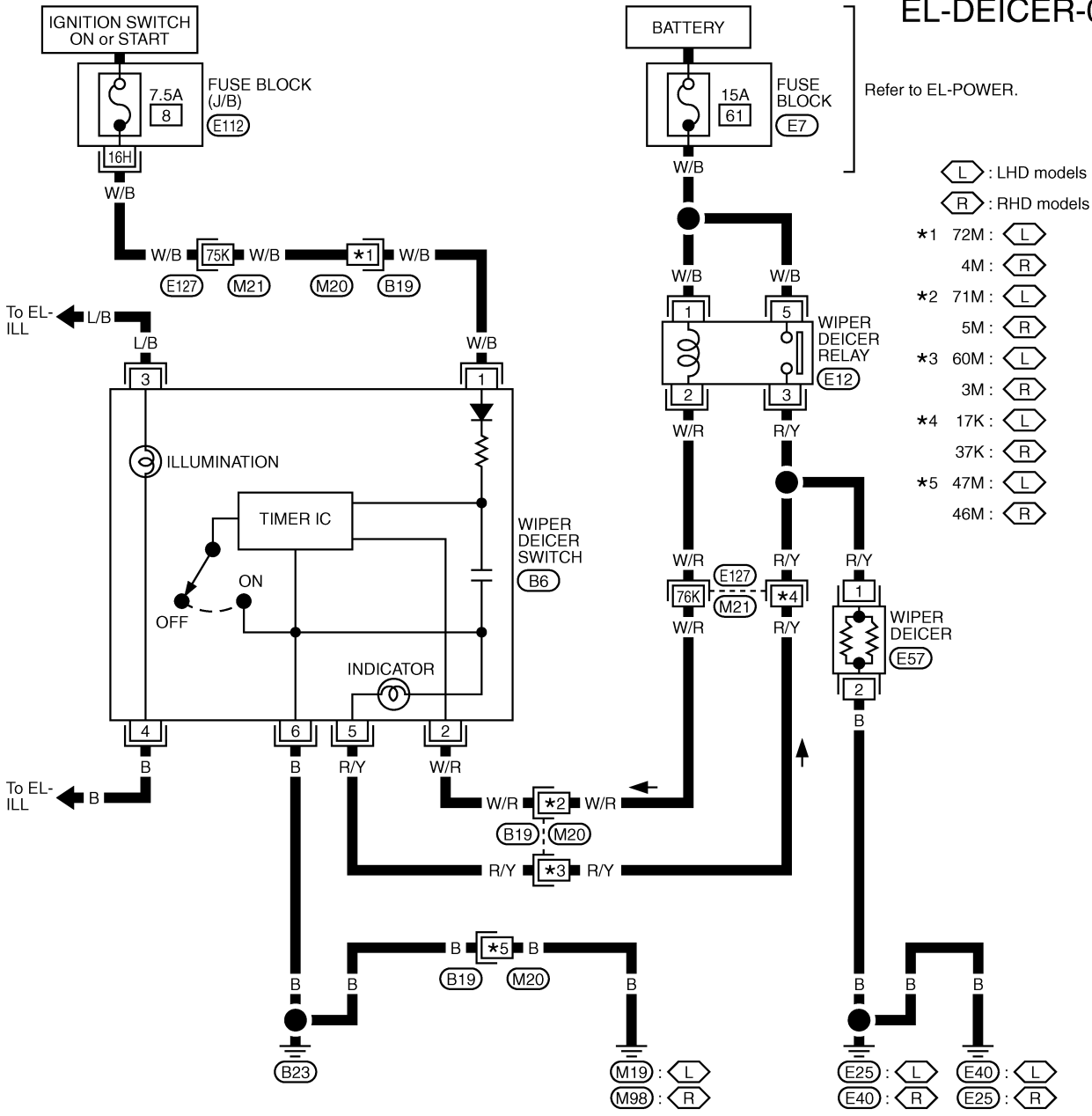


# WIPER DEICER

## Wiring Diagram — DEICER —

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

### EL-DEICER-01

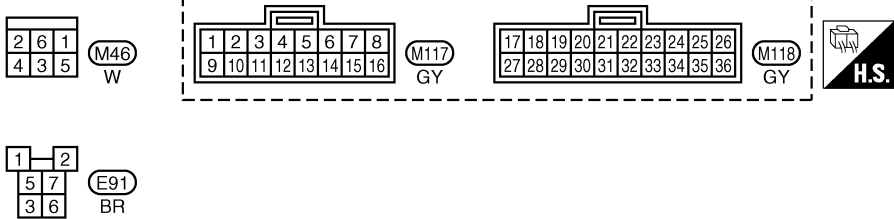
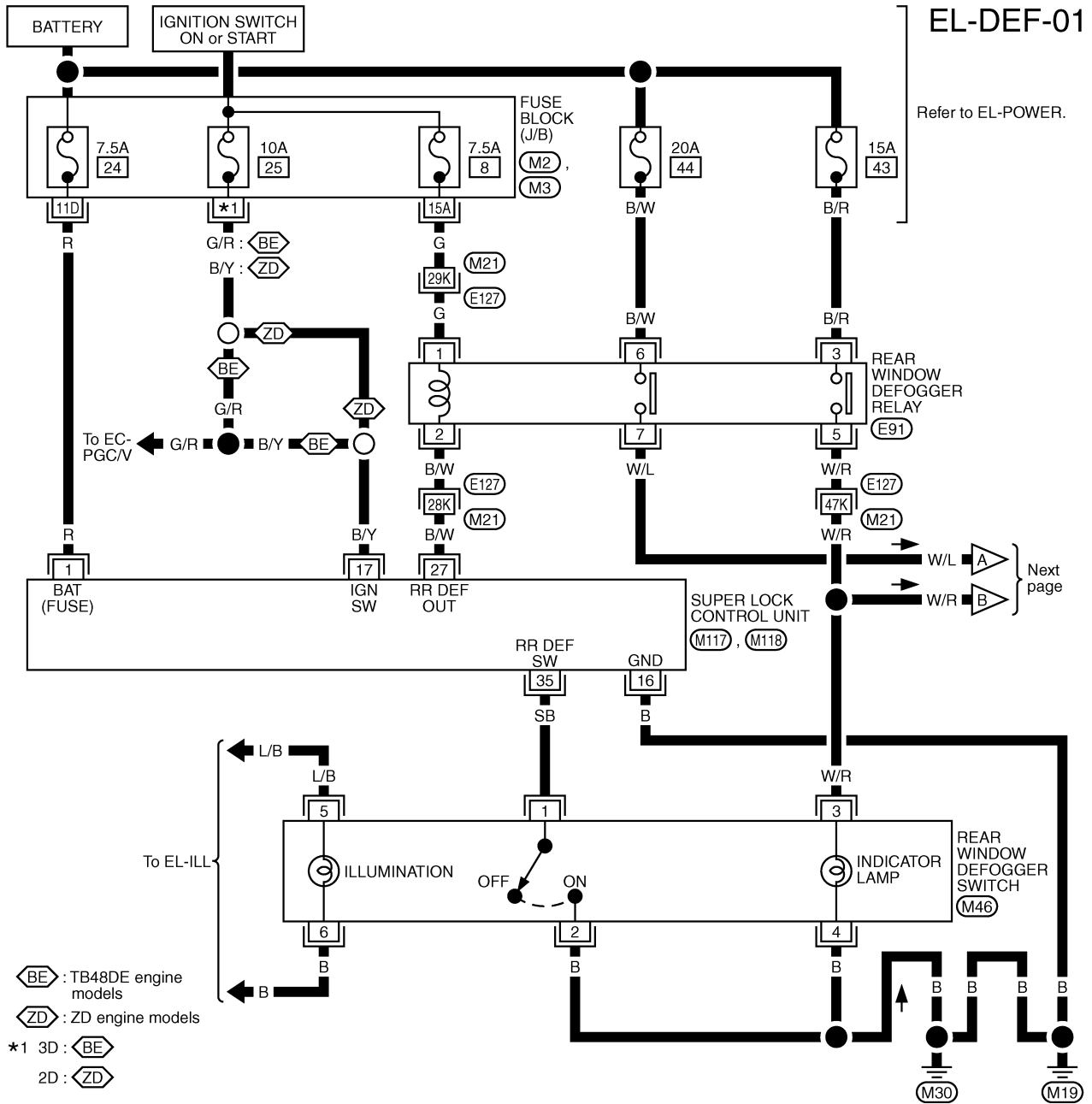


Refer to last page (Foldout page).

(M20), (B19)  
 (M21), (E127)  
 (E7)  
 (E112)

# REAR WINDOW DEFOGGER

## Wiring Diagram — DEF —/LHD Models for Europe



Refer to last page (Foldout page).

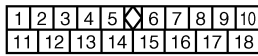
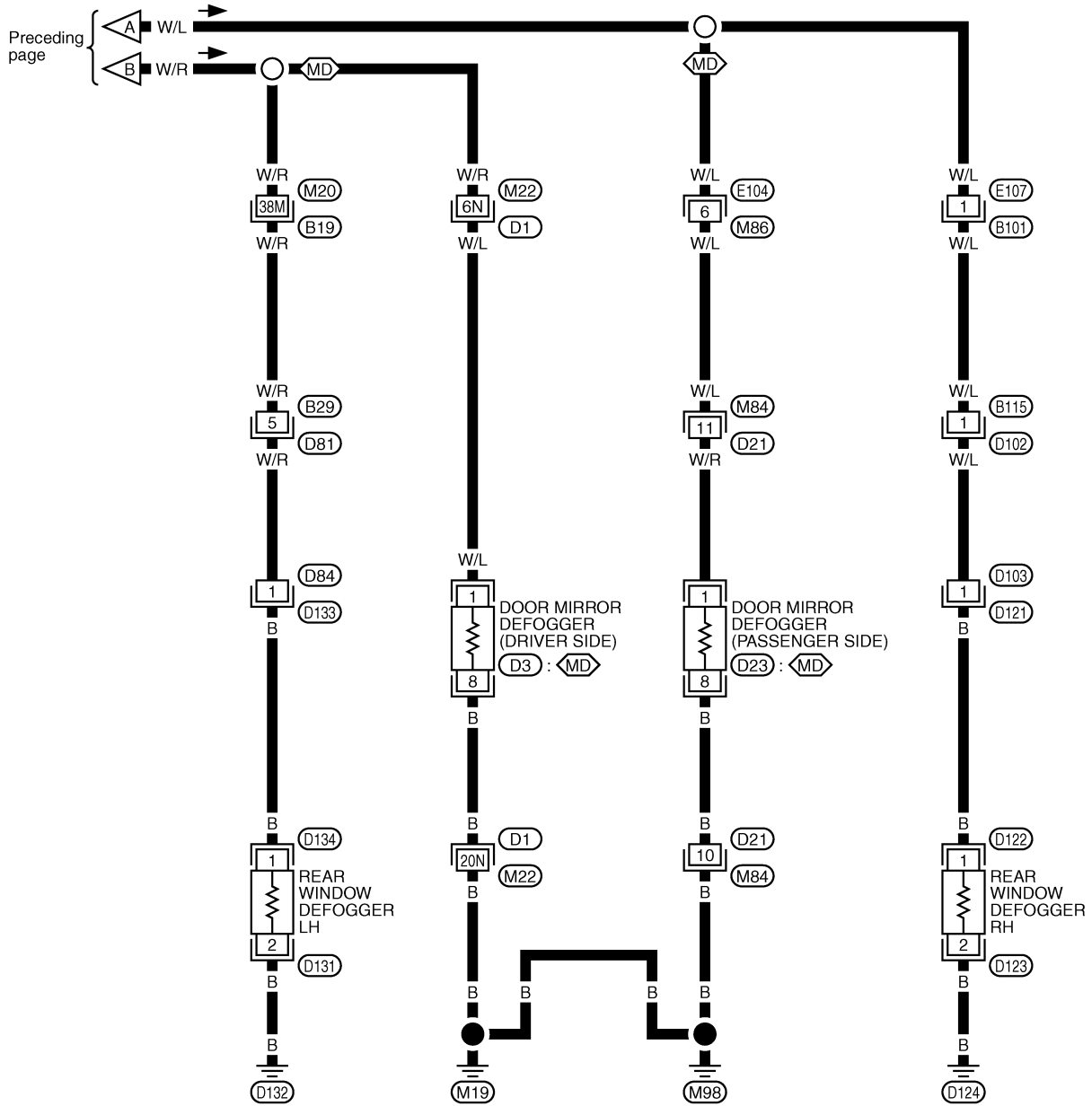
- M21, E127
- M2
- M3

# REAR WINDOW DEFOGGER

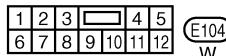
## Wiring Diagram — DEF —/LHD Models for Europe (Cont'd)

EL-DEF-02

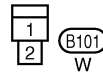
⬡MD⬡ : With door mirror defogger



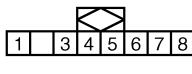
M84  
W



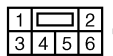
E104  
W



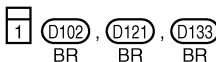
B101  
W



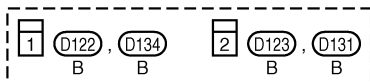
D3, D23  
W



D81  
W



D102, D121, D133  
BR



Refer to last page (Foldout page).

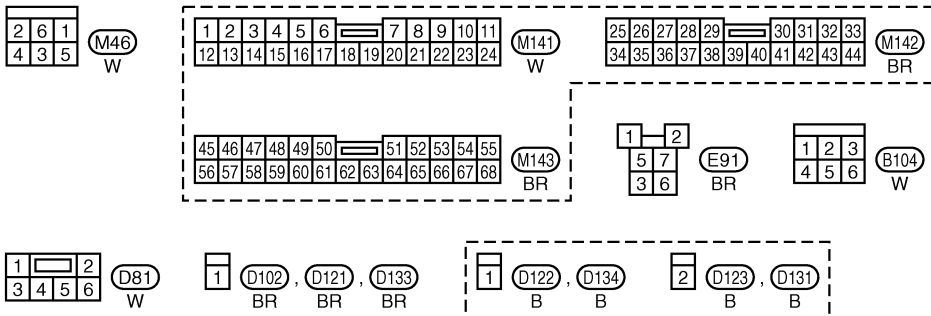
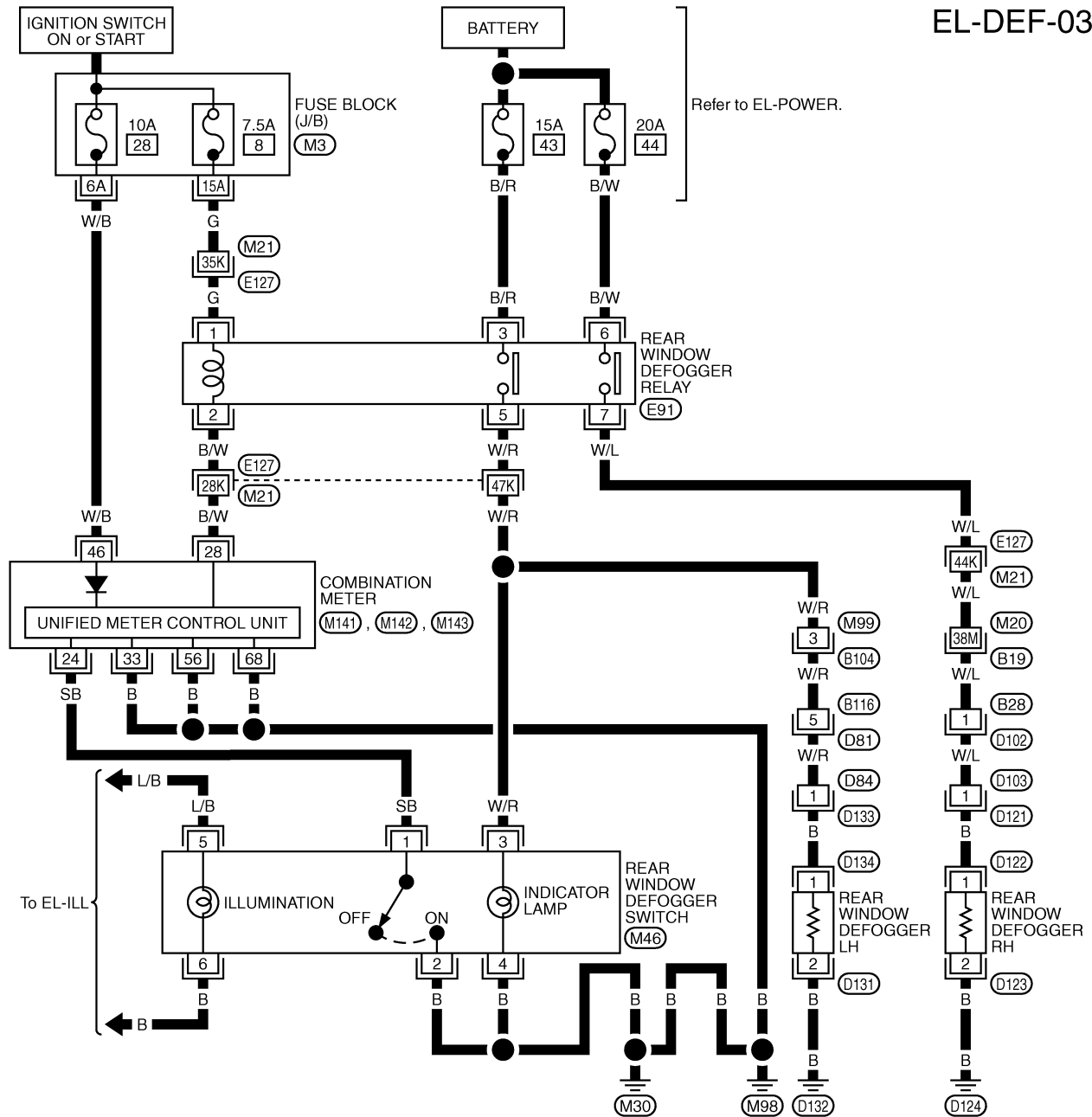
M20, B19  
M22, D1

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

# REAR WINDOW DEFOGGER

## Wiring Diagram — DEF —/RHD Models Except for Europe

EL-DEF-03

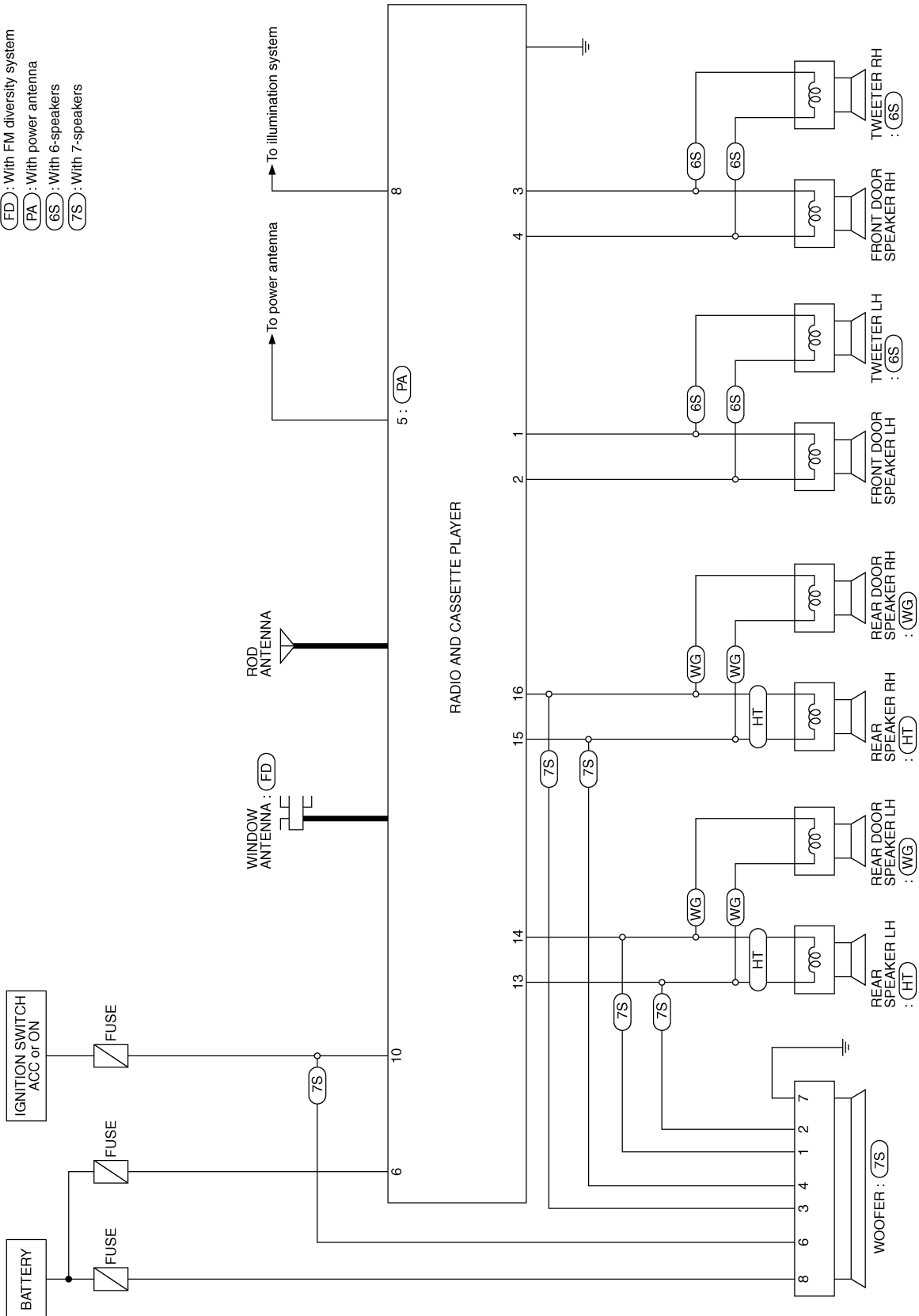


Refer to last page (Foldout page).

- (M20), (B19)
- (M21), (E127)
- (M3)

## Schematic/Except for Europe

- (HT) : Hardtop models
- (WG) : Wagon models
- (FD) : With FM diversity system
- (PA) : With power antenna
- (6S) : With 6-speakers
- (7S) : With 7-speakers



- GI
- MA
- EM
- LC
- EC
- FE
- CL
- MT
- AT
- TF
- PD
- FA
- RA
- BR
- ST
- RS
- BT
- HA
- EL**
- SE
- IDX

# AUDIO/WAGON AND HARDTOP MODELS

## Wiring Diagram — AUDIO —/LHD Models Except for Europe

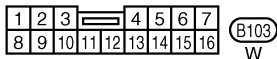
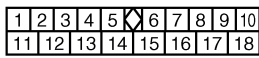
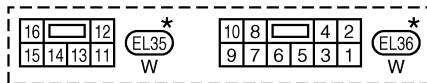
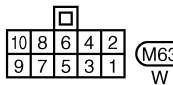
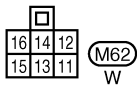
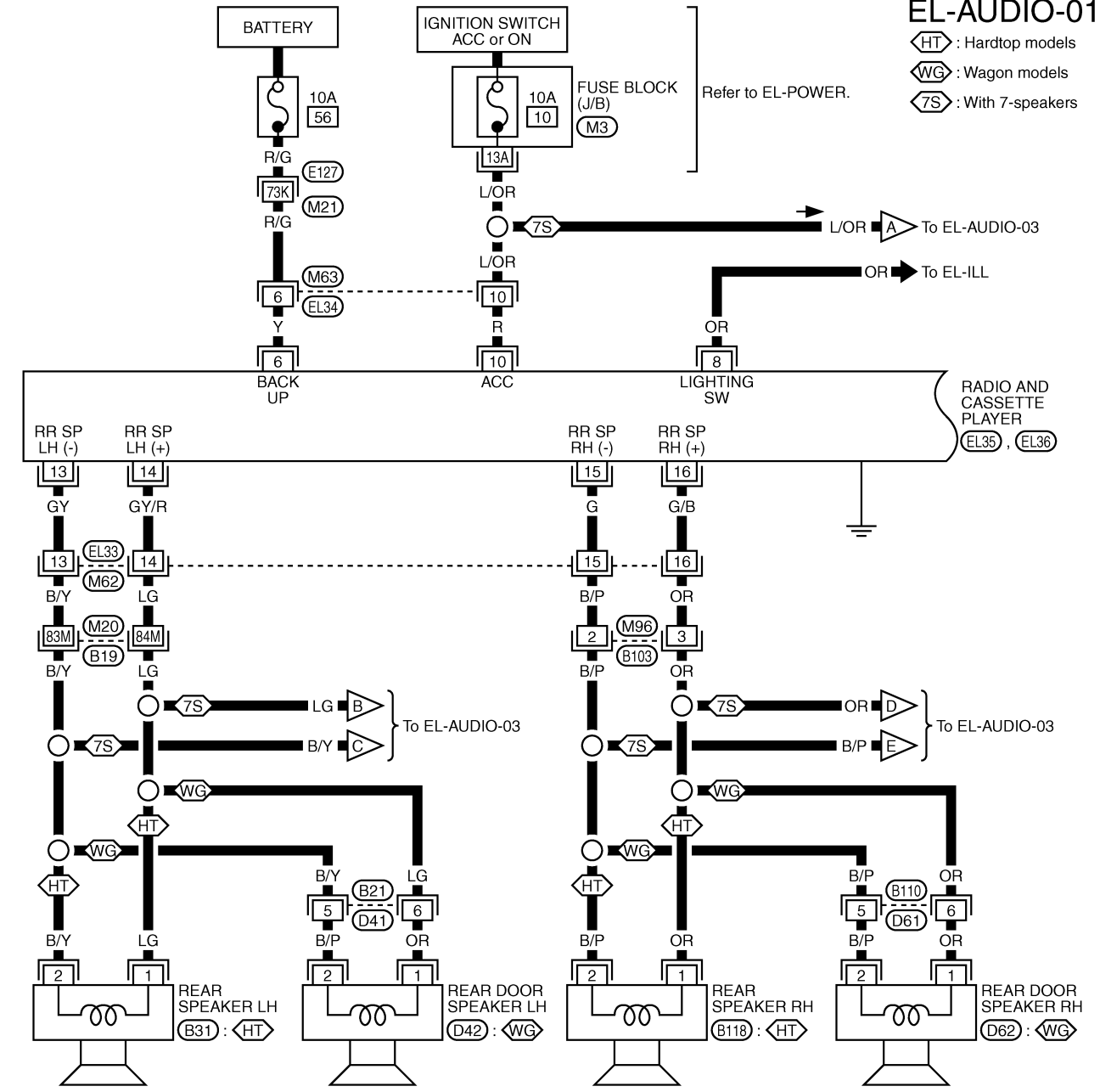
**TYPE A**  
FM-AM tuner radio with sub-harness

**EL-AUDIO-01**

⬡HT : Hardtop models

⬡WG : Wagon models

⬡7S : With 7-speakers



\*: This connector is not shown in "HARNESS LAYOUT", EL section.

Refer to last page (Foldout page).

M20, B19

M21, E127

M3

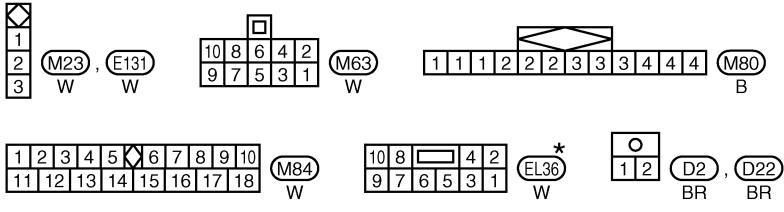
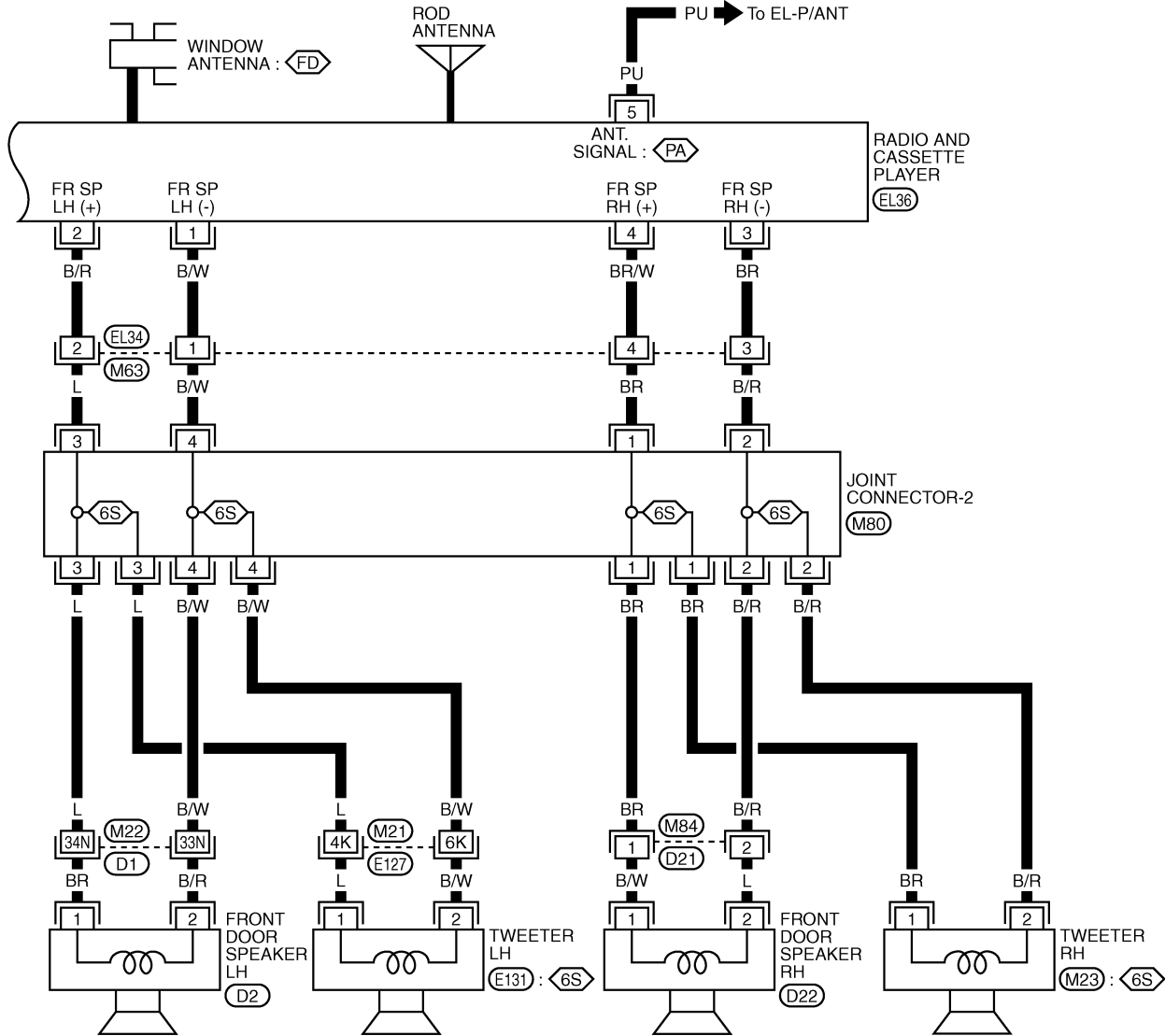


# AUDIO/WAGON AND HARDTOP MODELS

## Wiring Diagram — AUDIO —/LHD Models Except for Europe (Cont'd)

EL-AUDIO-02

- : With FM diversity system
- : With power antenna
- : With 6-speakers



Refer to last page (Foldout page).

- M21, E127
- M22, D1

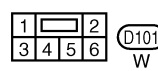
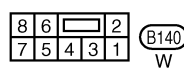
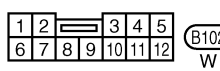
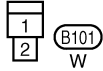
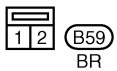
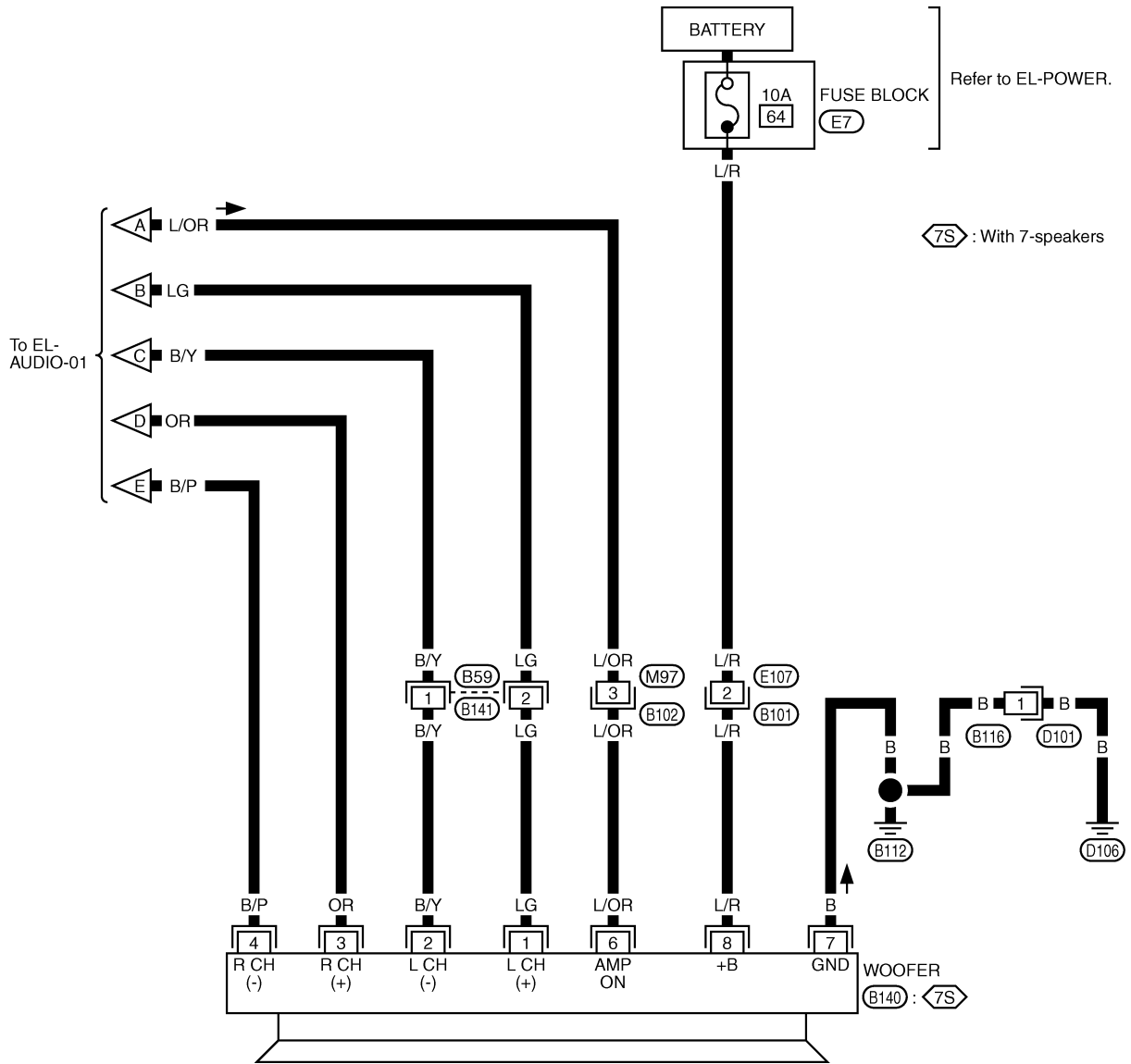
\*: This connector is not shown in "HARNES LAYOUT", EL section.

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

# AUDIO/WAGON AND HARDTOP MODELS

## Wiring Diagram — AUDIO —/LHD Models Except for Europe (Cont'd)

EL-AUDIO-03



Refer to last page (Foldout page).

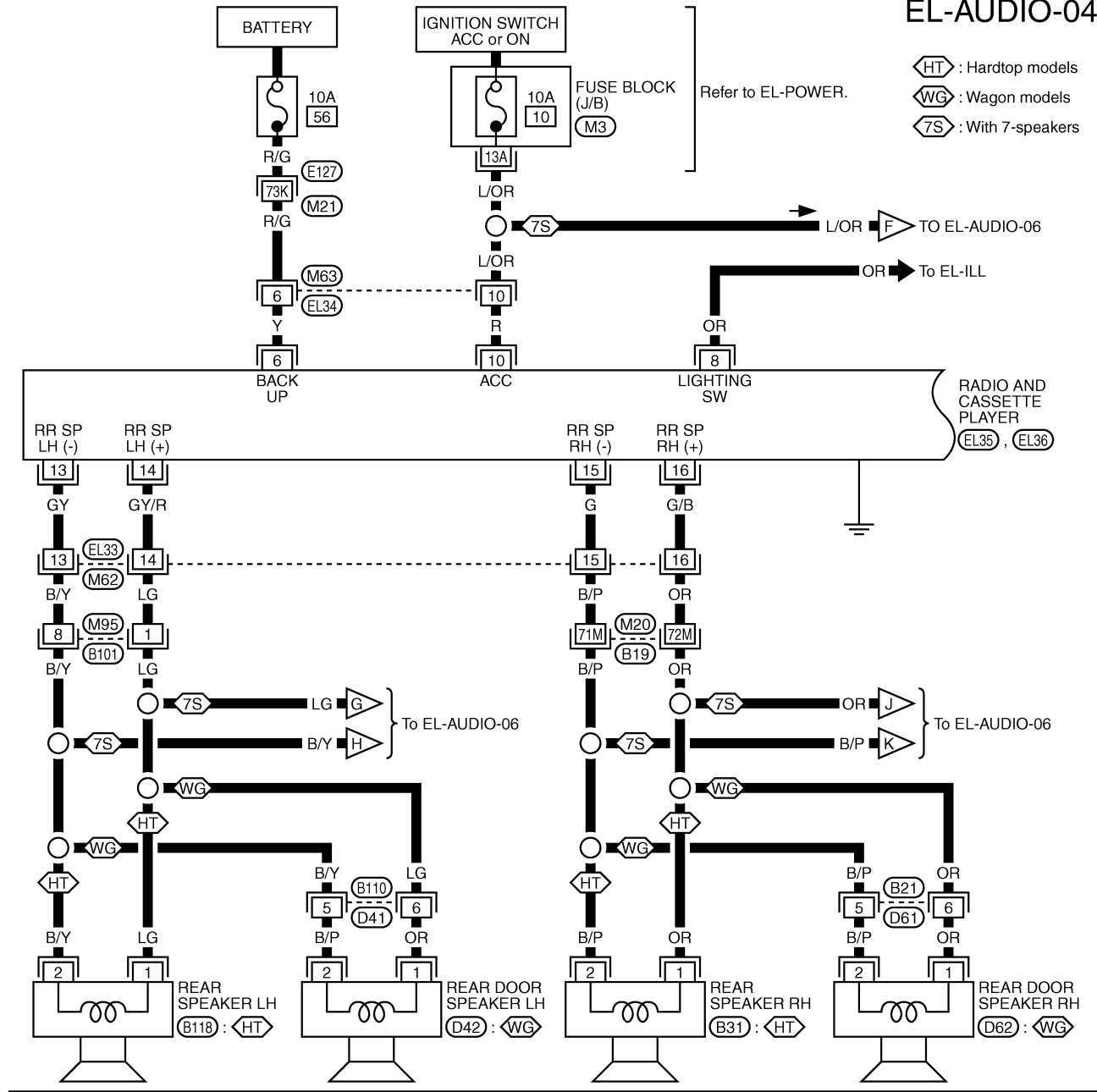


# AUDIO/WAGON AND HARDTOP MODELS

## Wiring Diagram — AUDIO —/RHD Models Except for Europe

**TYPE A**  
FM-AM tuner radio with sub-harness

**EL-AUDIO-04**



Refer to last page (Foldout page).  
 M20, B19  
 M21, E127  
 M3

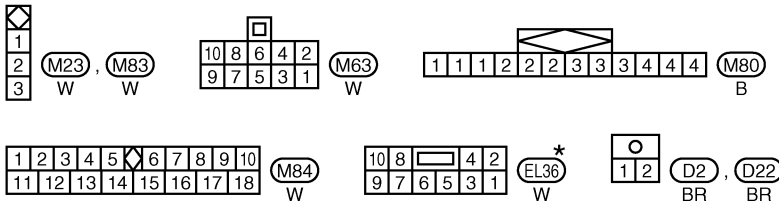
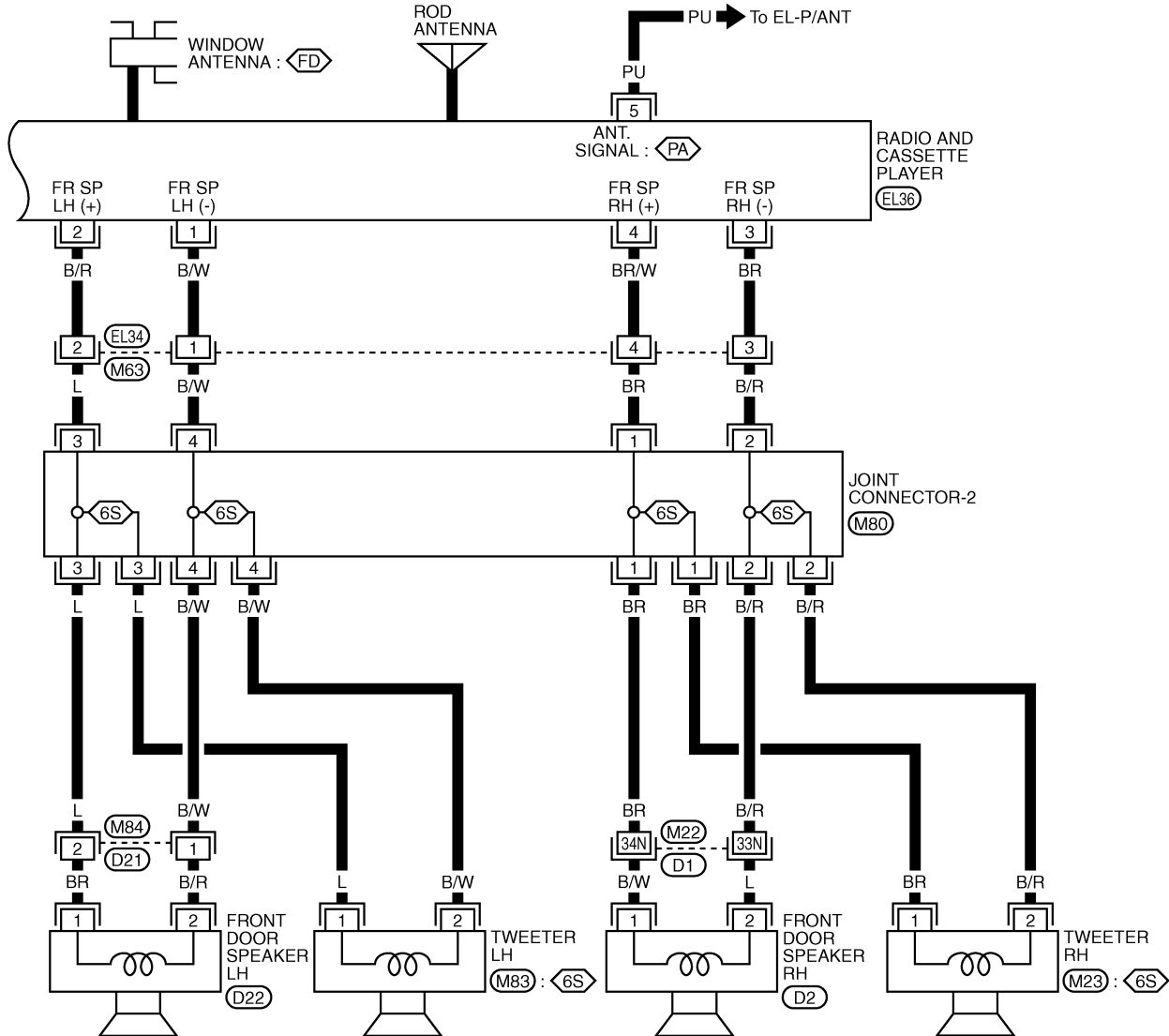
GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

# AUDIO/WAGON AND HARDTOP MODELS

## Wiring Diagram — AUDIO —/RHD Models Except for Europe (Cont'd)

EL-AUDIO-05

- : With FM diversity system
- : With power antenna
- : With 6-speakers



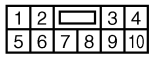
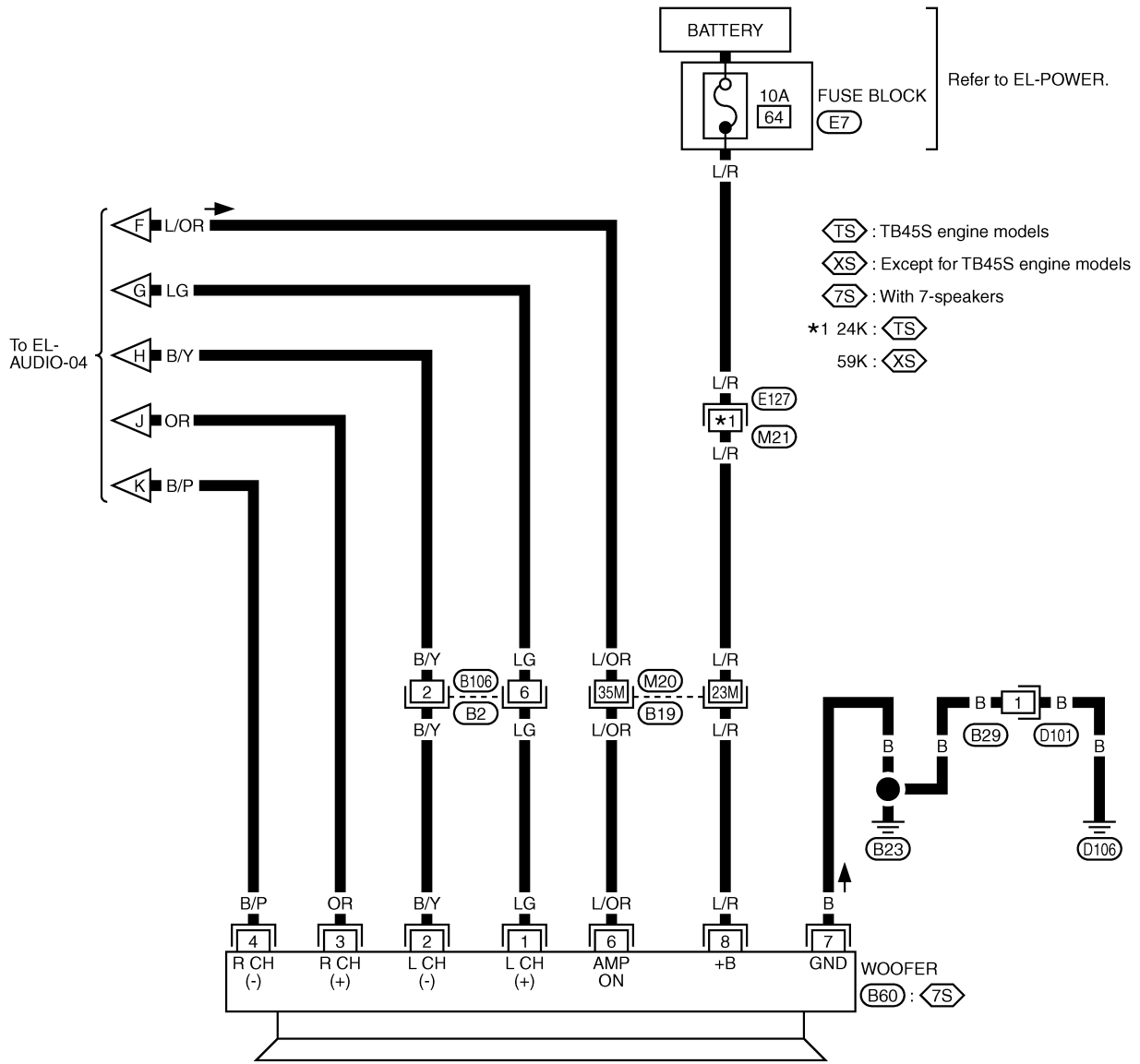
Refer to last page (Foldout page).  
 ,

\*: This connector is not shown in "HARNES LAYOUT", EL section.

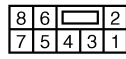
# AUDIO/WAGON AND HARDTOP MODELS

## Wiring Diagram — AUDIO —/RHD Models Except for Europe (Cont'd)

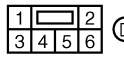
EL-AUDIO-06



(B2)  
W



(B60)  
W



(D101)  
W

Refer to last page (Foldout page).

(M20), (B19)

(M21), (E127)

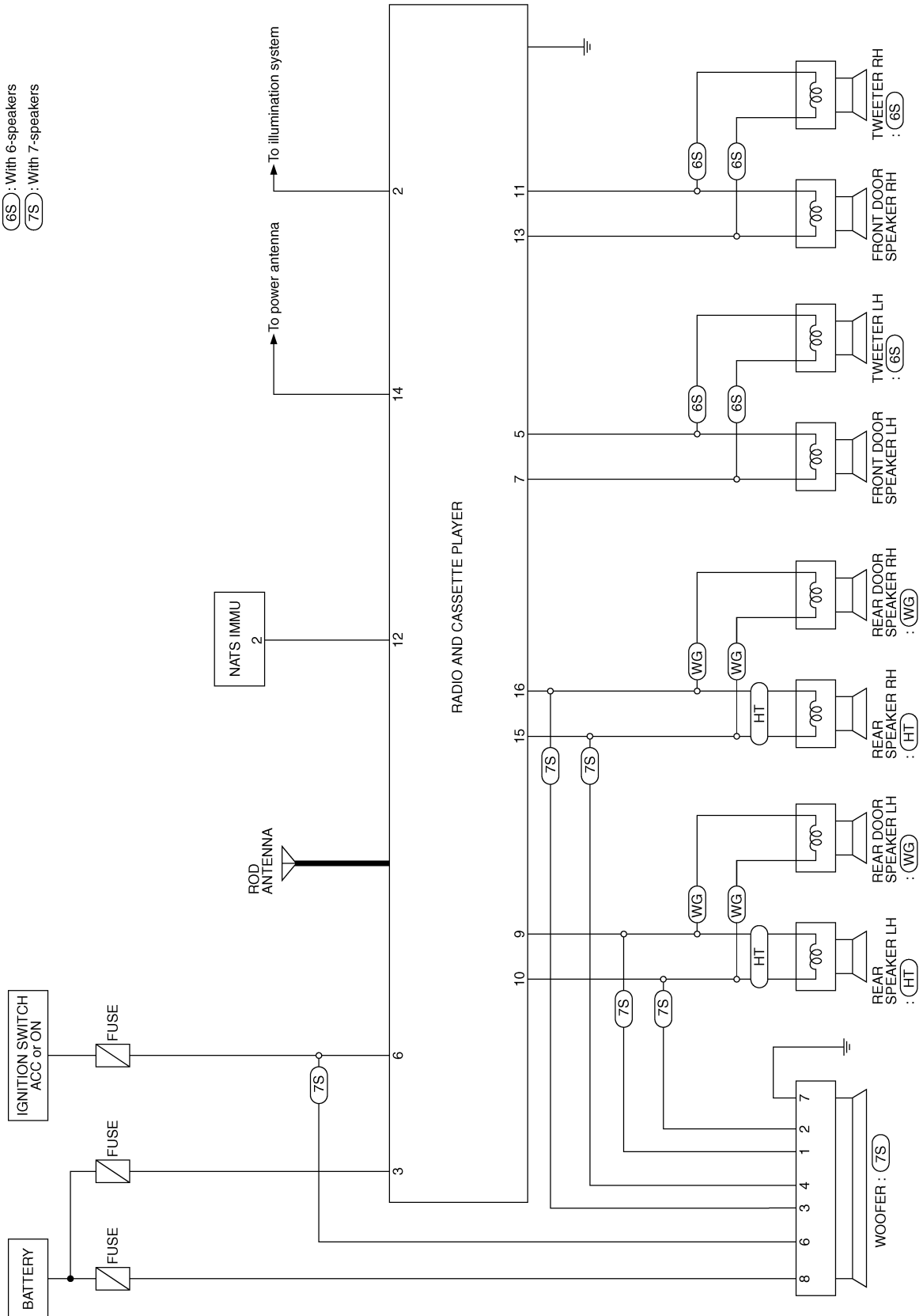
(E7)

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

# AUDIO/WAGON AND HARDTOP MODELS

## Schematic/For Europe

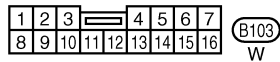
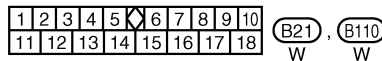
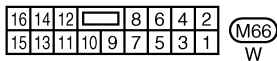
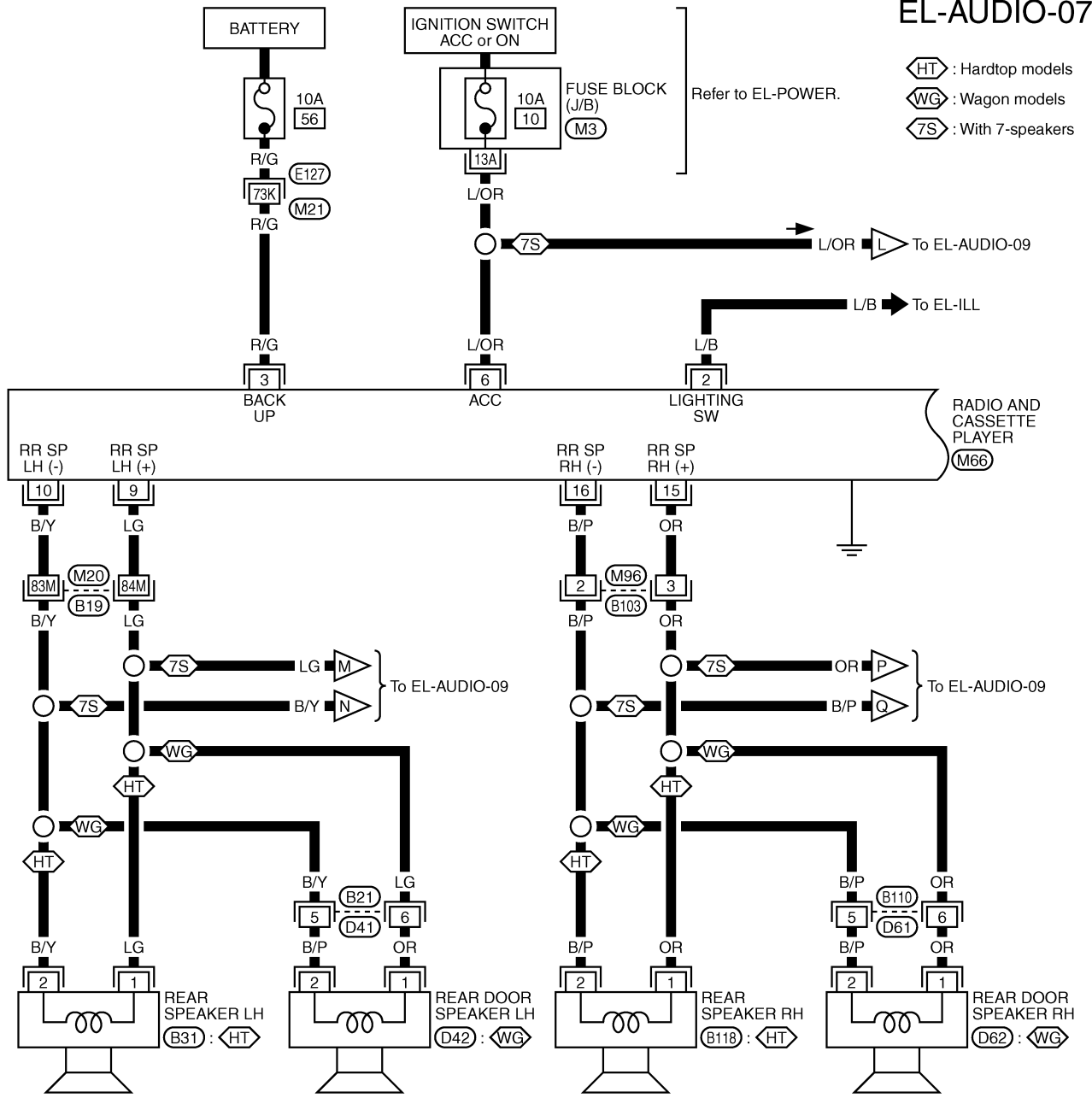
- (HT) : Hardtop models
- (WG) : Wagon models
- (6S) : With 6-speakers
- (7S) : With 7-speakers



Wiring Diagram — AUDIO —/LHD Models for Europe

EL-AUDIO-07

- ⬡HT : Hardtop models
- ⬡WG : Wagon models
- ⬡7S : With 7-speakers



Refer to last page (Foldout page).

- M20, B19
- M21, E127
- M3

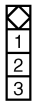
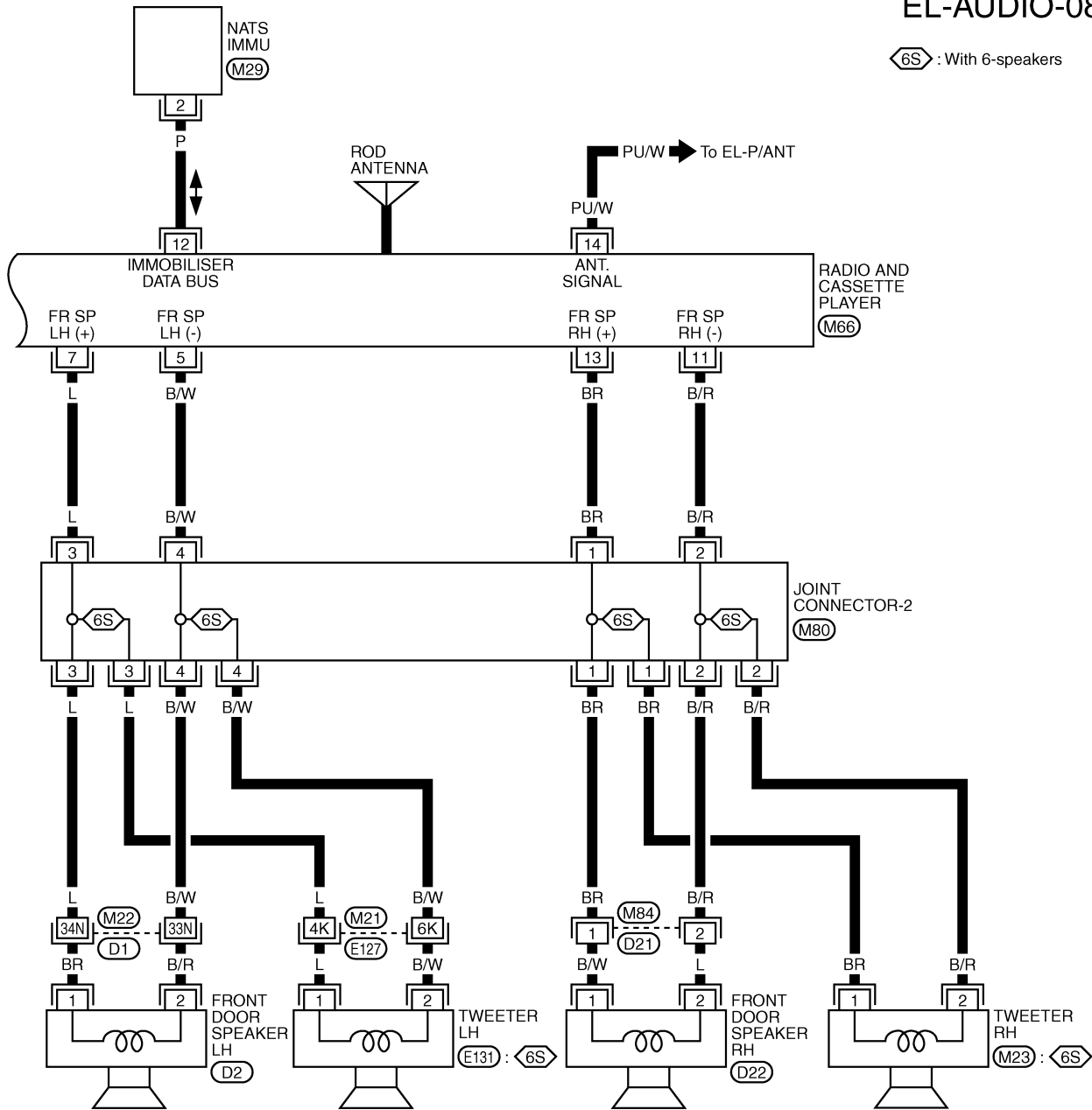
GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

# AUDIO/WAGON AND HARDTOP MODELS

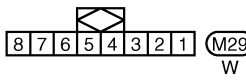
## Wiring Diagram — AUDIO —/LHD Models for Europe (Cont'd)

EL-AUDIO-08

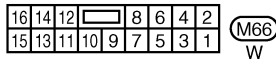
⬡6S : With 6-speakers



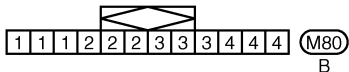
M23, E131  
W W



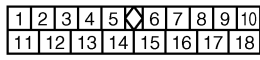
M29  
W



M66  
W



M80  
B



M84  
W



D2, D22  
BR BR

Refer to last page (Foldout page).

M21, E127

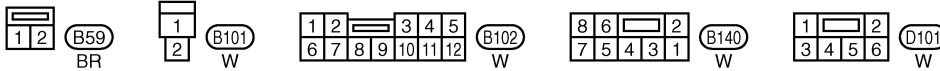
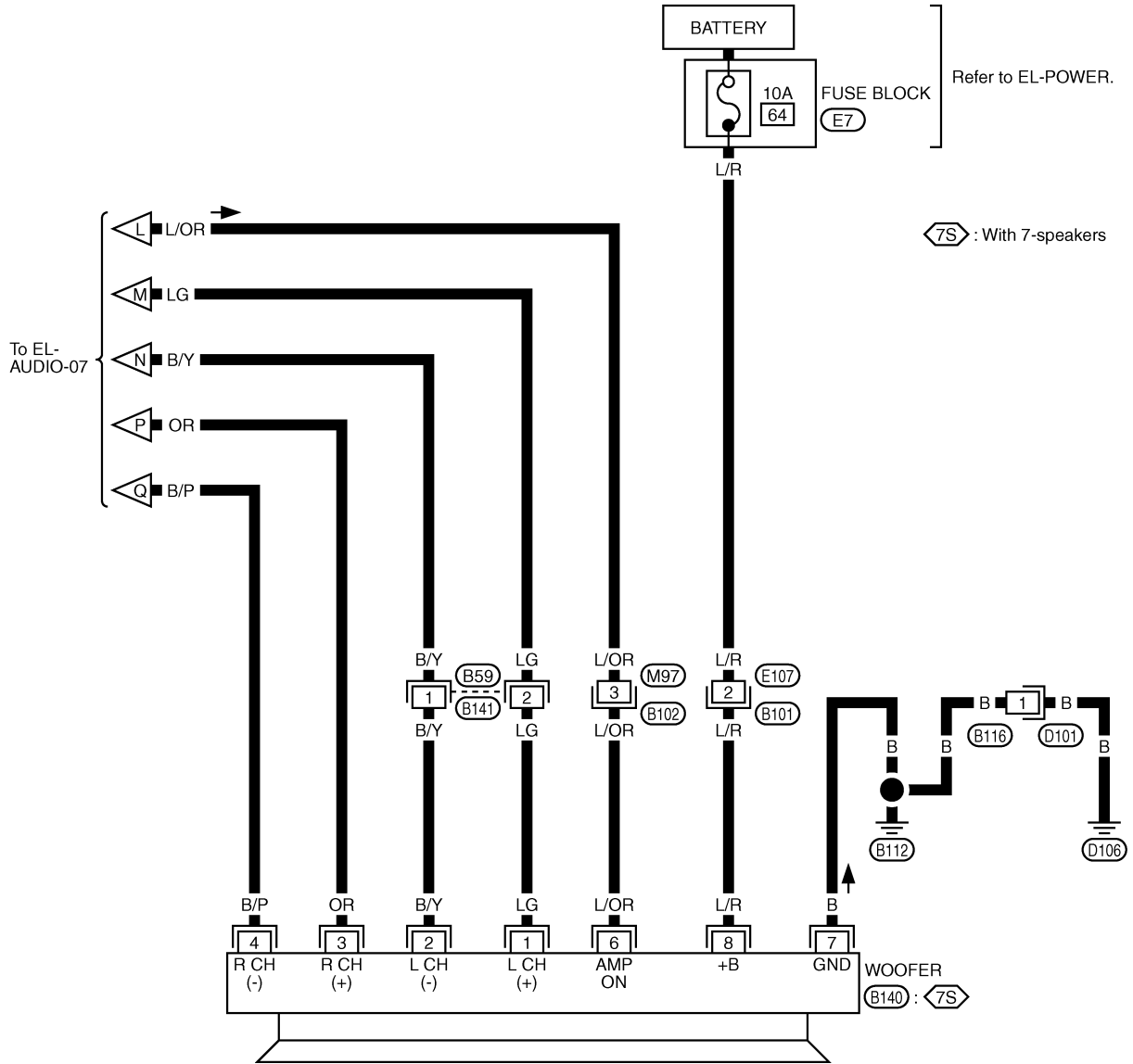
M22, D1



# AUDIO/WAGON AND HARDTOP MODELS

## Wiring Diagram — AUDIO —/LHD Models for Europe (Cont'd)

EL-AUDIO-09



Refer to last page (Foldout page).

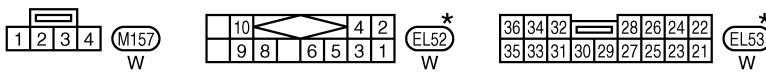
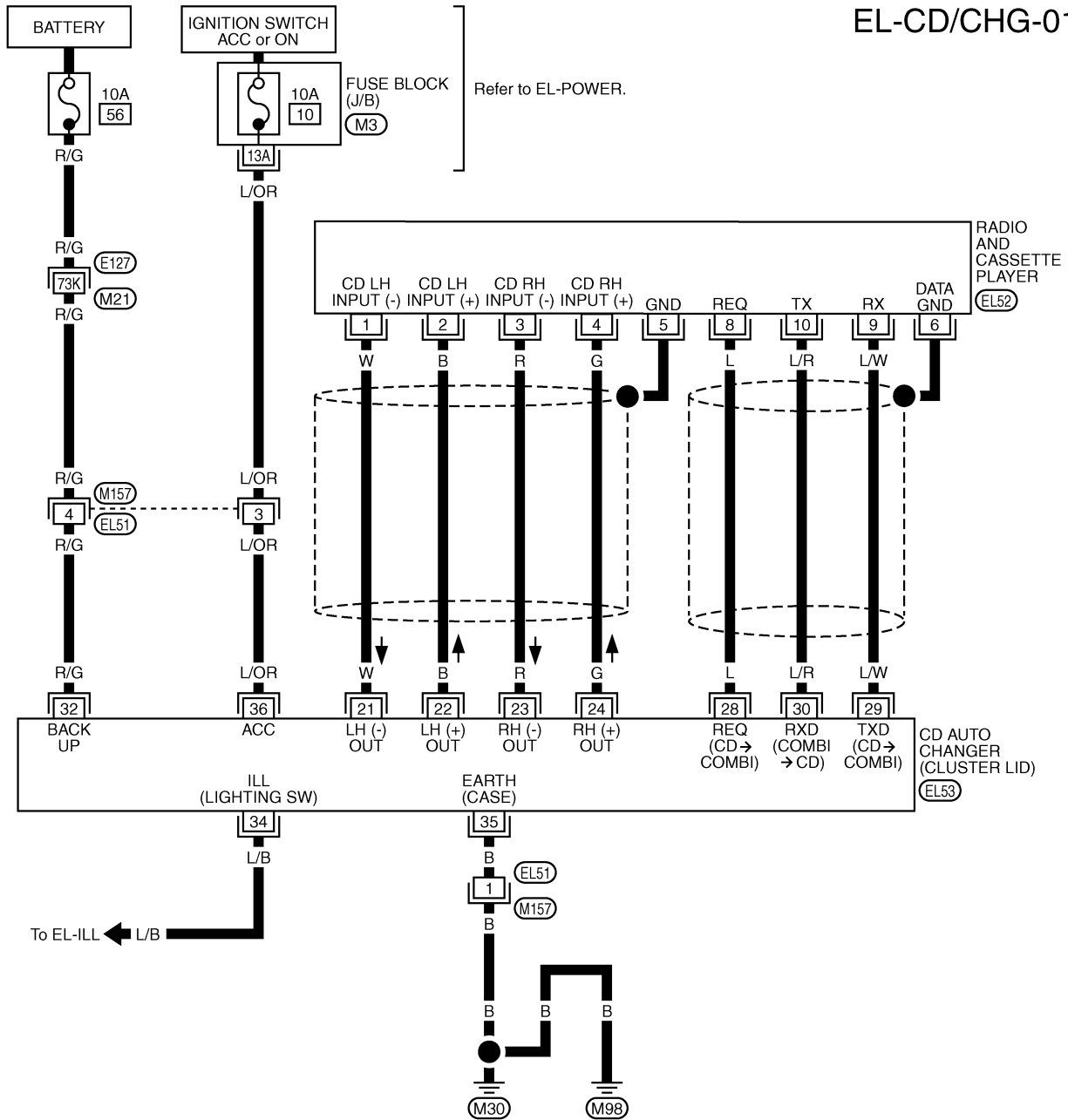
(E7)

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

# AUDIO/WAGON AND HARDTOP MODELS

## Wiring Diagram — CD/CHG —/With IDIN Type CD Auto Changer

EL-CD/CHG-01



Refer to last page (Foldout page).

M21, E127  
M3

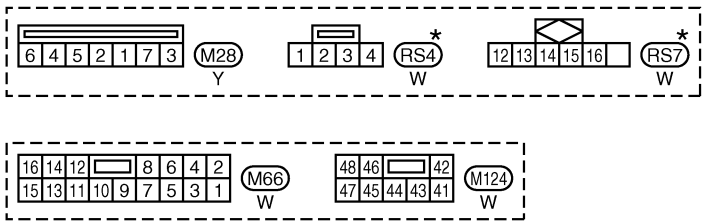
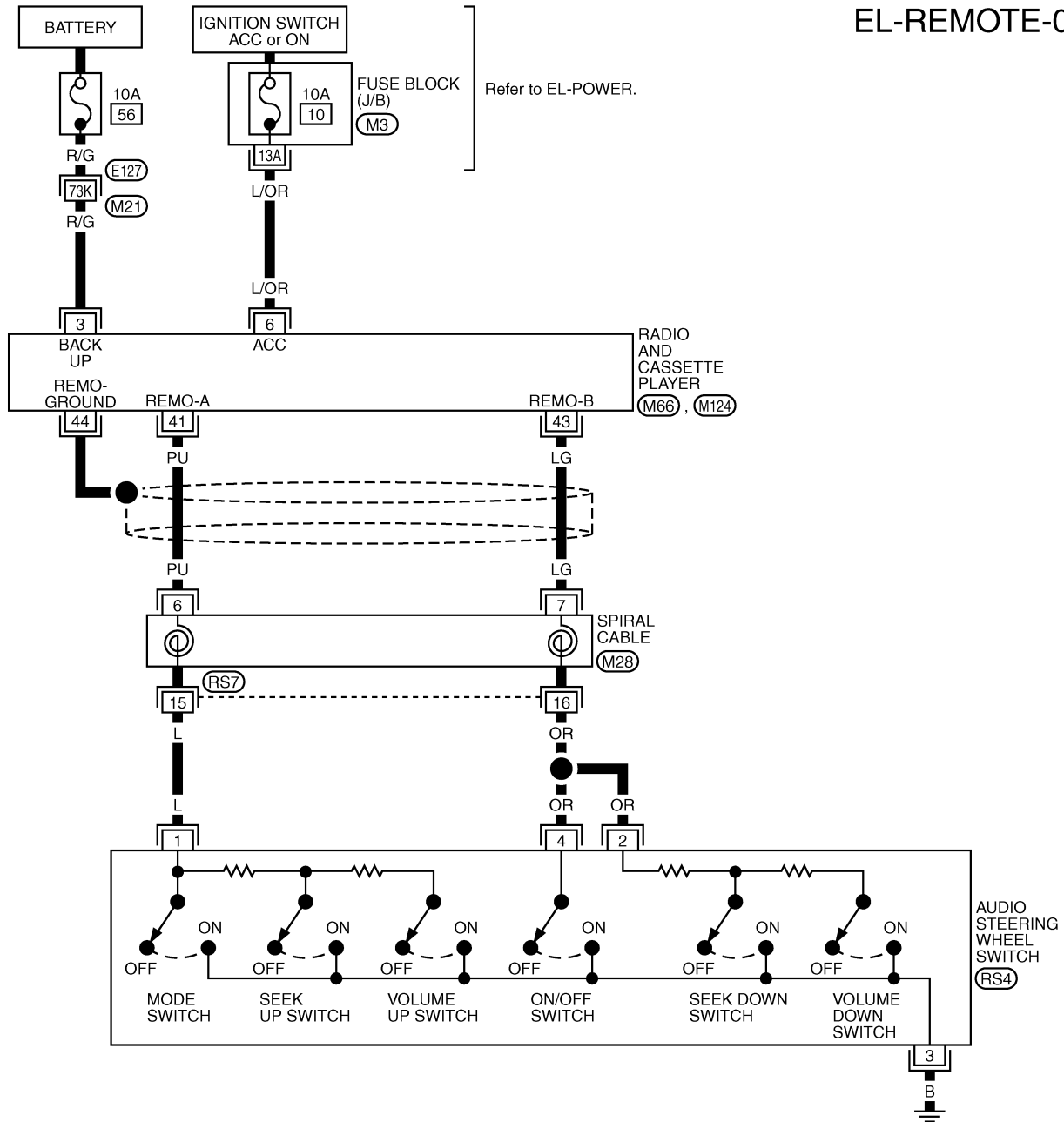
★: This connector is not shown in "HARNESS LAYOUT", EL section.

# AUDIO/WAGON AND HARDTOP MODELS

## Wiring Diagram — REMOTE —

### FM-AM TUNER RADIO WITH SUB-HARNESS

EL-REMOTE-01



Refer to last page (Foldout page).  
 (M21), (E127)  
 (M3)

\*: This connector is not shown in "HARNESS LAYOUT", EL section.

GI  
 MA  
 EM  
 LC  
 EC  
 FE  
 CL  
 MT  
 AT  
 TF  
 PD  
 FA  
 RA  
 BR  
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**EL**  
 SE  
 IDX

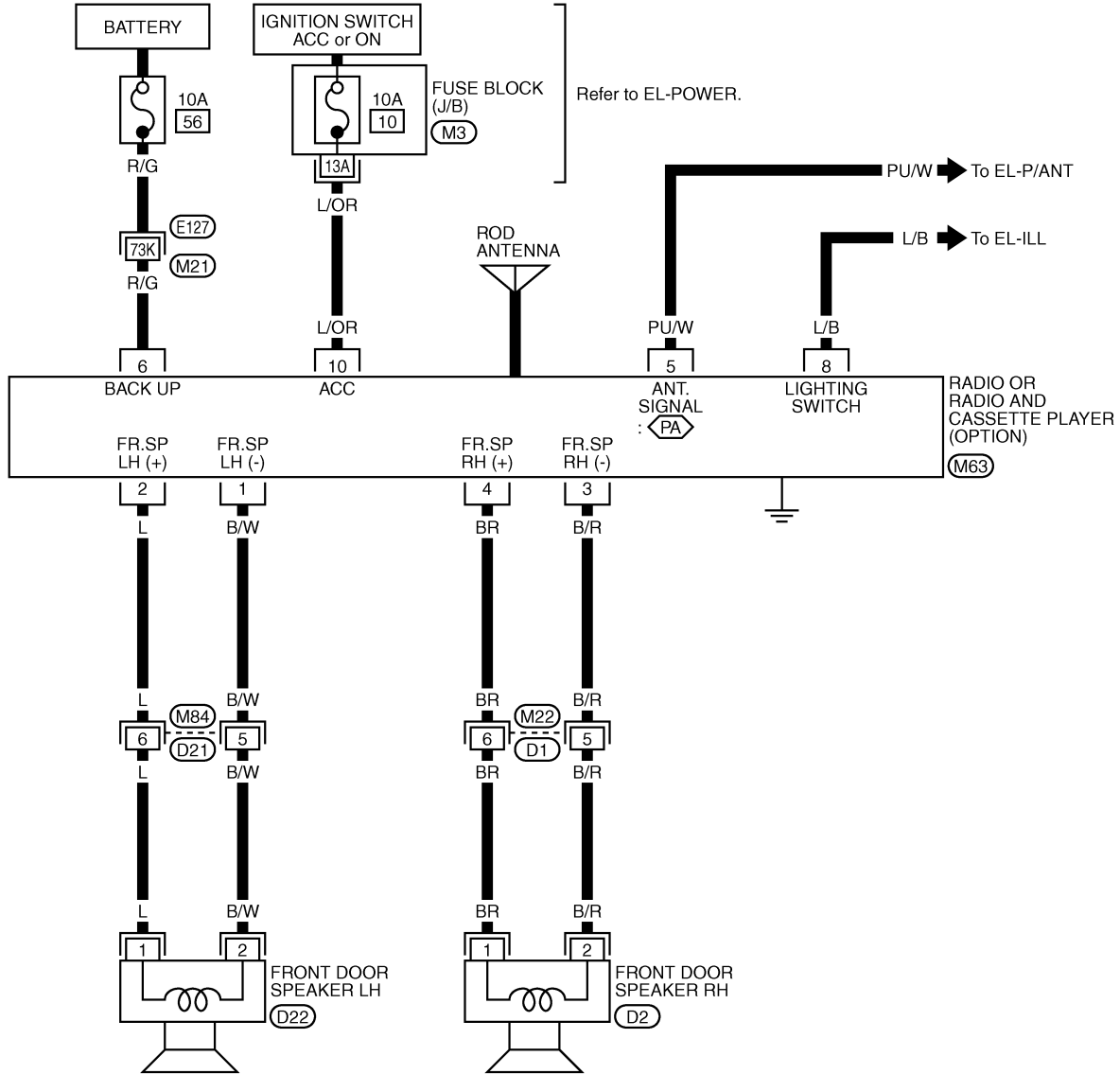
# AUDIO/PICKUP MODELS

## Wiring Diagram — AUDIO —/RHD Models

### MODELS WITH TWO SPEAKERS

EL-AUDIO-01

⬡PA⬢ : With power antenna



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

(M22) W  
(M84) W

10	8	6	4	2	

(M63) W


(D2) BR  
(D22) BR

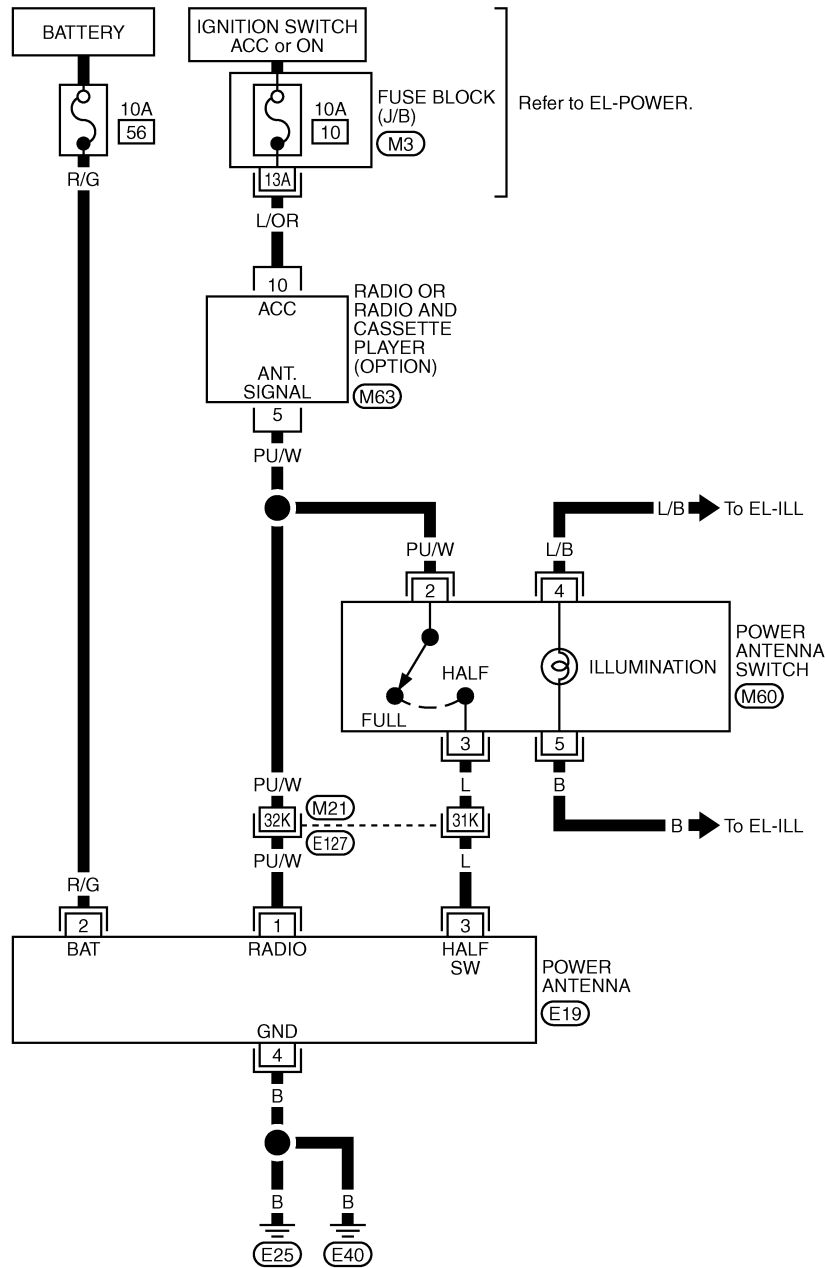
Refer to last page (Foldout page).

