

# ELECTRICAL SYSTEM

## SECTION EL

### MODIFICATION NOTICE:

- Wiring diagrams have been changed.
- Harness layouts have been changed.
- Fuel filler lid opener has been added.
- Multi-remote control system has been added.

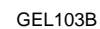
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**EL-3**

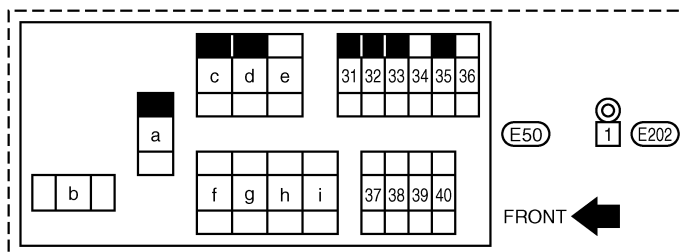
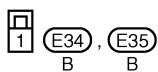
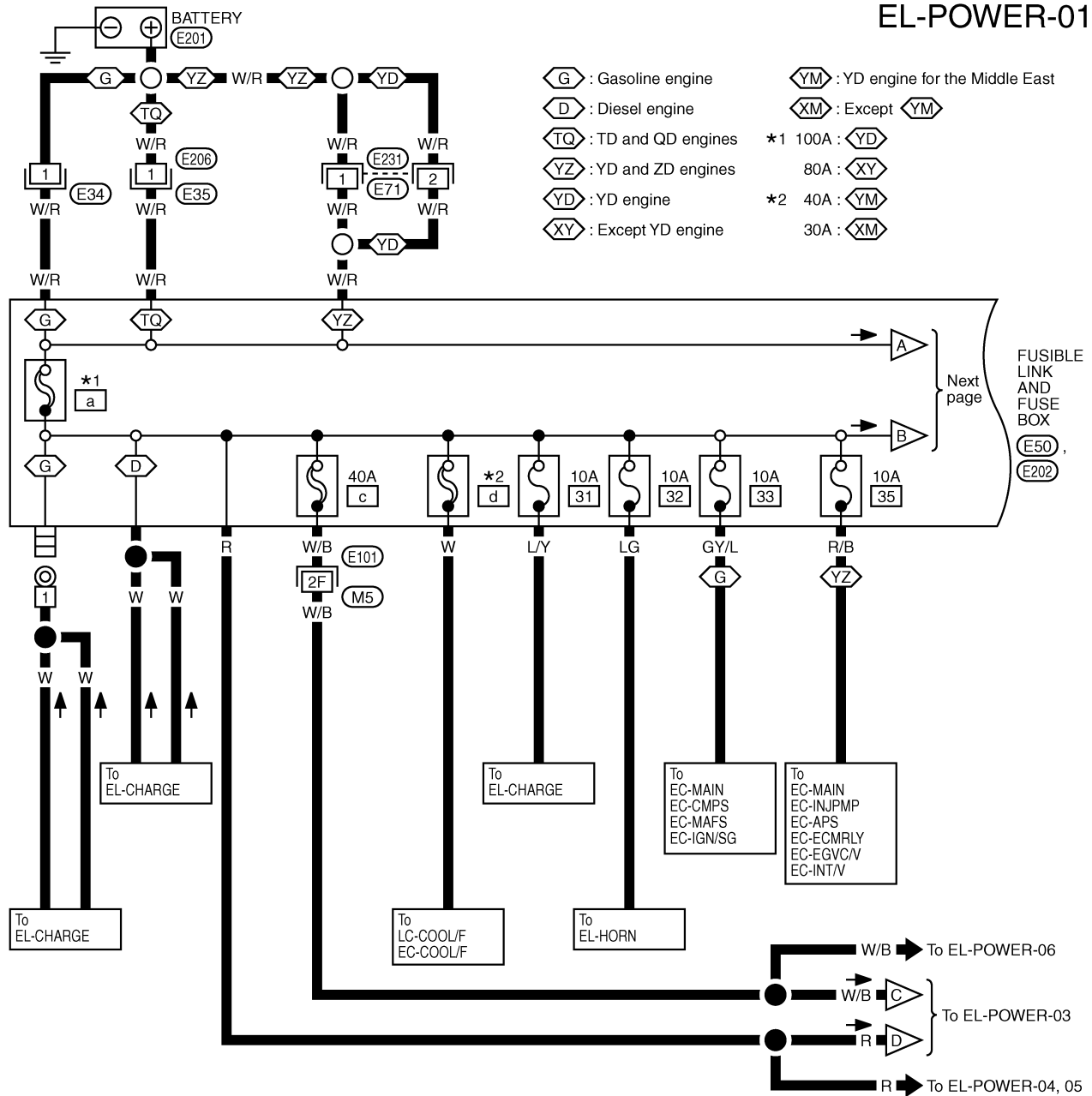


## POWER SUPPLY ROUTING

## Wiring Diagram — POWER —

## BATTERY POWER SUPPLY — IGNITION SWITCH IN ANY POSITION

EL-POWER-01



Refer to last page (Foldout page).

M5, E101

# POWER SUPPLY ROUTING

## Wiring Diagram — POWER — (Cont'd)

### EL-POWER-02

YZ : YD and ZD engines

YD : YD engine

TZ : TD, QD and ZD engines

\*1 80A : TZ

60A : YD

GI

MA

EM

LC

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MT

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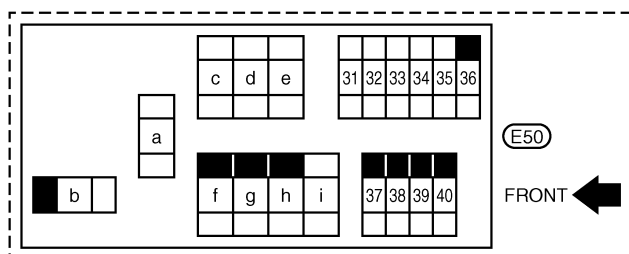
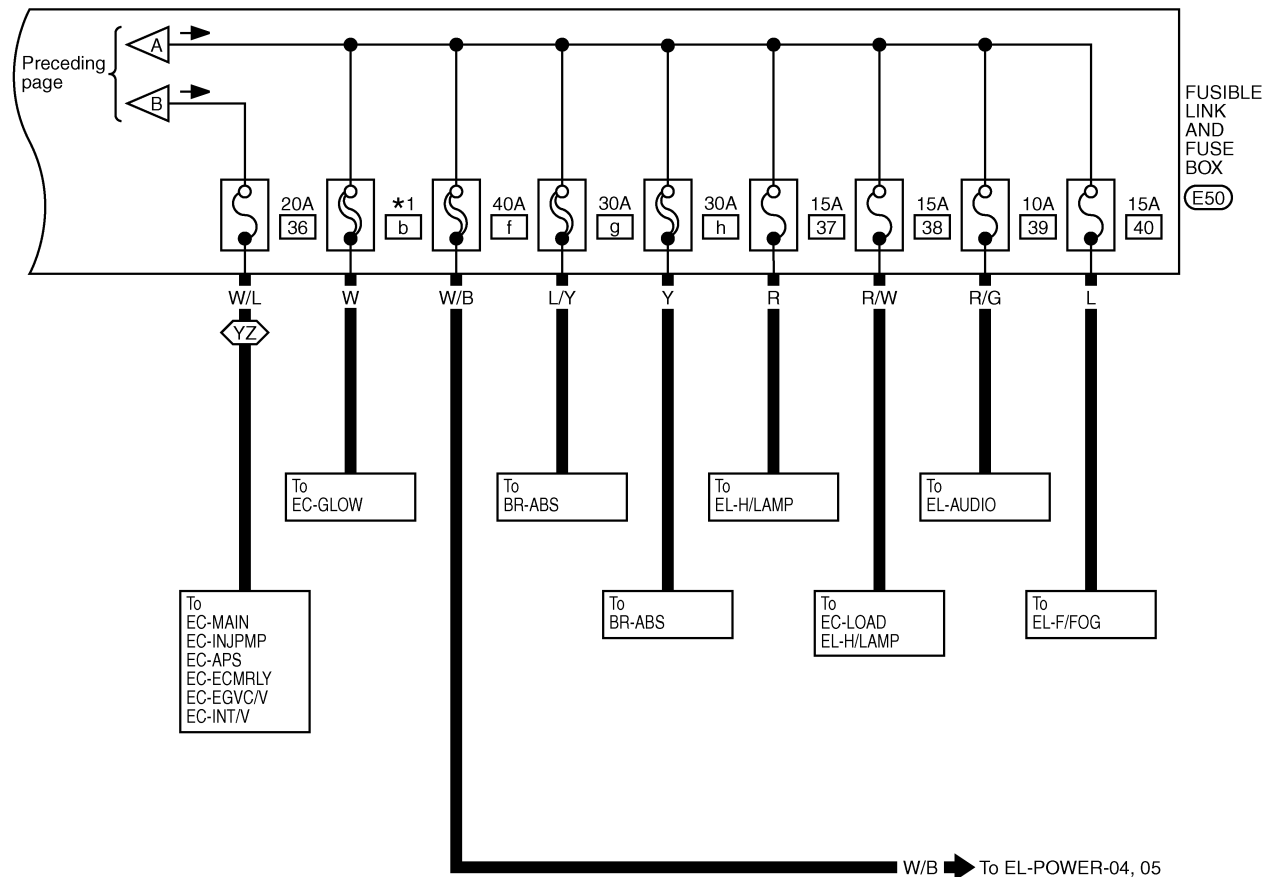
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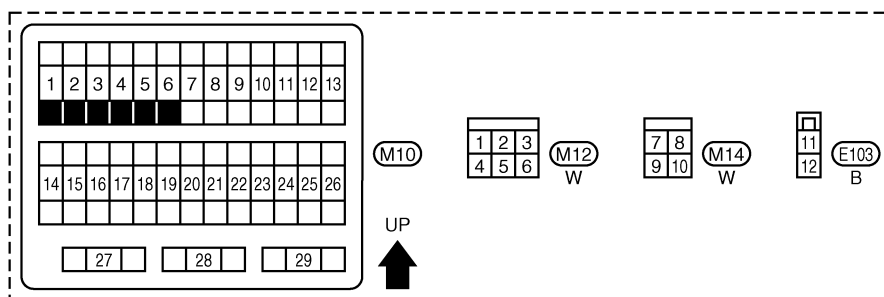
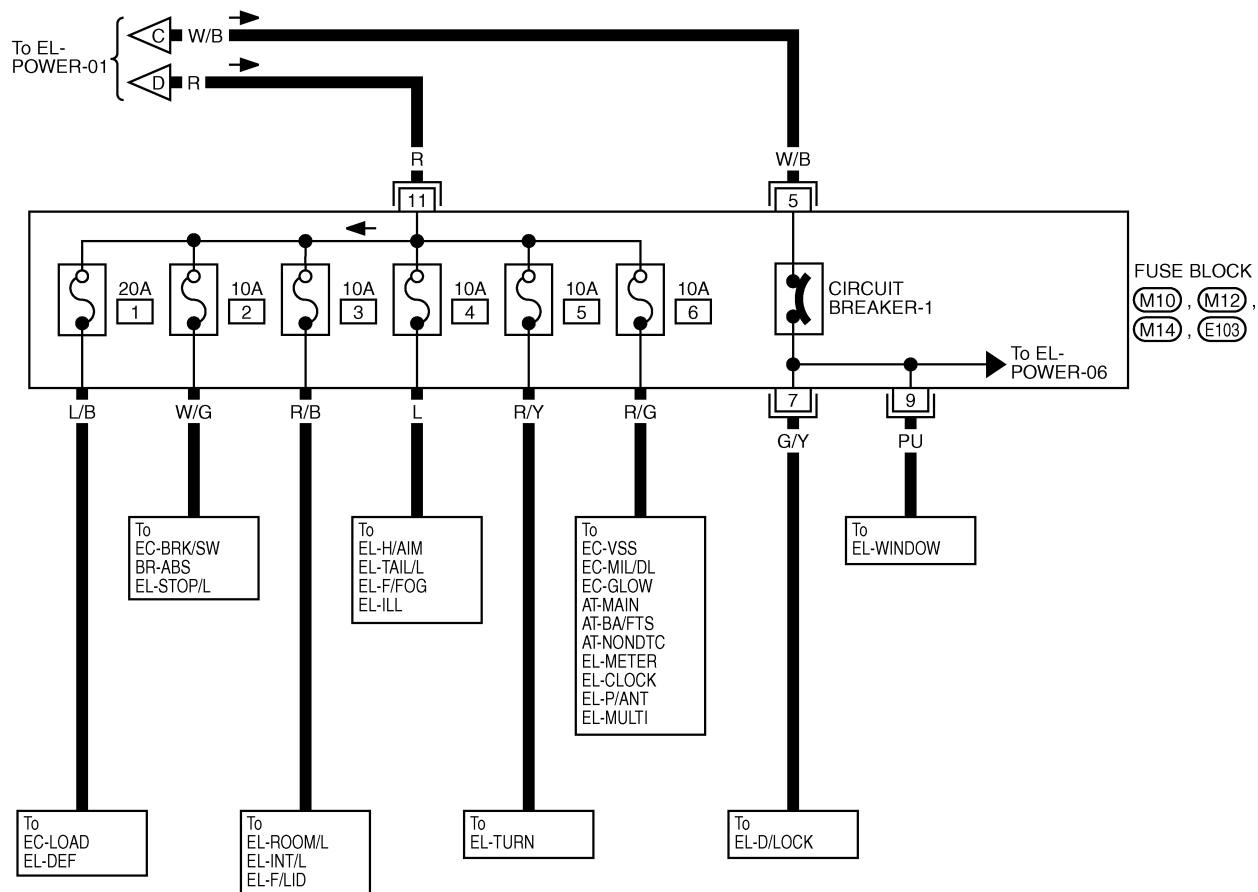
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# POWER SUPPLY ROUTING

## Wiring Diagram — POWER — (Cont'd)

EL-POWER-03



GEL106B

## POWER SUPPLY ROUTING

## Wiring Diagram — POWER — (Cont'd)

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

## EL-POWER-04

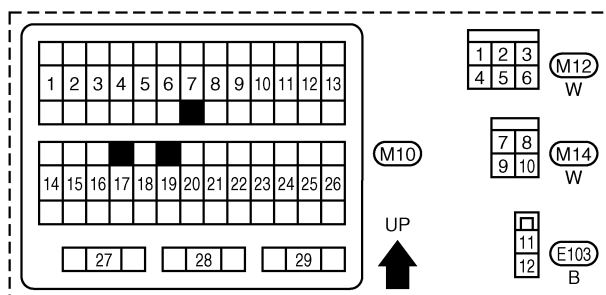
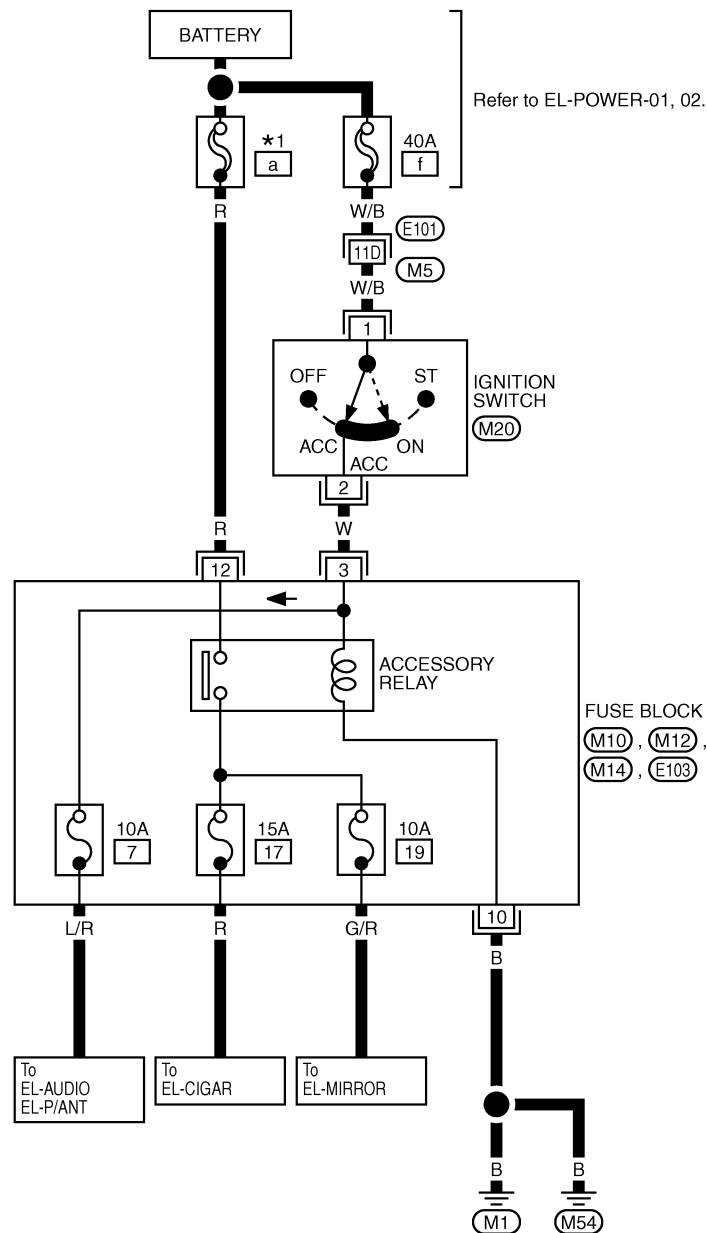
 : YD engine

 : Except YD engine

\*1 100A: 

80A : 

Refer to EL-POWER-01, 02.



Refer to last page (Foldout page).

M5, E101

GI

MA

EM

LC

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# POWER SUPPLY ROUTING

## Wiring Diagram — POWER — (Cont'd)

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

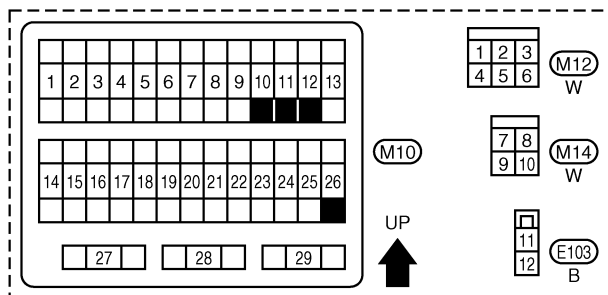
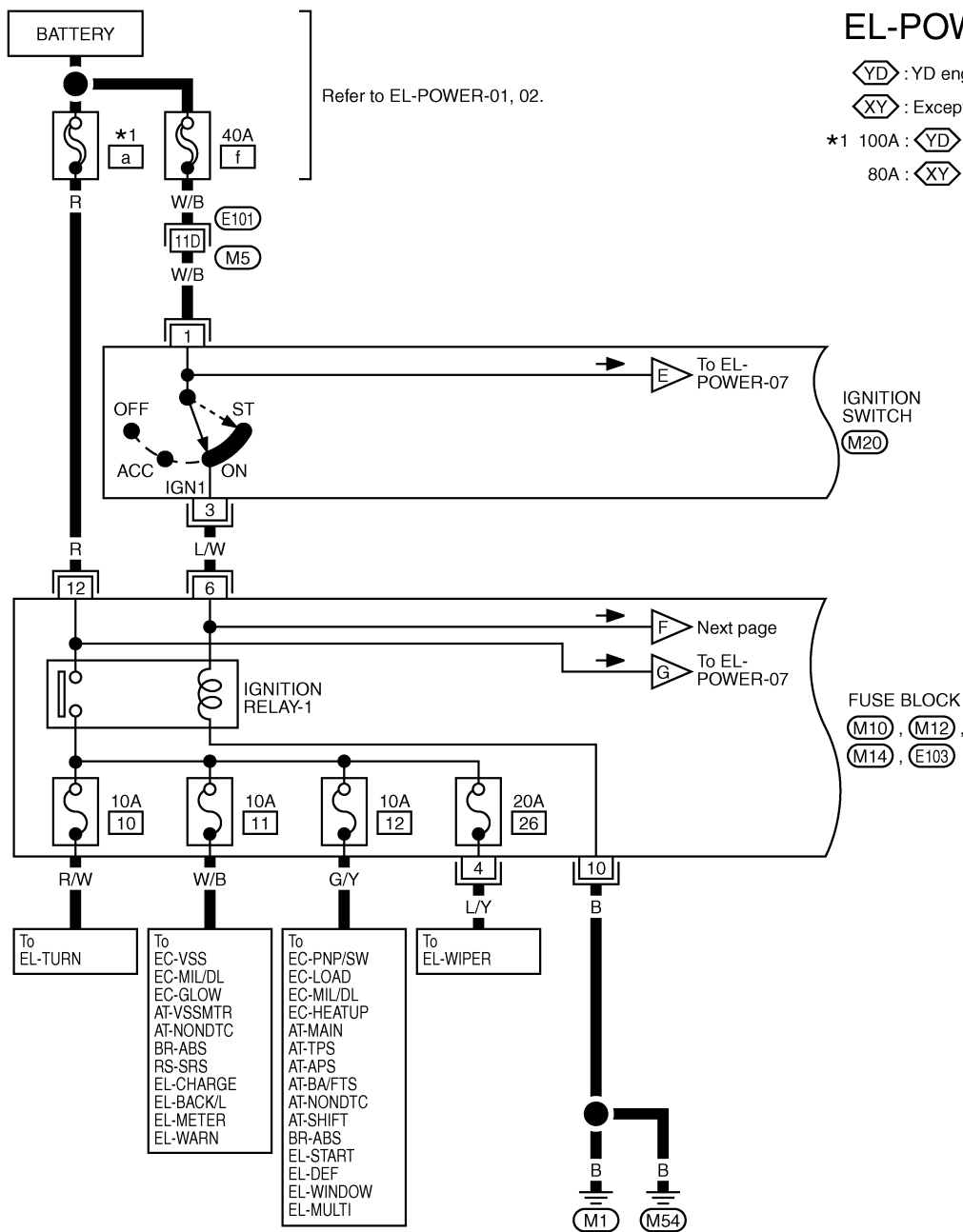
#### EL-POWER-05

YD : YD engine

XY : Except YD engine

\*1 100A : YD

80A : XY



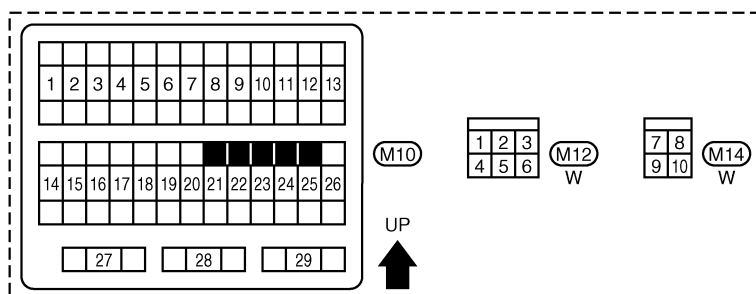
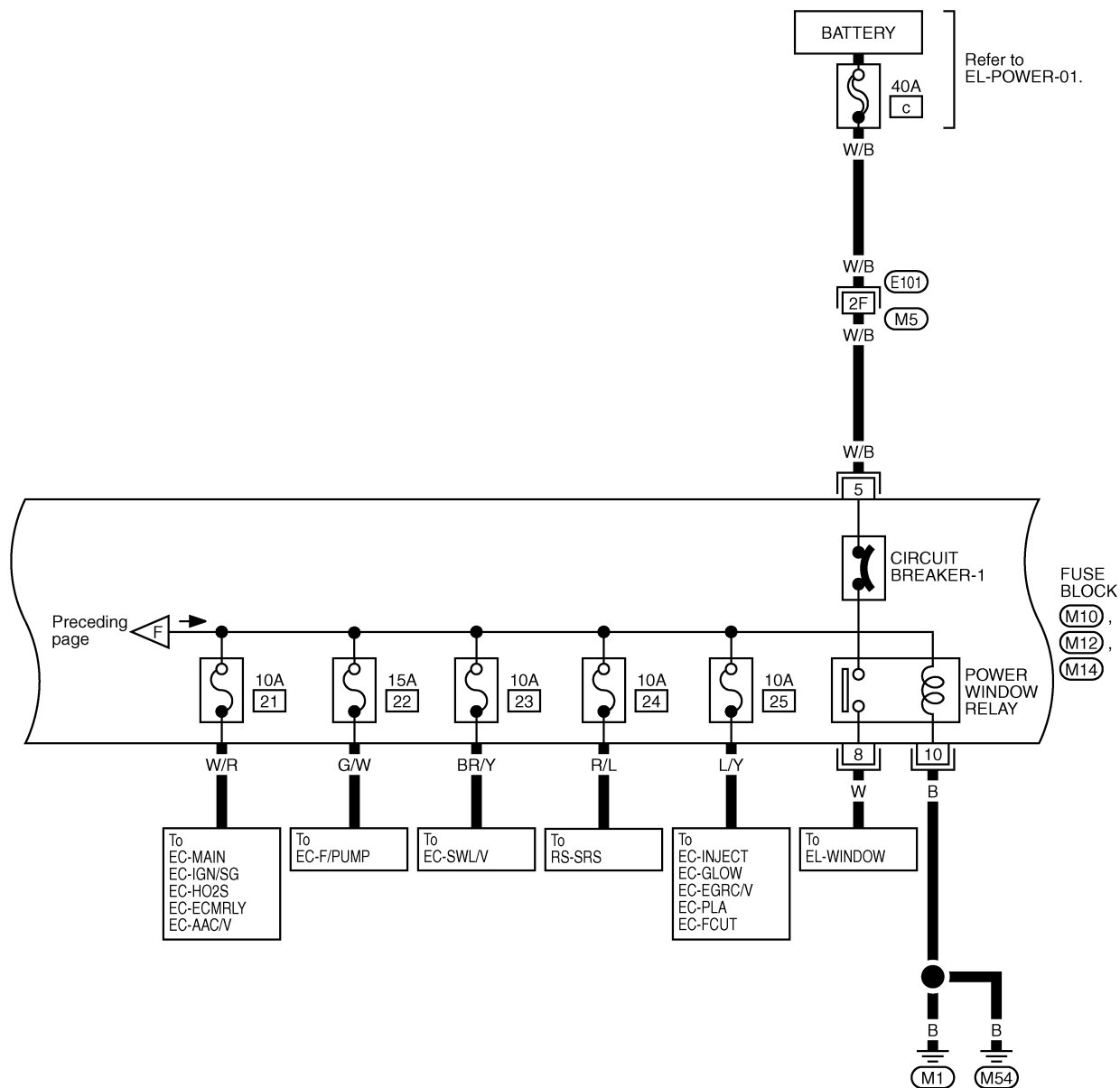
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M5, E101



## Wiring Diagram — POWER — (Cont'd)

EL-POWER-06



Refer to last page (Foldout page).