(M21), (E127)  
(M3)

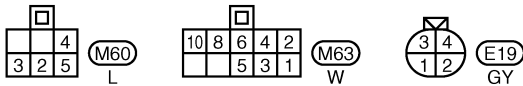
# AUDIO ANTENNA/PICKUP MODELS

## Wiring Diagram — P/ANT —/RHD Models

EL-P/ANT-01



GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
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RS  
BT  
HA  
EL  
SE  
IDX



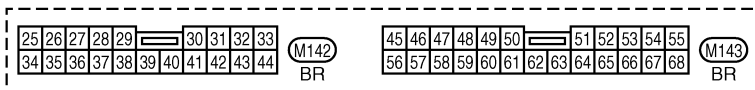
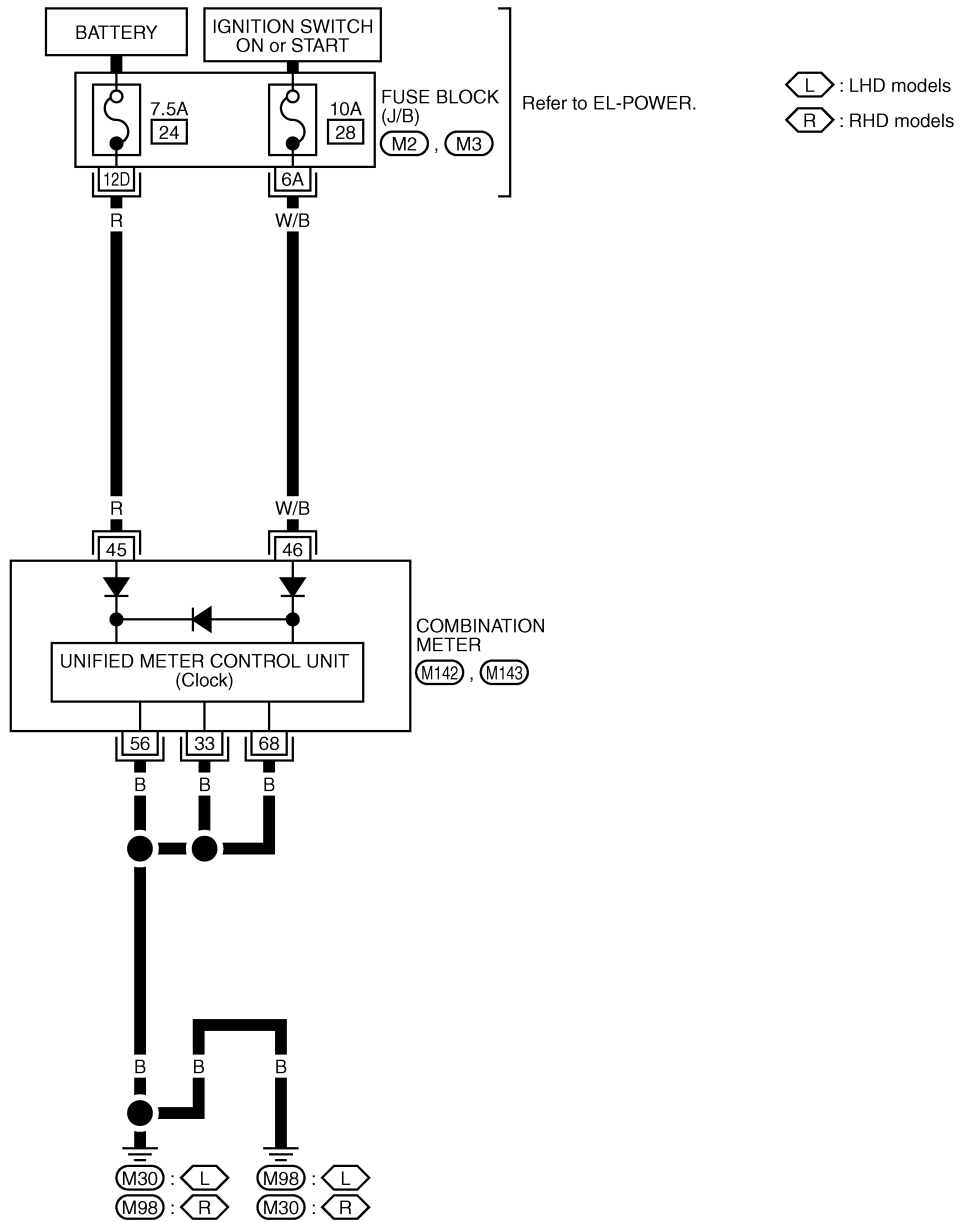
Refer to last page (Foldout page).

M21, E127  
M3

# CLOCK

## Wiring Diagram — CLOCK —

EL-CLOCK-01

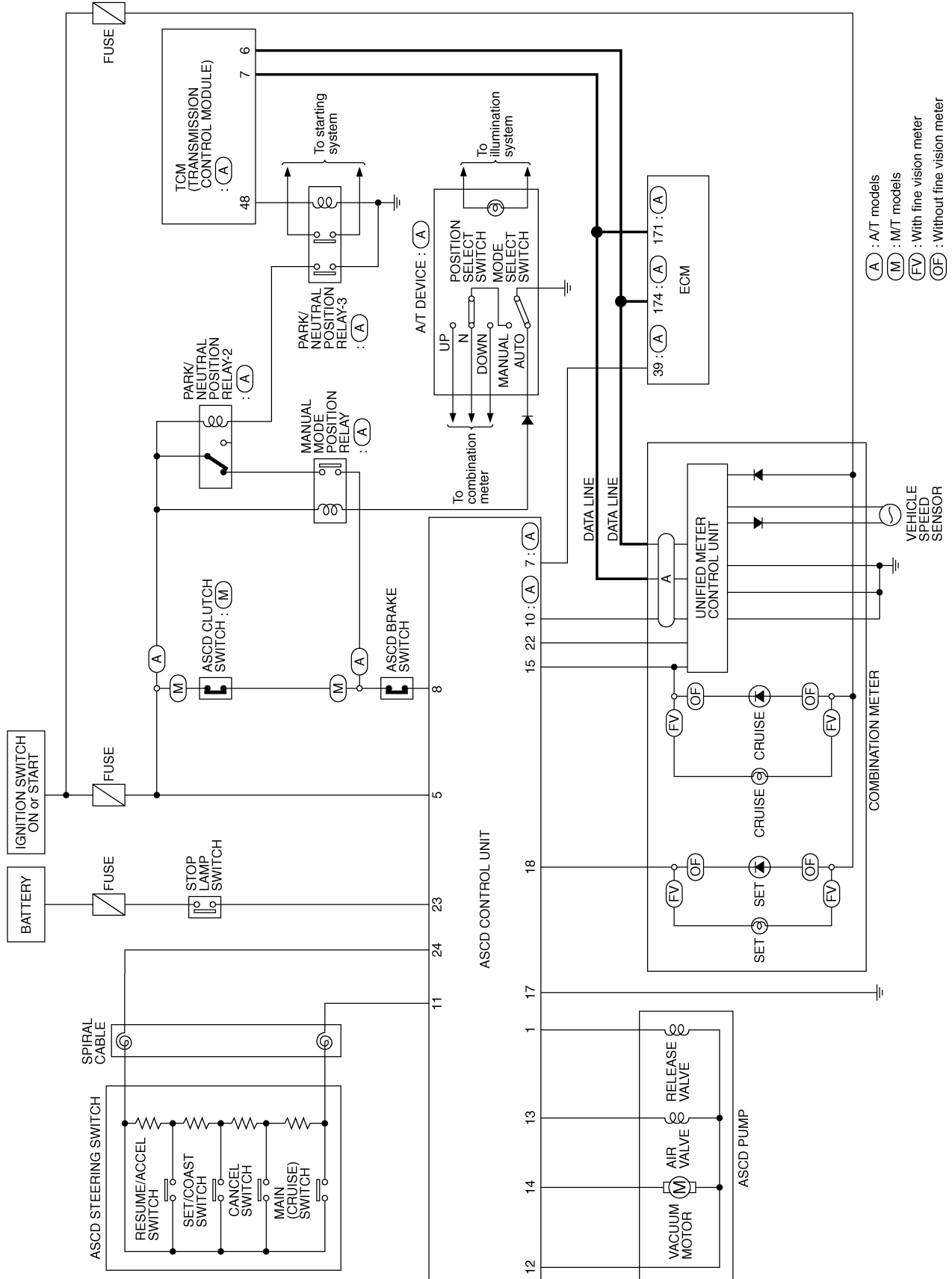


Refer to last page (Foldout page).



## Schematic/TB48 and TD42Ti Engine Models

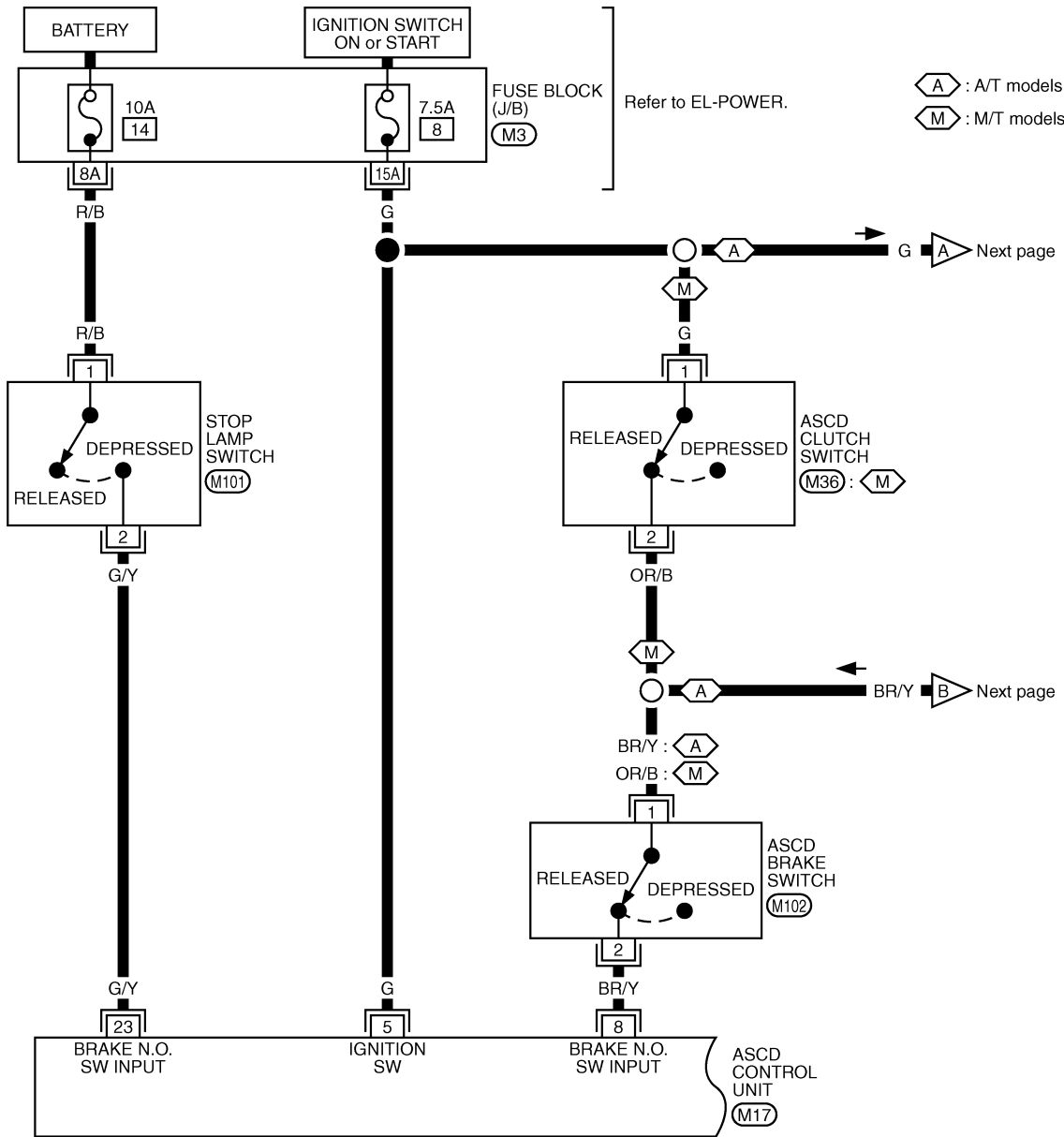
GI  
 MA  
 EM  
 LC  
 EC  
 FE  
 CL  
 MT  
 AT  
 TF  
 PD  
 FA  
 RA  
 BR  
 ST  
 RS  
 BT  
 HA  
**EL**  
 SE  
 IDX



# AUTOMATIC SPEED CONTROL DEVICE (ASCD)/WAGON AND HARDTOP MODELS

## Wiring Diagram — ASCD —/TB48 and TD42Ti Engine Models

EL-ASCD-01



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

(M17)  
BR

1 2

(M36) L, (M102) L

1 2 (M101) B

Refer to last page (Foldout page).

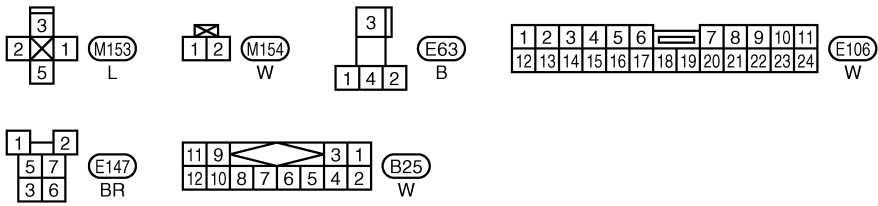
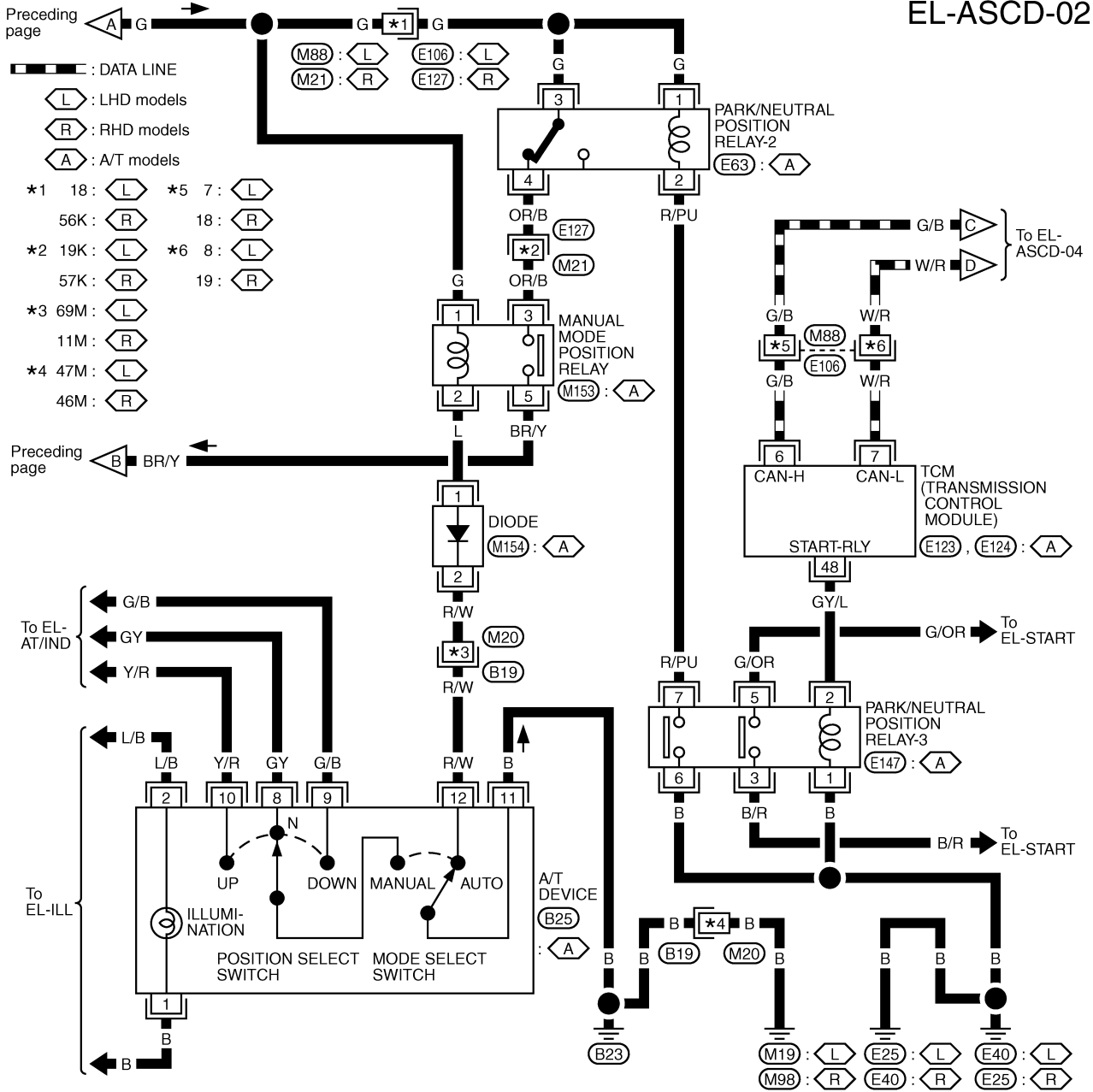
(M3)



# AUTOMATIC SPEED CONTROL DEVICE (ASCD)/WAGON AND HARDTOP MODELS

## Wiring Diagram — ASCD —/TB48 and TD42Ti Engine Models (Cont'd)

EL-ASCD-02



Refer to last page (Foldout page).

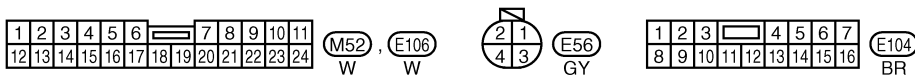
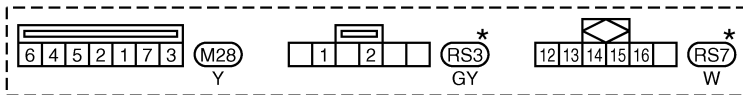
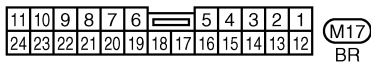
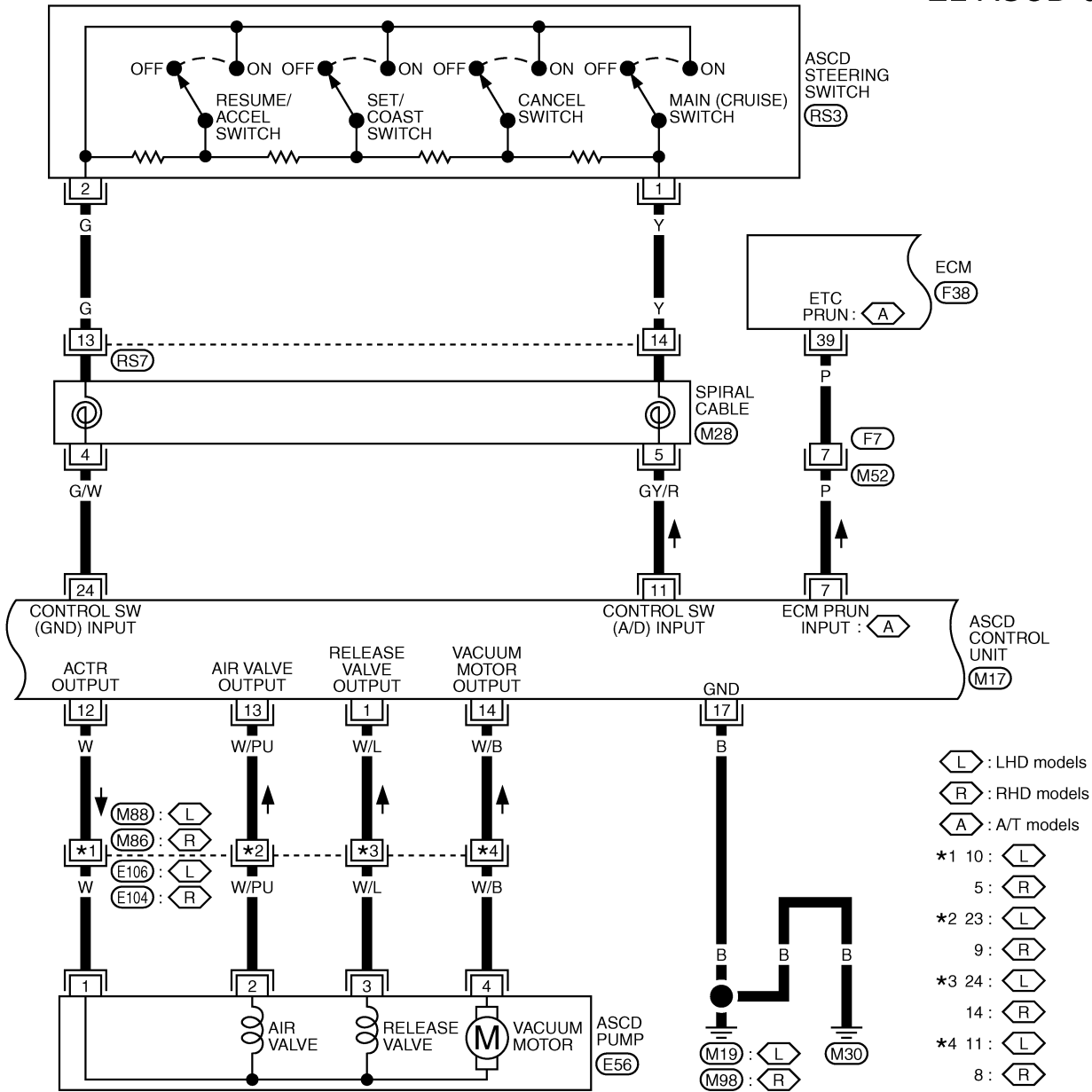
- (M20), (B19)
- (M21), (E127)
- (E123)
- (E124)

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

# AUTOMATIC SPEED CONTROL DEVICE (ASCD)/WAGON AND HARDTOP MODELS

## Wiring Diagram — ASCD —/TB48 and TD42Ti Engine Models (Cont'd)

EL-ASCD-03



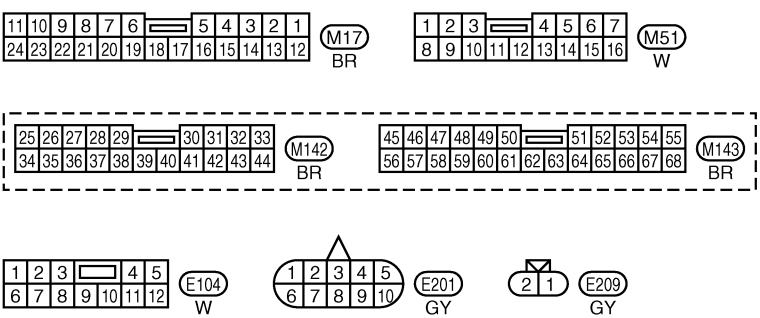
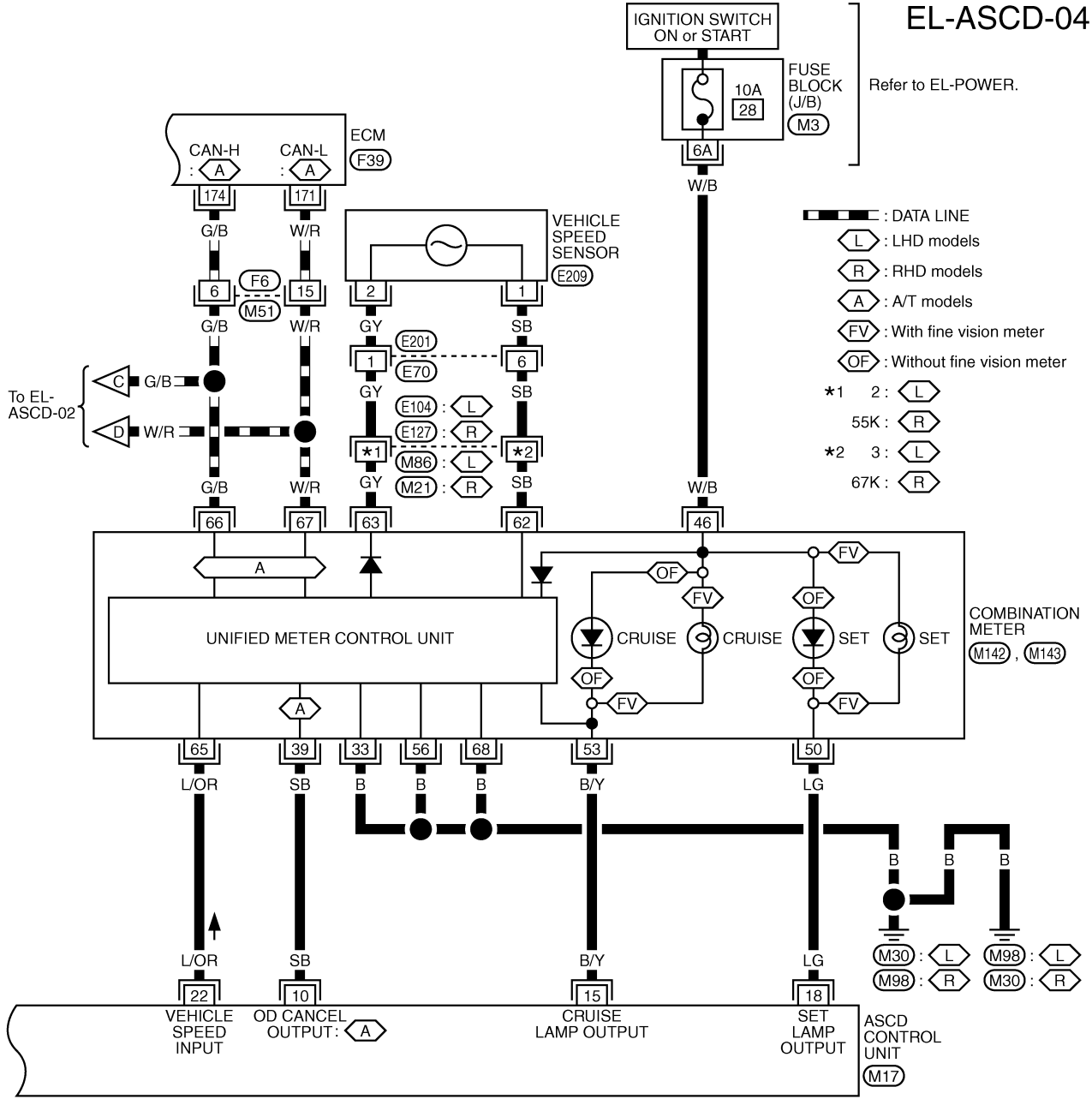
\*: This connector is not shown in "HARNESS LAYOUT", EL section.

Refer to last page (Foldout page).

(F38)

# AUTOMATIC SPEED CONTROL DEVICE (ASCD)/WAGON AND HARDTOP MODELS

## Wiring Diagram — ASCD —/TB48 and TD42Ti Engine Models (Cont'd)



Refer to last page (Foldout page).

(M21), (E127)

(M3)

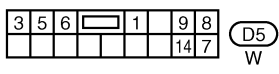
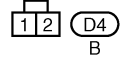
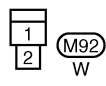
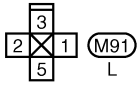
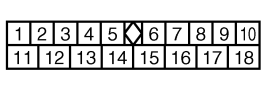
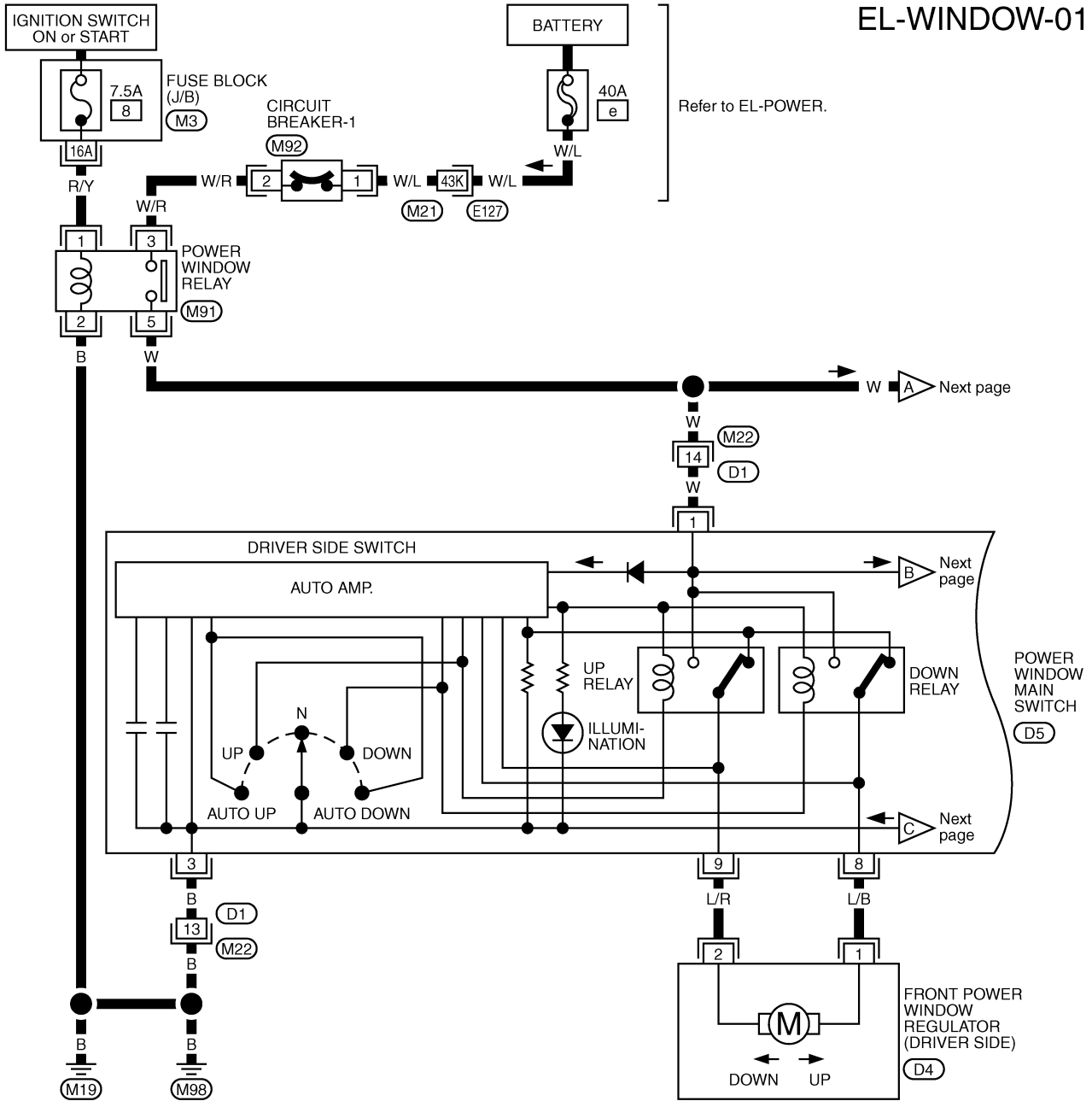
(F39)

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

# POWER WINDOW/PICKUP MODELS

## Wiring Diagram — WINDOW —

EL-WINDOW-01

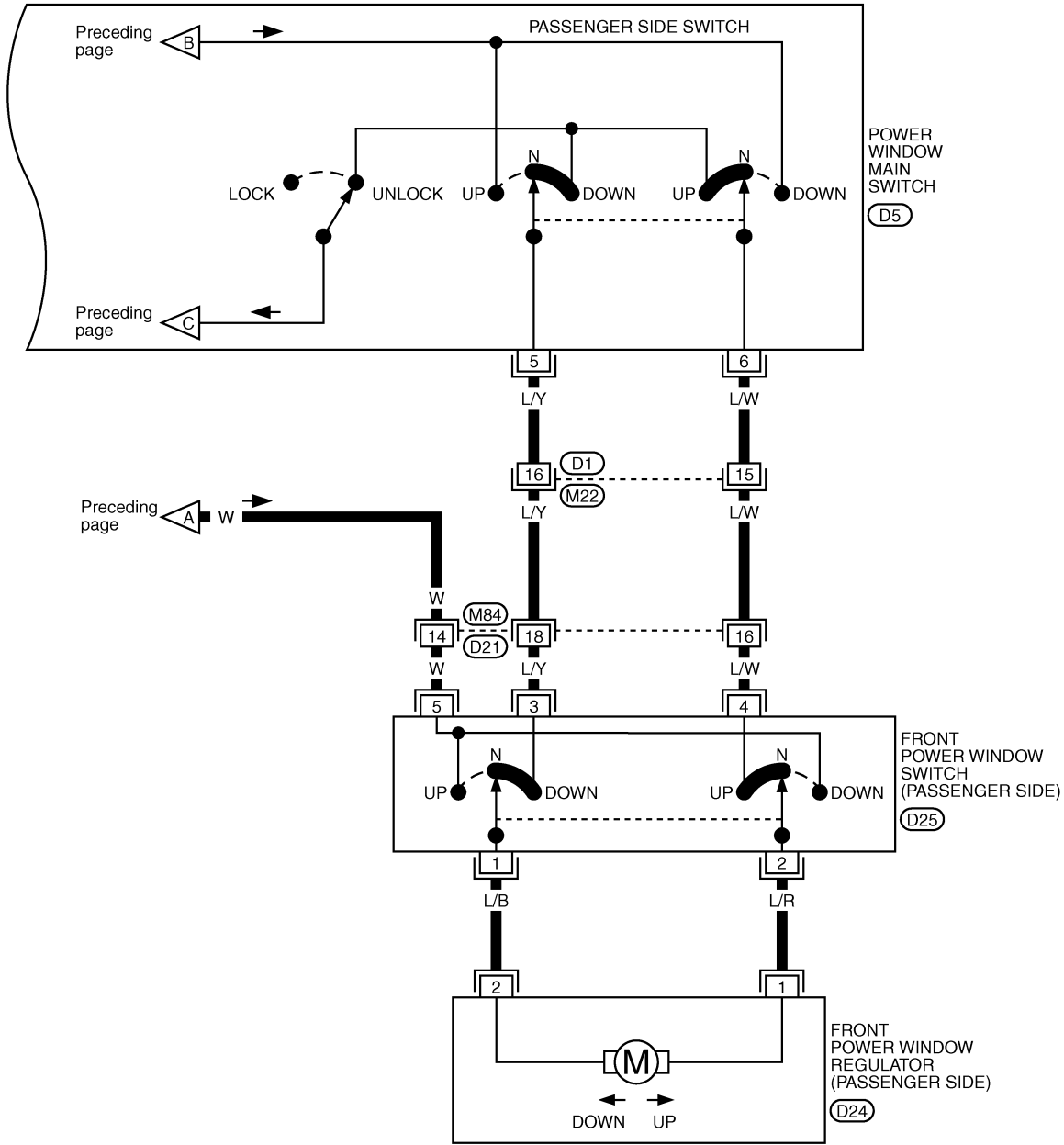


Refer to last page (Foldout page).  
 (M21), (E127)  
 (M3)

# POWER WINDOW/PICKUP MODELS

## Wiring Diagram — WINDOW — (Cont'd)

EL-WINDOW-02



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

(M22)  
W

(M84)  
W

3	5	6		1	9	8
					14	7

(D5)  
W

1	2
---	---

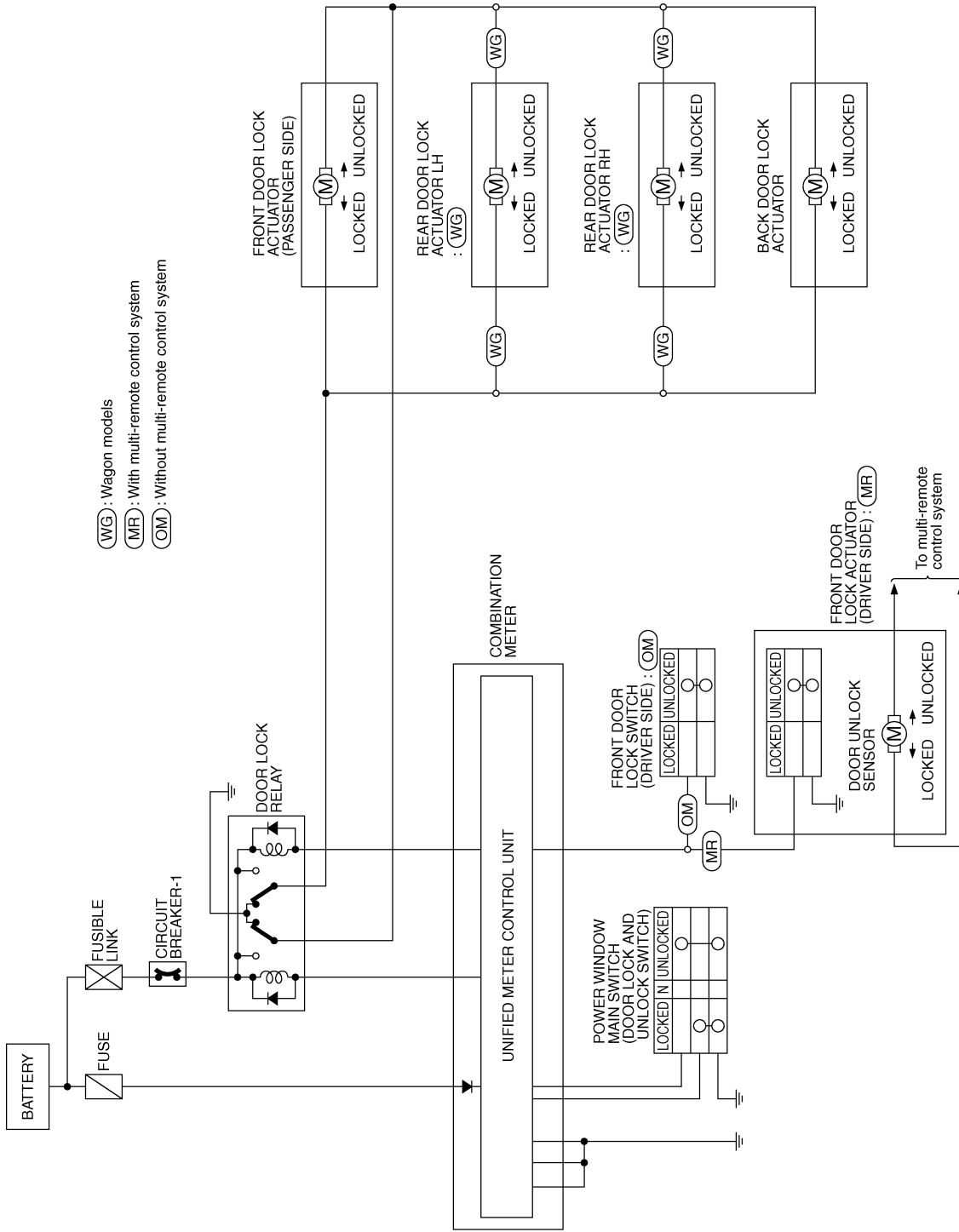
(D24)  
B

4	1	3	2	5

(D25)  
W

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

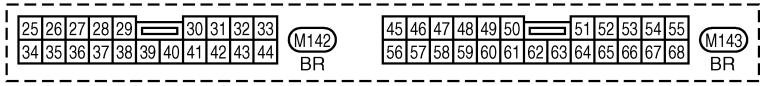
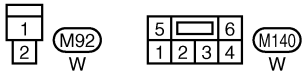
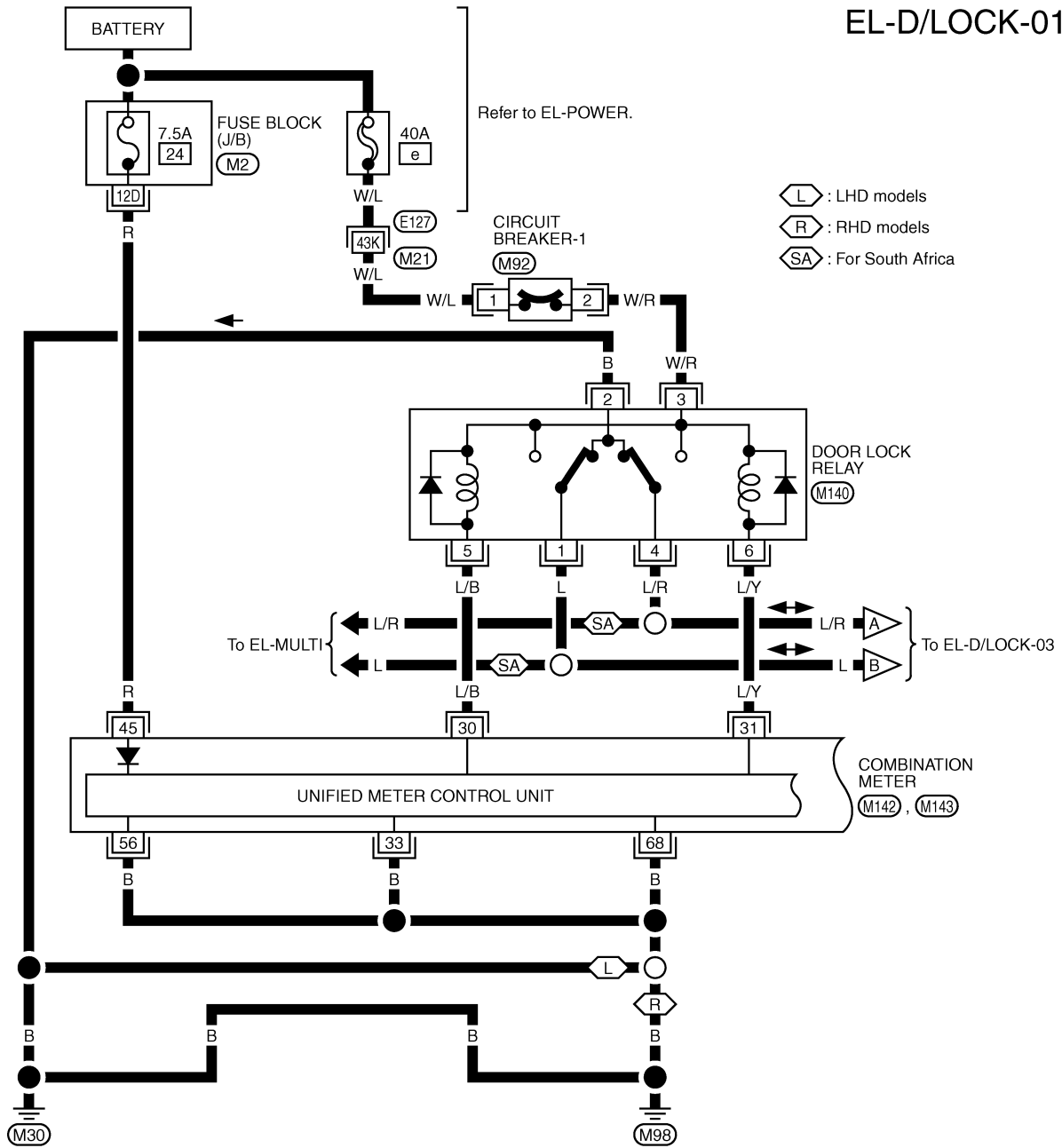
Schematic/Without Theft Warning System Models



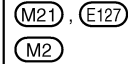
# POWER DOOR LOCK/WAGON AND HARDTOP MODELS

## Wiring Diagram — D/LOCK —/Without Theft Warning System Models

EL-D/LOCK-01



Refer to last page (Foldout page).

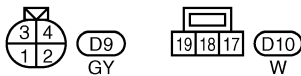
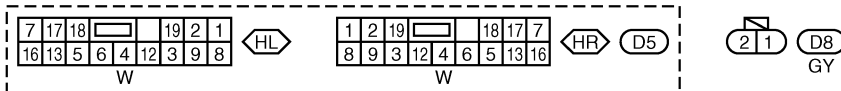
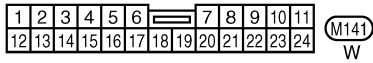
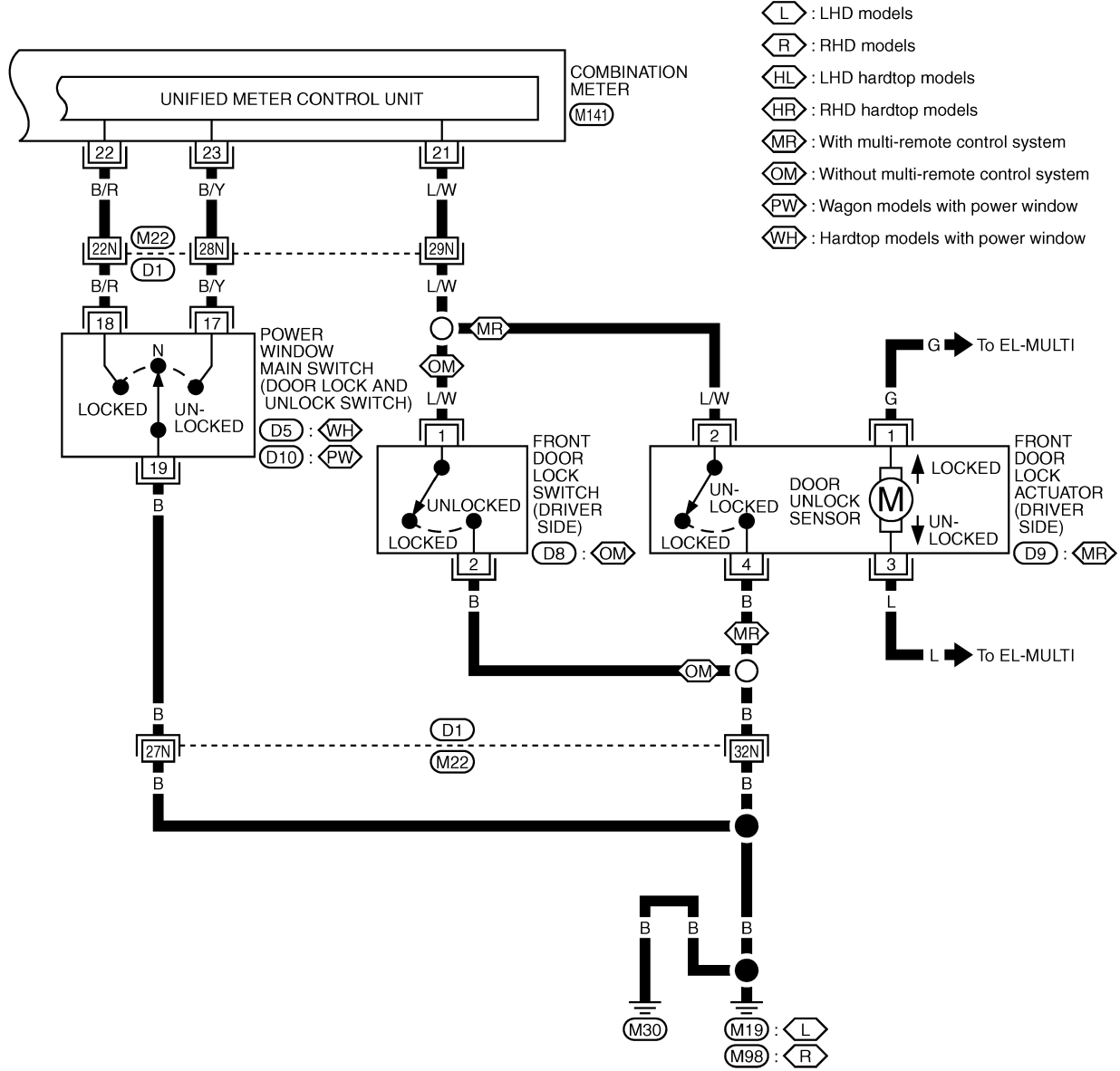


GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

# POWER DOOR LOCK/WAGON AND HARDTOP MODELS

## Wiring Diagram — D/LOCK —/Without Theft Warning System Models (Cont'd)

EL-D/LOCK-02



Refer to last page (Foldout page).

M22, D1



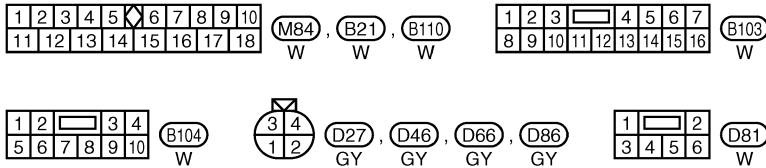
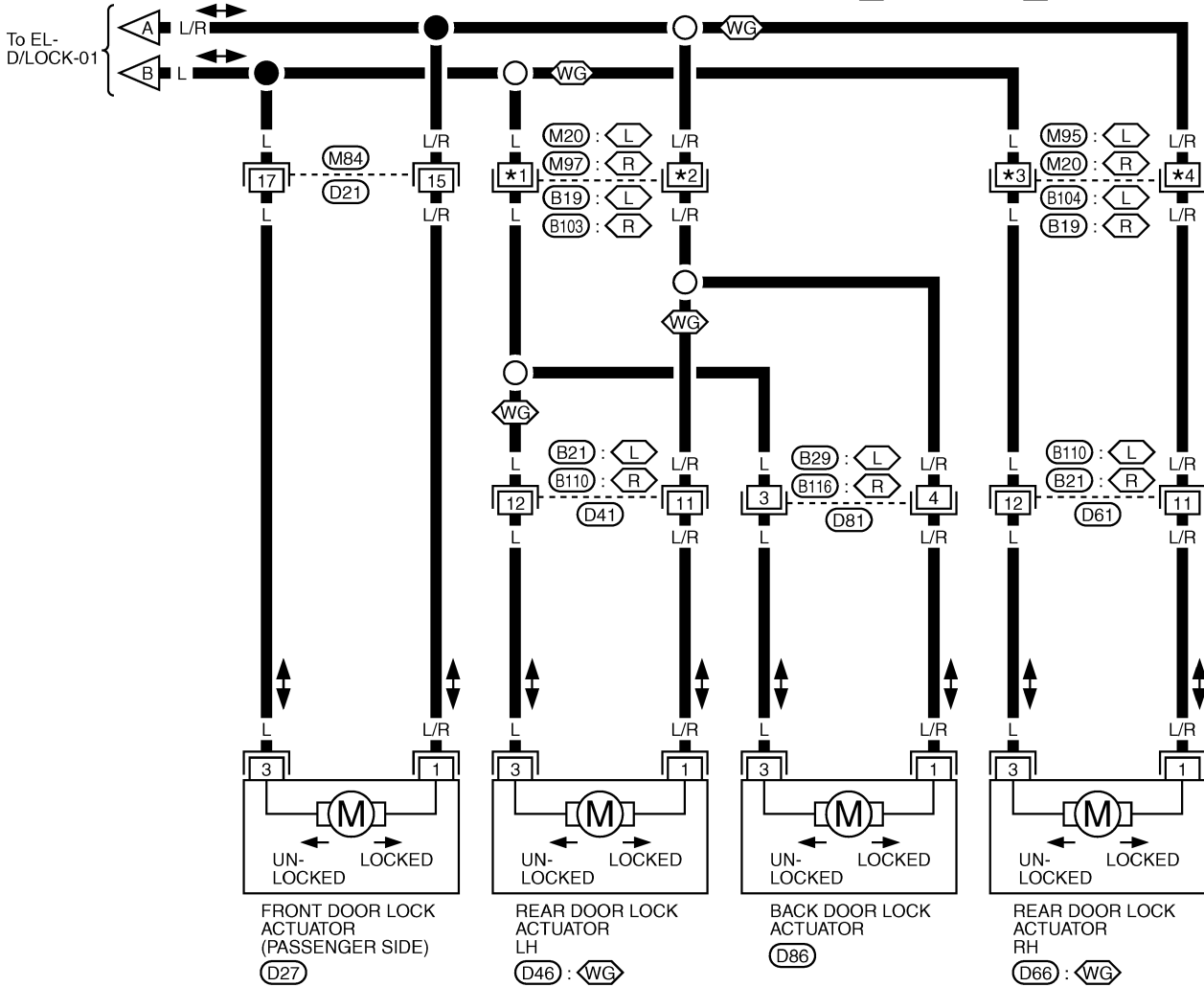
# POWER DOOR LOCK/WAGON AND HARDTOP MODELS

## Wiring Diagram — D/LOCK —/Without Theft Warning System Models (Cont'd)

EL-D/LOCK-03

- : LHD models
- : RHD models
- : Wagon models

- \*1 39M: \*3 3:
- 13: 39M:
- \*2 43M: \*4 4:
- 12: 43M:



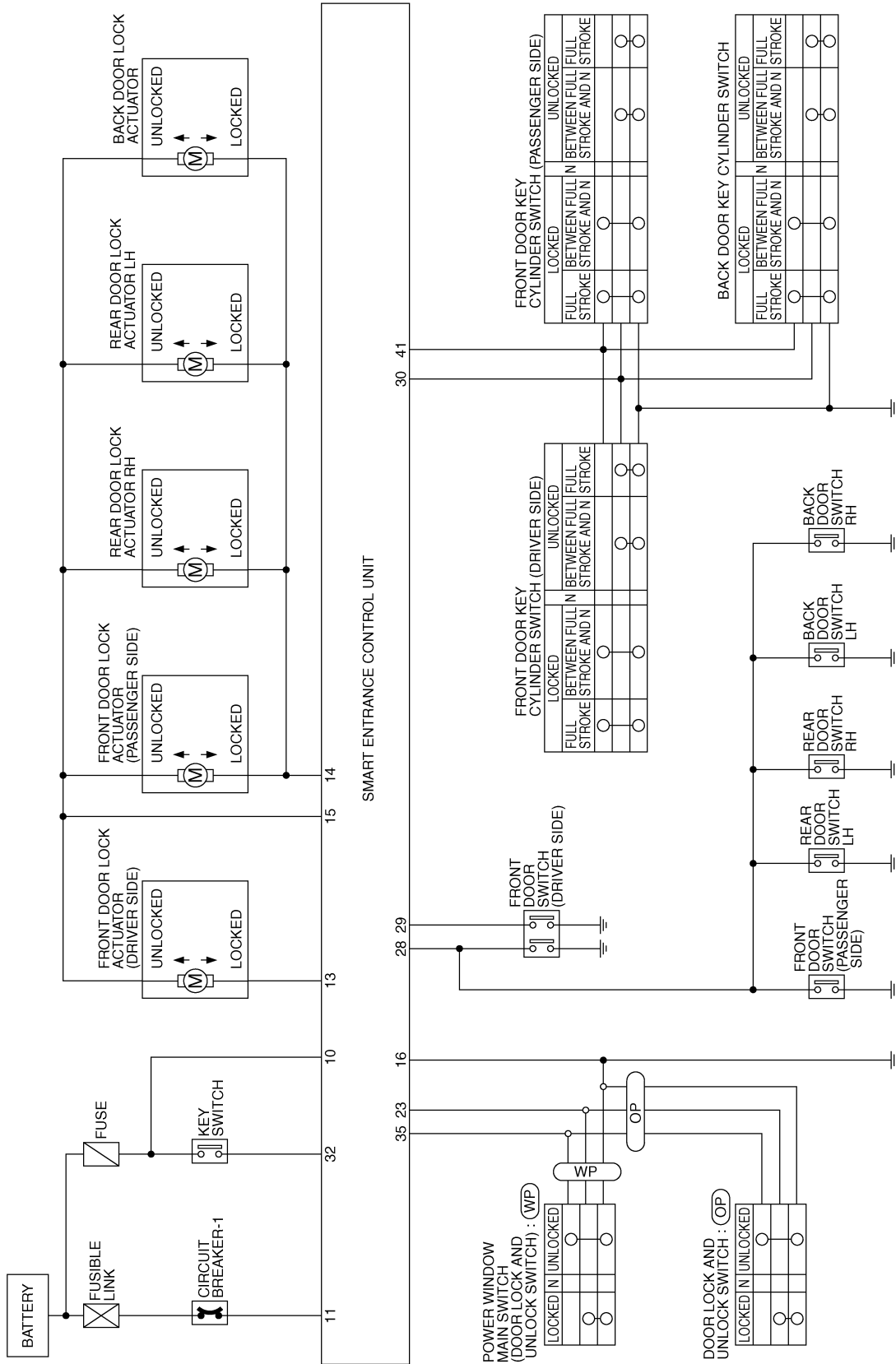
Refer to last page (Foldout page).  
M20, B19

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

# POWER DOOR LOCK/WAGON AND HARDTOP MODELS

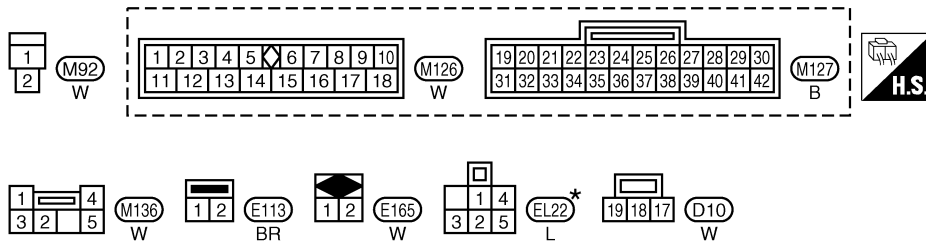
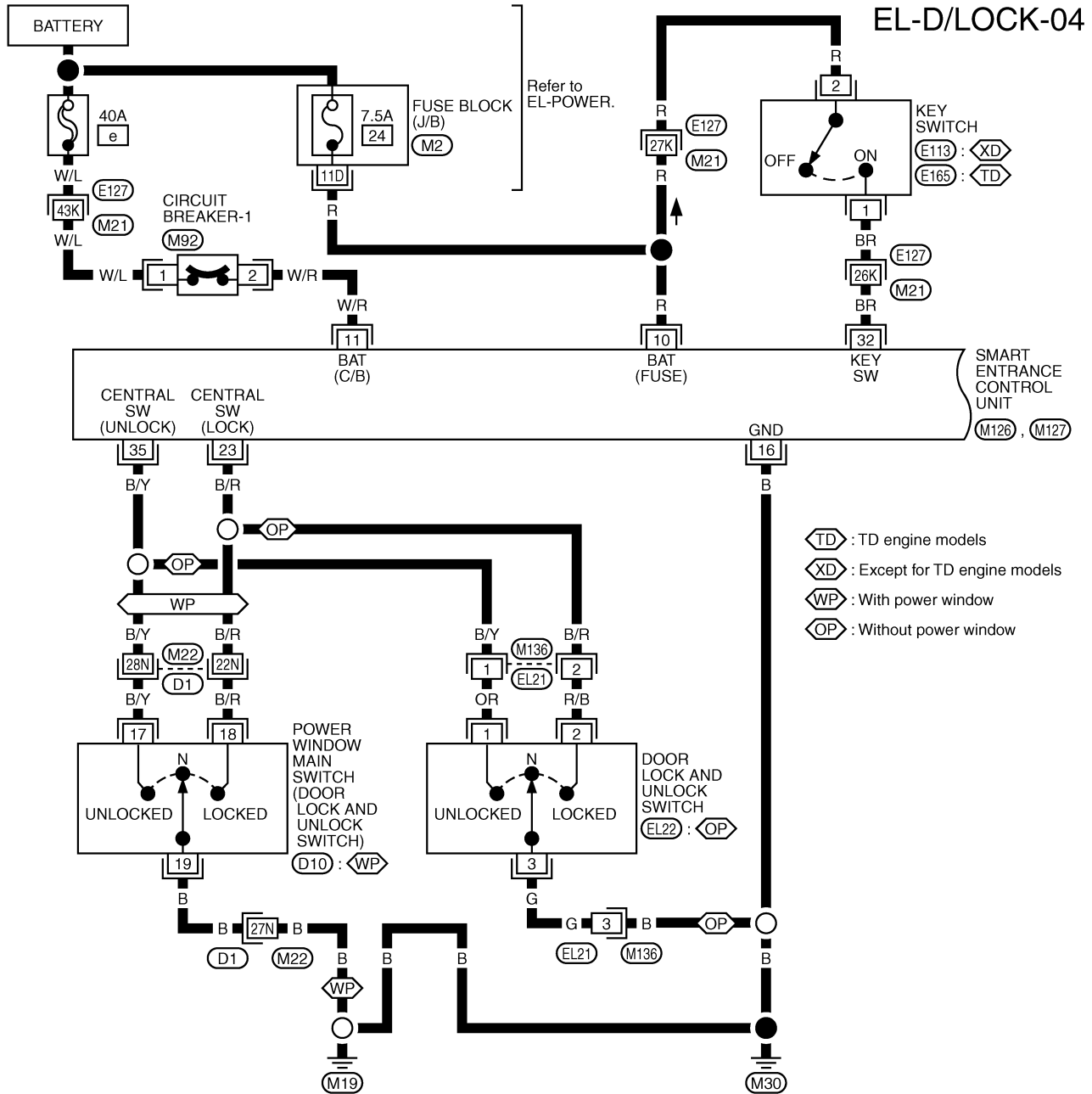
## Schematic/With Theft Warning System Models

(WP) : With power window  
 (OP) : Without power window



Wiring Diagram — D/LOCK —/With Theft Warning System Models

LHD MODELS



Refer to last page (Foldout page).

- M21, E127
- M22, D1
- M2

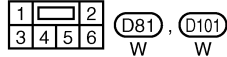
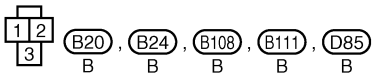
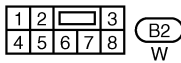
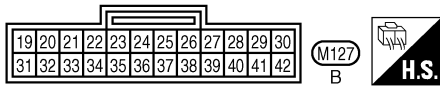
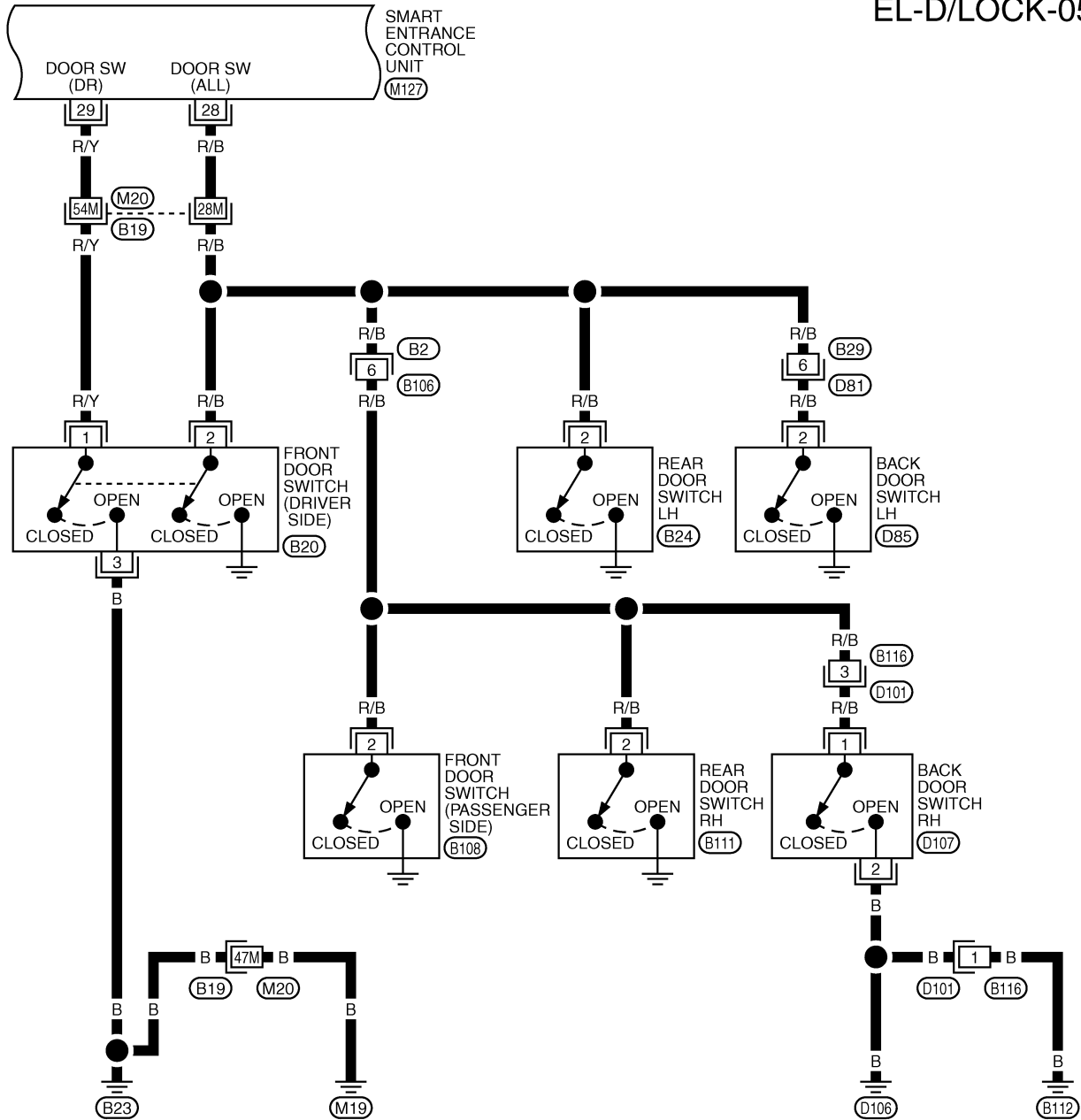
\*: This connector is not shown in "HARNES LAYOUT", EL section.

GI  
 MA  
 EM  
 LC  
 EC  
 FE  
 CL  
 MT  
 AT  
 TF  
 PD  
 FA  
 RA  
 BR  
 ST  
 RS  
 BT  
 HA  
 EL  
 SE  
 IDX

# POWER DOOR LOCK/WAGON AND HARDTOP MODELS

## Wiring Diagram — D/LOCK —/With Theft Warning System Models (Cont'd)

EL-D/LOCK-05



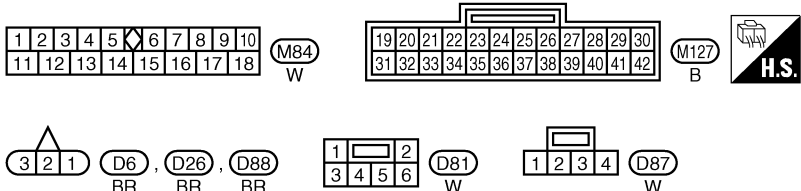
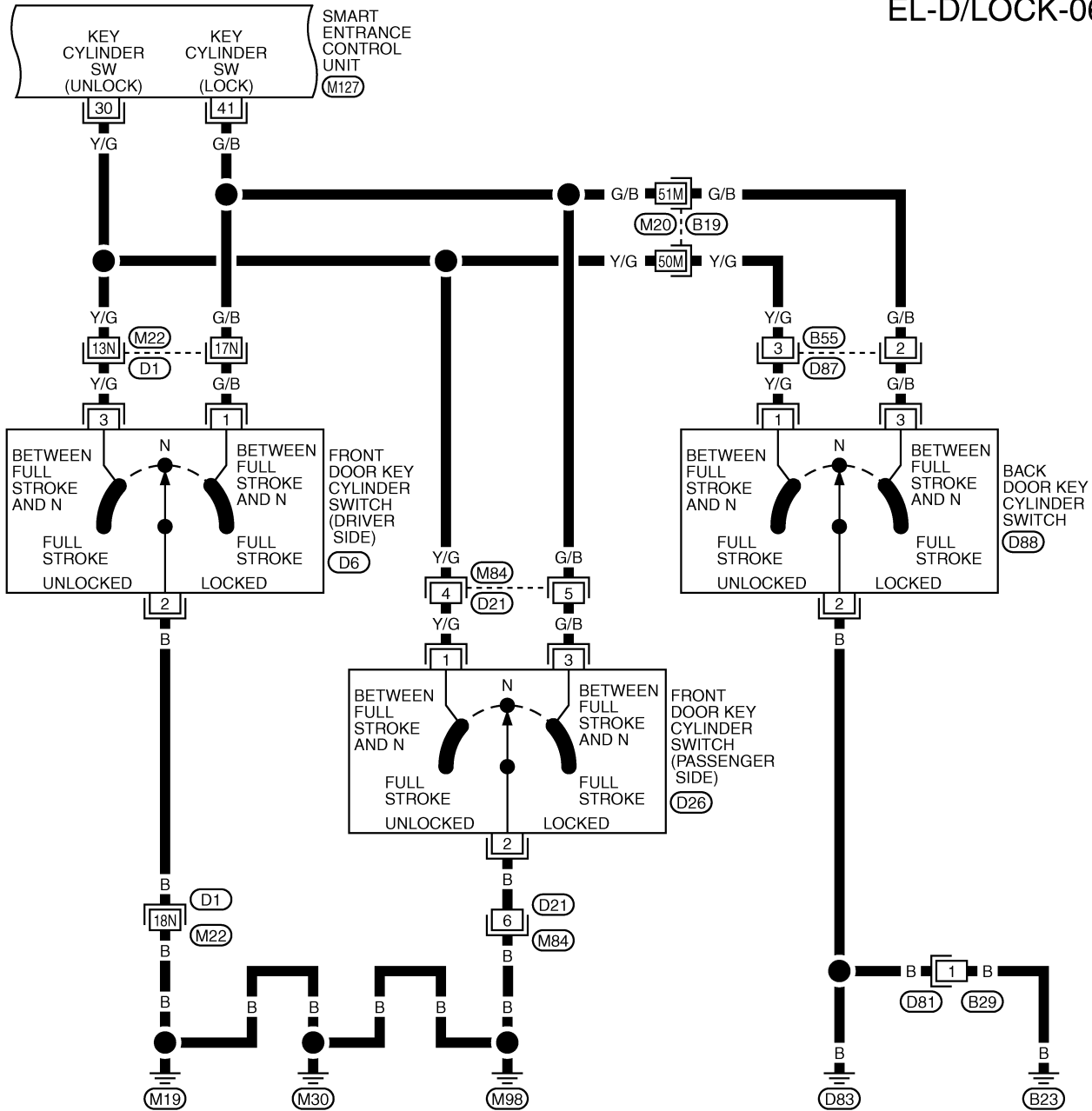
Refer to last page (Foldout page).  
M20, B19

# POWER DOOR LOCK/WAGON AND HARDTOP MODELS

## Wiring Diagram — D/LOCK —/With Theft Warning System Models (Cont'd)

EL-D/LOCK-06

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX



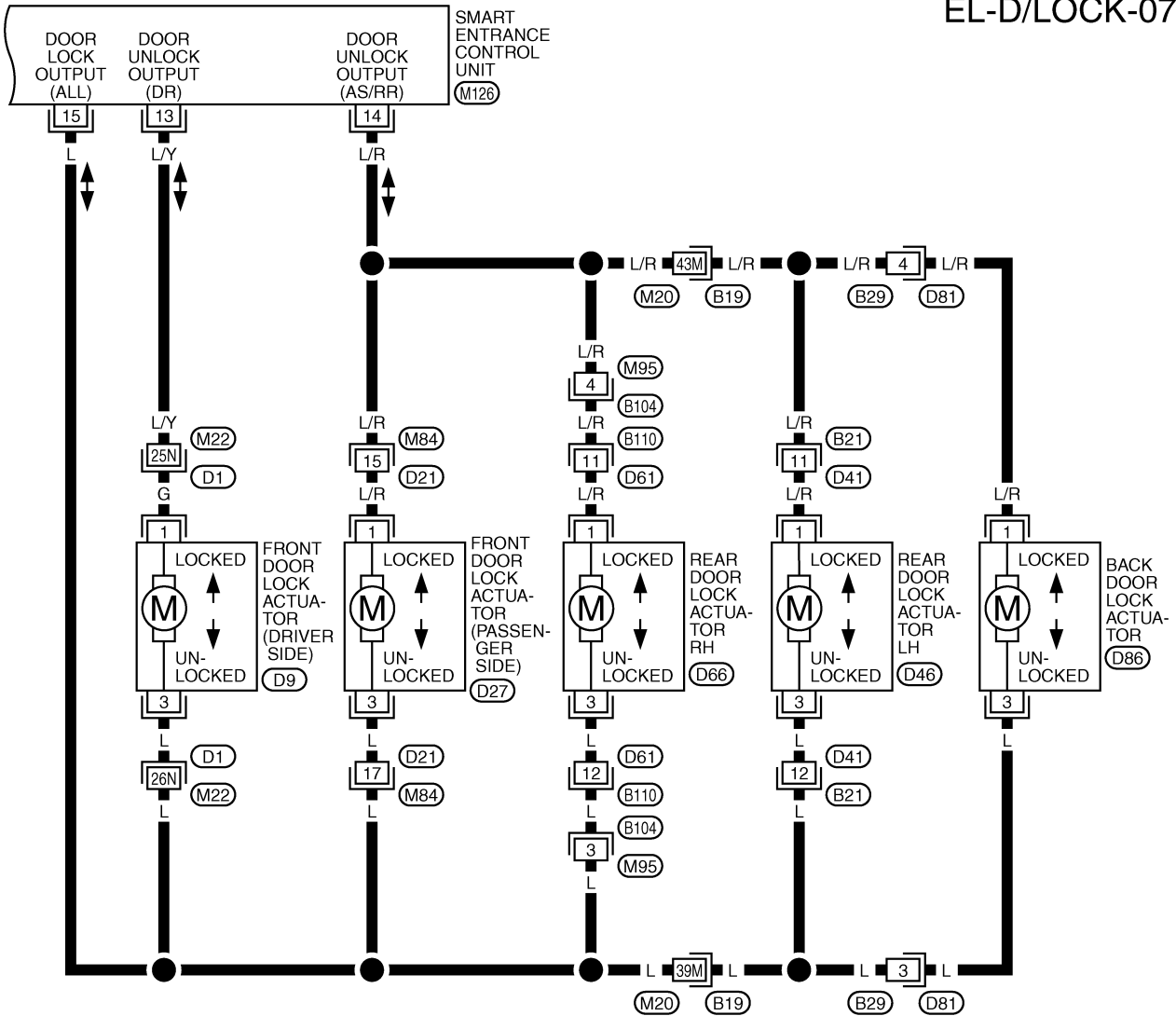
Refer to last page (Foldout page).

M20, B19  
M22, D1

# POWER DOOR LOCK/WAGON AND HARDTOP MODELS

## Wiring Diagram — D/LOCK —/With Theft Warning System Models (Cont'd)


EL-D/LOCK-07



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

(M84), (B21), (B110)  
W W W

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

(M126)   
W

1	2	3	4
5	6	7	8

(B104)  
W



(D9), (D27), (D46), (D66), (D86)  
GY GY GY GY GY

1	2
3	4

(D81)  
W

Refer to last page (Foldout page).

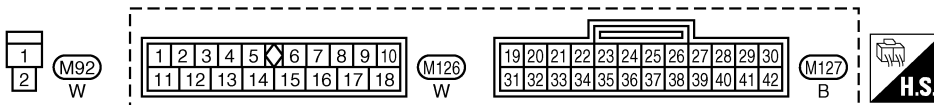
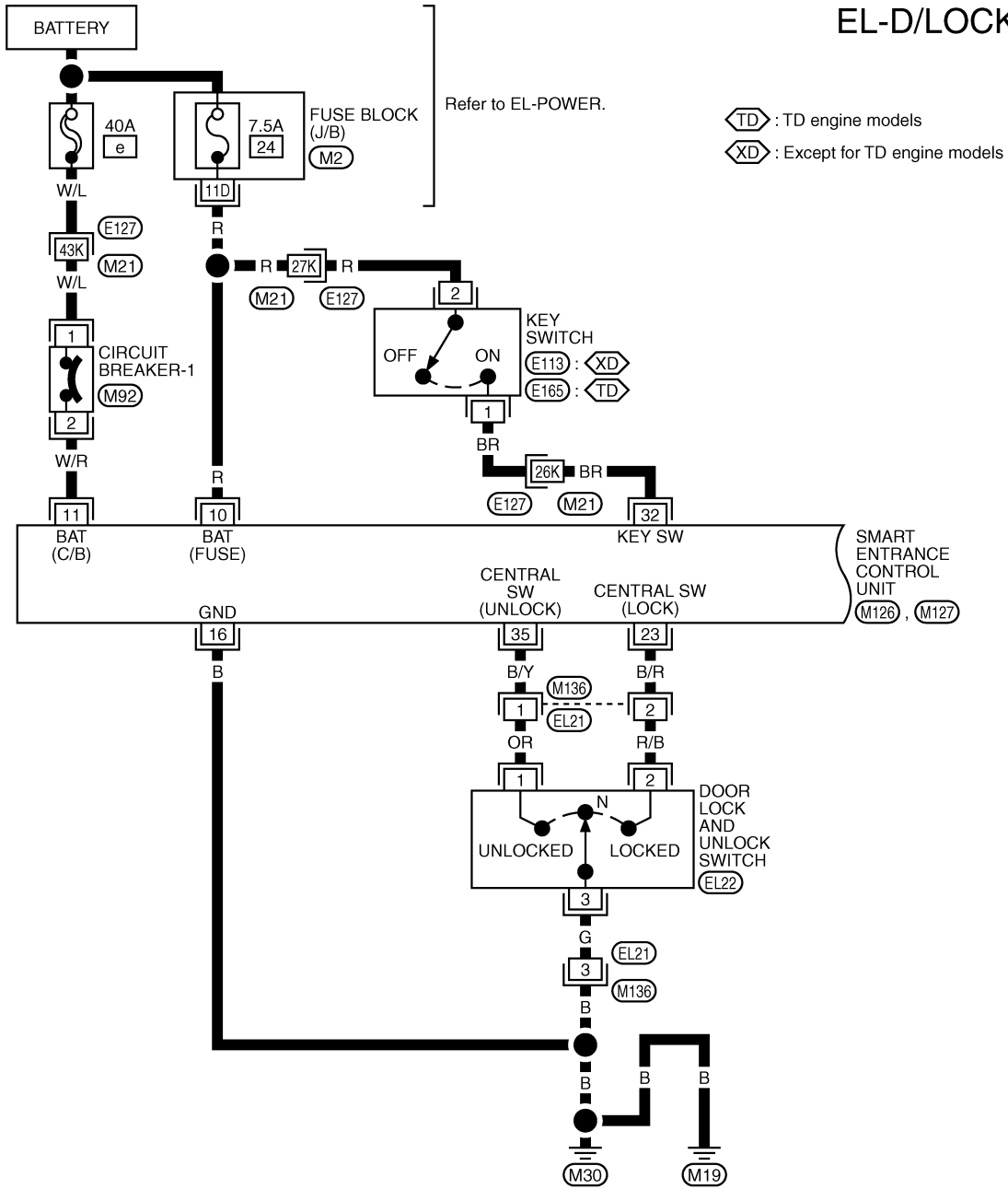
(M20), (B19)  
(M22), (D1)

# POWER DOOR LOCK/WAGON AND HARDTOP MODELS

## Wiring Diagram — D/LOCK —/With Theft Warning System Models (Cont'd)

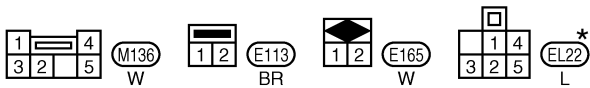
RHD MODELS

EL-D/LOCK-08



Refer to last page (Foldout page).

(M21), (E127)  
(M2)



\*: This connector is not shown in "HARNESS LAYOUT", EL section.

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

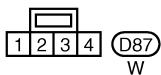
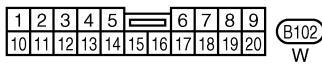
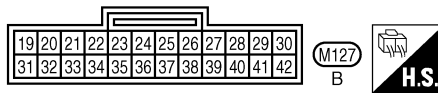
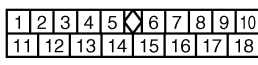
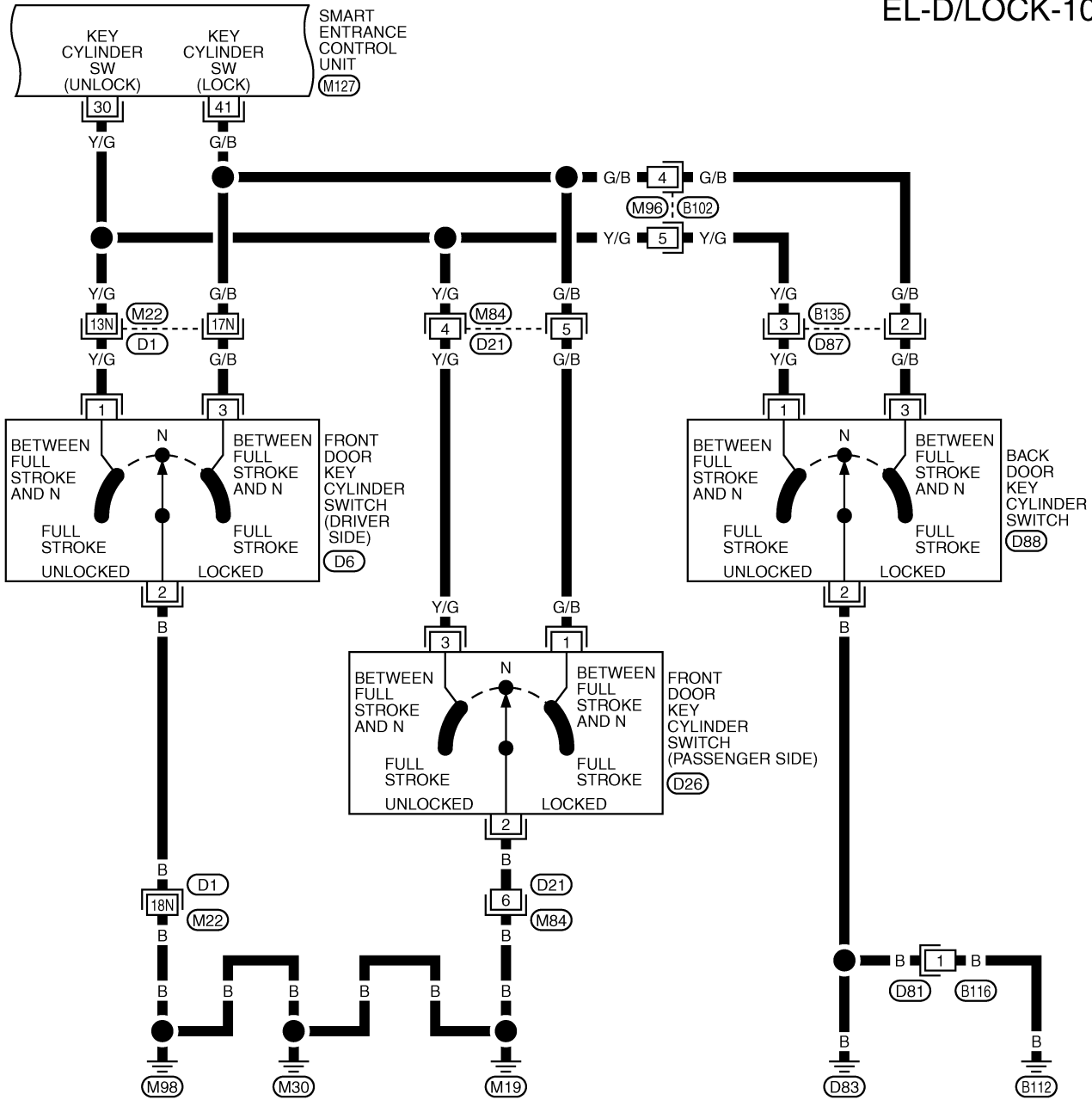




# POWER DOOR LOCK/WAGON AND HARDTOP MODELS

## Wiring Diagram — D/LOCK —/With Theft Warning System Models (Cont'd)

EL-D/LOCK-10



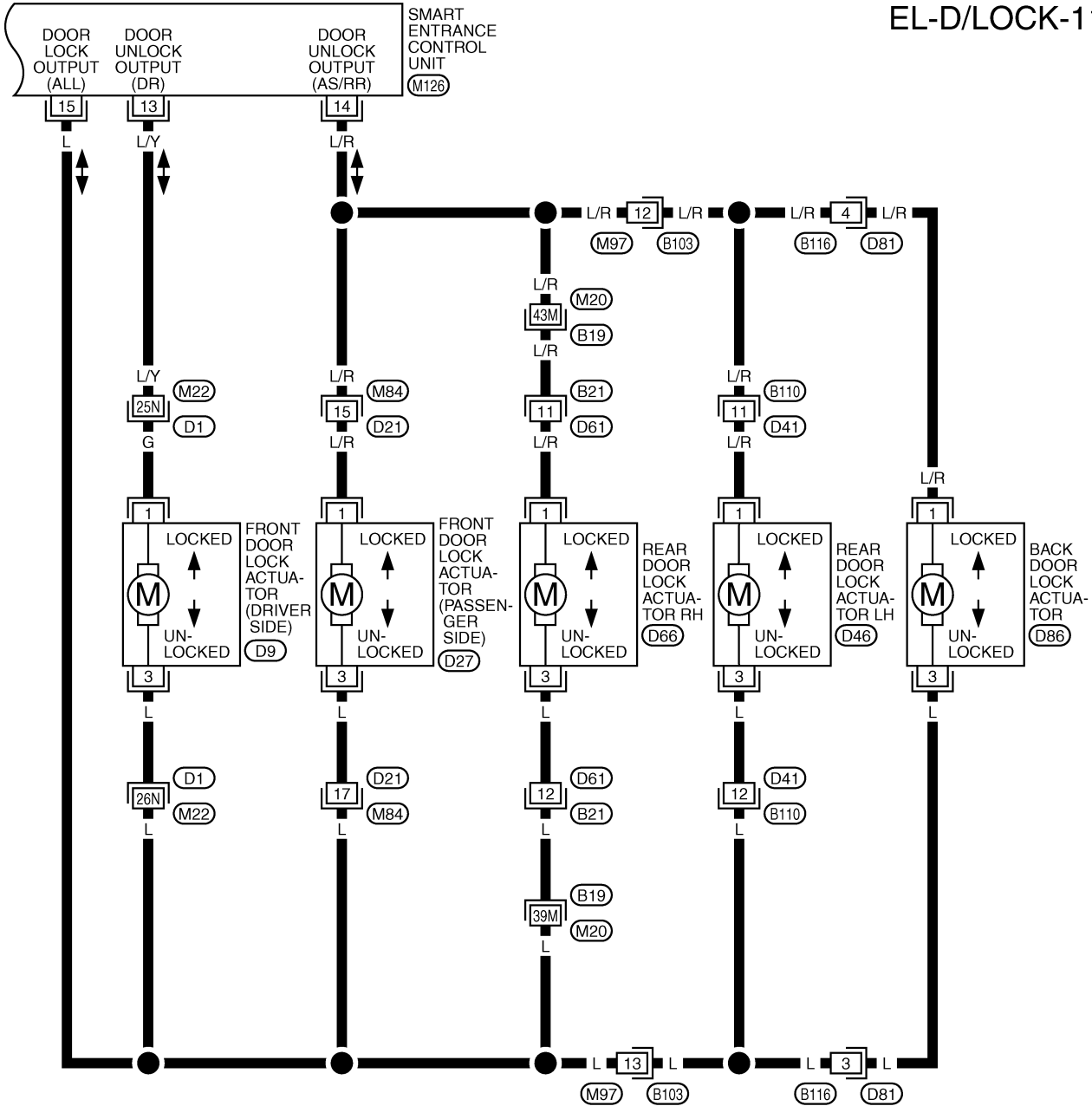
Refer to last page (Foldout page).  
M22, D1

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

# POWER DOOR LOCK/WAGON AND HARDTOP MODELS

## Wiring Diagram — D/LOCK —/With Theft Warning System Models (Cont'd)

EL-D/LOCK-11



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

(M84), (B21), (B110)  
W W W

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

(M126) W

1	2	3	4	5	6	7
8	9	10	11	12	13	14

(B103)  
W



(D9), (D27), (D46), (D66), (D86)  
GY GY GY GY GY

1	2
3	4

(D81)  
W

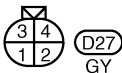
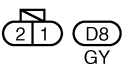
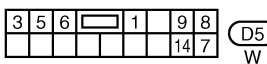
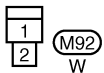
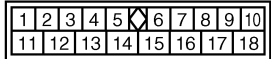
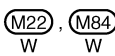
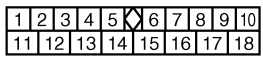
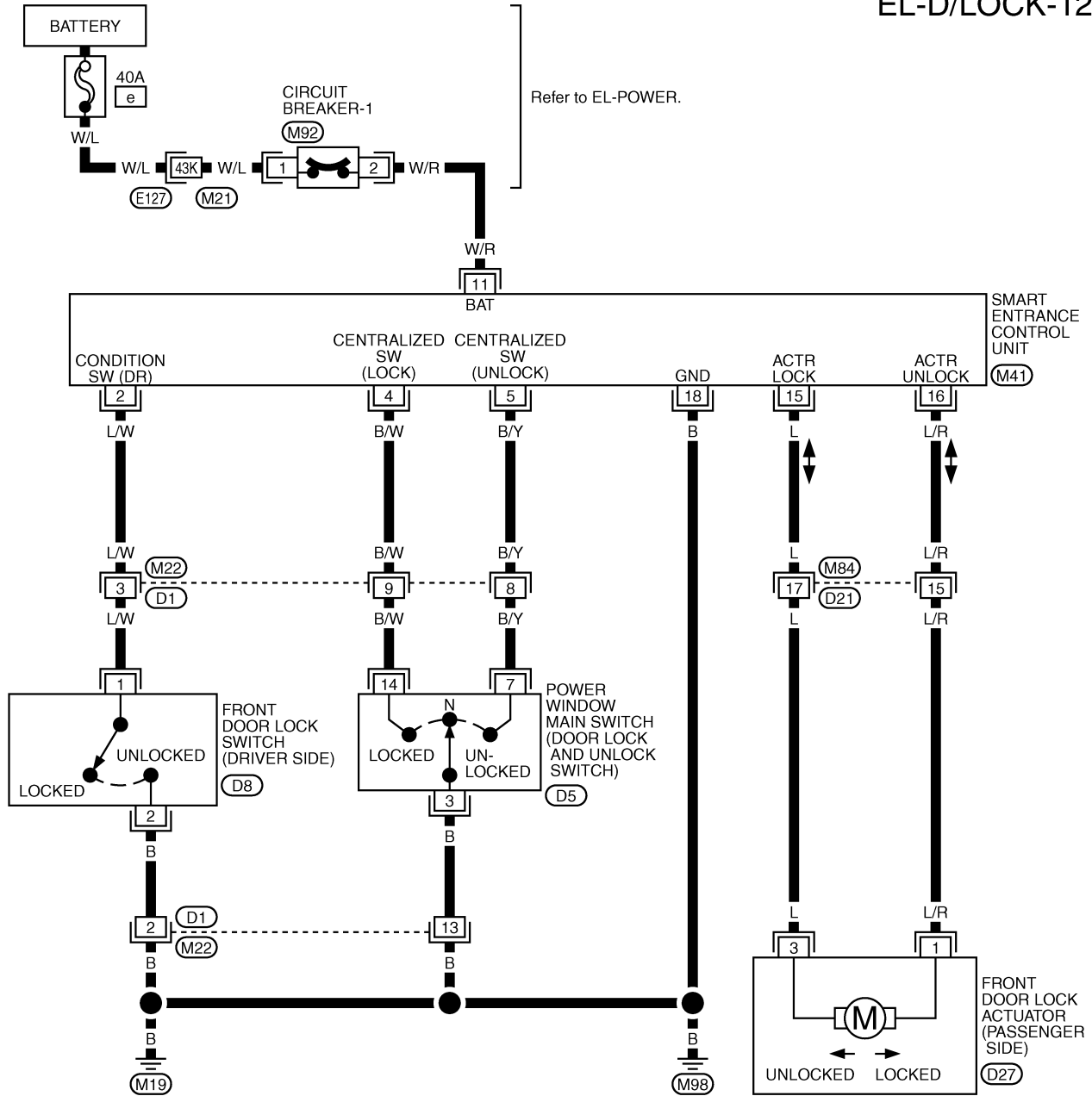
Refer to last page (Foldout page).

(M20), (B19)  
(M22), (D1)

# POWER DOOR LOCK/PICKUP MODELS

## Wiring Diagram — D/LOCK —

EL-D/LOCK-12



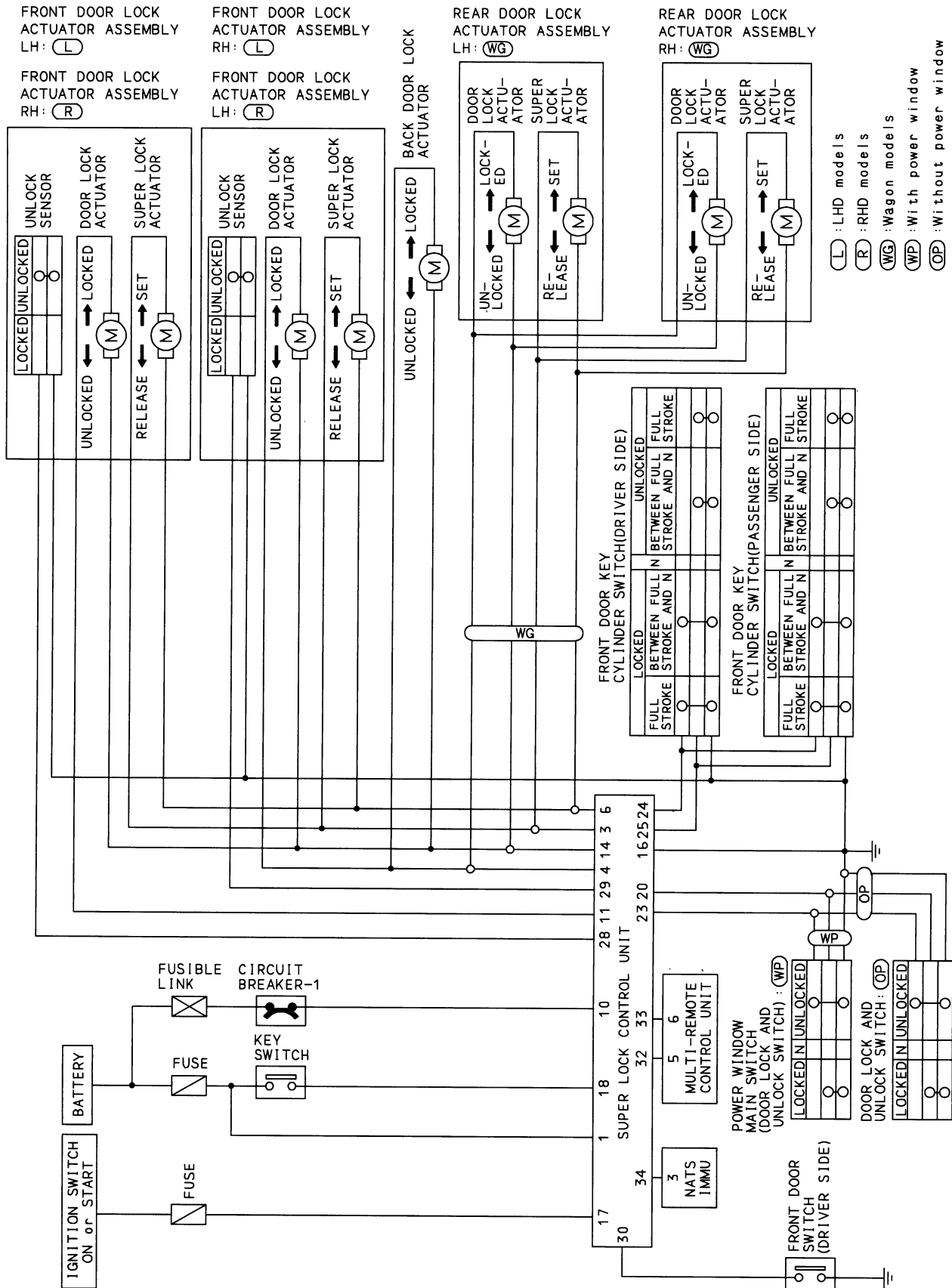
Refer to last page (Foldout page).  
(M21) (E127)

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX



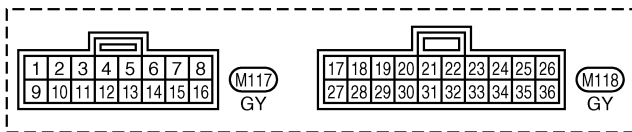
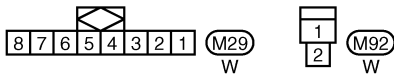
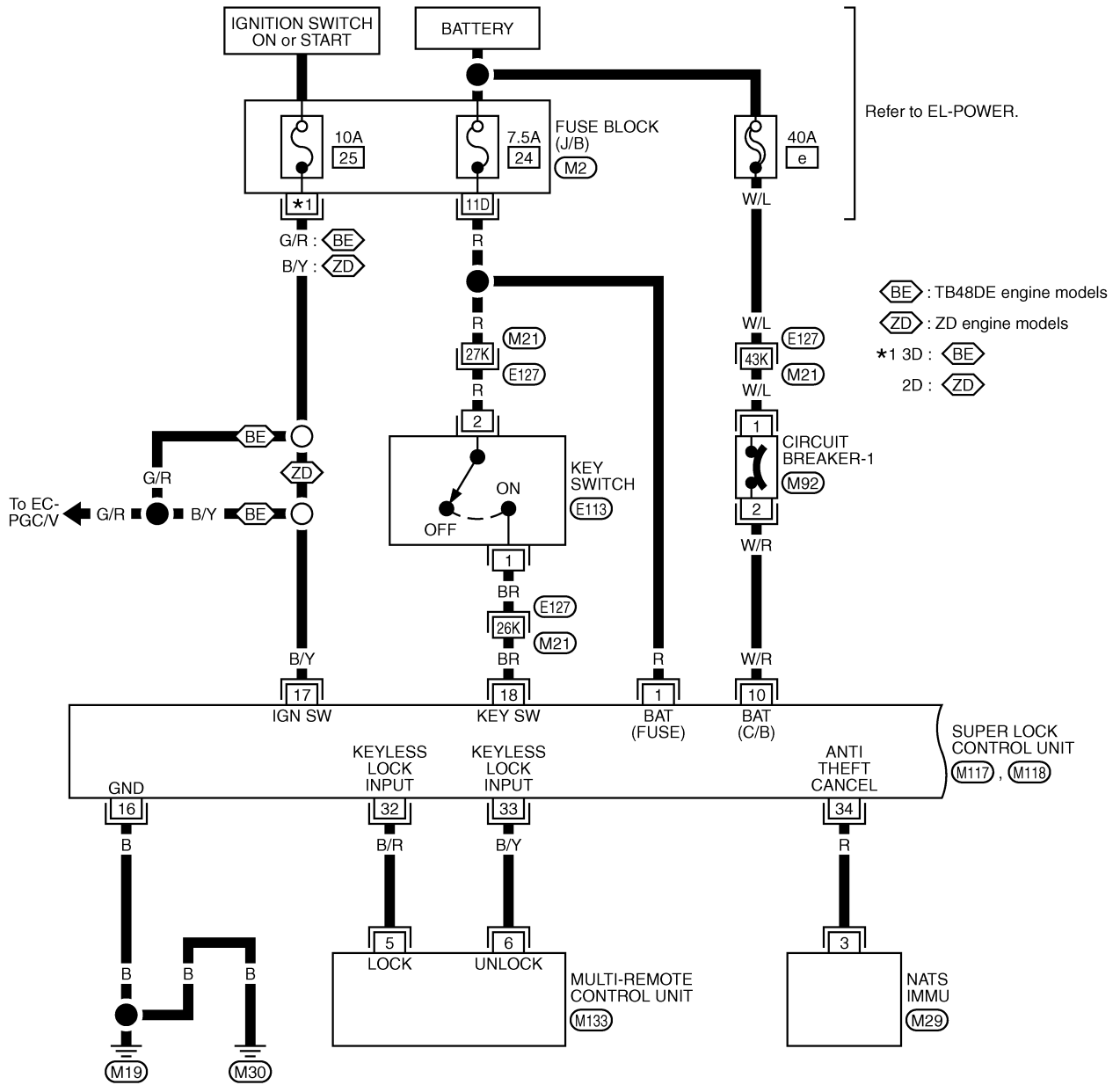
# POWER DOOR LOCK — Super Lock —

## Schematic



Wiring Diagram — S/LOCK —/LHD Models

EL-S/LOCK-01



Refer to last page (Foldout page).

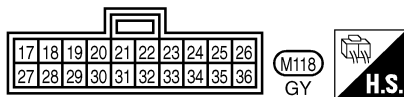
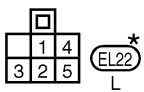
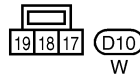
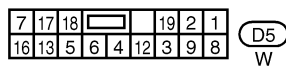
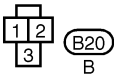
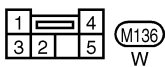
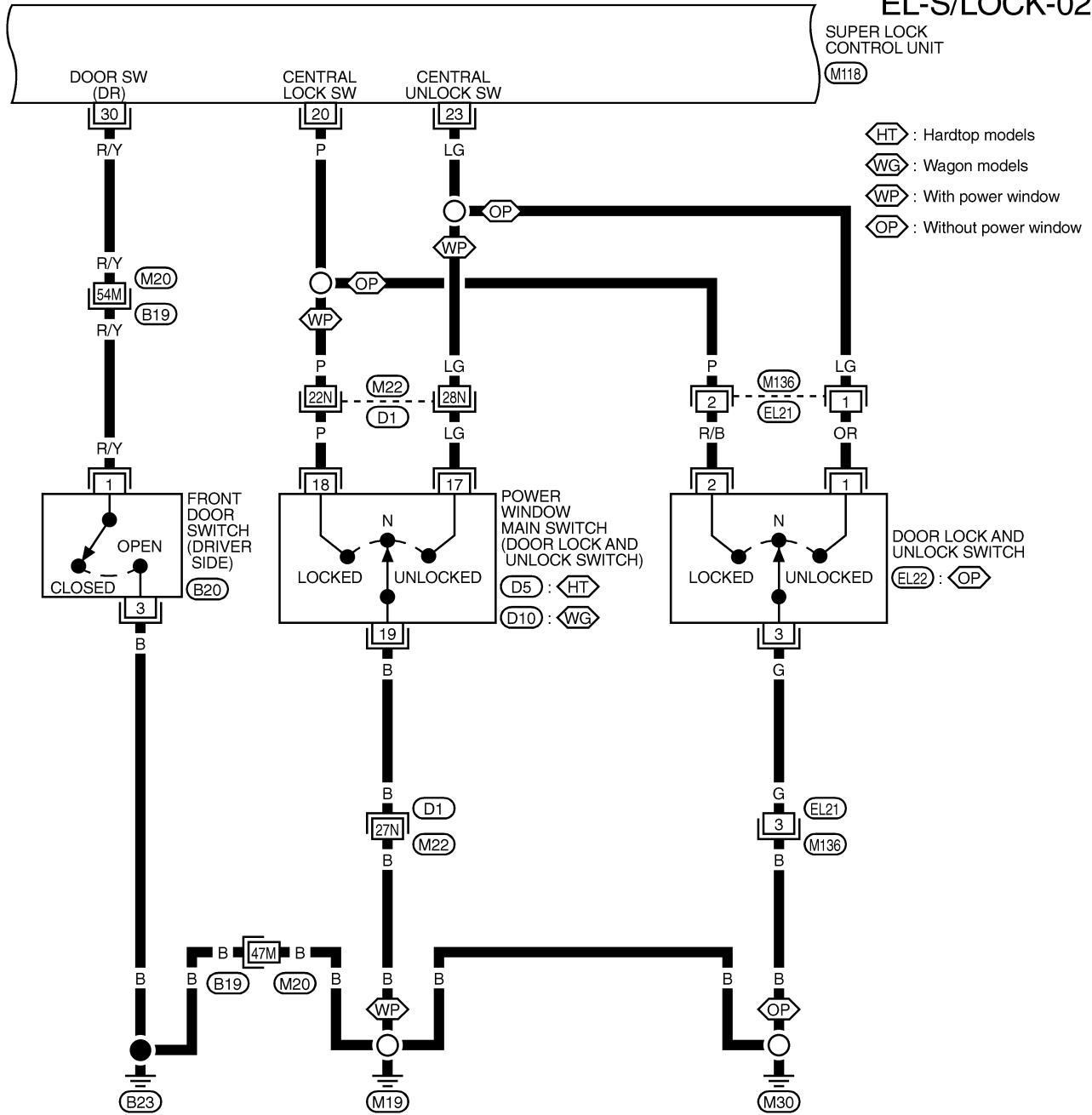
M21, E127  
M2

GI  
MA  
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EC  
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CL  
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TF  
PD  
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HA  
EL  
SE  
IDX

# POWER DOOR LOCK — Super Lock —

## Wiring Diagram — S/LOCK —/LHD Models (Cont'd)

EL-S/LOCK-02



Refer to last page (Foldout page).

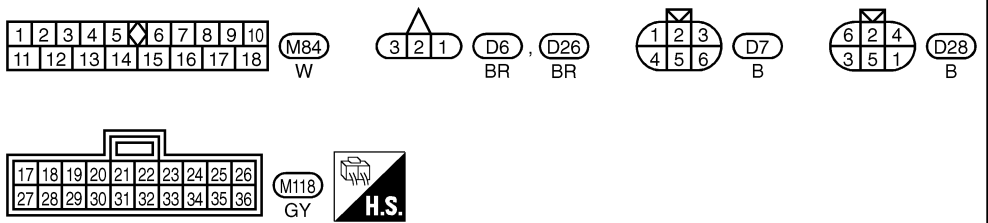
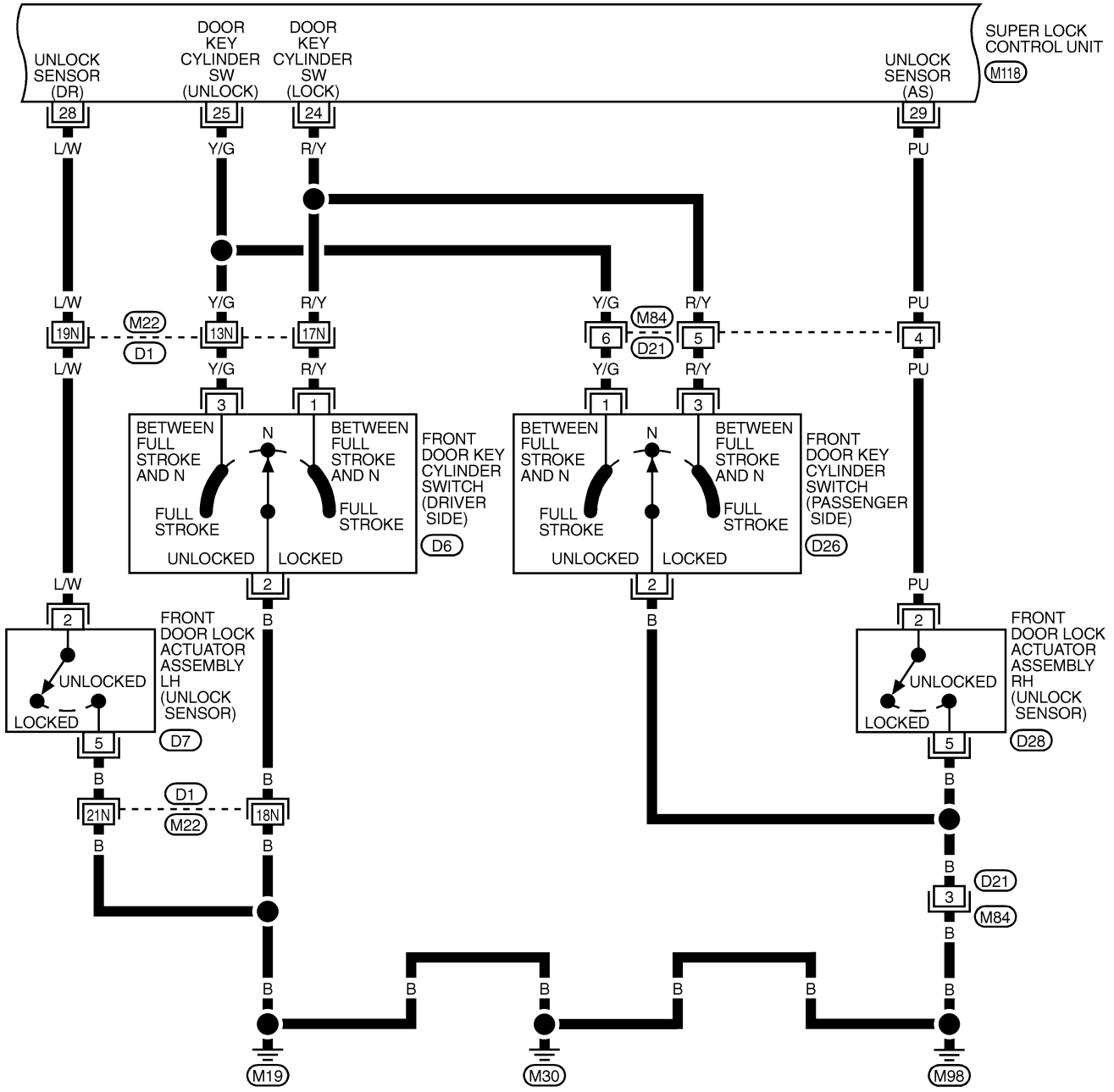
M20, B19  
M22, D1

\*: This connector is not shown in "HARNESS LAYOUT", EL section.

POWER DOOR LOCK — Super Lock —

Wiring Diagram — S/LOCK —/LHD Models  
(Cont'd)

EL-S/LOCK-03



Refer to last page (Foldout page).  
M22, D1

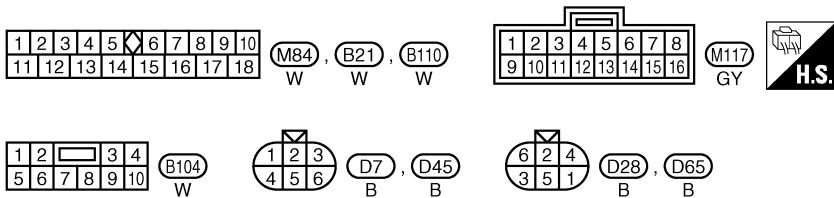
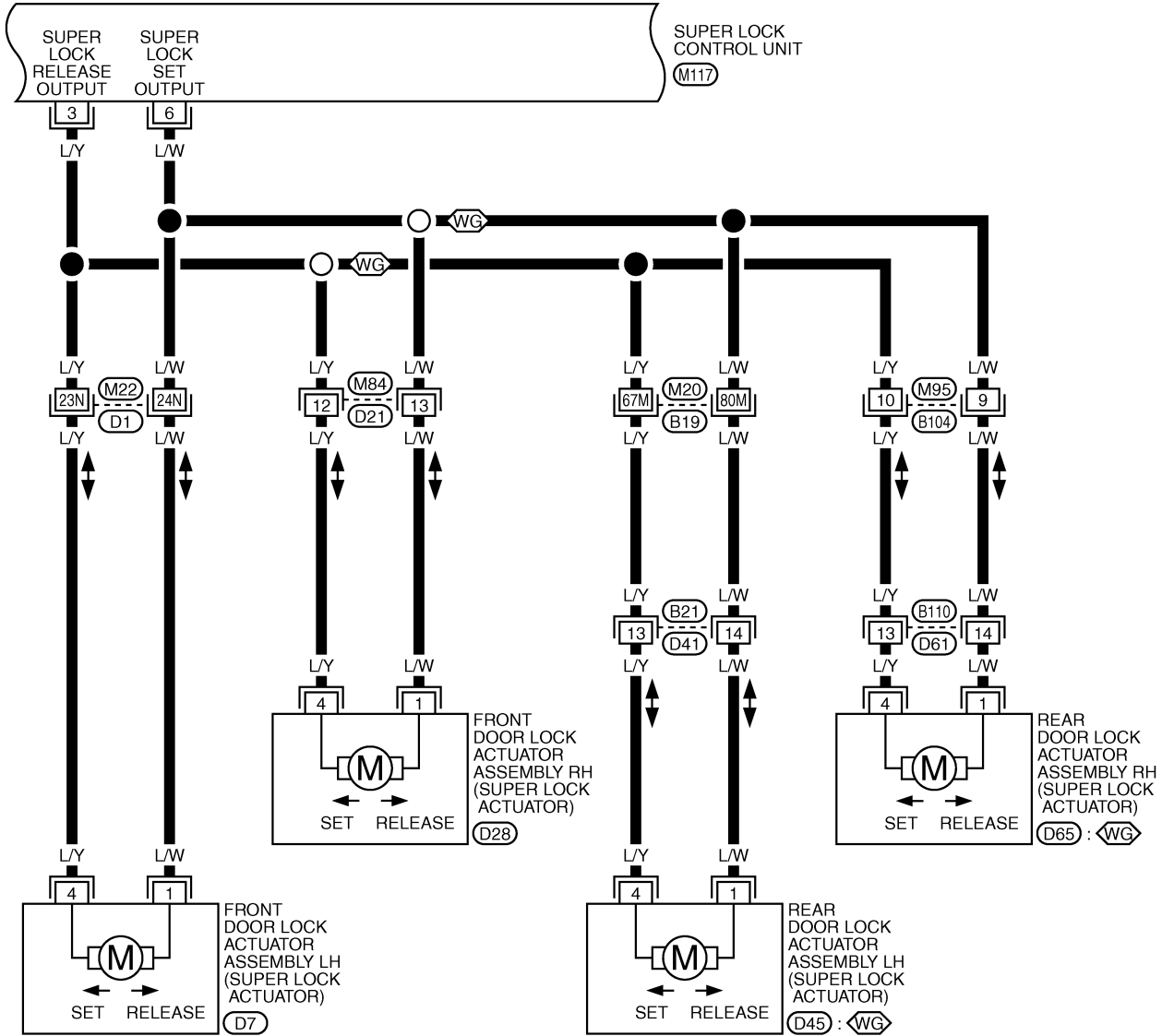
GI  
MA  
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LC  
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PD  
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RA  
BR  
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RS  
BT  
HA  
EL  
SE  
IDX

# POWER DOOR LOCK — Super Lock —

## Wiring Diagram — S/LOCK —/LHD Models (Cont'd)

EL-S/LOCK-04

: Wagon models



Refer to last page (Foldout page).

M20, B19  
M22, D1

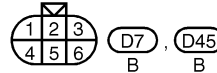
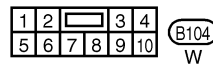
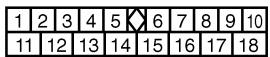
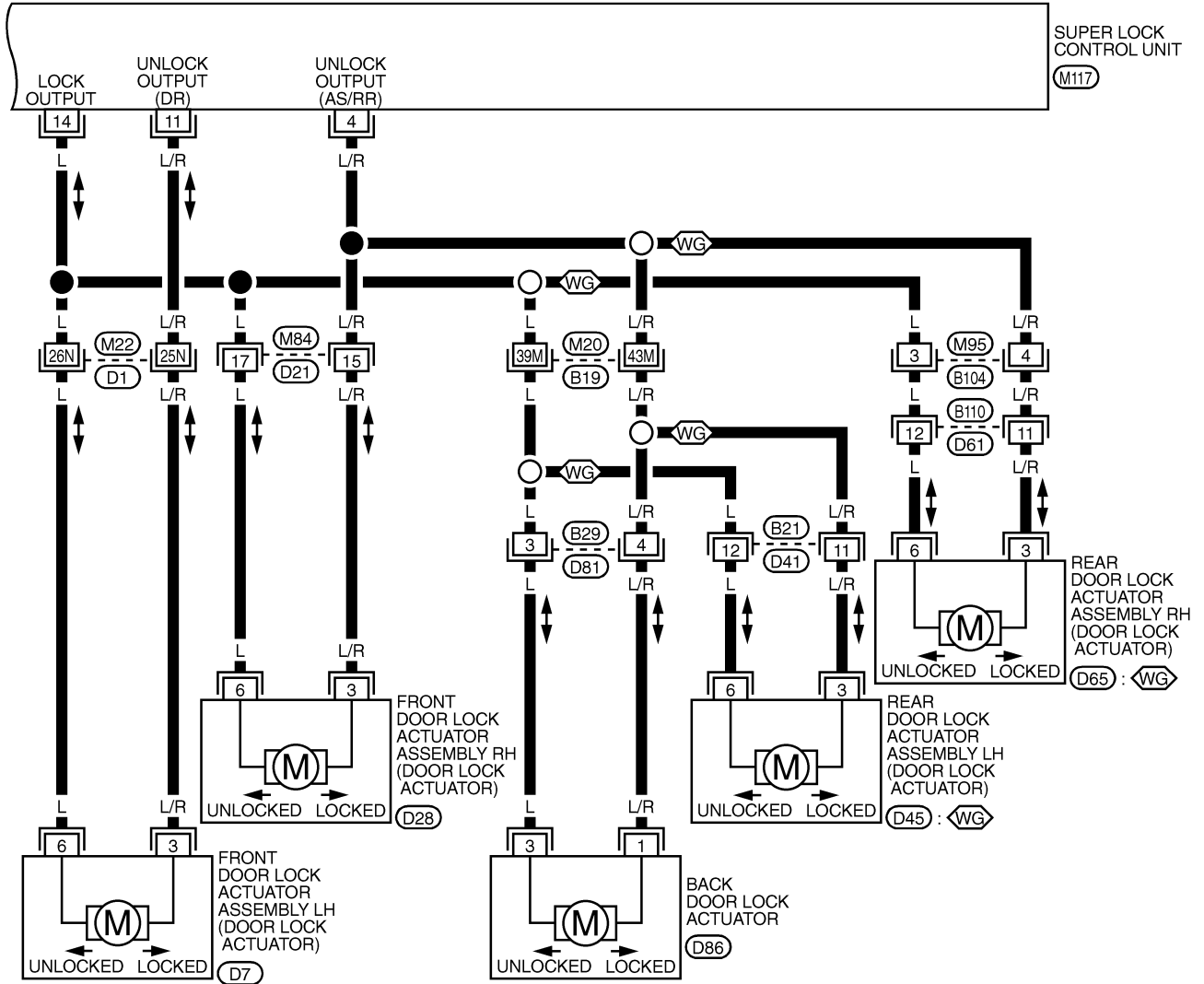


POWER DOOR LOCK — Super Lock —

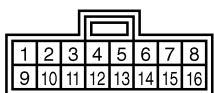
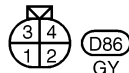
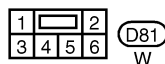
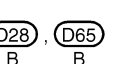
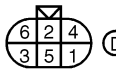
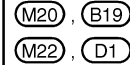
Wiring Diagram — S/LOCK —/LHD Models  
(Cont'd)

EL-S/LOCK-05

WG : Wagon models



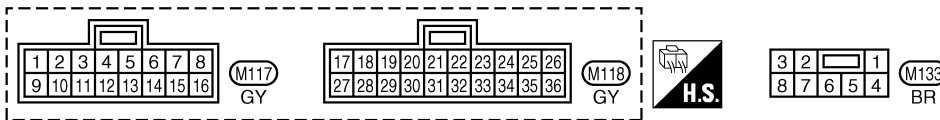
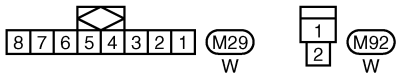
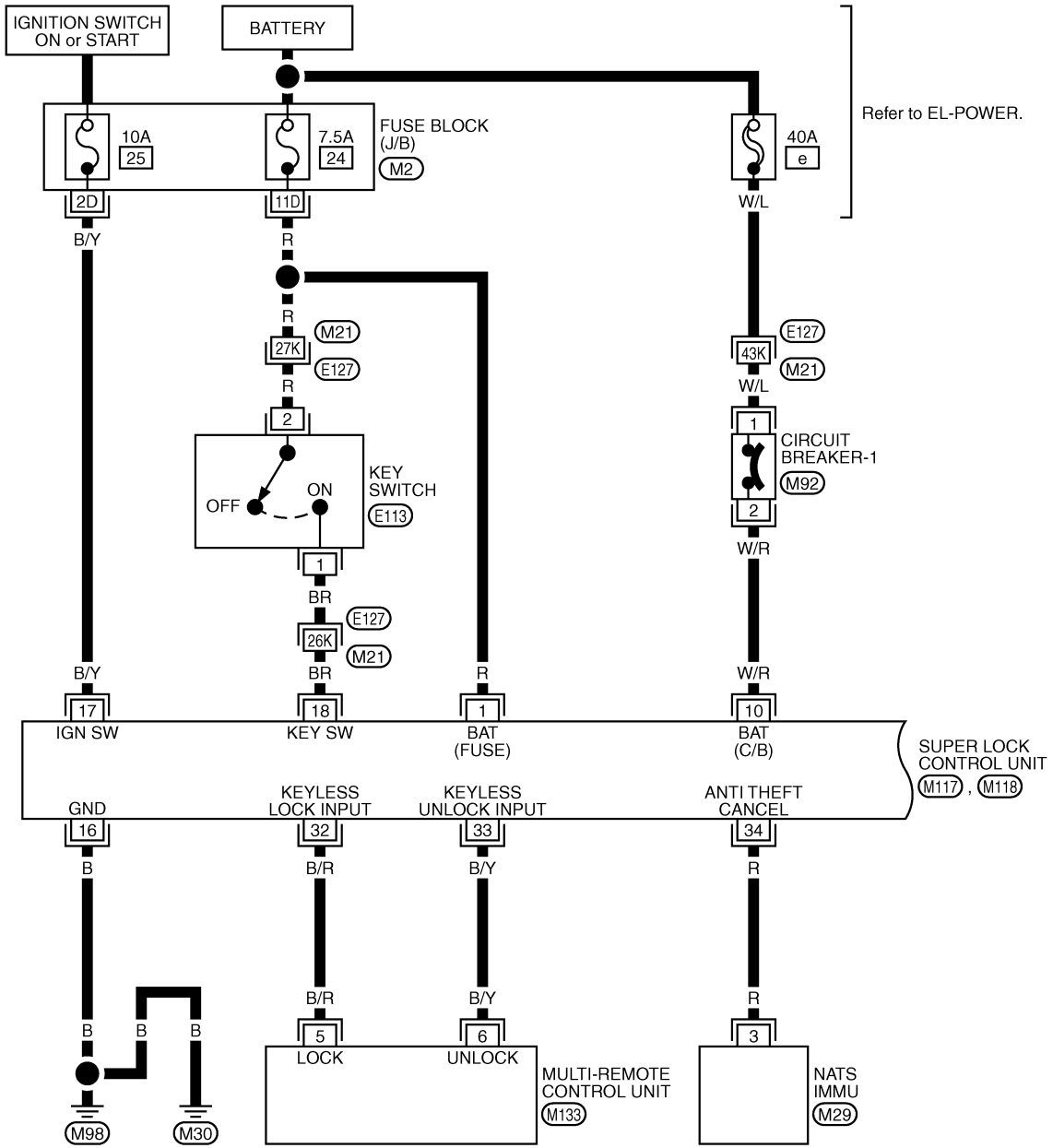
Refer to last page (Foldout page).



GI  
MA  
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EL  
SE  
IDX

Wiring Diagram — S/LOCK —/RHD Models

EL-S/LOCK-06

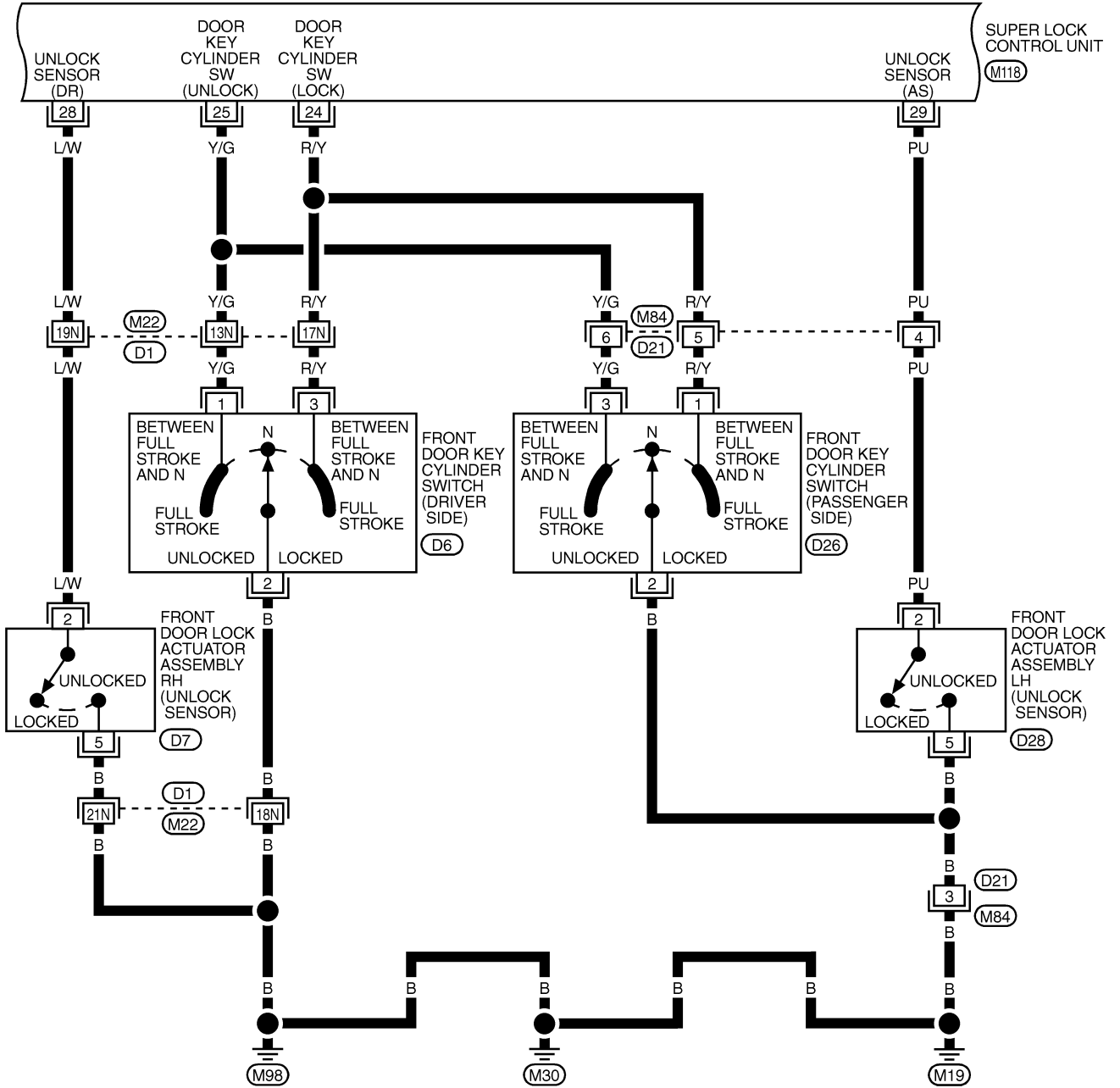




POWER DOOR LOCK — Super Lock —

Wiring Diagram — S/LOCK —/RHD Models  
(Cont'd)

EL-S/LOCK-08



Refer to last page (Foldout page).  
M22, D1

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

M84 W

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

D6 BR, D26 BR

6	2	4
3	5	1

D7 B

1	2	3
4	5	6

D28 B

17	18	19	20	21	22	23	24	25	26
27	28	29	30	31	32	33	34	35	36

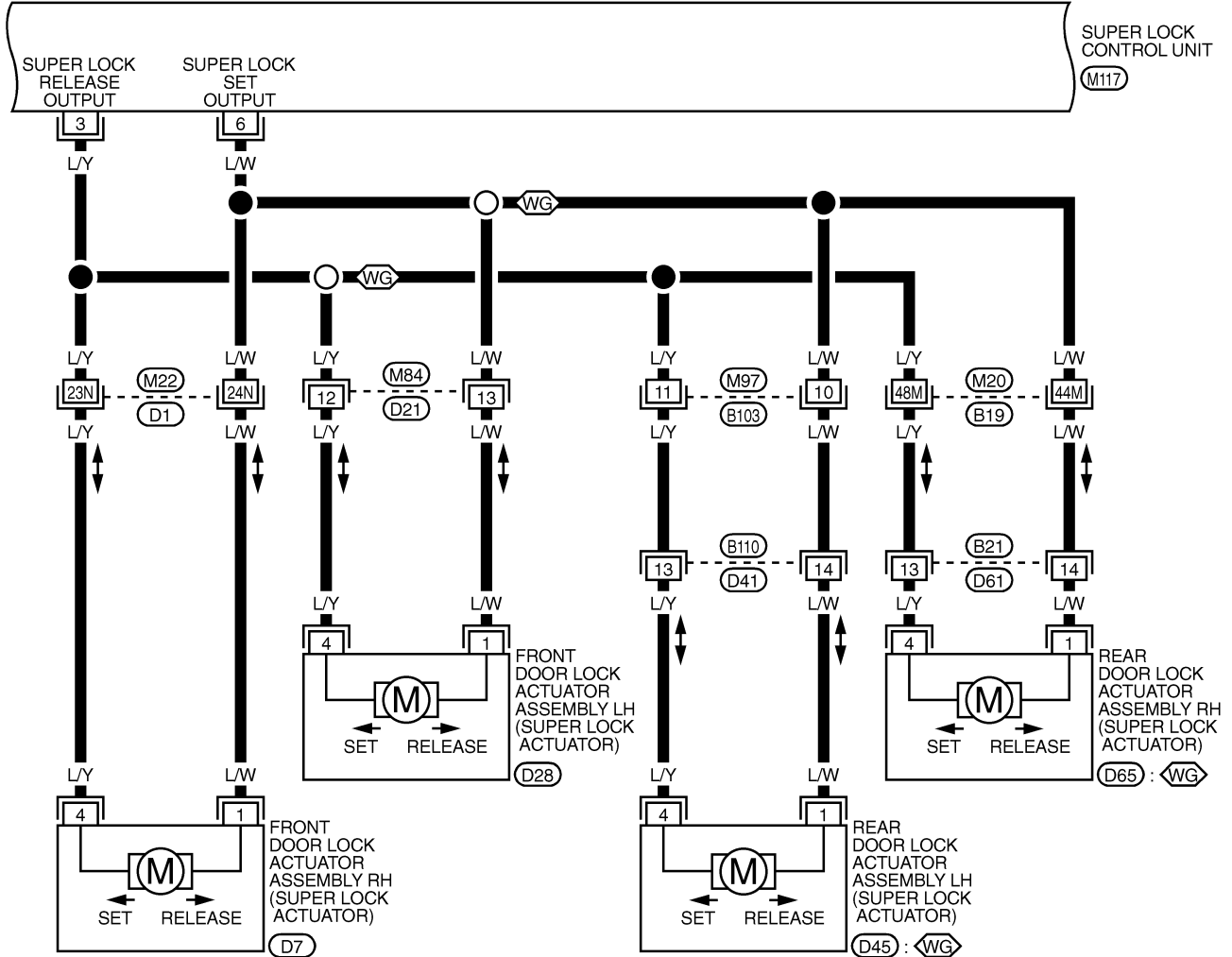
M118 GY

# POWER DOOR LOCK — Super Lock —

## Wiring Diagram — S/LOCK —/RHD Models (Cont'd)

EL-S/LOCK-09

WG : Wagon models



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

M84, B21, B110  
W W W

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

B103  
W

6	2	4
3	5	1

D7, D65  
B B

1	2	3
4	5	6

D28, D45  
B B

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

M117 GY H.S.

Refer to last page (Foldout page).

M20, B19  
M22, D1

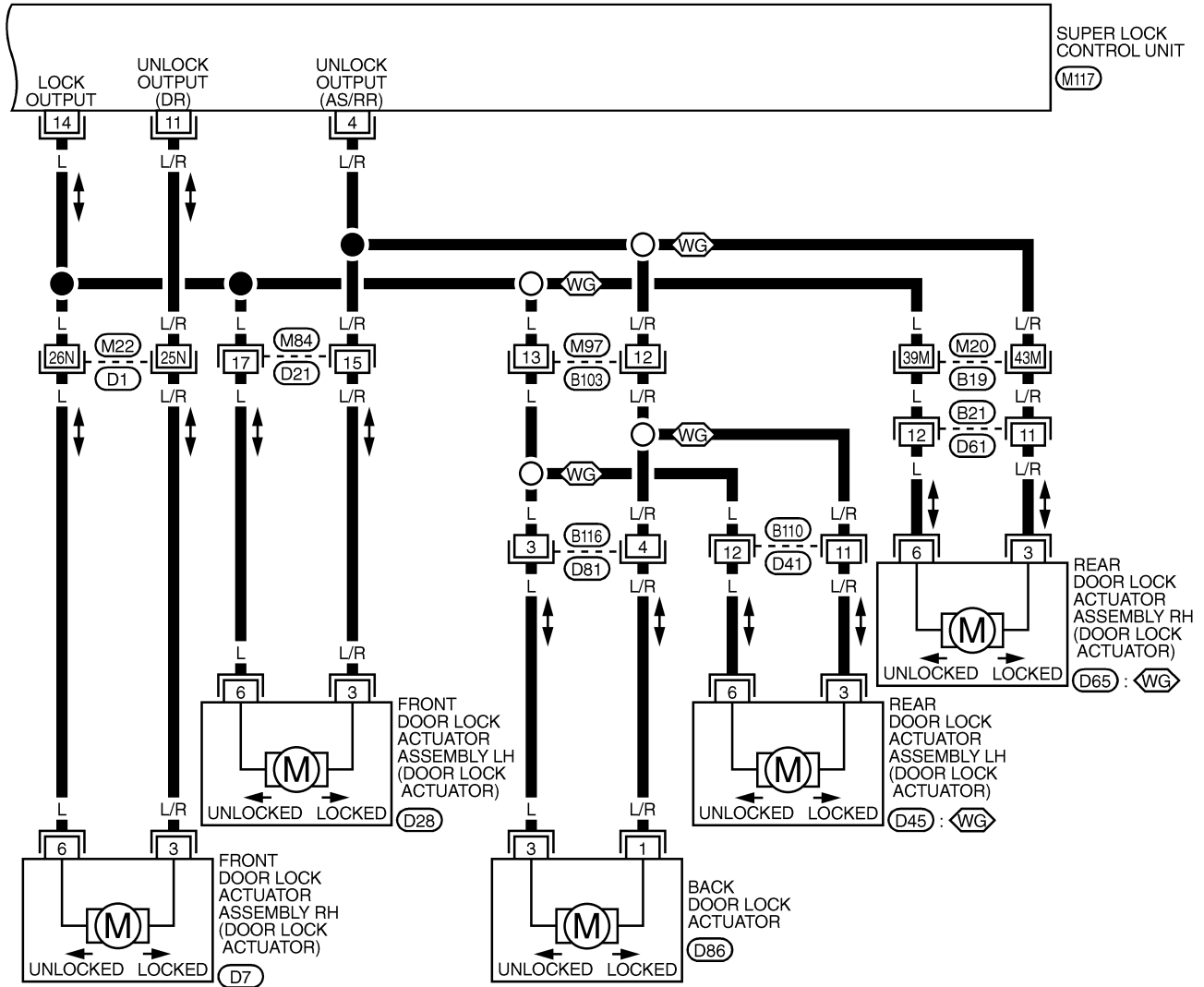
GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

# POWER DOOR LOCK — Super Lock —

## Wiring Diagram — S/LOCK —/RHD Models (Cont'd)

EL-S/LOCK-10

WG : Wagon models



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

M84, B21, B110  
W W W

1	2	3	4	5	6	7
8	9	10	11	12	13	14

B103  
W

6	2	4
3	5	1

D7, D65  
B B

1	2	3
4	5	6

D28, D45  
B B

1	2
3	4

D81  
W

3	4
1	2

D86  
GY

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

M117  
GY



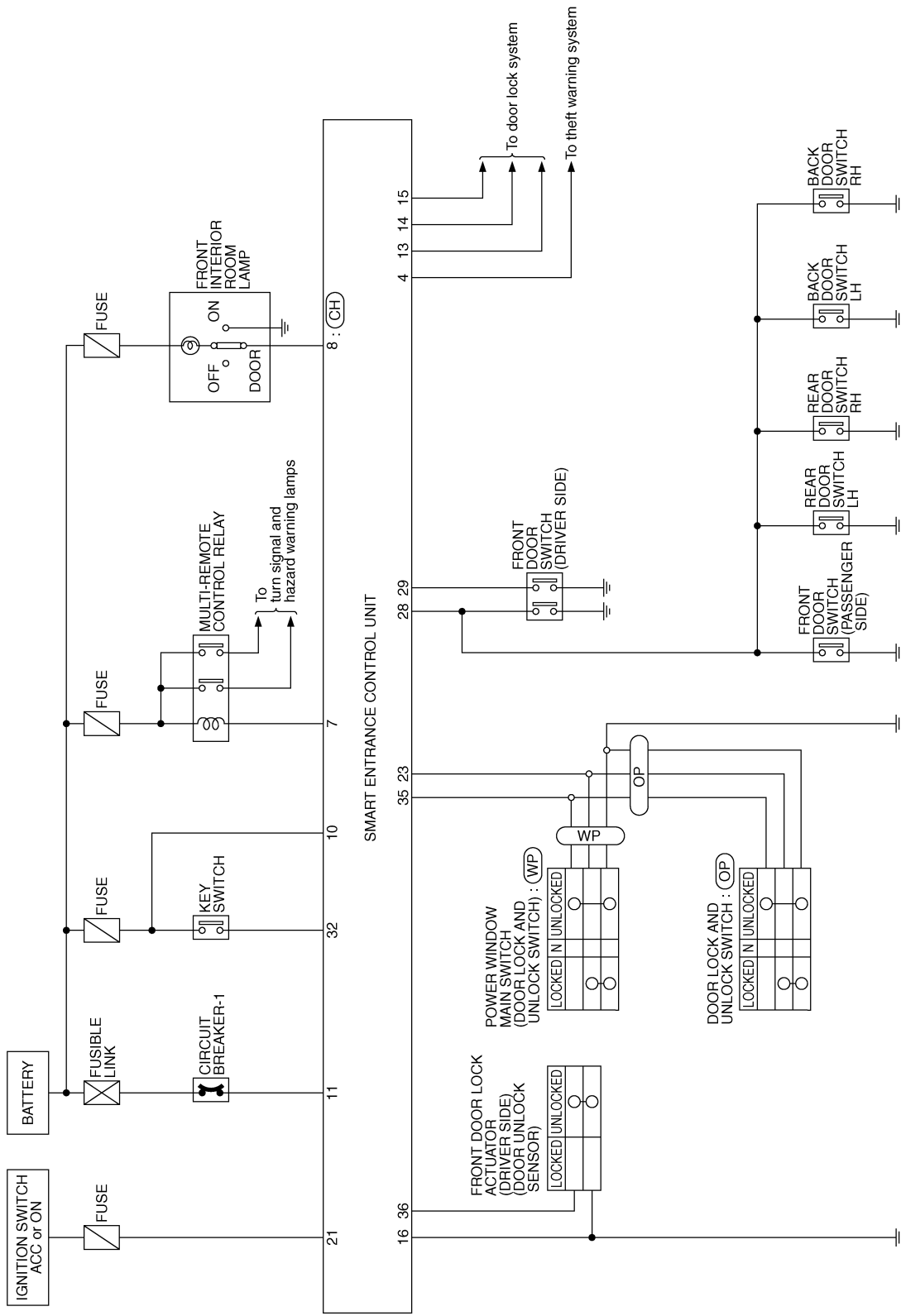
Refer to last page (Foldout page).

M20, B19  
M22, D1

# MULTI-REMOTE CONTROL SYSTEM

## Schematic/With Theft Warning System Models

- (CH) : For China
- (WP) : With power window
- (OP) : Without power window



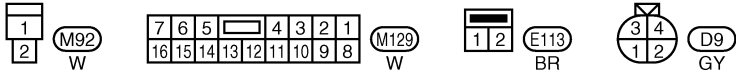
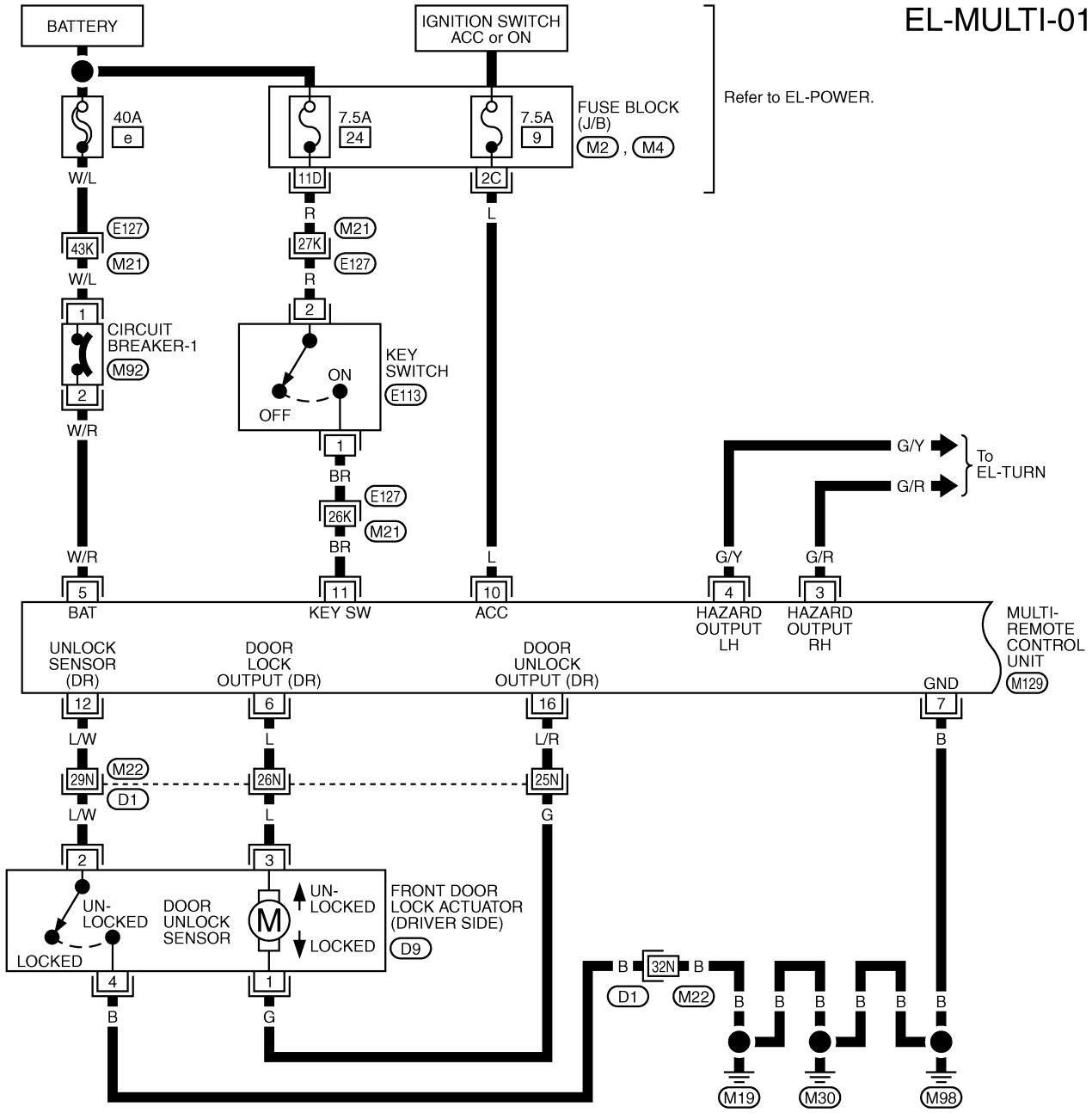
- GI
- MA
- EM
- LC
- EC
- FE
- CL
- MT
- AT
- TF
- PD
- FA
- RA
- BR
- ST
- RS
- BT
- HA
- EL
- SE
- IDX

# MULTI-REMOTE CONTROL SYSTEM

## Wiring Diagram — MULTI —/Except for Europe and With Theft Warning System Models

### LHD MODELS

EL-MULTI-01



Refer to last page (Foldout page).

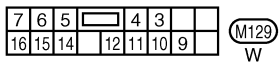
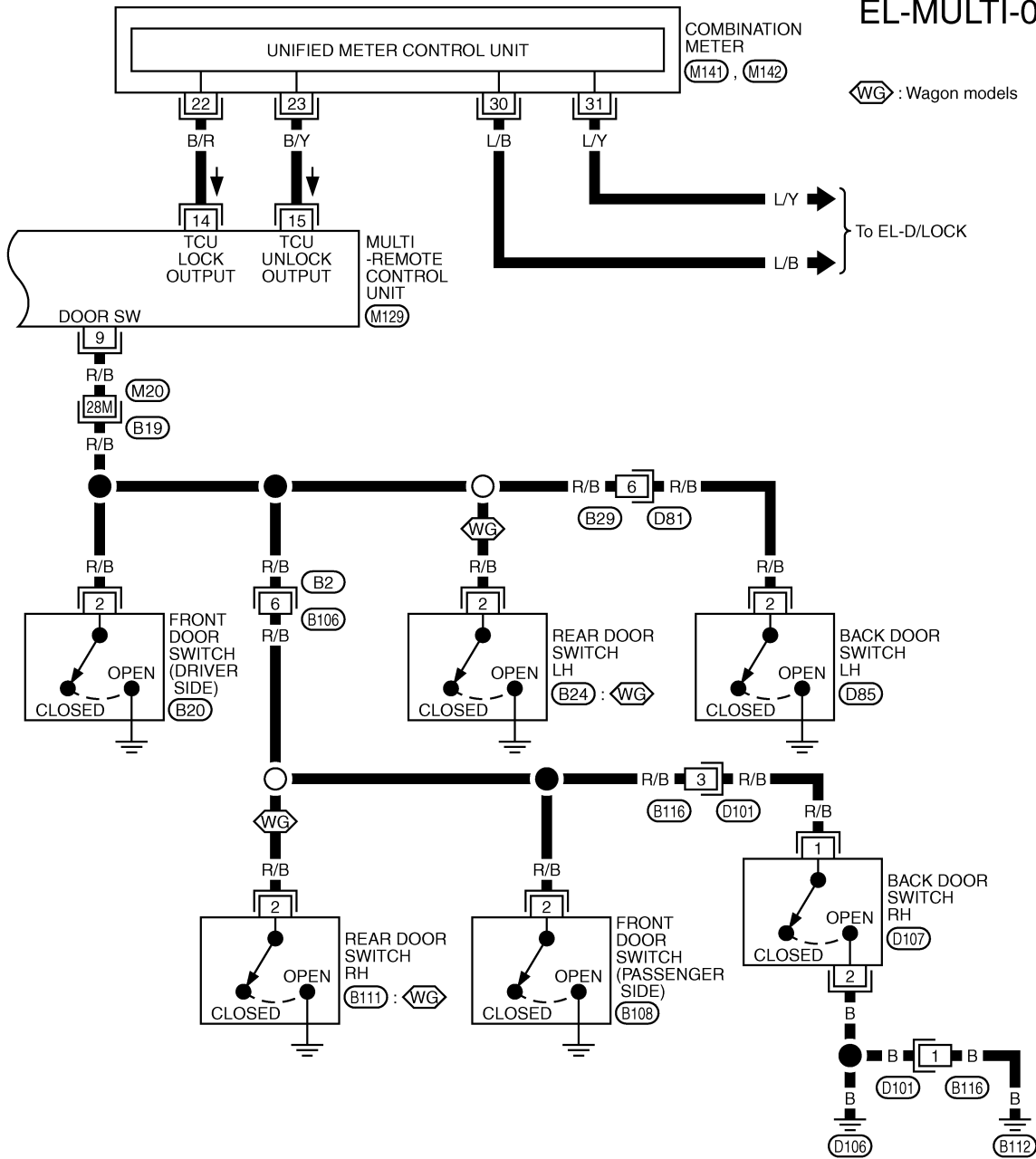
- M21, E127
- M22, D1
- M2
- M4



# MULTI-REMOTE CONTROL SYSTEM

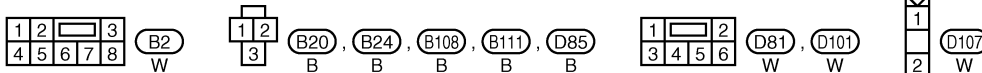
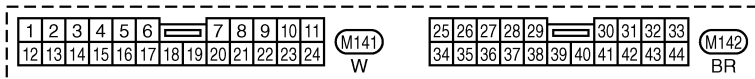
## Wiring Diagram — MULTI —/Except for Europe and With Theft Warning System Models (Cont'd)

EL-MULTI-02



Refer to last page (Foldout page).

(M20), (B19)



GI

MA

EM

LC

EC

FE

CL

MT

AT

TF

PD

FA

RA

BR

ST

RS

BT

HA

EL

SE

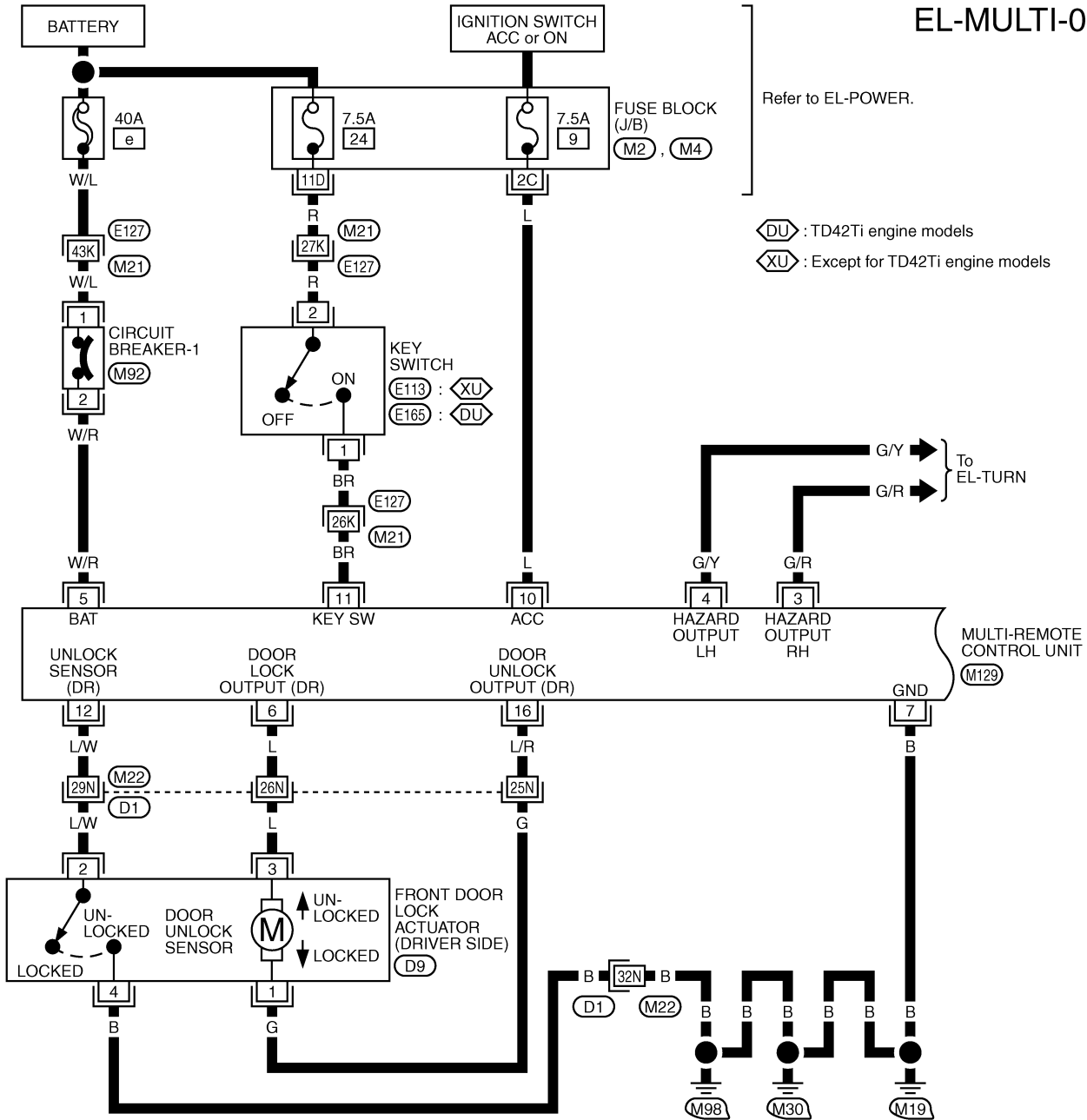
IDX

# MULTI-REMOTE CONTROL SYSTEM

## Wiring Diagram — MULTI —/Except for Europe and With Theft Warning System Models (Cont'd)

### RHD MODELS

EL-MULTI-03

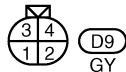
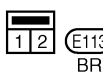
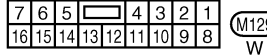
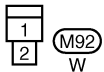


Refer to EL-POWER.

DU : TD42Ti engine models

XU : Except for TD42Ti engine models

MULTI-REMOTE CONTROL UNIT (M129)



Refer to last page (Foldout page).

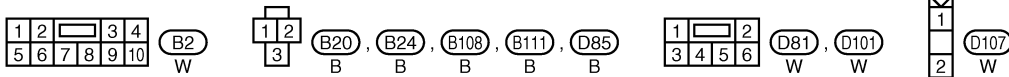
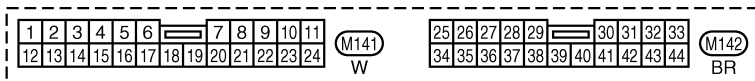
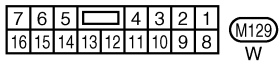
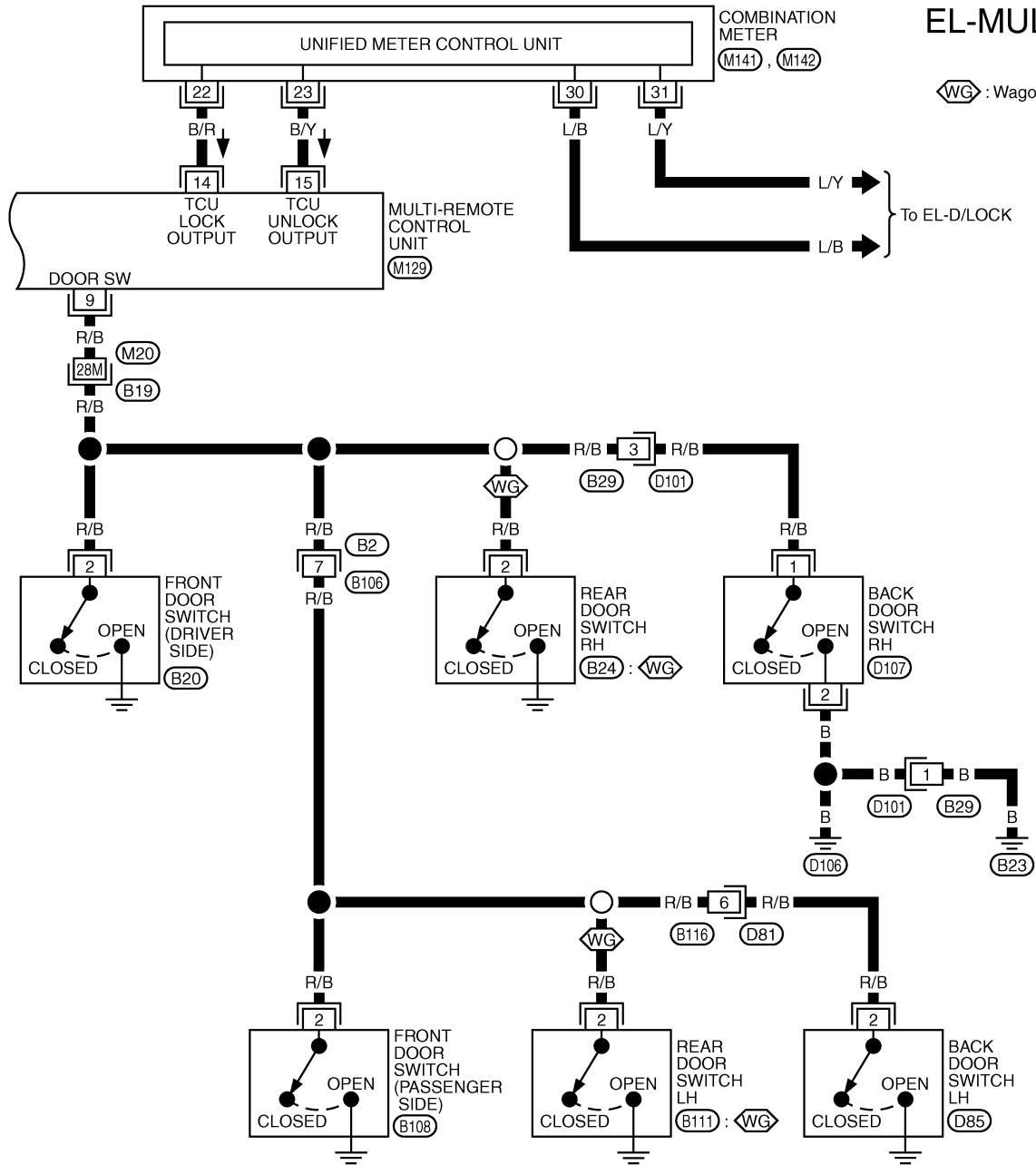
- M21, E127
- M22, D1
- M2
- M4

# MULTI-REMOTE CONTROL SYSTEM

## Wiring Diagram — MULTI —/Except for Europe and With Theft Warning System Models (Cont'd)

EL-MULTI-04

WG : Wagon models



Refer to last page (Foldout page).