M5, E101

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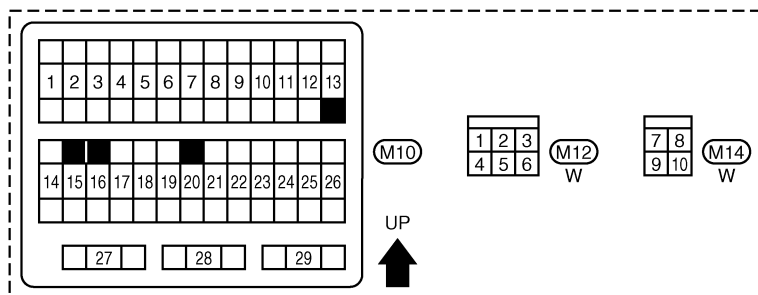
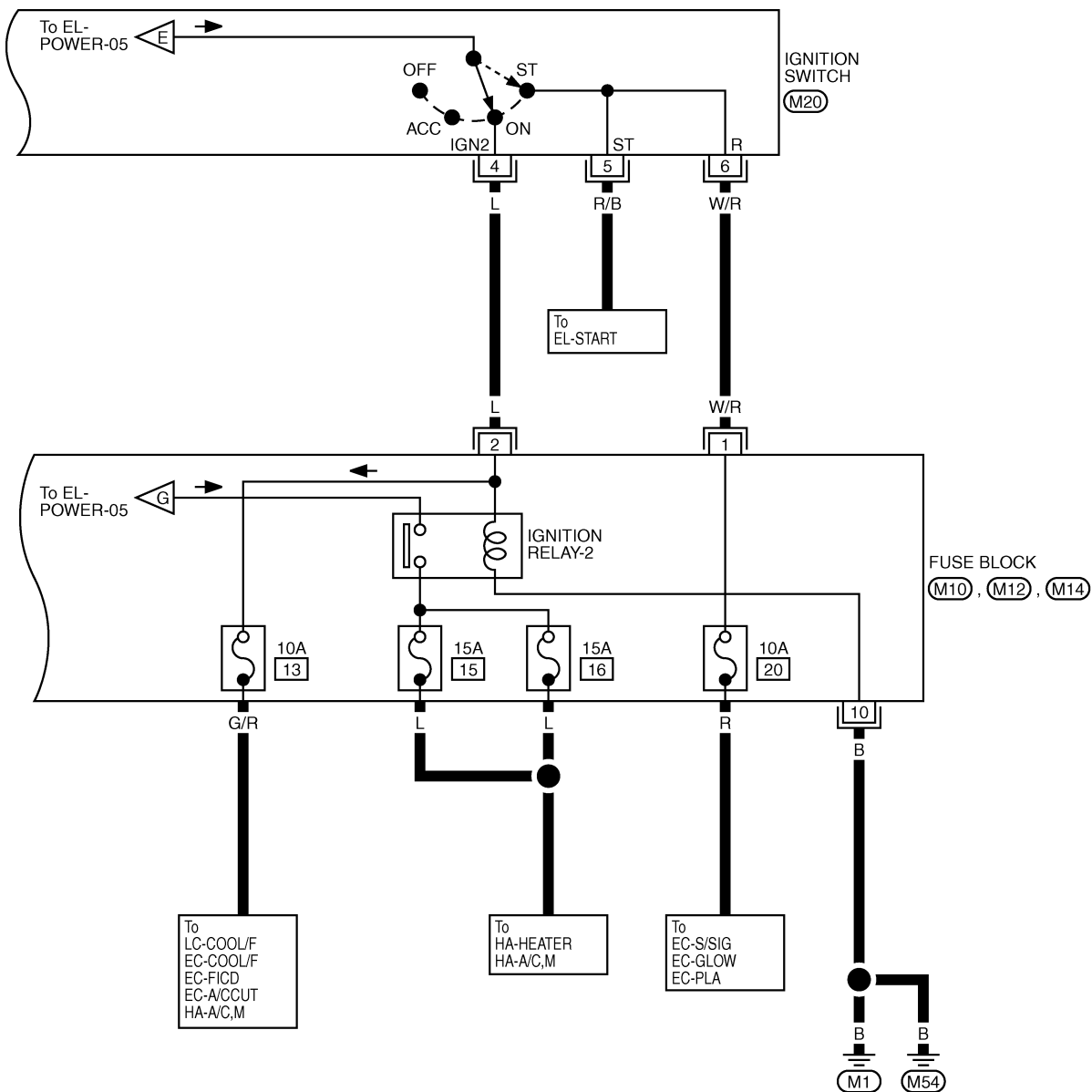
HA

**EL**

# POWER SUPPLY ROUTING

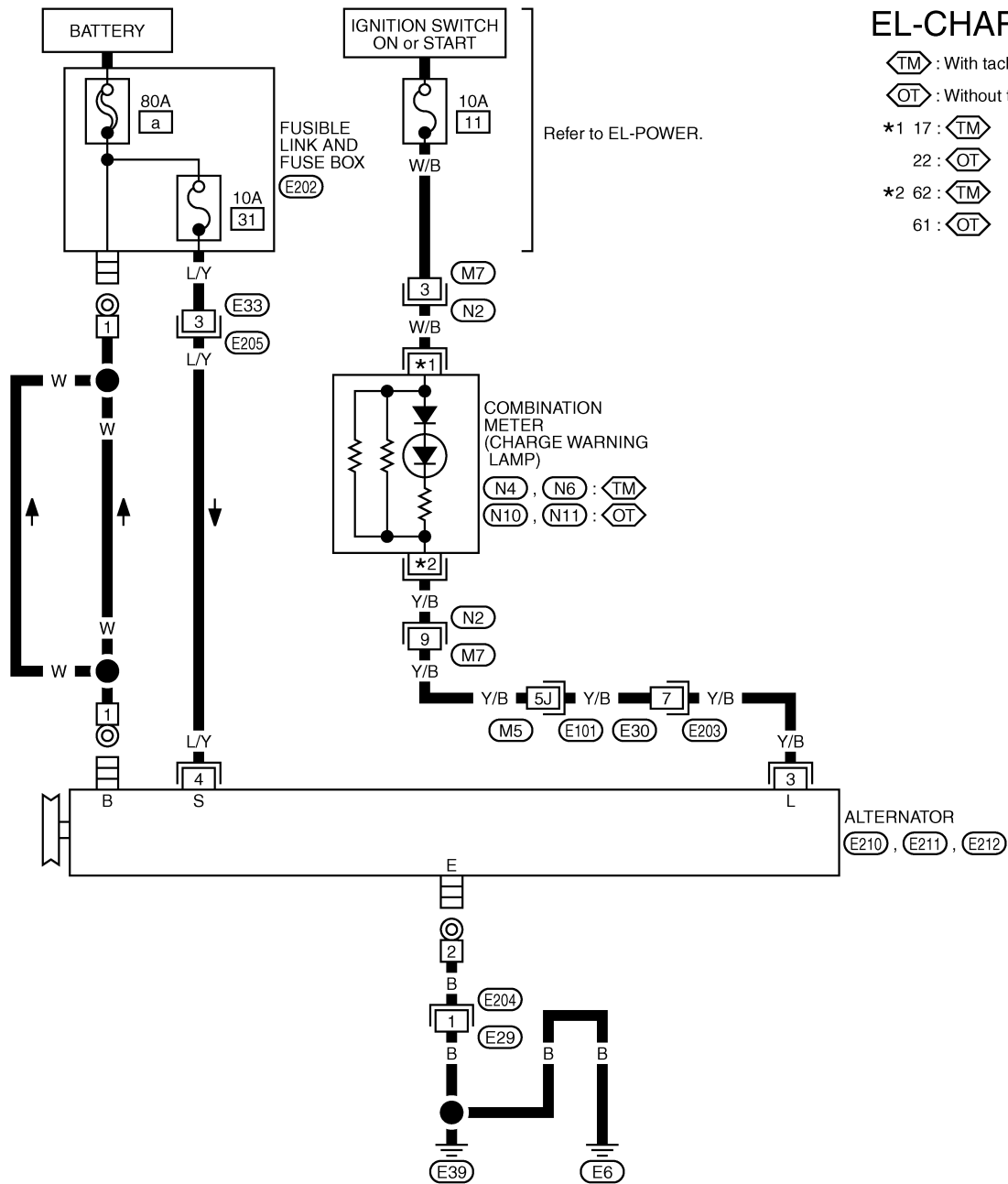
## Wiring Diagram — POWER — (Cont'd)

EL-POWER-07



GEL110B

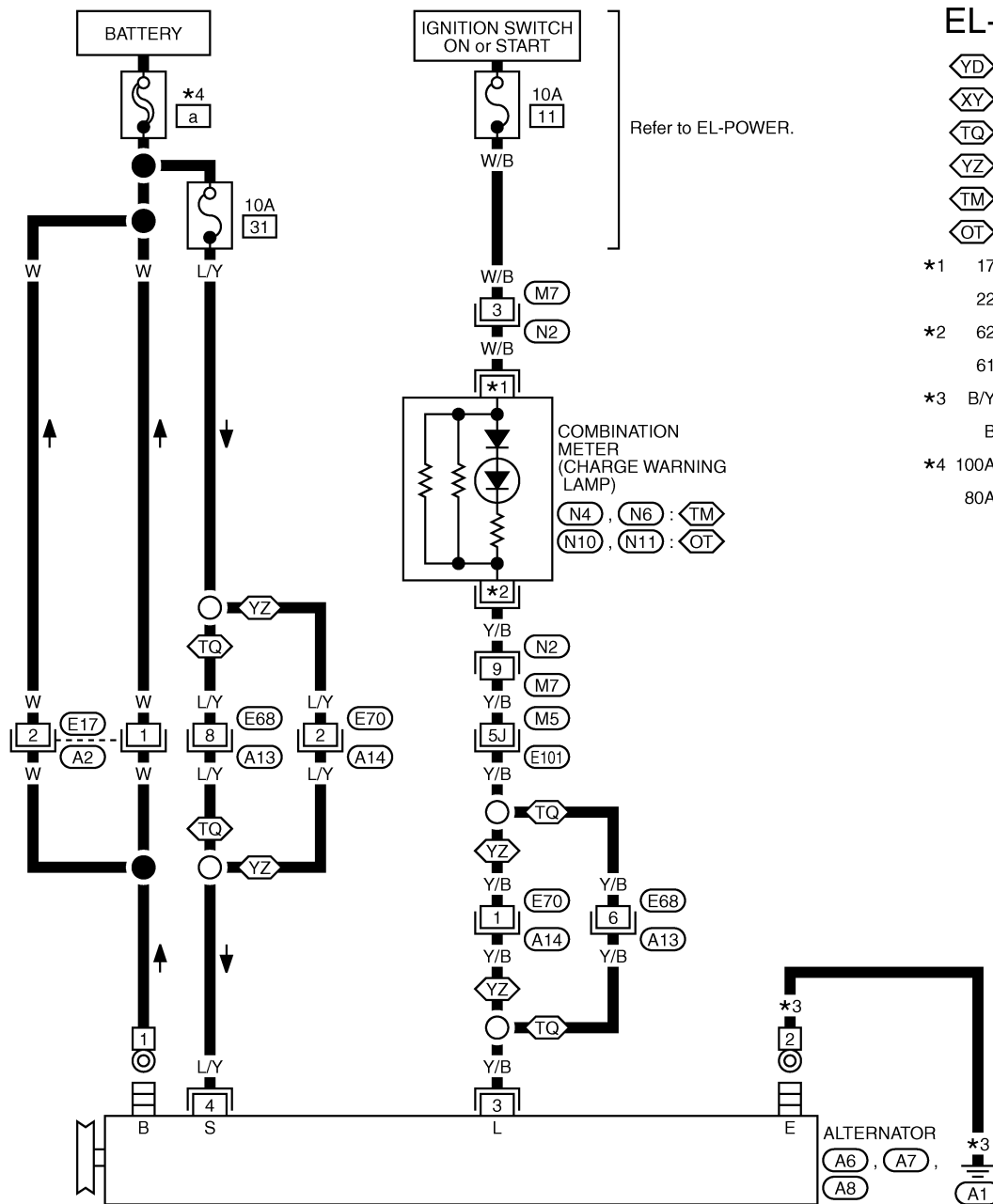
## Wiring Diagram — CHARGE — (Gasoline engines)



GI  
MA  
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CL  
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IDX

# CHARGING SYSTEM

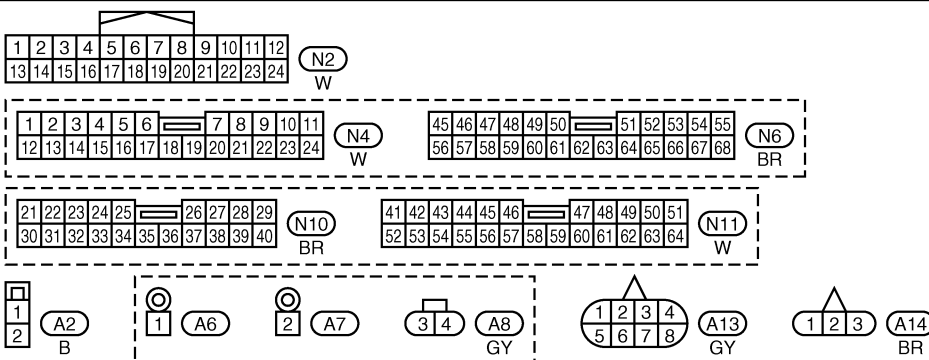
## Wiring Diagram — CHARGE —/Diesel Engine with M/T



### EL-CHARGE-02

- YD : YD engine
- XY : Except YD engine
- TQ : TD and QD engines
- YZ : YD and ZD engines
- TM : With tachometer
- OT : Without tachometer

- \*1 17 : TM
- 22 : OT
- \*2 62 : TM
- 61 : OT
- \*3 B/Y : YZ
- B : TQ
- \*4 100A : YD
- 80A : XY



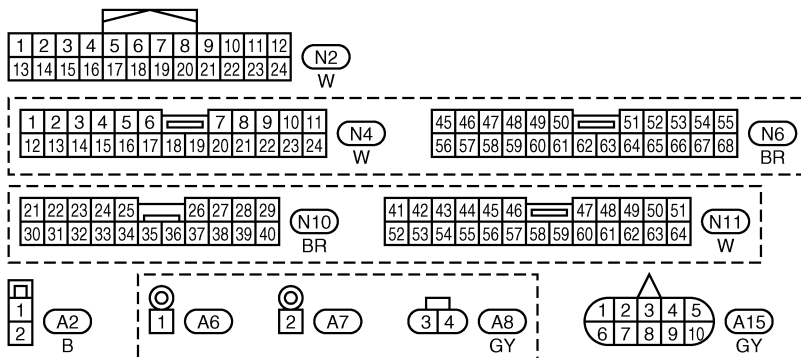
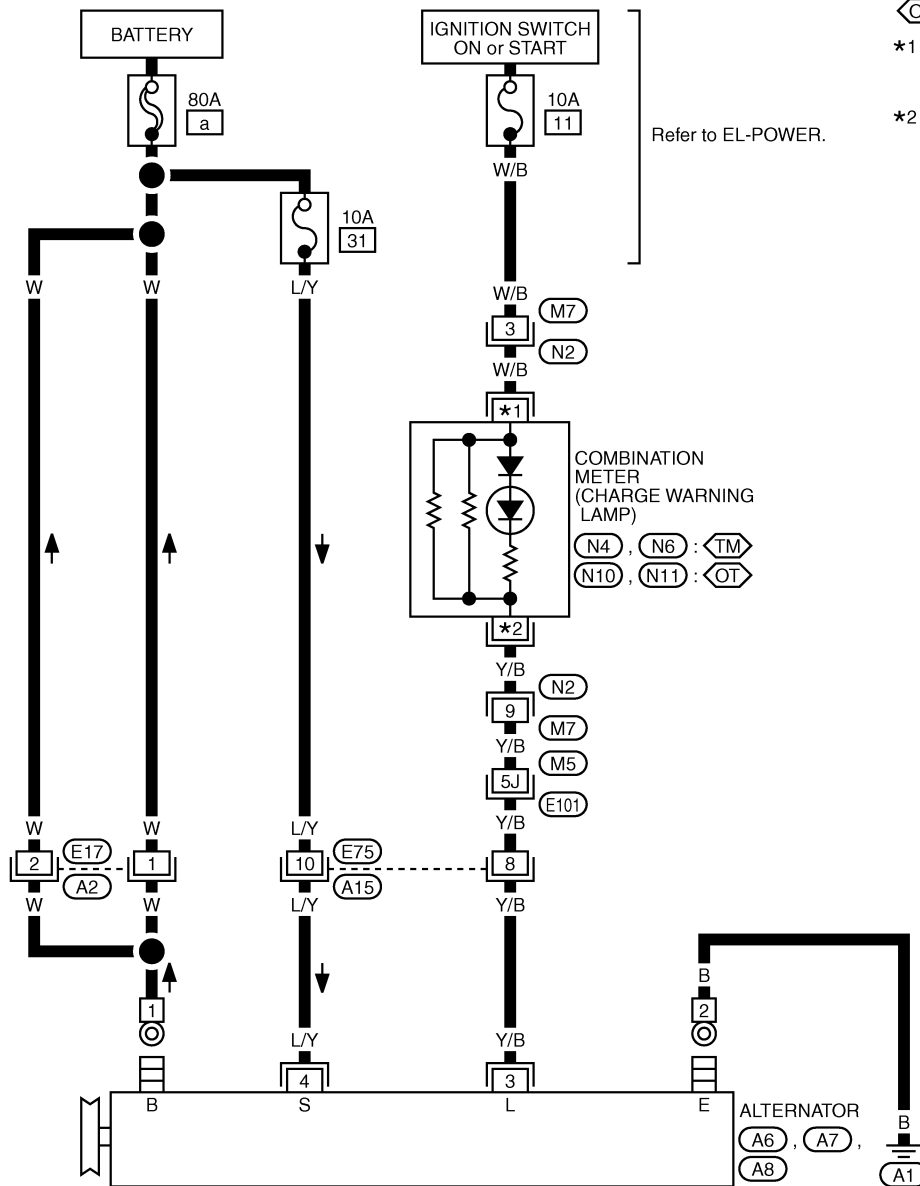
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(M5), (E101)

## Wiring Diagram — CHARGE —/Diesel Engine with A/T

### EL-CHARGE-03

- (TM) : With tachometer  
 (OT) : Without tachometer  
 \*1 17 : (TM)  
 22 : (OT)  
 \*2 62 : (TM)  
 61 : (OT)



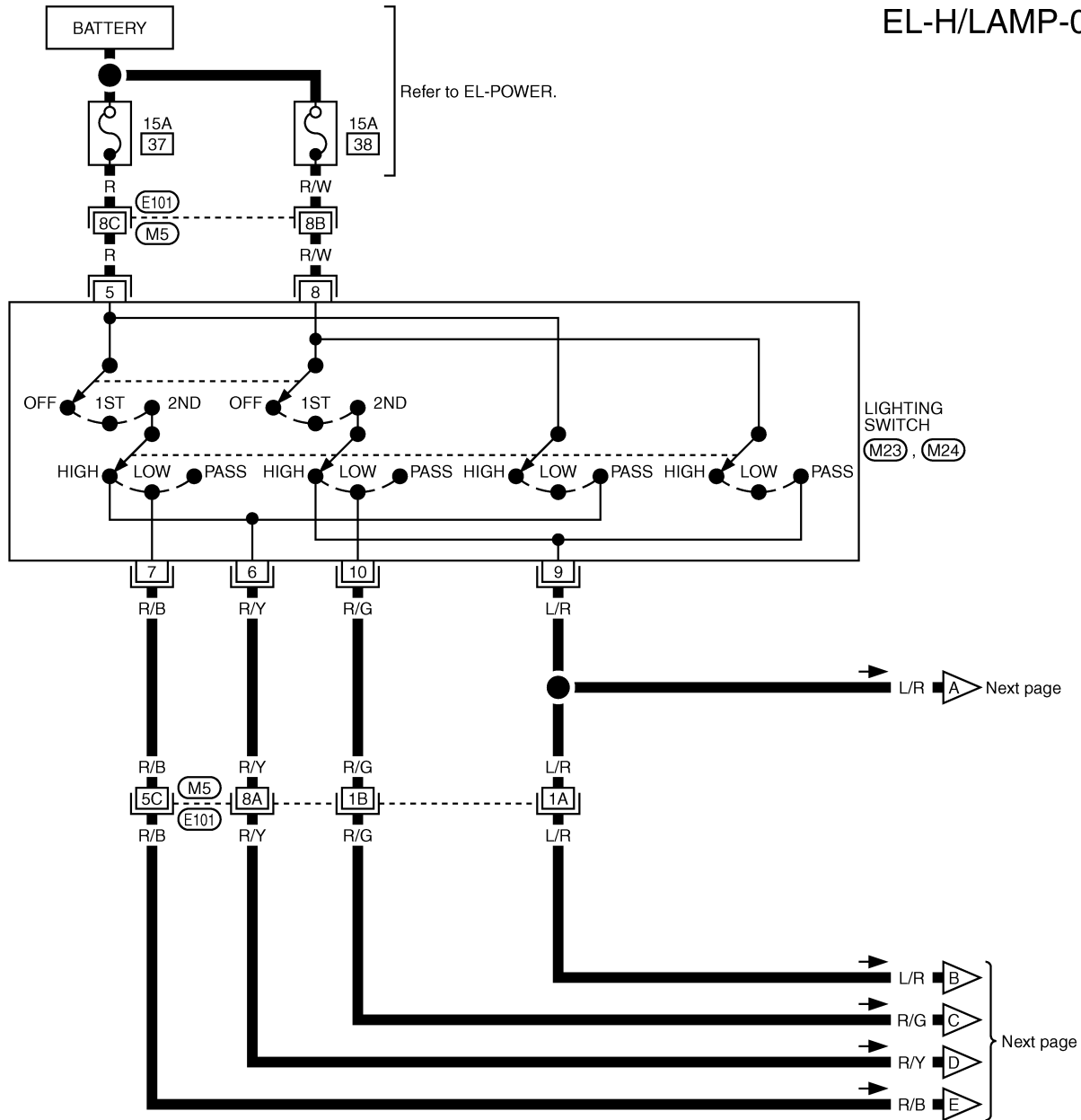
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(M5), (E101)

EL

## Wiring Diagram — H/LAMP —/LHD Models

EL-H/LAMP-01



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(M5, E101)

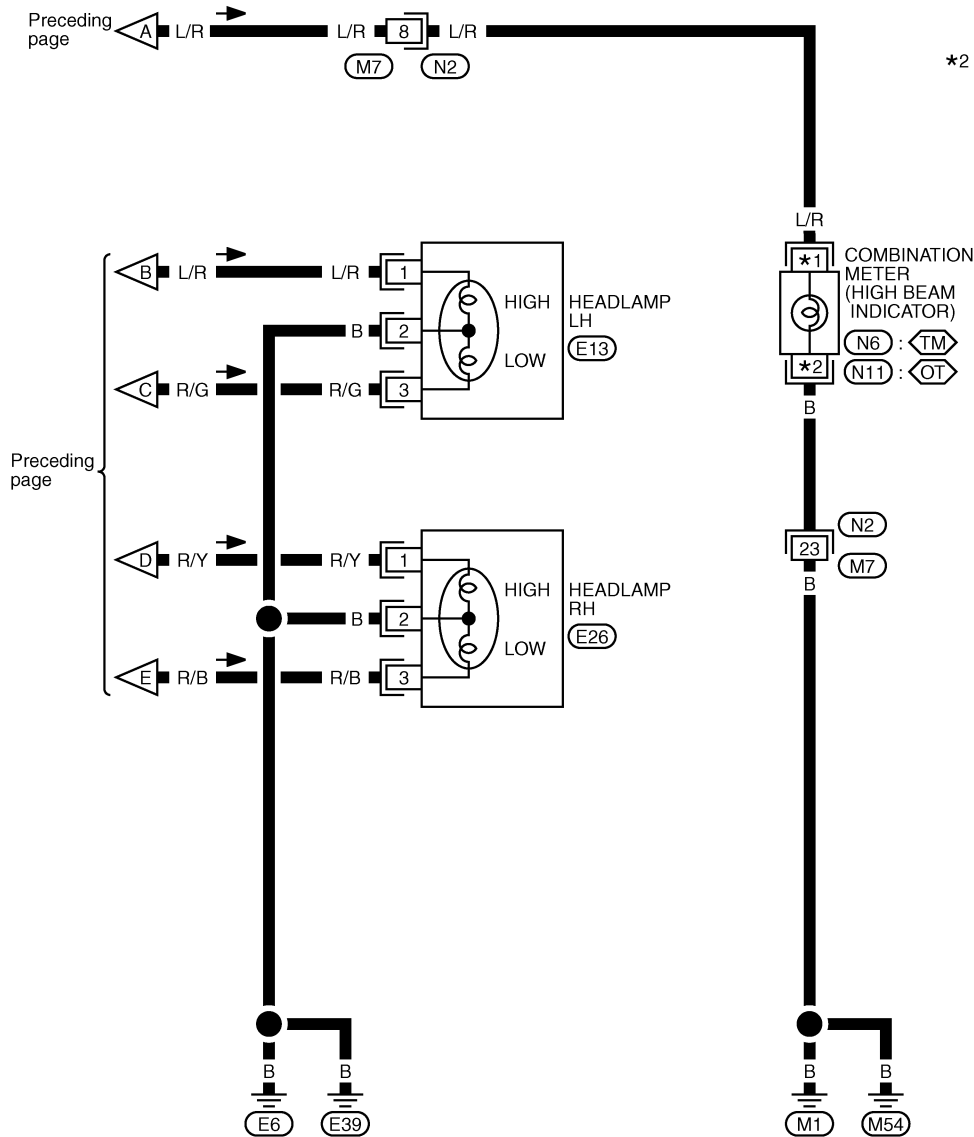
# HEADLAMP — Conventional Type —

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

### EL-H/LAMP-02

TM : With tachometer  
OT : Without tachometer

\*1 46: TM  
51: OT  
\*2 47: TM  
50: OT



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

(N2)  
W

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

(N6)  
BR

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

(N11)  
W

3
1 2

(E13) (E26)  
B B

GI

MA

EM

LC

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FE

CL

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PD

FA

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BR

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RS

BT

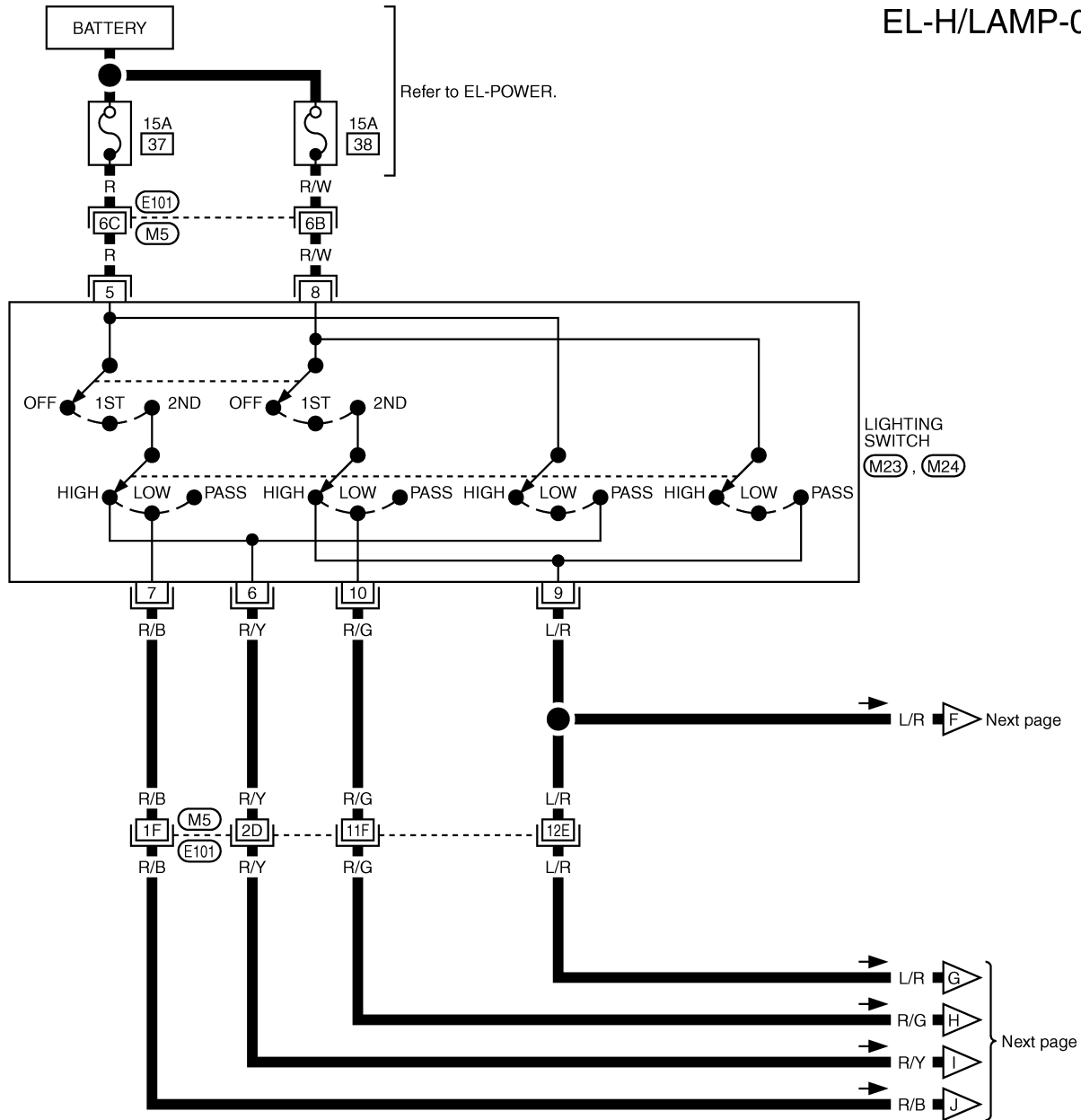
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EL

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## Wiring Diagram — H/LAMP —/RHD Models

EL-H/LAMP-03



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(M5, E101)



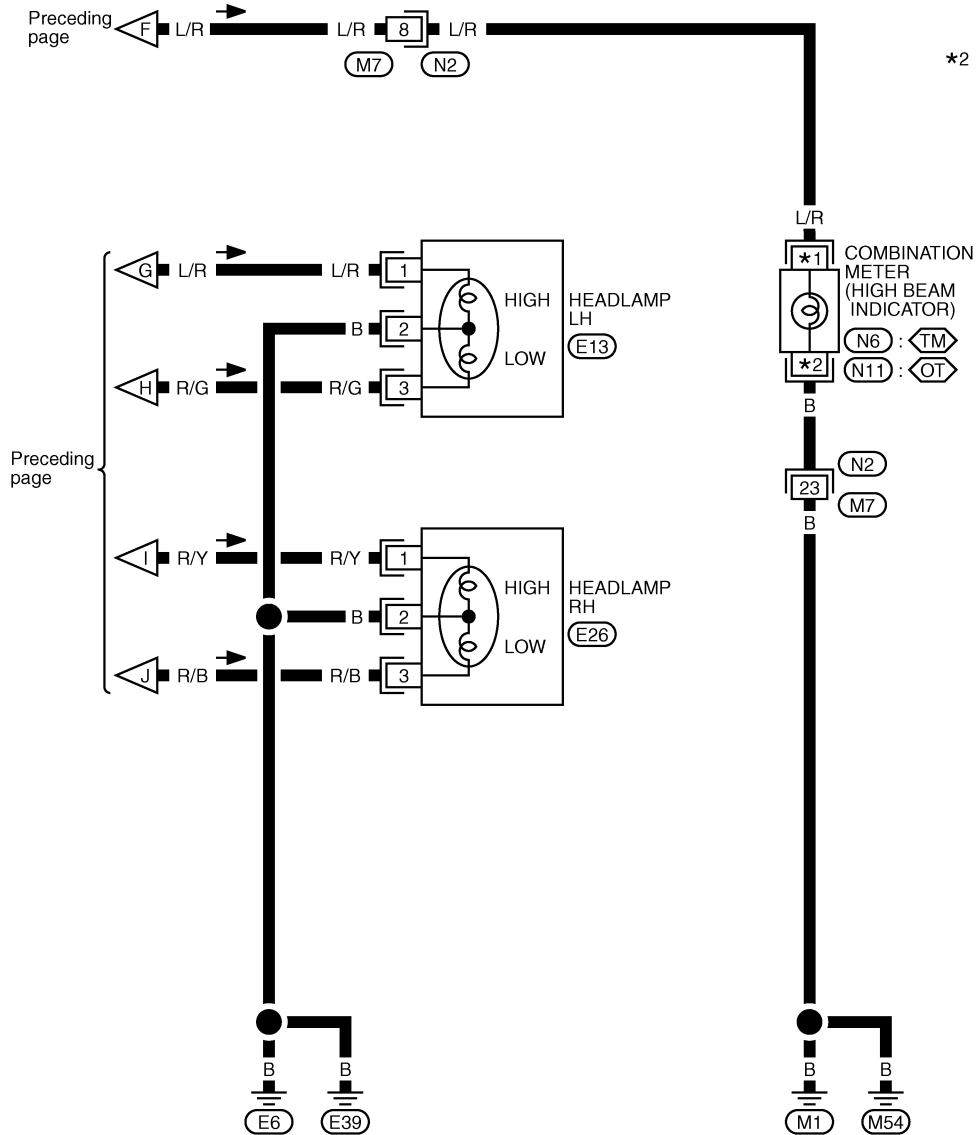
# HEADLAMP — Conventional Type —

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

### EL-H/LAMP-04

TM : With tachometer  
OT : Without tachometer

\*1 46: TM  
47: OT  
\*2 51: TM  
50: OT



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

(N2)  
W

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

(N6)  
BR

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

(N11)  
W

3		
1	2	

E13, E26  
B B

(E13) (E26)  
B B

GI

MA

EM

LC

EC

FE

CL

MT

AT

TF

PD

FA

RA

BR

ST

RS

BT

HA

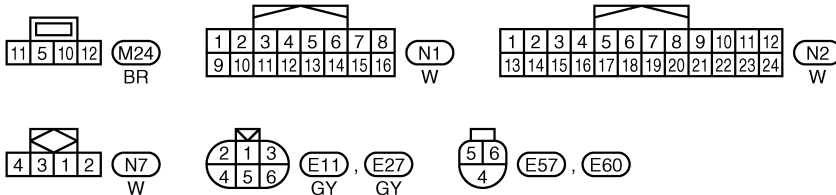
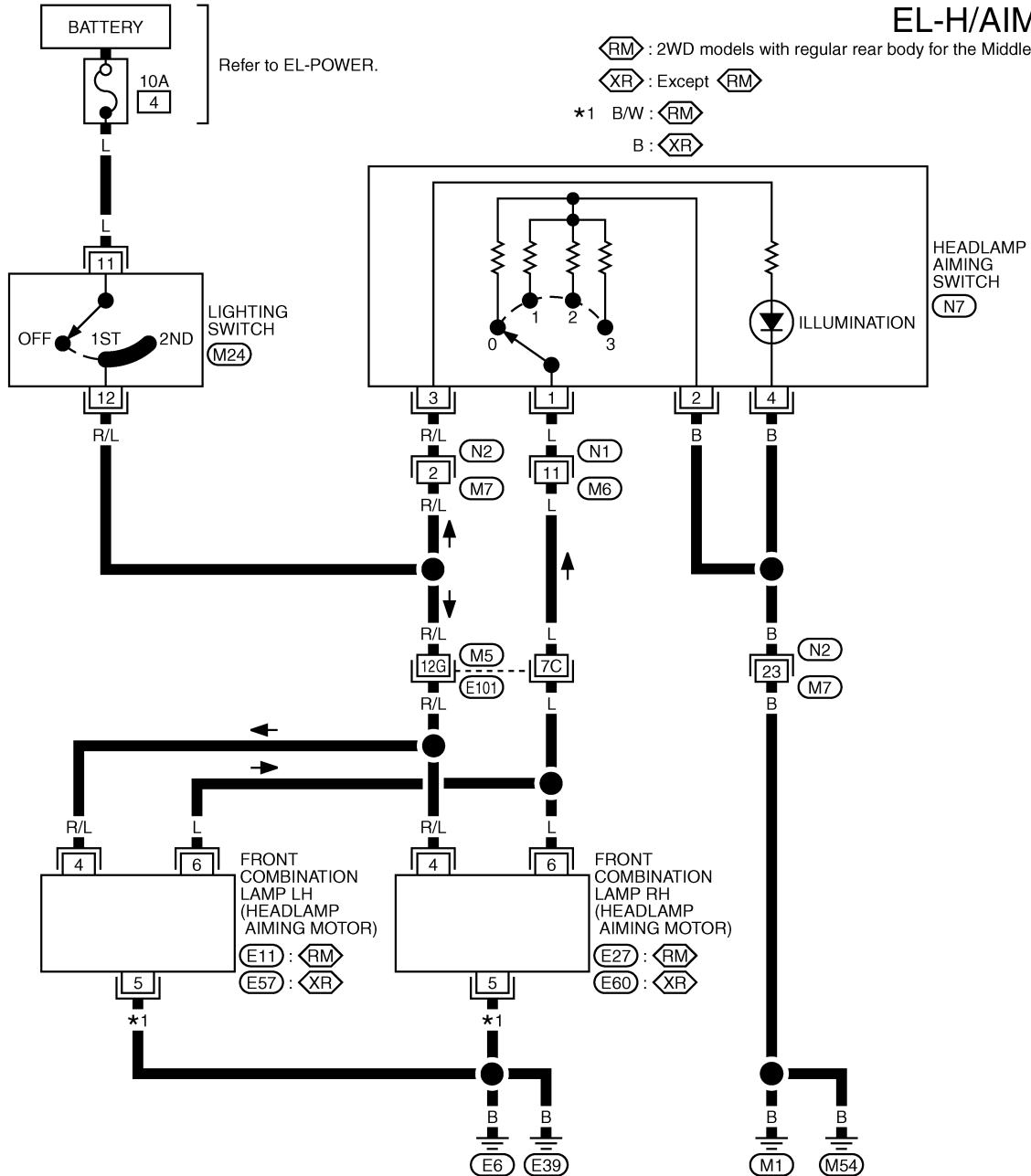
EL

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GEL115B

## Wiring Diagram — H/AIM —

EL-H/AIM-01

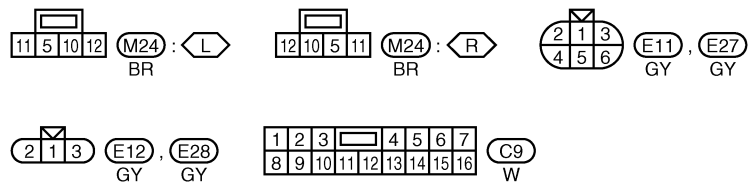
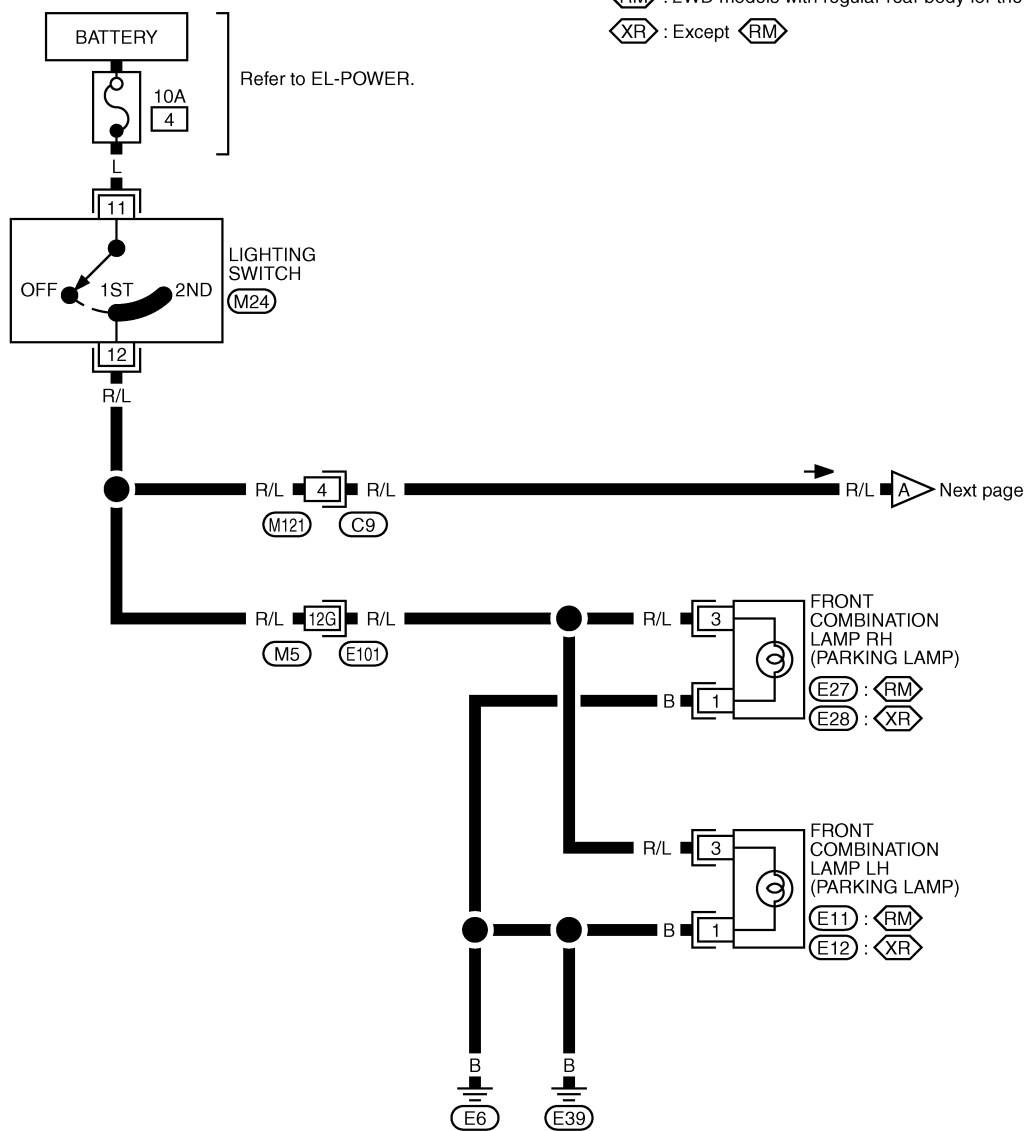


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(M5, E101)

## Wiring Diagram — TAIL/L —

EL-TAIL/L-01

- L : LHD models
- R : RHD models
- RM : 2WD models with regular rear body for the Middle East
- XR : Except RM



Refer to last page (Foldout page).  
M5 , E101

GI  
MA  
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BT  
HA  
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IDX

# PARKING, LICENSE AND TAIL LAMPS

## Wiring Diagram — TAIL/L — (Cont'd)

### EL-TAIL/L-02

CS : With regular rear body except A-chassis

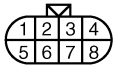
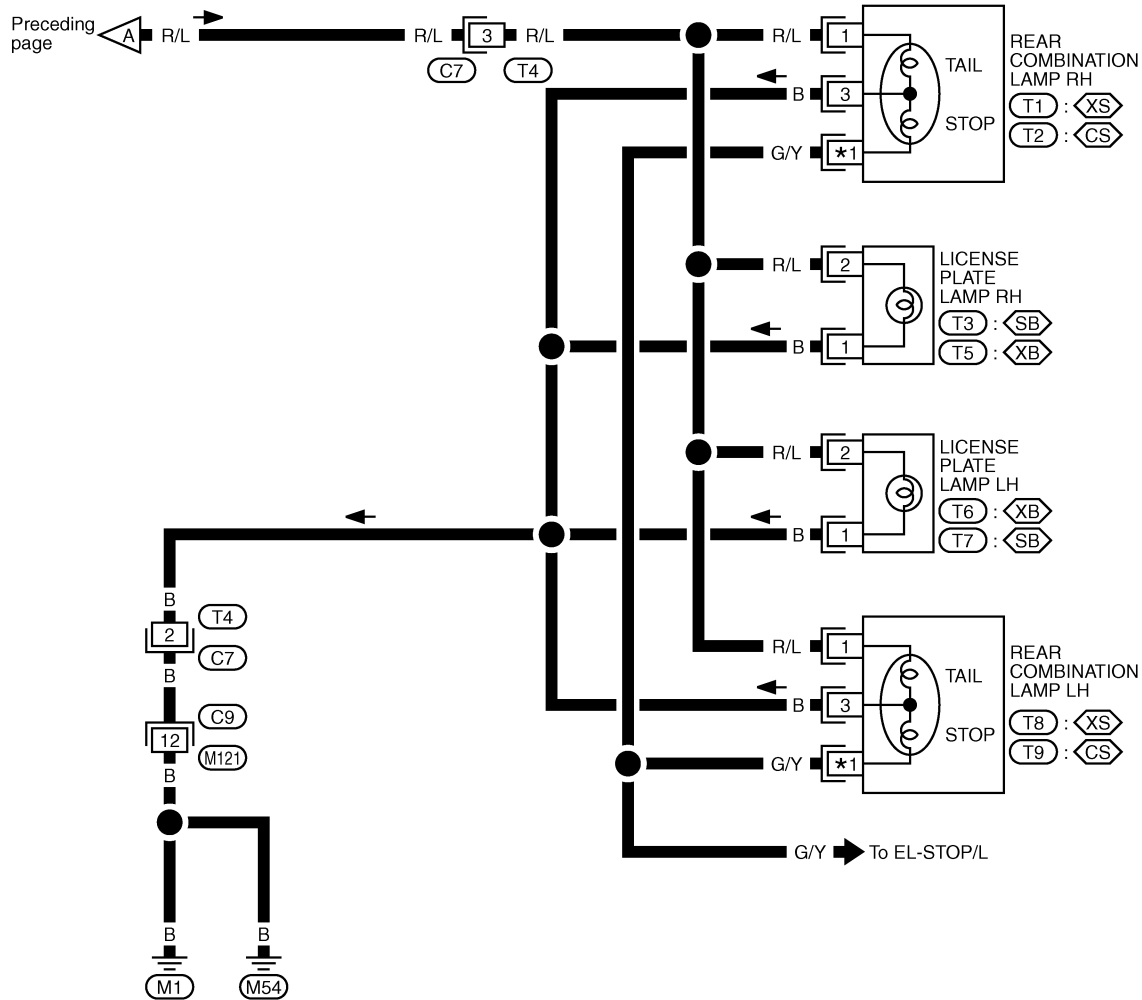
XS : Except CS

SB : Models with step bumper

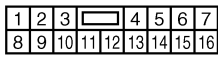
XB : Except SB

\*1 5: CS

4: XS



C7  
SB



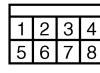
C9  
W



T1  
W



T8  
W



T2  
W



T9  
W



T3  
GY



T5  
GY



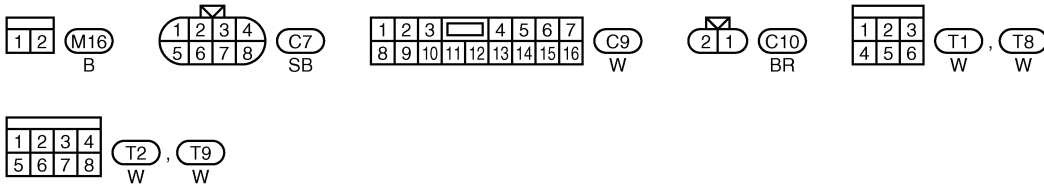
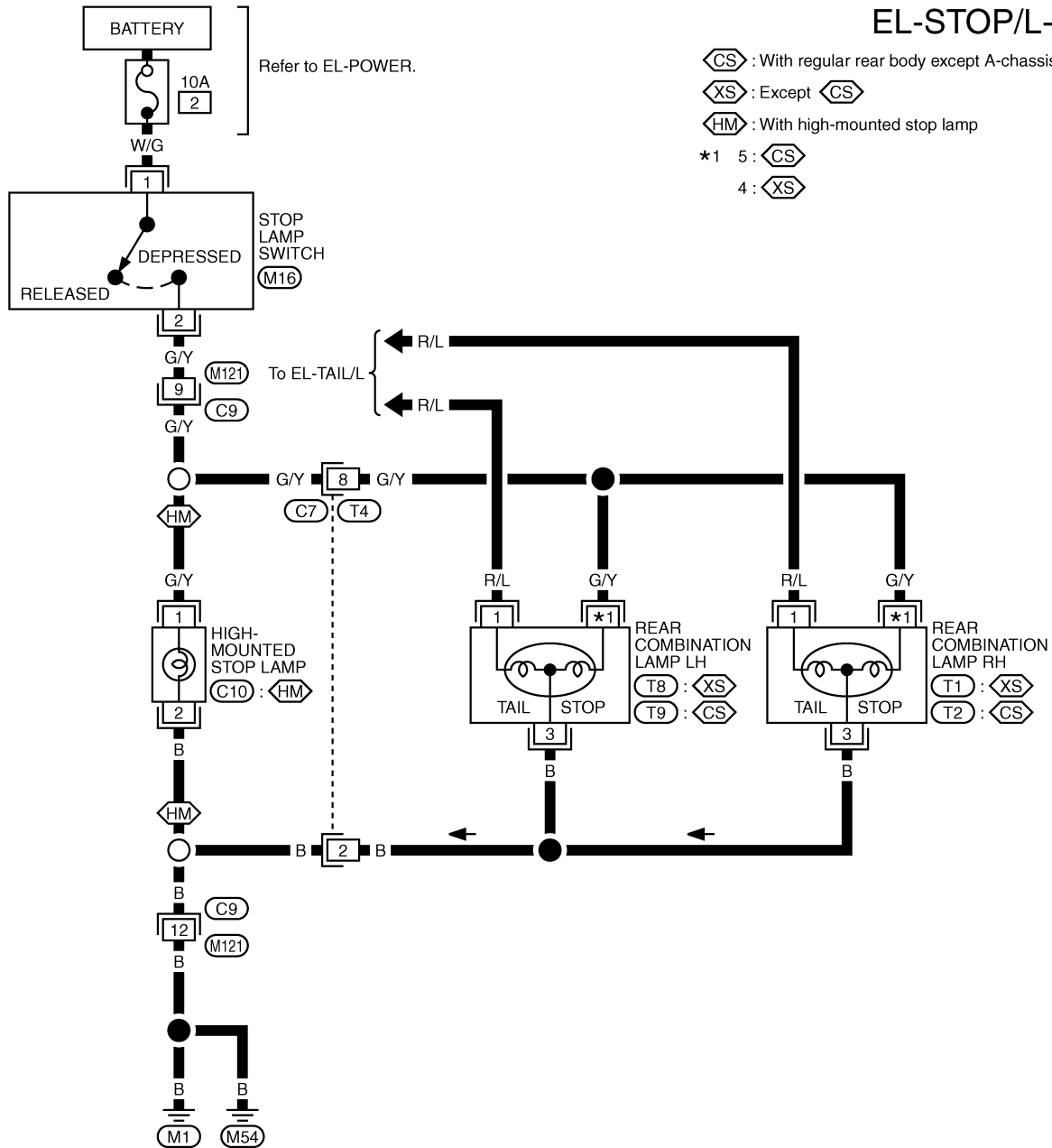
T6  
GY