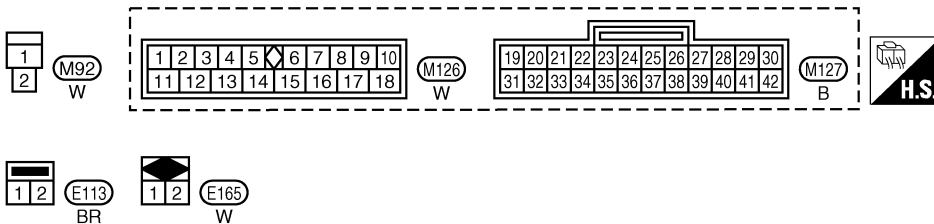
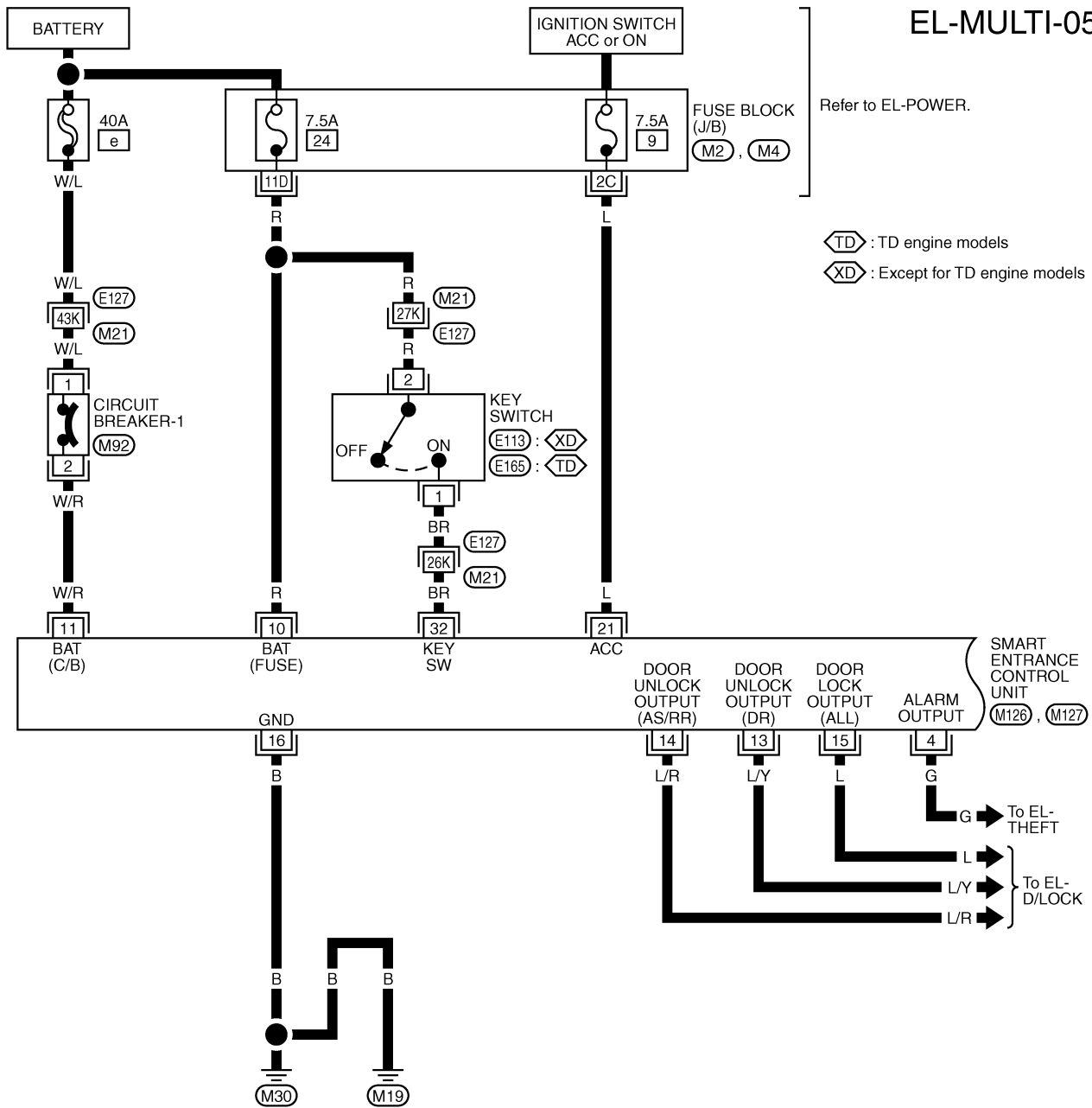
M20, B19

GI  
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TF  
PD  
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RA  
BR  
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BT  
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EL  
SE  
IDX

# MULTI-REMOTE CONTROL SYSTEM

## Wiring Diagram — MULTI —/LHD Models with Theft Warning System

EL-MULTI-05



Refer to last page (Foldout page).

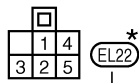
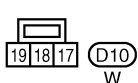
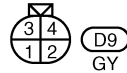
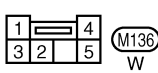
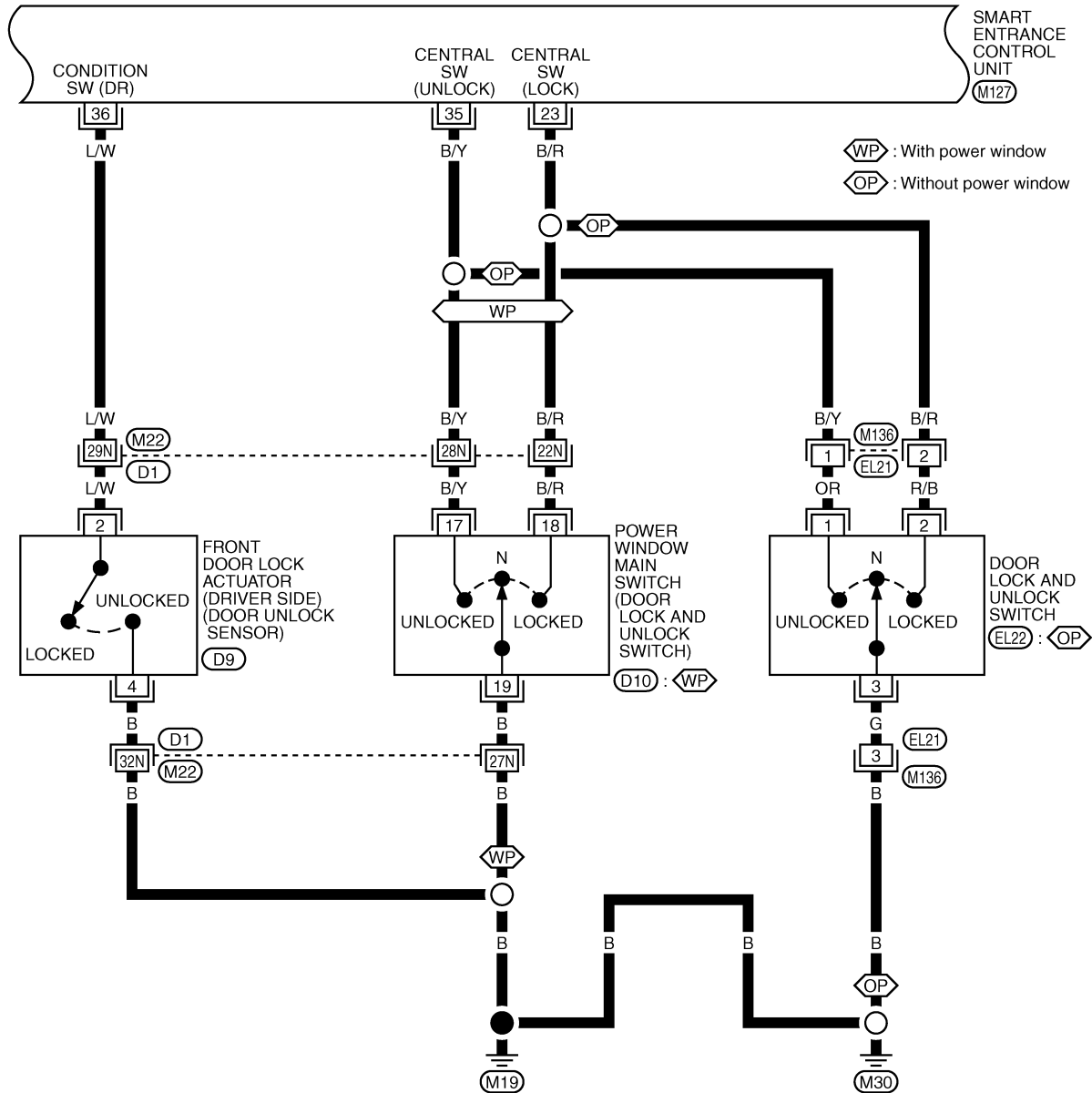
- M21, E127
- M2
- M4



# MULTI-REMOTE CONTROL SYSTEM

## Wiring Diagram — MULTI —/LHD Models with Theft Warning System (Cont'd)

EL-MULTI-06



\*: This connector is not shown in "HARNESS LAYOUT", EL section.

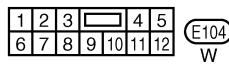
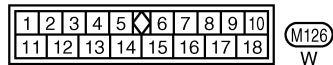
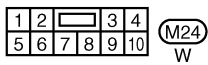
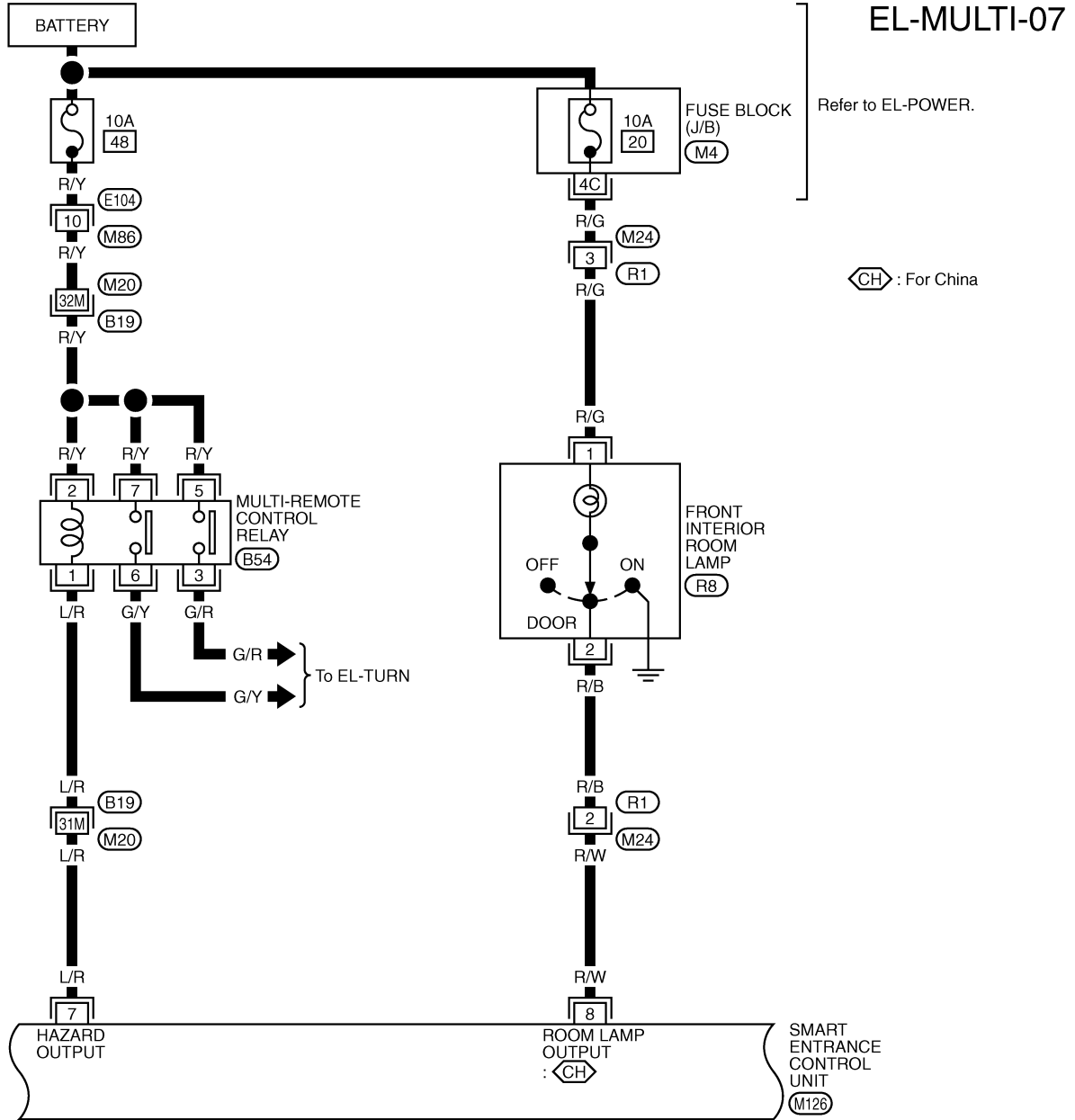
Refer to last page (Foldout page).

(M22), (D1)

GI  
MA  
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EL  
SE  
IDX

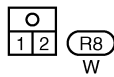
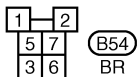
# MULTI-REMOTE CONTROL SYSTEM

## Wiring Diagram — MULTI —/LHD Models with Theft Warning System (Cont'd)



Refer to last page (Foldout page).

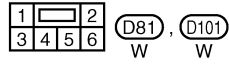
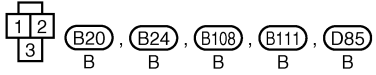
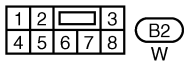
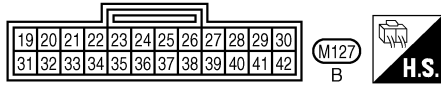
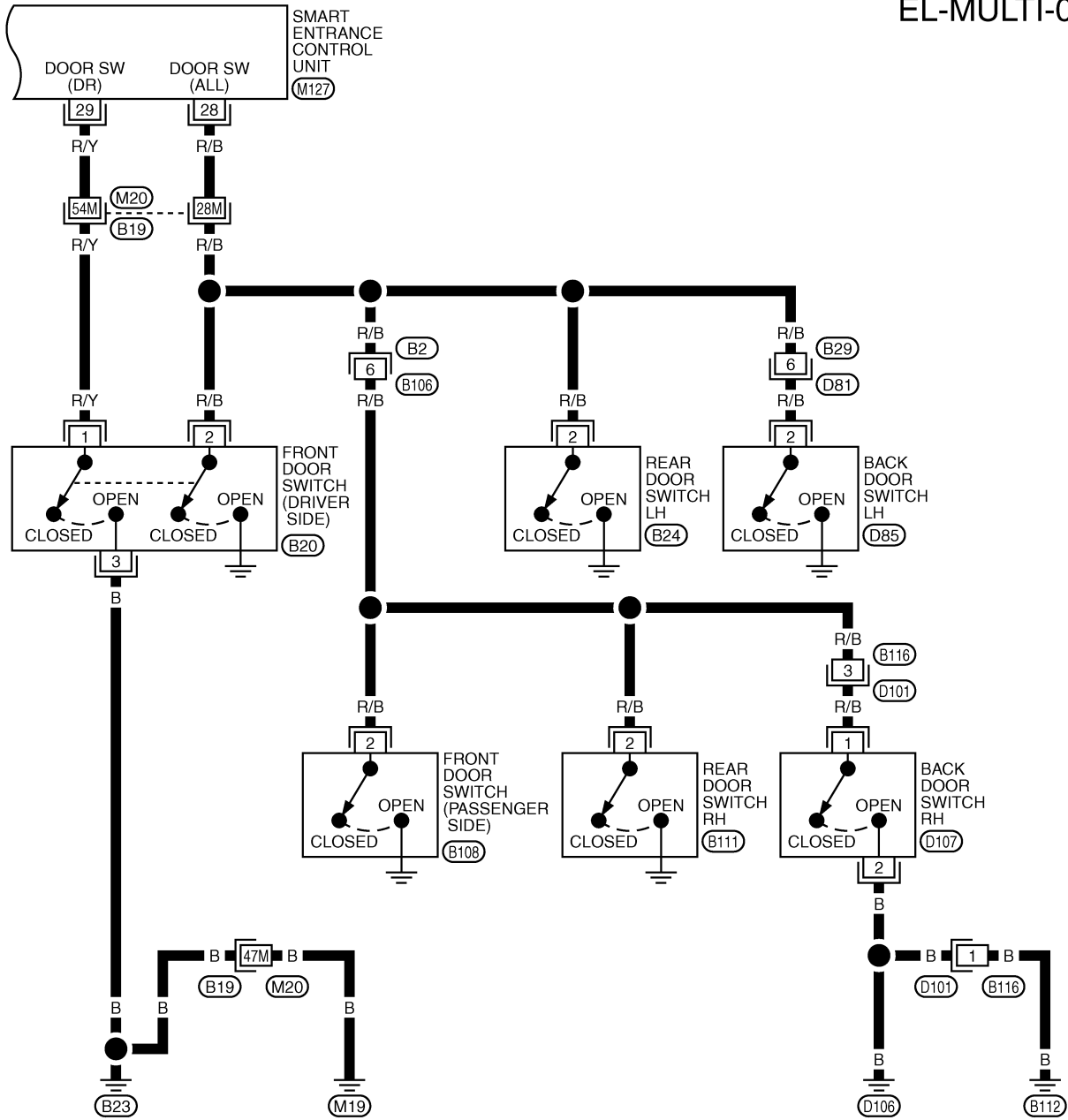
**M20**, **B19**  
**M4**



# MULTI-REMOTE CONTROL SYSTEM

## Wiring Diagram — MULTI —/LHD Models with Theft Warning System (Cont'd)

EL-MULTI-08

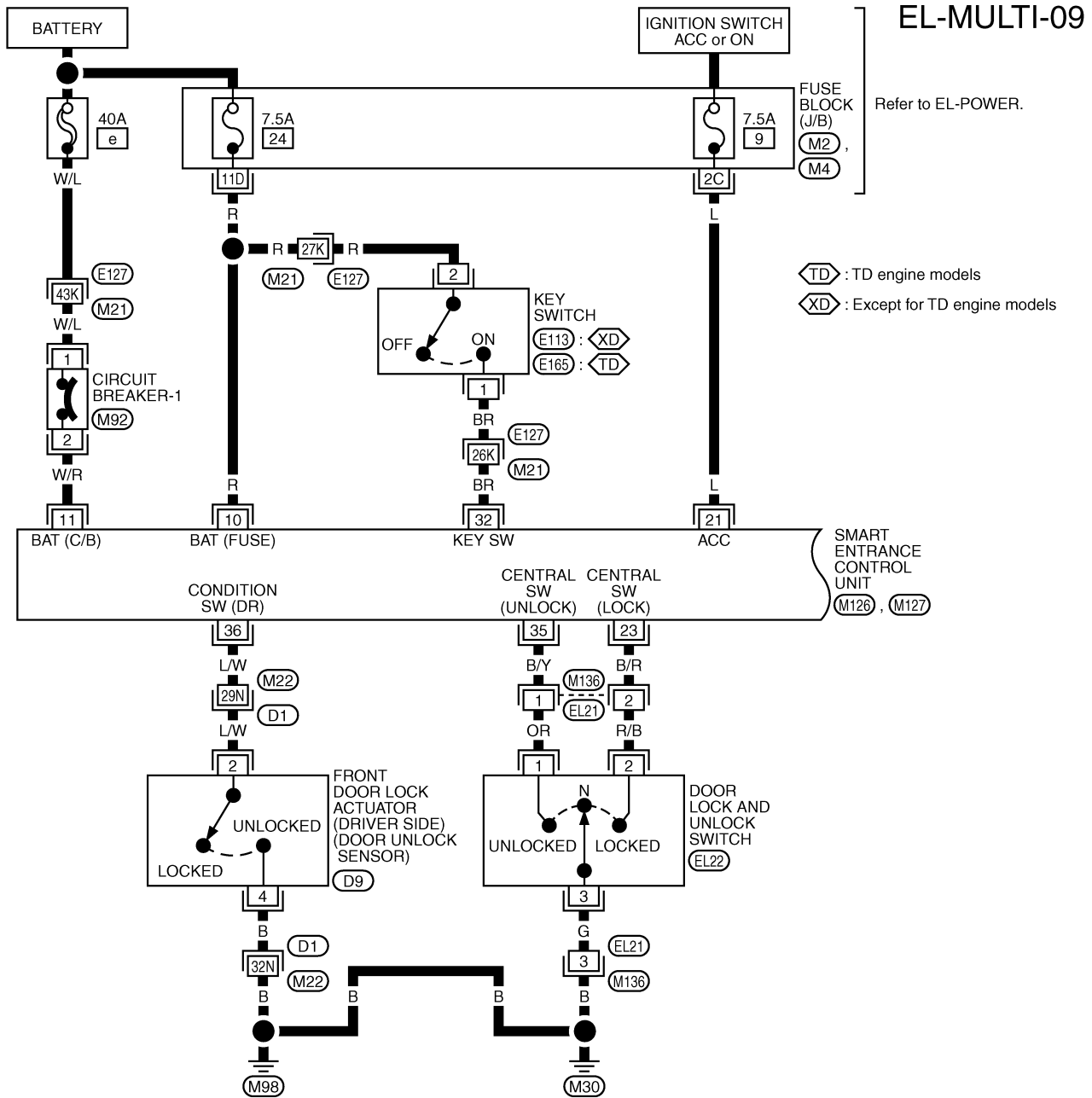


Refer to last page (Foldout page).  
 (M20), (B19)

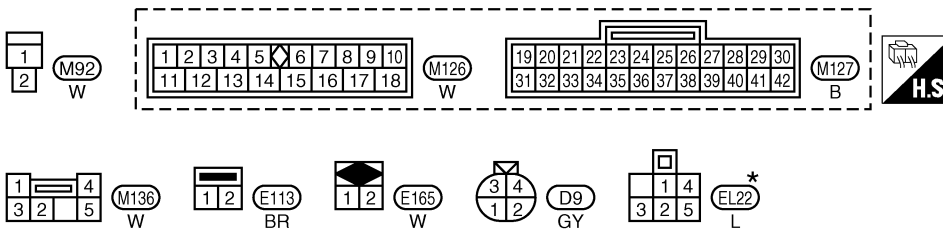
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 MA  
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 FA  
 RA  
 BR  
 ST  
 RS  
 BT  
 HA  
**EL**  
 SE  
 IDX

# MULTI-REMOTE CONTROL SYSTEM

## Wiring Diagram — MULTI —/RHD Models with Theft Warning System



TD : TD engine models  
XD : Except for TD engine models



Refer to last page (Foldout page).

M21, E127  
M22, D1  
M2  
M4

\*: This connector is not shown in "HARNESS LAYOUT", EL section.

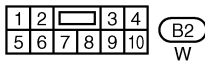
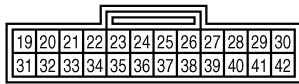
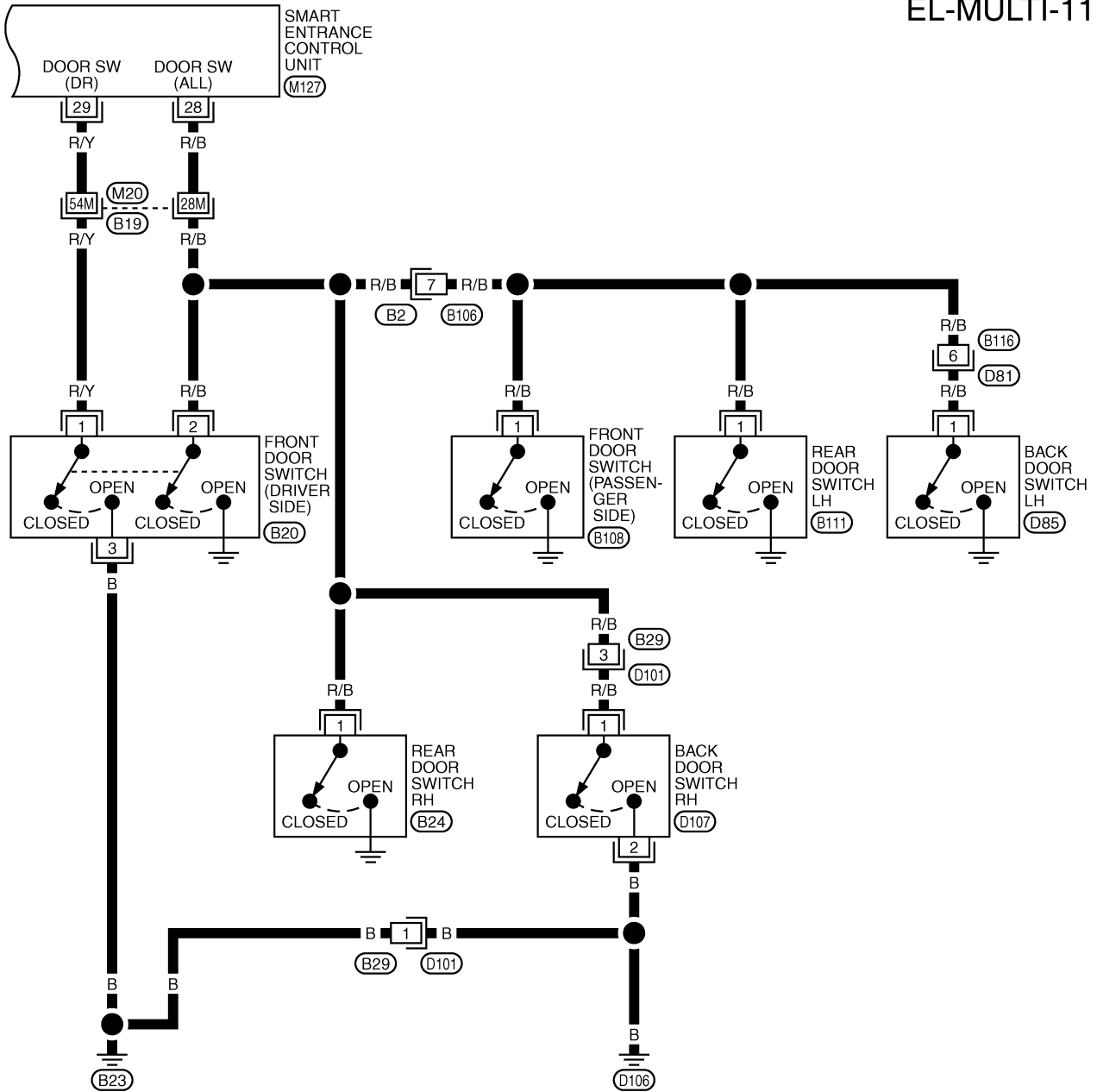




# MULTI-REMOTE CONTROL SYSTEM

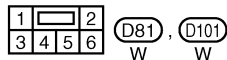
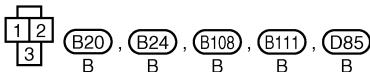
## Wiring Diagram — MULTI —/RHD Models with Theft Warning System (Cont'd)

EL-MULTI-11



Refer to last page (Foldout page).

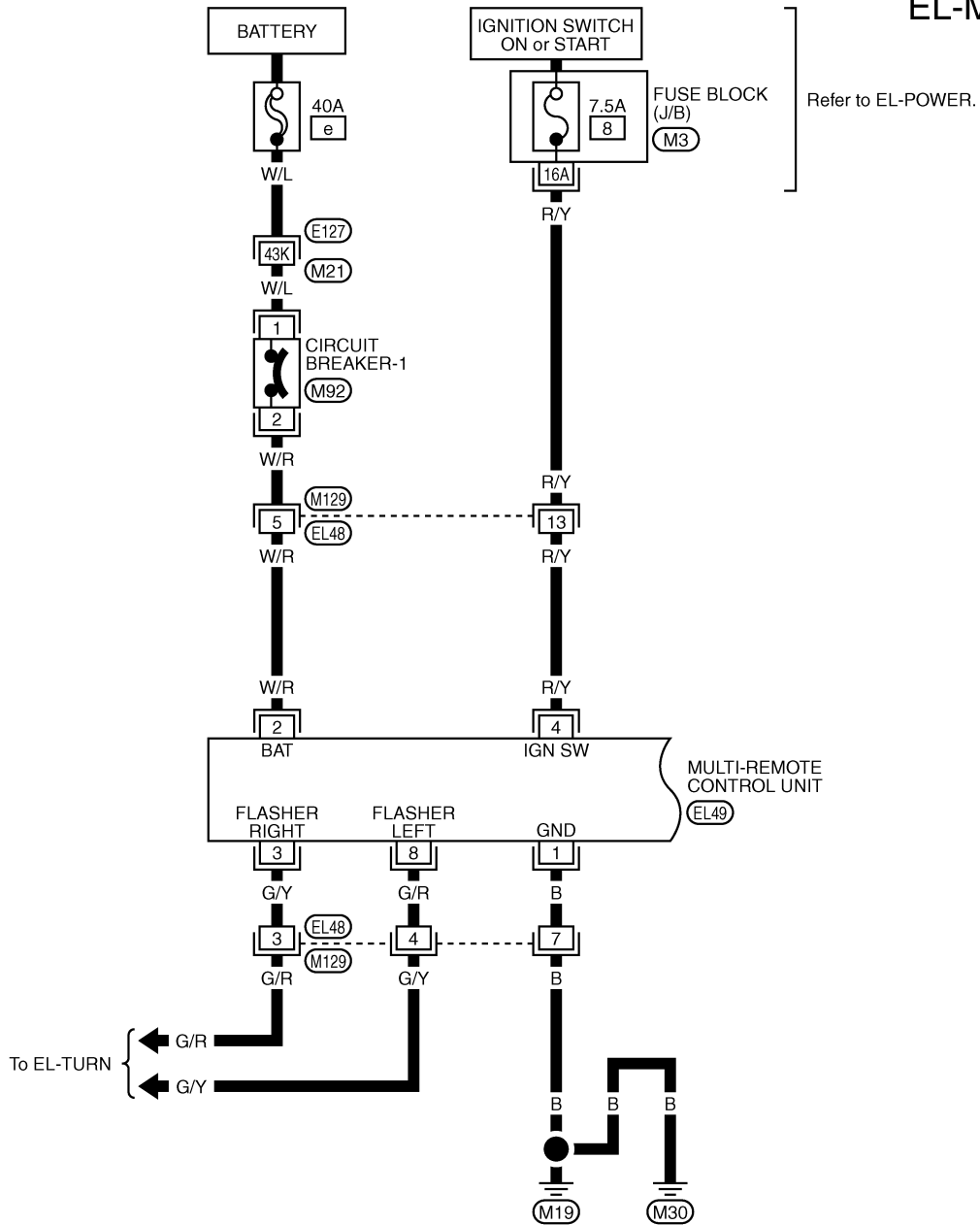
M20, B19



# MULTI-REMOTE CONTROL SYSTEM

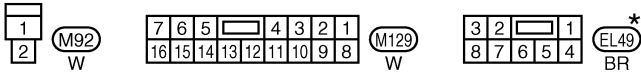
## Wiring Diagram — MULTI —/For South Africa

### EL-MULTI-12

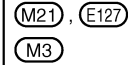


Refer to EL-POWER.

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX



Refer to last page (Foldout page).

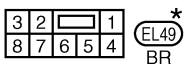
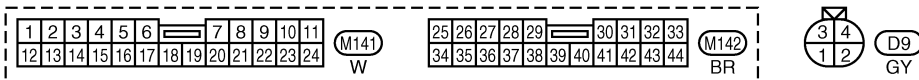
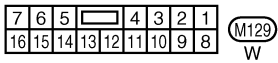
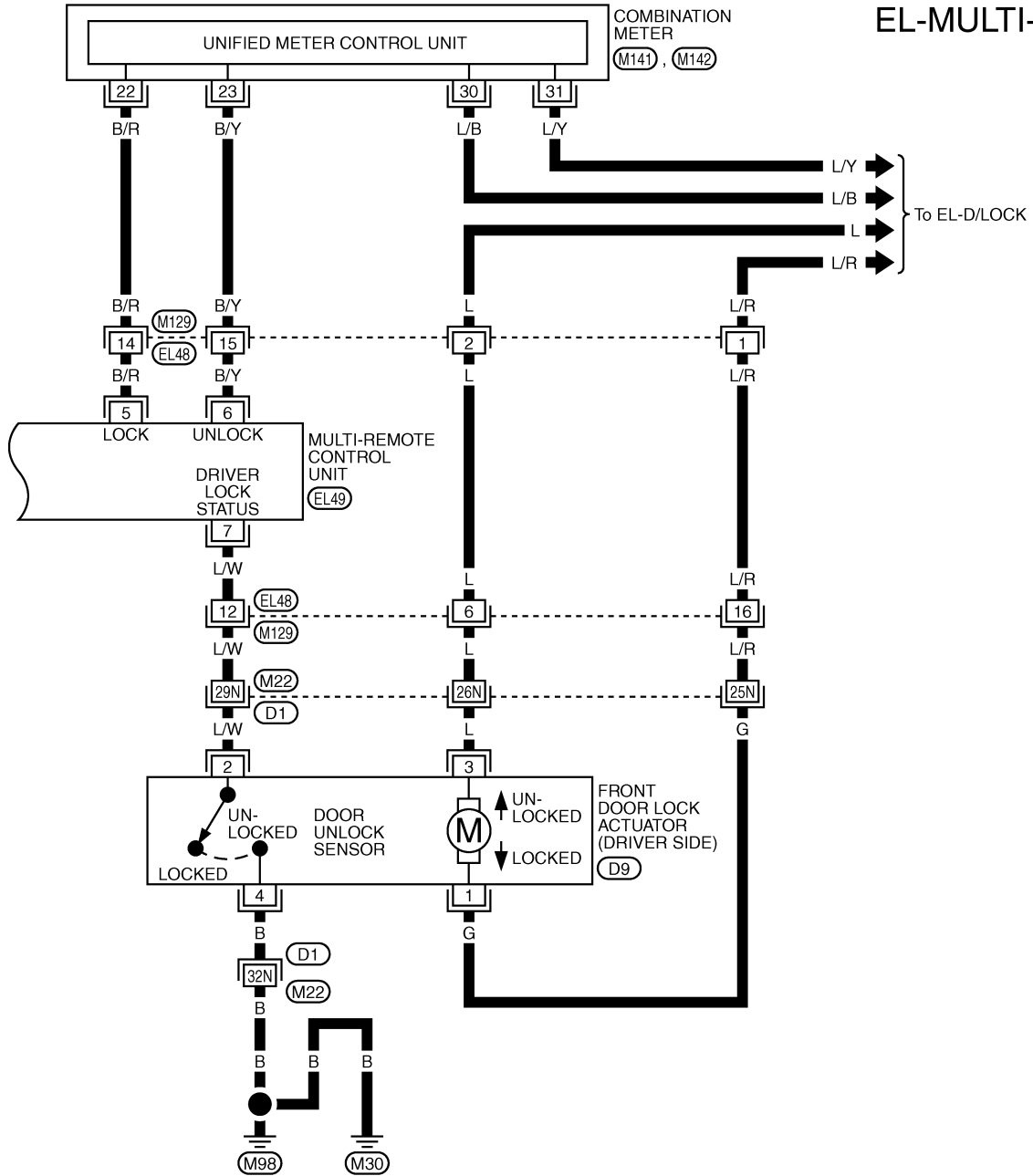


\*: This connector is not shown in "HARNESS LAYOUT", EL section.

# MULTI-REMOTE CONTROL SYSTEM

## Wiring Diagram — MULTI —/For South Africa (Cont'd)

EL-MULTI-13



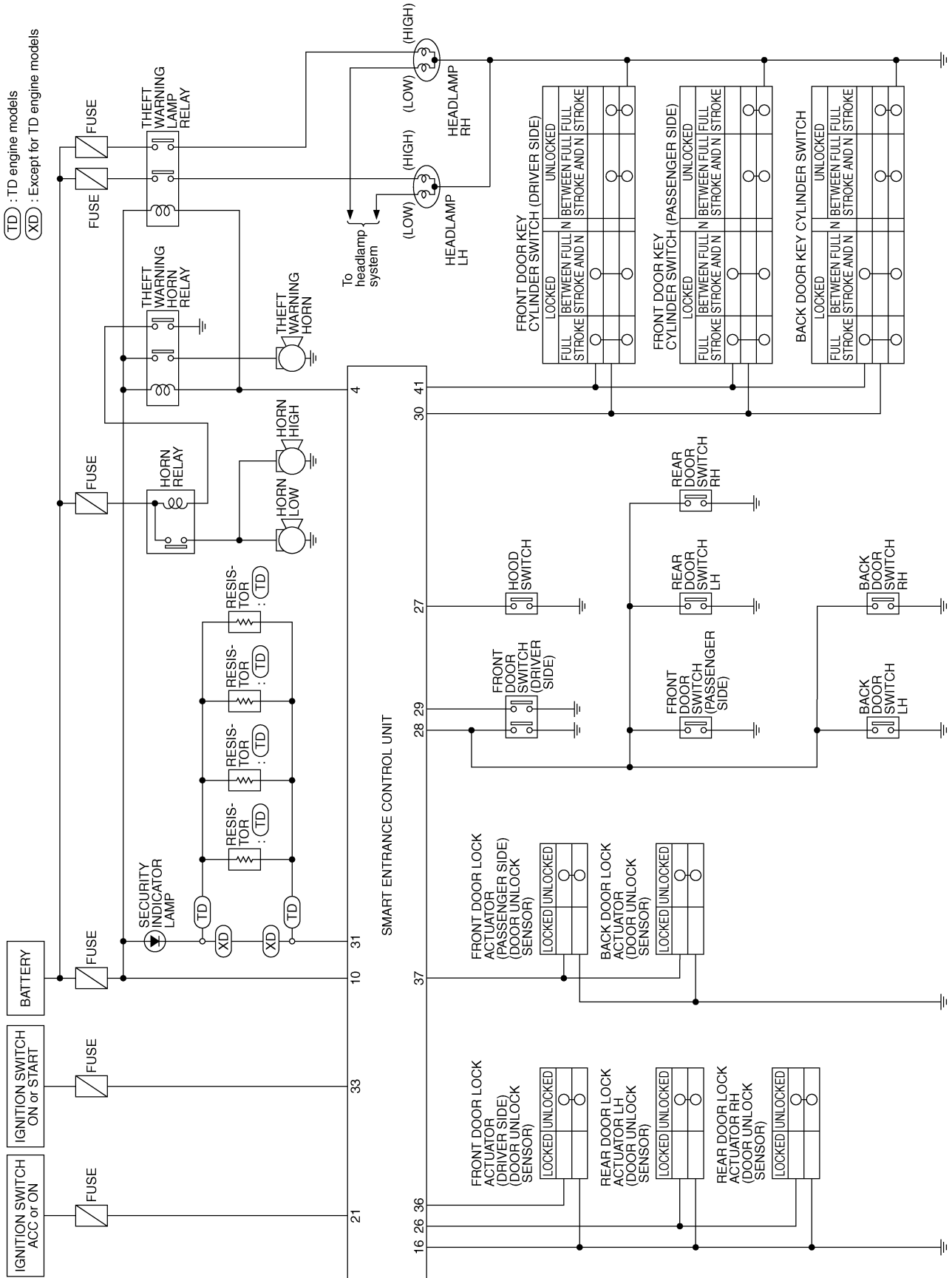
\*: This connector is not shown in "HARNES LAYOUT", EL section.

Refer to last page (Foldout page).

M22, D1

# THEFT WARNING SYSTEM

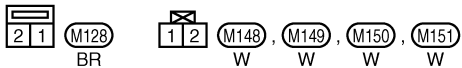
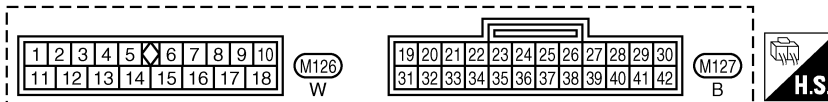
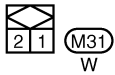
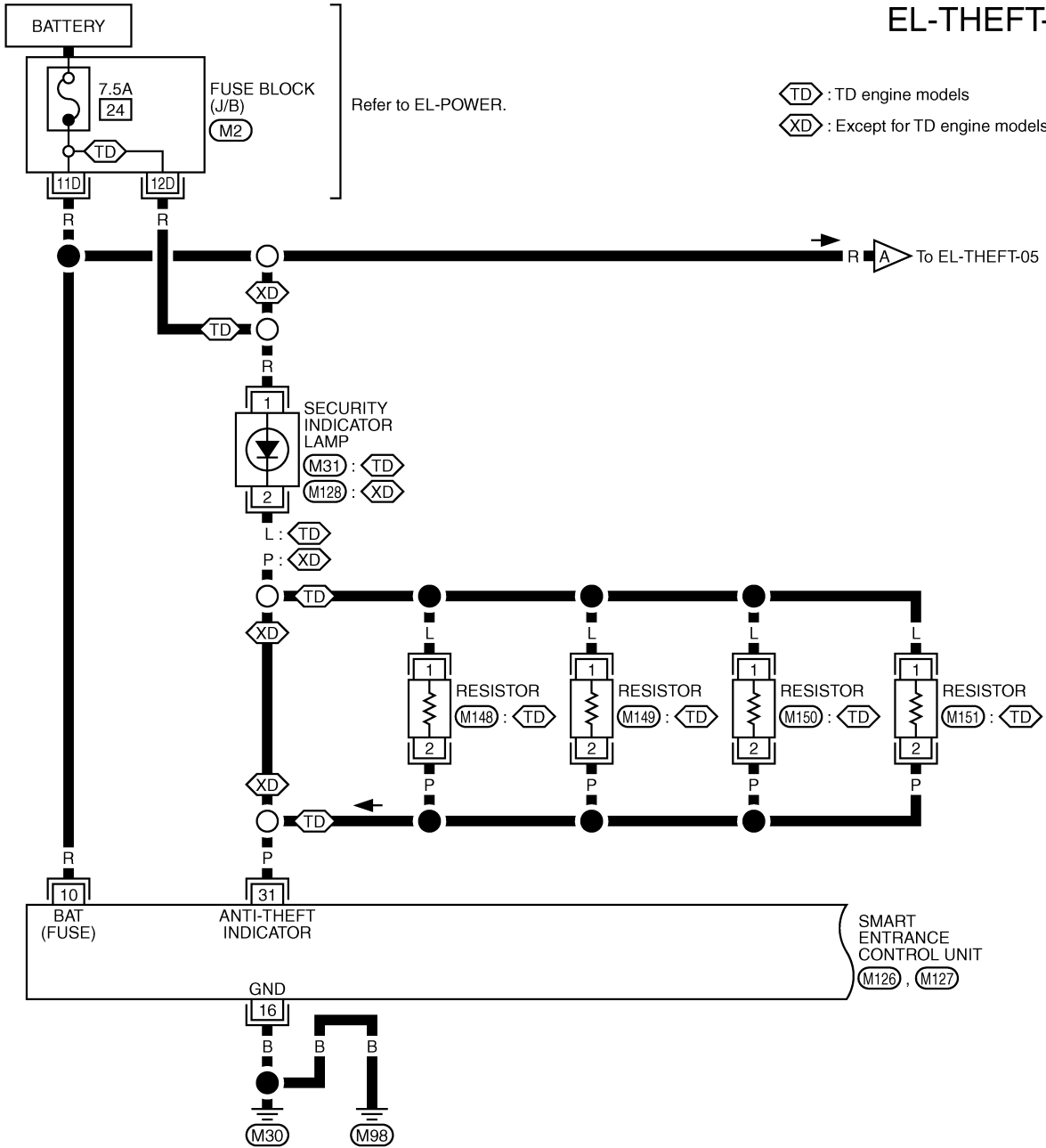
## Schematic



# THEFT WARNING SYSTEM

## Wiring Diagram — THEFT —/LHD Models

EL-THEFT-01



Refer to last page (Foldout page).

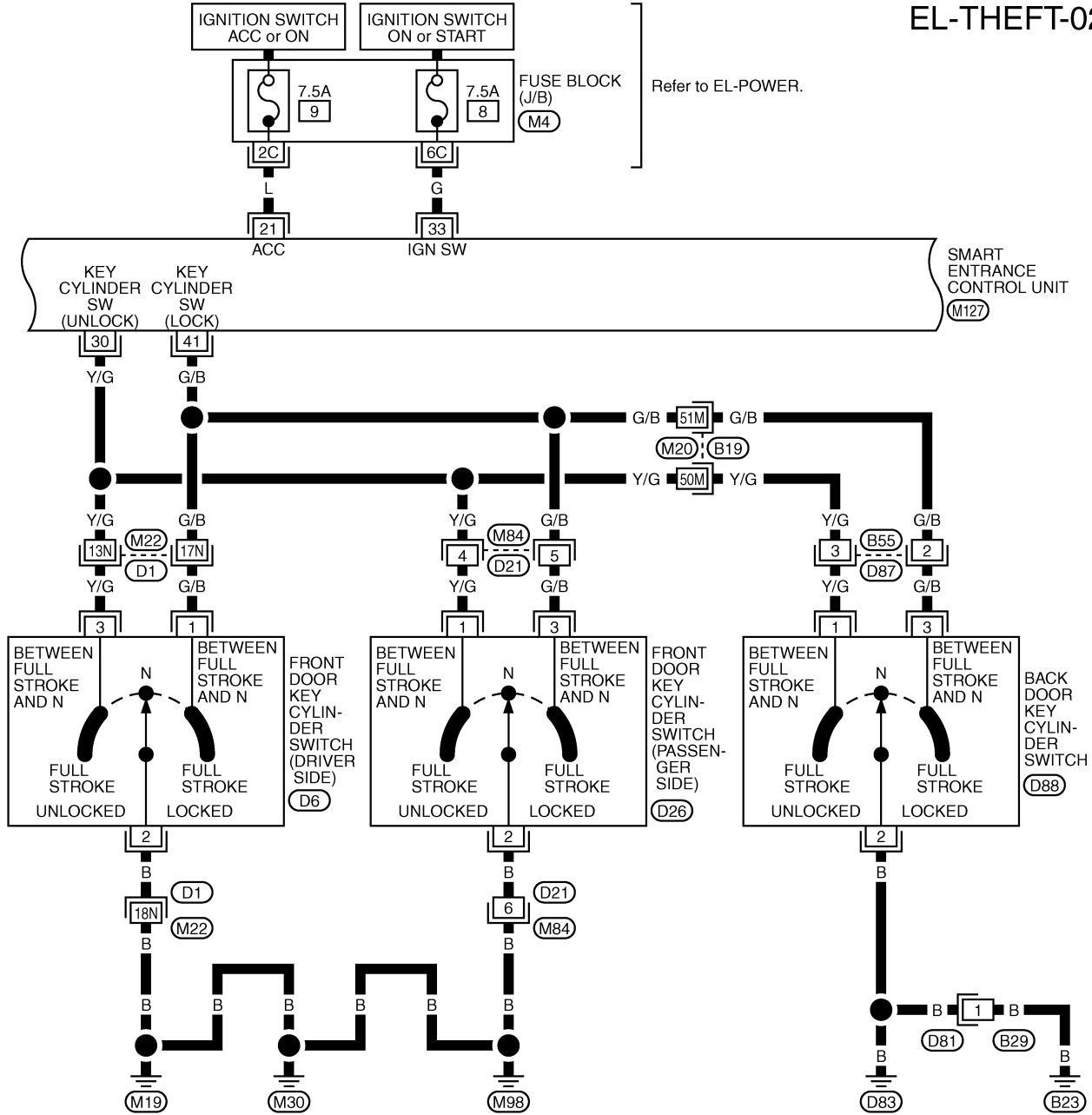


# THEFT WARNING SYSTEM

## Wiring Diagram — THEFT —/LHD Models (Cont'd)

EL-THEFT-02

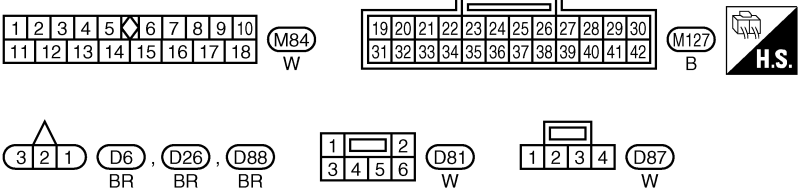
GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX



Refer to EL-POWER.

SMART  
ENTRANCE  
CONTROL UNIT  
(M127)

Refer to last page (Foldout page).

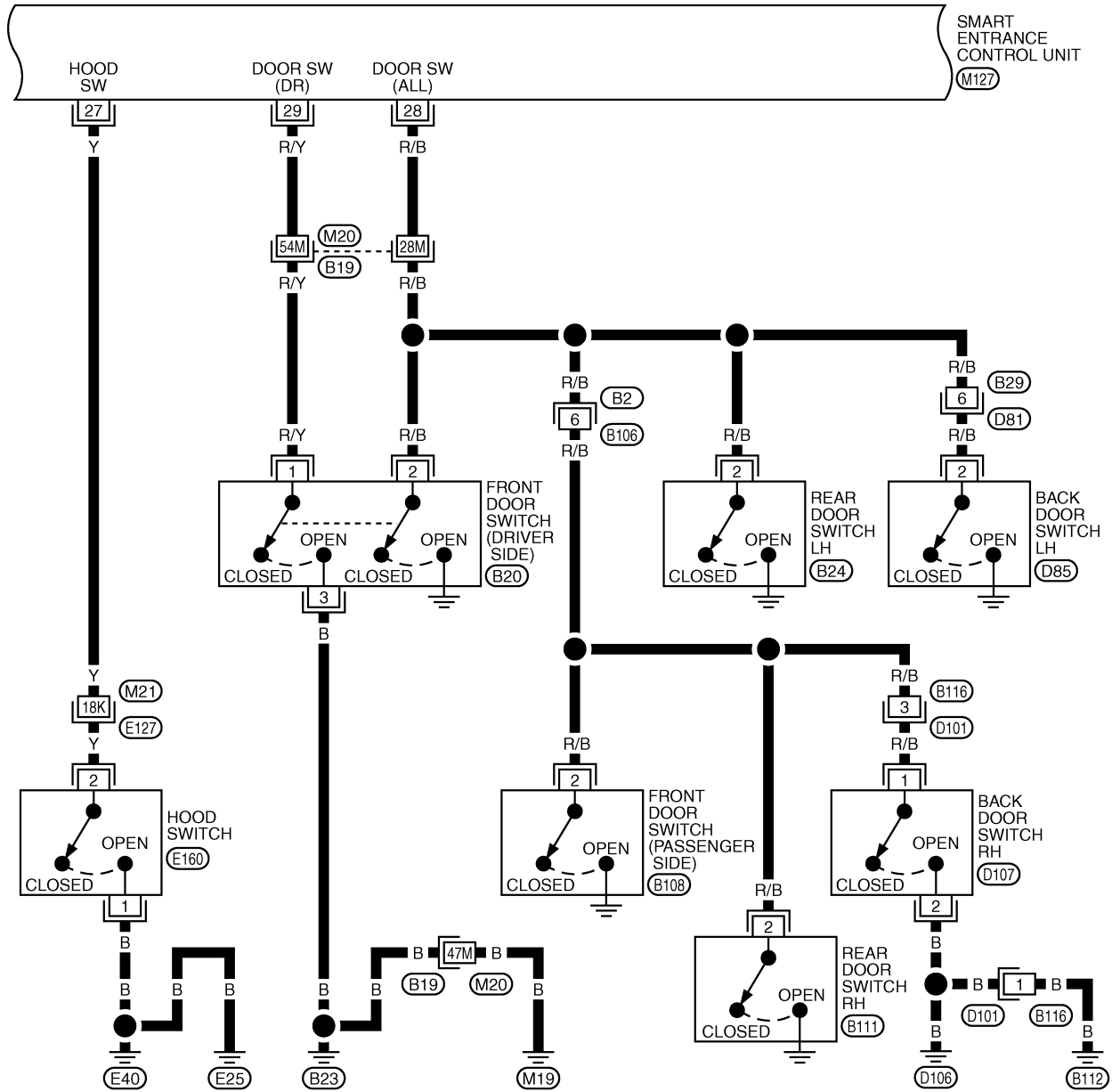


(M20), (B19)  
(M22), (D1)  
(M4)

# THEFT WARNING SYSTEM

## Wiring Diagram — THEFT —/LHD Models (Cont'd)

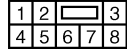
EL-THEFT-03



19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42



E160  
GY



B2  
W



B20, B24, B108, B111, D85  
B B B B B



D81, D101  
W W



D107  
W

Refer to last page (Foldout page).

M20, B19

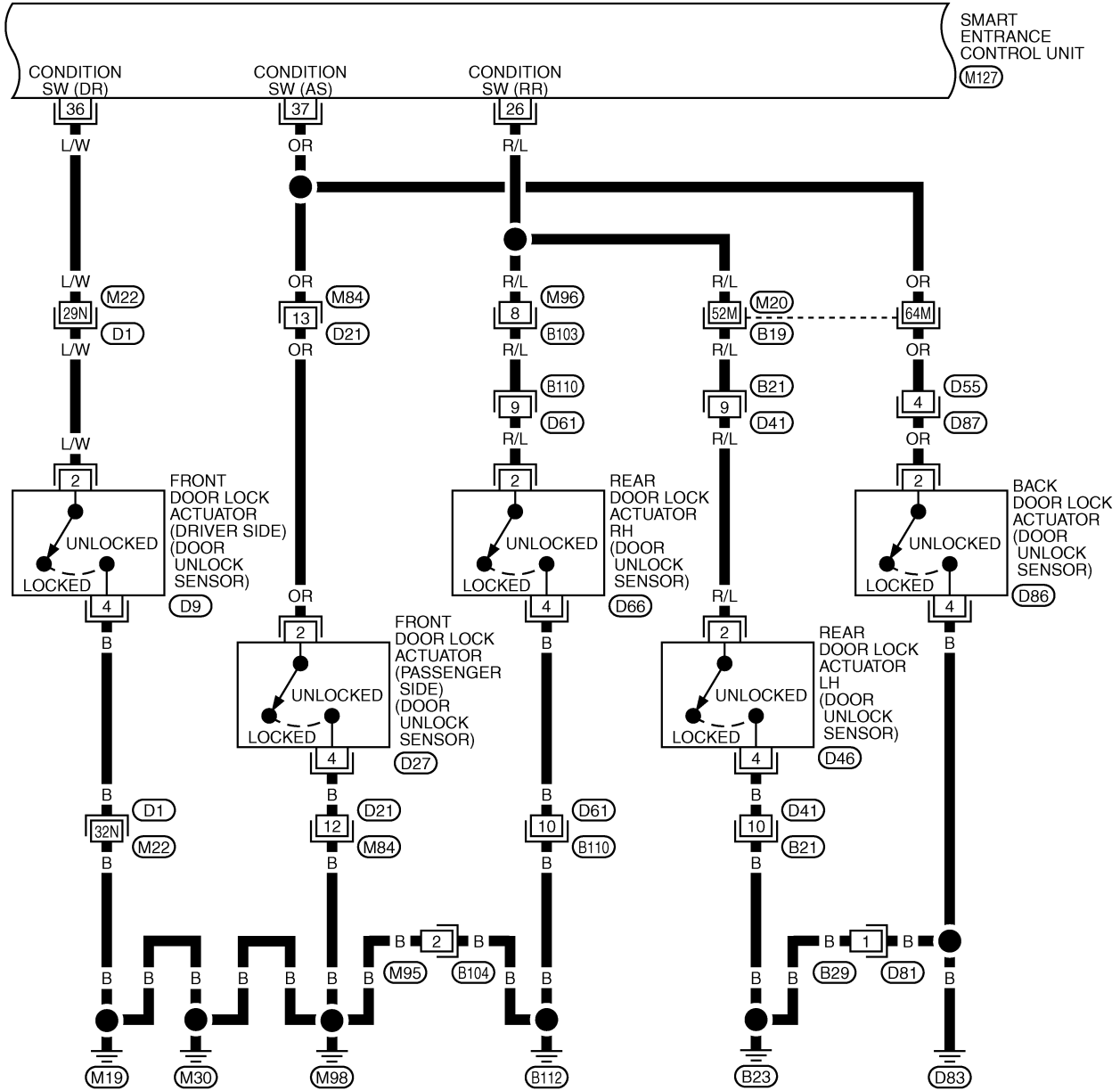
M21, E127



# THEFT WARNING SYSTEM

## Wiring Diagram — THEFT —/LHD Models (Cont'd)

EL-THEFT-04



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

(M84), (B21), (B110)  
W W W

19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42

(M127)  
B



Refer to last page (Foldout page).

(M20), (B19)  
(M22), (D1)

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

(B103)  
W

1	2	3	4		
5	6	7	8	9	10

(B104)  
W

3	4
1	2

(D9), (D27), (D46), (D66), (D86)  
GY GY GY GY GY

1	2		
3	4	5	6

(D81)  
W

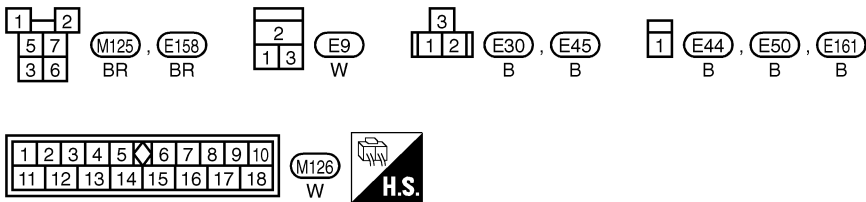
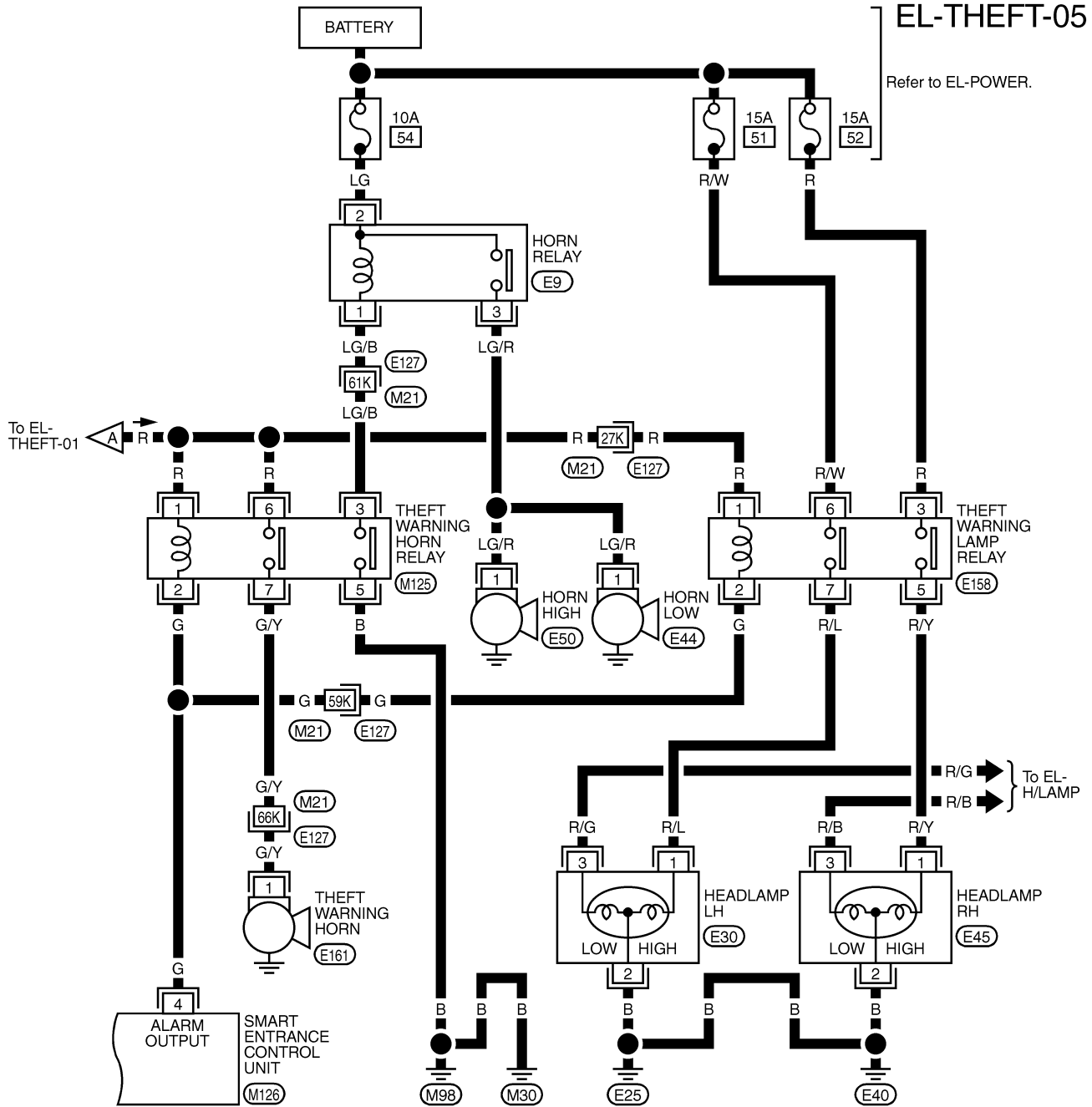
1	2	3	4
---	---	---	---

(D87)  
W

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

# THEFT WARNING SYSTEM

## Wiring Diagram — THEFT —/LHD Models (Cont'd)

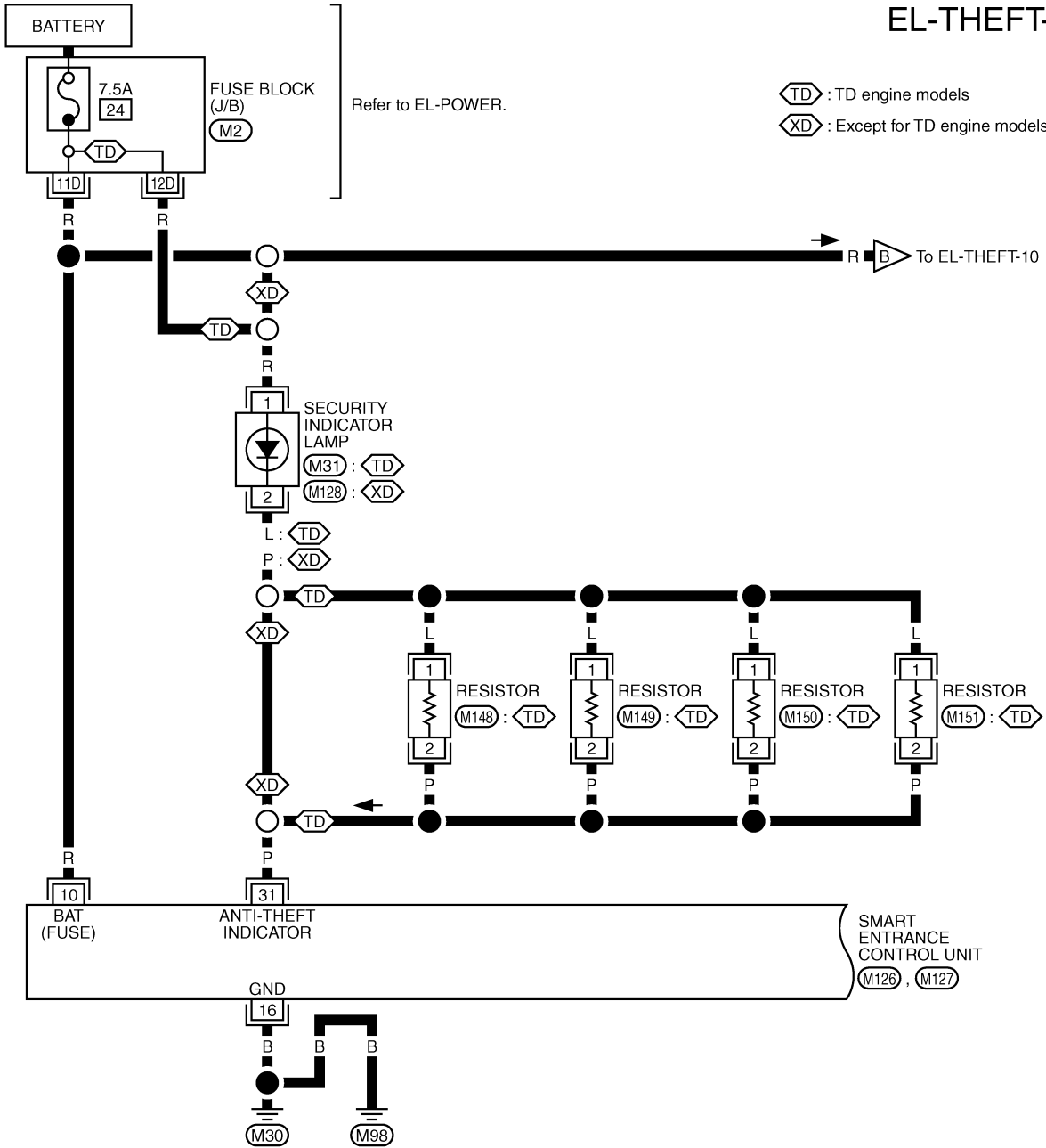


Refer to last page (Foldout page).  
M21, E127

# THEFT WARNING SYSTEM

## Wiring Diagram — THEFT —/RHD Models

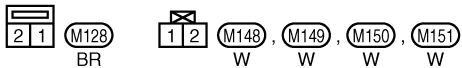
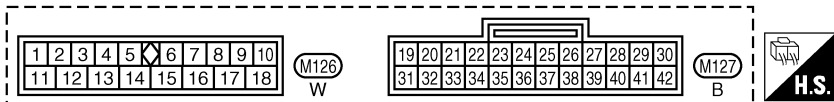
EL-THEFT-06



Refer to EL-POWER.

TD : TD engine models  
 XD : Except for TD engine models

GI  
 MA  
 EM  
 LC  
 EC  
 FE  
 CL  
 MT  
 AT  
 TF  
 PD  
 FA  
 RA  
 BR  
 ST  
 RS  
 BT  
 HA  
**EL**  
 SE  
 IDX

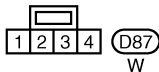
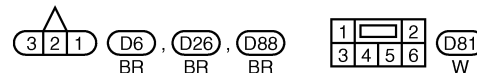
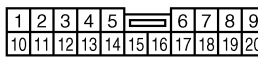
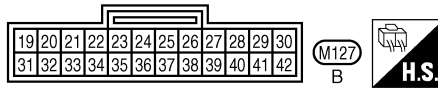
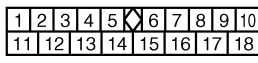
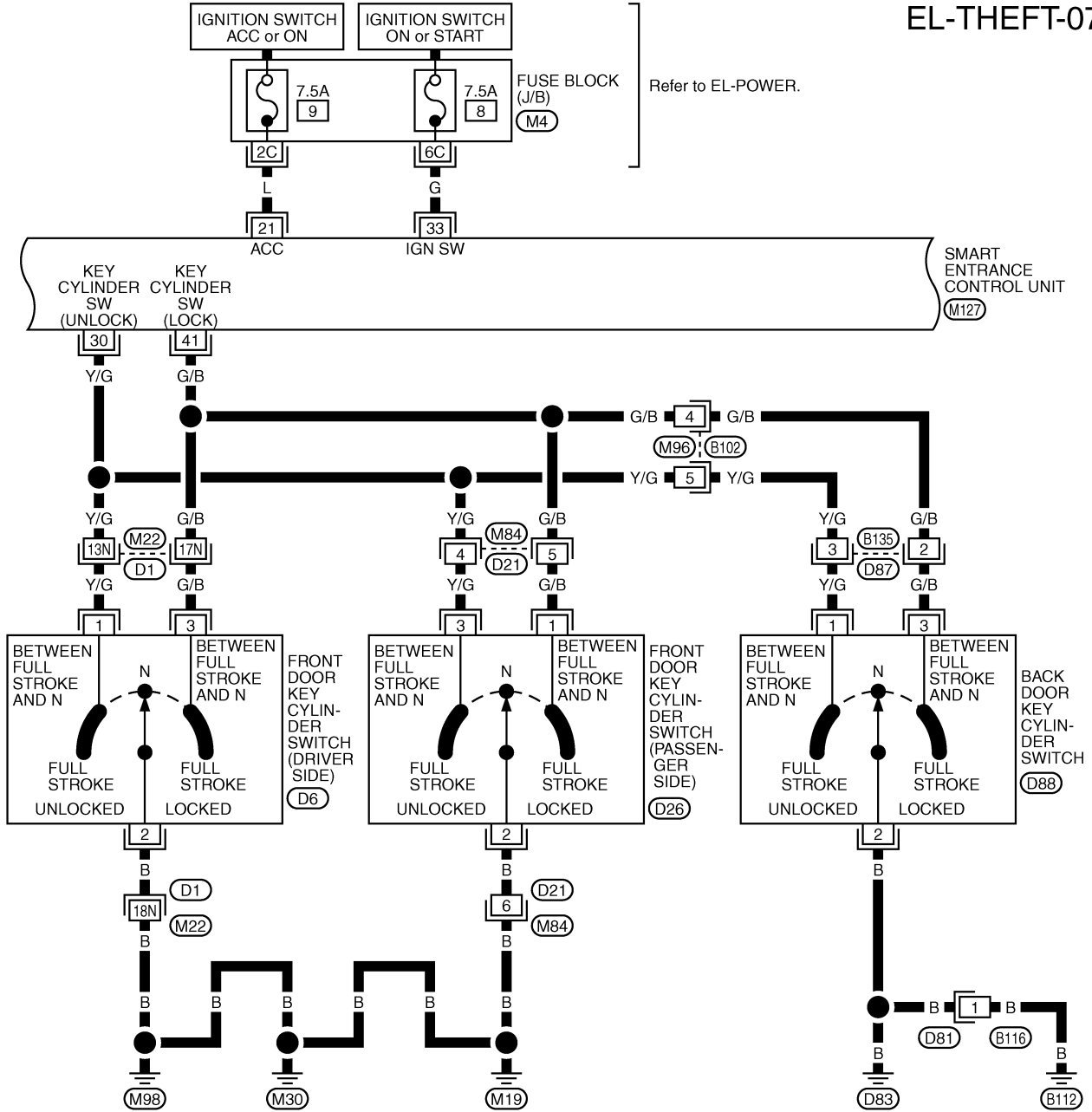


Refer to last page (Foldout page).  
 M2

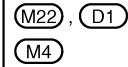
# THEFT WARNING SYSTEM

## Wiring Diagram — THEFT —/RHD Models (Cont'd)

EL-THEFT-07



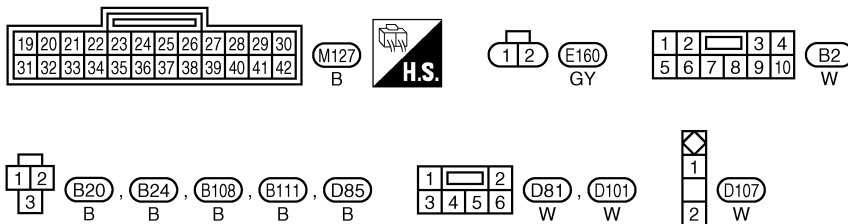
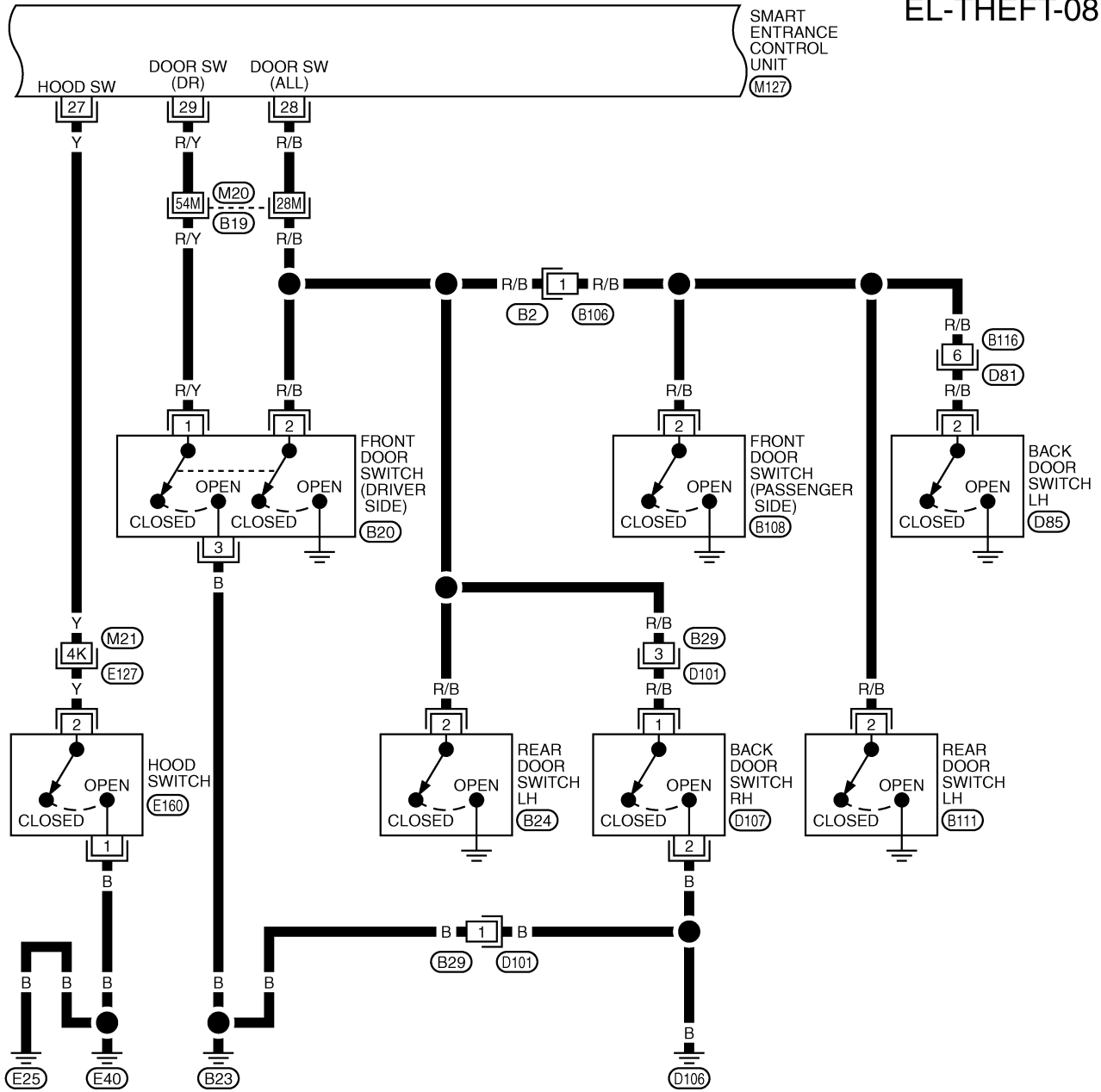
Refer to last page (Foldout page).



# THEFT WARNING SYSTEM

## Wiring Diagram — THEFT —/RHD Models (Cont'd)

EL-THEFT-08



Refer to last page (Foldout page).

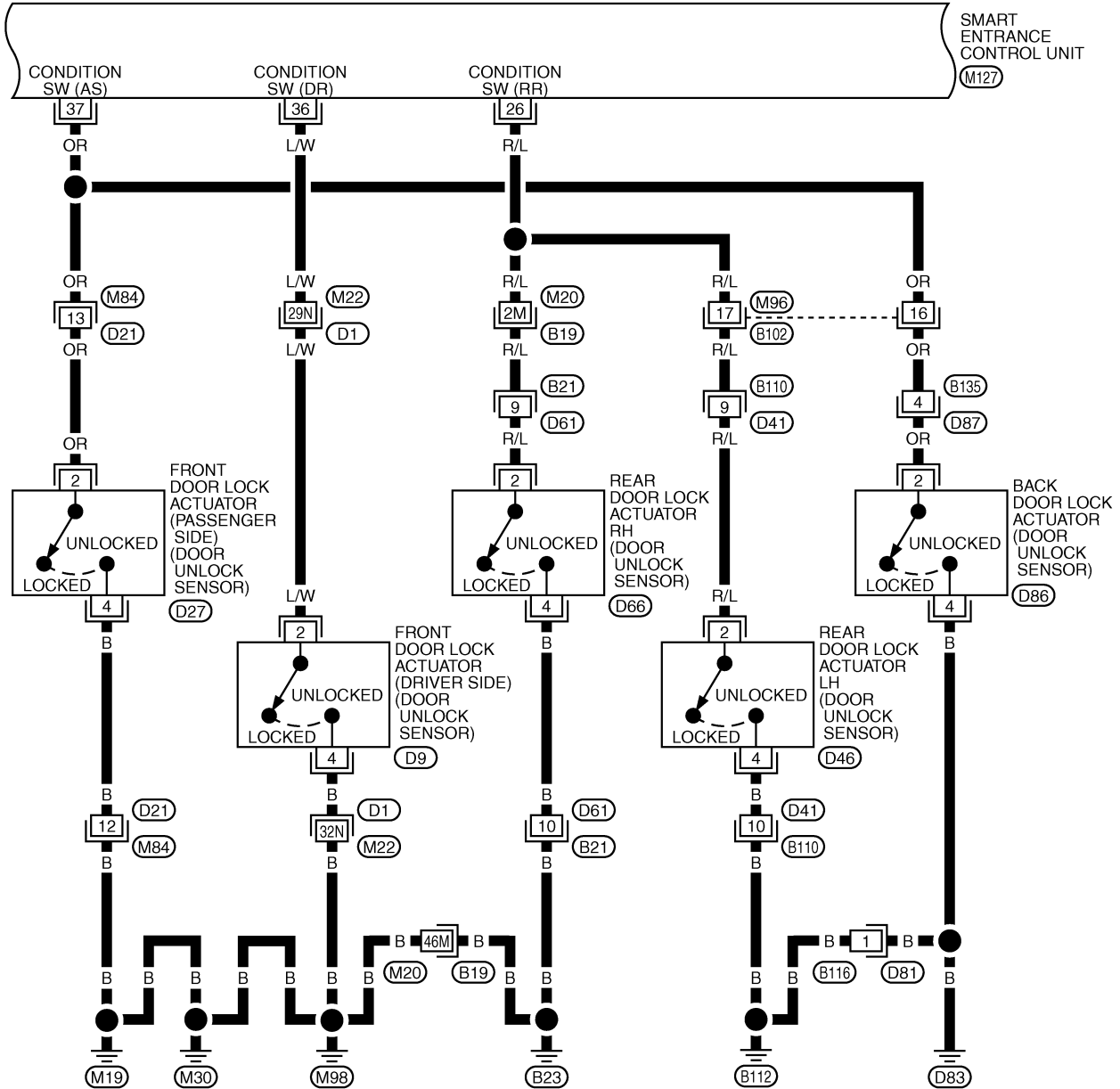
M20, B19  
M21, E127

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

# THEFT WARNING SYSTEM

## Wiring Diagram — THEFT —/RHD Models (Cont'd)

EL-THEFT-09



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

(M84), (B21), (B110)  
W W W

19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42

(M127)  
B **H.S.**

Refer to last page (Foldout page).