T7  
B

# STOP LAMP

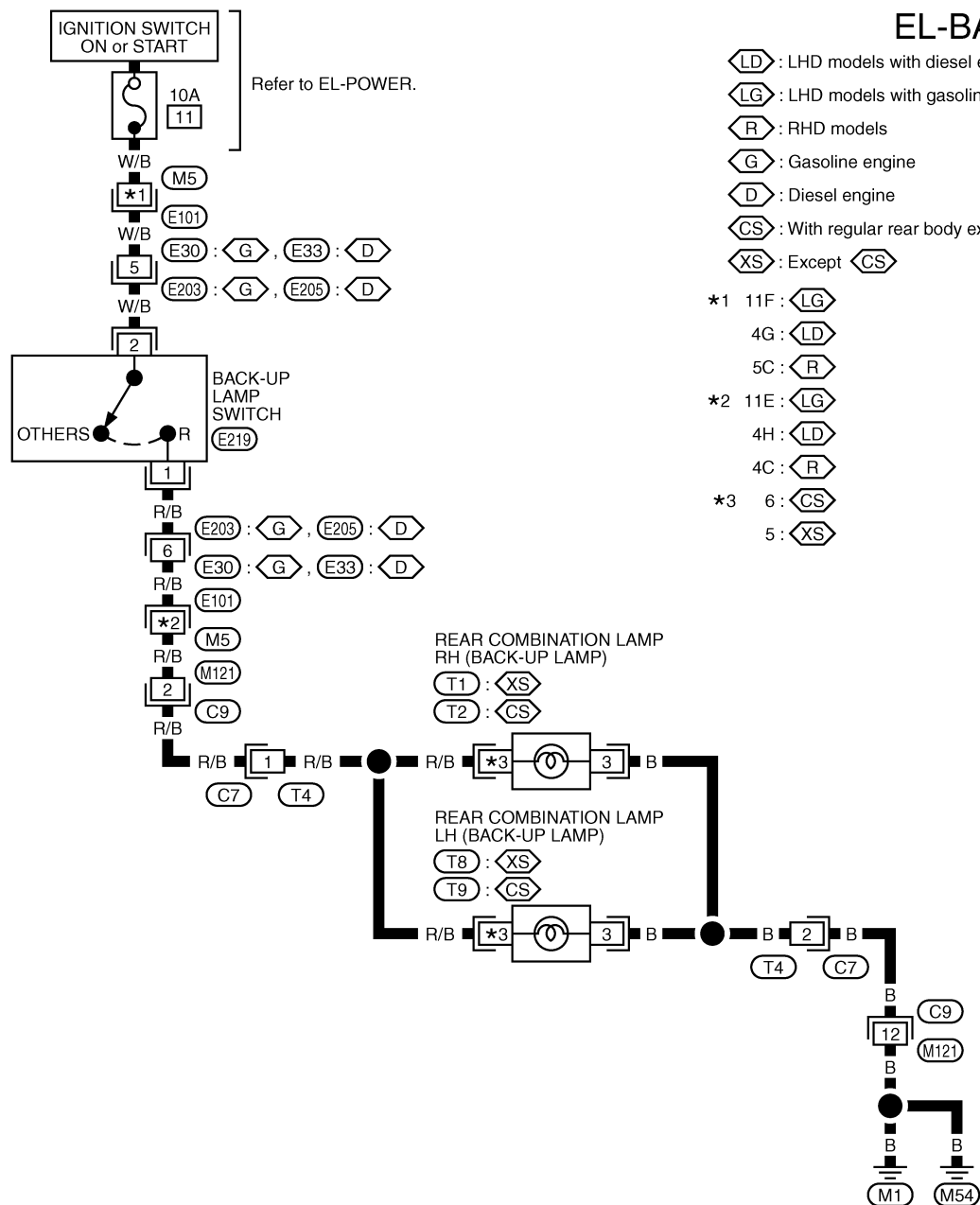
## Wiring Diagram — STOP/L —



GI  
MA  
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FA  
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ST  
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BT  
HA  
EL  
IDX

## Wiring Diagram — BACK/L —/M/T Models

EL-BACK/L-01



- LD : LHD models with diesel engine
- LG : LHD models with gasoline engine
- R : RHD models
- G : Gasoline engine
- D : Diesel engine
- CS : With regular rear body except A-chassis
- XS : Except CS

\*1 11F : LG

4G : LD

5C : R

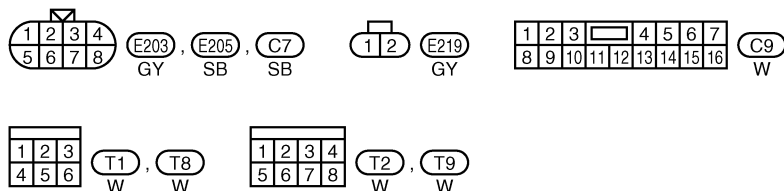
\*2 11E : LG

4H : LD

4C : R

\*3 6 : CS

5 : XS

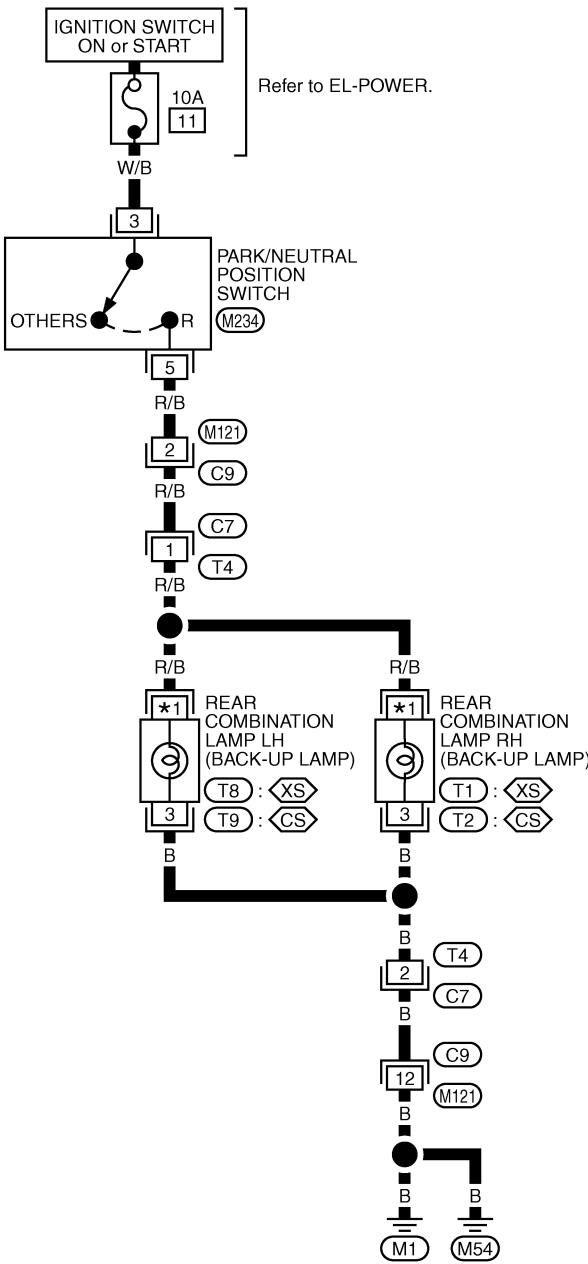


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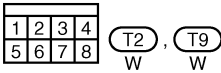
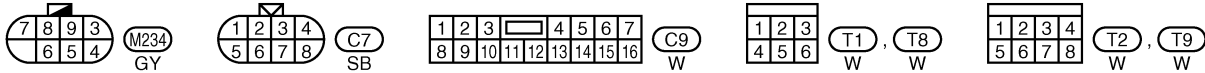
M5, E101

Wiring Diagram — BACK/L —/A/T Models

EL-BACK/L-02



CS : With regular rear body except A-chassis  
XS : Except CS  
\*1 6 : CS  
5 : XS

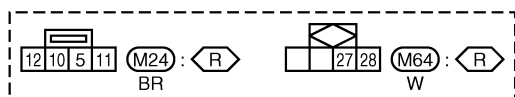
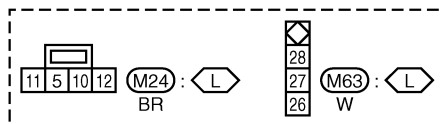
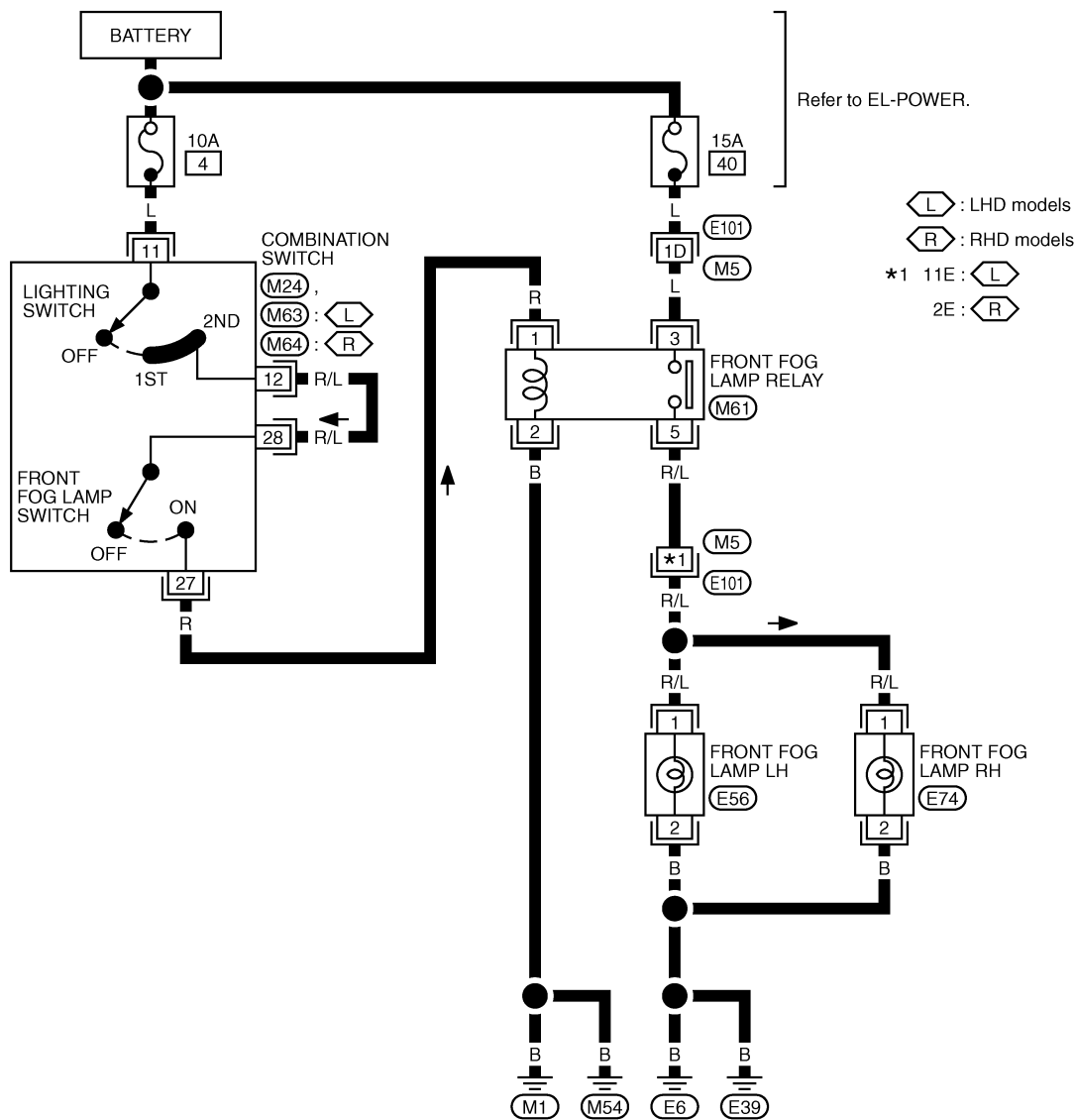


GI  
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RS  
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HA  
EL  
IDX

# FRONT FOG LAMP

## Wiring Diagram — F/FOG —

EL-F/FOG-01



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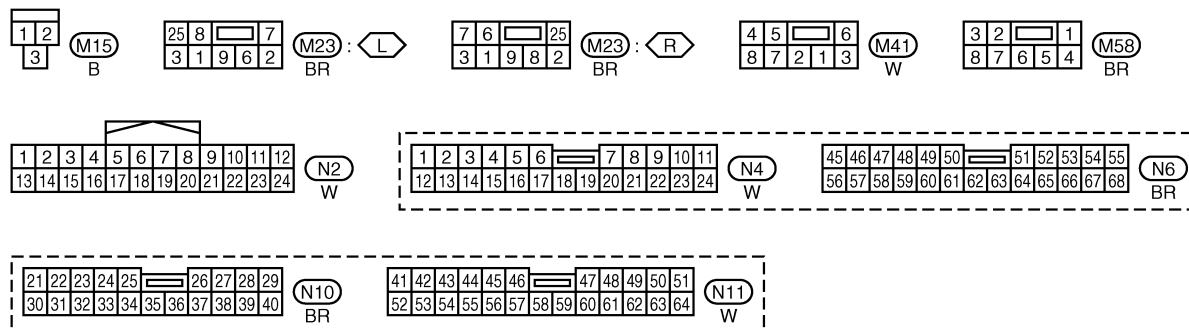
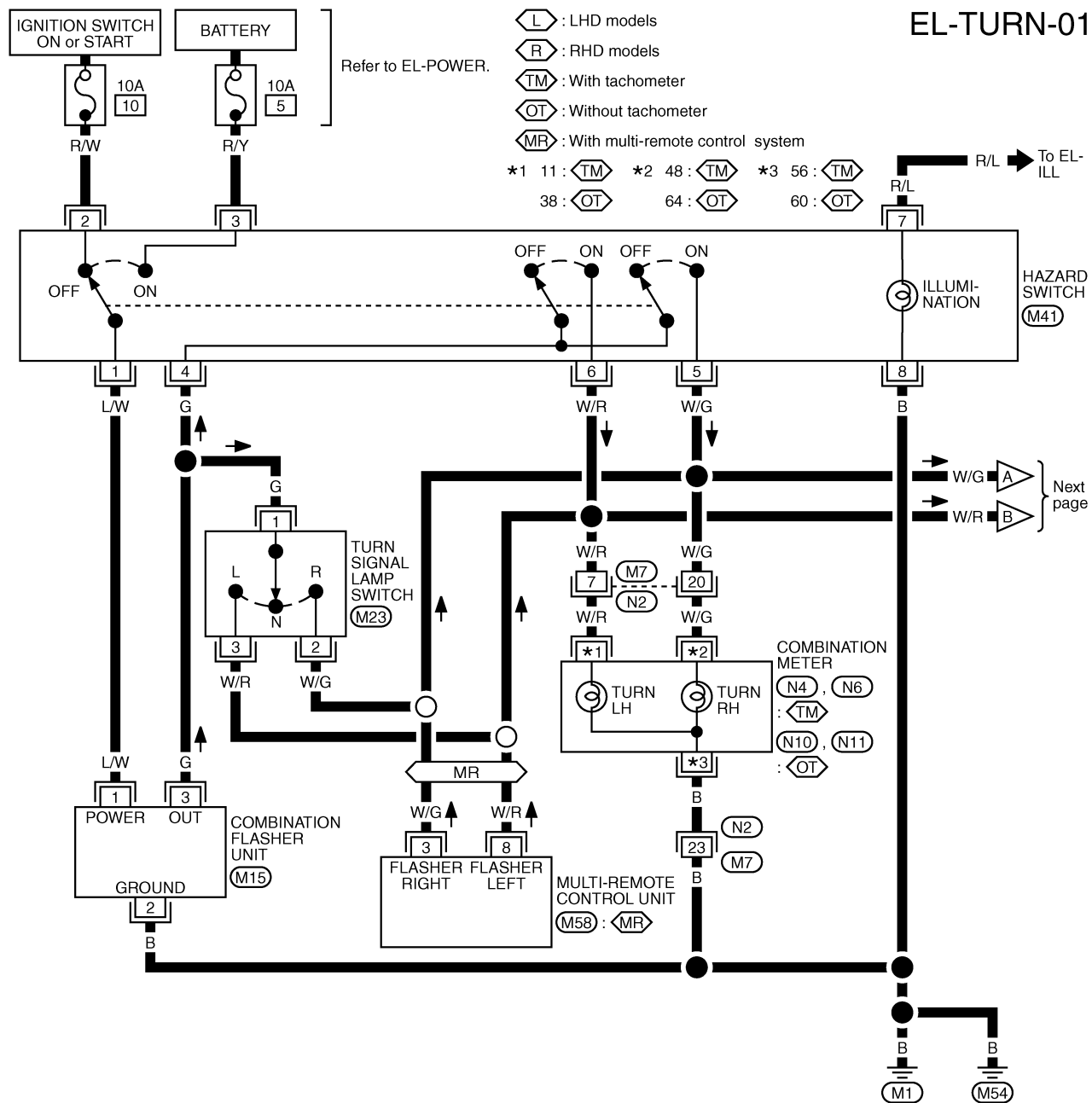
M5, E101



# TURN SIGNAL AND HAZARD WARNING LAMPS


## Wiring Diagram — TURN —

EL-TURN-01



### Wiring Diagram — TURN — (Cont'd)

EL-TURN-02

 : 2WD models with regular rear body for the Middle East

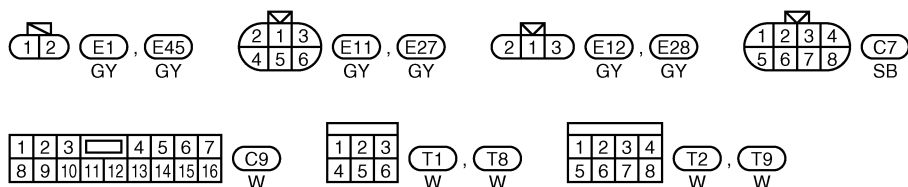
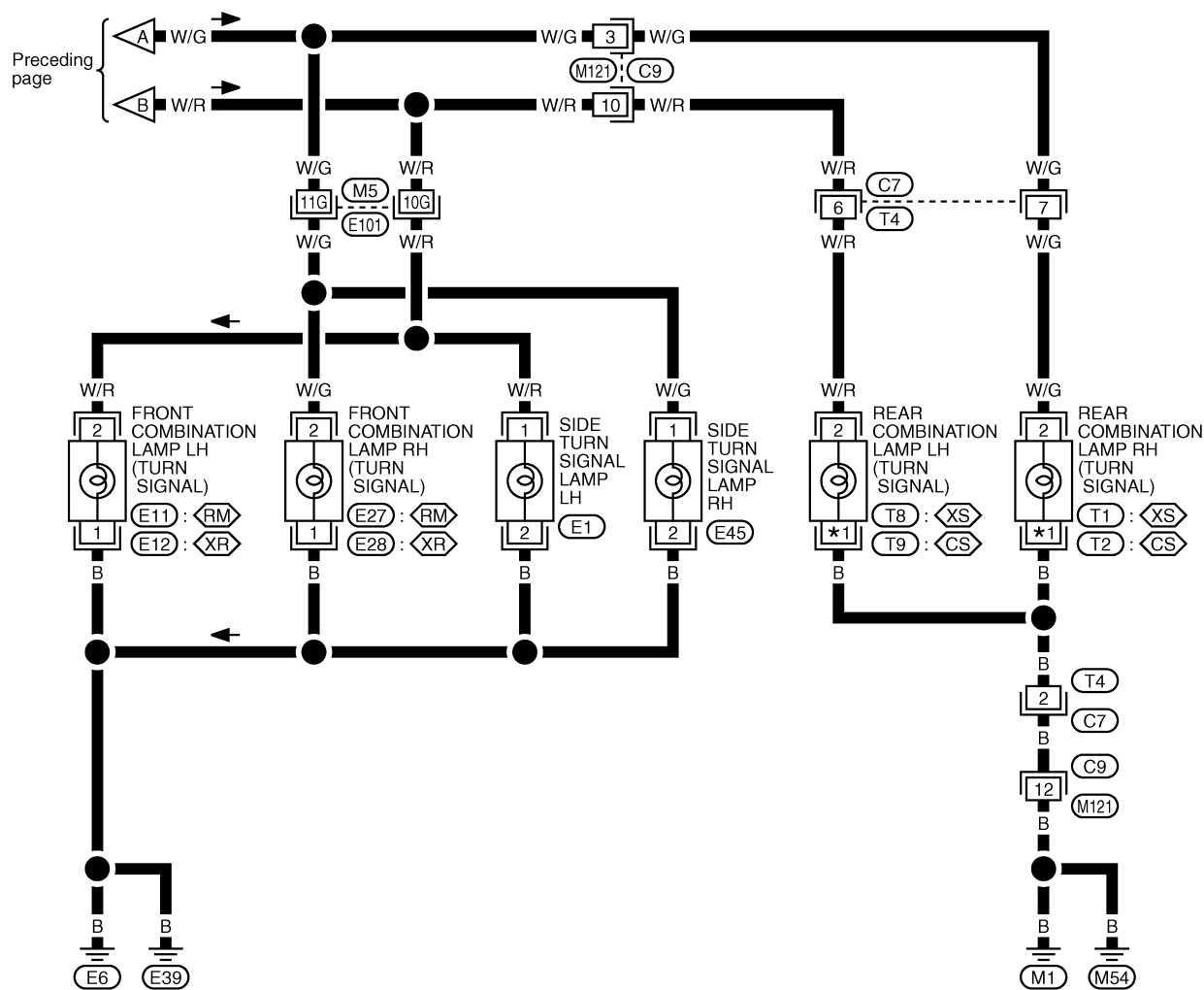
**XR** : Except **RM**

 : With regular rear body except A-chassis

**XS** : Except **CS**

\*1 8: 

6 : XS

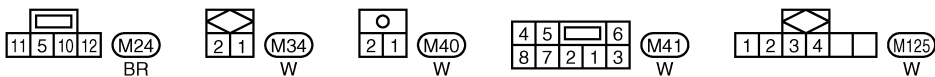
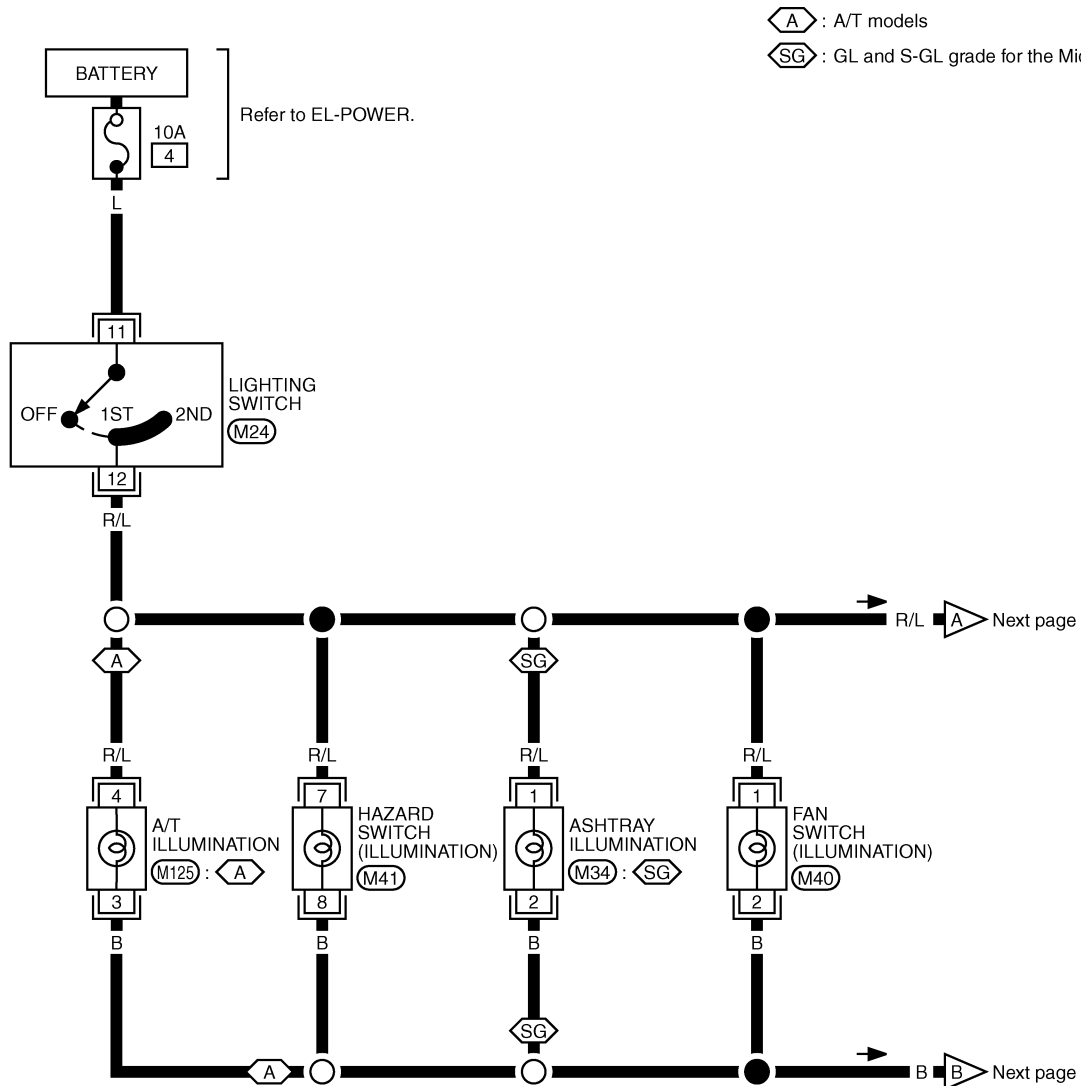


Refer to last page (Foldout page).