(M20), (B19)  
(M22), (D1)

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

(B102) W (3 4 1 2) (D9), (D27), (D46), (D66), (D86) GY GY GY GY GY

1	2		
3	4	5	6

(D81) W

1	2	3	4
---	---	---	---

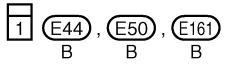
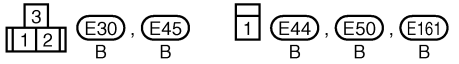
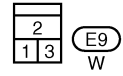
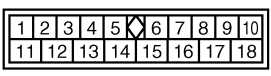
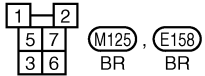
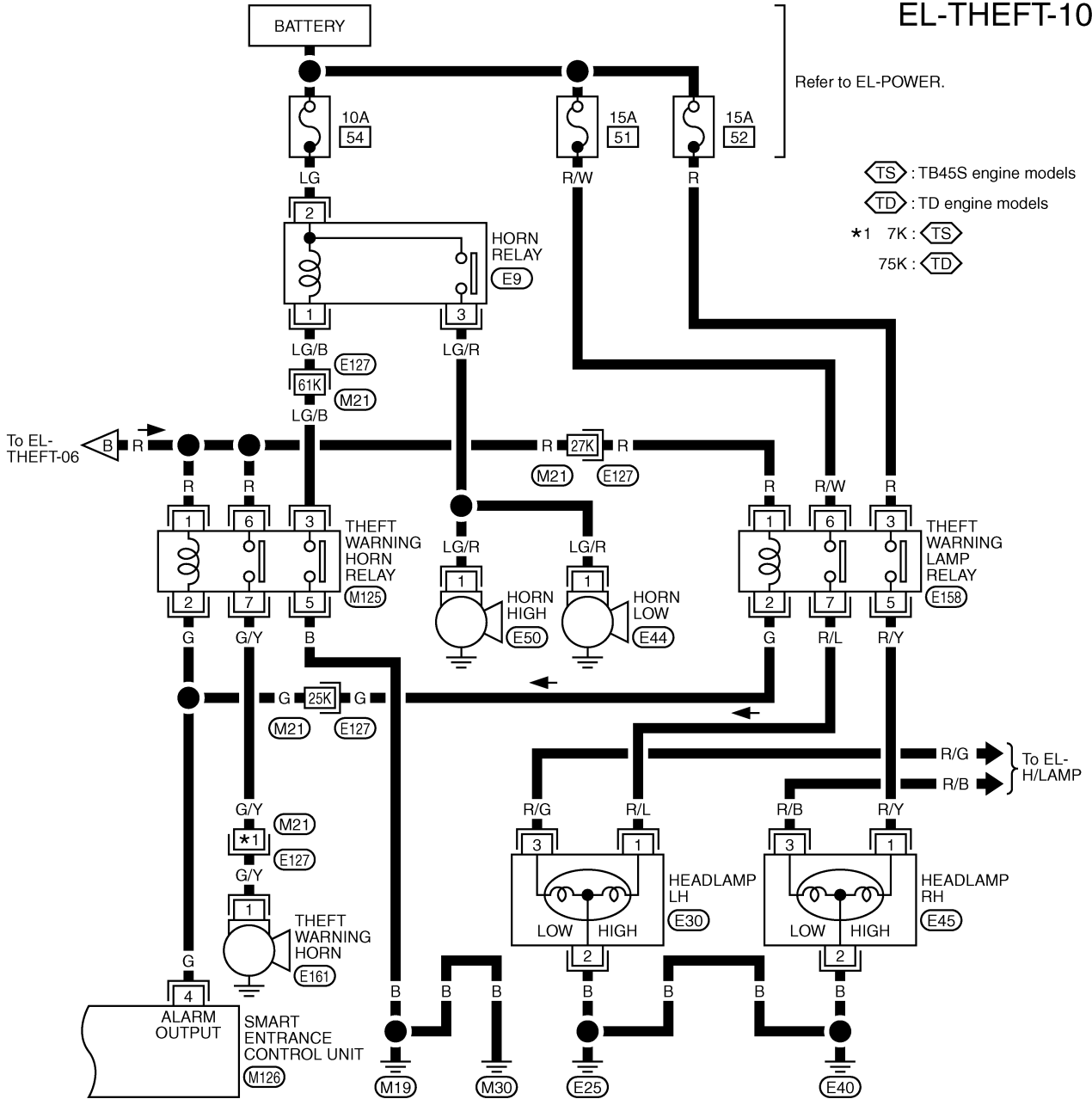
(D87) W

# THEFT WARNING SYSTEM

## Wiring Diagram — THEFT —/RHD Models (Cont'd)

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX

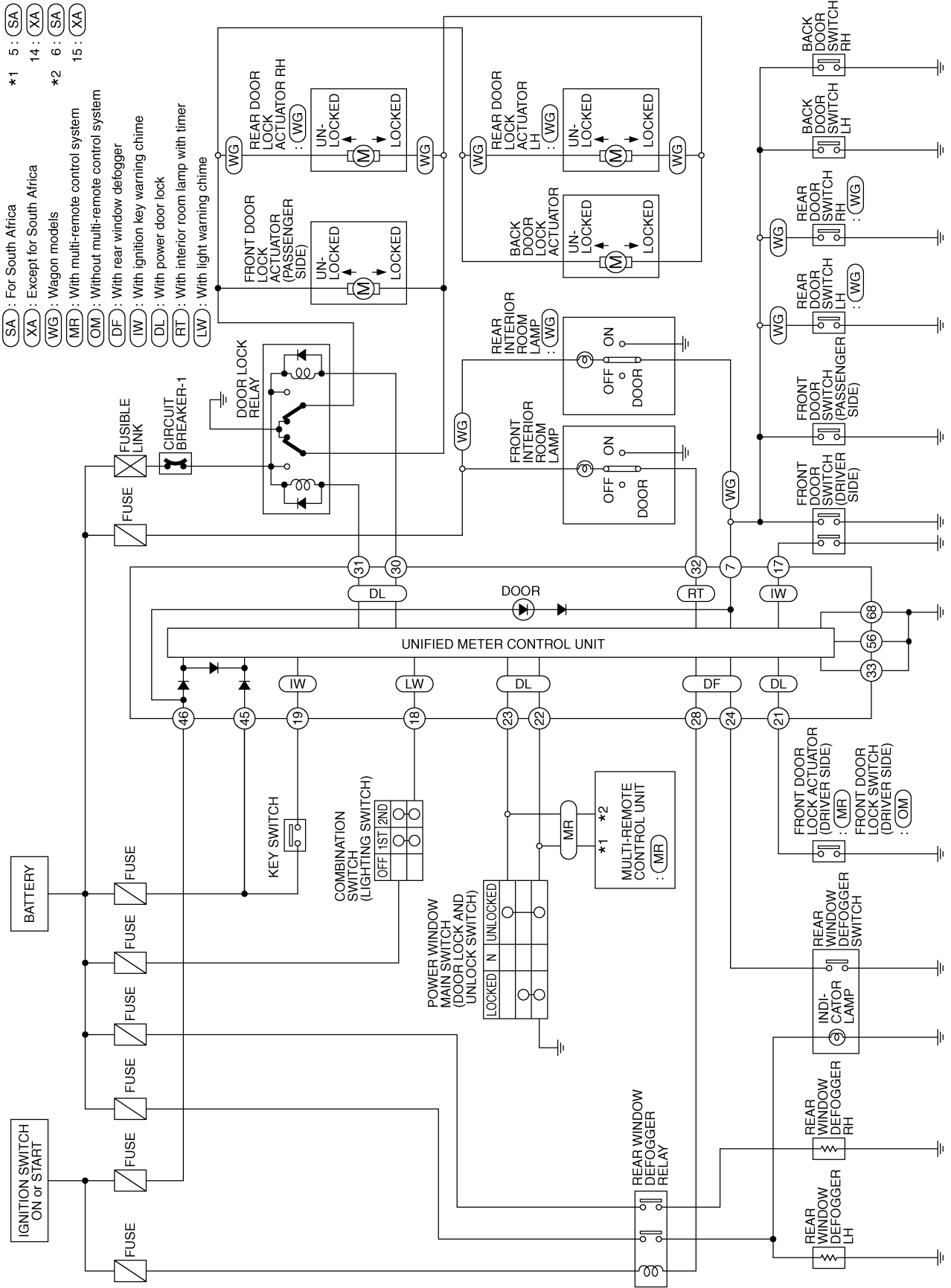
EL-THEFT-10



Refer to last page (Foldout page).  
(M21), (E127)

# UNIFIED METER CONTROL UNIT (TIME CONTROL SYSTEM)

## Schematic/Except for Europe and With Theft Warning System Models





## System Description

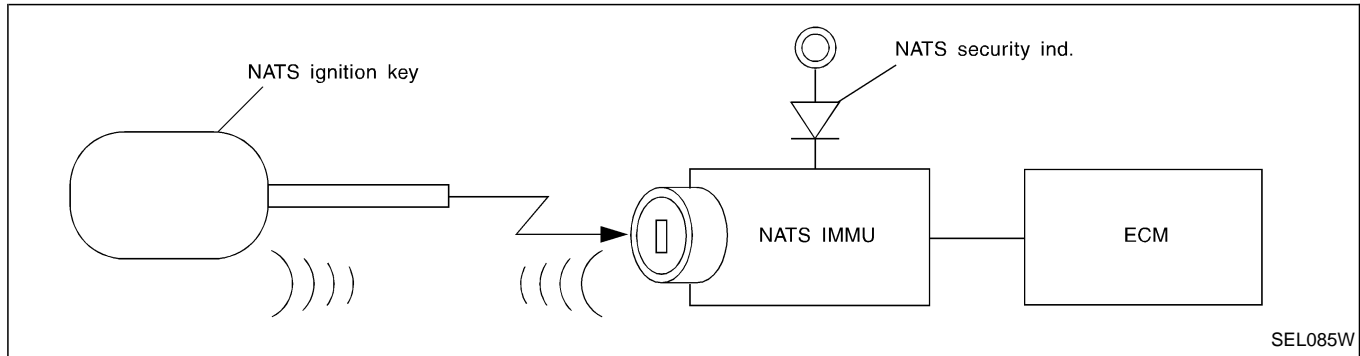
NATS (Nissan Anti-Theft System) has the following immobilizer functions:

- Since only NATS ignition keys, whose ID nos. have been registered into the ECM and IMMU of NATS, allow the engine to run, operation of a stolen vehicle without a NATS registered key is prevented by NATS. That is to say, NATS will immobilize the engine if someone tries to start it without the registered key of NATS.
- Both of the originally supplied ignition key IDs have been NATS registered. If requested by the vehicle owner, a maximum of five key IDs can be registered into the NATS components.
- The security indicator blinks when the ignition switch is in “OFF” or “ACC” position. Therefore, NATS warns outsiders that the vehicle is equipped with the anti-theft system.
- When NATS detects trouble, the security indicator lamp lights up while ignition key is in the “ON” position.
- NATS trouble diagnoses, system initialization and additional registration of other NATS ignition key IDs must be carried out using CONSULT-II hardware and CONSULT-II NATS software. When NATS initialization has been completed, the ID of the inserted ignition key is automatically NATS registered. Then, if necessary, additional registration of other NATS ignition key IDs can be carried out. Regarding the procedures of NATS initialization and NATS ignition key ID registration, refer to CONSULT-II operation manual, NATS.
- **When servicing a malfunction of the NATS (indicated by lighting up of Security Indicator Lamp) or registering another NATS ignition key ID no., it is necessary to re-register original key identification. Therefore, be sure to receive ALL KEYS from vehicle owner.**

## System Composition

The immobilizer function of the NATS consists of the following:

- NATS ignition key
- NATS immobilizer control unit NATS (IMMU), located in the ignition key cylinder
- Engine control module (ECM)
- NATS security indicator



GI

MA

EM

LC

EC

FE

CL

MT

AT

TF

PD

FA

RA

BR

ST

RS

BT

HA

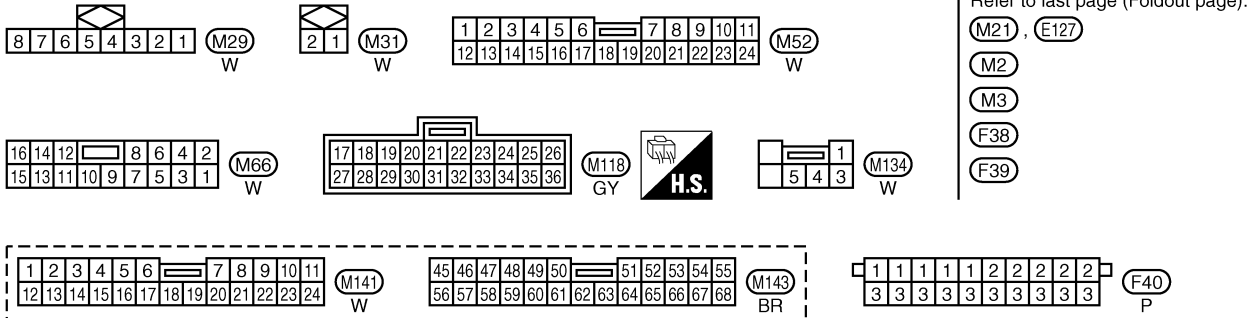
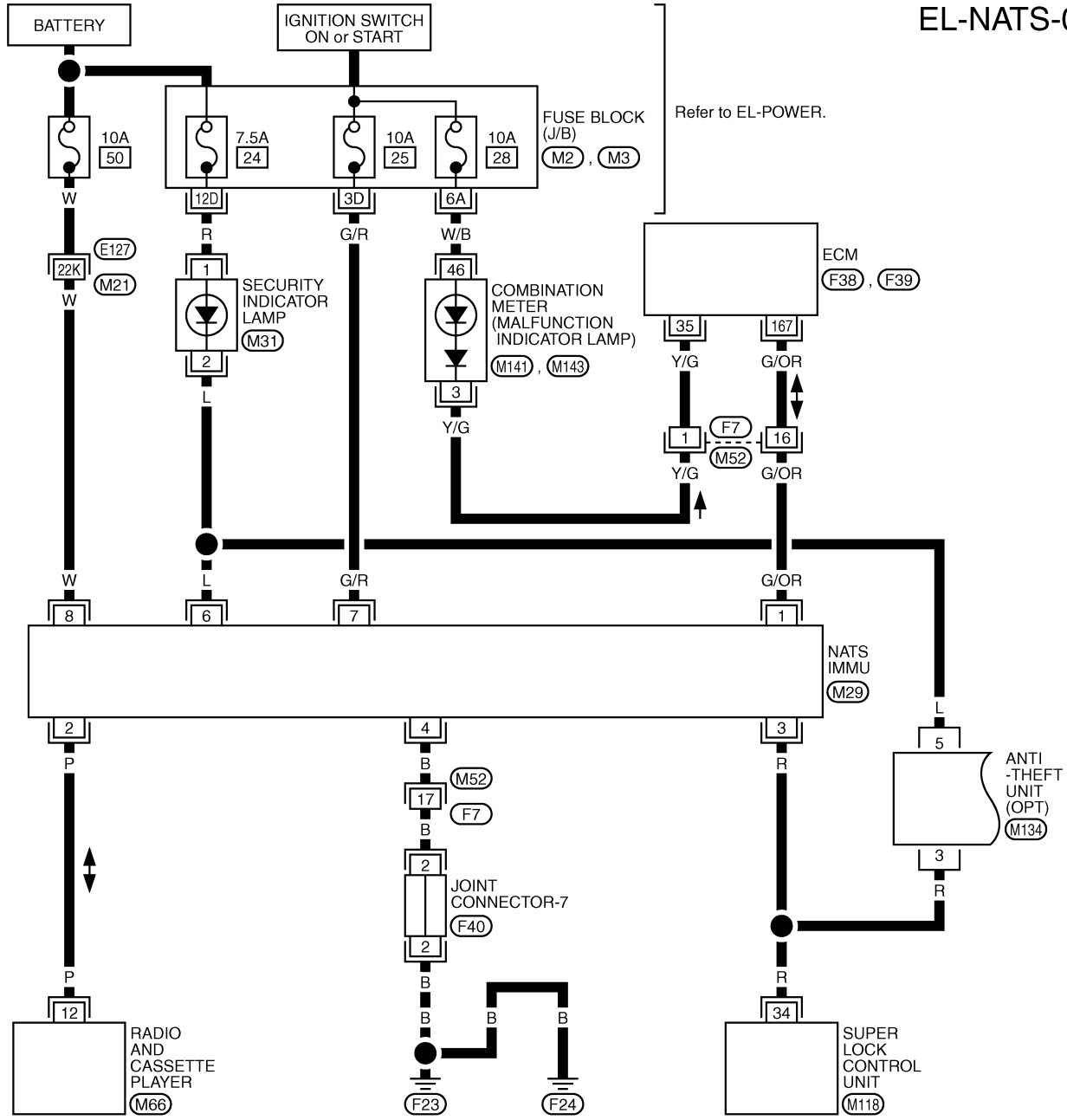
EL

SE

IDX

Wiring Diagram — NATS —

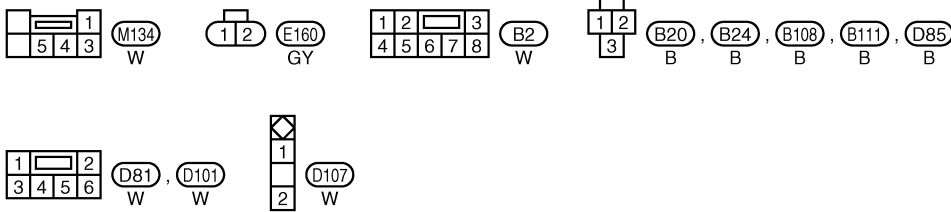
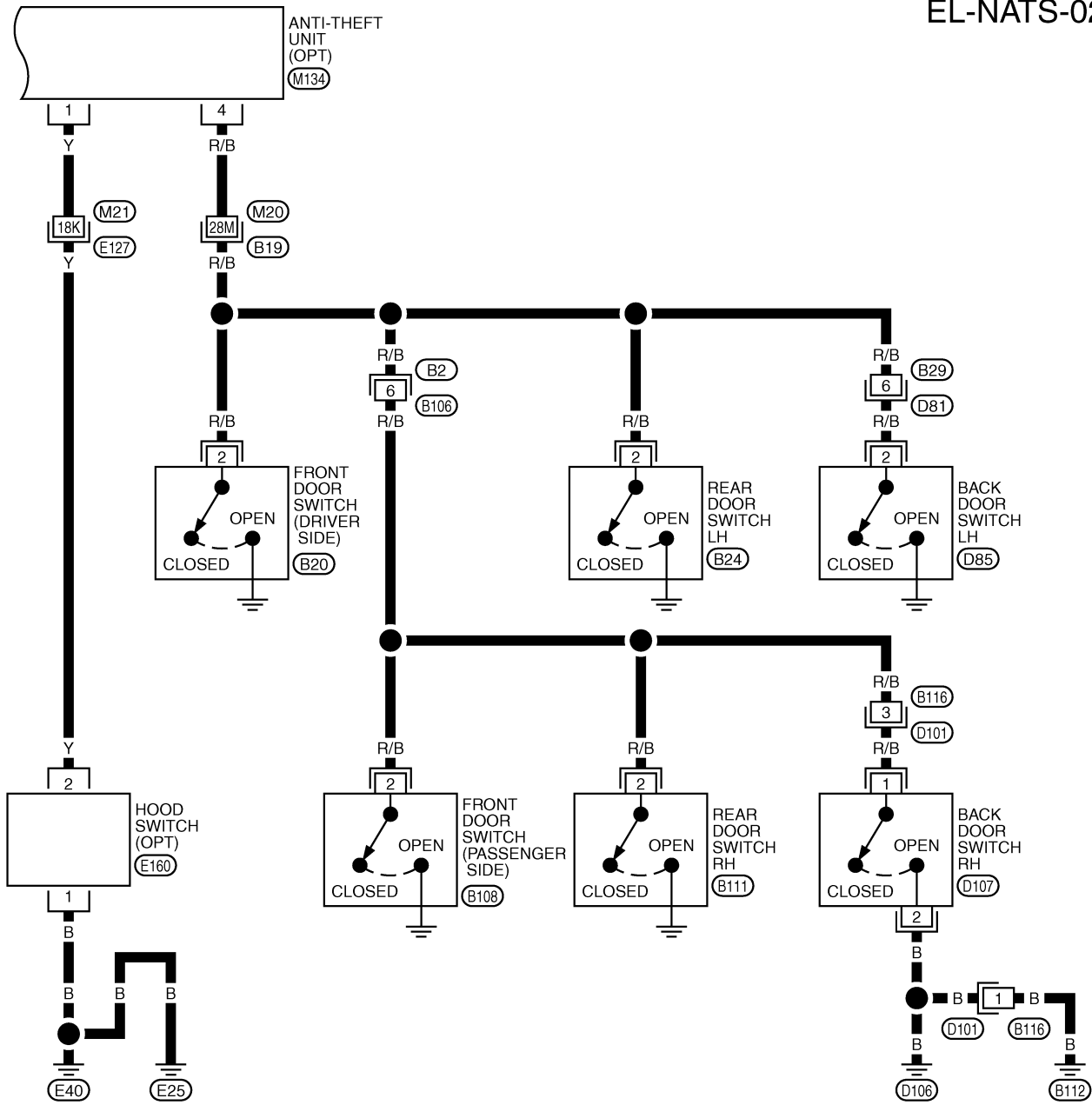
EL-NATS-01



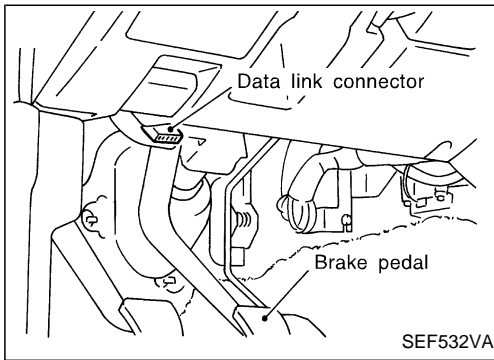
Wiring Diagram — NATS — (Cont'd)

EL-NATS-02

GI  
MA  
EM  
LC  
EC  
FE  
CL  
MT  
AT  
TF  
PD  
FA  
RA  
BR  
ST  
RS  
BT  
HA  
EL  
SE  
IDX



Refer to last page (Foldout page).  
 (M20), (B19)  
 (M21), (E127)



## CONSULT-II

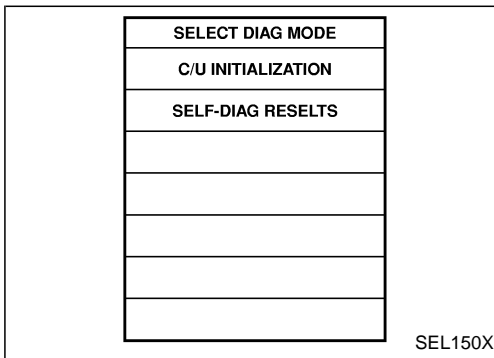
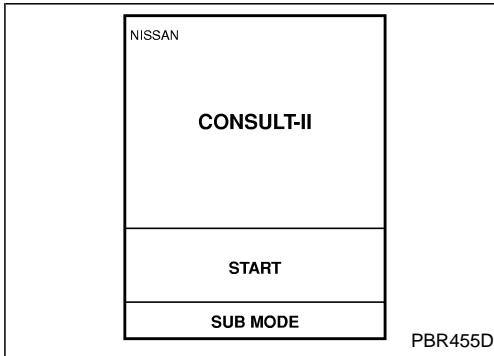
### CONSULT-II INSPECTION PROCEDURE

1. Turn ignition switch OFF.
2. Insert NATS program card into CONSULT-II.

#### Program card

#### AEN00A/B

3. Connect CONSULT-II to Data link connector which is located behind the fuse box cover.
4. Turn ignition switch ON.
5. Touch "START".



6. Perform each diagnostic test mode according to each service procedure.

**For further information, see the CONSULT-II Operation Manual, NATS.**

# NATS (Nissan Anti-Theft System)/TB48DE ENGINE MODELS FOR EUROPE

## CONSULT-II (Cont'd)

### CONSULT-II DIAGNOSTIC TEST MODE FUNCTION

CONSULT-II DIAGNOSTIC TEST MODE	Description
C/U INITIALIZATION	When replacing any of the following components, C/U initialization is necessary. [NATS ignition key/IMMU/ECM/Dongle unit]
SELF-DIAG RESULTS	Detected items (screen terms) are as shown in the chart below.

#### NOTE:

When any initialization is performed, all ID previously registered will be erased. So all NATS ignition keys must be registered again.

The engine cannot be started with an unregistered key. In this case, the system may show "DIFFERENCE OF KEY" or "LOCK MODE" as a self-diagnostic result on the CONSULT-II screen.

### HOW TO READ SELF-DIAGNOSTIC RESULTS

**Result display screen (When no malfunction is detected)**

SELF-DIAG RESULTS	
DTC RESULTS	TIME
NO DTC IS DETECTED. FURTHER TESTING MAY BE REQUIRED.	
	PRINT

**Result display screen (When malfunction is detected)**

SELF-DIAG RESULTS	
DTC RESULTS	TIME
CHAIN OF ECM-IMMU	0
DIFFERENCE OF KEY	1
Scroll down	
ERASE	PRINT

Detected items →

Time data ← This indicates how many times the vehicle was driven after the last detection of a malfunction. If the malfunction is detected currently, the time data will be "0".

If "Scroll Down" is indicated, there are four or more defected items.

When touched, the results stored in the engine control module (ECM) are erased.

When touched, the results are printed out.

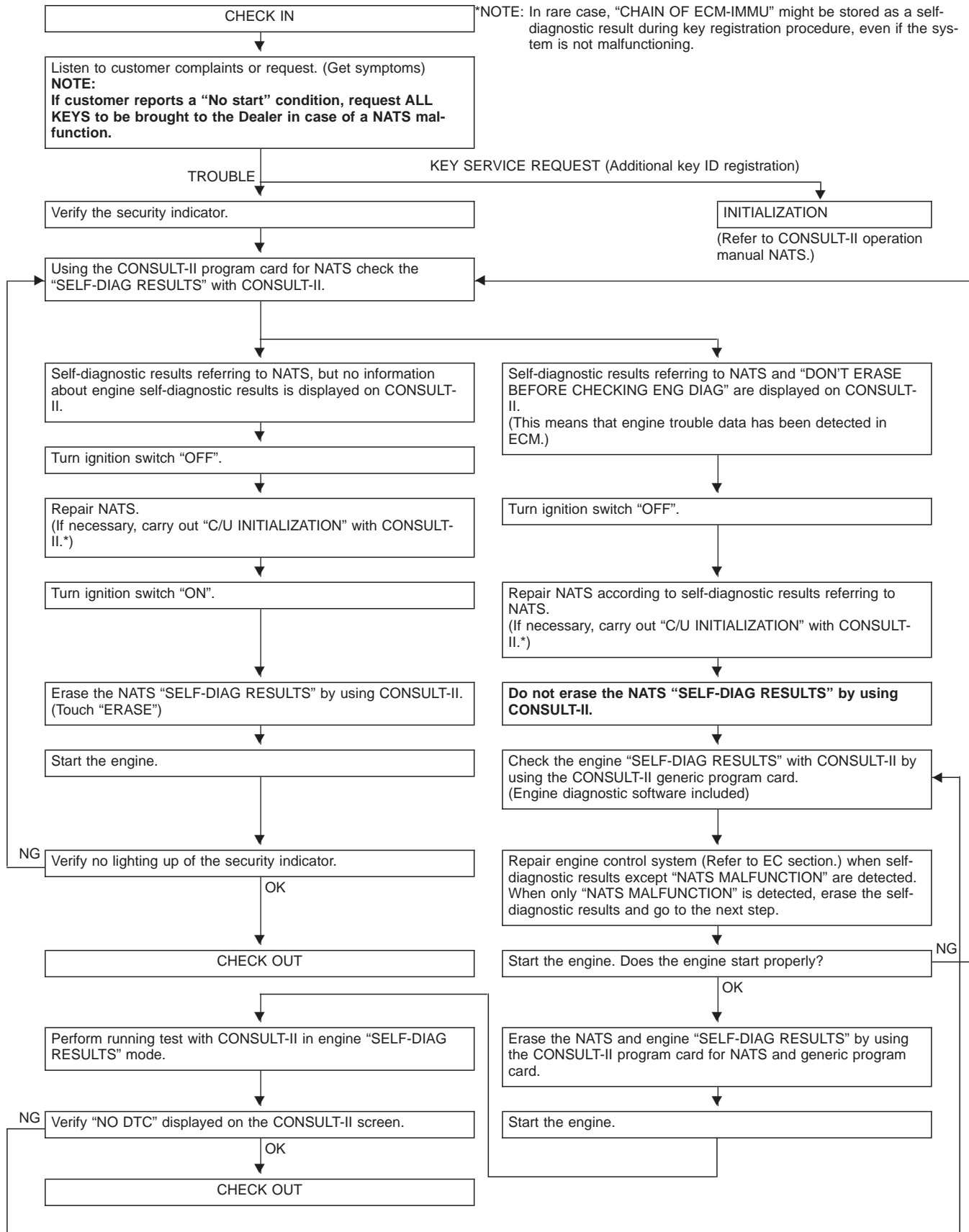
SEL151X

### SELF-DIAGNOSTIC RESULTS ITEM CHART

Detected items (Screen terms)	Description	Reference page
ECM INT CIRC-IMMU	The malfunction of ECM internal circuit of IMMU communication line is detected.	EL-232
CHAIN OF ECM-IMMU	Communication impossible between ECM and IMMU. (In rare case, "CHAIN OF ECM-IMMU" might be stored during key registration procedure, even if the system is not malfunctioning.)	EL-233
DIFFERENCE OF KEY	IMMU can receive the key ID signal but the result of ID verification between key ID and IMMU is NG.	EL-235
CHAIN OF IMMU-KEY	IMMU cannot receive the key ID signal. Otherwise, the registered ID signal from dongle unit cannot be received when the IMMU requests the ID.	EL-235
ID DISCORD, IMM-ECM	The result of ID verification between IMMU and ECM is NG. System initialization is required.	EL-236
DON'T ERASE BEFORE CHECKING ENG DIAG	Engine trouble data and NATS trouble data have been detected in ECM.	EL-230
LOCK MODE	When the starting operation is carried out 5 or more times consecutively under the following conditions, NATS will shift the mode to one which prevents the engine from being started. <ul style="list-style-type: none"> <li>● unregistered ignition key is used</li> <li>● IMMU or ECM malfunctioning</li> </ul>	EL-237

## Trouble Diagnoses

### WORK FLOW



# NATS (Nissan Anti-Theft System)/TB48DE ENGINE MODELS FOR EUROPE

## Trouble Diagnoses (Cont'd)

### SYMPTOM MATRIX CHART 1 (Self-diagnosis related item)

SYMPTOM	Displayed "SELF-DIAG RESULTS" on CONSULT-II screen.	DIAGNOSTIC PROCEDURE (Reference page)	SYSTEM (Malfunctioning part or mode)	REFERENCE PART NO. OF ILLUSTRATION ON DIAGNOSTIC SYSTEM DIAGRAM
<ul style="list-style-type: none"> <li>Security indicator lighting up*</li> <li>Engine does not start</li> </ul>	ECM INT CIRC-IMMU	PROCEDURE 1 (EL-232)	ECM	B
	CHAIN OF ECM-IMMU	PROCEDURE 2 (EL-233)	In rare case, "CHAIN OF ECM-IMMU might be stored during key registration procedure, even if the system is not malfunctioning.	—
			Open circuit in battery voltage line of IMMU circuit	C1
			Open circuit in ignition line of IMMU circuit	C2
			Open circuit in ground line of IMMU circuit	C3
			Open circuit in communication line between IMMU and ECM	C4
			Short circuit between IMMU and ECM communication line and battery voltage line	C4
			Short circuit between IMMU and ECM communication line and ground line	C4
			ECM	B
			IMMU	A
	DIFFERENCE OF KEY	PROCEDURE 3 (EL-235)	Unregistered key	D
			IMMU	A
	CHAIN OF IMMU-KEY	PROCEDURE 4 (EL-235)	Malfunction of key ID chip	E
			IMMU	A
	ID DISCORD, IMM-ECM	PROCEDURE 5 (EL-236)	System initialization has not yet been completed.	F
		ECM	B	
LOCK MODE	PROCEDURE 6 (EL-237)	LOCK MODE	D	
<ul style="list-style-type: none"> <li>MIL staying ON</li> <li>Security indicator lighting up*</li> </ul>	DON'T ERASE BEFORE CHECKING ENG DIAG	WORK FLOW (EL-230)	Engine trouble data and NATS trouble data have been detected in ECM	—

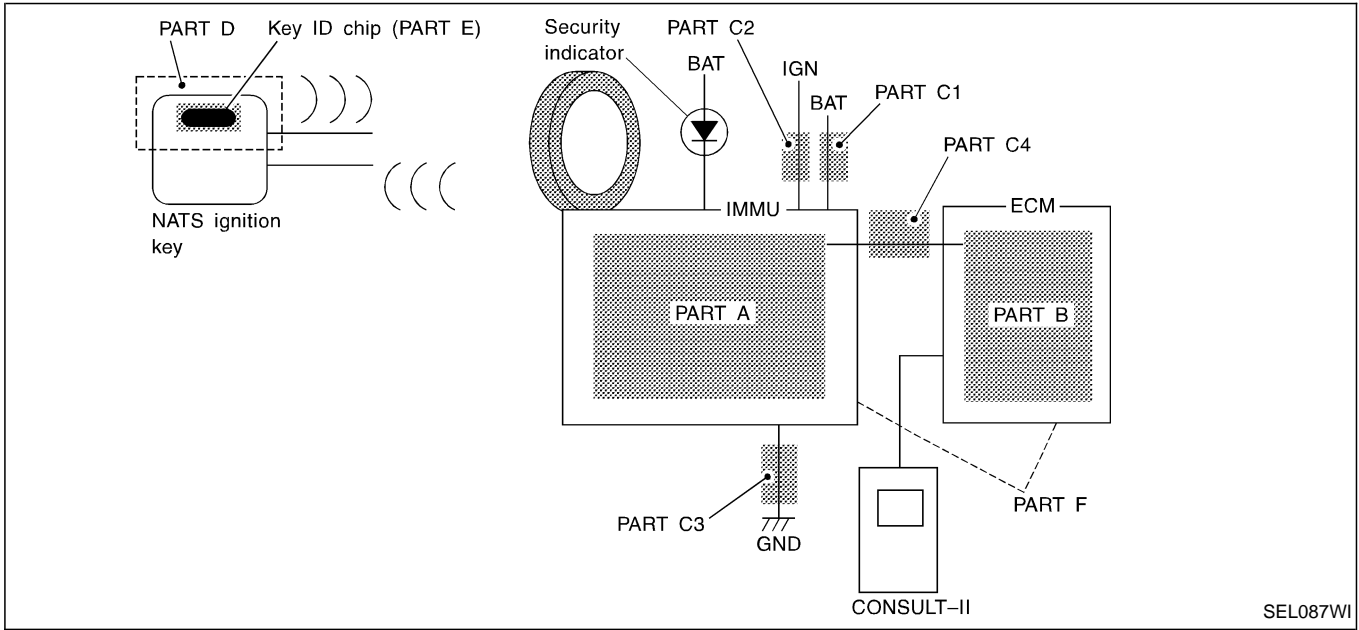
\*: When NATS detects trouble, the security indicator lights up while ignition key is in the "ON" position.

### SYMPTOM MATRIX CHART 2 (Non self-diagnosis related item)

SYMPTOM	DIAGNOSTIC PROCEDURE (Reference page)	SYSTEM (Malfunctioning part or mode)	REFERENCE PART NO. OF ILLUSTRATION ON DIAGNOSTIC SYSTEM DIAGRAM
Security ind. does not light up.	PROCEDURE 7 (EL-238)	Security ind.	—
		Open circuit between Fuse and NATS IMMU	—
		Continuation of initialization mode	—
		NATS IMMU	A

Trouble Diagnoses (Cont'd)

DIAGNOSTIC SYSTEM DIAGRAM



SEL087WI

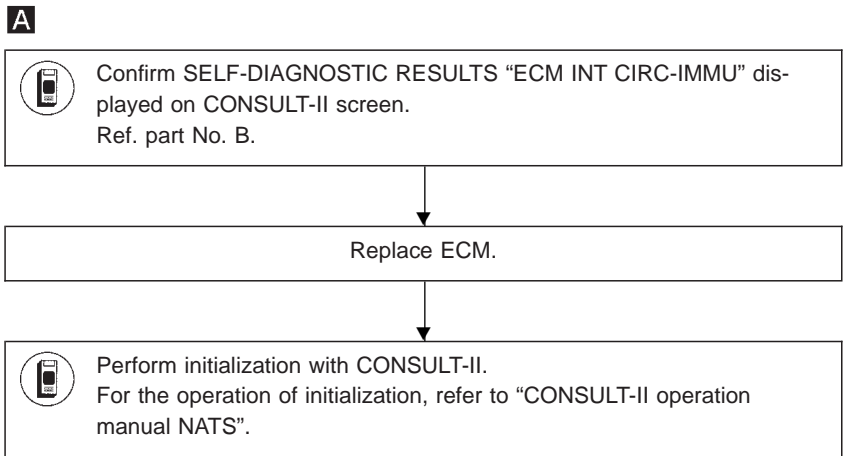
**A**

SELF-DIAG RESULTS	
DTC RESULTS	TIME
ECM INT CIRC-IMMU	0

SEL152X

DIAGNOSTIC PROCEDURE 1

Self-diagnostic results:  
 "ECM INT CIRC-IMMU" displayed on CONSULT-II screen









Trouble Diagnoses (Cont'd)

DIAGNOSTIC PROCEDURE 3

Self-diagnostic results:  
 "DIFFERENCE OF KEY" displayed on CONSULT-II screen

**A**

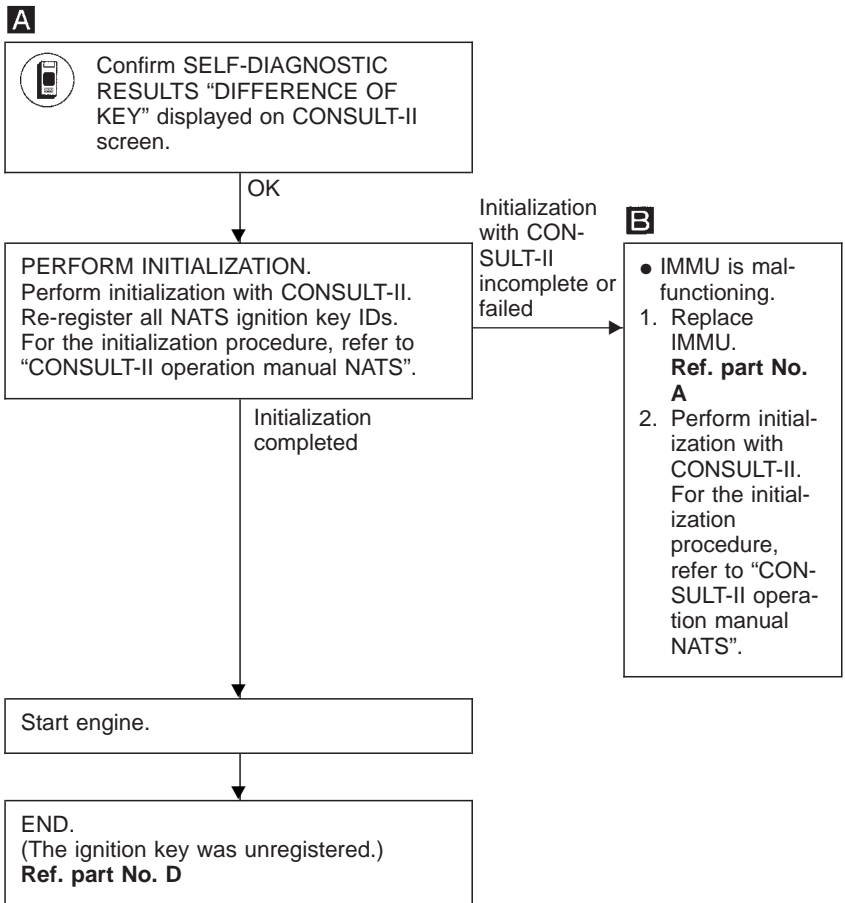
SELF-DIAG RESULTS	
DTC RESULTS	TIME
DIFFERENCE OF KEY	0

SEL163X

**B**

IMMU INITIALIZATION
INITIALIZATION FAIL
THEN IGN KEY SW 'OFF' AND 'ON', AFTER CONFIRMING SELF-DIAG AND PASSWORD, PERFORM C/U INITIALIZATION AGAIN.

SEL566W



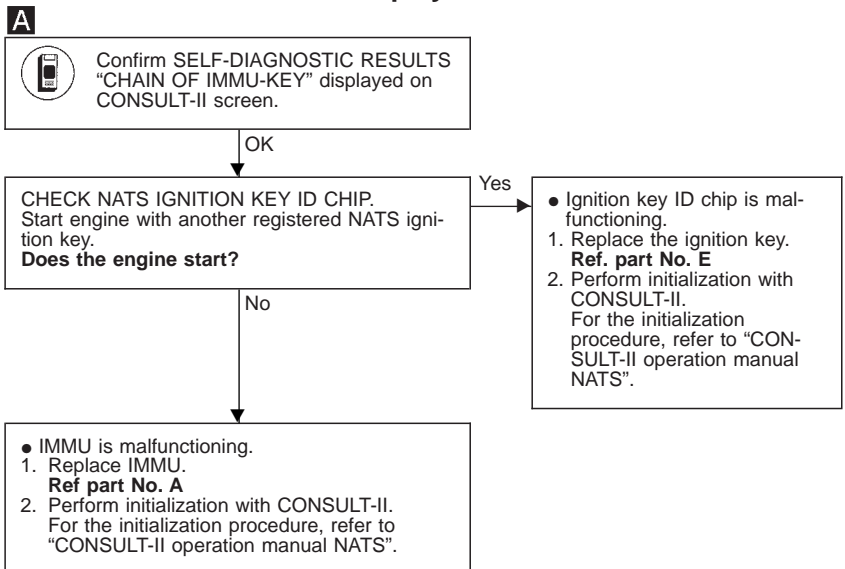
DIAGNOSTIC PROCEDURE 4

Self-diagnostic results:  
 "CHAIN OF IMMU-KEY" displayed on CONSULT-II screen

**A**

SELF-DIAG RESULTS	
DTC RESULTS	TIME
CHAIN OF IMMU-KEY	0

SEL165X



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## Trouble Diagnoses (Cont'd)

### DIAGNOSTIC PROCEDURE 5

Self-diagnostic results:

“ID DISCORD, IMM-ECM” displayed on CONSULT-II screen

**A**

SELF-DIAG RESULTS	
DTC RESULTS	TIME
ID DISCORD, IMM-ECM	0

SEL166X

**B**

IMMU INITIALIZATION
INITIALIZATION FAIL
THEN IGN KEY SW 'OFF' AND 'ON', AFTER CONFIRMING SELF-DIAG AND PASSWORD, PERFORM C/U INITIALIZATION AGAIN.

SEL566W

**A**



Confirm SELF-DIAGNOSTIC RESULTS “ID DISCORD, IMM-ECM\*” displayed on CONSULT-II screen.

\* “ID DISCORD, IMM-ECM”:  
Registered ID of IMMU is in discord with that of ECM.

**PERFORM INITIALIZATION.**  
Perform initialization with CONSULT-II. Re-register all NATS ignition key IDs. For the initialization procedure, refer to “CONSULT-II operation manual NATS”.

Initialization with CONSULT-II incomplete or failed

**B**

- ECM is malfunctioning.
- Replace ECM. **Ref. part No. B**
  - Perform initialization with CONSULT-II. For the initialization procedure, refer to “CONSULT-II operation manual NATS”.

Initialization completed

Start engine. (END)  
(System initialization was not completed. **Ref. part No. F**)

Trouble Diagnoses (Cont'd)

DIAGNOSTIC PROCEDURE 6

Self-diagnostic results:  
 "LOCK MODE" displayed on CONSULT-II screen

**A**

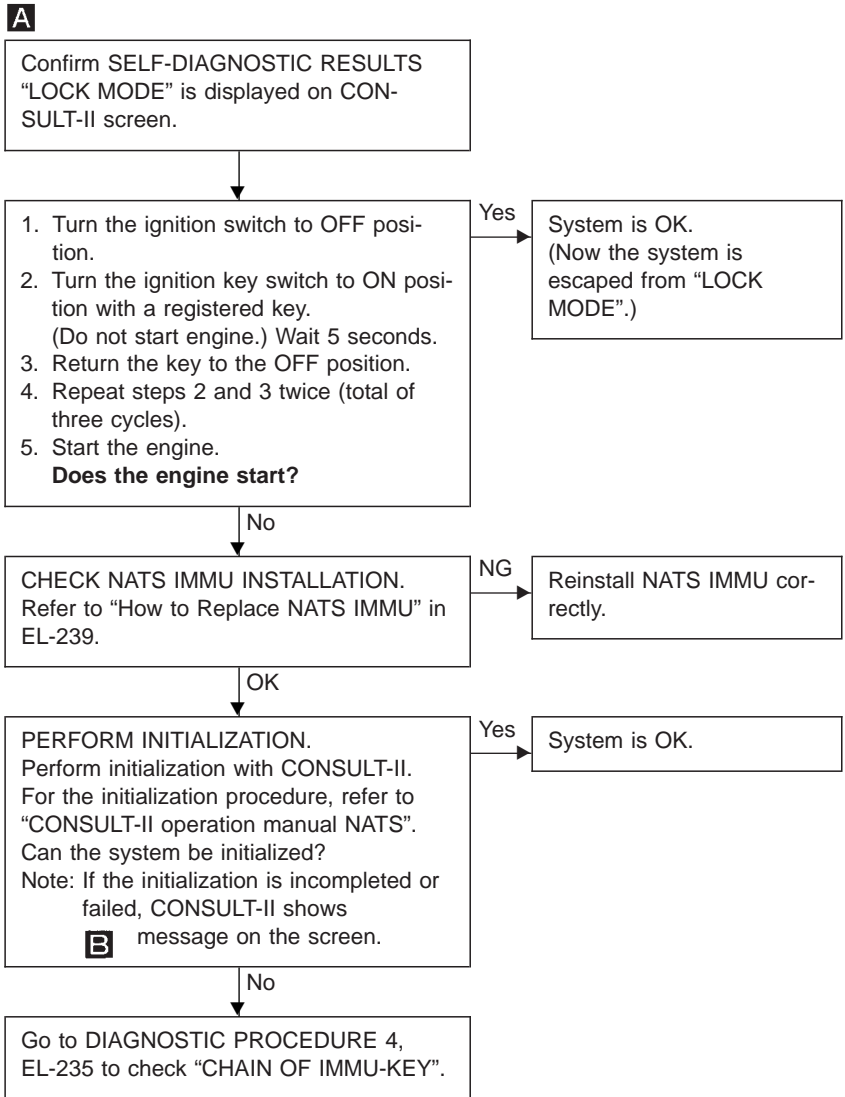
SELF-DIAG RESULTS	
DTC RESULTS	TIME
LOCK MODE	0

SEL167X

**B**

IMMU INITIALIZATION
INITIALIZATION FAIL
THEN IGN KEY SW 'OFF' AND 'ON', AFTER CONFIRMING SELF-DIAG AND PASSWORD, PERFORM C/U INITIALIZATION AGAIN.

SEL566W

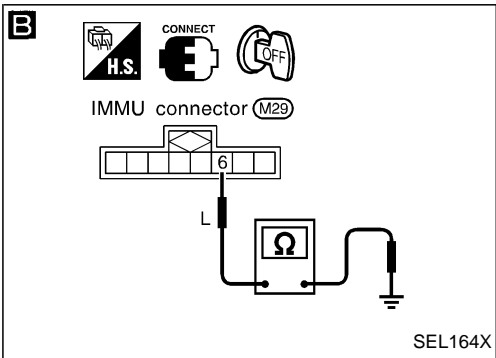
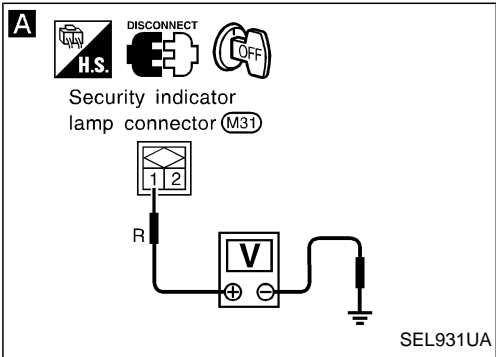
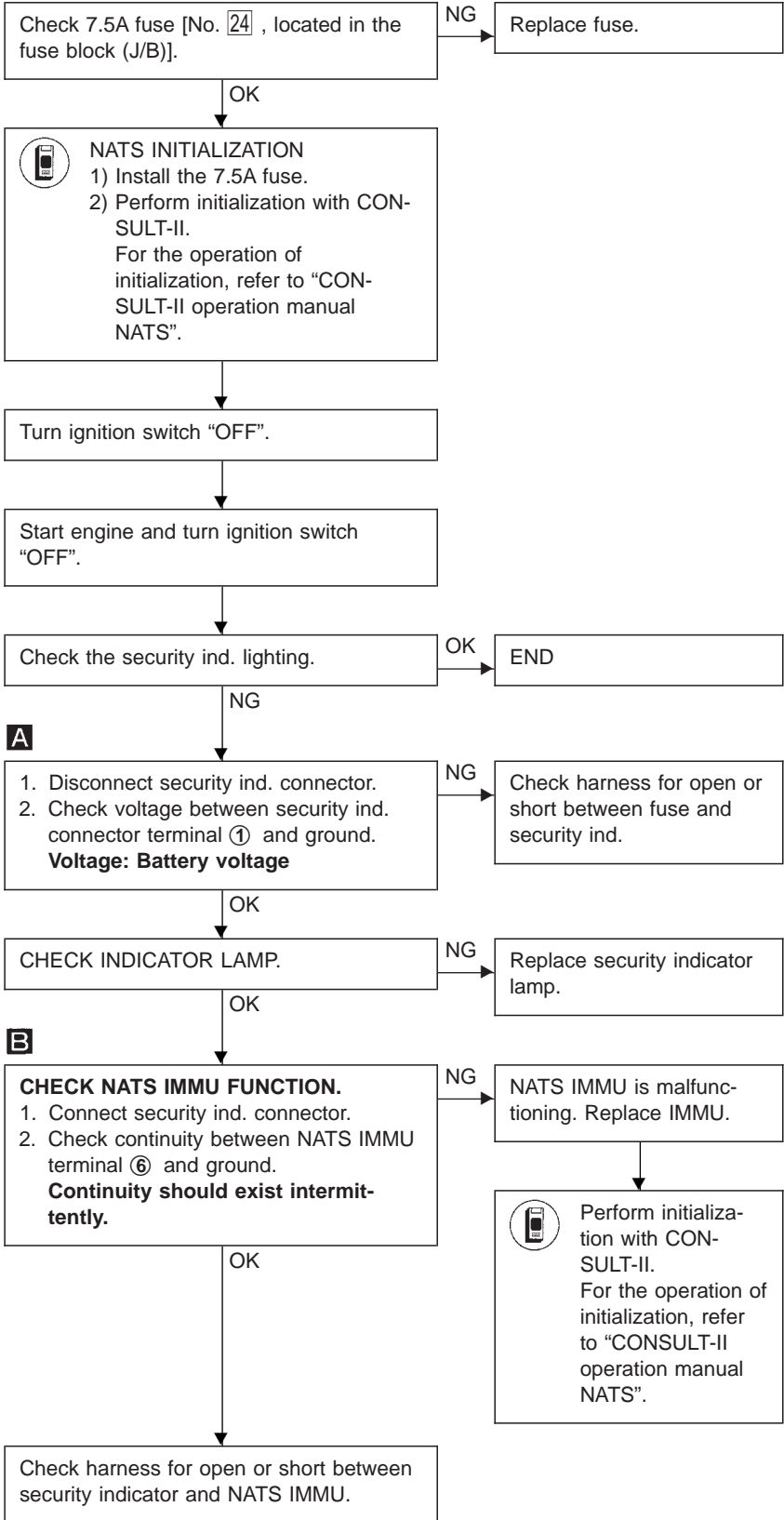


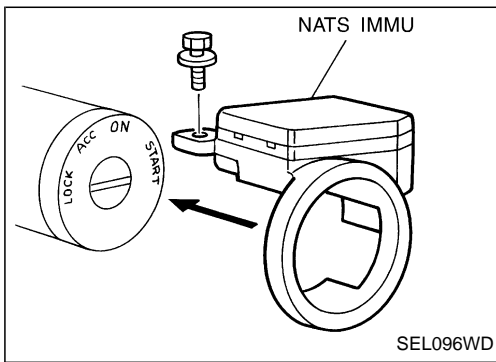
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## Trouble Diagnoses (Cont'd)

### DIAGNOSTIC PROCEDURE 7

#### “SECURITY IND. DOES NOT LIGHT UP”





## How to Replace NATS IMMU

### NOTE:

- If NATS IMMU is not installed correctly, NATS system will not operate properly and SELF-DIAG RESULTS on CONSULT-II screen will show "LOCK MODE".

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**EL**

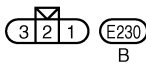
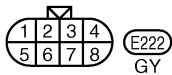
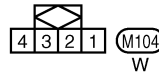
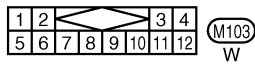
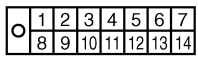
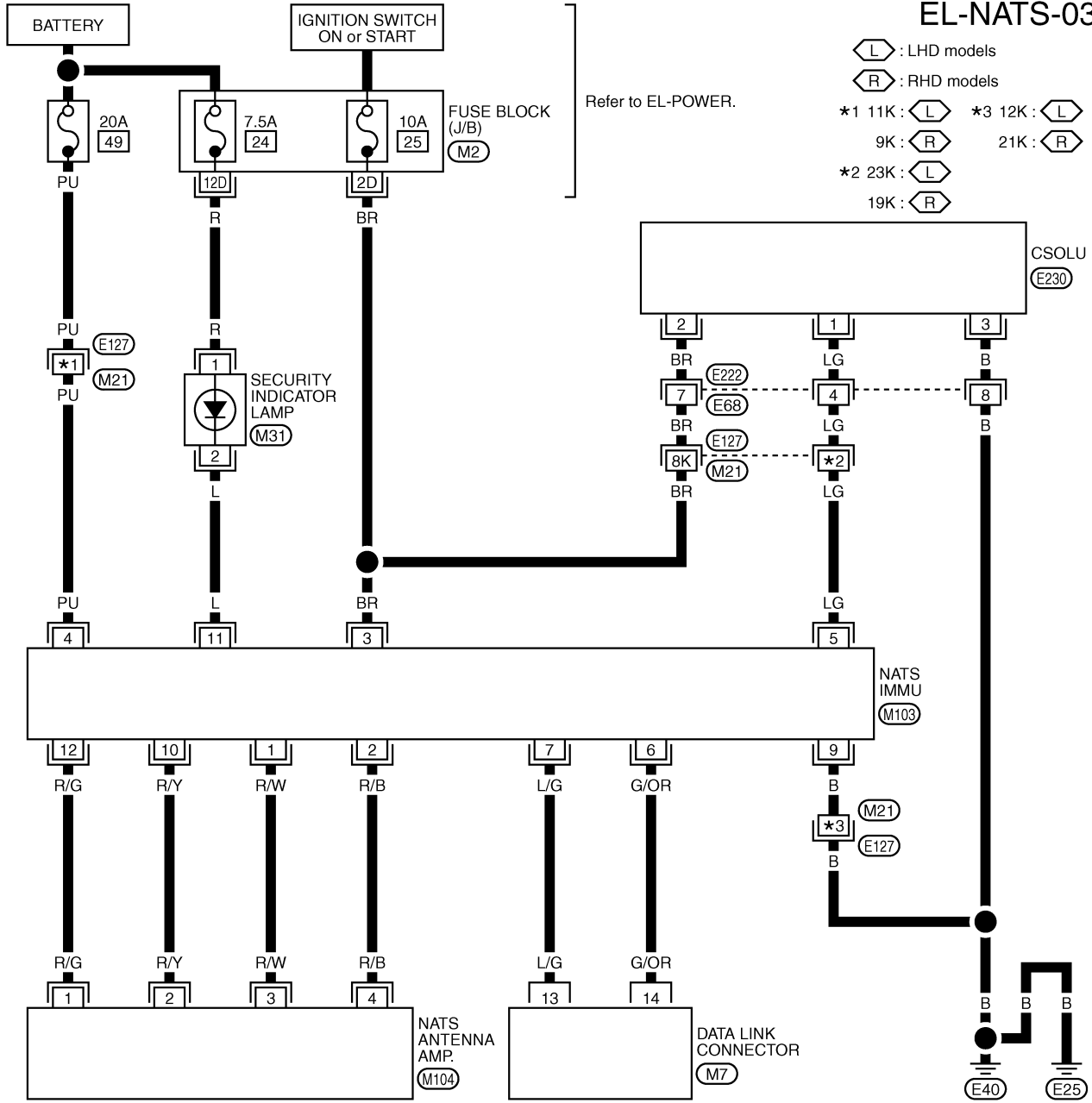
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# NATS (Nissan Anti-Theft System)/TD ENGINE MODELS

## Wiring Diagram — NATS —

EL-NATS-03



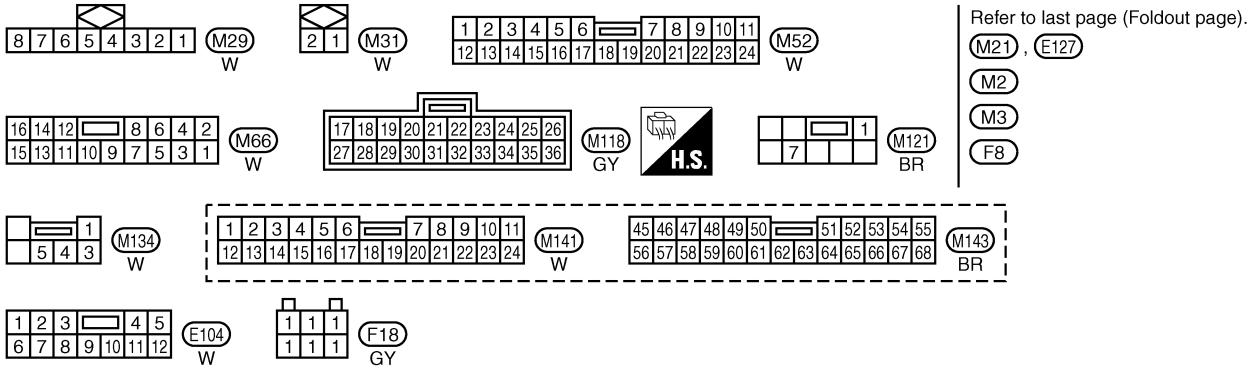
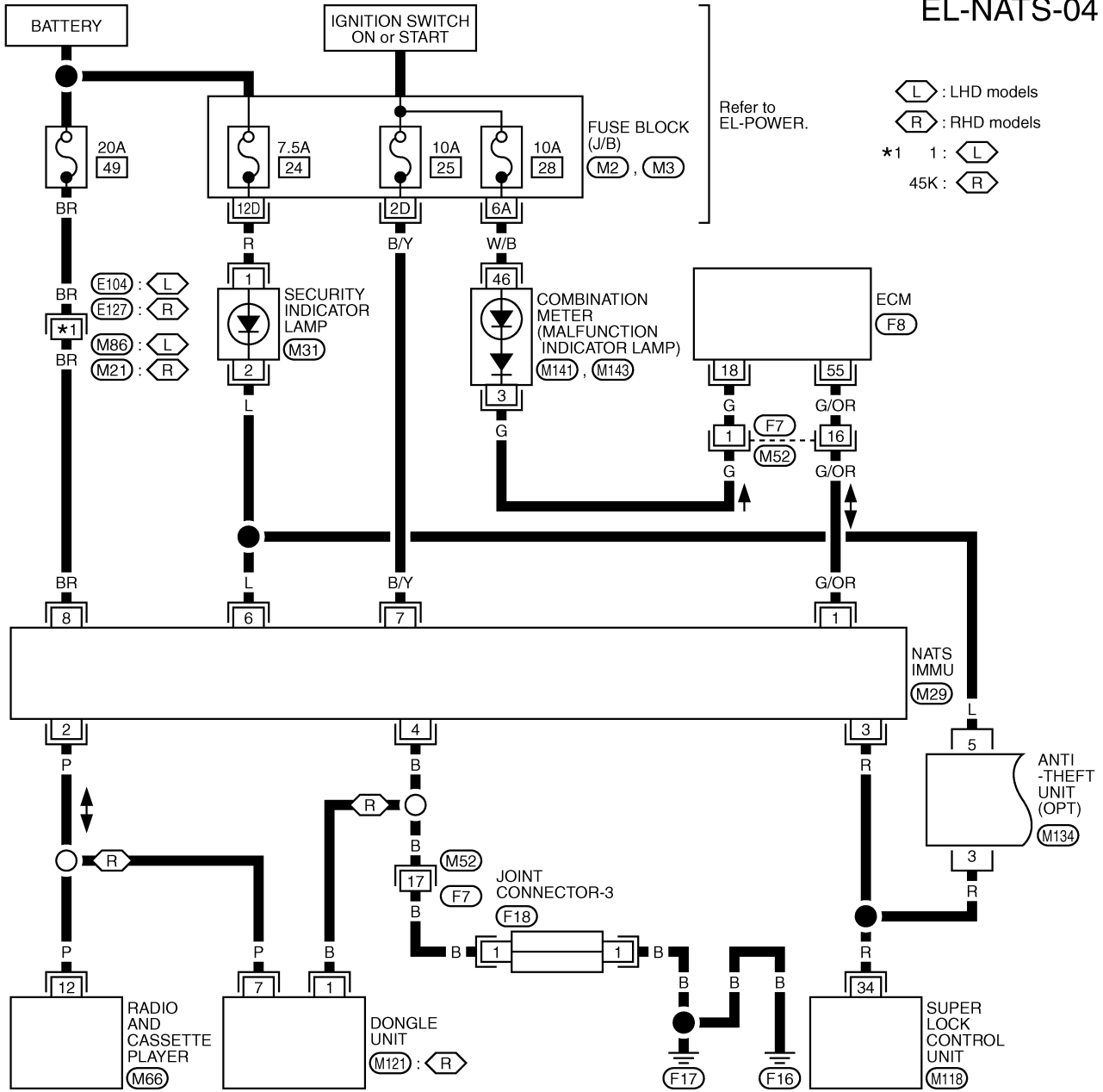
Refer to last page (Foldout page).

M21, E127  
M2



## Wiring Diagram — NATS —/For Europe

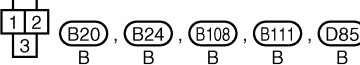
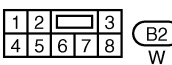
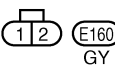
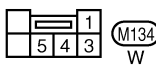
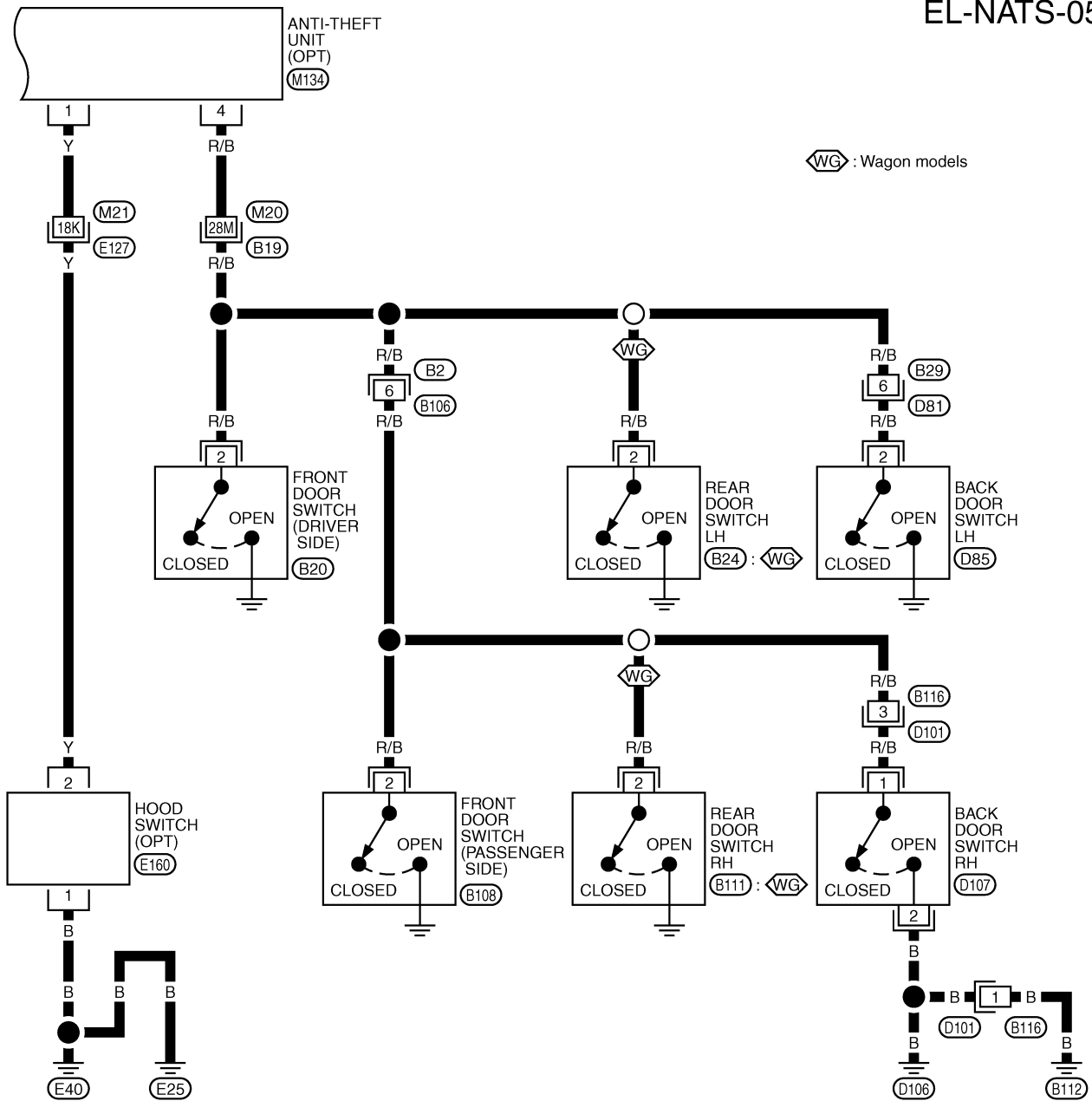
EL-NATS-04



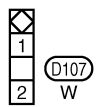
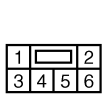
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Wiring Diagram — NATS —/LHD Models for Europe

EL-NATS-05



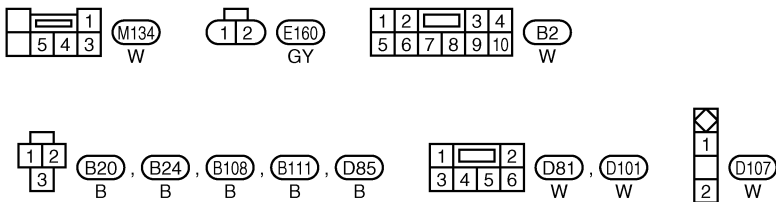
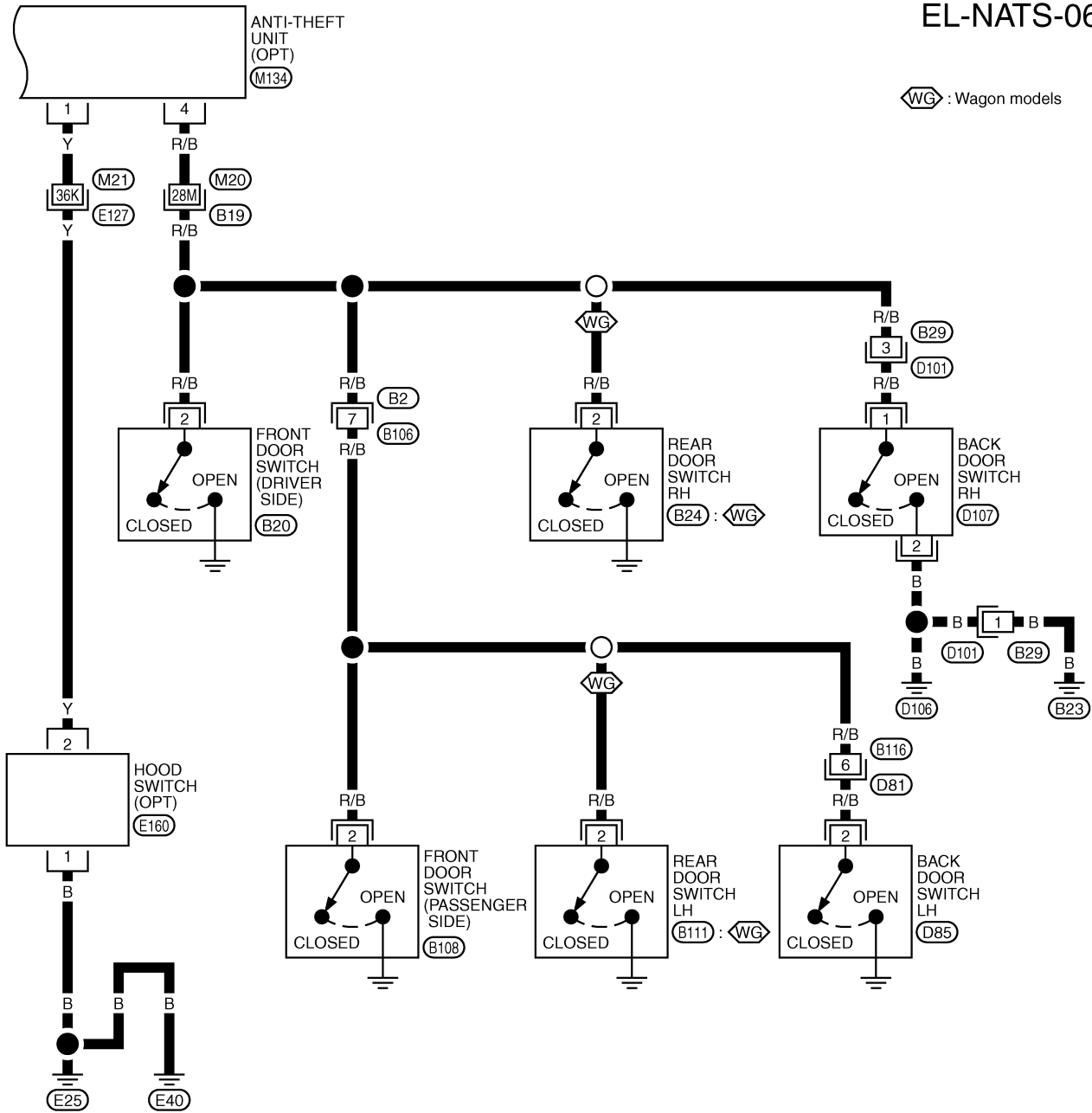
Refer to last page (Foldout page).  
 M20, B19  
 M21, E127



Wiring Diagram — NATS —/RHD Models for Europe

EL-NATS-06

◊WG : Wagon models



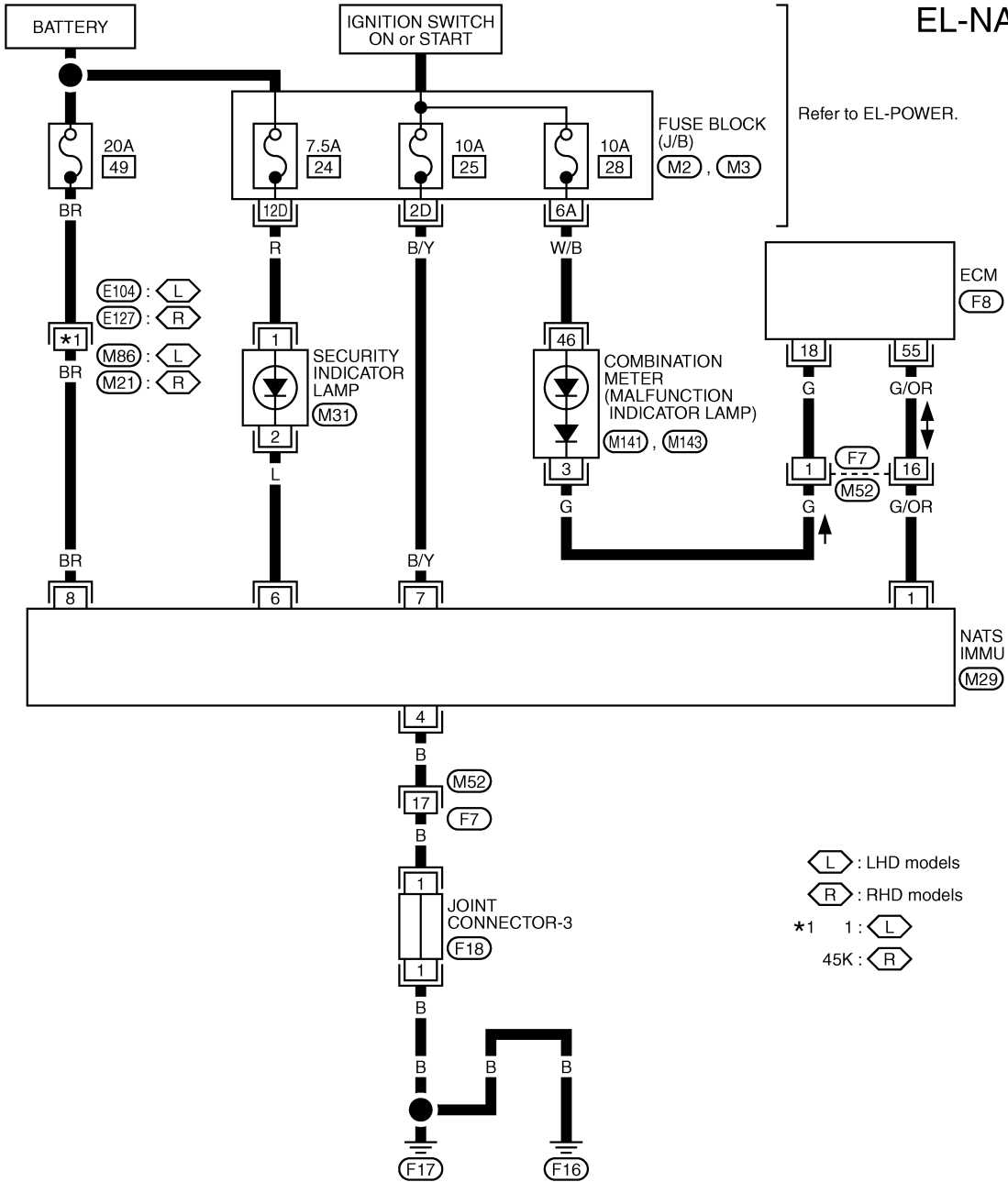
Refer to last page (Foldout page).

M20, B19  
M21, E127

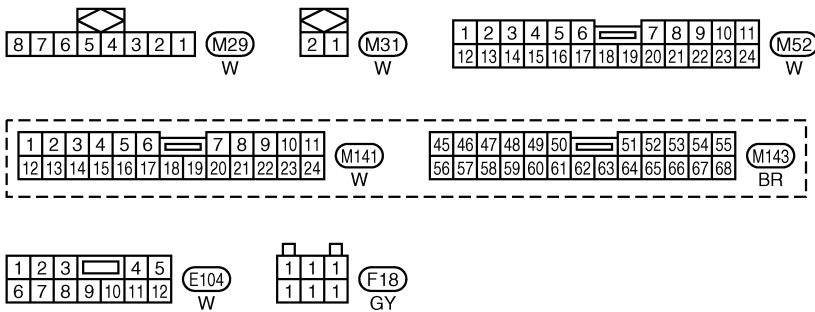
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Wiring Diagram — NATS —/Except for Europe

EL-NATS-07



- ⬡ : LHD models
- ⬢ : RHD models
- \*1 1: ⬡
- 45K: ⬢



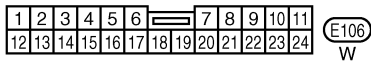
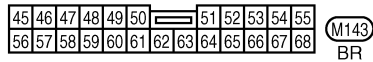
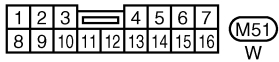
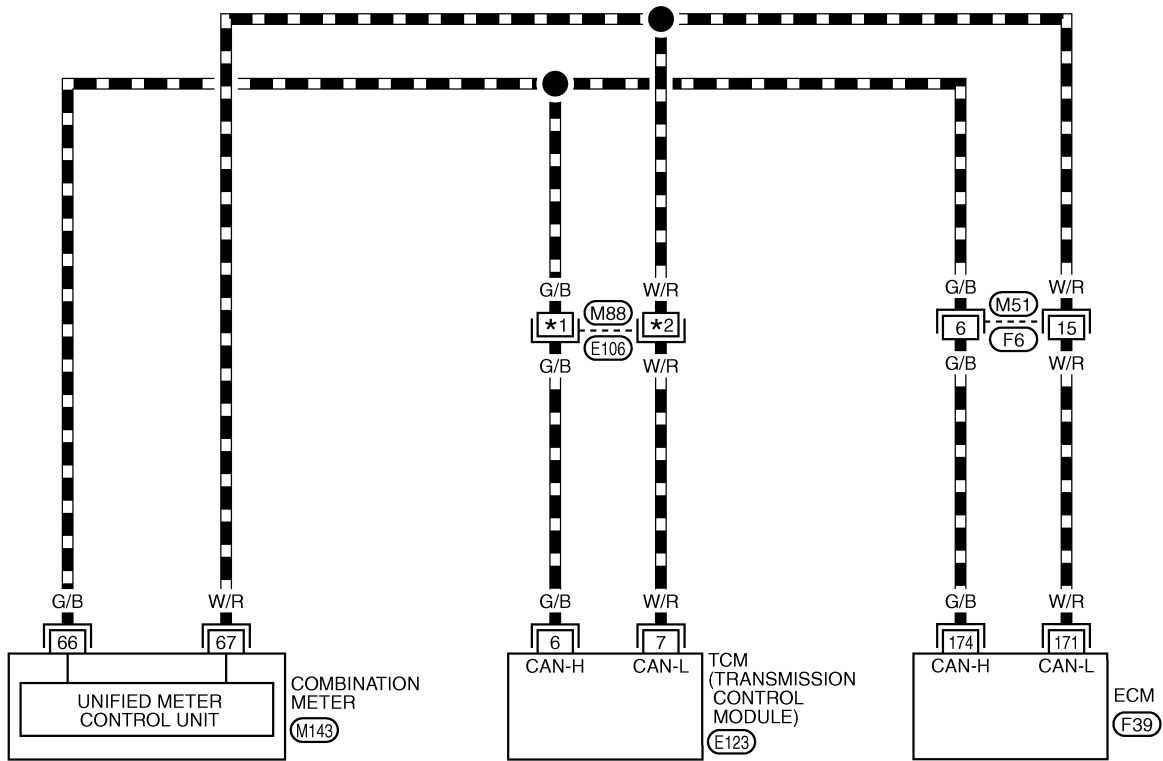
Refer to last page (Foldout page).

- (M21), (E127)
- (M2)
- (M3)
- (F8)

Wiring Diagram — CAN —

EL-CAN-01

- ▬ : DATA LINE
- ◁ : LHD models
- ▷ : RHD models
- \*1 7 : ▷
- 18 : ▷
- \*2 8 : ▷
- 19 : ▷



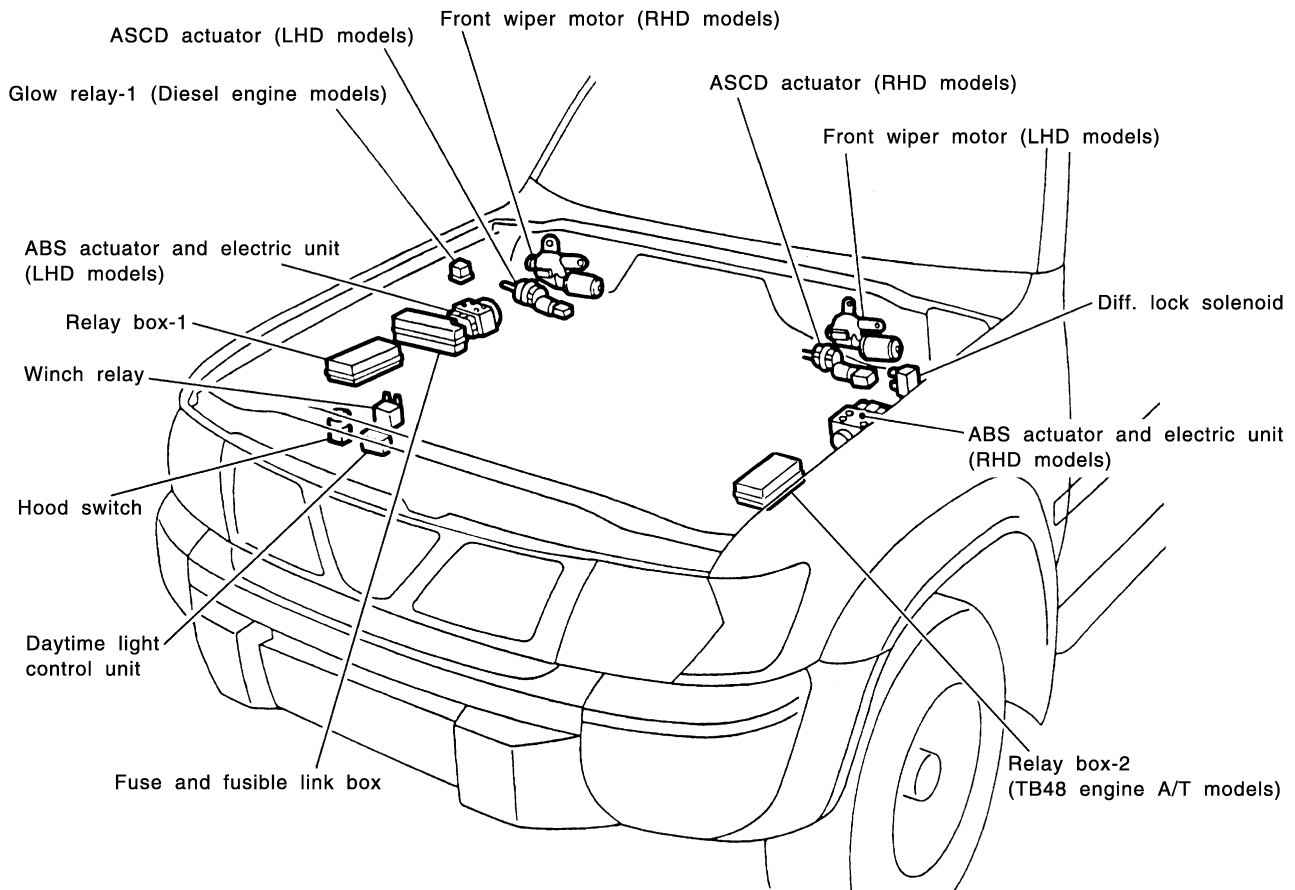
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# LOCATION OF ELECTRICAL UNITS/WAGON AND HARDTOP MODELS

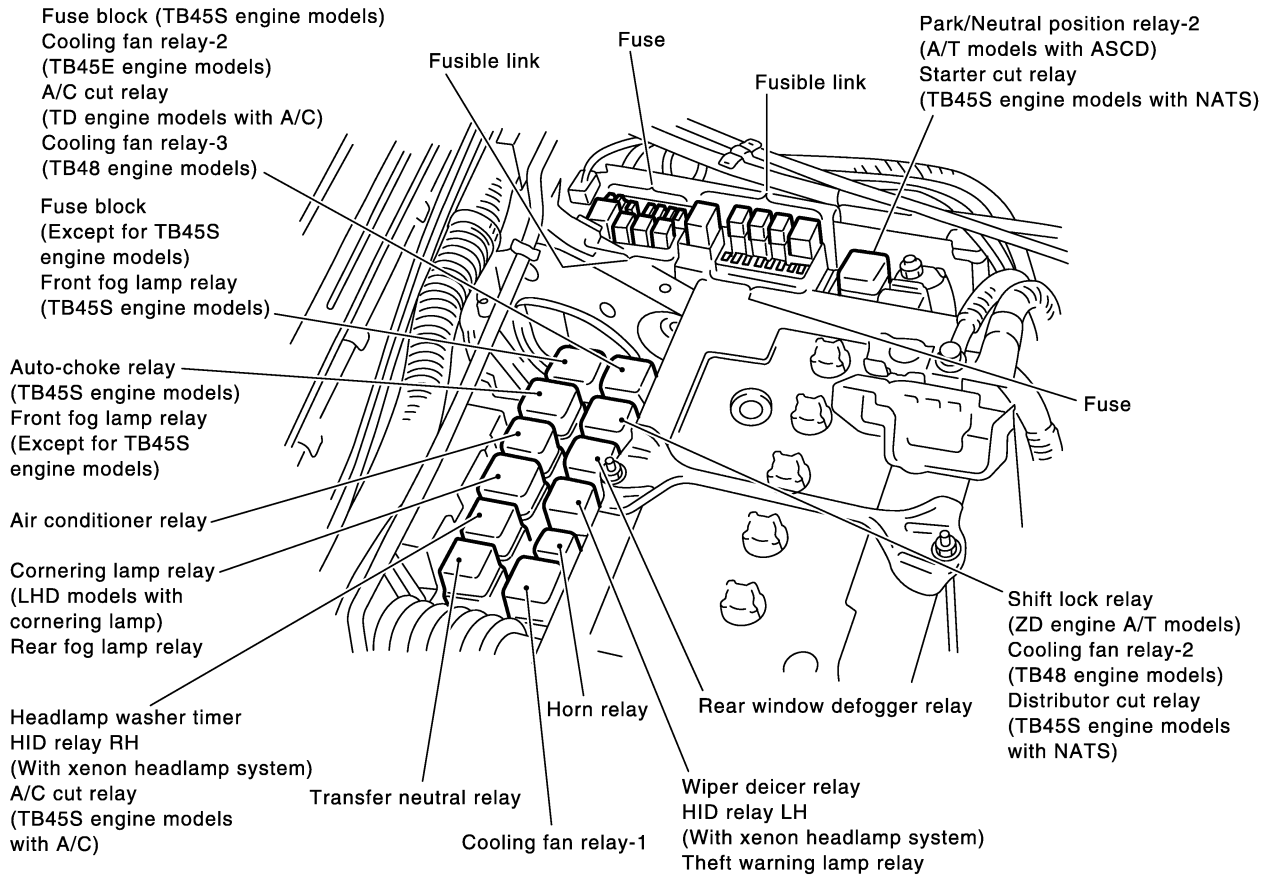
## Engine Compartment



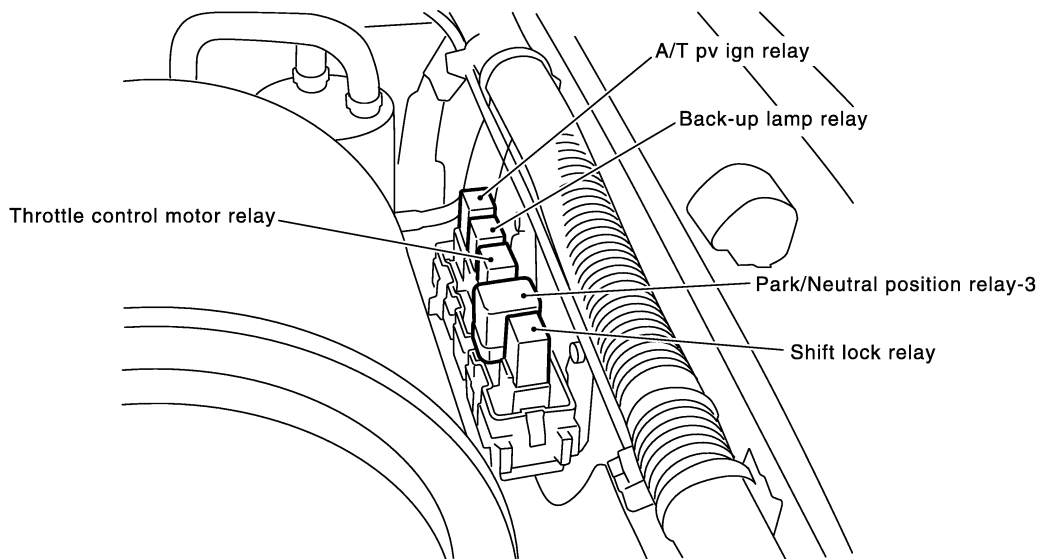
# LOCATION OF ELECTRICAL UNITS/WAGON AND HARDTOP MODELS

## Engine Compartment (Cont'd)

### Relay box-1 and Fuse and fusible link box



### Relay box-2 (TB48 engine A/T models)



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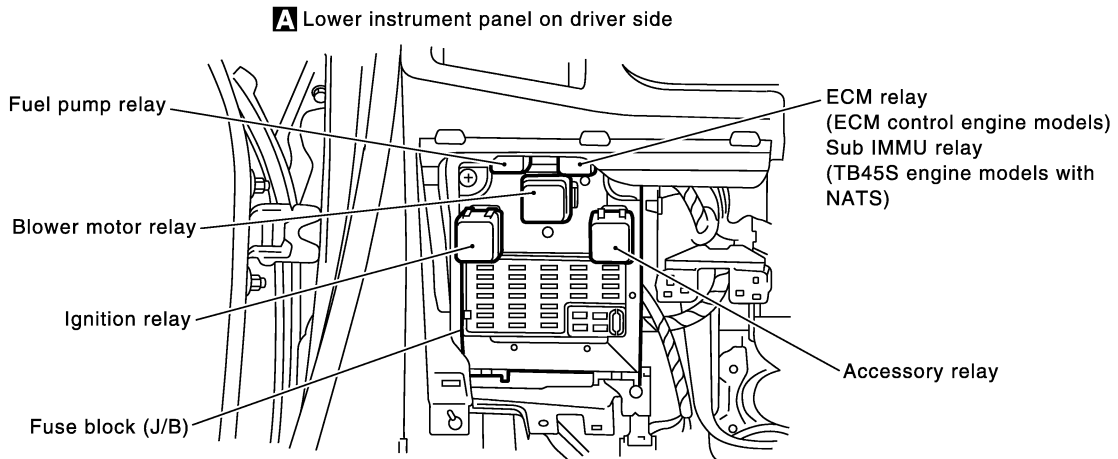
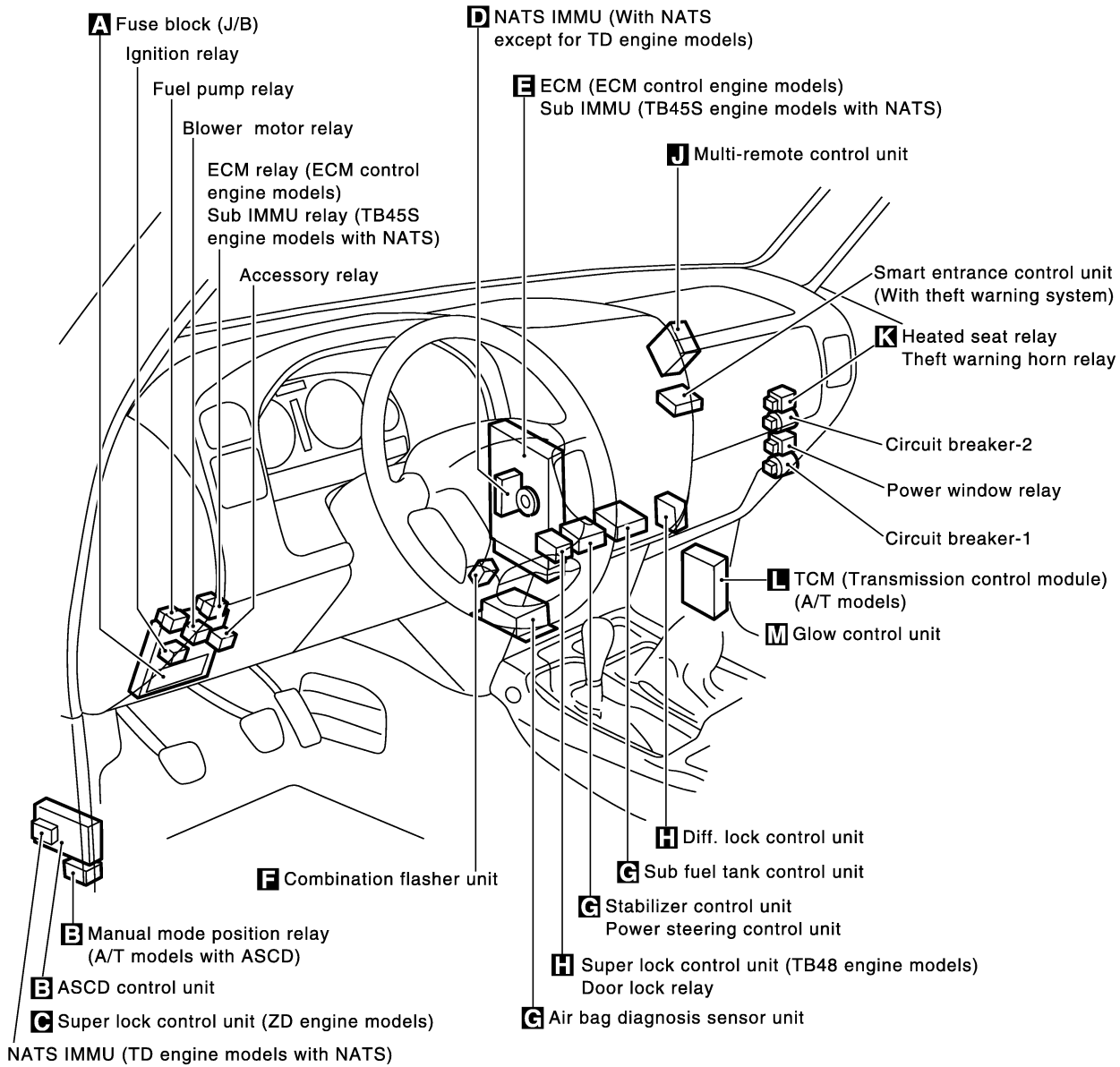
**EL**

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# LOCATION OF ELECTRICAL UNITS/WAGON AND HARDTOP MODELS

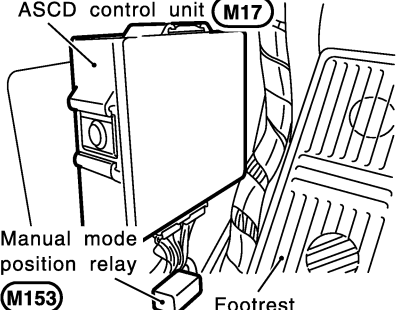
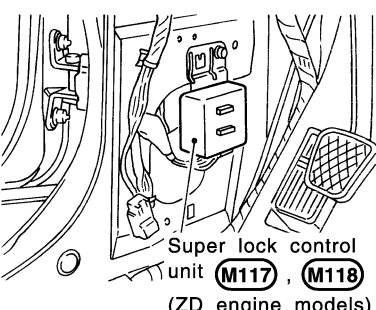
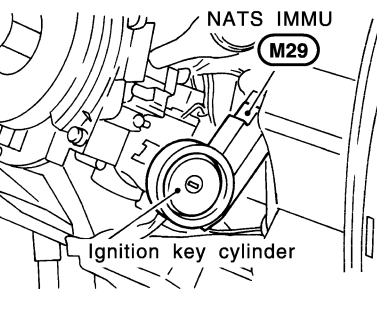
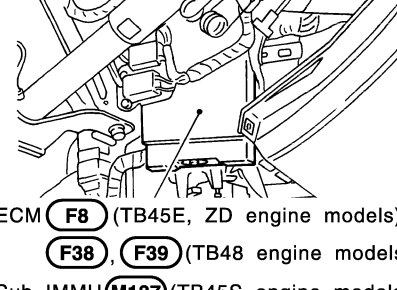
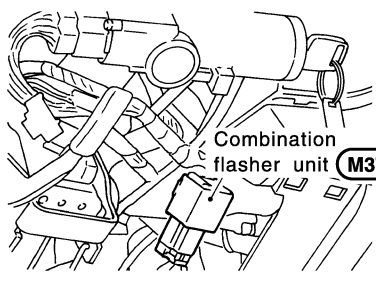
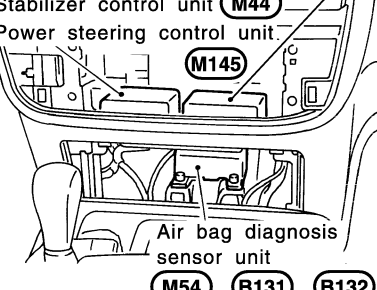
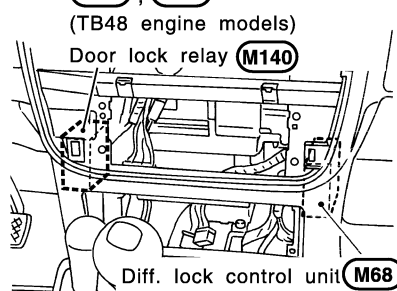
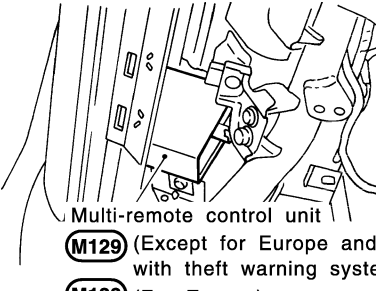
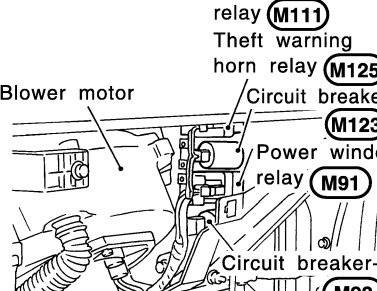
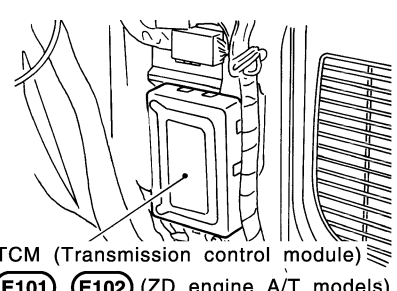
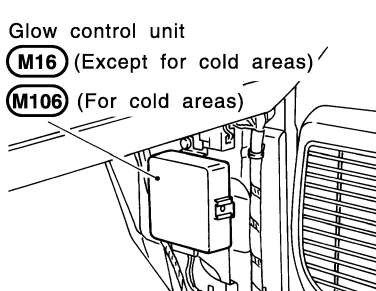
## Passenger Compartment — LHD Models





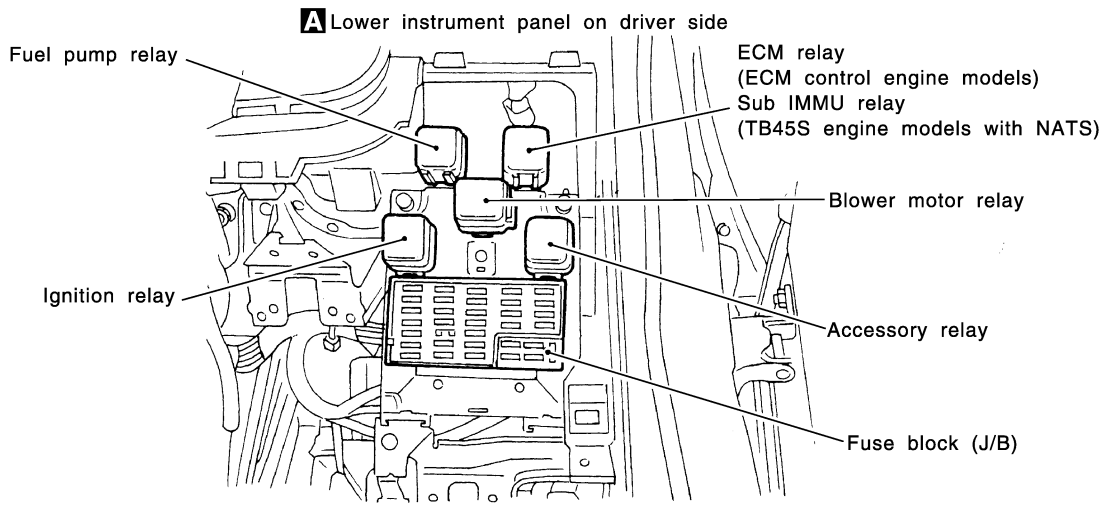
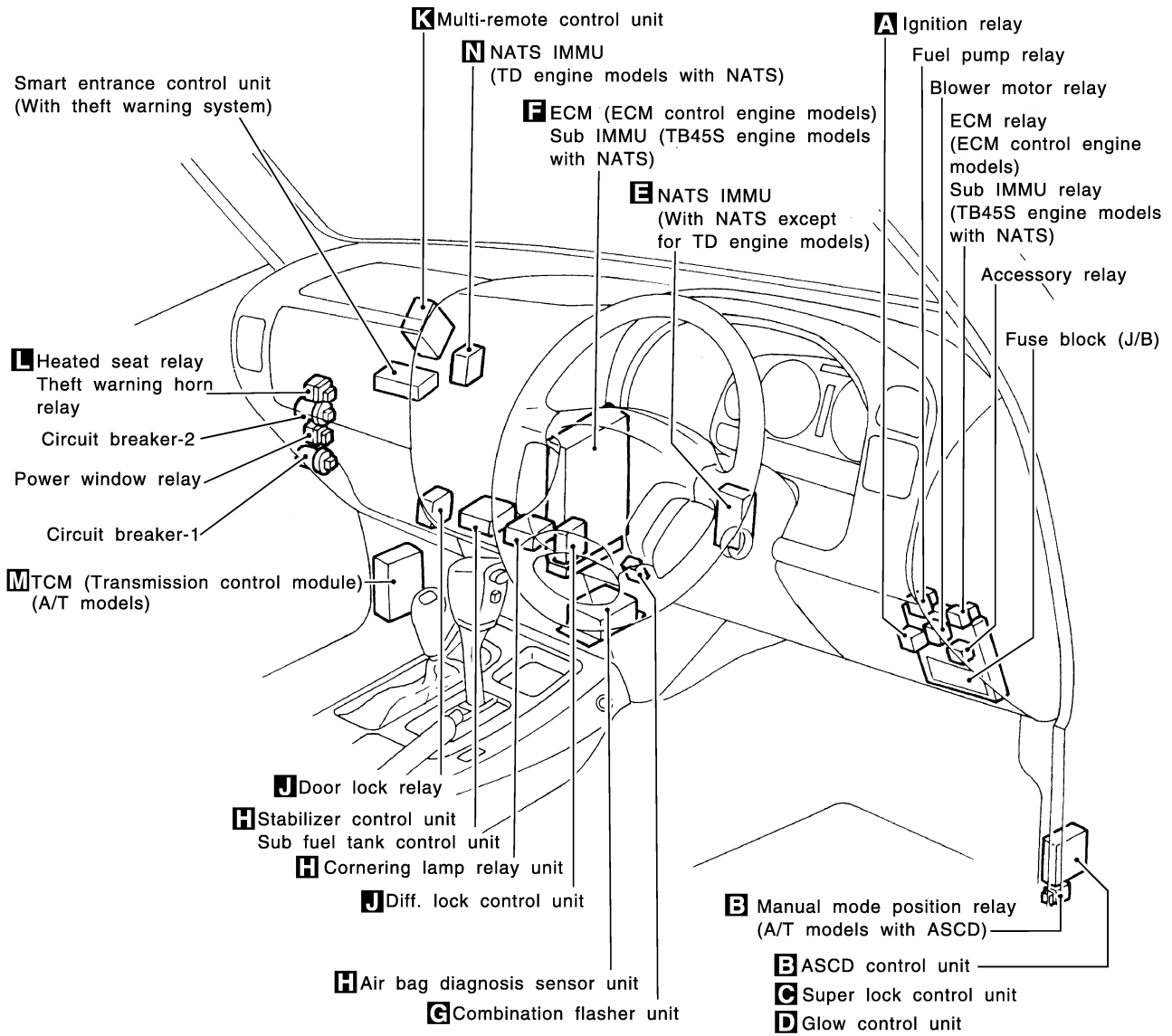
# LOCATION OF ELECTRICAL UNITS/WAGON AND HARDTOP MODELS

## Passenger Compartment — LHD Models (Cont'd)

<p><b>B</b> Driver side view with dash side lower finisher removed ASCD control unit <b>M17</b></p>  <p>Manual mode position relay <b>M153</b> Footrest</p>	<p><b>C</b> Driver side view with dash side lower finisher removed</p>  <p>Super lock control unit <b>M117</b>, <b>M118</b> (ZD engine models)</p>	<p><b>D</b> With NATS except for TD engine models</p>  <p>NATS IMMU <b>M29</b> Ignition key cylinder</p>
<p><b>E</b> Driver side view with lower instrument panel removed</p>  <p>ECM <b>F8</b> (TB45E, ZD engine models) <b>F38</b>, <b>F39</b> (TB48 engine models) Sub IMMU <b>M137</b> (TB45S engine models)</p>	<p><b>F</b> Driver side view lower instrument panel removed</p>  <p>Combination flasher unit <b>M37</b></p>	<p><b>G</b> Sub fuel tank control unit <b>M69</b> Stabilizer control unit <b>M44</b> Power steering control unit <b>M145</b></p>  <p>Air bag diagnosis sensor unit <b>M54</b>, <b>B131</b>, <b>B132</b></p>
<p><b>H</b> Super lock control unit <b>M117</b>, <b>M118</b> (TB48 engine models) Door lock relay <b>M140</b></p>  <p>Diff. lock control unit <b>M68</b></p>	<p><b>J</b> View with glove box assembly removed</p>  <p>Multi-remote control unit <b>M129</b> (Except for Europe and with theft warning system) <b>M133</b> (For Europe)</p>	<p><b>K</b> View with glove box assembly removed</p>  <p>Heated seat relay <b>M111</b> Theft warning horn relay <b>M125</b> Blower motor Circuit breaker-2 <b>M123</b> Power window relay <b>M91</b> Circuit breaker-1 <b>M92</b></p>
<p><b>L</b> Passenger side view with dash side lower finisher removed</p>  <p>TCM (Transmission control module) <b>E101</b>, <b>E102</b> (ZD engine A/T models) <b>E123</b>, <b>E124</b> (TB48 engine A/T models)</p>	<p><b>M</b> Passenger side view with dash side lower finisher removed</p>  <p>Glow control unit <b>M16</b> (Except for cold areas) <b>M106</b> (For cold areas)</p>	

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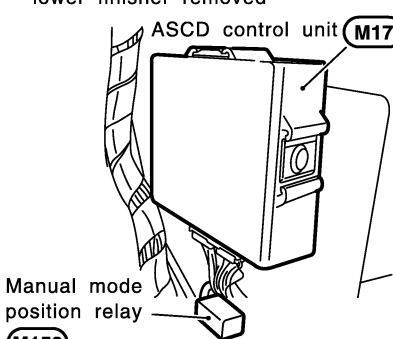
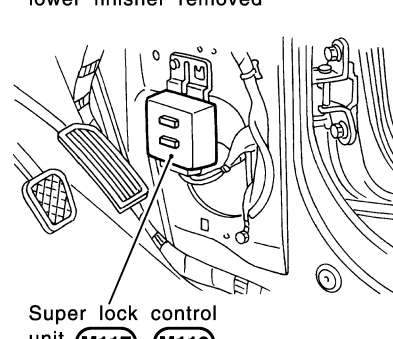
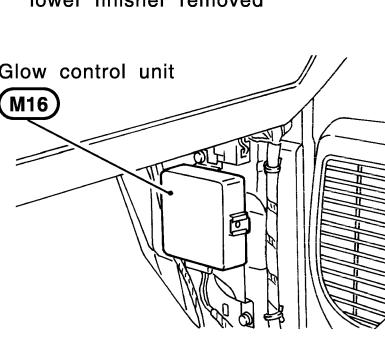
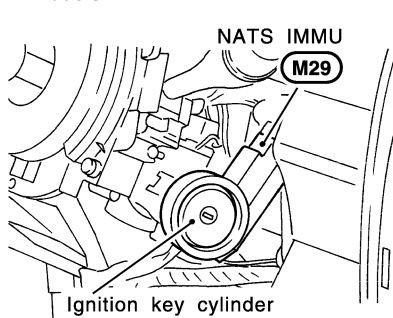
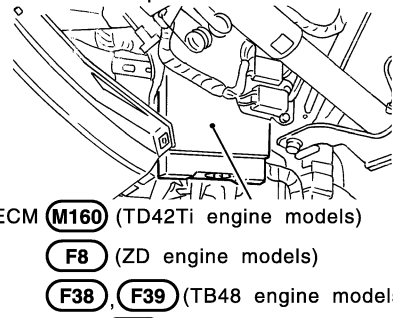
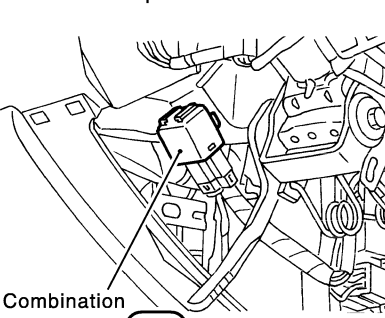
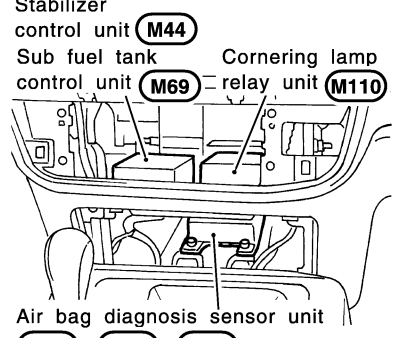
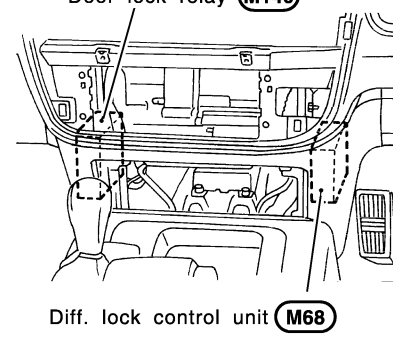
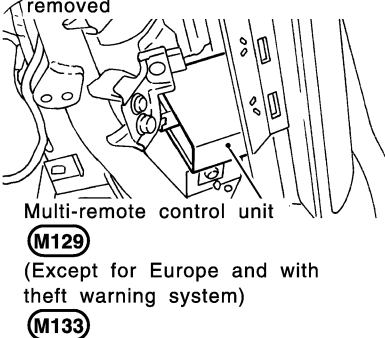
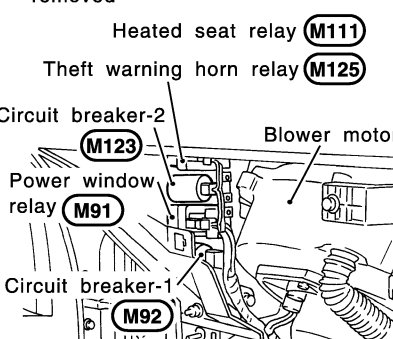
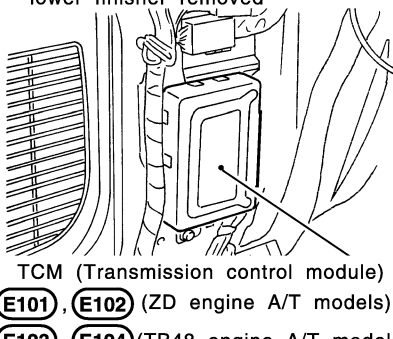
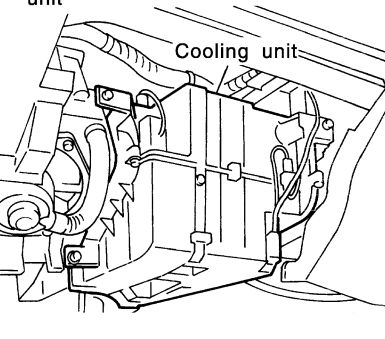
Passenger Compartment — RHD Models



# LOCATION OF ELECTRICAL UNITS/WAGON AND HARDTOP MODELS

## Passenger Compartment — RHD Models (Cont'd)

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<p><b>B</b> Driver side view with dash side lower finisher removed</p>  <p>ASCD control unit (M17)</p> <p>Manual mode position relay (M153)</p>	<p><b>C</b> Driver side view with dash side lower finisher removed</p>  <p>Super lock control unit (M117, M118)</p>	<p><b>D</b> Driver side view with dash side lower finisher removed</p>  <p>Glow control unit (M16)</p>
<p><b>E</b> With NATS except for TD engine models</p>  <p>NATS IMMU (M29)</p> <p>Ignition key cylinder</p>	<p><b>F</b> Driver side view with lower instrument panel removed</p>  <p>ECM (M160) (TD42Ti engine models)</p> <p>F8 (ZD engine models)</p> <p>F38, F39 (TB48 engine models)</p> <p>Sub IMMU (M137) (TB45S engine models)</p>	<p><b>G</b> Driver side view with lower instrument panel removed</p>  <p>Combination flasher unit (M37)</p>
<p><b>H</b></p>  <p>Stabilizer control unit (M44)</p> <p>Sub fuel tank</p> <p>Cornering lamp control unit (M69) — relay unit (M110)</p> <p>Air bag diagnosis sensor unit (M54, B44, B45)</p>	<p><b>J</b></p>  <p>Door lock relay (M140)</p> <p>Diff. lock control unit (M68)</p>	<p><b>K</b> View with glove box assembly removed</p>  <p>Multi-remote control unit (M129) (Except for Europe and with theft warning system)</p> <p>(M133) (For Europe)</p>
<p><b>L</b> View with glove box assembly removed</p>  <p>Heated seat relay (M111)</p> <p>Theft warning horn relay (M125)</p> <p>Circuit breaker-2 (M123)</p> <p>Blower motor</p> <p>Power window relay (M91)</p> <p>Circuit breaker-1 (M92)</p>	<p><b>M</b> Passenger side view with dash side lower finisher removed</p>  <p>TCM (Transmission control module)</p> <p>E101, E102 (ZD engine A/T models)</p> <p>E123, E124 (TB48 engine A/T models)</p>	<p><b>N</b> NATS IMMU locates behind cooling unit</p>  <p>Cooling unit</p>

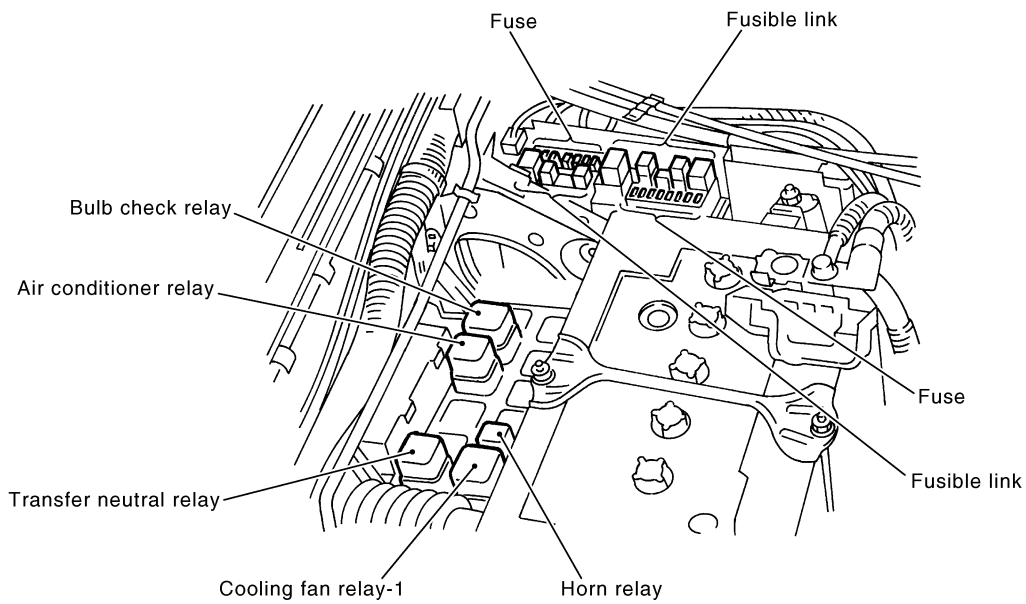
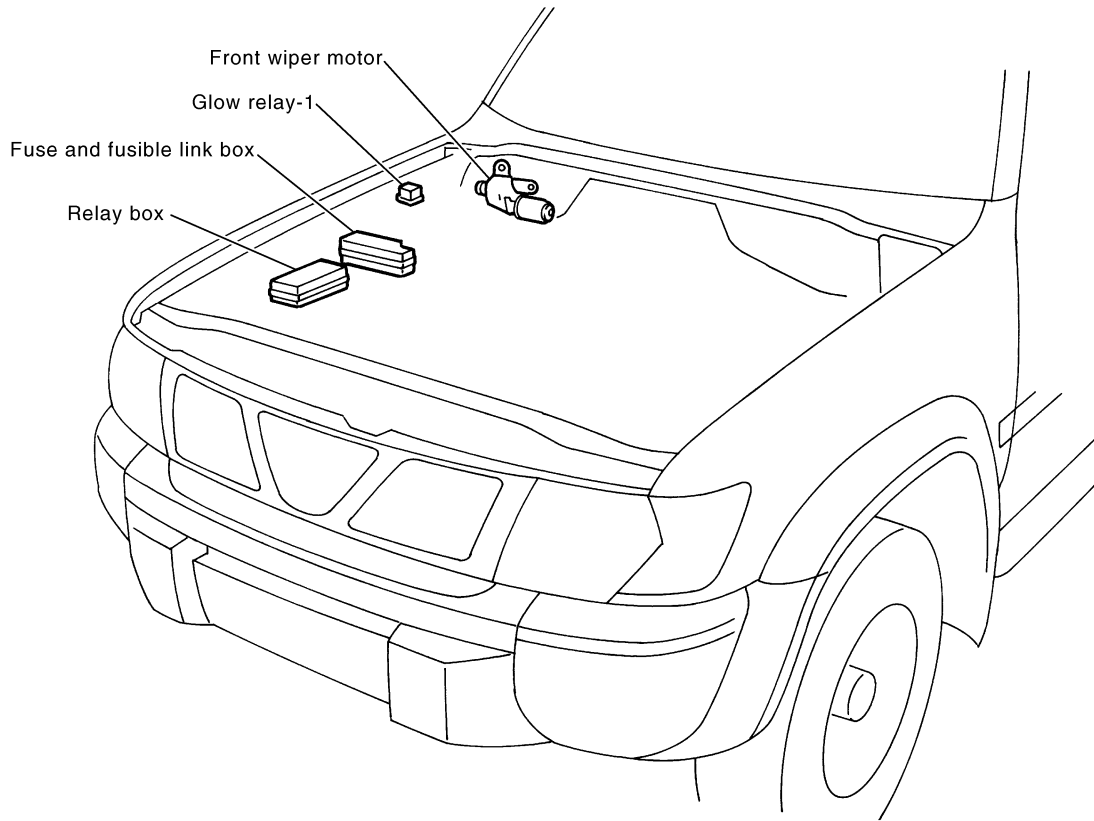
# LOCATION OF ELECTRICAL UNITS/WAGON AND HARDTOP MODELS

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NOTE

# LOCATION OF ELECTRICAL UNITS/PICKUP MODELS

## Engine Compartment



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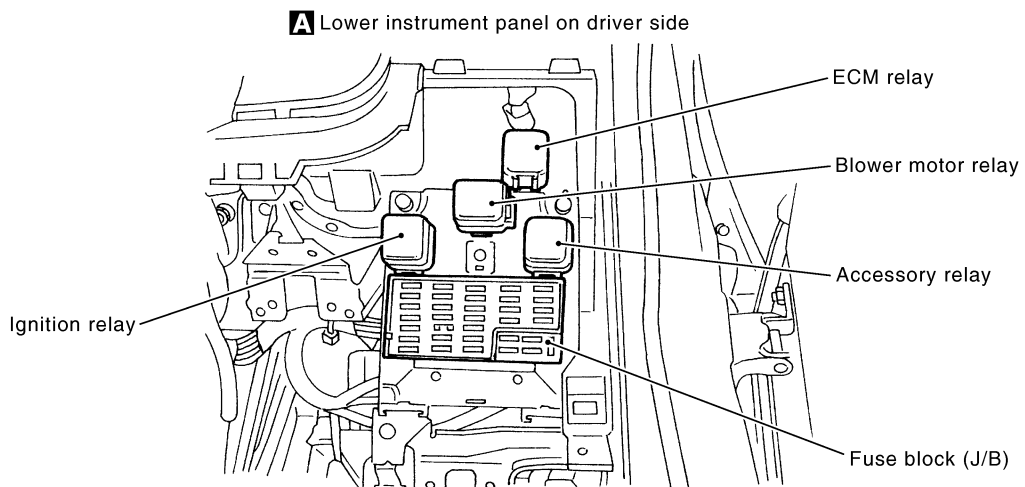
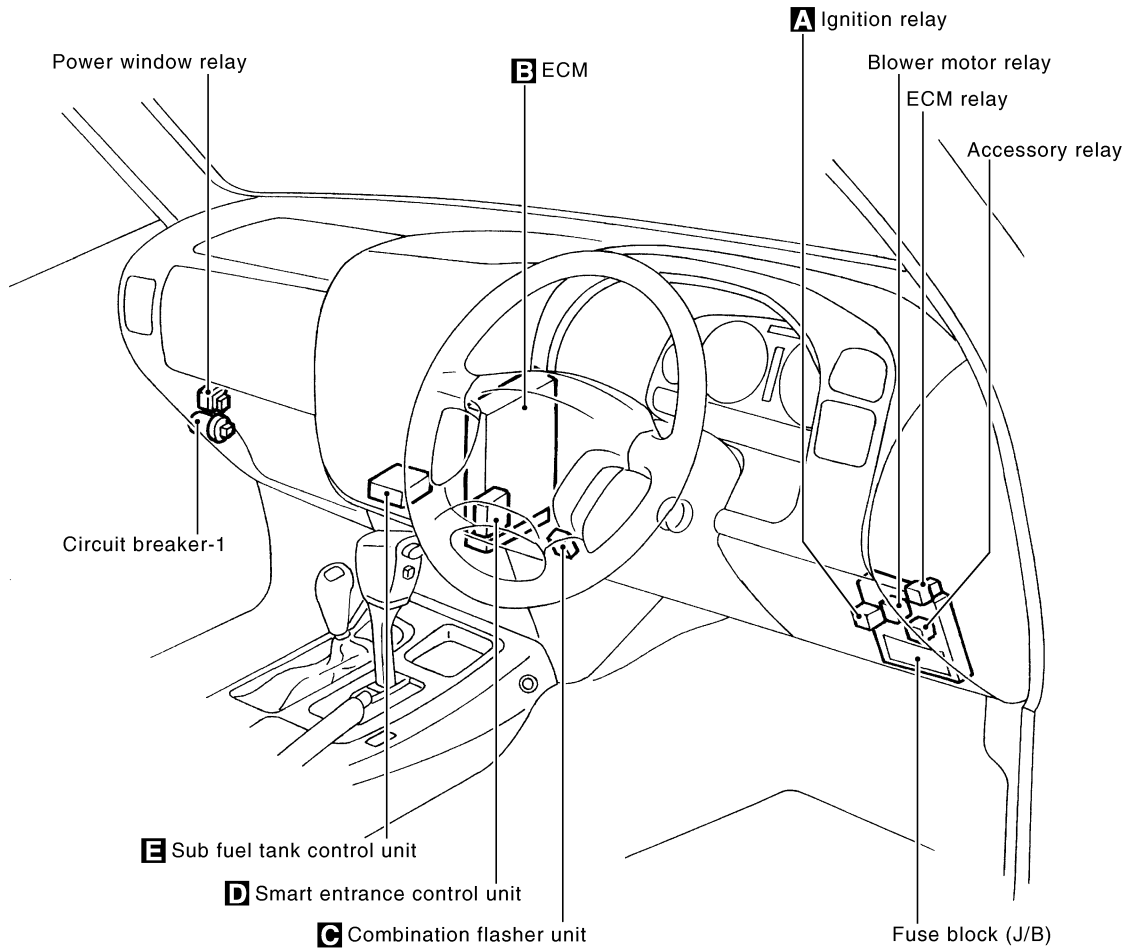
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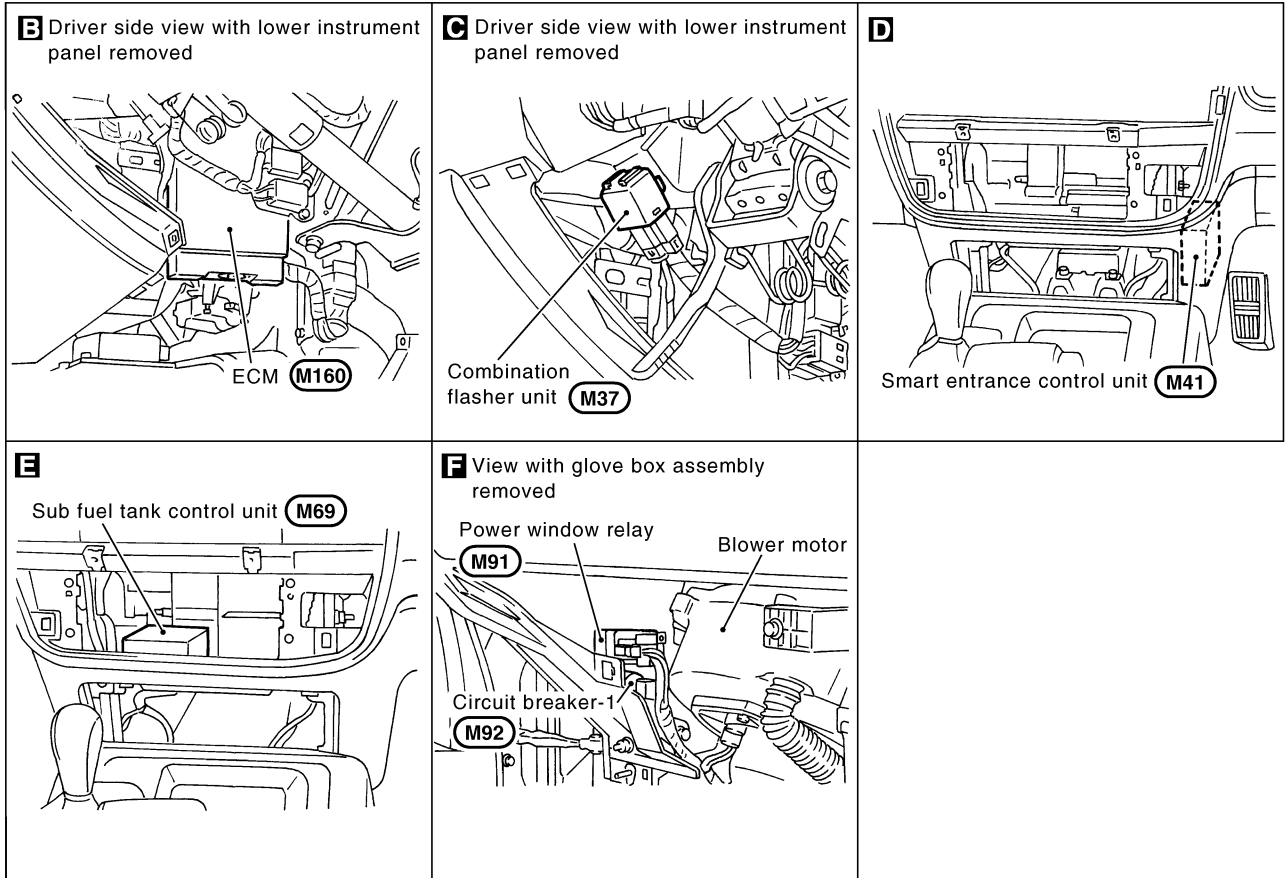
# LOCATION OF ELECTRICAL UNITS/PICKUP MODELS

## Passenger Compartment



# LOCATION OF ELECTRICAL UNITS/PICKUP MODELS

## Passenger Compartment (Cont'd)



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# LOCATION OF ELECTRICAL UNITS/PICKUP MODELS

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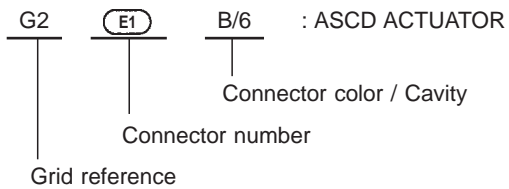
NOTE



# HARNESS LAYOUT

## How to Read Harness Layout

Example:



The following Harness Layouts use a map style grid to help locate connectors on the drawings:

- Main Harness
- Engine Room Harness (Engine Compartment)

### To use the grid reference

- 1) Find the desired connector number on the connector list.
- 2) Find the grid reference.
- 3) On the drawing, find the crossing of the grid reference letter column and number row.
- 4) Find the connector number in the crossing zone.
- 5) Follow the line (if used) to the connector.

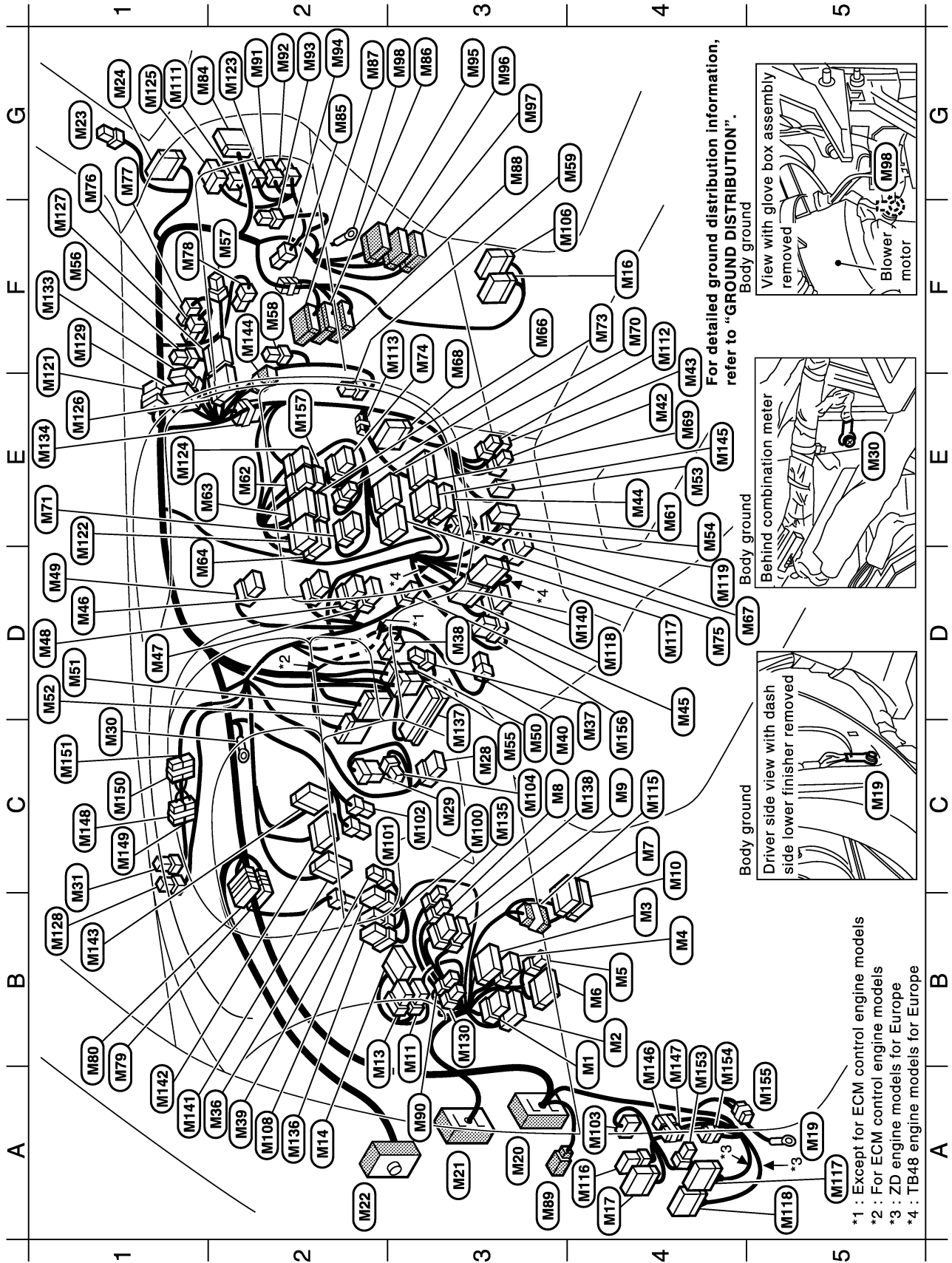
### CONNECTOR SYMBOL

Main symbols of connector (in Harness Layout) are indicated in the below.

Connector type	Water proof type		Standard type	
	Male	Female	Male	Female
<ul style="list-style-type: none"> <li>● Cavity: Less than 4</li> <li>● Relay connector</li> </ul>				
<ul style="list-style-type: none"> <li>● Cavity: From 5 to 8</li> </ul>				
<ul style="list-style-type: none"> <li>● Cavity: More than 9</li> </ul>	—	—		
<ul style="list-style-type: none"> <li>● Ground terminal etc.</li> </ul>	—			

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## Main Harness/LHD Models



# HARNES LAYOUT/WAGON AND HARDTOP MODELS

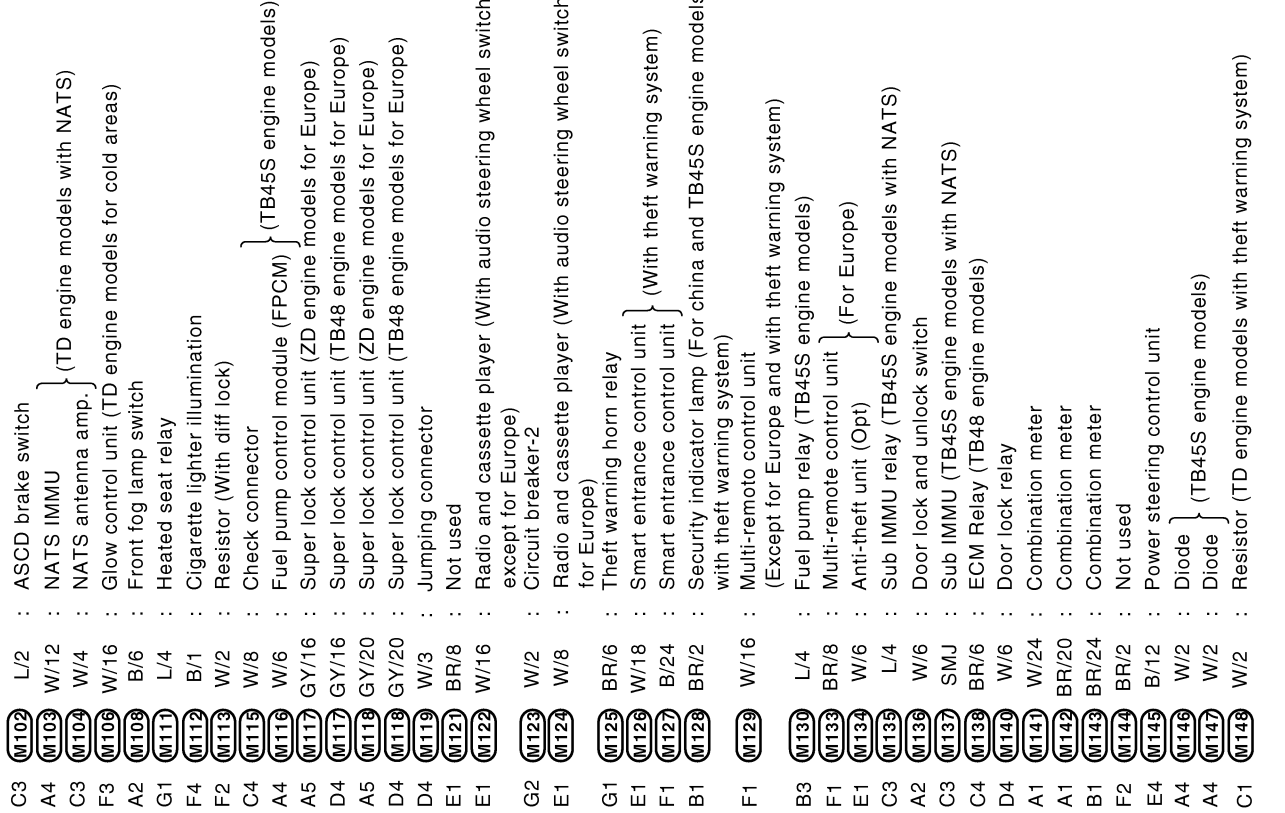
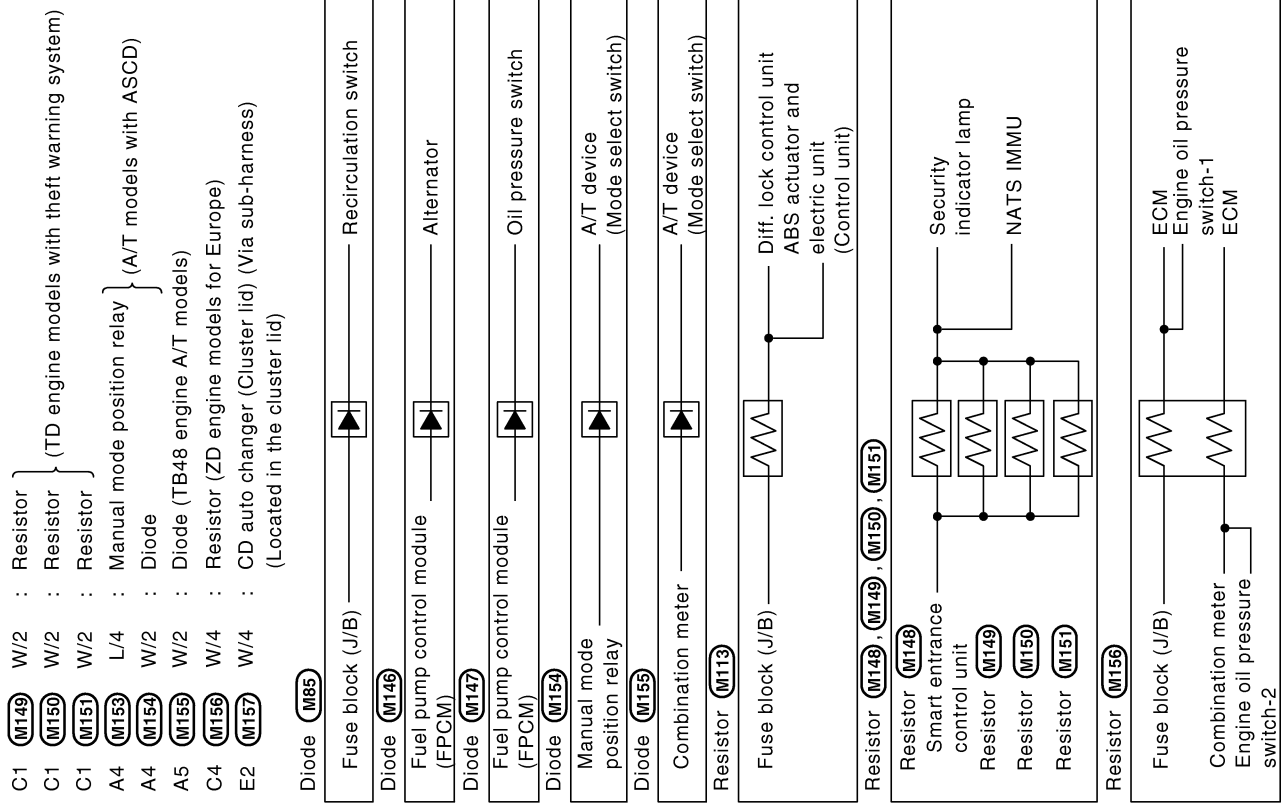
## Main Harness/LHD Models (Cont'd)

B4	M1	W/8	Fuse block (J/B)	E4	M54	Y/20	Air bag diagnosis sensor unit
B4	M2	BR/16	Fuse block (J/B)	C3	M55	W/8	To <b>F35</b> (TB48 engine models for Europe)
B4	M3	GY/16	Fuse block (J/B)	F1	M56	B/2	Sunload sensor (With front auto A/C)
B4	M4	GY/8	Fuse block (J/B)	F2	M57	Y/2	Air bag module (Passenger side) (With dual air bag system)
B4	M5	B/2	Fuse block (J/B)	F2	M58	W/2	Intake sensor (With front auto A/C)
B4	M6	W/12	Fuse block (J/B)	G3	M59	W/3	Thermo control amp. (Except for the Middle East TB48 engine models with front auto A/C)
C4	M7	GY/14	Data link connector (With CONSULT)	E4	M61	W/8	Rear cooler front switch
C3	M8	L/4	ECM relay (TB45E engine models)	E2	M62	W/6	Radio and cassette player
C4	M9	BR/6	ECM relay (ZD engine models)	E1	M63	W/10	Radio or radio and cassette player } (Except for Europe)
C4	M10	W/16	Date link connector (With CONSULT-II)	D1	M64	W/12	Radio and cassette player } (With CD auto changer except for Europe)
B3	M11	W/8	Headlamp aiming switch	F3	M66	W/16	Radio and cassette player (For Europe)
B2	M13	W/6	Heat up switch	F2	M67	BR/8	Diff. lock switch
A2	M14	W/10	Door mirror remote control switch	F2	M68	B/12	Diff. lock control unit
F4	M16	W/12	Glow control unit (TD engine models except for cold areas)	E4	M69	BR/16	Sub fuel tank control unit
A4	M17	BR/24	ASCD control unit	F4	M70	GY/16	A/C auto amp. (With front auto A/C)
A5	M19	-	Body ground	E1	M71	W/6	Fan switch
A3	M20	SMJ	To <b>E19</b>	F4	M73	W/3	Fan switch illumination
A3	M21	SMJ	To <b>E127</b>	F3	M74	W/8	Recirculation switch, A/C switch } (With front manual A/C)
A2	M22	SMJ	To <b>D1</b>	D4	M75	GY/20	A/C auto amp. } (With front auto A/C)
G1	M23	W/3	Tweeter RH	G1	M76	W/4	Intake door motor } (With front manual A/C)
G1	M24	W/10	To <b>R1</b>	G1	M77	W/4	Intake door motor (With front manual A/C)
C3	M28	Y/7	Spiral cable	F1	M78	W/4	Fan control amp. (With front auto A/C)
C3	M29	W/8	NATS IMMU (With NATS except for TD engine models)	B1	M79	W/20	Joint connector-1
C1	M30	-	Body ground	B1	M80	B/12	Joint connector-2
C1	M31	W/2	Security indicator lamp (With NATS except for china and TB45S engine models with theft warning system)	G1	M84	W/18	To <b>D21</b>
A2	M36	L/2	ASCD clutch switch (M/T models with ASCD)	G2	M85	W/2	Diode (With front manual A/C)
D4	M37	B/3	Combination flasher unit	G3	M86	W/12	To <b>E104</b>
D3	M38	W/3	Mode door motor (With front auto A/C)	G2	M87	W/16	To <b>E105</b>
A2	M39	W/3	Illumination control switch	G3	M88	W/24	To <b>E106</b>
C3	M40	W/3	Air mix door motor (With front auto A/C)	A3	M89	BR/1	To <b>B58</b>
E4	M42	B/2	Cigarette lighter	A3	M90	L/4	Fuel pump relay (TB48 and TB45E engine models)
F4	M43	B/2	Front power socket	G2	M91	L/4	Power window relay
E4	M44	W/12	Stabilizer control unit	G2	M92	W/2	Circuit breaker-1
D4	M45	W/2	In-vehicle sensor (With front auto A/C)	G2	M93	BR/4	Blower resistor (With front manual A/C)
D1	M46	W/6	Rear window defogger switch	G2	M94	W/2	Blower motor
D1	M47	BR/8	Headlamp washer switch	G3	M95	W/10	To <b>E104</b>
D1	M48	BR/6	Sub fuel tank switch	G3	M96	W/16	To <b>B103</b>
D1	M49	W/8	Hazard switch	G3	M97	W/12	To <b>B102</b>
C3	M50	W/6	To <b>F5</b> (TB48 engine models except for Europe. TB45E and ZD engine models)	G3	M98	-	Body ground
D1	M51	W/16	To <b>F6</b>	C3	M100	L/6	Stabilizer switch
D1	M52	W/24	To <b>F7</b>	C2	M101	B/2	Stop lamp switch
E4	M53	W/8	Rear heater front switch				

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# HARNES LAYOUT/WAGON AND HARDTOP MODELS

## Main Harness/LHD Models (Cont'd)



# HARNES LAYOUT/WAGON AND HARDTOP MODELS

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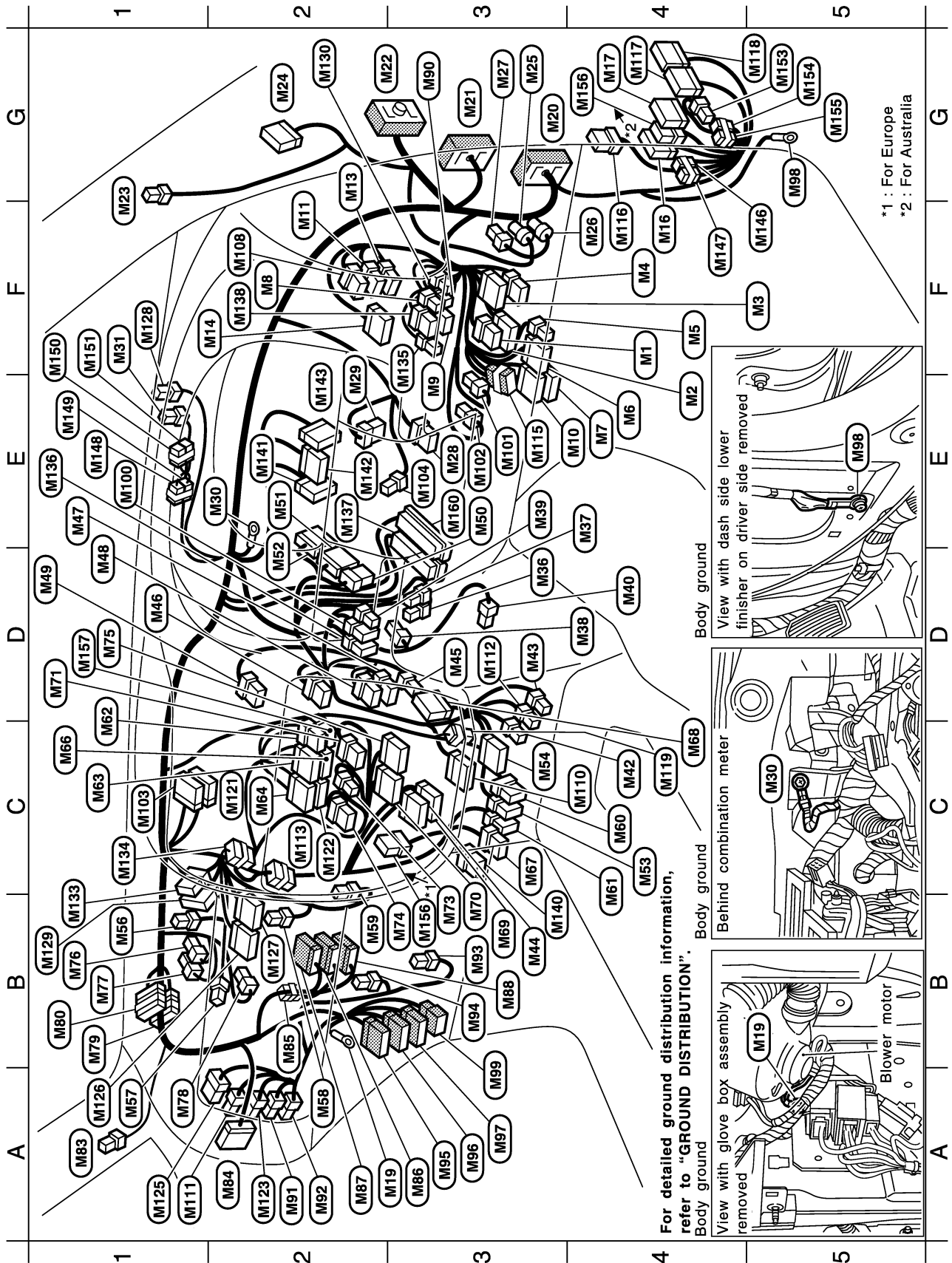
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# HARNESS LAYOUT/WAGON AND HARDTOP MODELS

## Main Harness/RHD Models



For detailed ground distribution information, refer to "GROUND DISTRIBUTION".

Body ground

View with glove box assembly removed

Blower motor

Body ground

Behind combination meter

Body ground

View with dash side lower finisher on driver side removed

\*1 : For Europe  
\*2 : For Australia

# HARNES LAYOUT/WAGON AND HARDTOP MODELS

## Main Harness/RHD Models (Cont'd)

F4	M1	W/8	:	Fuse block (J/B)	D1	M46	W/6	:	Rear window defogger switch
E4	M2	BR/16	:	Fuse block (J/B)	E1	M47	BR/8	:	Headlamp washer switch
F5	M3	GY/16	:	Fuse block (J/B)	D1	M48	BR/6	:	Sub fuel tank switch
F4	M4	GY/8	:	Fuse block (J/B)	D1	M49	W/8	:	Hazard switch
F4	M5	B/2	:	Fuse block (J/B)	E3	M50	W/6	:	To F5
E4	M6	W/12	:	Fuse block (J/B)	E2	M51	W/16	:	To F6
E4	M7	GY/14	:	Data link connector (With CONSULT)	E2	M52	W/24	:	To F7
F2	M8	L/4	:	ECM relay (TD42Ti engine models)	C1	M53	W/8	:	Rear heater front switch
E3	M9	BR/16	:	ECM relay (ZD engine models)	C3	M54	Y/20	:	Air bag diagnosis sensor unit
E4	M10	W/16	:	Data link connector (With CONSULT-II)	B1	M56	B/2	:	Sunload sensor (With front auto A/C)
F2	M11	W/8	:	Headlamp aiming switch	A1	M57	Y/2	:	Air bag module (Passenger side) (With dual air bag system)
G2	M13	W/6	:	Heat up switch	A2	M58	W/2	:	Intake sensor (With front auto A/C)
F1	M14	W/10	:	Door mirror remote control switch	B2	M59	W/3	:	Thermo control amp.
F4	M16	W/12	:	Glow control unit	C4	M60	L/6	:	Power antenna switch
G4	M17	BR/24	:	ASCD control unit	C4	M61	W/8	:	Rear cooler front switch
A2	M19	-	:	Body ground	D1	M62	W/6	:	Radio and cassette player
G3	M20	SMJ	:	To B19	C1	M63	W/10	:	Radio or radio and cassette player } (Except for Europe)
G3	M21	SMJ	:	To E127	C2	M64	W/12	:	Radio and cassette player (With CD auto changer)
G2	M22	SMJ	:	To D1	C1	M66	W/16	:	Radio and cassette player (For Europe)
G1	M23	W/3	:	Tweeter RH	C3	M67	BR/8	:	Diff lock switch
G2	M24	W/10	:	To R1	B3	M68	B/12	:	Diff lock control unit
G3	M25	BR/3	:	Accelerator pedal position sensor	B3	M69	BR/16	:	Sub fuel tank control unit
F4	M26	GY/3	:	Accelerator pedal position switch	C3	M70	GY/16	:	A/C auto amp. (With front auto A/C)
G3	M27	W/3	:	Accelerator switch (F/C)	D1	M71	W/6	:	Fan switch
E3	M28	Y/7	:	Spiral cable	B3	M73	W/3	:	Fan switch illumination } (With front manual A/C)
E2	M29	W/8	:	NATS IMMU (With NATS except for TD engine models)	B3	M74	W/8	:	Recirculation switch
E2	M30	-	:	Body ground	D1	M75	GY/20	:	A/C auto amp. } (With front auto A/C)
F1	M31	W/2	:	Security indicator lamp (With NATS except for TB45S engine models with theft warning system)	B1	M76	W/4	:	Intake door motor
D3	M36	L/2	:	ASCD clutch switch (M/T models with ASCD)	B1	M77	W/4	:	Intake door motor (With front manual A/C)
E4	M37	B/3	:	Combination flasher unit	A1	M78	W/4	:	Fan control amp. (With front auto A/C)
D4	M38	W/3	:	Mode door motor (With front auto A/C)	B1	M79	W/20	:	Joint connector-1
E3	M39	W/3	:	Illumination control switch	B1	M80	B/12	:	Joint connector-2
D4	M40	W/3	:	Air mix door motor (With front auto A/C)	A1	M83	W/3	:	Tweeter LH
C4	M42	B/2	:	Cigarette lighter	A2	M84	W/18	:	To D21
D3	M43	B/2	:	Front power socket	B2	M85	W/2	:	Diode (With front manual A/C)
B3	M44	W/12	:	Stabilizer control unit	A3	M86	BR/16	:	To E104
D3	M45	W/2	:	In-vehicle sensor (With front auto A/C)	A2	M87	W/16	:	To E105
					B3	M88	W/24	:	To E106
					G3	M90	L/4	:	Fuel pump relay (TB48 engine models)
					A2	M91	L/4	:	Power window relay
					A2	M92	W/2	:	Circuit breaker-1
					B3	M93	BR/4	:	Blower resistor (With front manual A/C)

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# HARNES LAYOUT/WAGON AND HARDTOP MODELS

## Main Harness/RHD Models (Cont'd)

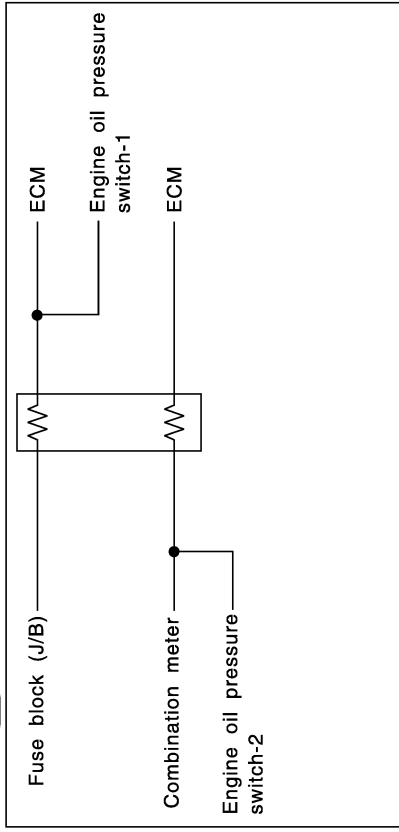
B3	(M194)	W/2	: Blower motor
A3	(M195)	W/16	: To (E101)
A3	(M196)	W/20	: To (E102)
A3	(M197)	W/16	: To (E103)
G5	(M198)	-	: Body ground
B3	(M199)	W/6	: To (E104)
E1	(M100)	L/6	: Stabilizer switch
E3	(M101)	B/2	: Stop lamp switch
E3	(M102)	L/2	: ASCD brake switch
C1	(M103)	W/12	: NATS IMMU } (TD engine models with NATS)
E3	(M104)	W/4	: NATS antenna amp. }
F2	(M109)	B/6	: Front fog lamp switch
C4	(M110)	W/10	: Cornering lamp relay unit
A1	(M111)	L/4	: Heated seat relay
D3	(M112)	B/1	: Cigarette lighter illumination
C2	(M113)	W/2	: Resistor (With diff. lock)
E3	(M115)	W/8	: Check connector
F4	(M116)	W/6	: Fuel pump control module (FPCM) } (TB45S engine models)
G4	(M117)	GY/16	: Super lock control unit
G4	(M118)	GY/20	: Super lock control unit
C4	(M119)	W/3	: Jumping connector
C2	(M121)	BR/8	: Dongle unit
C2	(M122)	W/16	: Radio and cassette player (With audio steering wheel switch)
A2	(M123)	W/2	: Circuit breaker-2
A1	(M125)	BR/6	: Theft warning horn relay
A1	(M126)	W/18	: Smart entrance control unit } (With theft warning system)
B2	(M127)	B/24	: Smart entrance control unit }
F1	(M128)	BR/2	: Security indicator lamp (TB45S engine models with theft warning system)
B1	(M129)	W/16	: Multi-remote control unit (Except for Europe and with theft warning system)
G2	(M130)	L/4	: Fuel pump relay (TB45S engine models)
B1	(M133)	BR/8	: Multi-remote control unit (For Europe)
C1	(M134)	W/6	: Anti-theft unit (Opt)
F3	(M135)	L/4	: Sub IMMU relay (TB45S engine models with NATS)
E1	(M136)	W/6	: Door lock and unlock switch
E2	(M137)	SMJ	: Sub IMMU (TB45S engine models with NATS)
F2	(M139)	BR/6	: ECM relay (TB48 engine models)
B3	(M140)	W/6	: Door lock relay
E2	(M141)	W/24	: Combination meter
E2	(M142)	BR/20	: Combination meter
F2	(M143)	BR/24	: Combination meter
F5	(M146)	W/2	: Diode } (TB45S engine models)
F4	(M147)	W/2	: Diode }
E1	(M148)	W/2	: Resistor } (TD engine models with theft warning system)
E1	(M149)	W/2	: Resistor }
F1	(M150)	W/2	: Resistor }
F1	(M151)	W/2	: Resistor }
G5	(M153)	L/4	: Manual mode position relay } (A/T models with ASCD)
G5	(M154)	W/2	: Diode }
G5	(M155)	W/2	: Diode (TB48 engine A/T models)
B3,G4	(M156)	W/4	: Resistor (ZD engine models for Europe and Australia)
D1	(M157)	W/4	: CD auto changer (Cluster lid) (Via sub-harness) (Located in the cluster lid)
E3	(M160)	SMJ	: ECM (TD42Ti engine models)



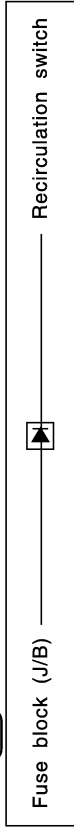
# HARNES LAYOUT/WAGON AND HARDTOP MODELS

## Main Harness/RHD Models (Cont'd)

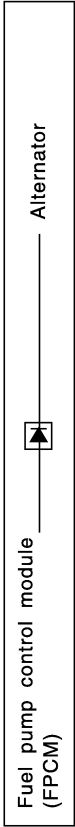
Resistor (M159)



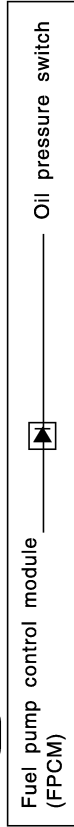
Diode (M85)



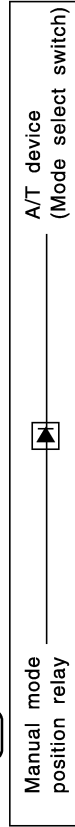
Diode (M146)



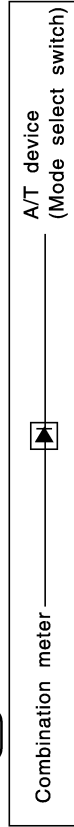
Diode (M147)



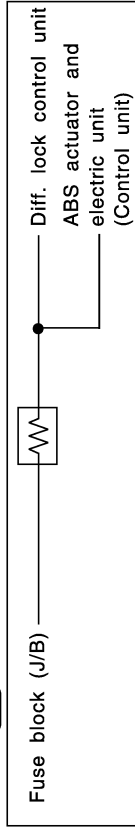
Diode (M153)



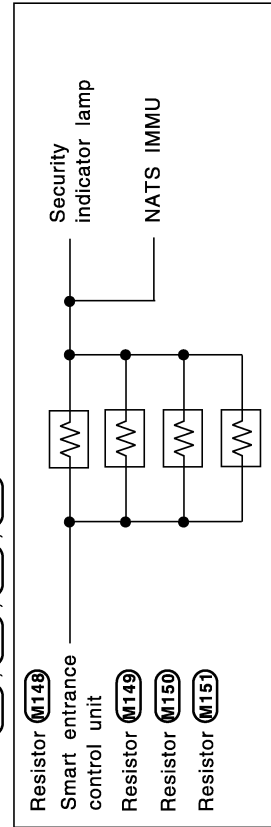
Diode (M155)



Resistor (M113)



Resistor (M148), (M149), (M150), (M151)

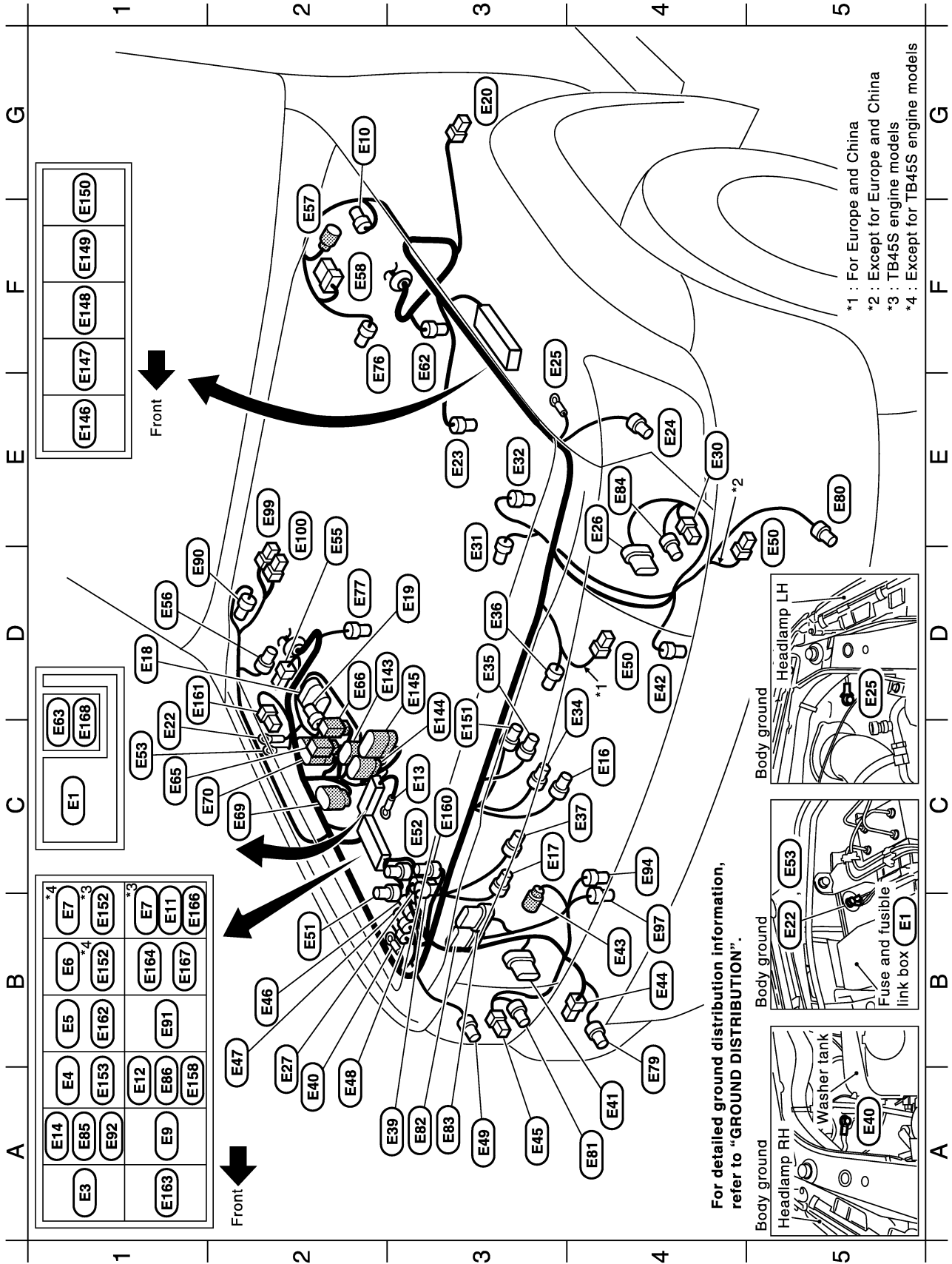


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# HARNESS LAYOUT/WAGON AND HARDTOP MODELS

## Engine Room Harness/LHD Models

### GASOLINE ENGINE MODELS



# HARNESS LAYOUT/WAGON AND HARDTOP MODELS

## Engine Room Harness/LHD Models (Cont'd)

C1	(E1)	-	Fuse and fusible link box	D4, D5	(E50)	B/1	Horn high
A1	(E3)	GY/6	Transfer neutral relay	B2	(E51)	BR/2	Park/Neutral position relay-1 } (TB48 engine A/T models and TB45S engine models with NATS)
A1	(E4)	L/4	Cornering lamp relay	C3	(E52)	BR/2	Park/Neutral position relay-1 }
B1	(E5)	BR/6	Air conditioner relay	C1	(E53)	-	Body ground
B1	(E6)	GY/6	Auto-choke relay	D2	(E55)	B/2	Side turn signal lamp RH
B1	(E7)	-	Fuse block	D1	(E56)	GY/4	ASCD pump
A1	(E9)	W/3	Horn relay	F2	(E57)	B/2	Wiper deicer
G2	(E10)	SB/4	Diff lock solenoid	F2	(E58)	W/6	Front wiper motor
B1	(E11)	L/4	Cooling fan relay-2 (TB45E engine models)	F3	(E62)	BR/2	Front wheel sensor LH (With ABS)
A1	(E12)	L/4	Wiper deicer relay	C1	(E63)	B/5	Park/Neutral position relay-2 (A/T models with ASCD)
C3	(E13)	-	Battery (+)	C1	(E65)	B/2	To (E204) (TB48 and TB45E engine models)
A1	(E14)	BR/6	Headlamp washer timer	D2	(E66)	L/2	To (E203)
C4	(E16)	B/2	Ambient sensor (TB48 engine models with front auto A/C)	C2	(E69)	GY/8	To (E202)
C3	(E17)	GY/4	Cooling fan motor-2 (TB48 engine models)	C1	(E70)	GY/10	To (E201)
D1	(E18)	SMJ	ABS actuator and electric unit	E2	(E76)	GY/2	Brake fluid level switch
D3	(E19)	GY/3	Power antenna	D2	(E77)	GY/2	Front wheel sensor RH (With ABS)
G3	(E20)	B/2	Side turn signal lamp LH	B4	(E79)	BR/2	Front fog lamp RH
C1	(E22)	-	Body ground (With ABS)	E5	(E80)	BR/2	Front fog lamp LH
E3	(E23)	GY/2	Ignition coil (TB45S engine models)	A4	(E81)	GY/3	Headlamp RH (With xenon headlamp system)
E4	(E24)	SB/4	Front combination lamp LH	A3	(E82)	GY/8	Daytime light control unit
E3	(E25)	-	Body ground	A3	(E83)	GY/6	Daytime light control unit
D4	(E26)	SB/6	Headlamp aiming motor LH	E4	(E84)	GY/3	Headlamp LH } (With xenon headlamp system)
A2	(E27)	B/3	Refrigerant pressure sensor (TB48 engine models for Europe)	A1	(E85)	L/4	HID relay RH }
E4	(E30)	B/3	Headlamp LH (Without xenon headlamp system)	A1	(E86)	L/4	HID relay LH }
D3	(E31)	SB/4	Distributor	D1	(E90)	GY/2	Cool box solenoid valve (For the Middle East TB48 and TB45E engine models with cool box)
E3	(E32)	B/1	Compressor	B1	(E91)	BR/6	Rear window defogger relay
C4	(E34)	B/2	Ambient air temperature sensor (With compass and thermometer)	A1	(E92)	B/5	A/C cut relay
D3	(E35)	B/2	Ambient sensor (TB45S engine models with front auto A/C)	C4	(E94)	GY/2	Engine coolant temperature switch-1 } (TB45S engine models with A/C)
D3	(E36)	GY/4	Cooling fan motor-1	B4	(E97)	GY/2	Engine coolant temperature switch (Rear cooler) (TB45E engine models with rear cooler)
C4	(E37)	GY/2	Cooling fan motor-2 (TB45E engine models)	E2	(E99)	B/1	ISC-FI POT control solenoid valve } (TB45S engine models with A/C)
A2	(E39)	B/2	Duel-pressure switch (Except for TB48 engine models for Europe)	D2	(E100)	B/1	ISC-FI POT control solenoid valve }
A2	(E40)	-	Body ground	D3	(E143)	GY/8	To (E233)
A4	(E41)	SB/6	Headlamp aiming motor RH	C3	(E144)	BR/8	To (E234)
D4	(E42)	GY/2	Engine coolant temperature switch-2 (TB45S engine models with A/C)	D3	(E145)	GY/10	To (E236)
B4	(E43)	GY/2	To (E181) (With electrical winch)	E1	(E146)	B/5	Shift lock relay
B4	(E44)	B/1	Horn low	E1	(E147)	BR/6	Park/Neutral position relay-3 } (A/T models)
A3	(E45)	B/3	Headlamp RH (Without xenon headlamp system)	F1	(E148)	L/4	Throttle control motor relay
B2	(E46)	GY/2	Front washer motor	F1	(E149)	L/4	Back-up lamp relay
A2	(E47)	BR/2	Rear washer motor	F1	(E150)	L/4	A/T pv ign relay
A2	(E48)	GY/2	Headlamp washer motor				
A3	(E49)	SB/4	Front combination lamp RH				

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# HARNES LAYOUT/WAGON AND HARDTOP MODELS

## Engine Room Harness/LHD Models (Cont'd)

C3	(E151)	BR/2	: Ambient air temperature switch (TB48 engine models with front manual A/C and TB45E engine models with rear cooler)
B1	(E152)	L/4	: Front fog lamp relay
A1	(E153)	L/4	: Rear fog lamp relay
A1	(E158)	BR/6	: Theft warning lamp relay
C3	(E160)	GY/2	: Hood switch
D1	(E161)	B/1	: Theft warning horn
B1	(E162)	L/4	: Air conditioner relay (TB48 and TB45E engine models)
A1	(E163)	BR/6	: Cooling fan relay-1
B1	(E164)	BR/6	: Cooling fan relay-2
B1	(E166)	BR/6	: Cooling fan relay-3
B1	(E167)	L/4	: Distributor cut relay
C1	(E168)	B/5	: Starter cut relay

} (TB48 engine models)

} (TB45S engine models with NATS)

# HARNESS LAYOUT/WAGON AND HARDTOP MODELS

## Engine Room Harness/LHD Models (Cont'd)

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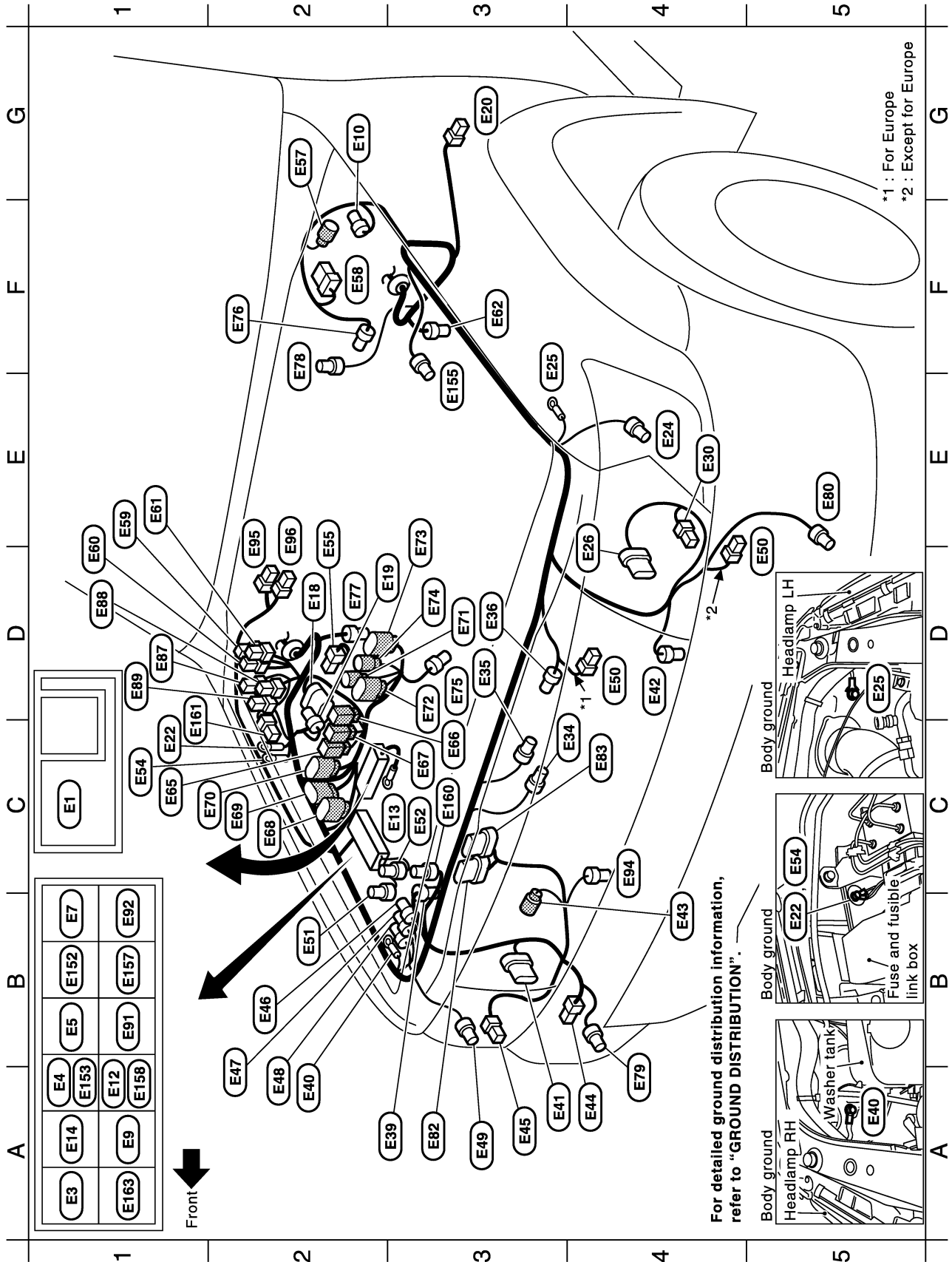
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# HARNESS LAYOUT/WAGON AND HARDTOP MODELS

## Engine Room Harness/LHD Models (Cont'd)

### DIESEL ENGINE MODELS



\*1 : For Europe  
\*2 : Except for Europe

For detailed ground distribution information, refer to "GROUND DISTRIBUTION".