M5, E101

## Wiring Diagram — ILL —/LHD Models

EL-ILL-01



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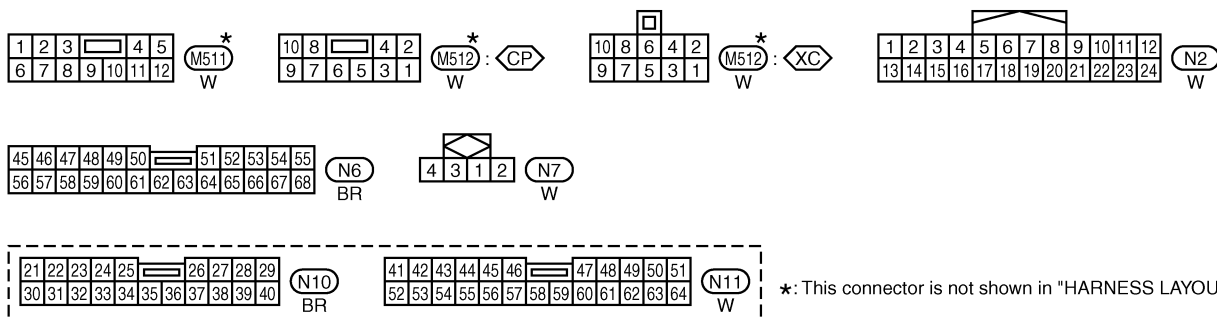
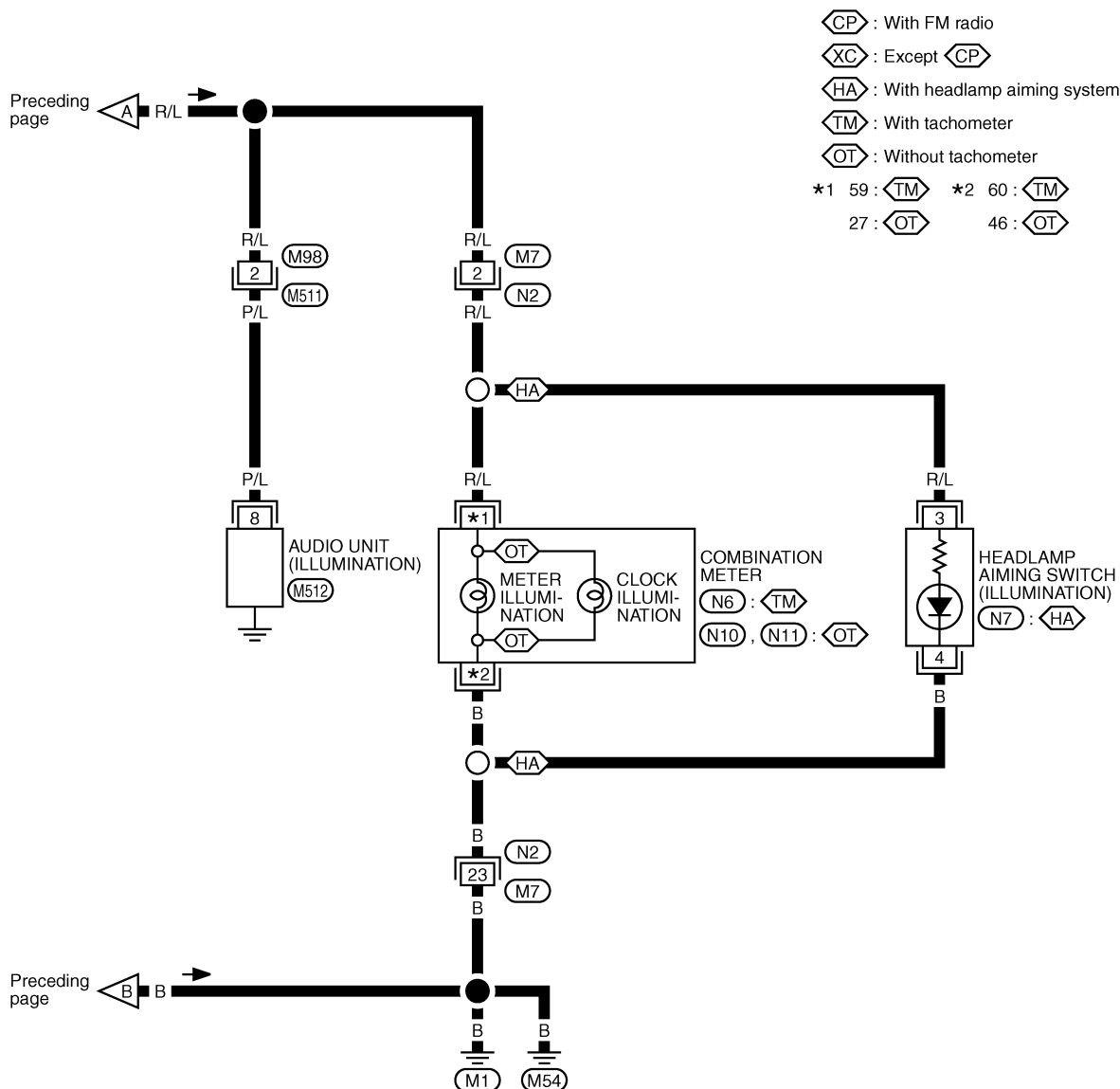
EL

IDX

# ILLUMINATION

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

EL-ILL-02



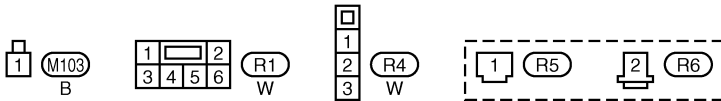
GEL126B



EL-ROOM/L-01

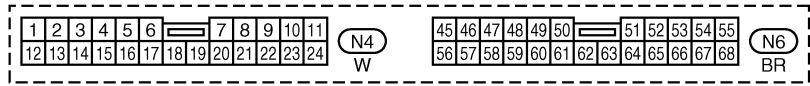
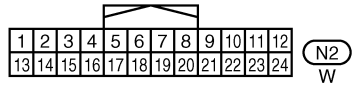
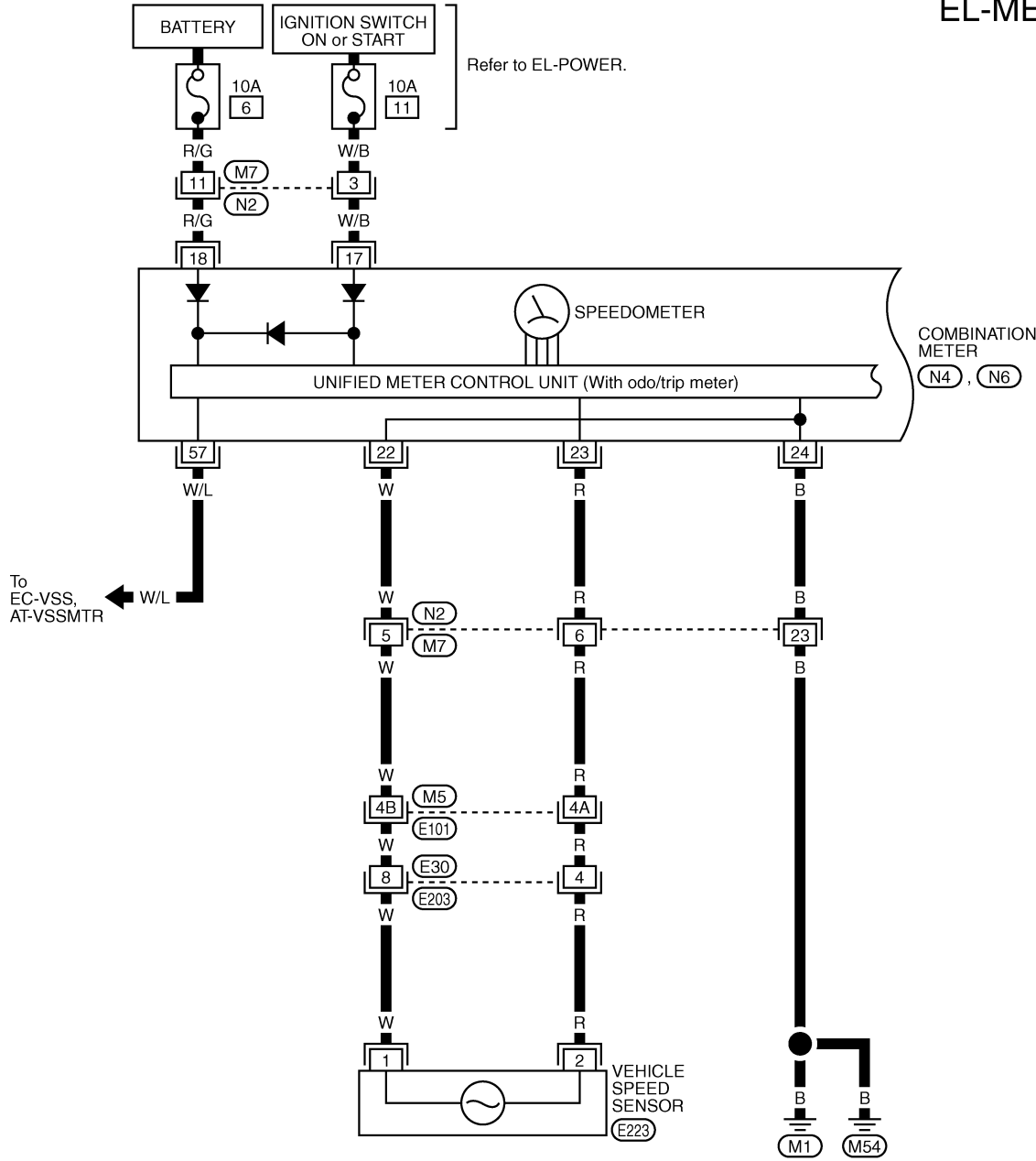
 : Single cab models

 : Double cab models



Wiring Diagram — METER —/Gasoline Engine  
with Tachometer

EL-METER-01



Refer to last page (Foldout page).  
(M5 , E101)

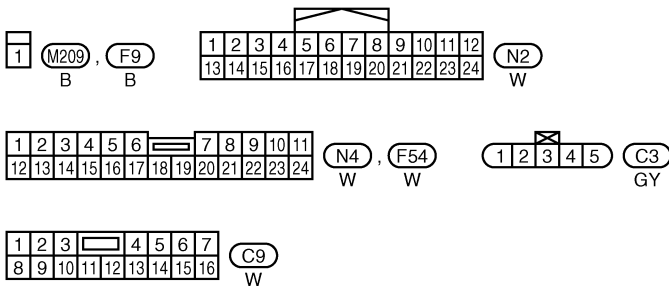
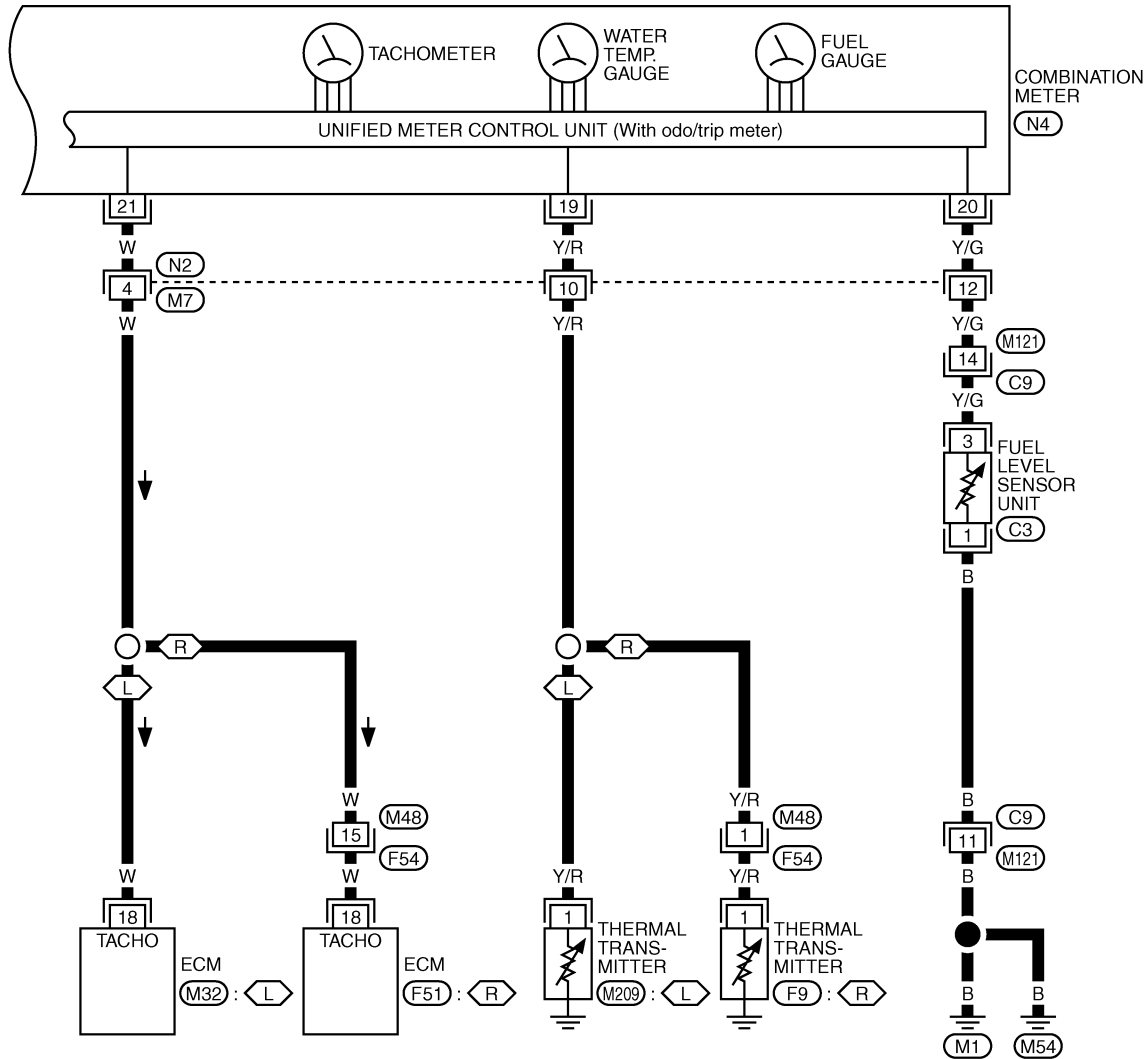
GI  
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# METER AND GAUGES

## Wiring Diagram — METER —/Gasoline Engine with Tachometer (Cont'd)

### EL-METER-02

L : LHD models  
R : RHD models



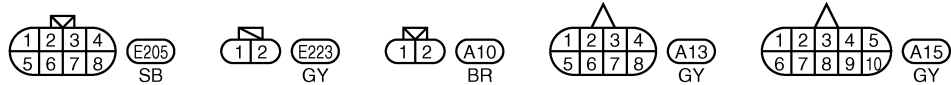
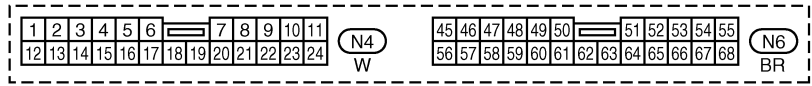
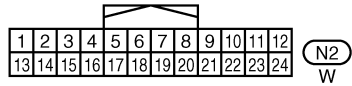
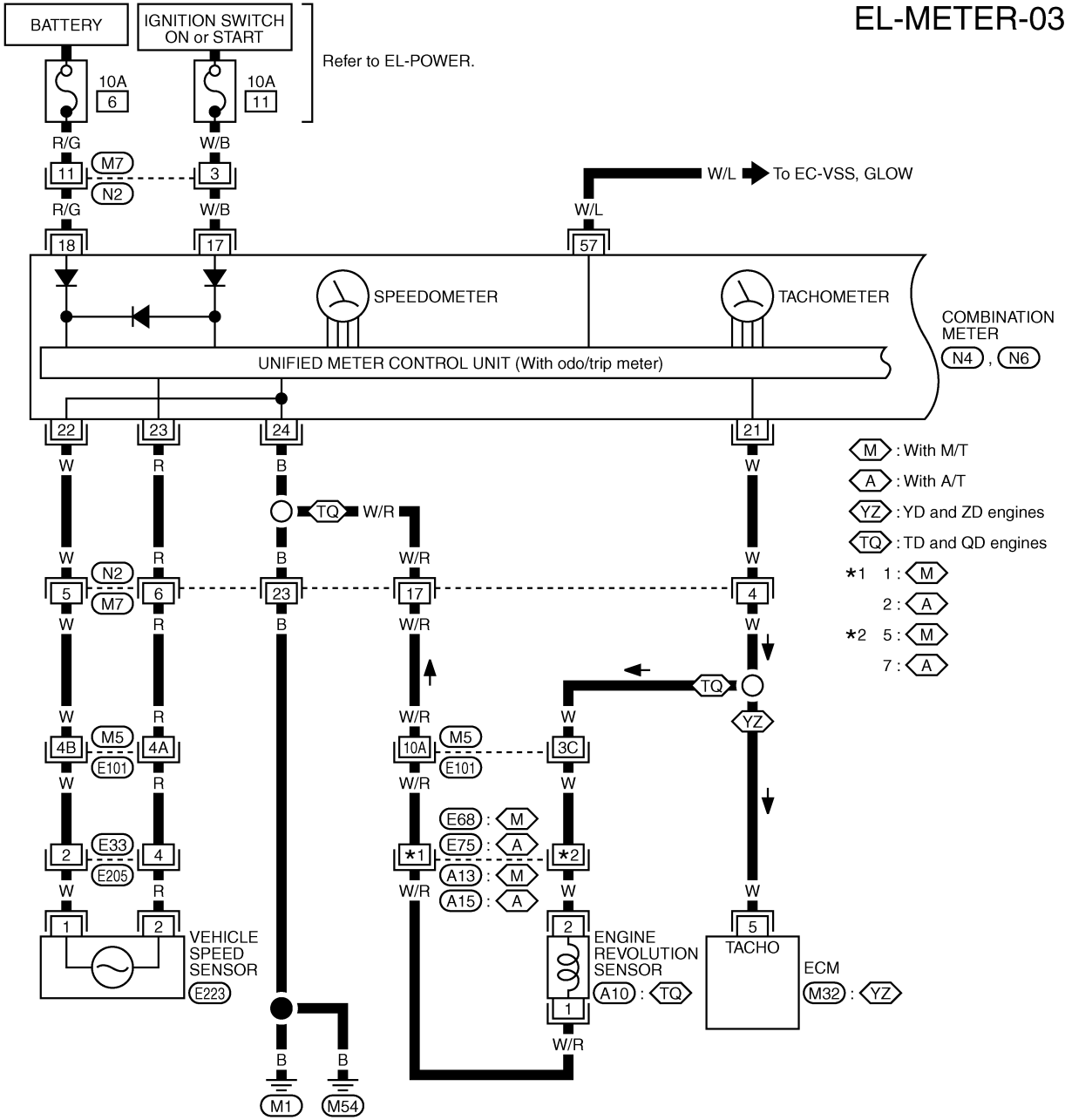
Refer to last page (Foldout page).

M32  
 F51



Wiring Diagram — METER —/LHD Diesel  
Engine Models with Tachometer

EL-METER-03



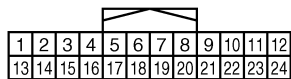
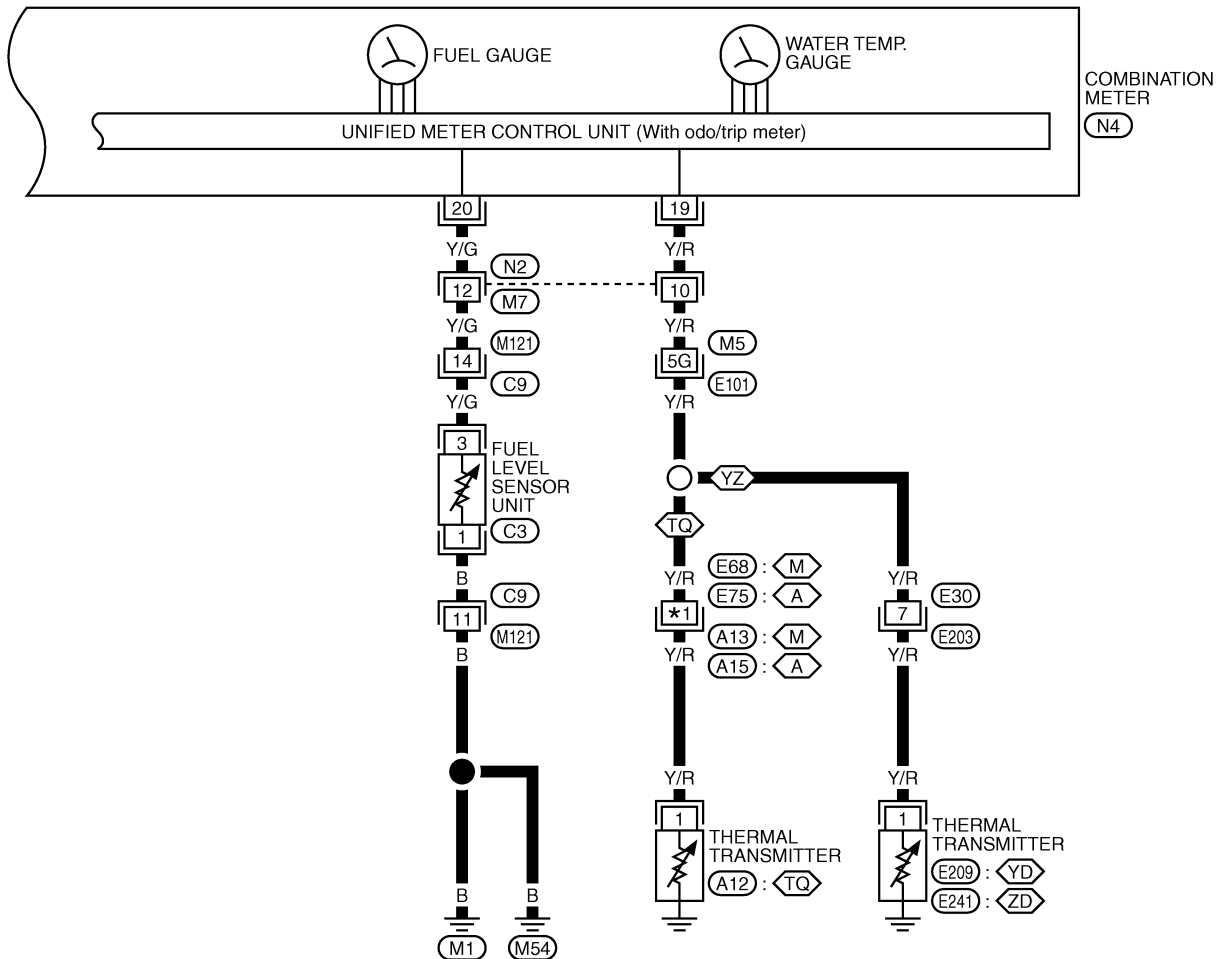
Refer to last page (Foldout page).  
(M5, E101)  
(M32)

# METER AND GAUGES

## Wiring Diagram — METER —/LHD Diesel Engine Models with Tachometer (Cont'd)

EL-METER-04

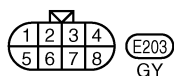
- : With M/T
- : With A/T
- : YD engine
- : ZD engine
- : YD and ZD engines
- : TD and QD engines
- \*1 7 :
- 9 :



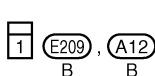
(N2)  
W



(N4)  
W



(E203)  
GY

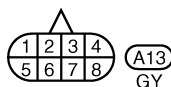


(E209)  
B

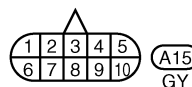
(A12)  
B



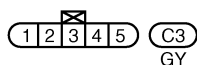
(E241)  
B



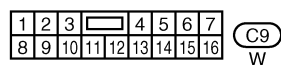
(A13)  
GY



(A15)  
GY



(C3)  
GY



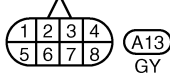
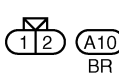
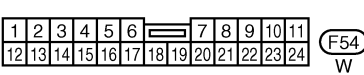
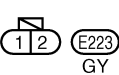
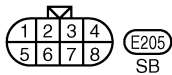
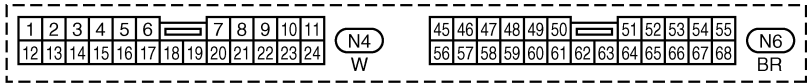
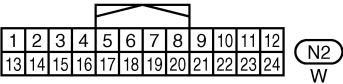
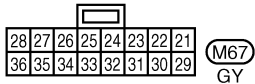
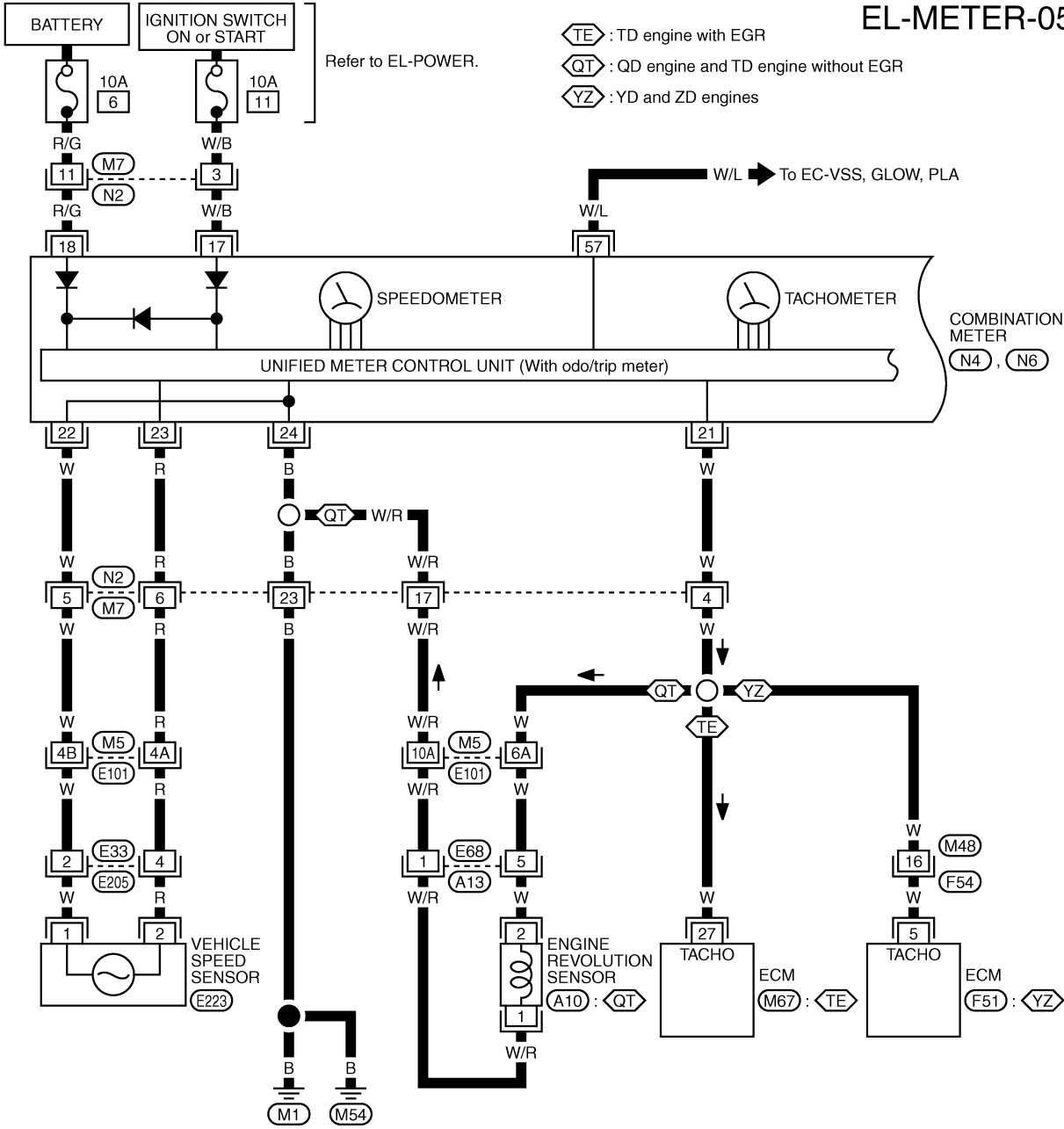
(C9)  
W

Refer to last page (Foldout page).