# HARNESS LAYOUT/WAGON AND HARDTOP MODELS

## Engine Room Harness/LHD Models (Cont'd)

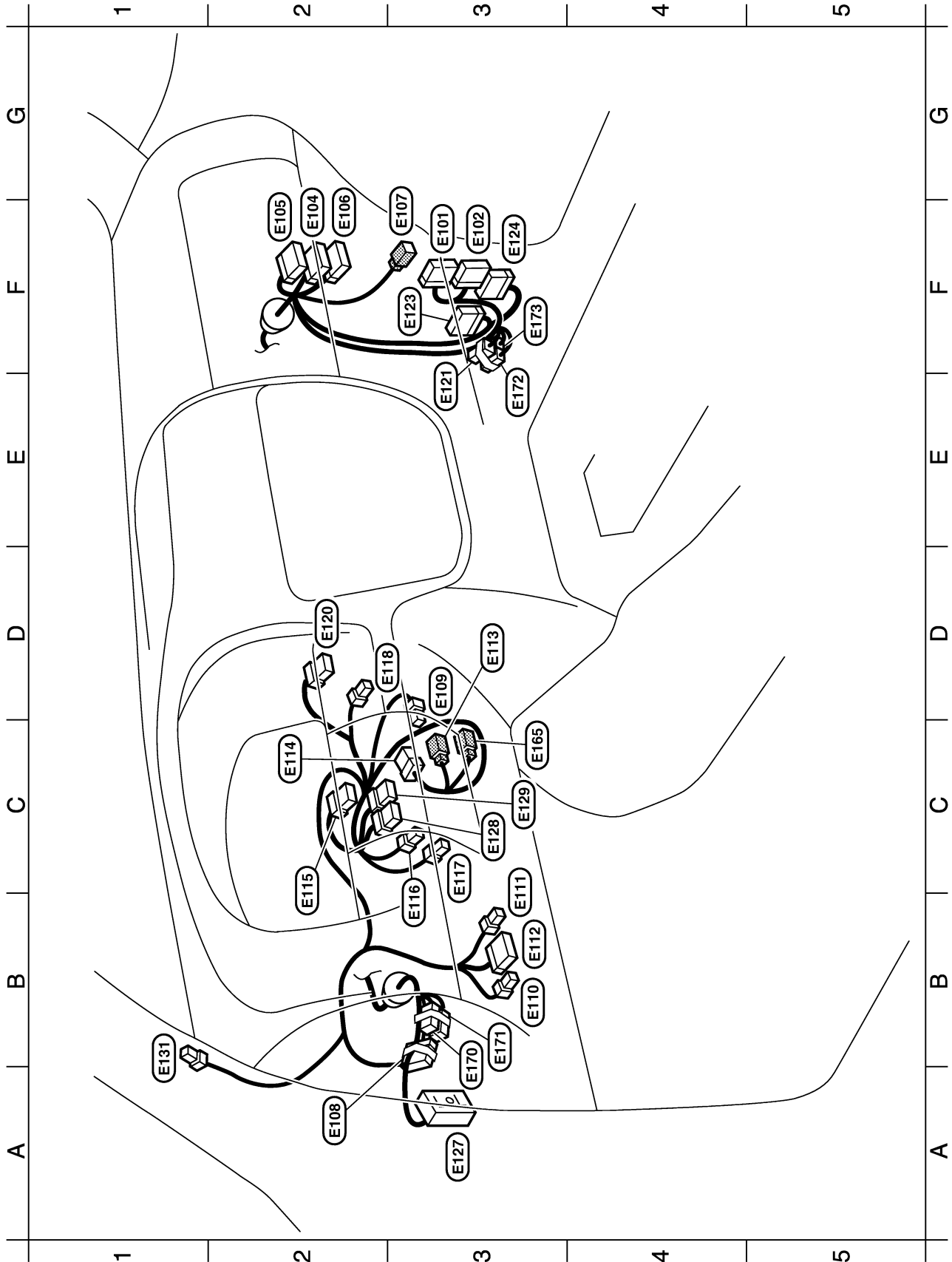
C1	(E1)	-	Fuse and fusible link box				
A1	(E3)	GY/6	Transfer neutral relay			W/1	Glow relay-1
A1	(E4)	L/4	Cornering lamp relay			BR/2	Front wheel sensor LH (With ABS)
B1	(E5)	BR/6	Air conditioner relay			B/2	To (E204)
B1	(E7)	-	Fuse block			L/2	To (E203)
A1	(E9)	W/3	Horn relay			R/2	To (E223)
G2	(E10)	SB/4	Diff. lock solenoid			SB/8	To (E222) (TD engine models)
A1	(E12)	L/4	Wiper deicer relay			GY/8	To (E202)
C2	(E13)	-	Battery (+)			GY/10	To (E201)
A1	(E14)	BR/6	Headlamp washer timer			GY/3	Revolution sensor
D2	(E18)	SMJ	ABS actuator and electric unit			BR/8	A/T solenoid valve
D2	(E19)	GY/3	Power antenna			GY/8	Park/Neutral position switch
G3	(E20)	B/2	Side turn signal lamp LH			GY/2	Park/Neutral position switch
C1	(E22)	-	Body ground (With ABS)			BR/2	Fuel filter switch (Except for Europe)
E4	(E24)	SB/4	Front combination lamp LH			GY/2	Brake fluid level switch
F3	(E25)	-	Body ground			GY/2	Front wheel sensor RH (With ABS)
D4	(E26)	SB/6	Headlamp aiming motor LH			GY/2	Dropping resistor (A/T models)
E4	(E30)	B/3	Headlamp LH			BR/2	Front fog lamp RH
C3	(E34)	B/2	Ambient air temperature sensor (With compass and thermometer)			BR/2	Front fog lamp LH
D3	(E35)	B/2	Ambient sensor (With front auto A/C)			GY/8	Daytime light control unit
D3	(E36)	GY/4	Cooling fan motor-1			GY/6	Daytime light control unit
A2	(E39)	B/2	Dual-pressure switch			G/2	Glow relay-2
A2	(E40)	-	Body ground			W/1	Glow relay-2
A3	(E41)	SB/6	Headlamp aiming motor RH			W/1	Glow relay-2
D4	(E42)	GY/2	Engine coolant temperature switch-2 (TD engine models with A/C)			BR/6	Rear window defogger relay
B4	(E43)	GY/2	To (E18) (With electrical winch)			B/5	A/C cut relay
A4	(E44)	B/1	Horn low			GY/2	Engine coolant temperature switch-1
A3	(E45)	B/3	Headlamp RH			B/1	IACV-FICD solenoid valve
B2	(E46)	GY/2	Front washer motor			B/1	IACV-FICD solenoid valve
A2	(E47)	BR/2	Rear washer motor			L/4	Front fog lamp relay
A2	(E48)	GY/2	Headlamp washer motor			L/4	Rear fog lamp relay
A3	(E49)	SB/4	Front combination lamp RH			B/2	Exhaust gas control valve control solenoid valve
D4, D5	(E50)	B/1	Horn high				(ZD engine models)
B2	(E51)	BR/2	Park/Neutral position relay-1			B/5	Shift lock relay (A/T models)
C3	(E52)	BR/2	Park/Neutral position relay-1			BR/6	Theft warning lamp relay
C1	(E54)	-	Body ground			GY/2	Hood switch
D2	(E55)	B/2	Side turn signal lamp RH			B/1	Theft warning horn
G2	(E57)	B/2	Wiper deicer			BR/6	Cooling fan relay-1
F2	(E58)	W/6	Front wiper motor				
E1	(E59)	G/2	Glow relay-1				
E1	(E60)	W/1	Glow relay-1				

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# HARNESS LAYOUT/WAGON AND HARDTOP MODELS

## Engine Room Harness/LHD Models (Cont'd)

### PASSENGER COMPARTMENT

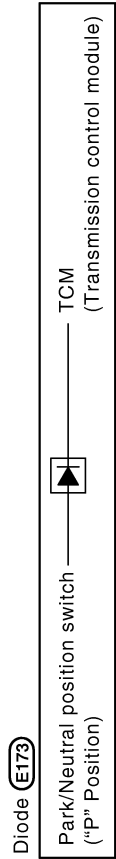
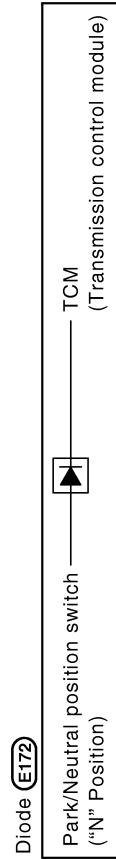
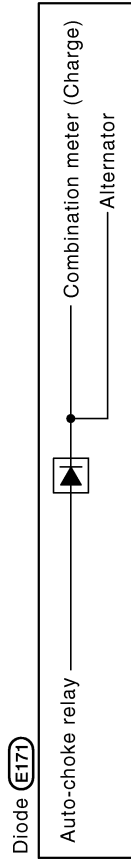
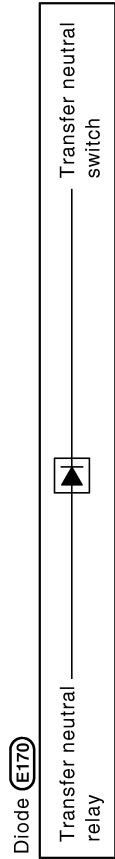
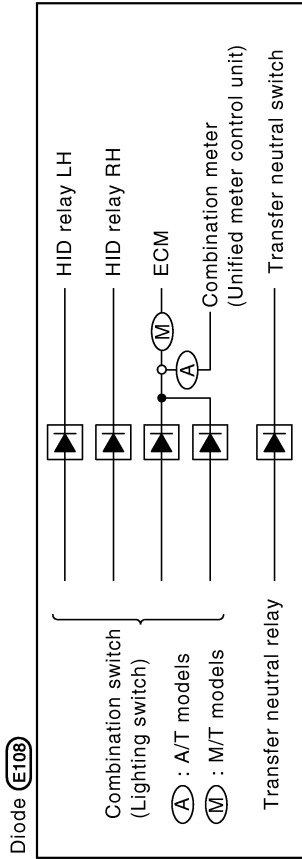




# HARNESS LAYOUT/WAGON AND HARDTOP MODELS

## Engine Room Harness/LHD Models (Cont'd)

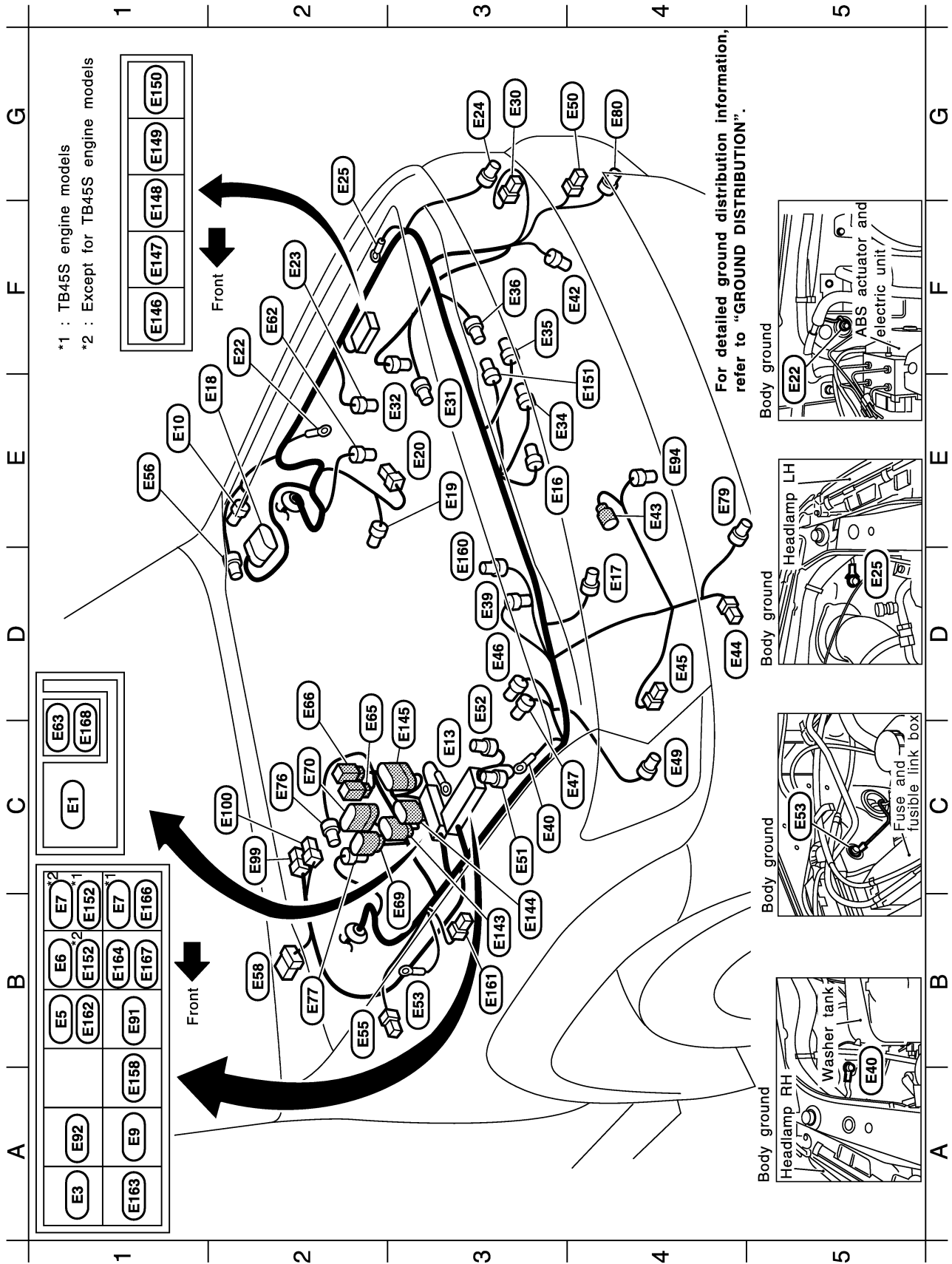
F3	E101	W/24	: TCM (Transmission control module)	} (ZD engine A/T models)
F3	E102	GY/24	: TCM (Transmission control module)	
F2	E104	W/12	: To M86	
F2	E105	W/16	: To M87	
F2	E106	W/24	: To M88	
F3	E107	W/2	: To E101	
A2	E108	L/10	: Diode (TB48 engine models)	
D3	E109	B/1	: Horn switch (Without air bag)	
B3	E110	B/2	: Fuse block (J/B)	
B3	E111	W/4	: Fuse block (J/B)	
B3	E112	W/16	: Fuse block (J/B)	
B3	E113	BR/2	: Key switch (Except for TD engine models with NATS)	
C2	E114	W/6	: Ignition switch	
C2	E115	BR/8	: Combination switch } (Lighting switch)	
B3	E116	BR/4	: Combination switch }	
C3	E117	BR/3	: Combination switch (Cornering lamp switch)	
D2	E118	W/4	: Combination switch (Rear wiper switch)	
D2	E120	GY/8	: Combination switch (Front wiper switch)	
F3	E121	GY/2	: Condenser (TB45S engine models)	
F3	E123	W/24	: TCM (Transmission control module)	} (TB48 engine A/T models)
F3	E124	GY/24	: TCM (Transmission control module)	
A3	E127	SMJ	: To M21	
C3	E128	W/6	: Combination switch (Rear fog lamp switch)	
C3	E129	W/6	: Combination switch (Front and rear fog lamp switch)	
B1	E131	W/3	: Tweeter LH	
C3	E165	W/2	: Key switch (TD engine models with NATS)	
B3	E170	W/2	: Diode (Except for TB48 engine models)	
B3	E171	W/2	: Diode (TB45S engine models)	
E3	E172	W/2	: Diode } (ZD engine A/T models)	
F3	E173	W/2	: Diode }	



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## Engine Room Harness/RHD Models

### GASOLINE ENGINE MODELS



# HARNES LAYOUT/WAGON AND HARDTOP MODELS

## Engine Room Harness/RHD Models (Cont'd)

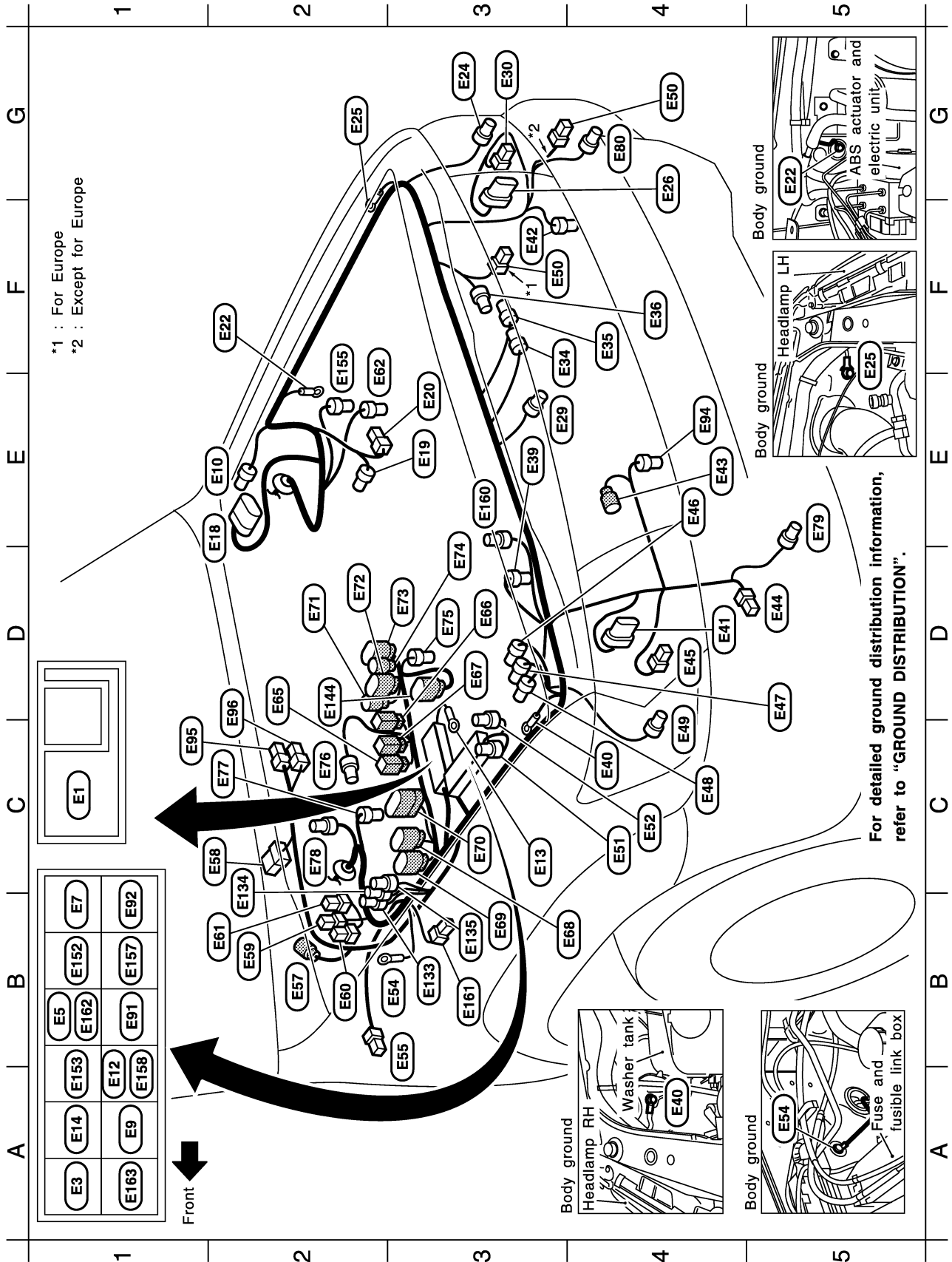
C1	E1	-	: Fuse and fusible link box	B3	E53	-	: Body ground
A1	E3	GY/6	: Transfer neutral relay	B2	E55	B/2	: Side turn signal lamp RH
B1	E5	BR/6	: Air conditioner relay } (TB45S engine models)	E1	E56	GY/4	: ASCD pump
B1	E6	GY/6	: Auto-choke relay	B2	E58	W/6	: Front wiper motor
B1	E7	-	: Fuse block	F2	E62	BR/2	: Front wheel sensor LH (With ABS)
A1	E9	W/3	: Horn relay	C1	E63	B/5	: Park/Neutral position relay-2 (A/T models with ASCD)
E1	E10	SB/4	: Diff. lock solenoid	C2	E65	B/2	: To E204 (TB48 engine models)
C3	E13	-	: Battery (+)	C2	E66	L/2	: To E203
E3	E16	B/2	: Ambient sensor (TB48 engine models with front auto A/C)	B3	E69	GY/8	: To E202
D4	E17	GY/4	: Cooling fan motor-2 (TB48 engine models)	C2	E70	GY/10	: To E201
E1	E18	SMJ	: ABS actuator and electric unit	C2	E76	GY/2	: Brake fluid level switch
E3	E19	SB/4	: Power antenna	B2	E77	GY/2	: Front wheel sensor RH (With ABS)
E3	E20	B/2	: Side turn signal lamp LH	E4	E79	BR/2	: Front fog lamp RH
F2	E22	-	: Body ground (With ABS)	G4	E80	BR/2	: Front fog lamp LH
F2	E23	GY/2	: Ignition coil (TB45S engine models)	B1	E91	BR/6	: Rear window defogger relay
G3	E24	SB/4	: Front combination lamp LH	A1	E92	B/5	: A/C cut relay
G2	E25	-	: Body ground	E4	E94	GY/2	: Engine coolant temperature switch-1 } (TB45S engine models with A/C)
G3	E30	B/3	: Headlamp LH	C2	E99	B/1	: ISC-FI POT control solenoid valve
E3	E31	SB/4	: Distributor } (TB45S engine models)	C2	E100	B/1	: ISC-FI POT control solenoid valve
E3	E32	B/1	: Compressor	B3	E143	GY/8	: To E233
E3	E34	B/2	: Ambient air temperature sensor (With compass and thermometer)	B3	E144	BR/8	: To E234
F3	E35	B/2	: Ambient sensor (TB45S engine models with front auto A/C)	C3	E145	GY/10	: To E236
F3	E36	GY/4	: Cooling fan motor-1	F1	E146	B/5	: Shift lock relay
D3	E39	B/2	: Dual-pressure switch	F1	E147	BR/6	: Park/Neutral position relay-3
C3	E40	-	: Body ground	F1	E148	L/4	: Throttle control motor relay
F4	E42	GY/2	: Engine coolant temperature switch-2 (TB45S engine models with A/C)	G1	E149	L/4	: Back-up lamp relay
E4	E43	GY/2	: To E181 (With electrical winch)	G1	E150	L/4	: A/T pv ign relay
D4	E44	B/1	: Horn low	E4	E151	BR/2	: Ambient air temperature switch } (TB48 engine models with front manual A/C)
D4	E45	B/3	: Headlamp RH	B1	E152	L/4	: Front fog lamp relay
D3	E46	GY/2	: Front washer motor	A1	E158	BR/6	: Theft warning lamp relay
C3	E47	BR/2	: Rear washer motor	D3	E160	GY/2	: Hood switch
C4	E49	SB/4	: Front combination lamp RH	B3	E161	B/1	: Theft warning horn
G4	E50	B/1	: Horn high	B1	E162	L/4	: Air conditioner relay (TB48 engine models)
C3	E51	BR/2	: Park/Neutral position relay-1 } (TB48 engine A/T models and TB45S engine models with NATS)	A1	E163	BR/6	: Cooling fan relay-1
C3	E52	BR/2	: Park/Neutral position relay-1 } (TB48 engine A/T models and TB45S engine models with NATS)	B1	E164	BR/6	: Cooling fan relay-2 } (TB48 engine models)
				B1	E166	BR/6	: Cooling fan relay-3 } (TB48 engine models)
				B1	E167	L/4	: Distributor cut relay } (TB45S engine models with NATS)
				C1	E168	B/5	: Starter cut relay }

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# HARNESS LAYOUT/WAGON AND HARDTOP MODELS

## Engine Room Harness/RHD Models (Cont'd)

### DIESEL ENGINE MODELS



# HARNES LAYOUT/WAGON AND HARDTOP MODELS

## Engine Room Harness/RHD Models (Cont'd)

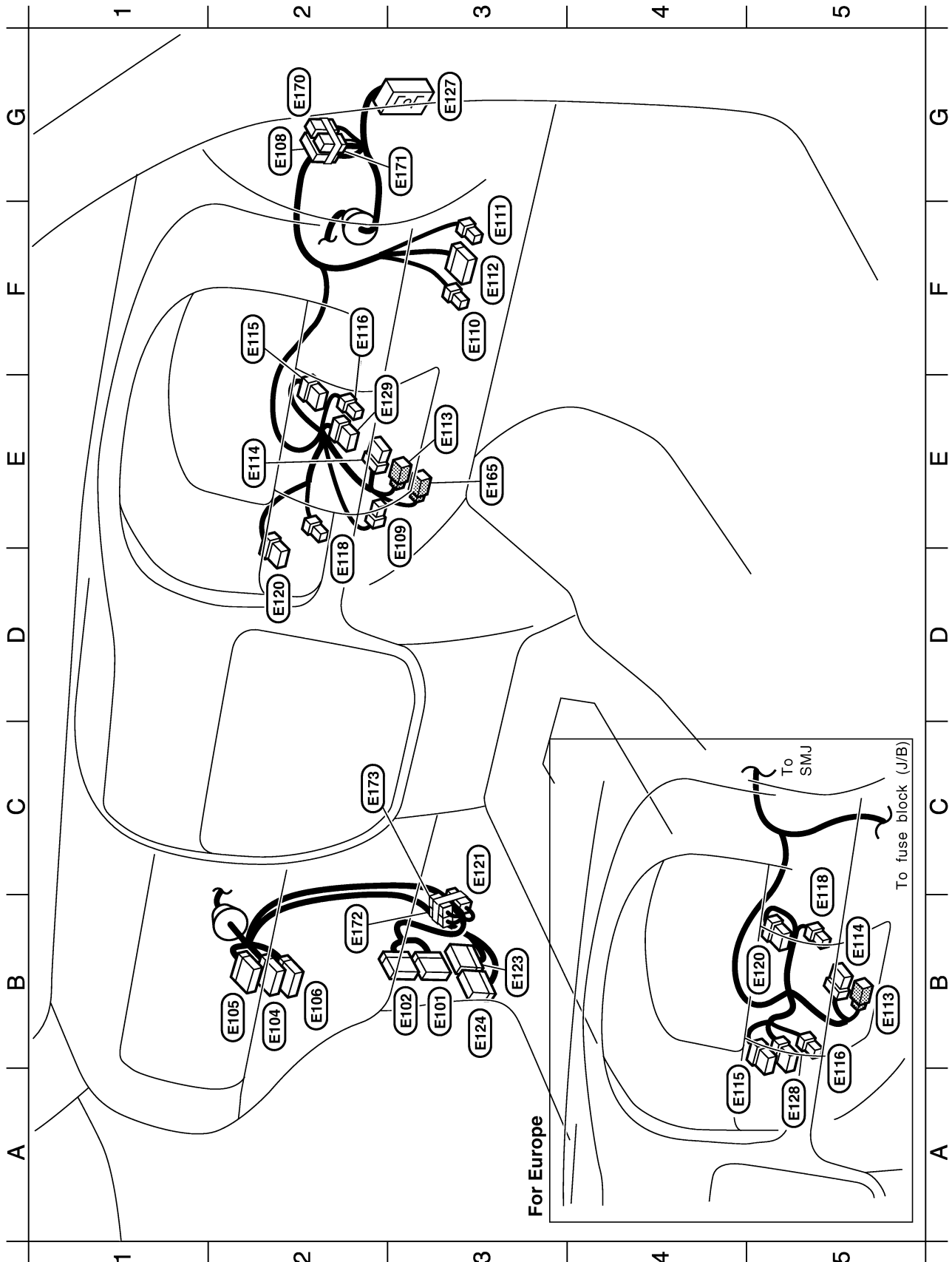
C1	E1	-	: Fuse and fusible link box	B3	E54	-	: Body ground
A1	E3	GY/6	: Transfer neutral relay	B3	E55	B/2	: Side turn signal lamp RH
B1	E5	BR/6	: Air conditioner relay (TD42 and ZD engine models)	B2	E57	B/2	: Wiper deicer
B1	E7	-	: Fuse block	C2	E58	W/6	: Front wiper motor
A1	E9	W/3	: Horn relay	B2	E59	G/2	: Grow relay-1
E2	E10	SB/4	: Diff lock solenoid	B2	E60	W/1	: Grow relay-1
A1	E12	L/4	: Wiper deicer relay	B2	E61	W/1	: Grow relay-1
C3	E13	-	: Battery (+)	E2	E62	BR/2	: Front wheel sensor LH (With ABS)
A1	E14	BR/6	: Headlamp washer timer	D2	E65	B/2	: To E204
E2	E18	SMJ	: ABS actuator and electric unit	D3	E66	L/2	: To E203
E3	E19	SB/4	: Power antenna	D3	E67	R/2	: To E223 (TD engine models)
E3	E20	B/2	: Side turn signal lamp LH	B4	E68	SB/8	: To E222 (TD engine models)
F2	E22	-	: Body ground (With ABS)	B3	E69	GY/8	: To E202
G3	E24	SB/4	: Front combination lamp LH	C3	E70	GY/10	: To E201
G2	E25	-	: Body ground	D2	E71	GY/3	: Revolution sensor
G4	E26	SB/6	: Headlamp aiming motor LH	D2	E72	BR/8	: A/T solenoid valve
E3	E29	B/2	: Intake air temperature sensor	D3	E73	GY/8	: Park/Neutral position switch
G3	E30	B/3	: Headlamp LH	D3	E74	GY/2	: Park/Neutral position switch
F3	E34	B/2	: Ambient air temperature sensor (With compass and thermometer)	D3	E75	BR/2	: Fuel filter switch
F4	E35	B/2	: Ambient sensor (With auto A/C)	C2	E76	GY/2	: Brake fluid level switch
F4	E36	GY/4	: Cooling fan motor-1	C2	E77	GY/2	: Front wheel sensor RH (With ABS)
E3	E39	B/2	: Dual-pressure switch	C2	E78	GY/2	: Dropping resistor (A/T models)
C4	E40	-	: Body ground	E5	E79	BR/2	: Front fog lamp RH
D4	E41	SB/6	: Headlamp aiming motor RH	G4	E80	BR/2	: Front fog lamp LH
F3	E42	GY/2	: Engine coolant temperature switch-2 (TD engine models with A/C)	B1	E91	BR/6	: Rear window defogger relay
E4	E43	GY/2	: To E18 (With electrical winch)	B1	E92	B/5	: A/C cut relay
D5	E44	B/1	: Horn low	E4	E94	GY/2	: Engine coolant temperature switch-1 (TD engine models with A/C)
D4	E45	B/3	: Headlamp RH	C1	E95	B/1	: IACV-FICD solenoid valve
E4	E46	GY/2	: Front washer motor	C2	E96	B/1	: IACV-FICD solenoid valve
D5	E47	BR/2	: Rear washer motor	B3	E133	BR/2	: EGRC-solenoid valve
C4	E48	GY/2	: Headlamp washer motor	B2	E134	B/2	: Throttle control solenoid valve-A
C4	E49	SB/4	: Front combination lamp RH	B3	E135	B/2	: Throttle control solenoid valve-B
F3, G4	E50	B/1	: Horn high	D2	E144	BR/8	: To E234
C4	E51	BR/2	: Park/Neutral position relay-1 (A/T models)	B1	E152	L/4	: Front fog lamp relay
C4	E52	BR/2	: Park/Neutral position relay-1 (A/T models)	A1	E153	L/4	: Rear fog lamp relay
				E2	E155	B/2	: Exhaust gas control valve control solenoid valve (ZD engine models)
				B1	E157	B/5	: Shift lock relay (A/T models)
				A1	E158	BR/6	: Theft warning lamp relay
				E3	E160	GY/2	: Hood switch
				B3	E161	B/1	: Theft warning horn
				B1	E162	L/4	: Air conditioner relay (TD42Ti engine models)
				A1	E163	BR/6	: Cooling fan relay-1

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# HARNESS LAYOUT/WAGON AND HARDTOP MODELS

## Engine Room Harness/RHD Models (Cont'd)

### PASSENGER COMPARTMENT

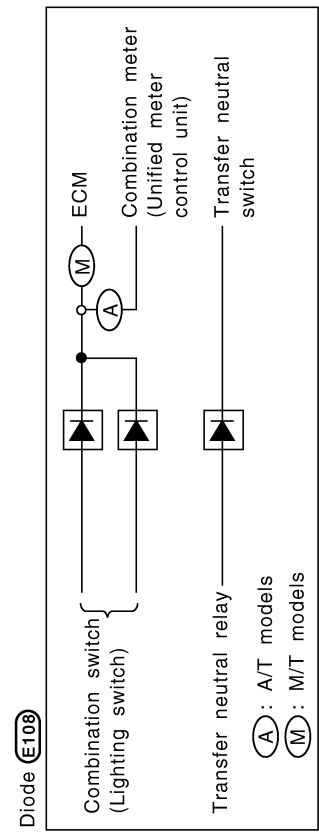
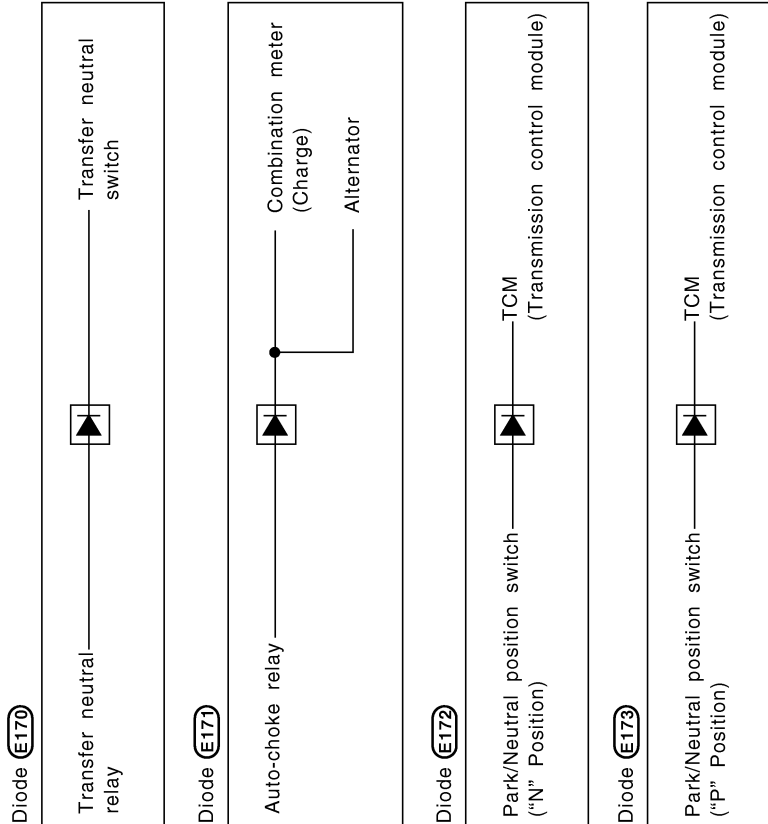


# HARNESS LAYOUT/WAGON AND HARDTOP MODELS

## Engine Room Harness/RHD Models (Cont'd)

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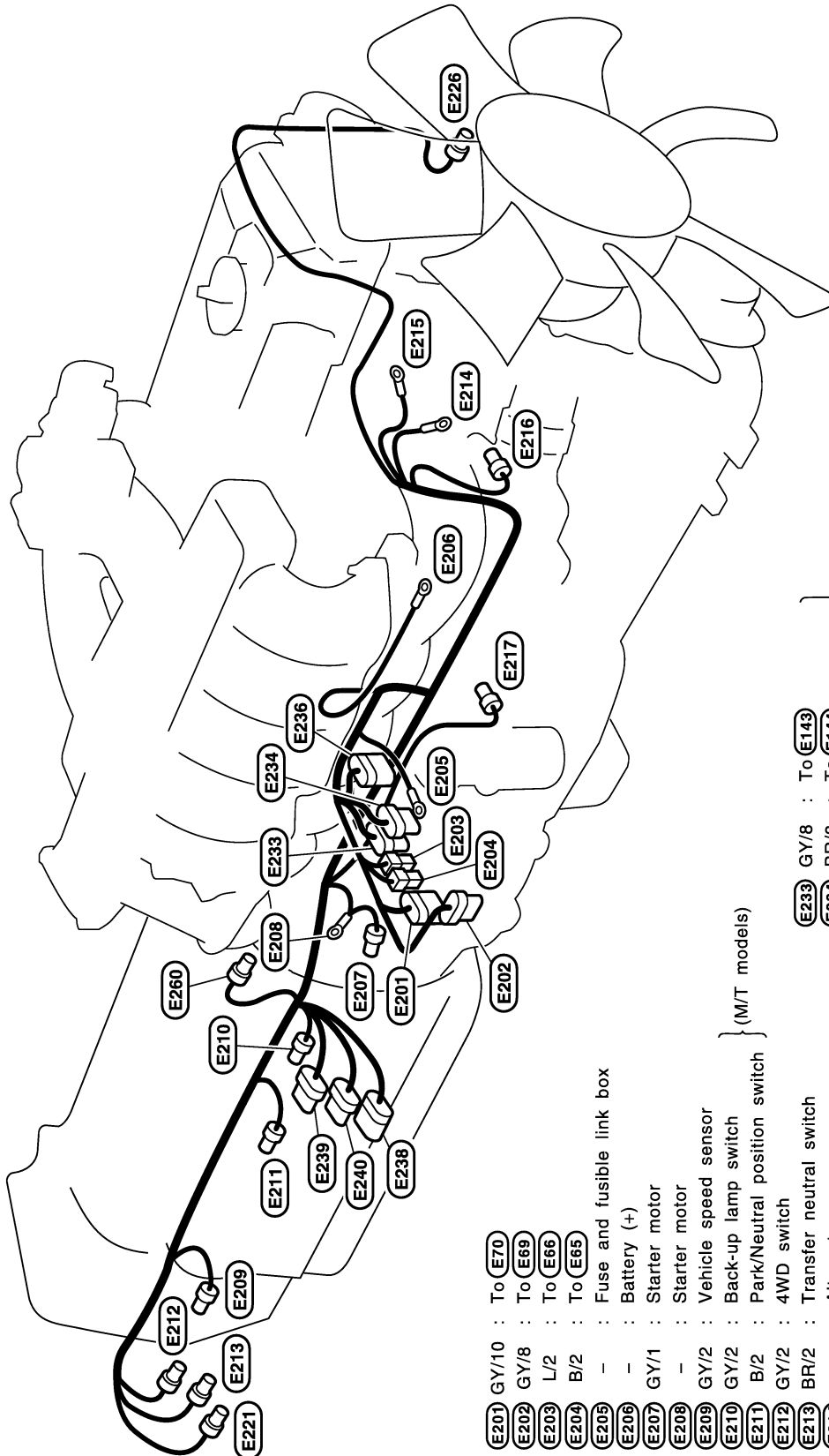
- B3 **E101** W/24 : TCM (Transmission control module) } (ZD engine A/T models)
- B3 **E102** GY/24 : TCM (Transmission control module)
- B2 **E104** BR/16 : To **M86**
- B2 **E105** W/16 : To **M87**
- B2 **E106** W/24 : To **M88**
- G2 **E108** L/10 : Diode (TB48 engine models)
- E3 **E109** B/1 : Horn switch (Without air bag)
- F3 **E110** B/2 : Fuse block (J/B)
- F3 **E111** W/4 : Fuse block (J/B)
- F3 **E112** W/16 : Fuse block (J/B)
- B5, E3 **E113** BR/2 : Key switch (Except for TD engine models with NATS)
- B5, E2 **E114** W/6 : Ignition switch
- A4, F2 **E115** BR/8 : Combination switch } (Lighting switch)
- A5, F2 **E116** BR/4 : Combination switch
- B5, E2 **E118** W/4 : Combination switch (Rear wiper switch)
- B5, D2 **E120** GY/8 : Combination switch (Front wiper switch)
- C3 **E121** GY/2 : Condenser (TB45S engine models)
- B3 **E123** W/24 : TCM (Transmission control module) } (TB48 engine A/T models)
- B3 **E124** GY/24 : TCM (Transmission control module)
- G3 **E127** SMJ : To **M21**
- A5 **E128** W/6 : Combination switch (Rear fog lamp switch)
- E2 **E129** W/6 : Combination switch (Front and Rear fog lamp switch)
- E3 **E165** W/2 : Key switch (TD engine models with NATS)
- G2 **E170** W/2 : Diode (Except for TB48 engine models)
- G3 **E171** W/2 : Diode (TB45S engine models)
- B2 **E172** W/2 : Diode } (ZD engine A/T models)
- C2 **E173** W/2 : Diode



# HARNESS LAYOUT/WAGON AND HARDTOP MODELS

## Engine Harness

TB48DE ENGINE



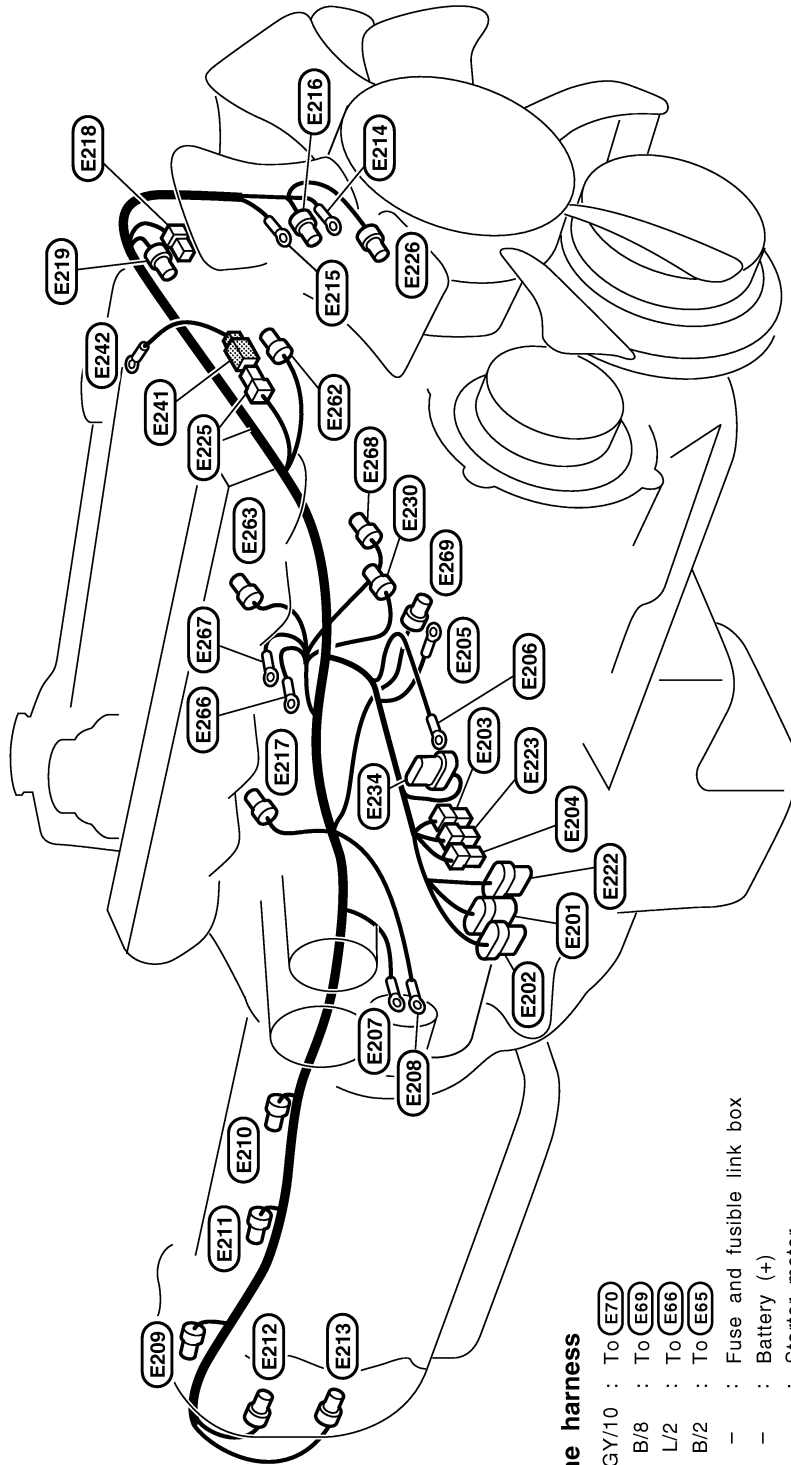
- |             |       |                                    |                |
|-------------|-------|------------------------------------|----------------|
| <b>E201</b> | GY/10 | : To <b>E70</b>                    |                |
| <b>E202</b> | GY/8  | : To <b>E69</b>                    |                |
| <b>E203</b> | L/2   | : To <b>E66</b>                    |                |
| <b>E204</b> | B/2   | : To <b>E65</b>                    |                |
| <b>E205</b> | -     | : Fuse and fusible link box        |                |
| <b>E206</b> | -     | : Battery (+)                      |                |
| <b>E207</b> | GY/1  | : Starter motor                    |                |
| <b>E208</b> | -     | : Starter motor                    |                |
| <b>E209</b> | GY/2  | : Vehicle speed sensor             |                |
| <b>E210</b> | GY/2  | : Back-up lamp switch              |                |
| <b>E211</b> | B/2   | : Park/Neutral position switch     | } (M/T models) |
| <b>E212</b> | GY/2  | : 4WD switch                       |                |
| <b>E213</b> | BR/2  | : Transfer neutral switch          |                |
| <b>E214</b> | -     | : Alternator                       |                |
| <b>E215</b> | -     | : Alternator                       |                |
| <b>E216</b> | GY/2  | : Alternator                       |                |
| <b>E217</b> | GY/1  | : Oil pressure switch              |                |
| <b>E221</b> | B/2   | : Transfer 4LO switch (A/T models) |                |
| <b>E226</b> | B/1   | : Compressor                       |                |
- 
- |             |       |   |                |
|-------------|-------|---|----------------|
| <b>E233</b> | GY/8  | : To <b>E143</b>                          | } (A/T models) |
| <b>E234</b> | BR/8  | : To <b>E144</b>                          |                |
| <b>E236</b> | GY/10 | : To <b>E145</b>                          |                |
| <b>E238</b> | G/10  | : A/T unit assembly                       |                |
| <b>E239</b> | G/8   | : A/T unit assembly                       |                |
| <b>E240</b> | B/8   | : A/T unit assembly                       |                |
| <b>E260</b> | GY/2  | : Crankshaft position sensor (For Europe) |                |



# HARNESS LAYOUT/WAGON AND HARDTOP MODELS

## Engine Harness (Cont'd)

TD42Ti ENGINE



### Engine harness

E201	GY/10	: To	<b>(E70)</b>
E202	B/8	: To	<b>(E69)</b>
E203	L/2	: To	<b>(E66)</b>
E204	B/2	: To	<b>(E65)</b>
E205	-	: Fuse and fusible link box	
E206	-	: Battery (+)	
E207	-	: Starter motor	
E208	-	: Starter motor	
E209	GY/2	: Vehicle speed sensor	
E210	GY/2	: Back-up lamp switch	
E211	B/2	: Park/Neutral position switch	
E212	GY/2	: 4WD switch	
E213	BR/2	: Transfer neutral switch	
E214	-	: Alternator	
E215	-	: Alternator	
E216	GY/2	: Alternator	
E217	GY/1	: Oil pressure switch	
E218	B/1	: Thermal transmitter	
E219	GY/2	: Engine coolant temperature sensor	
E222	GY/8	: To	<b>(E68)</b>
E223	R/2	: To	<b>(E67)</b>

<b>(E225)</b>	B/1	: To	<b>(E241)</b>
<b>(E226)</b>	B/1	: Compressor	
<b>(E230)</b>	B/3	: Csolu	
<b>(E234)</b>	BR/2	: To	<b>(E144)</b>
<b>(E262)</b>	B/3	: Crankshaft position sensor (TDC)	
<b>(E263)</b>	BR/8	: Needle lift sensor	
<b>(E266)</b>	-	: Engine ground	
<b>(E267)</b>	-	: Engine ground	
<b>(E268)</b>	GY/3	: Accelerator pedal position sensor	
<b>(E269)</b>	B/2	: Injection timing control valve	

**Glow sub-harness**

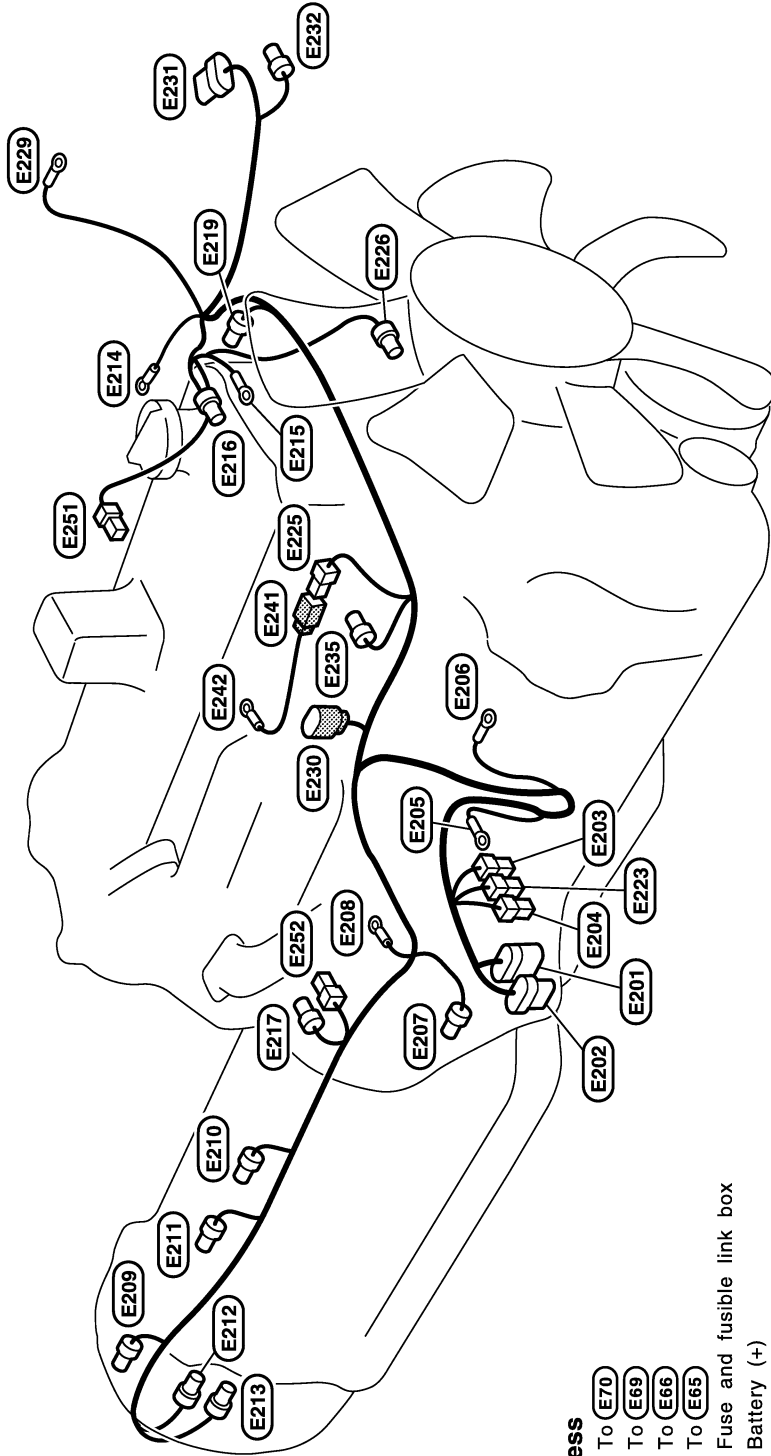
<b>(E241)</b>	B/1	: To	<b>(E225)</b>
<b>(E242)</b>	-	: Glow plug	

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# HARNESS LAYOUT/WAGON AND HARDTOP MODELS

## Engine Harness (Cont'd)

ZD ENGINE



### Engine harness

- (E201) GY/10 : To (E70)
- (E202) B/8 : To (E69)
- (E203) L/2 : To (E66)
- (E204) B/2 : To (E65)
- (E205) - : Fuse and fusible link box
- (E206) - : Battery (+)
- (E207) GY/1 : Starter motor
- (E208) - : Starter motor
- (E209) GY/2 : Vehicle speed sensor
- (E210) GY/2 : Back-up lamp switch
- (E211) B/2 : Park/Neutral position switch } (M/T models)
- (E212) GY/2 : 4WD switch
- (E213) BR/2 : Transfer neutral switch
- (E214) - : Alternator
- (E215) - : Alternator
- (E216) GY/2 : Alternator
- (E217) GY/1 : Oil pressure switch (Except for Europe and Australia)
- (E219) GY/2 : Engine coolant temperature sensor
- (E223) R/2 : To (E67)
- (E225) B/1 : To (E241)

- (E226) B/1 : Compressor
- (E229) - : Battery (+) (For cold areas)
- (E230) B/8 : To (F12)
- (E231) GY/5 : Mass air flow sensor
- (E232) BR/2 : Variable nozzle turbocharger control solenoid valve
- (E235) B/1 : Thermal transmitter
- (E251) B/1 : Engine oil pressure switch-2 } (For Europe and Australia)
- (E252) B/1 : Engine oil pressure switch-1

### Glow sub-harness

- (E241) B/1 : To (E225)
- (E242) - : Glow plug

# HARNES LAYOUT/WAGON AND HARDTOP MODELS

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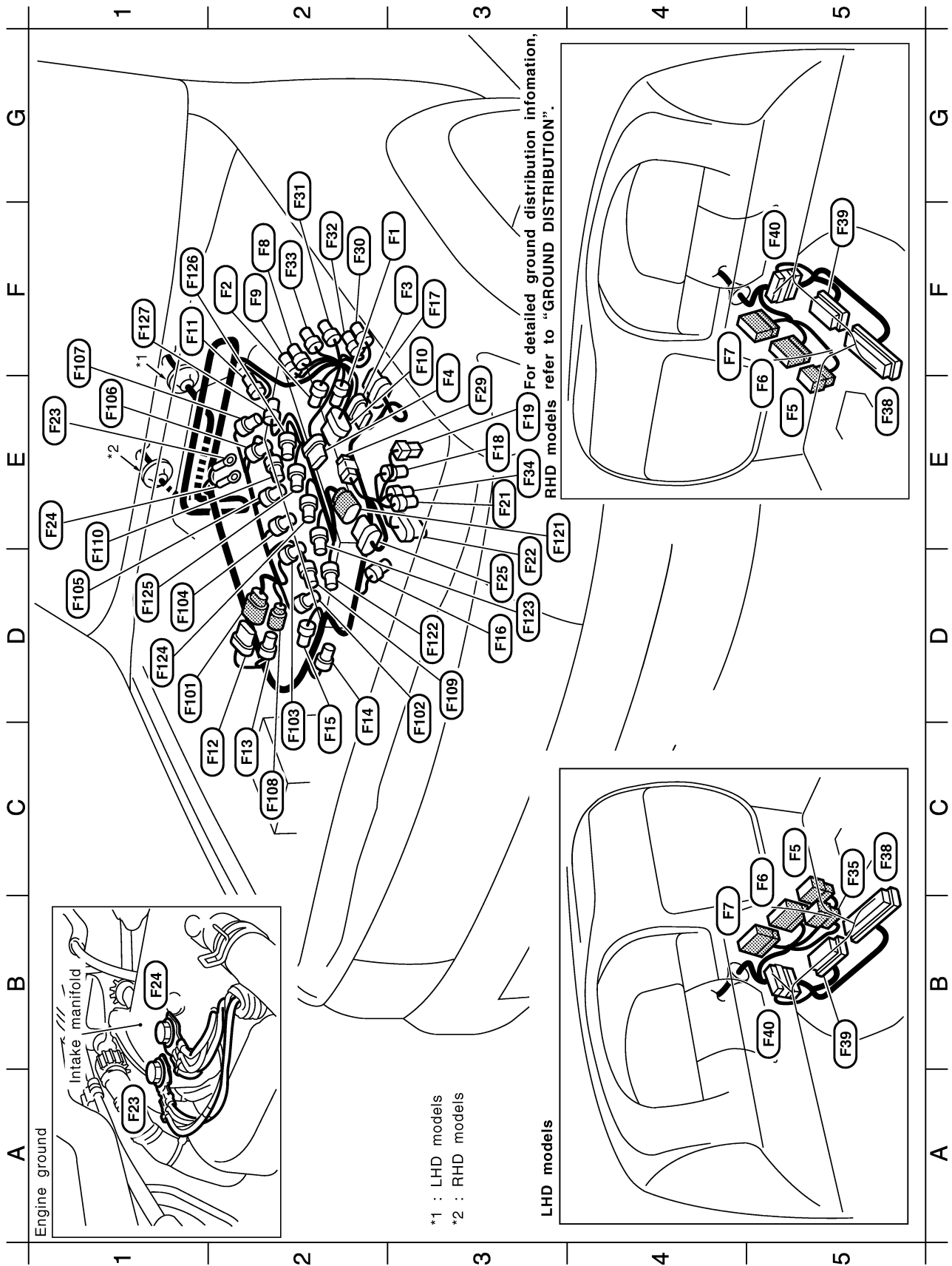
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## Engine Control Harness

TB48DE ENGINE



Engine Control Harness (Cont'd)

Engine control harness

F3	F1	GY/3	: Throttle position switch
F2	F2	BR/3	: Throttle position sensor } (M/T models)
F3	F3	L/6	: IACV-AAC valve
E3	F4	L/6	: Electric throttle control actuator (A/T models)
C5, E5	F5	W/6	: To (M50)
C5, E5	F6	W/16	: To (M51)
B4, F4	F7	W/24	: To (M52)
F2	F8	SB/3	: Heated oxygen sensor 1 (B1) } (With three way catalyst
F2	F9	SB/3	: Heated oxygen sensor 1 (B2) } except for Europe)
F3	F10	G/6	: Electric throttle control actuator (A/T models)
F1	F11	B/2	: VIAS control solenoid valve
C2	F12	SB/8	: To (F101)
C2	F13	SB/4	: To (F108)
D2	F14	G/2	: Intake valve timing control solenoid valve
C2	F15	L/2	: EVAP canister purge volume control solenoid valve
D3	F16	GY/4	: Camshaft position sensor
F3	F17	GY/5	: Mass air flow sensor
E3	F18	GY/2	: Engine coolant temperature sensor
E3	F19	B/1	: Thermal transmitter
E3	F21	GY/2	: Power steering oil pressure switch (Except for Europe)
D3	F22	GY/6	: Power steering stepping motor
E1	F23	-	: Engine ground
E1	F24	-	: Engine ground
D3	F25	GY/8	: To (F121)
E3	F29	GY/2	: Condenser
F2	F30	L/4	: Heated oxygen sensor 1 (B1) (Front)
G2	F31	G/4	: Heated oxygen sensor 2 (B1) (Rear)
F2	F32	L/4	: Heated oxygen sensor 1 (B2) (Front)
F2	F33	G/4	: Heated oxygen sensor 2 (B2) (Rear)
E3	F34	BR/3	: Power steering pressure sensor
C5	F35	W/8	: To (M55)
C5, E5	F38	SMJ	: ECM
B5, F5	F39	SMJ	: ECM
B5, F5	F40	P/20	: Joint connector-7

Engine control sub-harness-1

D1	F101	SB/8	: To (F12)
D3	F102	GY/2	: Injector No. 1
D2	F103	GY/2	: Injector No. 2
D1	F104	GY/2	: Injector No. 3
D1	F105	GY/2	: Injector No. 4
E1	F106	GY/2	: Injector No. 5
F1	F107	GY/2	: Injector No. 6
C2	F108	GY/4	: To (F13)
D3	F109	GY/2	: Knock sensor-1
E1	F110	GY/2	: Knock sensor-2

Engine control sub-harness-2

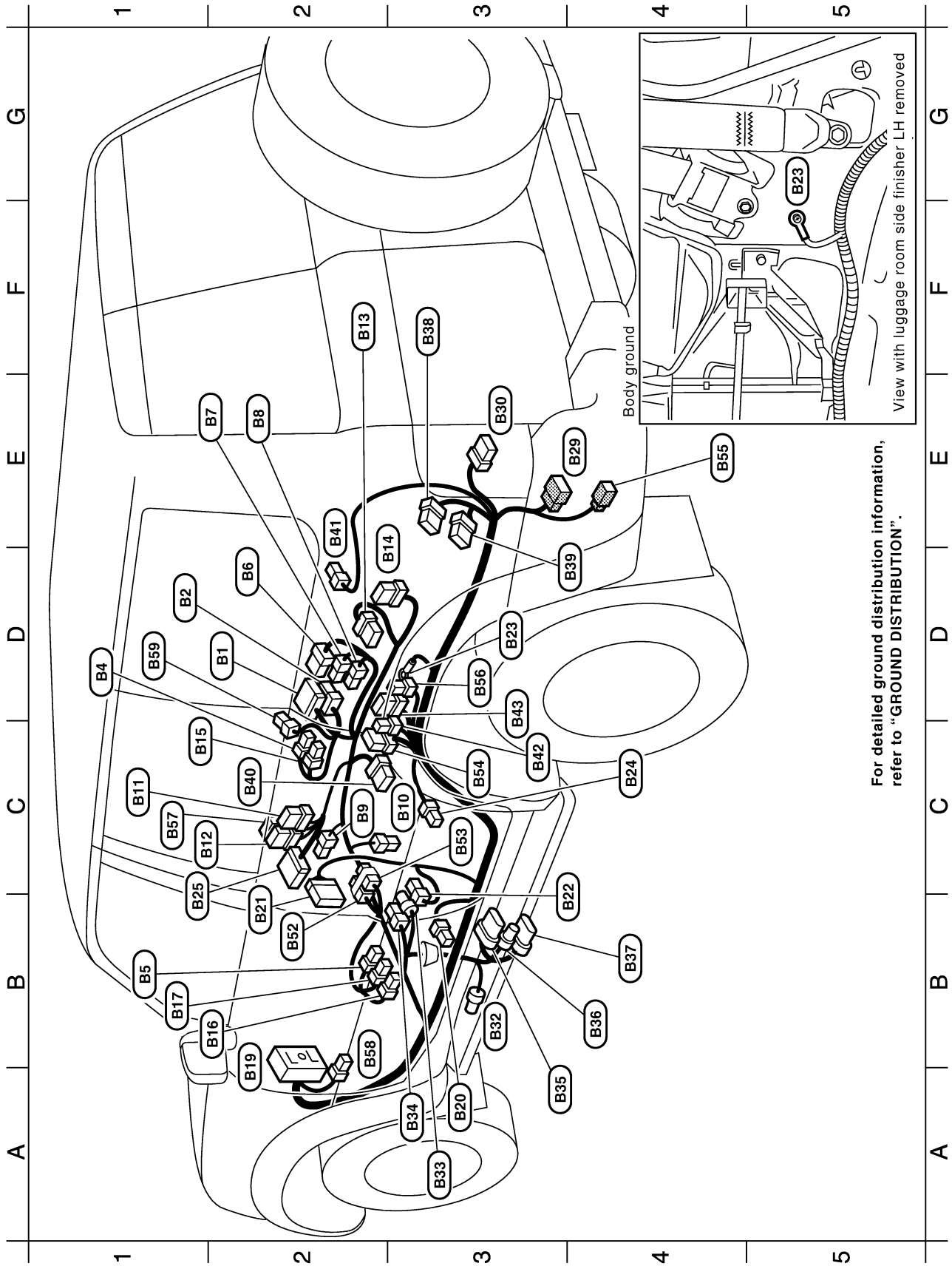
E3	F121	GY/8	: To (F25)
D3	F122	GY/3	: Ignition coil No. 1 (With power transistor)
D3	F123	GY/3	: Ignition coil No. 2 (With power transistor)
D1	F124	GY/3	: Ignition coil No. 3 (With power transistor)
D1	F125	GY/3	: Ignition coil No. 4 (With power transistor)
F1	F126	GY/3	: Ignition coil No. 5 (With power transistor)
F1	F127	GY/3	: Ignition coil No. 6 (With power transistor)

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# HARNES LAYOUT/WAGON AND HARDTOP MODELS

## Body Harness/LHD Models

WAGON



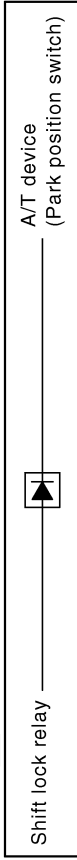
For detailed ground distribution information, refer to "GROUND DISTRIBUTION".

# HARNES LAYOUT/WAGON AND HARDTOP MODELS

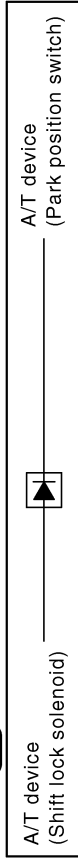
## Body Harness/LHD Models (Cont'd)

- C3 (B54) BR/6 : Multi-remote control relay (With theft warning system)
- E4 (B55) W/4 : To (D87) (With theft warning system)
- D3 (B56) L/4 : Rear cooler cut relay (TB48 engine models with rear cooler)
- C1 (B57) W/8 : Snow mode switch (TB48 engine A/T models with snow mode switch)
- B2 (B58) BR/1 : To (M89)
- D1 (B59) BR/2 : To (B141) (With 7-speakers)

Diode-1 (B52)



Diode-2 (B53)



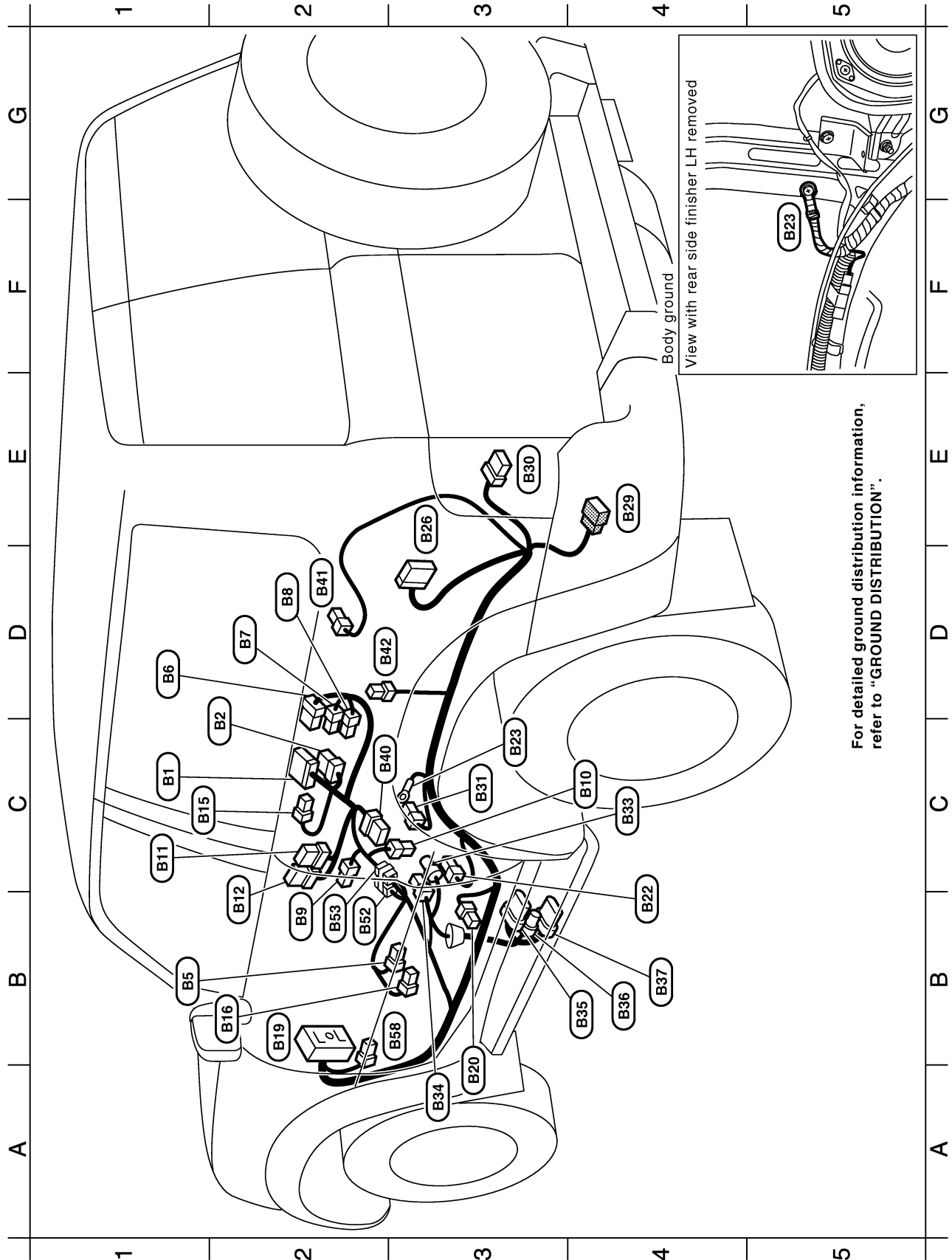
- D2 (B1) W/12 : To (B105)
- D1 (B2) W/8 : To (B106)
- D1 (B4) W/2 : Power seat (Passenger side)
- B1 (B5) W/3 : Heated seat LH
- D2 (B6) W/6 : Wiper deicer switch
- E1 (B7) W/4 : Heated seat switch LH
- E2 (B8) L/4 : Heated seat switch RH
- C2 (B9) W/3 : Ashtray illumination
- C3 (B10) B/1 : Parking brake switch
- C1 (B11) W/8 : A/T device (ZD engine A/T models)
- C1 (B12) W/8 : A/T mode switch (ZD engine A/T models with A/T mode switch)
- F2 (B13) W/6 : Rear cooler switch
- D3 (B14) W/6 : Rear fan switch
- C1 (B15) W/3 : Heated seat RH
- B2 (B16) W/3 : Seat belt buckle switch
- B1 (B17) W/2 : Power seat (Driver side)
- A2 (B19) SMJ : To (W20)
- A3 (B20) B/3 : Front door switch (Driver side)
- B2 (B21) W/18 : To (D41)
- C4 (B22) Y/2 : Seat belt pre-tensioner (Driver side)
- D3 (B23) - : Body ground
- C4 (B24) B/3 : Rear door switch LH
- C1 (B25) W/12 : A/T device (TB48 engine A/T models)
- E4 (B29) W/6 : To (D81)
- E3 (B30) BR/6 : Rear combination lamp LH
- B3 (B32) GY/2 : Rear cooler solenoid valve
- A3 (B33) BR/2 : G sensor (For Europe with ABS)
- A3 (B34) GY/2 : G sensor (With ABS)
- A3 (B35) GY/8 : To (C1)
- B4 (B36) SB/4 : To (C3)
- B4 (B37) SB/8 : To (C2)
- F3 (B38) W/8 : Rear cooler unit
- D4 (B39) B/6 : Rear cooler unit
- C2 (B40) W/6 : Cool box
- E2 (B41) B/2 : Rear power socket
- C3 (B42) L/4 : Power socket relay
- D3 (B43) B/5 : Rear cooler cut relay (TB45E engine models with rear cooler)
- B2 (B52) W/2 : Diode-1 } (A/T models)
- C3 (B53) W/2 : Diode-2 }

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# HARNESS LAYOUT/WAGON AND HARDTOP MODELS

## Body Harness/LHD Models (Cont'd)

### HARDTOP



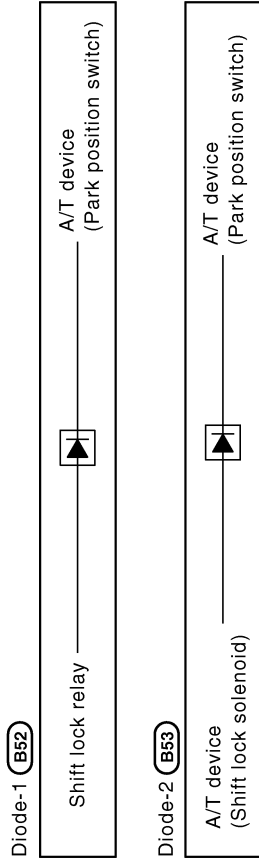
For detailed ground distribution information,  
refer to "GROUND DISTRIBUTION".



# HARNES LAYOUT/WAGON AND HARDTOP MODELS

## Body Harness/LHD Models (Cont'd)

C1	(B1)	W/12	:	To	(E105)
D2	(B2)	W/8	:	To	(E106)
B1	(B5)	W/3	:	Heated seat LH	
D1	(B6)	W/6	:	Wiper deicer switch	
D2	(B7)	W/4	:	Heated seat switch LH	
D2	(B8)	L/4	:	Heated seat switch RH	
B2	(B9)	W/3	:	Ashtray illumination	
C4	(B10)	B/1	:	Parking brake switch	
C1	(B11)	W/8	:	A/T device	
B2	(B12)	W/8	:	A/T mode switch	
C1	(B15)	W/3	:	Heated seat RH	
B2	(B16)	W/3	:	Seat belt buckle switch	
B2	(B19)	SMJ	:	To	(M20)
A3	(B20)	B/3	:	Front door switch (Driver side)	
B4	(B22)	Y/2	:	Seat belt pre-tensioner (Driver side)	
C3	(B23)	-	:	Body ground	
E3	(B26)	W/16	:	CD auto changer (Located in the luggage room)	
E4	(B29)	W/6	:	To	(D81)
E3	(B30)	BR/6	:	Rear combination lamp LH	
C3	(B31)	BR/2	:	Rear speaker LH	
C4	(B33)	BR/2	:	G sensor (For Europe with ABS)	
A3	(B34)	GY/2	:	G sensor (With ABS)	
B4	(B35)	GY/8	:	To	(C1)
B4	(B36)	SB/4	:	To	(C3)
B4	(B37)	SB/8	:	To	(C2)
C3	(B40)	W/6	:	Cool box	
D2	(B41)	B/2	:	Rear power socket	
D2	(B42)	L/4	:	Power socket relay	
B2	(B52)	W/2	:	Diode-1	} (A/T models)
B2	(B53)	W/2	:	Diode-2	
B3	(B58)	BR/1	:	To	(M89)



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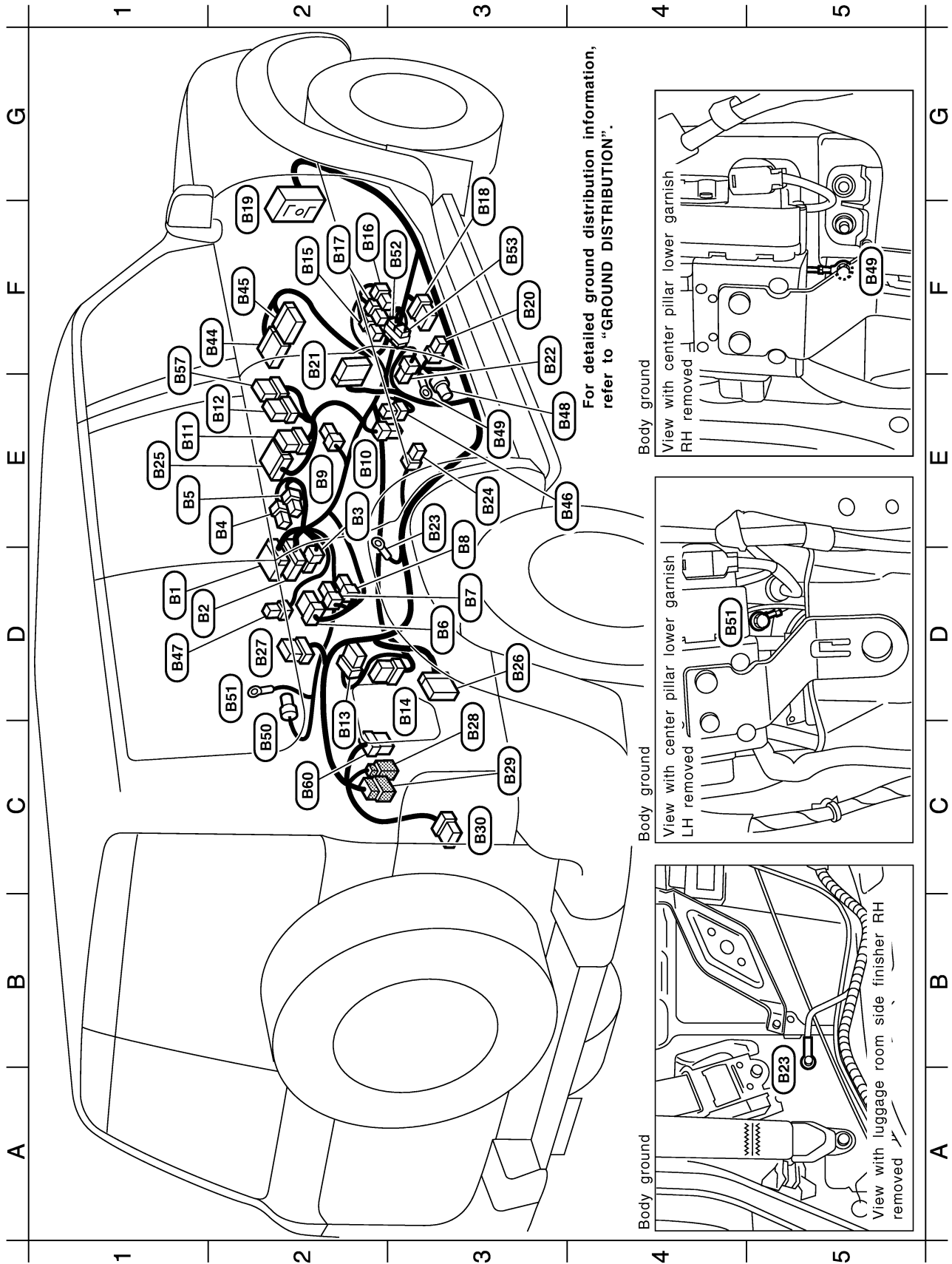
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# HARNES LAYOUT/WAGON AND HARDTOP MODELS

## Body Harness/RHD Models

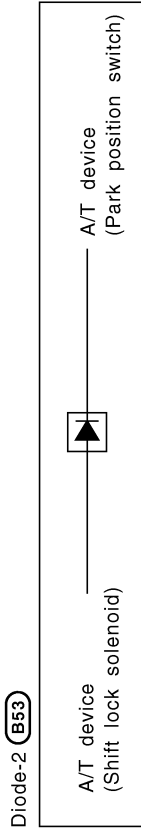
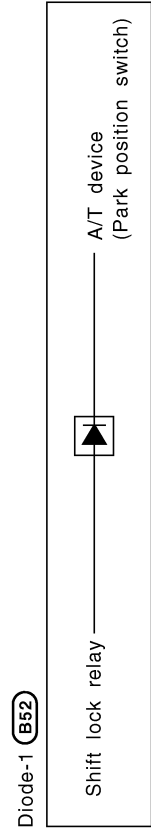
WAGON



# HARNESS LAYOUT/WAGON AND HARDTOP MODELS

## Body Harness/RHD Models (Cont'd)

D1	B1	W/12	: To <b>B105</b>
D1	B2	W/10	: To <b>B106</b>
E2	B3	W/4	: To <b>B130</b>
E2	B4	W/2	: Power seat (Passenger side)
E1	B5	W/3	: Heated seat LH
D3	B6	W/6	: Wiper deicer switch
D3	B7	W/4	: Heated seat switch LH
D3	B8	L/4	: Heated seat switch RH
E2	B9	W/3	: Ashtray illumination
E2	B10	B/1	: Parking brake switch
E1	B11	W/8	: A/T device (ZD engine A/T models)
E2	B12	W/8	: A/T mode switch (ZD engine A/T models with A/T mode switch)
C2	B13	W/6	: Rear cooler switch
D3	B14	W/6	: Rear fan switch
F2	B15	W/3	: Heated seat RH
F2	B16	W/3	: Seat belt buckle switch
F2	B17	W/2	: Power seat (Driver side)
G3	B18	W/6	: Rear heater unit
F2	B19	SMJ	: To <b>W20</b>
F3	B20	B/3	: Front door switch (Driver side)
F2	B21	W/18	: To <b>D61</b>
F3	B22	Y/2	: Seat belt pre-tensioner (Driver side)
E3	B23	-	: Body ground
E3	B24	B/3	: Rear door switch RH
E1	B25	W/12	: A/T device (TB48 engine A/T models)
D3	B26	W/16	: CD auto changer (Located in the luggage room)
D2	B27	B/8	: Rear wiper amp.
C3	B28	BR/1	: To <b>D102</b>
C3	B29	W/6	: To <b>D101</b>
C3	B30	BR/6	: Rear combination lamp RH
F1	B44	Y/12	: Air bag diagnosis sensor unit
F2	B45	Y/12	: Air bag diagnosis sensor unit
E3	B46	Y/2	: Side air bag module RH
D1	B47	Y/2	: Side air bag module LH
E3	B48	Y/2	: Satellite sensor RH
E3	B49	-	: Body ground
C2	B50	Y/2	: Satellite sensor LH
D2	B51	-	: Body ground
F3	B52	W/2	: Diode-1 } (A/T models)
F3	B53	W/2	: Diode-2 }
F1	B57	W/8	: Snow mode switch (TB48 engine A/T models with snow mode switch)
C2	B60	W/8	: Woofer (With 7-speakers)



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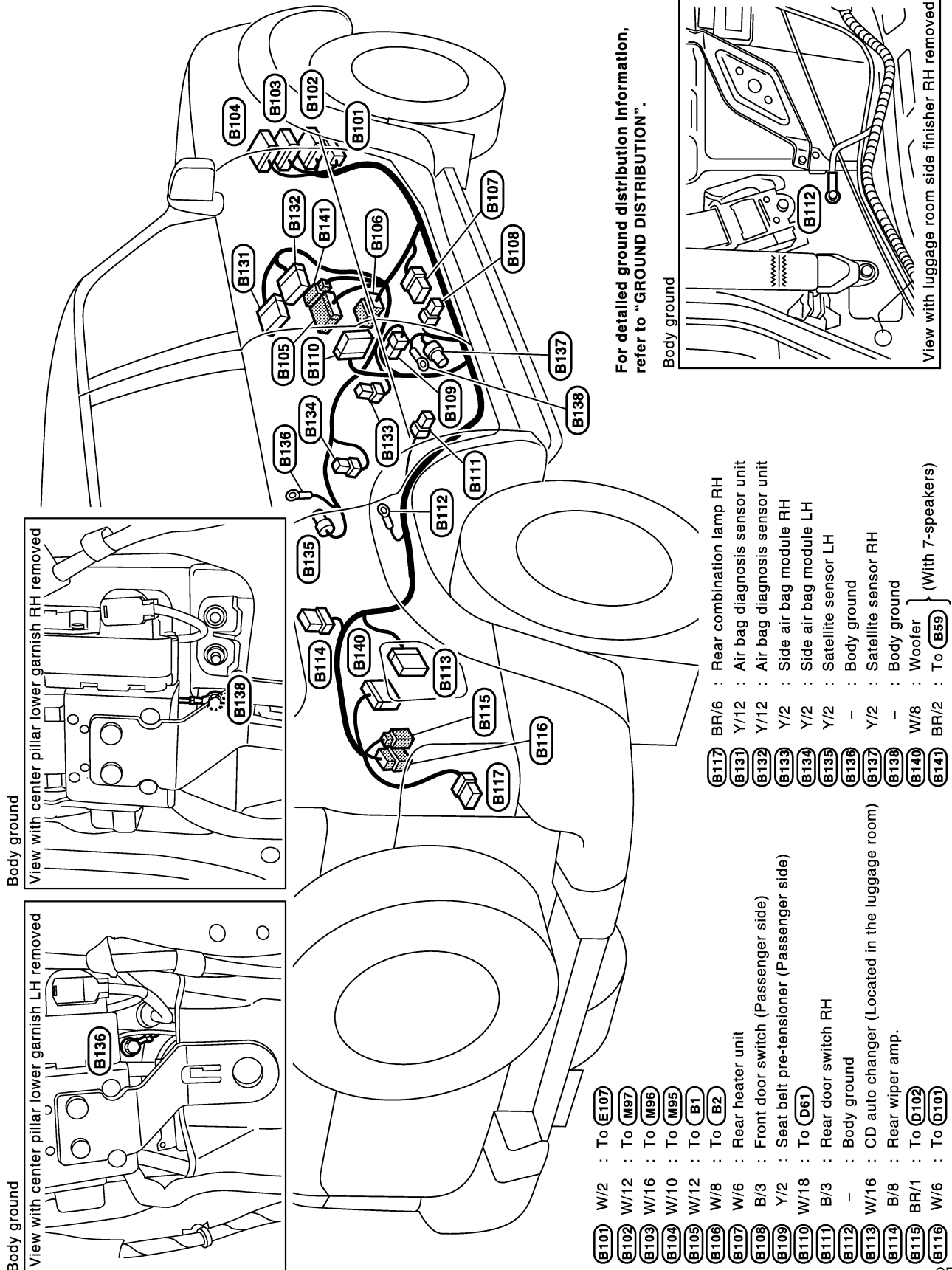
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## Body No. 2 Harness/LHD Models

### WAGON



- B101 W/2 : To E107
- B102 W/12 : To M97
- B103 W/16 : To M96
- B104 W/10 : To M95
- B105 W/12 : To B1
- B106 W/8 : To B2
- B107 W/6 : Rear heater unit
- B108 B/3 : Front door switch (Passenger side)
- B109 Y/2 : Seat belt pre-tensioner (Passenger side)
- B110 W/18 : To D61
- B111 B/3 : Rear door switch RH
- B112 - : Body ground
- B113 W/16 : CD auto changer (Located in the luggage room)
- B114 B/8 : Rear wiper amp.
- B115 BR/1 : To D102
- B116 W/6 : To Q101

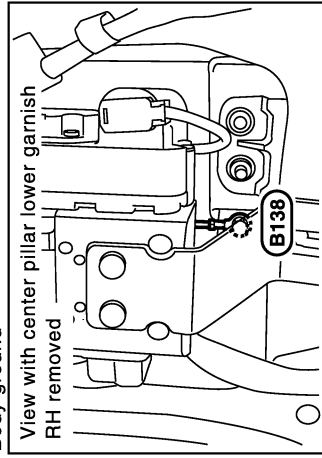
- B117 BR/6 : Rear combination lamp RH
- B131 Y/12 : Air bag diagnosis sensor unit
- B132 Y/12 : Air bag diagnosis sensor unit
- B133 Y/2 : Side air bag module RH
- B134 Y/2 : Side air bag module LH
- B135 Y/2 : Satellite sensor LH
- B136 - : Body ground
- B137 Y/2 : Satellite sensor RH
- B138 - : Body ground
- B140 W/8 : Woofer
- B141 BR/2 : To B59 } (With 7-speakers)

# HARNESS LAYOUT/WAGON AND HARDTOP MODELS

## Body No. 2 Harness/LHD Models (Cont'd)

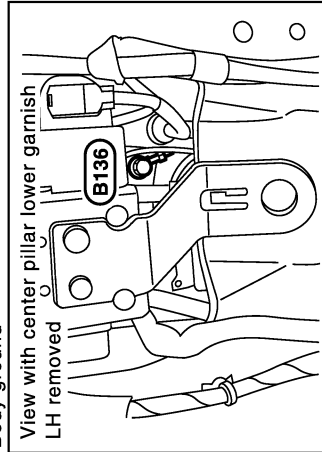
### HARDTOP

Body ground

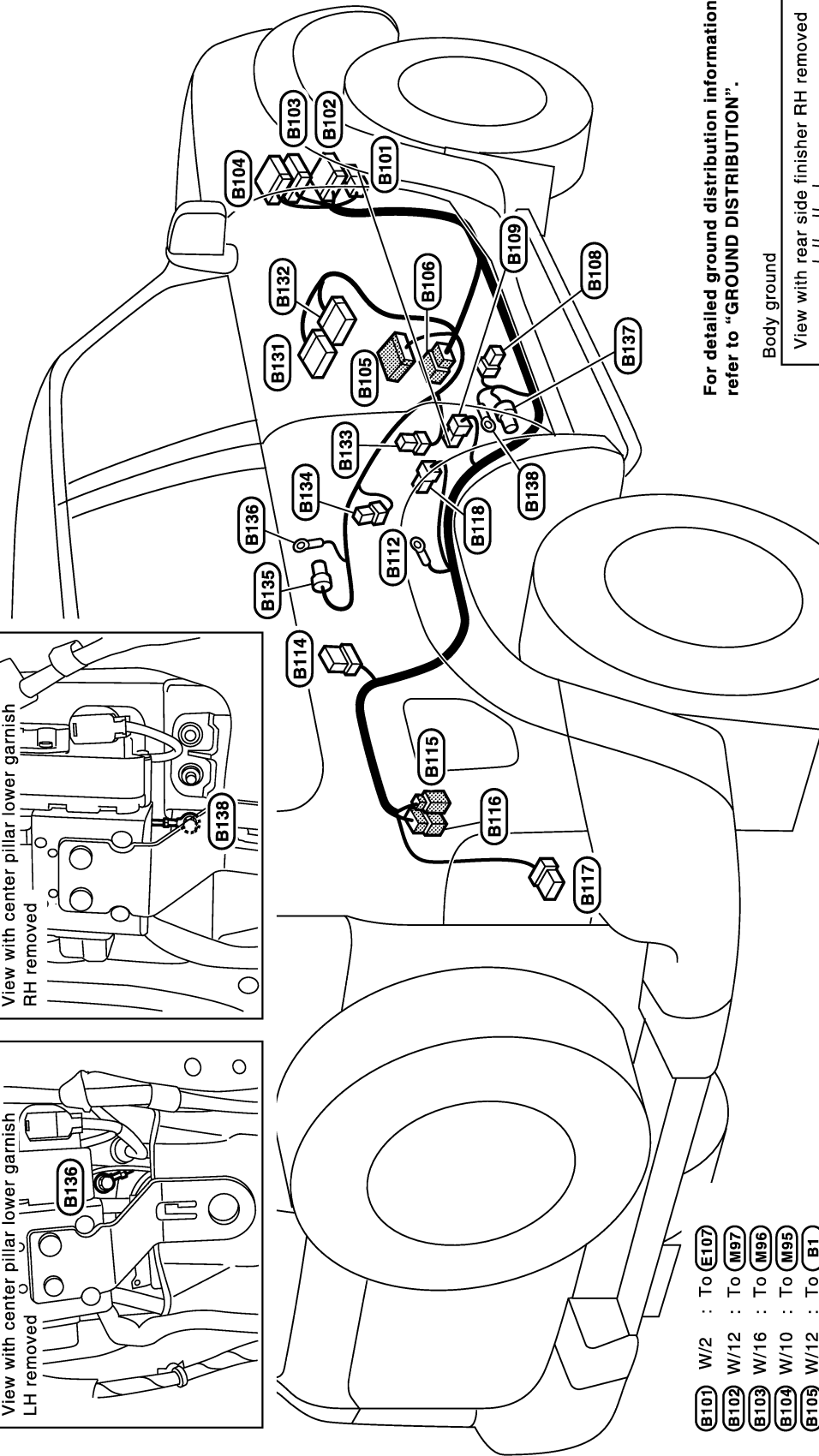


View with center pillar lower garnish RH removed

Body ground

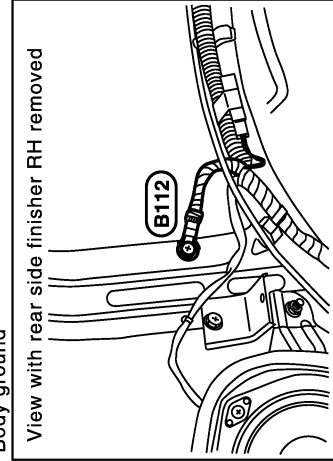


View with center pillar lower garnish LH removed



For detailed ground distribution information, refer to "GROUND DISTRIBUTION".

Body ground



View with rear side finisher RH removed

- (B101)** W/2 : To **(E107)**
- (B102)** W/12 : To **(M97)**
- (B103)** W/16 : To **(M96)**
- (B104)** W/10 : To **(M95)**
- (B105)** W/12 : To **(B1)**
- (B106)** W/8 : To **(B2)**
- (B108)** B/3 : Front door switch (Passenger side)
- (B109)** Y/2 : Seat belt pre-tensioner (Passenger side)
- (B112)** - : Body ground
- (B114)** B/8 : Rear wiper amp.
- (B115)** BR/1 : To **(D102)**
- (B116)** W/6 : To **(D101)**
- (B117)** BR/6 : Rear combination lamp RH
- (B118)** BR/2 : Rear speaker RH

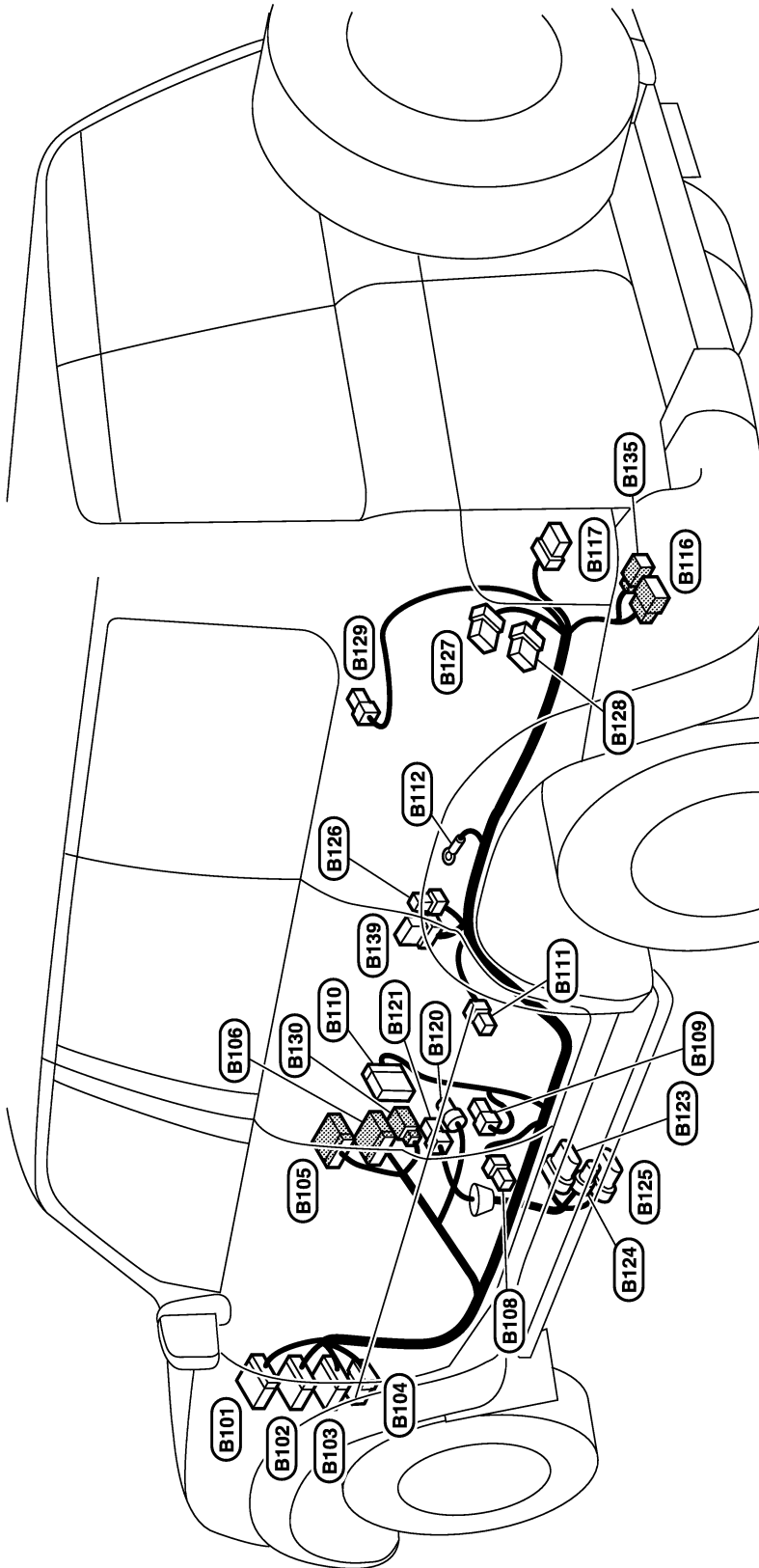
- (B131)** Y/12 : Air bag diagnosis sensor unit
- (B132)** Y/12 : Air bag diagnosis sensor unit
- (B133)** Y/2 : Side air bag module RH
- (B134)** Y/2 : Side air bag module LH
- (B135)** Y/2 : Satellite sensor LH
- (B136)** - : Body ground
- (B137)** Y/2 : Satellite sensor RH
- (B138)** - : Body ground

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# HARNESS LAYOUT/WAGON AND HARDTOP MODELS

## Body No. 2 Harness/RHD Models

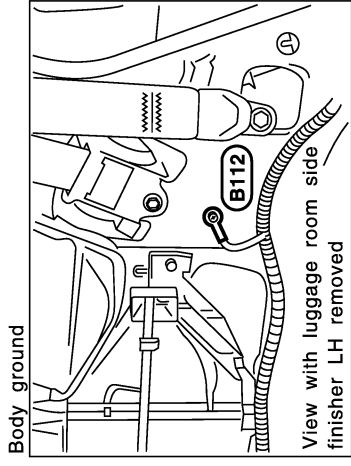
### WAGON



- B101 W/16 : To M95
- B102 W/20 : To M96
- B103 W/16 : To M97
- B104 W/6 : To M99
- B105 W/12 : To B1
- B106 W/10 : To B2
- B108 B/3 : Front door switch (Passenger side)
- B109 Y/2 : Seat belt pre-tensioner (Passenger side)
- B110 W/18 : To D41
- B111 B/3 : Rear door switch LH
- B112 - : Body ground
- B116 W/6 : To D81
- B117 BR/6 : Rear combination lamp LH
- B120 BR/2 : G sensor (For Europe with ABS)
- B121 GY/2 : G sensor (With ABS)

- B123 GY/8 : To C1
- B124 SB/4 : To C3
- B125 SB/8 : To C2
- B126 L/4 : Power socket relay
- B127 W/8 : Rear cooler unit
- B128 B/6 : Rear cooler unit
- B129 B/2 : Rear power socket
- B130 W/4 : To B3
- B135 W/4 : To D87 (With theft warning system)
- B139 BR/6 : Multi-remote control relay (With theft warning system)

For detailed ground distribution information, refer to "GROUND DISTRIBUTION".

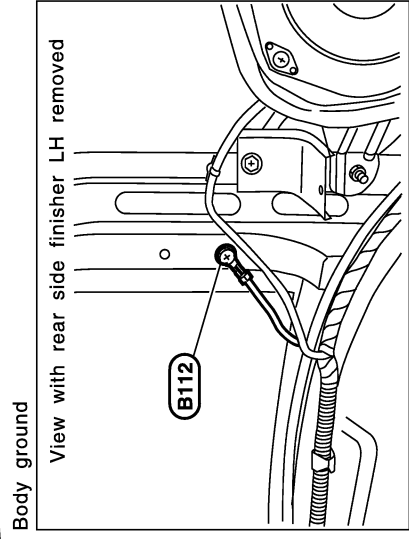
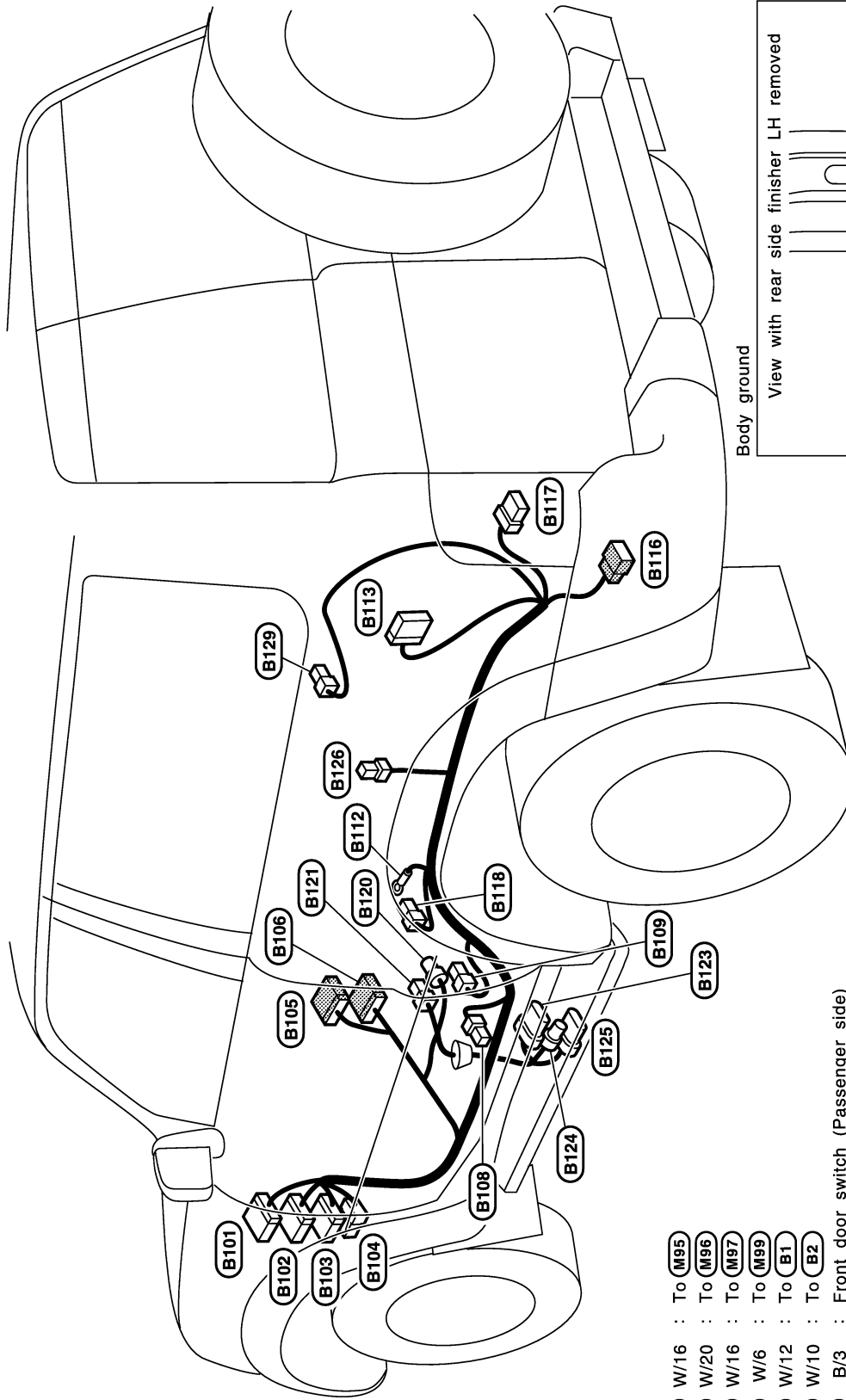


# HARNESS LAYOUT/WAGON AND HARDTOP MODELS

## Body No. 2 Harness/RHD Models (Cont'd)

HARDTOP

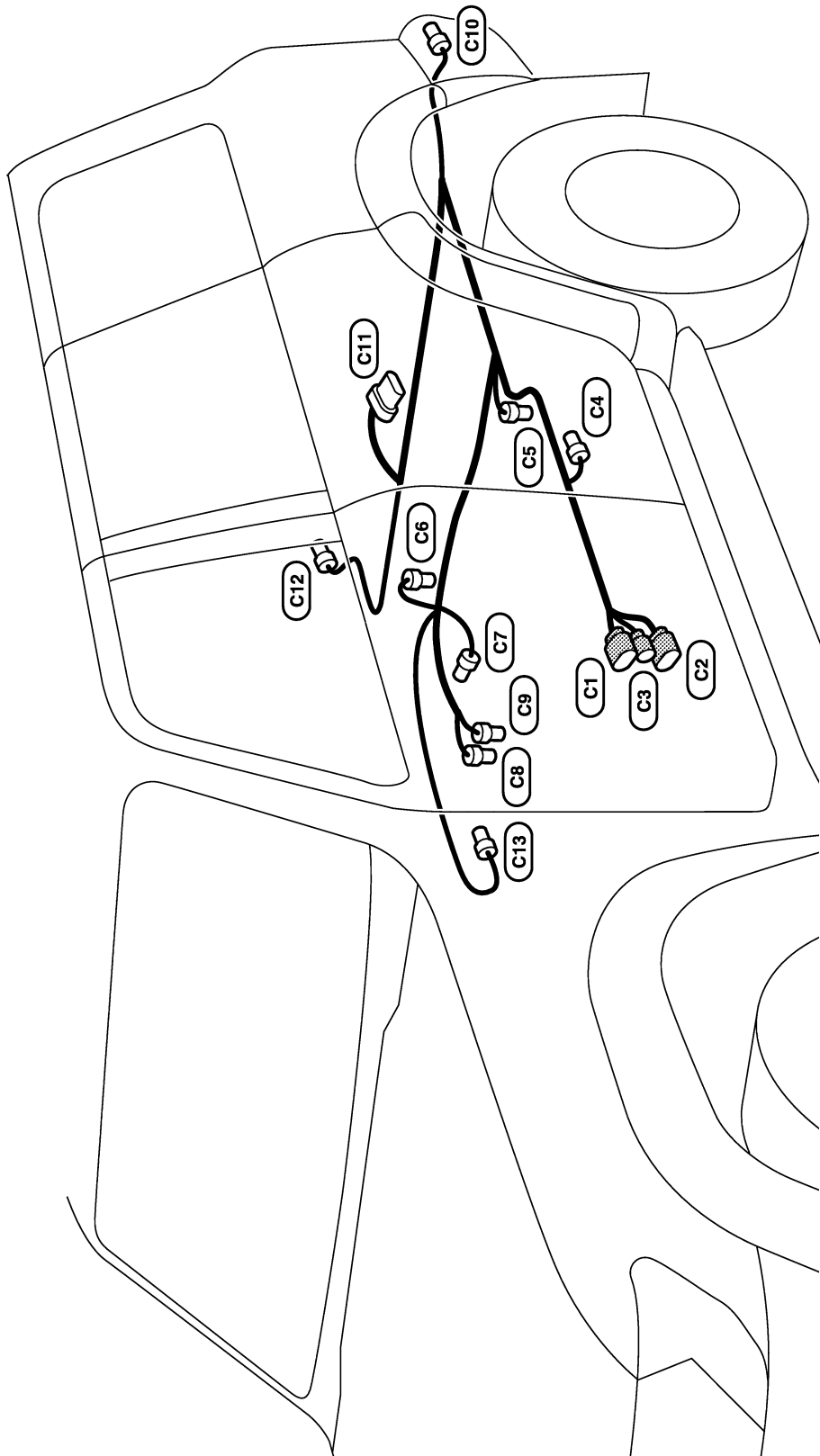
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- (B101) W/16 : To (M95)
- (B102) W/20 : To (M96)
- (B103) W/16 : To (M97)
- (B104) W/6 : To (M99)
- (B105) W/12 : To (B1)
- (B106) W/10 : To (B2)
- (B108) B/3 : Front door switch (Passenger side)
- (B109) Y/2 : Seat belt pre-tensioner (Passenger side)
- (B111) - : Body ground
- (B112) W/16 : CD auto changer (Located in the luggage room)
- (B116) W/6 : To (D81)
- (B117) BR/6 : Rear combination lamp LH
- (B118) BR/2 : Rear speaker LH
- (B120) BR/2 : G sensor (For Europe with ABS)
- (B121) GY/2 : G sensor (With ABS)
- (B123) GY/8 : To (C1)
- (B124) SB/4 : To (C3)
- (B125) SB/8 : To (C2)
- (B126) L/4 : Power socket relay
- (B129) B/2 : Rear power socket

For detailed ground distribution information, refer to "GROUND DISTRIBUTION".

## Chassis Harness



- C1** GY/8 : To **(B35)** (LHD models)  
To **(B123)** (RHD models)
- C2** SB/8 : To **(B37)** (LHD models)  
To **(B125)** (RHD models)
- C3** GY/4 : To **(B36)** (LHD models)  
To **(B124)** (RHD models)
- C4** B/3 : Stabilizer actuator  
(ZD engine models with stabilizer release device)
- C5** BR/2 : Rear wheel sensor LH

- C6** GY/2 : Rear wheel sensor RH
- C7** BR/2 : Diff lock indicator switch
- C8** GY/3 : Sub fuel tank gauge unit
- C9** GY/2 : Sub fuel tank gauge unit
- C10** SB/4 : Rear bumper combination lamp LH
- C11** GY/6 : Fuel tank gauge unit
- C12** SB/4 : Rear bumper combination lamp RH
- C13** B/3 : Stabilizer actuator (TB48 engine models with stabilizer release device)



## Back Door Harness and Rear Window Defogger Harness

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### BACK DOOR HARNESS LH

- D81 W/6 : To B29 (LHD models)  
To B119 (RHD models)
- D82 W/2 : License plate lamp
- D83 - : Body ground
- D84 BR/1 : To D133
- D85 B/3 : Back door switch LH
- D86 GY/4 : Back door lock actuator
- D87 W/4 : To B55 (LHD models)  
To B135 (RHD models)  
(With theft warning system)
- D88 BR/3 : Back door key cylinder switch

### BACK DOOR HARNESS RH

- D101 W/6 : To B119 (LHD models)  
To B29 (RHD models)
- D102 BR/1 : To B119 (LHD models)  
To B28 (RHD models)
- D103 BR/1 : To D121
- D104 W/2 : High-mounted stop lamp
- D105 W/4 : Rear wiper motor
- D106 - : Body ground
- D107 W/3 : Back door switch RH

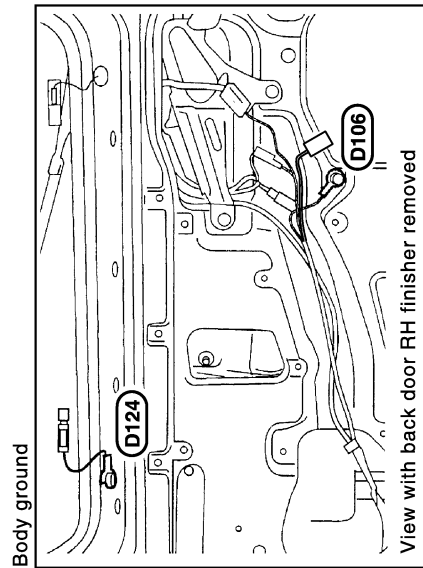
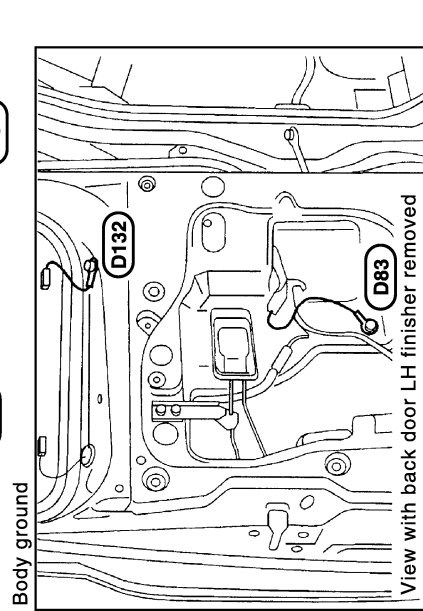
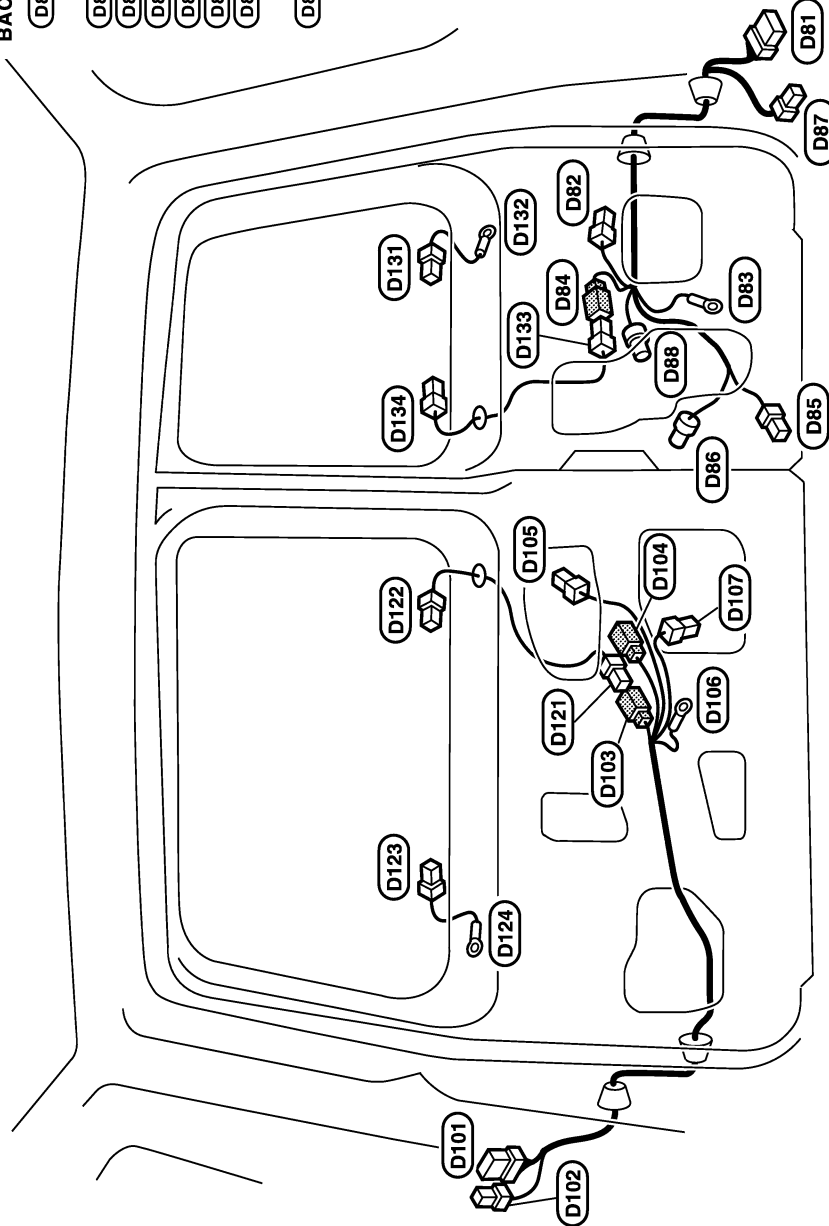
### REAR DEFOGGER HARNESS RH

- D121 BR/1 : To D103
- D122 B/1 : Rear window defogger RH (+)
- D123 B/1 : Rear window defogger RH (-)
- D124 - : Body ground

### REAR DEFOGGER HARNESS LH

- D131 B/1 : Rear window defogger LH (-)
- D132 - : Body ground
- D133 BR/1 : To D84
- D129 B/1 : Rear window defogger LH (+)

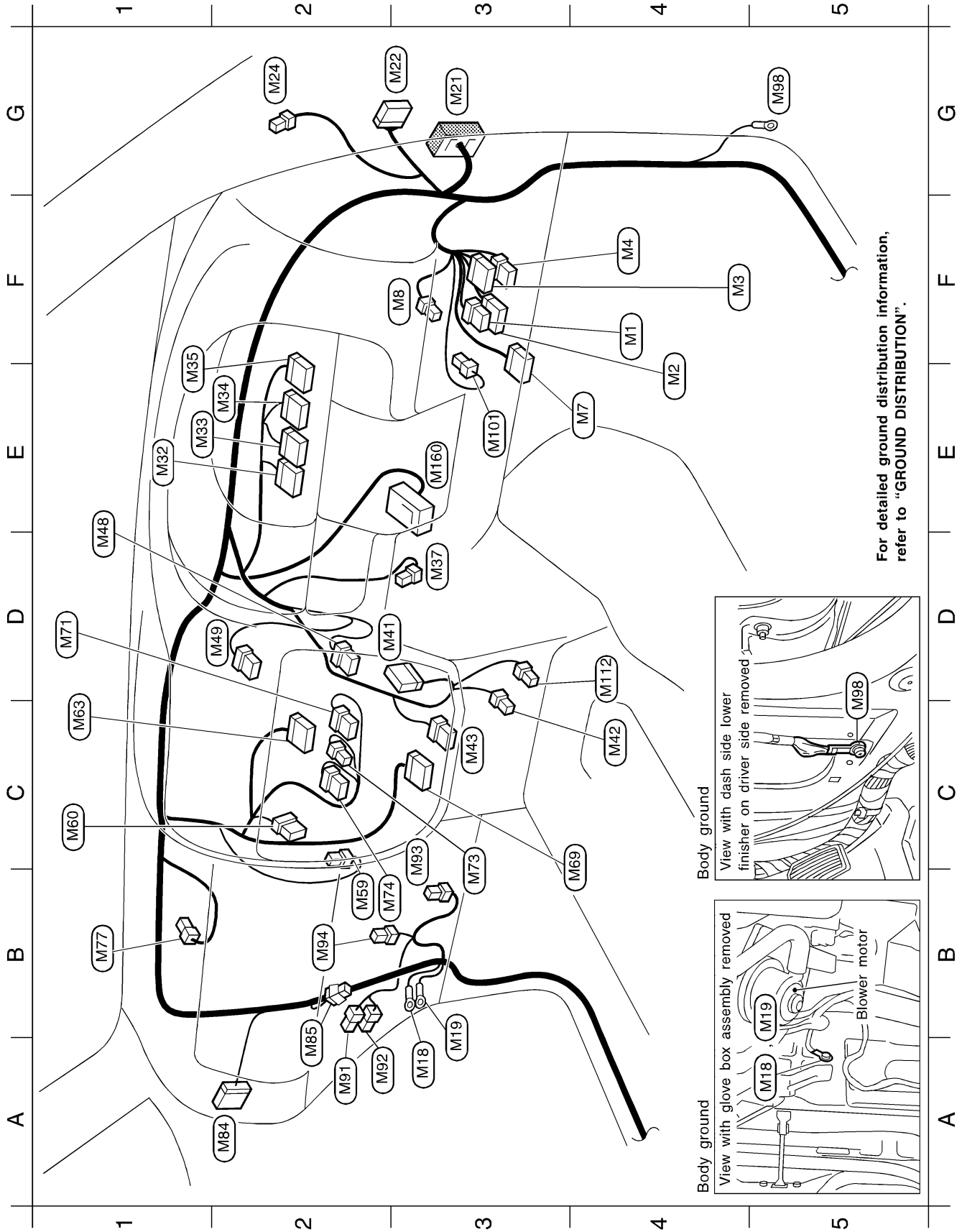
For detailed ground distribution information, refer to "GROUND DISTRIBUTION".



# HARNESS LAYOUT/PICKUP MODELS

## Main Harness

### INSTRUMENT PANEL

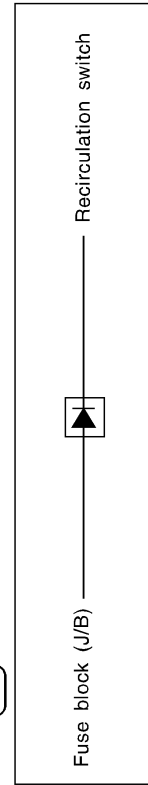


# HARNESS LAYOUT/PICKUP MODELS

## Main Harness (Cont'd)

F4	(M1)	W/8	: Fuse block (J/B)	D1	(M71)	W/6	: Fan switch
E4	(M2)	BR/16	: Fuse block (J/B)	C3	(M73)	W/3	: Fan switch illumination
F4	(M3)	GY/16	: Fuse block (J/B)	B2	(M74)	W/8	: Recirculation switch, A/C switch
F4	(M4)	GY/8	: Fuse block (J/B)	B1	(M77)	W/4	: Intake door motor
E4	(M7)	GY/14	: Data link connector	A2	(M84)	W/18	: To (D21)
F3	(M8)	L/4	: ECM relay	A2	(M85)	W/2	: Diode
A3	(M18)	-	: Body ground	A2	(M91)	L/4	: Power window relay
A3	(M19)	-	: Body ground	A2	(M92)	W/2	: Circuit breaker-1
G3	(M21)	SMJ	: To (E127)	C3	(M93)	BR/4	: Blower resistor
G3	(M22)	W/18	: To (D1)	B2	(M94)	W/2	: Blower motor
G2	(M24)	W/4	: To (R1)	G5	(M98)	-	: Body ground
E1	(M32)	W/10	: Combination meter	E3	(M101)	B/2	: Stop lamp switch
E1	(M33)	BR/16	: Combination meter	D4	(M112)	B/1	: Cigarette lighter illumination
E2	(M34)	W/16	: Combination meter	E3	(M160)	SMJ	: ECM
E1	(M35)	W/10	: Combination meter				
D3	(M37)	B/3	: Combination flasher unit				
D2	(M41)	W/18	: Smart entrance control unit				
C4	(M42)	B/2	: Cigarette lighter				
C3	(M43)	W/8	: Not used				
D1	(M48)	BR/6	: Sub fuel tank switch				
D2	(M49)	W/8	: Hazard switch				
B2	(M59)	W/3	: Thermo control amp.				
C1	(M60)	L/6	: Power antenna switch				
C1	(M63)	W/10	: Radio or radio and cassette player (Option)				
C4	(M69)	BR/16	: Sub fuel tank control unit				

Diode (M85)



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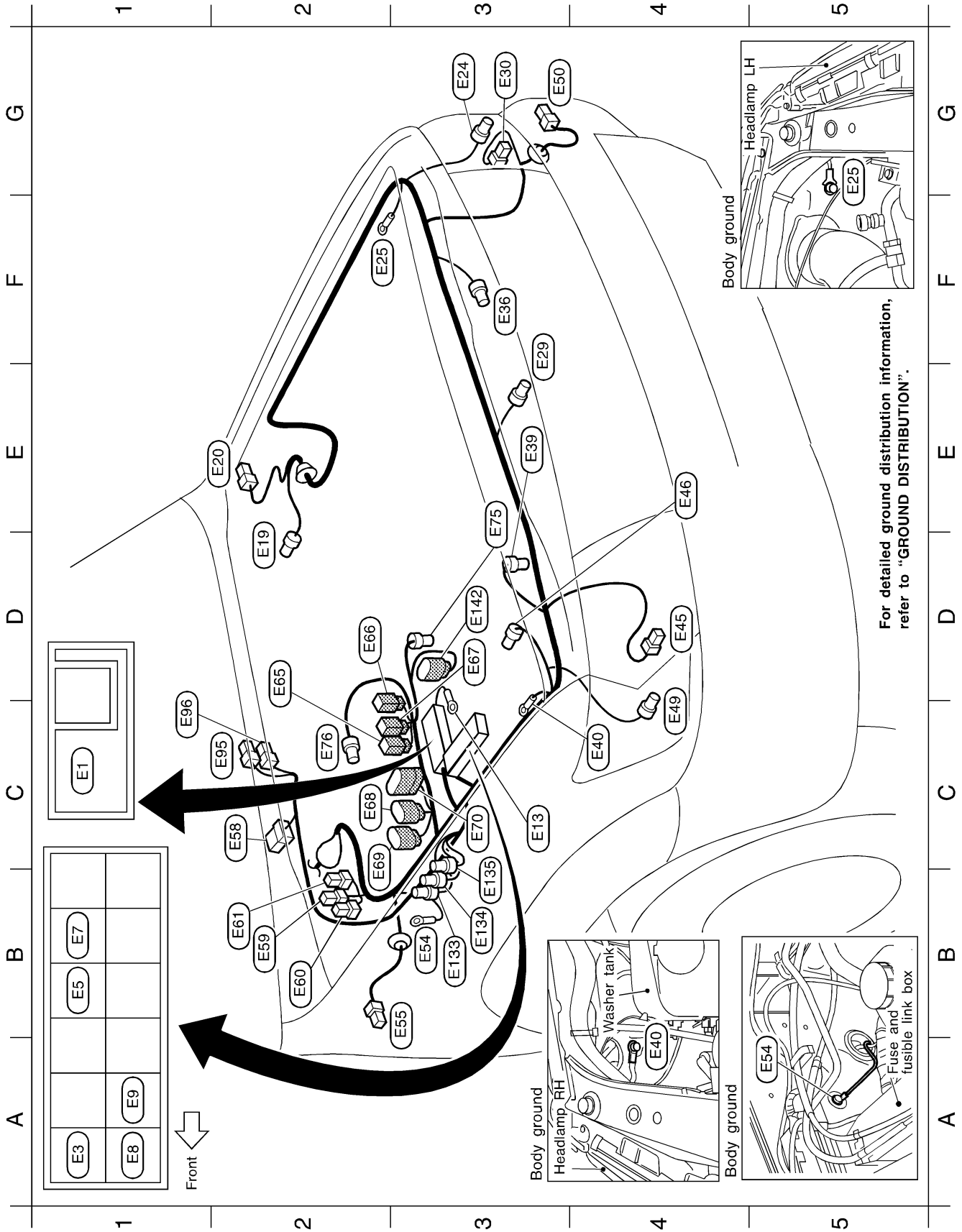
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# HARNESS LAYOUT/PICKUP MODELS

## Engine Room Harness

### ENGINE COMPARTMENT



# HARNES LAYOUT/PICKUP MODELS

## Engine Room Harness (Cont'd)

C1	(E1)	—	: Fuse and fusible link box	C4	(E49)	GY/4	: Front combination lamp RH
A1	(E3)	B/5	: Transfer neutral relay	G3	(E50)	B/1	: Horn
B1	(E5)	L/4	: Air conditioner relay	B3	(E54)	—	: Body ground
B1	(E7)	L/4	: Bulb check relay	B3	(E55)	B/2	: Side turn signal lamp RH
A1	(E8)	L/4	: Cooling fan relay-1	C2	(E58)	W/6	: Front wiper motor
A1	(E9)	W/3	: Horn relay	B2	(E59)	G/2	: Glow relay-1
C3	(E13)	—	: Battery (+)	B2	(E60)	W/1	: Glow relay-1
D2	(E19)	GY/4	: Power antenna	B2	(E61)	W/1	: Glow relay-1
E2	(E20)	B/2	: Side turn signal lamp LH	D2	(E65)	B/2	: To (E204)
G3	(E24)	GY/4	: Front combination lamp LH	D2	(E66)	L/2	: To (E203)
F2	(E25)	—	: Body ground	D3	(E67)	R/2	: To (E223)
F3	(E29)	B/2	: Intake air temperature sensor	C2	(E68)	GY/8	: To (E222)
G3	(E30)	B/3	: Headlamp LH	C2	(E69)	B/8	: To (E202)
F3	(E36)	GY/4	: Cooling fan motor-1	C3	(E70)	GY/10	: To (E201)
E3	(E39)	B/2	: Dual-pressure switch	E3	(E75)	BR/2	: Fuel filter switch
C4	(E40)	—	: Body ground	C2	(E76)	GY/2	: Brake fluid level switch
D4	(E45)	B/3	: Headlamp RH	C2	(E95)	B/1	: IACV-FICD solenoid valve
E4	(E46)	GY/2	: Front washer motor	C1	(E96)	B/1	: IACV-FICD solenoid valve
				B3	(E139)	BR/2	: EGRC-solenoid valve
				B3	(E134)	B/2	: Throttle control solenoid valve-A
				B3	(E135)	B/2	: Throttle control solenoid valve-B
				D3	(E142)	GY/6	: To (E250)

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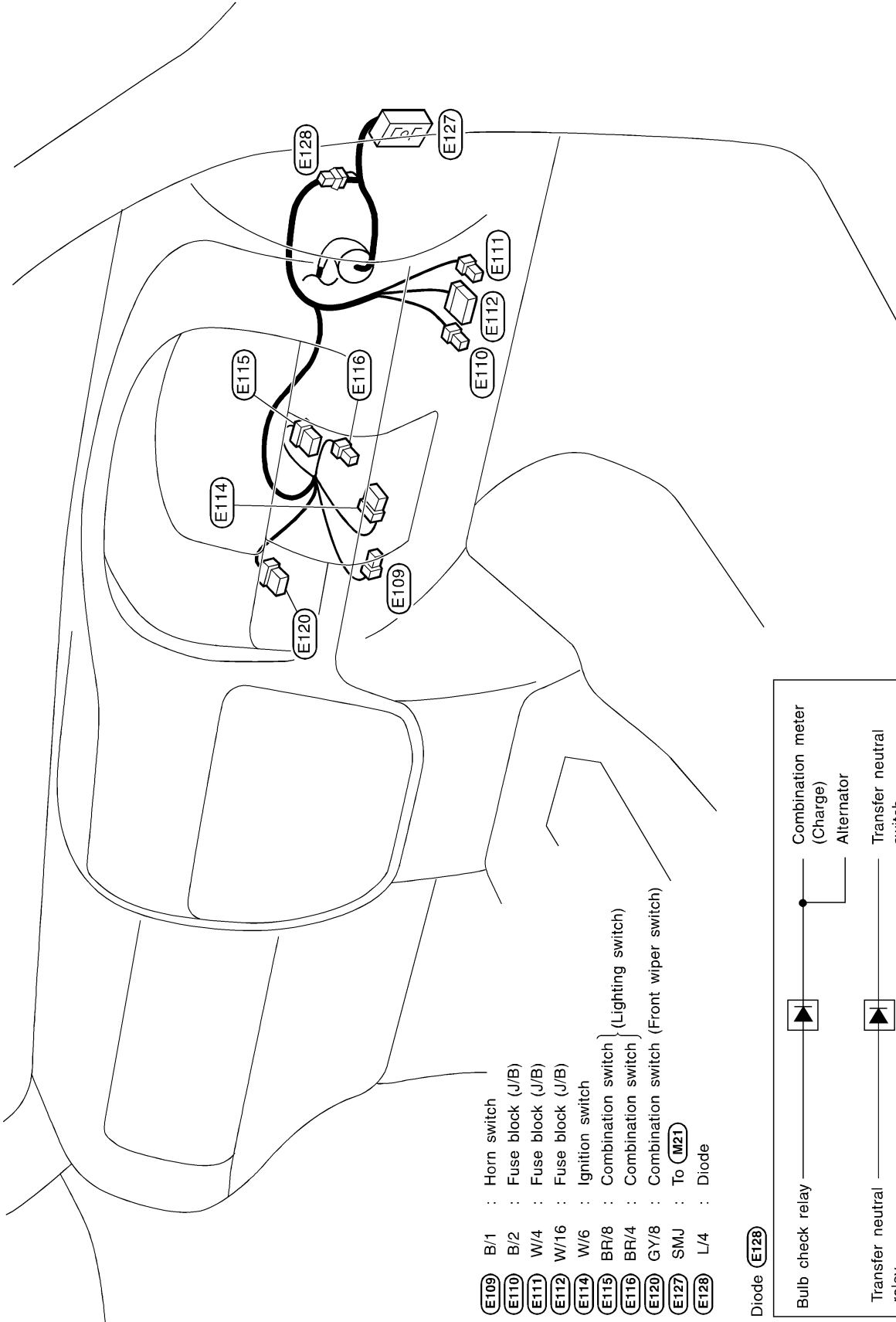
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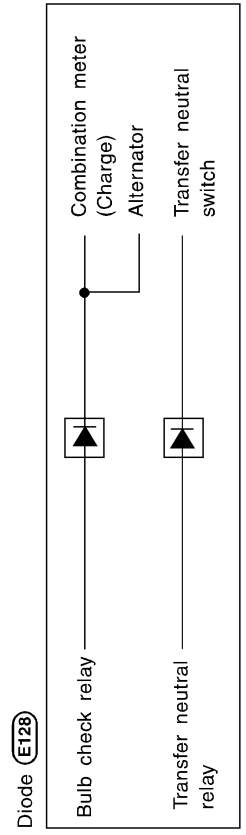
# HARNESS LAYOUT/PICKUP MODELS

## Engine Room Harness (Cont'd)

### PASSENGER COMPARTMENT

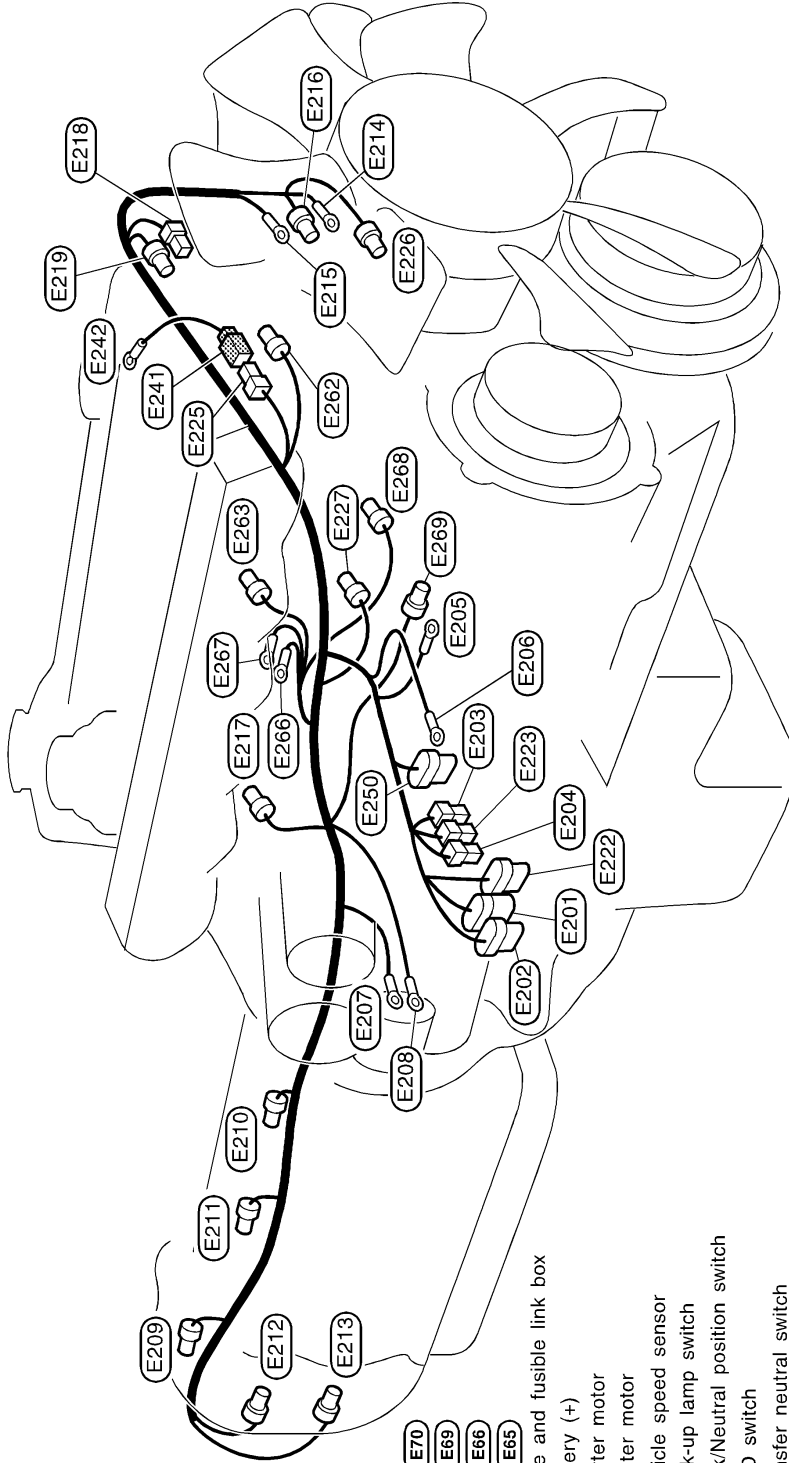


- E109** : Horn switch
- E110** : Fuse block (J/B)
- E111** : Fuse block (J/B)
- E112** : Fuse block (J/B)
- E114** : Ignition switch
- E115** : Combination switch (Lighting switch)
- E116** : Combination switch
- E120** : Combination switch (Front wiper switch)
- E127** : To (M21)
- E128** : Diode



## Engine Harness

TD42Ti ENGINE



### Engine harness

<b>E201</b>	GY/10	: To <b>E70</b>
<b>E202</b>	GY/8	: To <b>E69</b>
<b>E203</b>	L/2	: To <b>E66</b>
<b>E204</b>	B/2	: To <b>E65</b>
<b>E205</b>	-	: Fuse and fusible link box
<b>E206</b>	-	: Battery (+)
<b>E207</b>	-	: Starter motor
<b>E208</b>	-	: Starter motor
<b>E209</b>	GY/2	: Vehicle speed sensor
<b>E210</b>	GY/2	: Back-up lamp switch
<b>E211</b>	B/2	: Park/Neutral position switch
<b>E212</b>	GY/2	: 4WD switch
<b>E213</b>	BR/2	: Transfer neutral switch
<b>E214</b>	-	: Alternator
<b>E215</b>	-	: Alternator
<b>E216</b>	GY/2	: Alternator
<b>E217</b>	GY/1	: Oil pressure switch
<b>E218</b>	B/1	: Thermal transmitter
<b>E219</b>	GY/2	: Engine coolant temperature sensor
<b>E222</b>	SB/8	: To <b>E68</b>
<b>E223</b>	R/2	: To <b>E67</b>
<b>E225</b>	B/1	: To <b>E241</b>
<b>E226</b>	B/1	: Compressor
<b>E227</b>	GY/2	: Fuel cut solenoid valve
<b>E250</b>	GY/6	: To <b>E142</b>
<b>E262</b>	B/3	: Crankshaft position sensor (TDC)
<b>E263</b>	BR/2	: Needle lift sensor
<b>E266</b>	-	: Engine ground

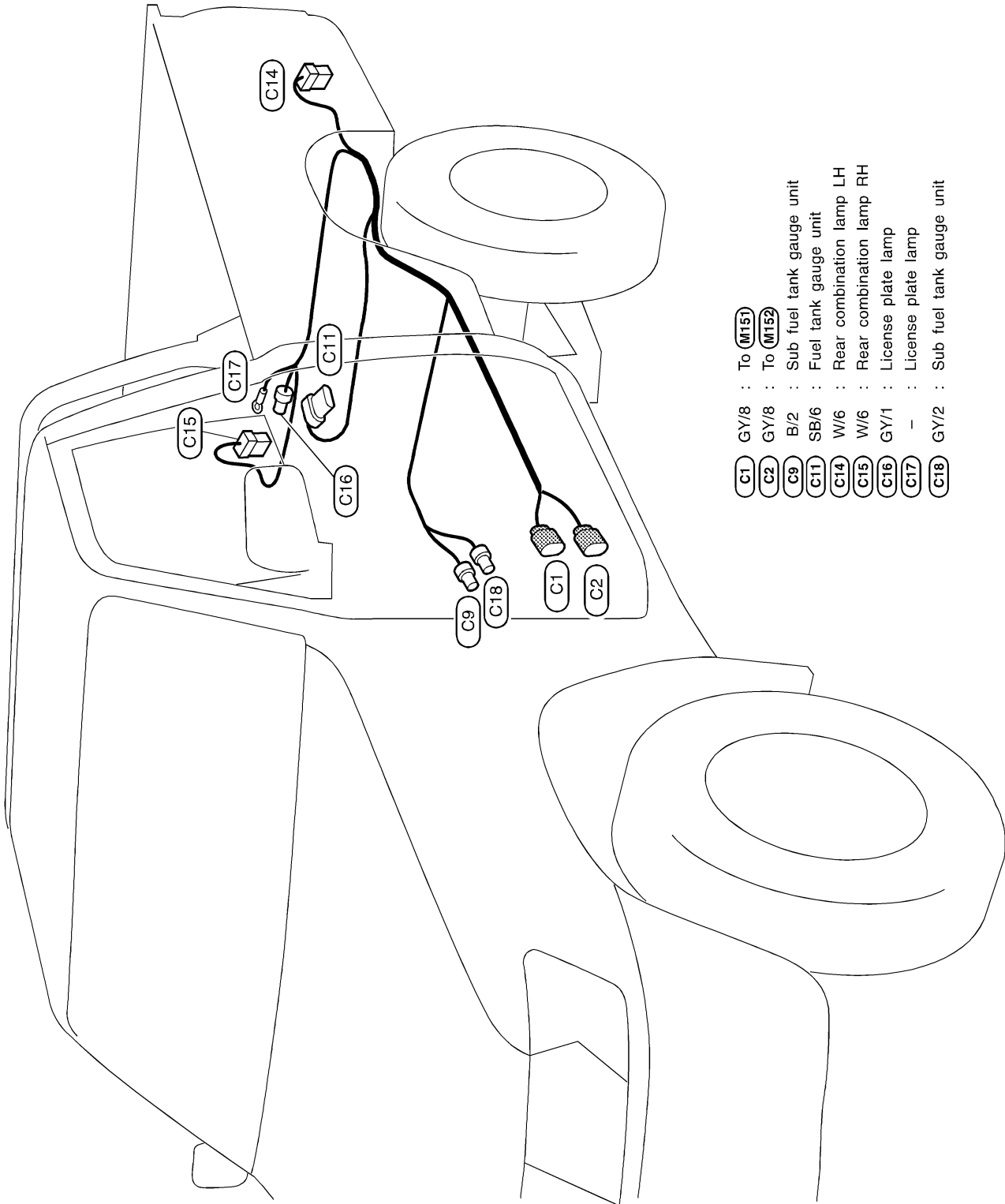
**E267** - : Engine ground  
**E268** GY/3 : Accelerator pedal position sensor  
**E269** B/2 : Injection timing control valve

### Glow sub-harness

**E241** B/1 : To **E225**  
**E242** - : Glow plug

GI  
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**EL**  
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 IDX

## Chassis Harness





# WIRING DIAGRAM CODES (CELL CODES)

## Wiring Diagram Codes (Cell Codes)

Use the chart below to find out what each wiring diagram code stands for.

Refer to the wiring diagram code in the alphabetical index to find the location (Page number) of each wiring diagram.

Code	Section	Wiring Diagram Name
A/C, A	HA	Auto Air Conditioner
A/C, M	HA	Manual Air Conditioner
A/T	AT	A/T
ABS	BR	Anti-lock Brake System
APPS1	EC	Accelerator Pedal Position Sensor
APPS2	EC	Accelerator Pedal Position Sensor
APPS3	EC	Accelerator Pedal Position Sensor
APS	EC	Accelerator Position Sensor
ASCD	EL	Automatic Speed Control Device
AT/IND	EL	A/T Indicator Lamp
AUDIO	EL	Audio
BACK/L	EL	Back-up Lamp
BRK/SW	EC	Brake Switch Signal
CAN	AT	CAN Communication Line
CAN	EC	CAN Communication Line
CAN	EL	CAN Communication Line
CD/CHG	EL	CD Auto Changer
CHARGE	EL	Charging System
CHIME	EL	Warning Chime
CIGAR	EL	Cigarette Lighter
CKPS	EC	Crankshaft Position Sensor
CLOCK	EL	Clock
CMPS	EC	Camshaft Position Sensor
COMPAS	EL	Compass and Thermometer
COOL/F	EC	Cooling Fan Control
D/C	AT	Direct Clutch Solenoid Valve
D/CF	AT	Direct Clutch Solenoid Valve
D/LOCK	EL	Power Door Lock
DEF	EL	Rear Window Defogger
DEICER	EL	Wiper Deicer
DIFF/L	PD	Differential Lock
DLC	EC	Data Link Connector
DTRL	EL	Headlamp — Daytime Light System
E/BRE	AT	A/T 1st Engine Braking
ECMRLY	EC	ECM Relay
ECTS	EC	Engine Coolant Temperature Sensor
EGRC/V	EC	EGRC-Solenoid Valve and Throttle Control Solenoid Valve

Code	Section	Wiring Diagram Name
EGVC/V	EC	EGR Volume Control Valve
ETC1	EC	Throttle Control Motor
ETC2	EC	Throttle Control Motor
ETC3	EC	Throttle Control Motor
F/FOG	EL	Front Fog Lamp
F/PUMP	EC	Fuel Pump
FCUT	EC	Fuel Cut System
FICD	EC	IACV-FICD Solenoid Valve
FPSW1	AT	ATF Pressure Switch 1
FPSW3	AT	ATF Pressure Switch 3
FPSW5	AT	ATF Pressure Switch 5
FPSW6	AT	ATF Pressure Switch 6
FR/B	AT	Front Brake Solenoid Valve
FR/BF	AT	Front Brake Solenoid Valve
FTS	AT	A/T Fluid Temperature Sensor Circuit
FUELB1	EC	Fuel Injection System Function (Bank 1)
FUELB2	EC	Fuel Injection System Function (Bank 2)
GLOW	EC	Quick Glow System
H/AIM	EL	Headlamp Aiming Control System
H/LAMP	EL	Headlamp
HLC	EL	Headlamp Washer
HLR/C	AT	High and Low Reverse Clutch Solenoid Valve
HLR/CF	AT	High and Low Reverse Clutch Solenoid Valve
I/C	AT	Input Clutch Solenoid Valve
I/CF	AT	Input Clutch Solenoid Valve
I/LOCK	AT	A/T Interlock
IATS	EC	Intake Air Temperature Sensor
IGNSYS	EC	Ignition Signal
ILL	EL	Illumination
INJECT	EC	Injector
INJPMP	EC	Electronic Control Fuel Injection Pump
INT/V	EC	Intake Air Control Valve Control Solenoid Valve
IVC	EC	Intake Valve Timing Control Solenoid Valve

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 BT  
 HA  
 EL  
 SE  
 IDX

## WIRING DIAGRAM CODES (CELL CODES)

### Wiring Diagram Codes (Cell Codes) (Cont'd)

Code	Section	Wiring Diagram Name
KS	EC	Knock Sensor
LC/B	AT	Low Coast Brake Solenoid Valve
LC/BF	AT	Low Coast Brake Solenoid Valve
LOAD	EC	Electrical Load Signal
LPSV	AT	Line Pressure Solenoid Valve
MAFS	EC	Mass Air Flow Sensor
MAIN	EC	Main Power Supply and Ground Circuit
METER	EL	Meter and Gauges
MIL	EC	Malfunction Indicator Lamp
MMSW	AT	Manual Mode Switch
MULTI	EL	Multi-remote Control System
NATS	EL	Nissan Anti-Theft System
NLS	EC	Needle Lift Sensor
NONDTC	AT	Non-detective Items
O2H1B1	EC	Heated Oxygen Sensor 1 Heater (B1) (Front)
O2H1B2	EC	Heated Oxygen Sensor 1 Heater (B2) (Front)
O2H2B1	EC	Heated Oxygen Sensor 2 Heater (B1) (Rear)
O2H2B2	EC	Heated Oxygen Sensor 2 Heater (B2) (Rear)
O2S1B1	EC	Heated Oxygen Sensor 1 (B1) (Front)
O2S1B2	EC	Heated Oxygen Sensor 1 (B2) (Front)
O2S2B1	EC	Heated Oxygen Sensor 2 (B1) (Rear)
O2S2B2	EC	Heated Oxygen Sensor 2 (B2) (Rear)
OILP/W	EC	Engine Oil Pressure Warning System
PGC/V	EC	EVAP Canister Purge Volume Control Solenoid Valve
PNP/SW	AT	Park/Neutral Position Switch
PNP/SW	EC	Park/Neutral Position Switch
POWER	AT	Transmission Control Module (Power Supply)
POWER	EC	ECM Power Supply For Back-up
POWER	EL	Power Supply Routing
PS/SEN	EC	Power Steering Pressure Sensor
R/COOL	HA	Rear Cooler System
R/FOG	EL	Rear Fog Lamp
ROOM/L	EL	Interior Room Lamp
RP/SEN	EC	Refrigerant Pressure Sensor
S/LOCK	EL	Power Door Lock - Super Lock -

Code	Section	Wiring Diagram Name
S/SIG	EC	Start Signal
S/TANK	FE	Sub Fuel Tank Control System
SEN/PW	EC	Sensor Power Supply
SHIFT	AT	A/T Shift Lock System
SRS	RS	Supplemental Restraint System
STAB	RA	Stabilizer Release Device
START	EL	Starting System
STSIG	AT	Start Signal Circuit
TAIL/L	EL	Parking, License and Tail Lamps
TCCSIG	AT	A/T TCC Signal (Lock Up)
TCV	AT	Torque Converter Clutch Solenoid Valve
TCV	EC	Injection Timing Control Valve
THEFT	EL	Theft Warning System
TPS1	EC	Throttle Position Sensor
TPS2	EC	Throttle Position Sensor
TPS3	EC	Throttle Position Sensor
TRQ/SG	EC	Engine Torque Control Signal
TRSA/T	AT	Turbine Revolution Sensor
TURN	EL	Turn Signal and Hazard Warning Lamps
VIAS/V	EC	Variable Induction Air Control System
VSS	EC	Vehicle Speed Sensor
VSSA/T	AT	Vehicle Speed Sensor A/T
WARN	EL	Warning Lamps
WIPER	EL	Front Wiper and Washer