(M5), (E101)

Wiring Diagram — METER —/RHD Diesel  
Engine Models with Tachometer

EL-METER-05







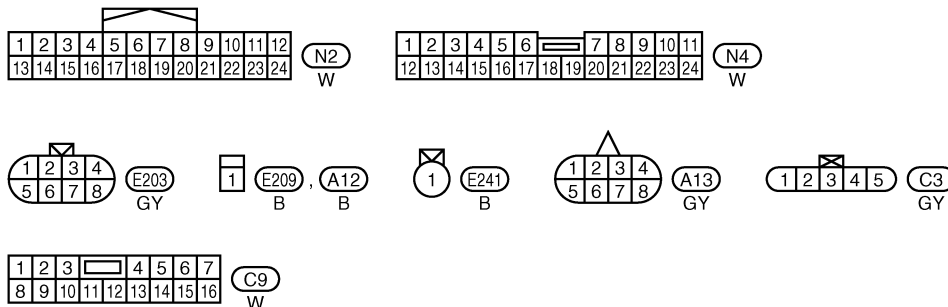
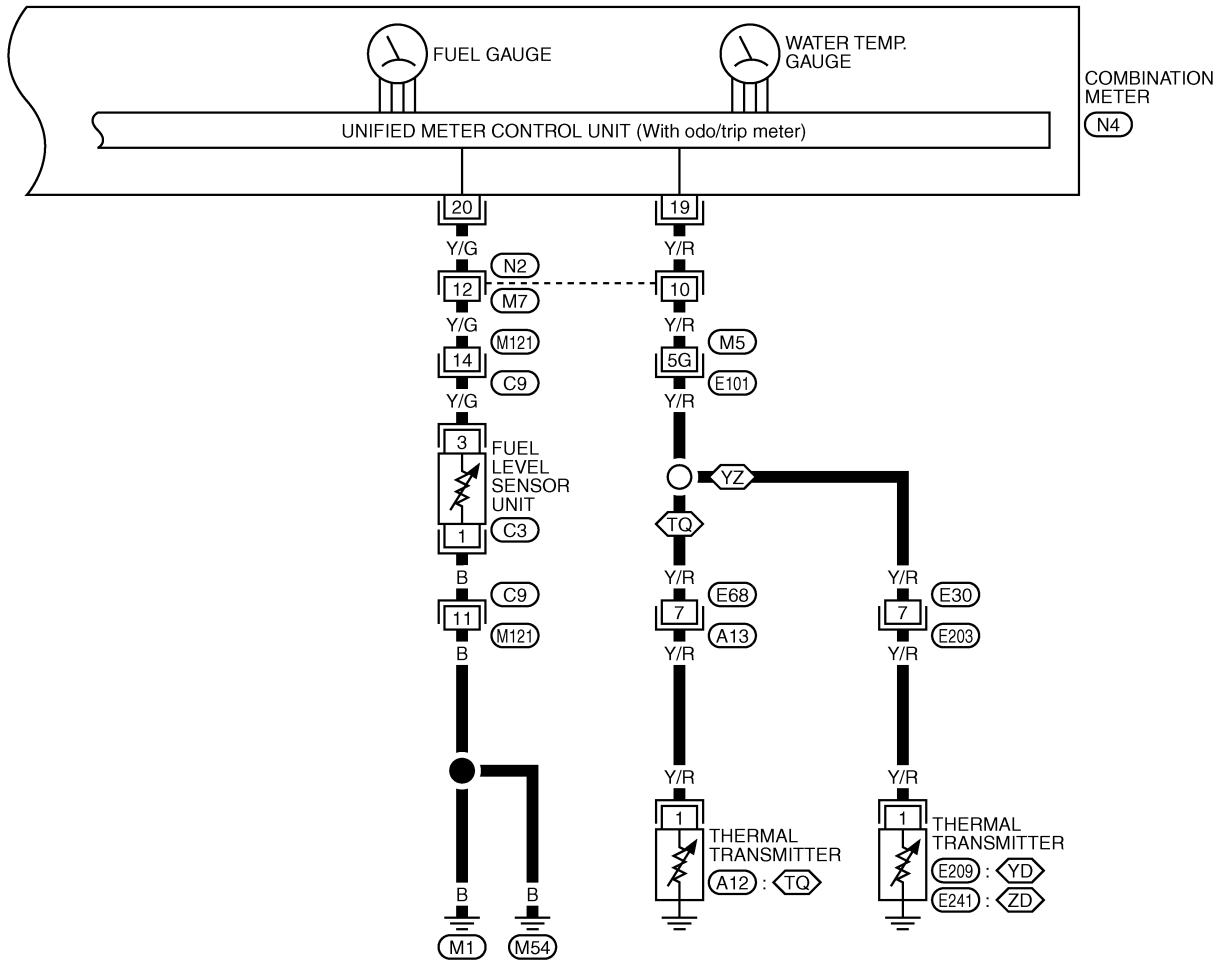
Refer to last page (Foldout page).  
(M5), (E101)  
(F51)

EL

## Wiring Diagram — METER —/RHD Diesel Engine Models with Tachometer (Cont'd)

EL-METER-06

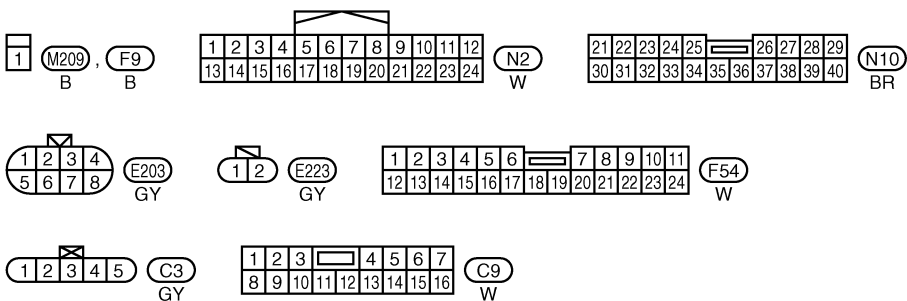
 : YD engine  
 : ZD engine  
 : YD and ZD engines  
 : TD and QD engines



Refer to last page (Foldout page).  
M5, E101

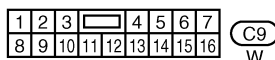
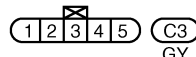
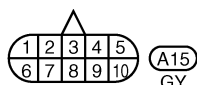
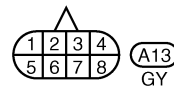
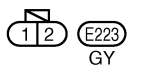
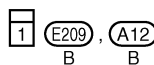
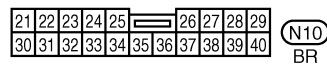
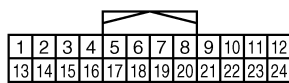
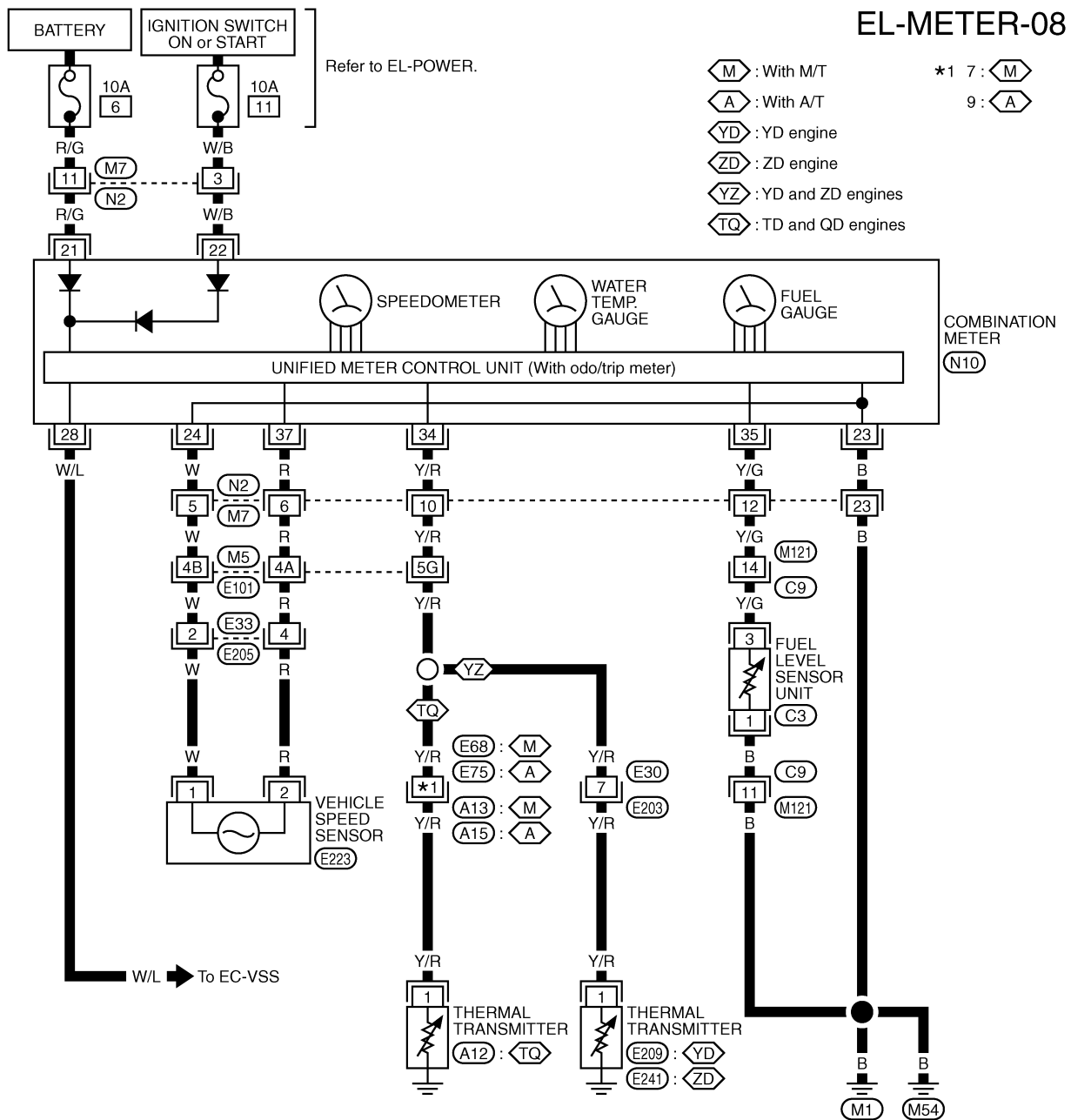
## EL-METER-07

 : RHD models



M5, E101

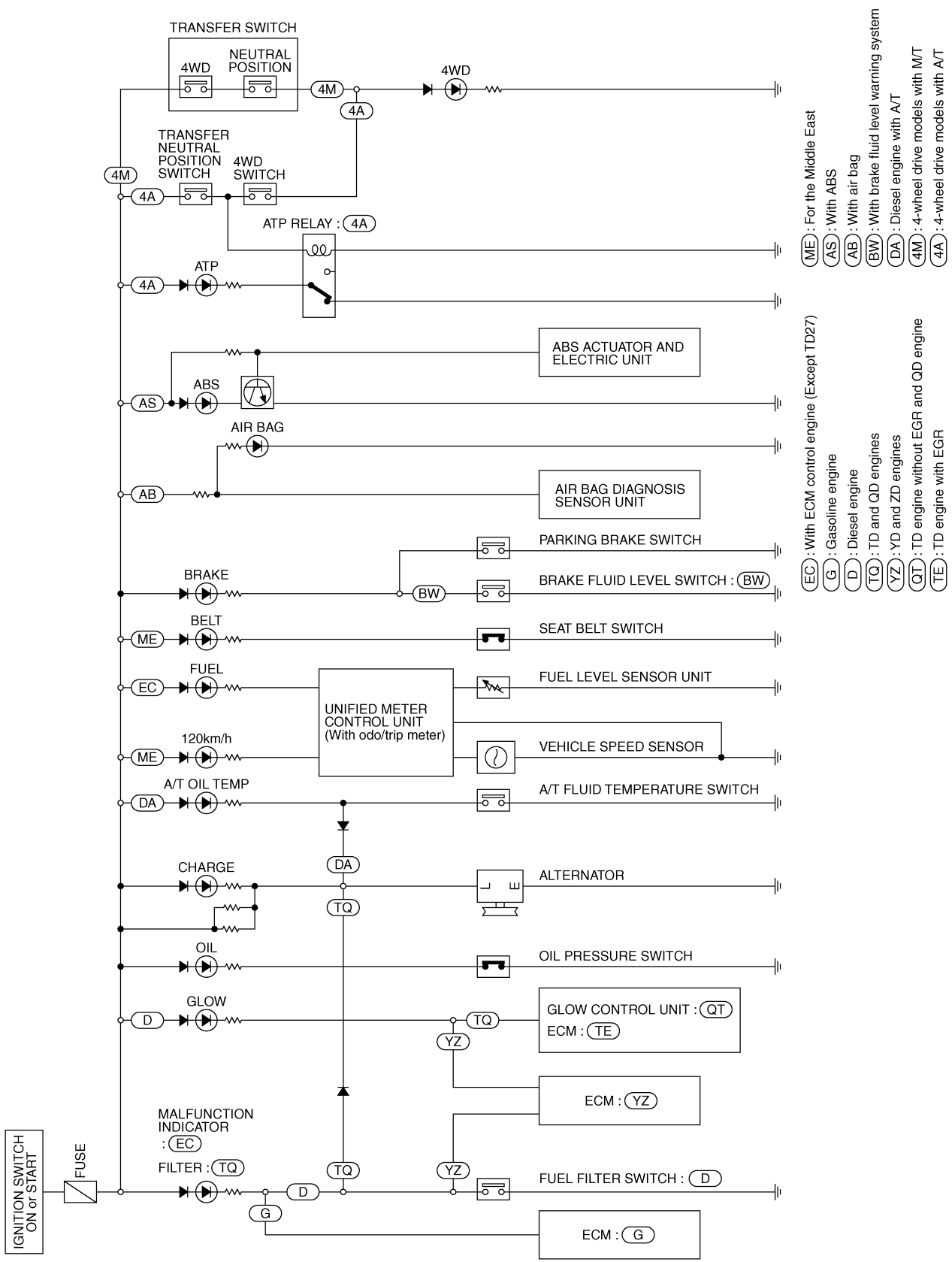
## Wiring Diagram — METER —/Diesel Engine without Tachometer



Refer to last page (Foldout page).

(M5, E101)

Schematic/With Tachometer



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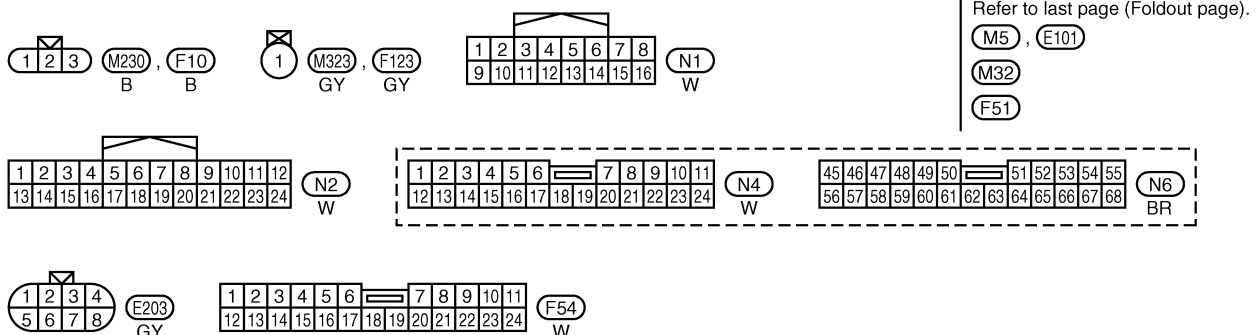
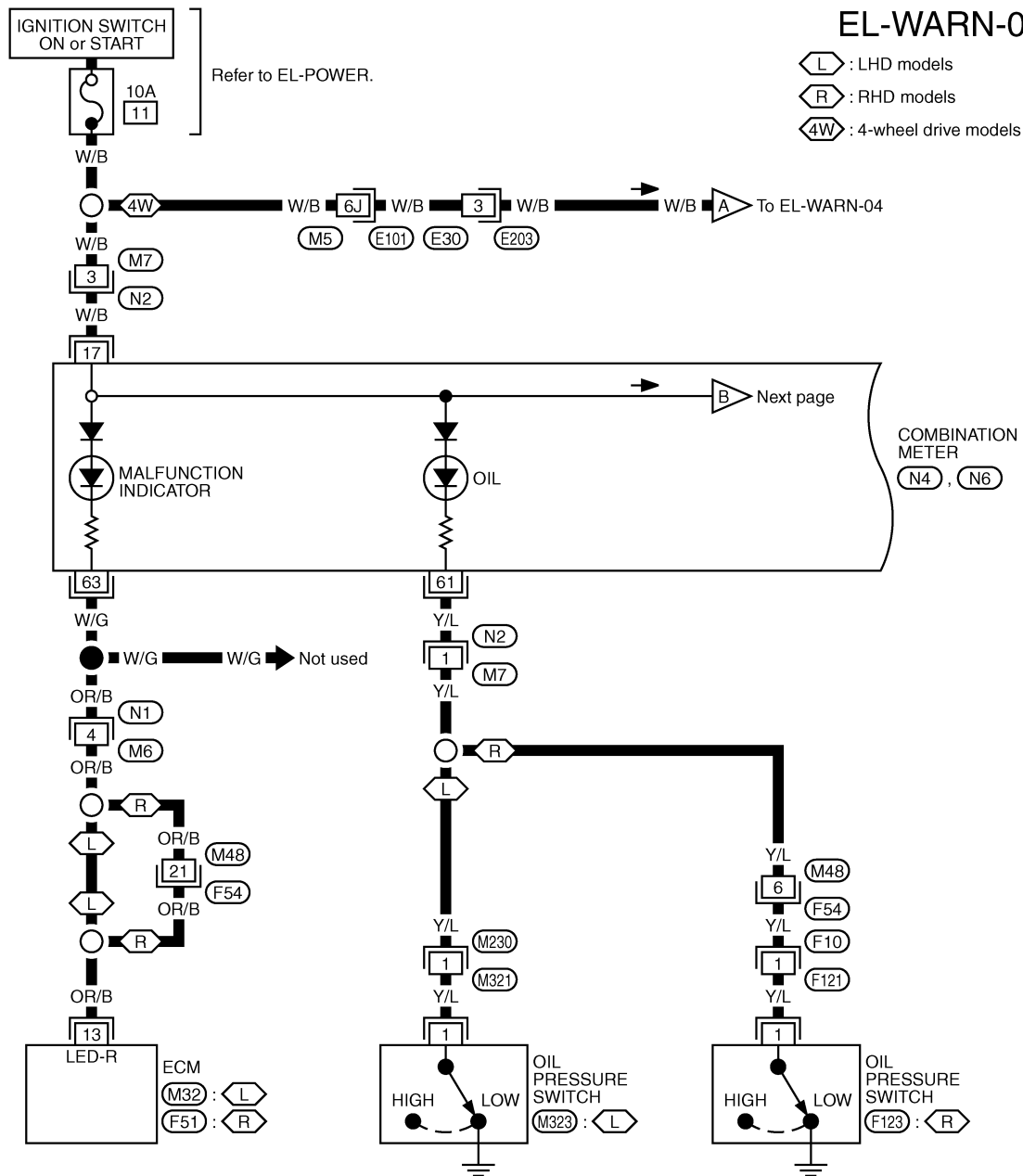
IDX

# WARNING LAMPS

## Wiring Diagram — WARN —/Gasoline Engine with Tachometer

EL-WARN-01

- L : LHD models
- R : RHD models
- 4W : 4-wheel drive models



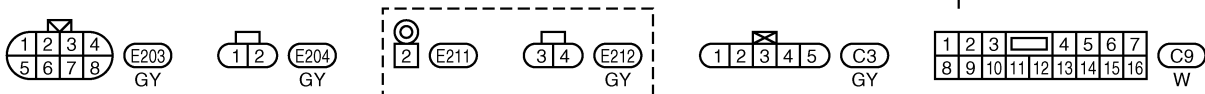
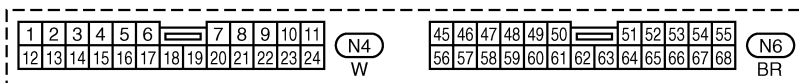
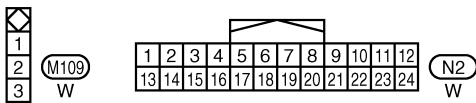
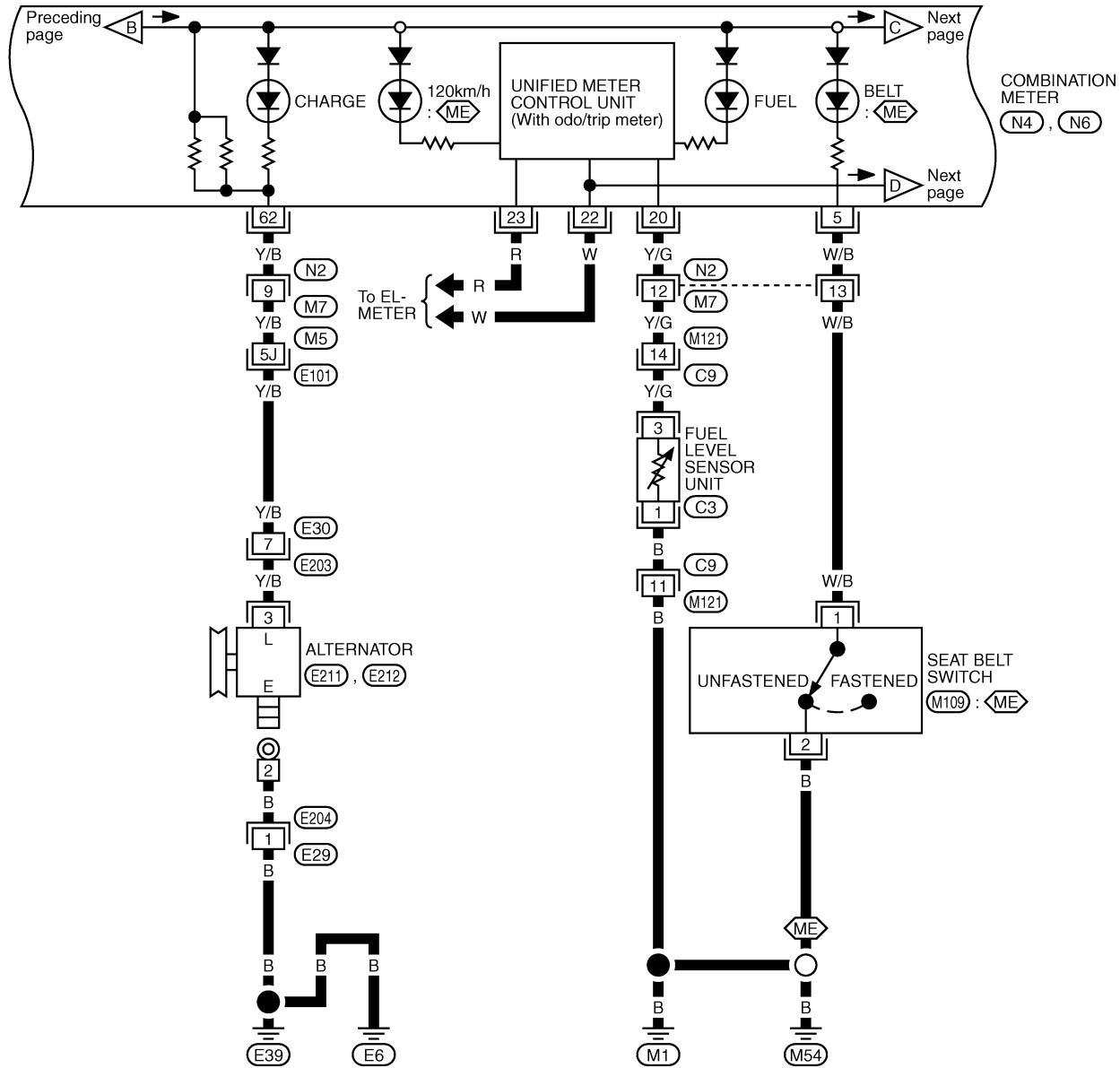


# WARNING LAMPS

## Wiring Diagram — WARN —/Gasoline Engine with Tachometer (Cont'd)

EL-WARN-02

ME : For the Middle East



Refer to last page (Foldout page).  
M5, E101

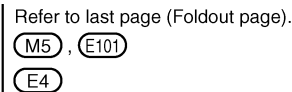
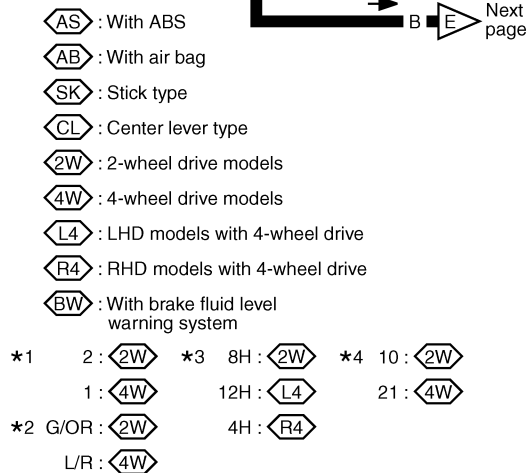
EL

IDX

GEL139B

## Wiring Diagram — WARN —/Gasoline Engine with Tachometer (Cont'd)

COMBINATION  
METER  
(N4), (N6)

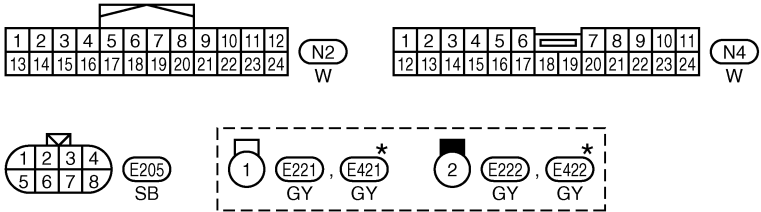
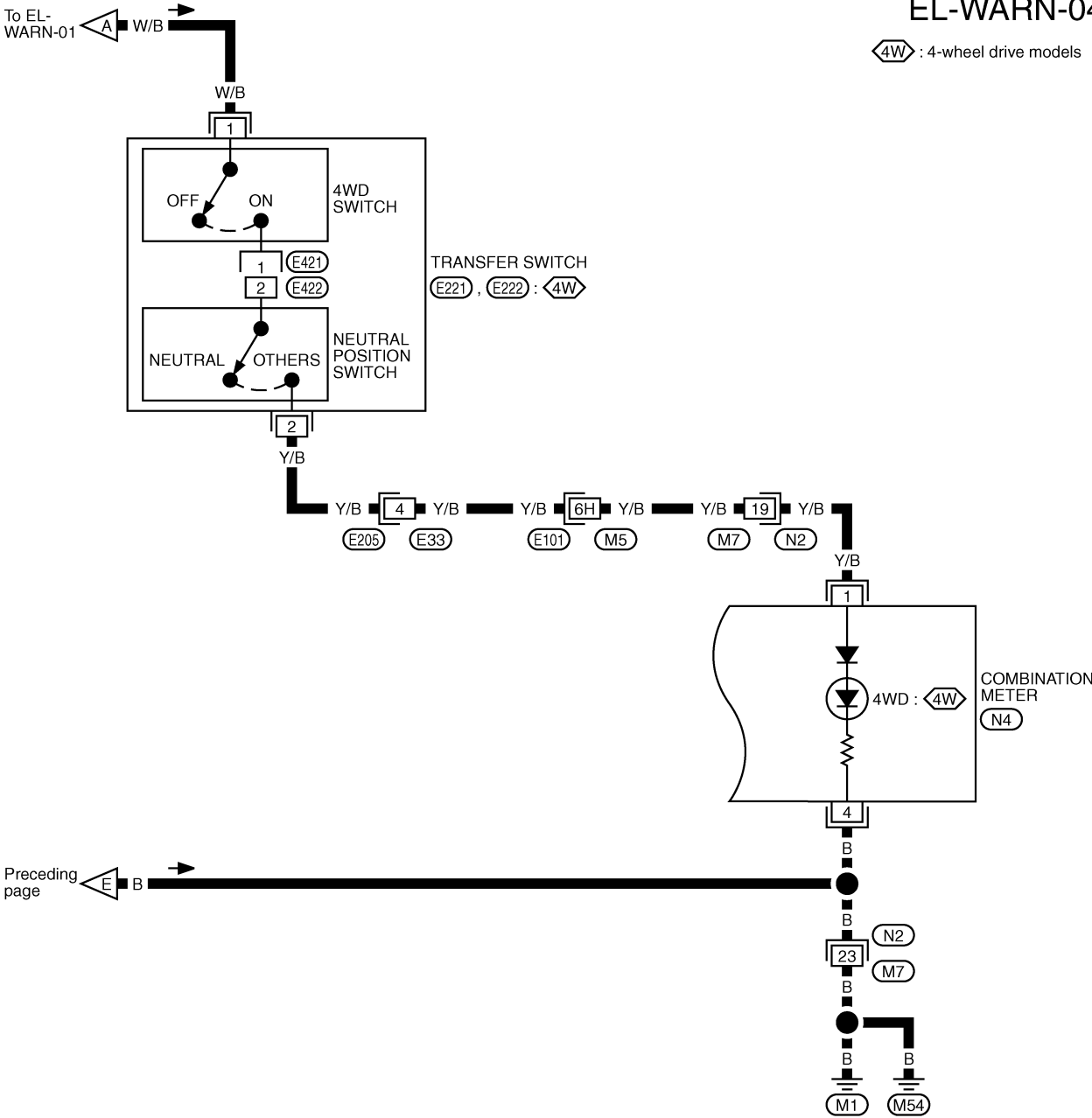


WARNING LAMPS

Wiring Diagram — WARN —/Gasoline Engine with Tachometer (Cont'd)

EL-WARN-04

4W : 4-wheel drive models



☆: This connector is not shown in "HARNESS LAYOUT".

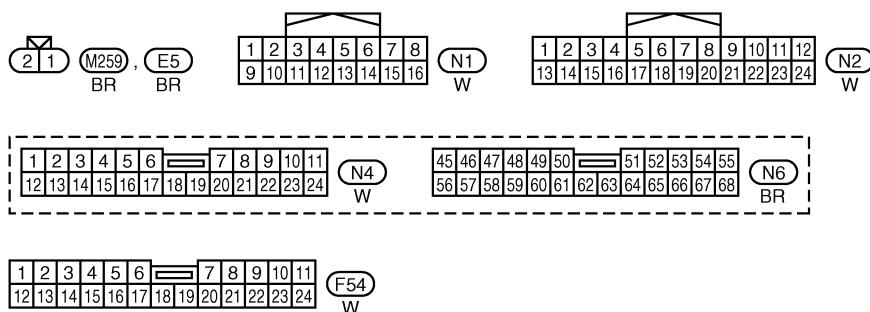
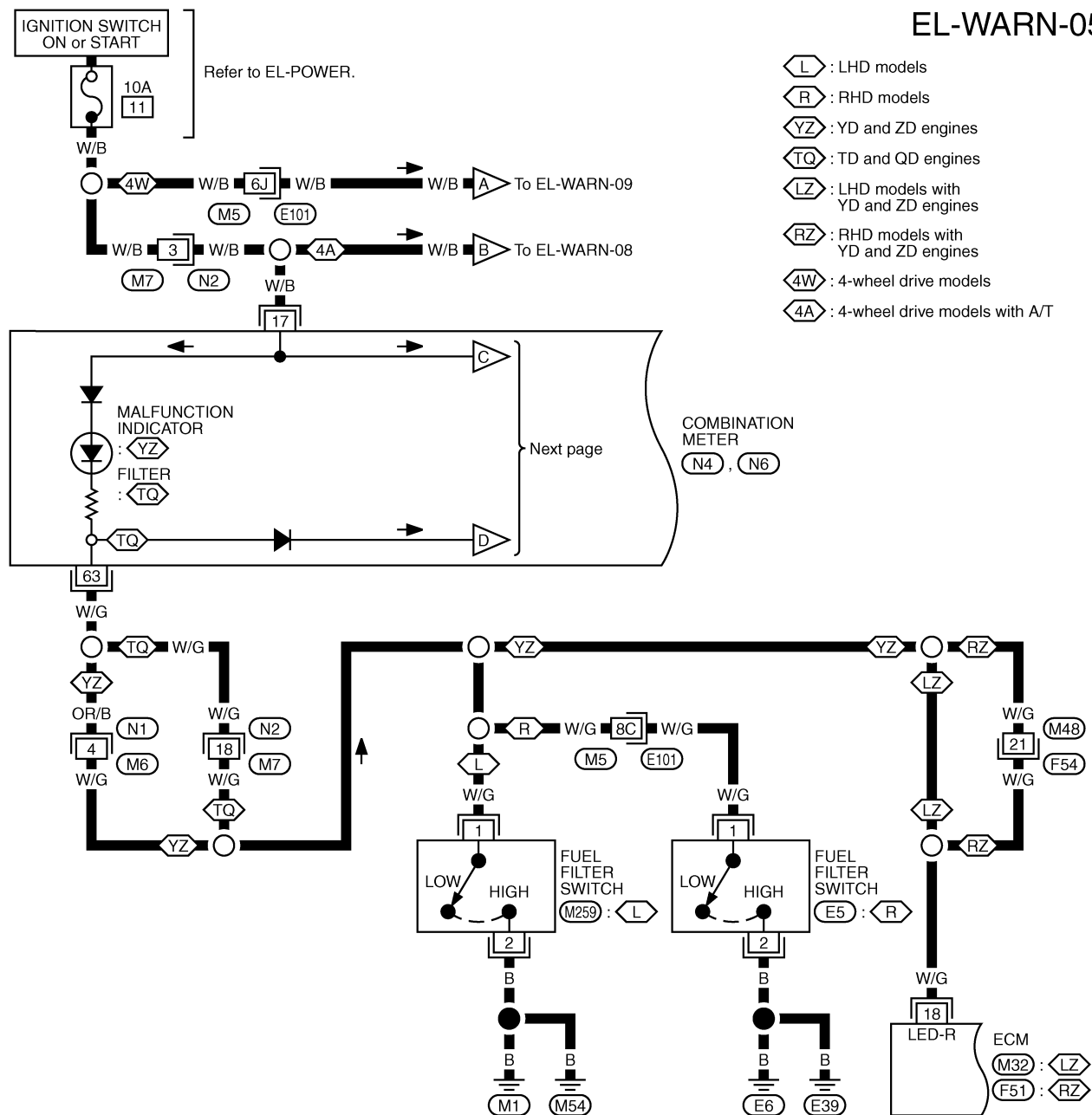
Refer to last page (Foldout page).

M5, E101

# WARNING LAMPS

## Wiring Diagram — WARN —/Diesel Engine with Tachometer

EL-WARN-05



Refer to last page (Foldout page).

(M5), (E101)

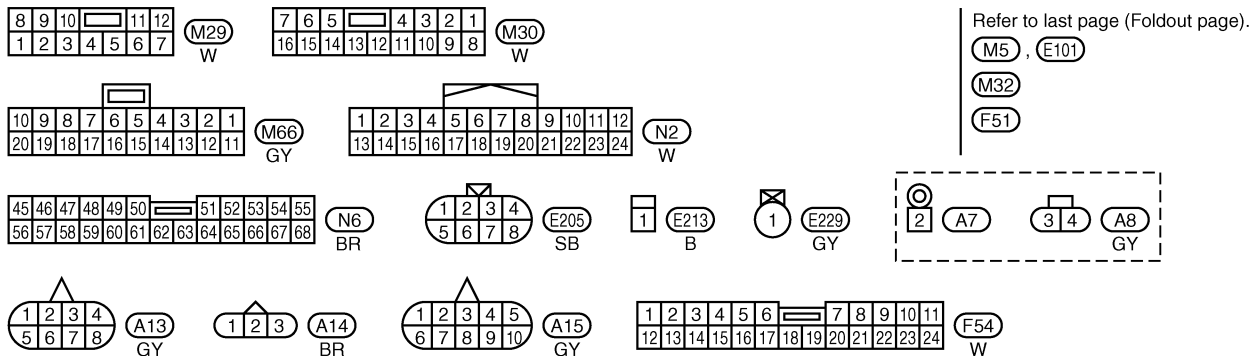
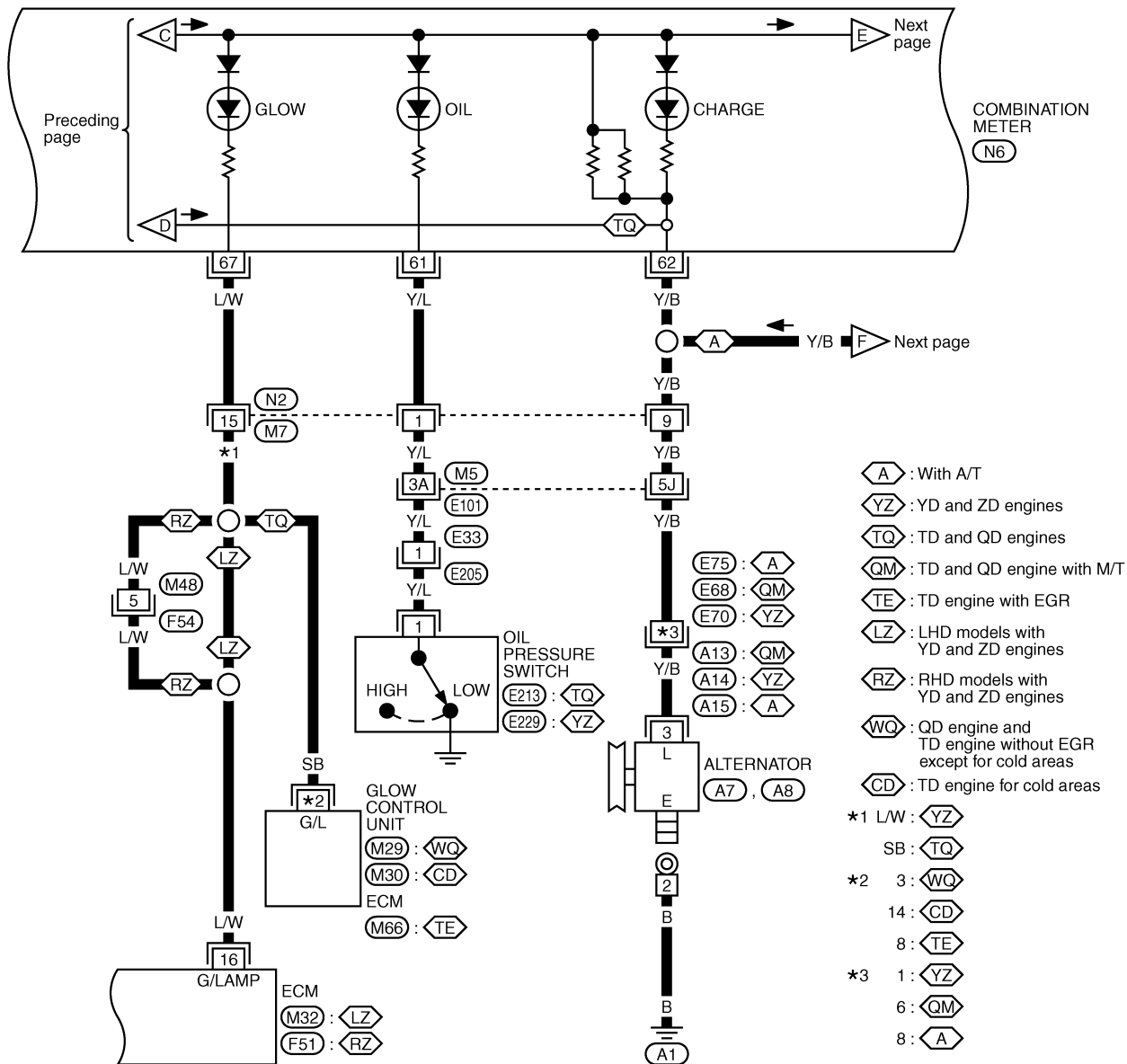
(M32)

(F51)

## Wiring Diagram — WARN —/Diesel Engine with Tachometer (Cont'd)

## Wiring Diagram — WARN —/Diesel Engine with Tachometer (Cont'd)

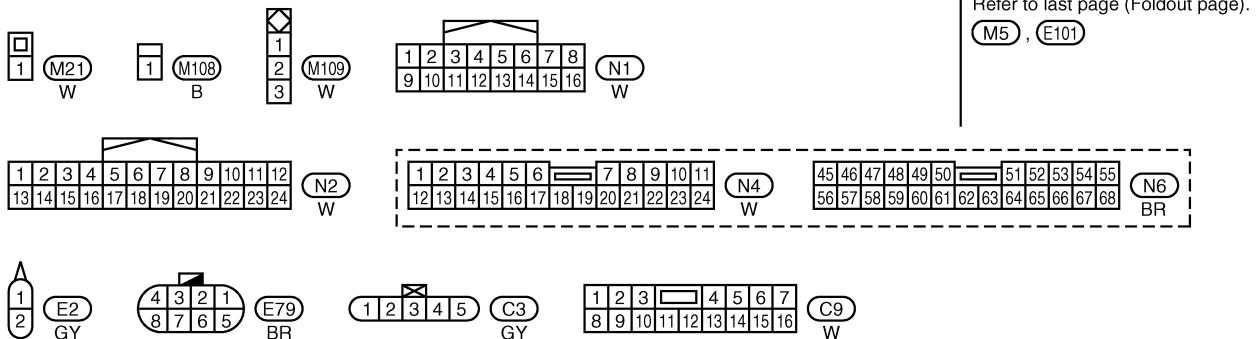
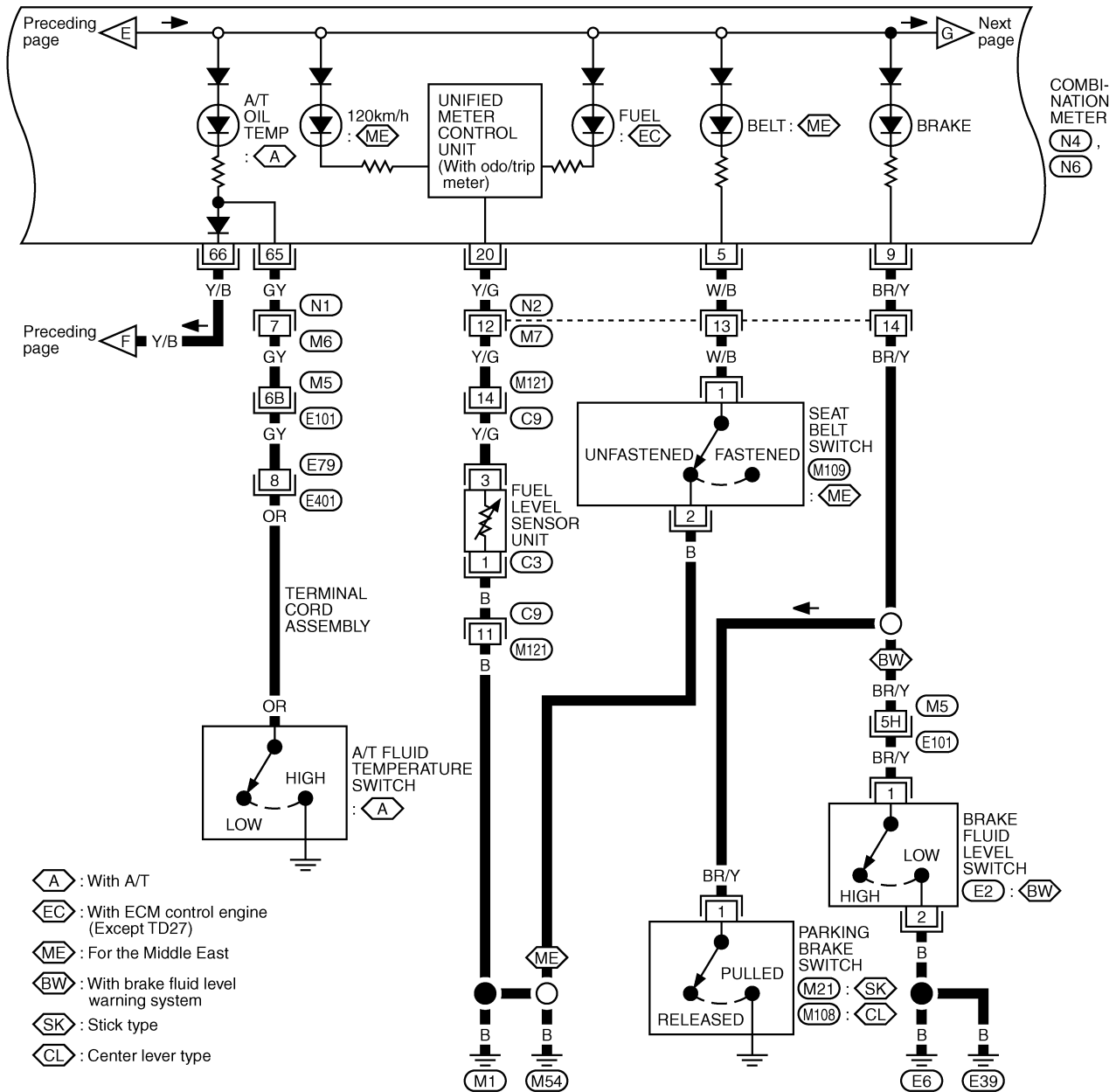
EL-WARN-06



# WARNING LAMPS

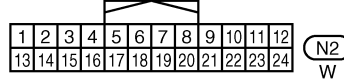
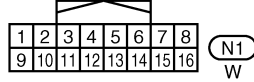
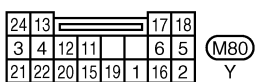
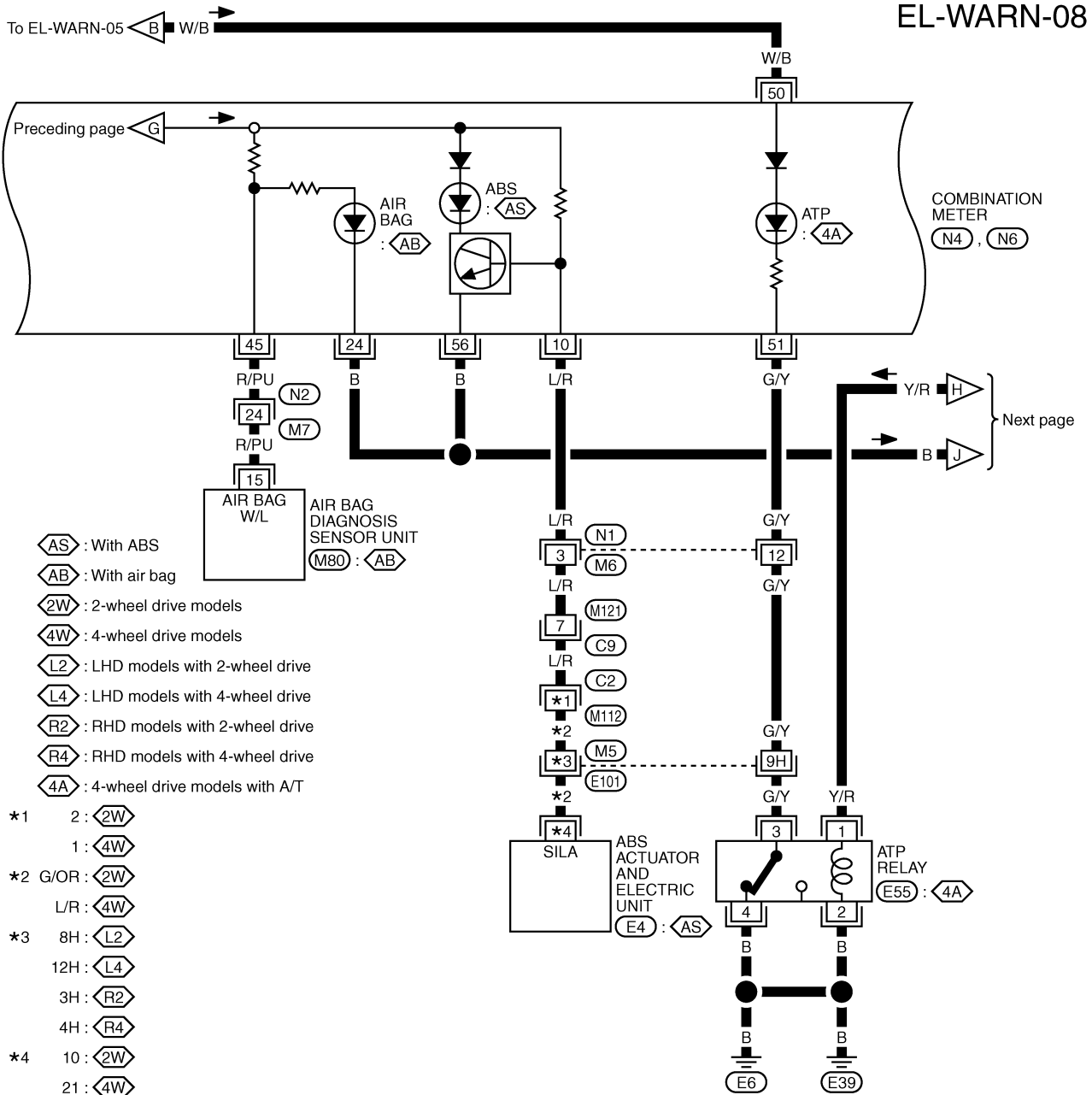
## Wiring Diagram — WARN —/Diesel Engine with Tachometer (Cont'd)

EL-WARN-07



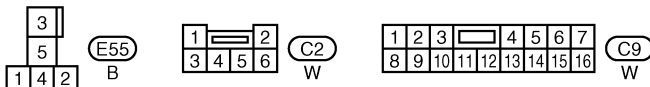
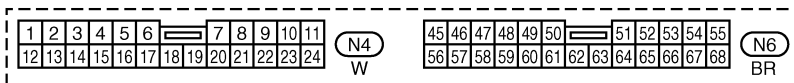
# WARNING LAMPS

## Wiring Diagram — WARN —/Diesel Engine with Tachometer (Cont'd)



Refer to last page (Foldout page).

(M5), (E101)  
(E4)

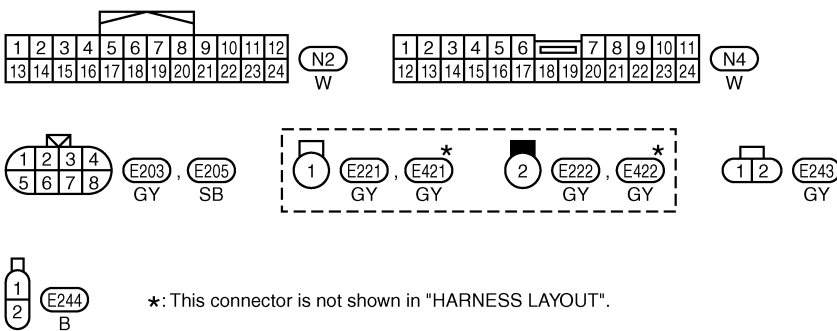
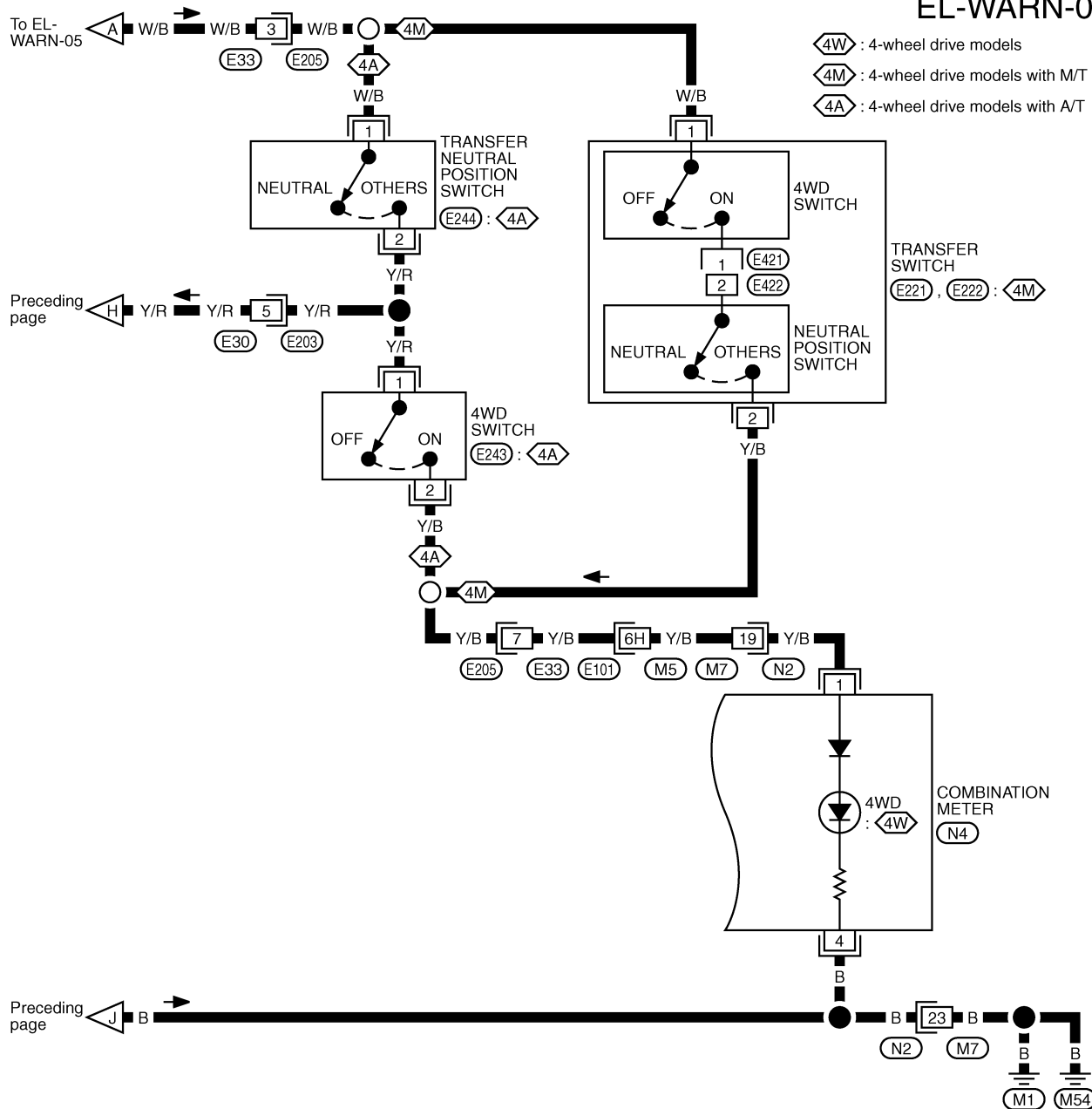


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# WARNING LAMPS

## Wiring Diagram — WARN —/Diesel Engine with Tachometer (Cont'd)

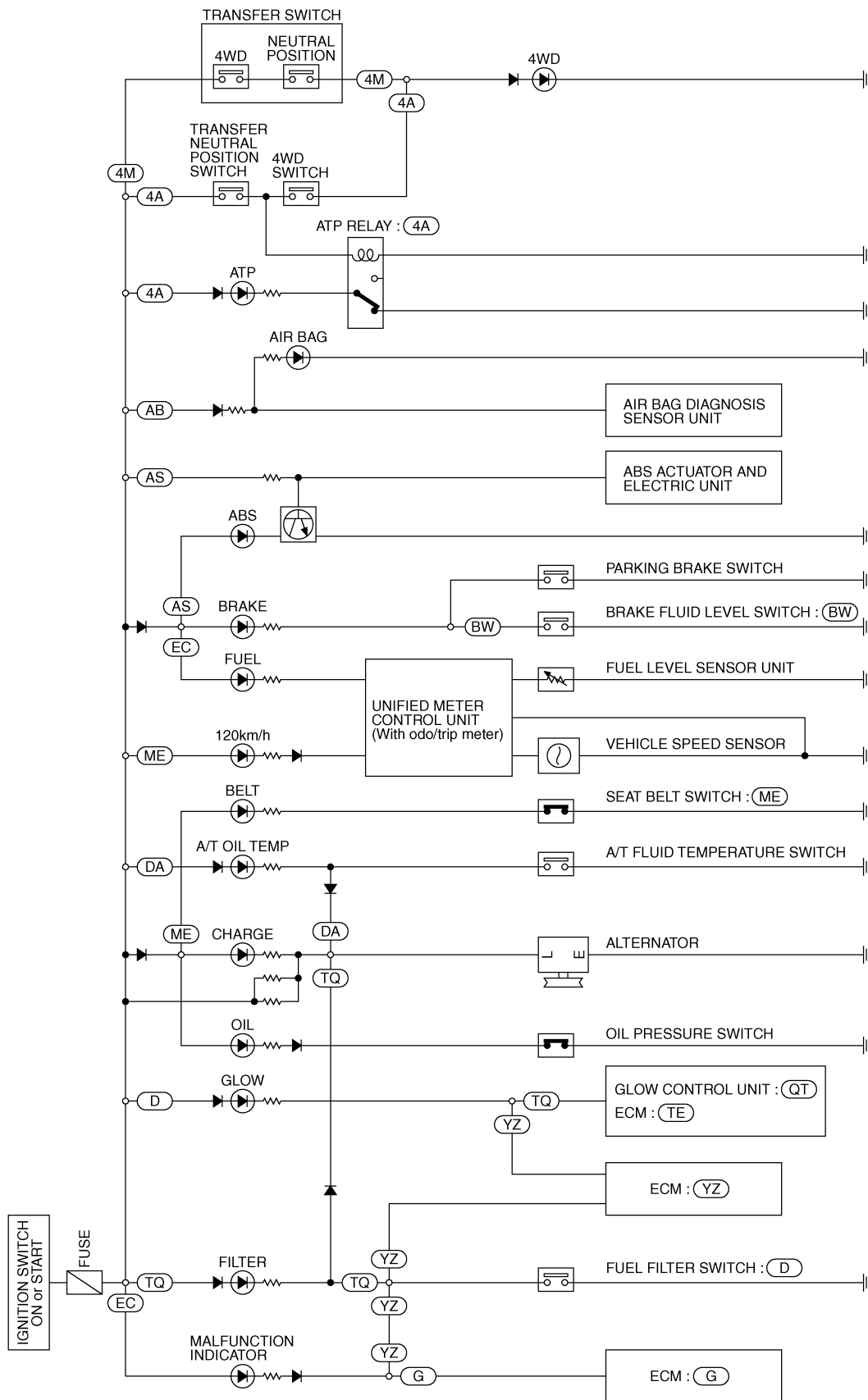
EL-WARN-09



Refer to last page (Foldout page).  
(M5, E101)



## Schematic/Without Tachometer



(ME) : For the Middle East  
 (AS) : With ABS  
 (AB) : With air bag  
 (BW) : With brake fluid level warning system  
 (DA) : Diesel engine with A/T  
 (4M) : 4-wheel drive models with M/T  
 (4A) : 4-wheel drive models with A/T  
 (EC) : With ECM control engine (Except TD27)  
 (G) : Gasoline engine  
 (D) : Diesel engine  
 (TQ) : TD and QD engines  
 (YZ) : YD and ZD engines  
 (QT) : TD engine without EGR and QD engine  
 (TE) : TD engine with EGR

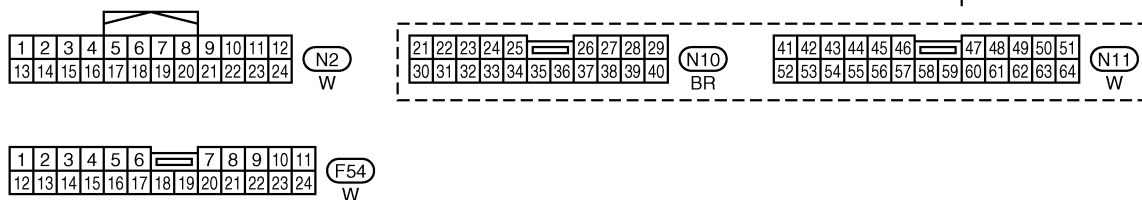
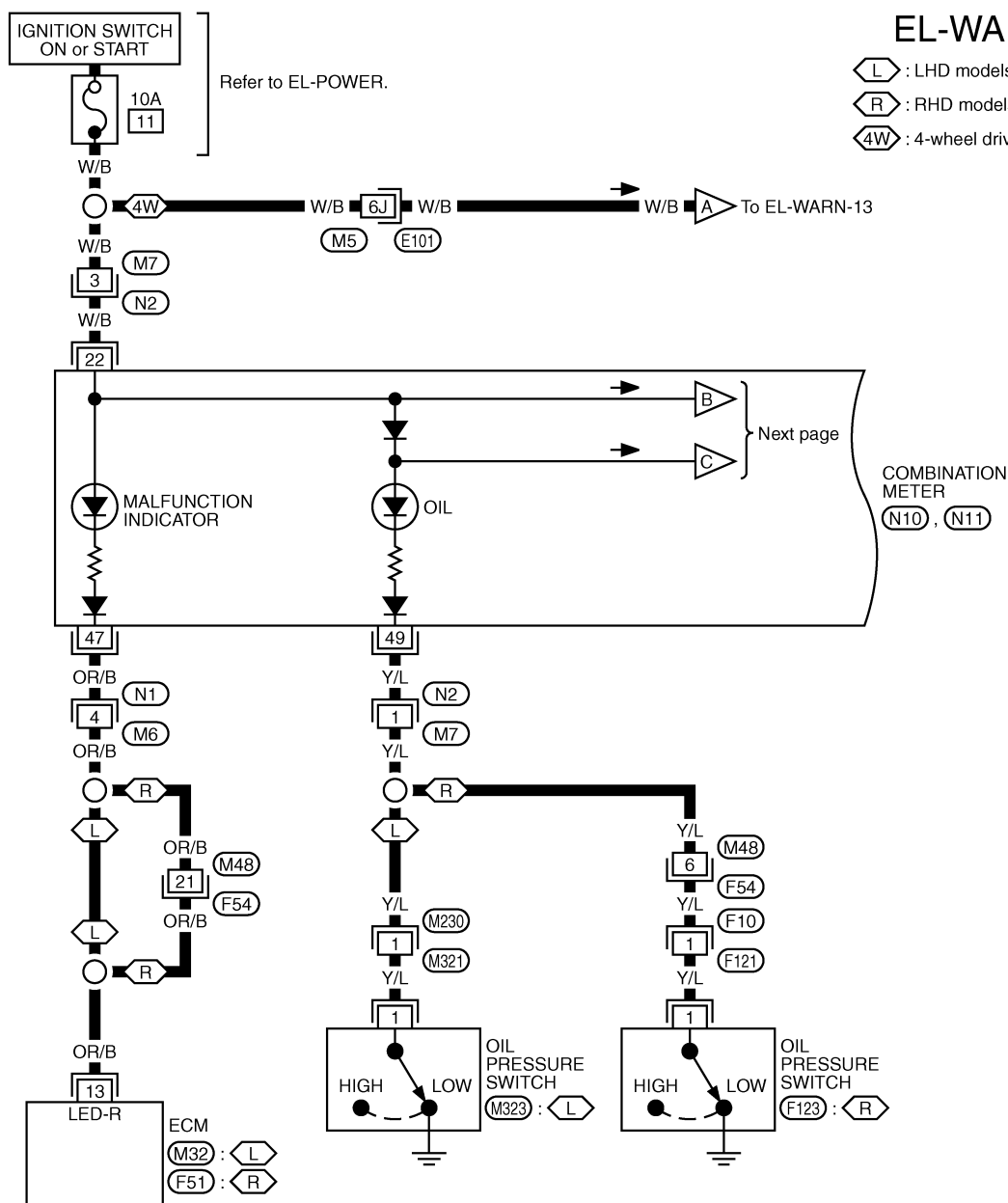
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 IDX

# WARNING LAMPS

## Wiring Diagram — WARN —/Gasoline Engine without Tachometer

### EL-WARN-10

- L : LHD models
- R : RHD models
- 4W : 4-wheel drive models

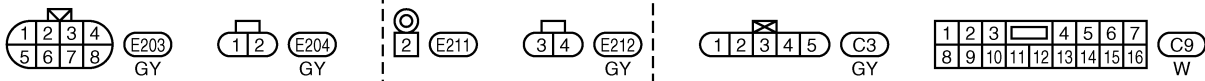
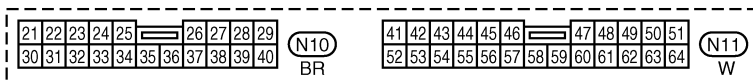
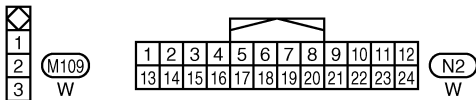
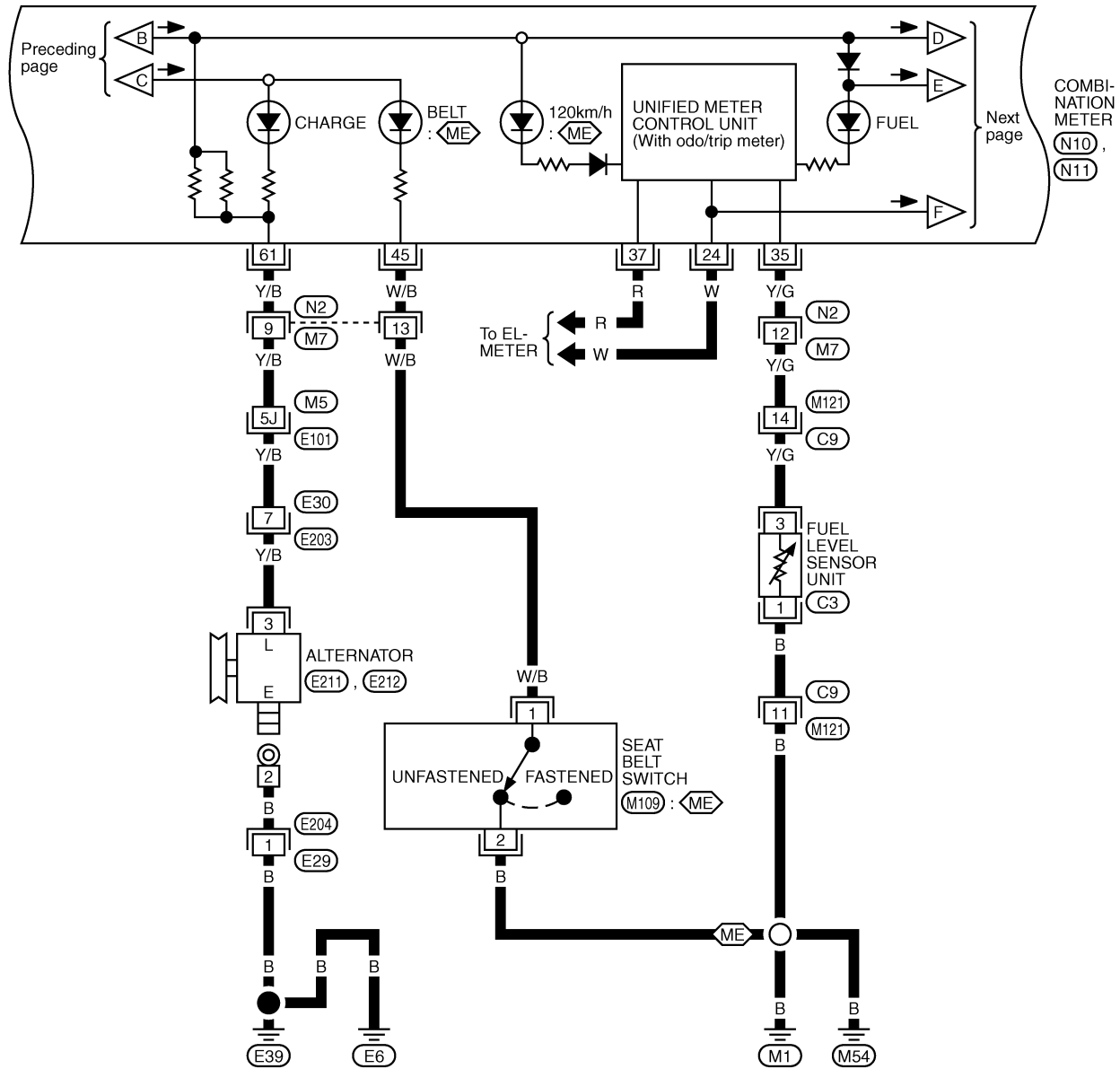


# WARNING LAMPS

## Wiring Diagram — WARN —/Gasoline Engine without Tachometer (Cont'd)

EL-WARN-11

ME : For the Middle East



Refer to last page (Foldout page).

M5, E101

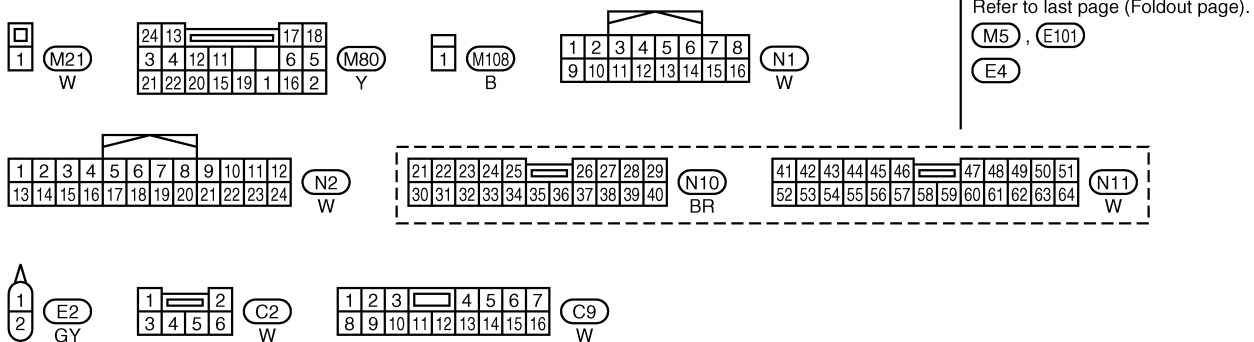
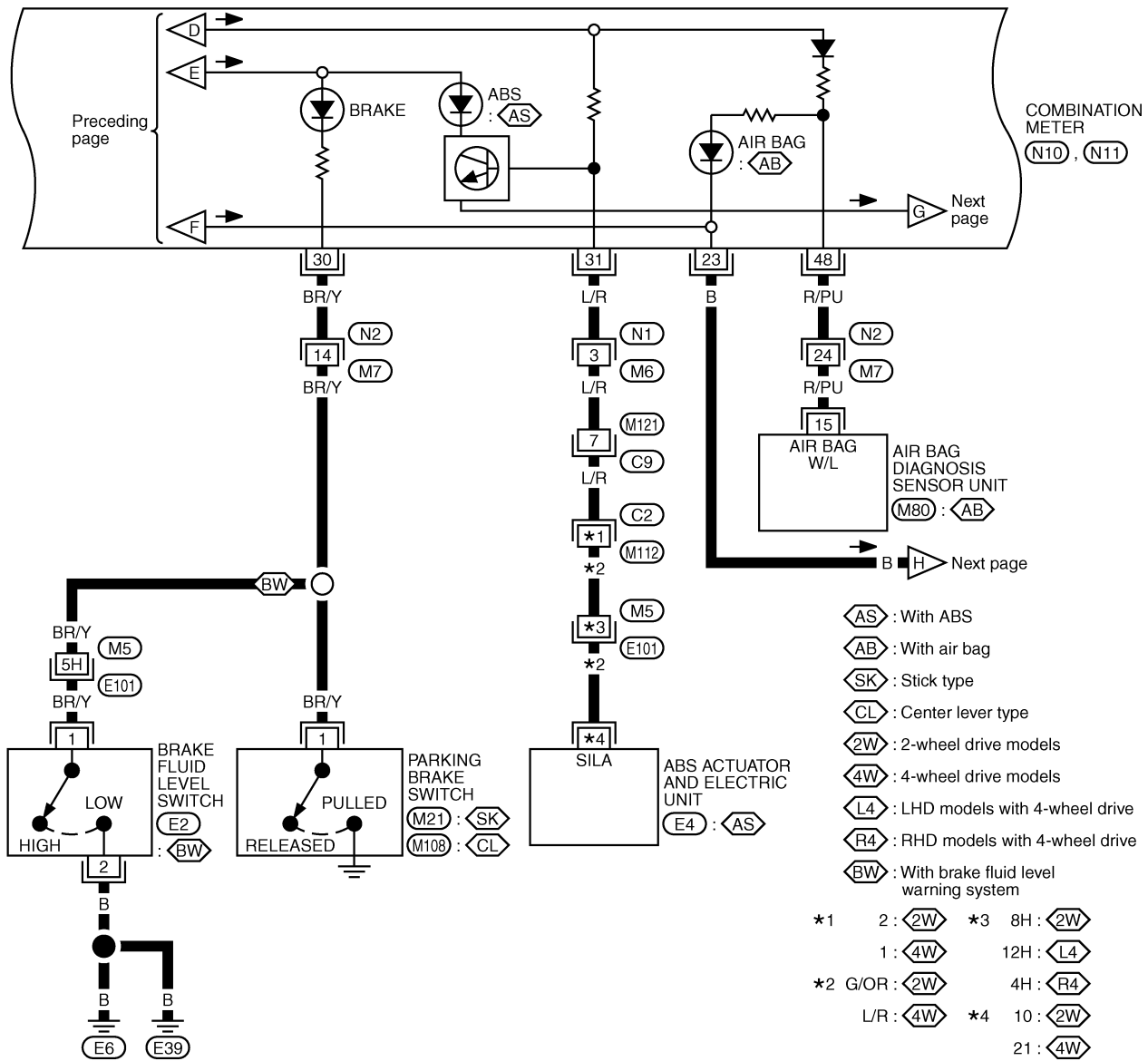
EL

IDX

GEL149B

## Wiring Diagram — WARN —/Gasoline Engine without Tachometer (Cont'd)

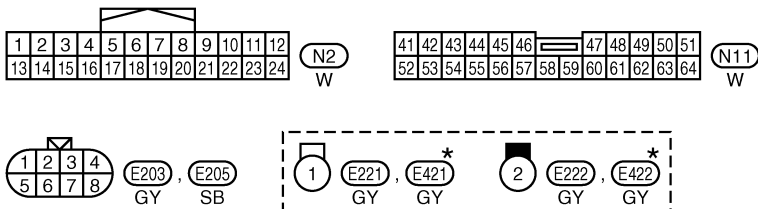
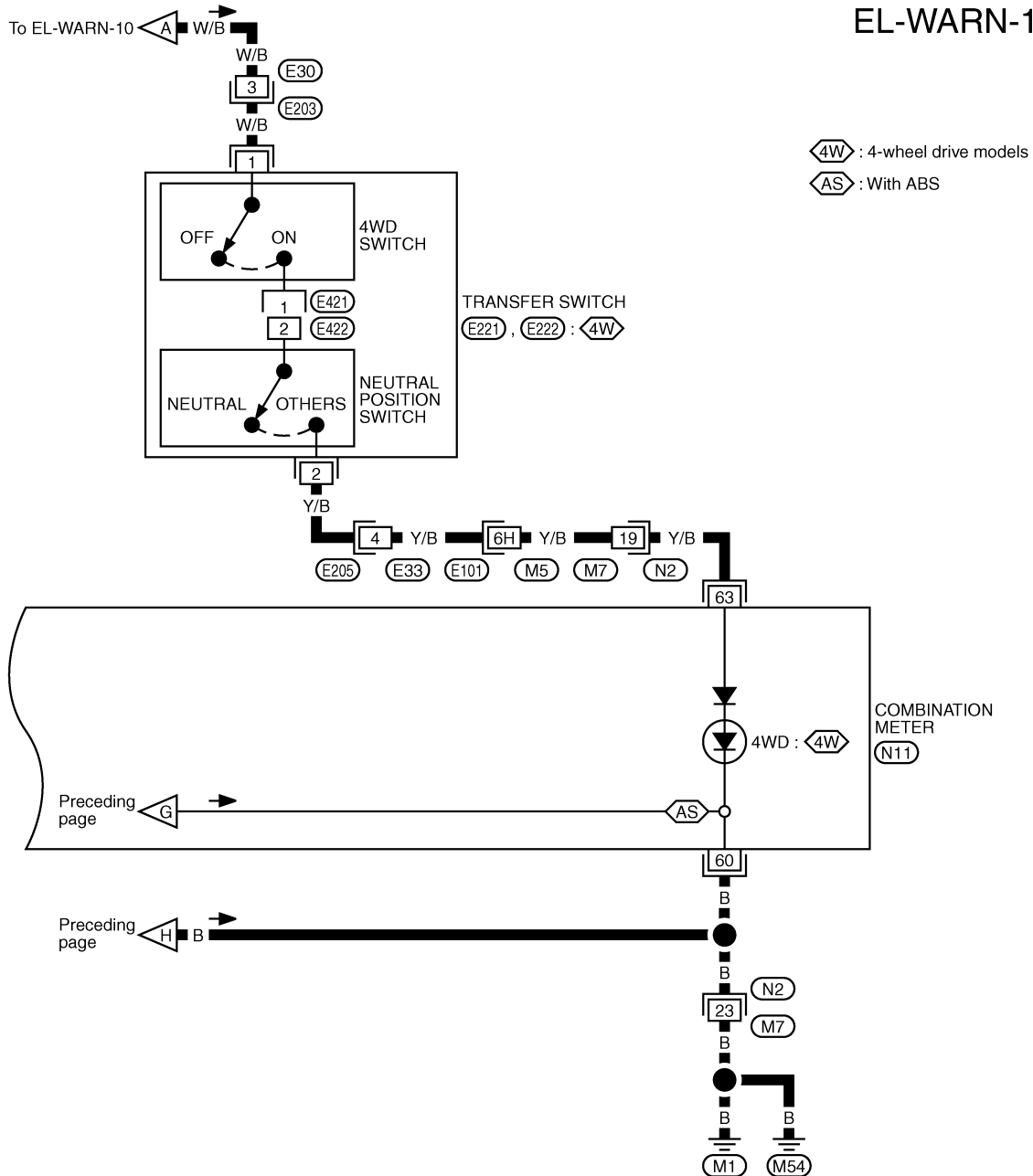
EL-WARN-12



# WARNING LAMPS

## Wiring Diagram — WARN —/Gasoline Engine without Tachometer (Cont'd)

EL-WARN-13

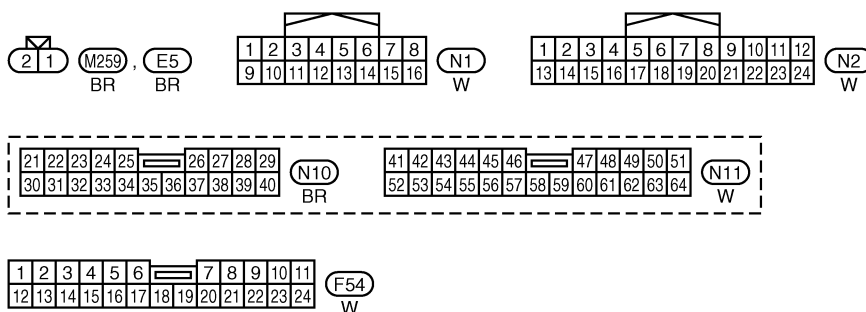
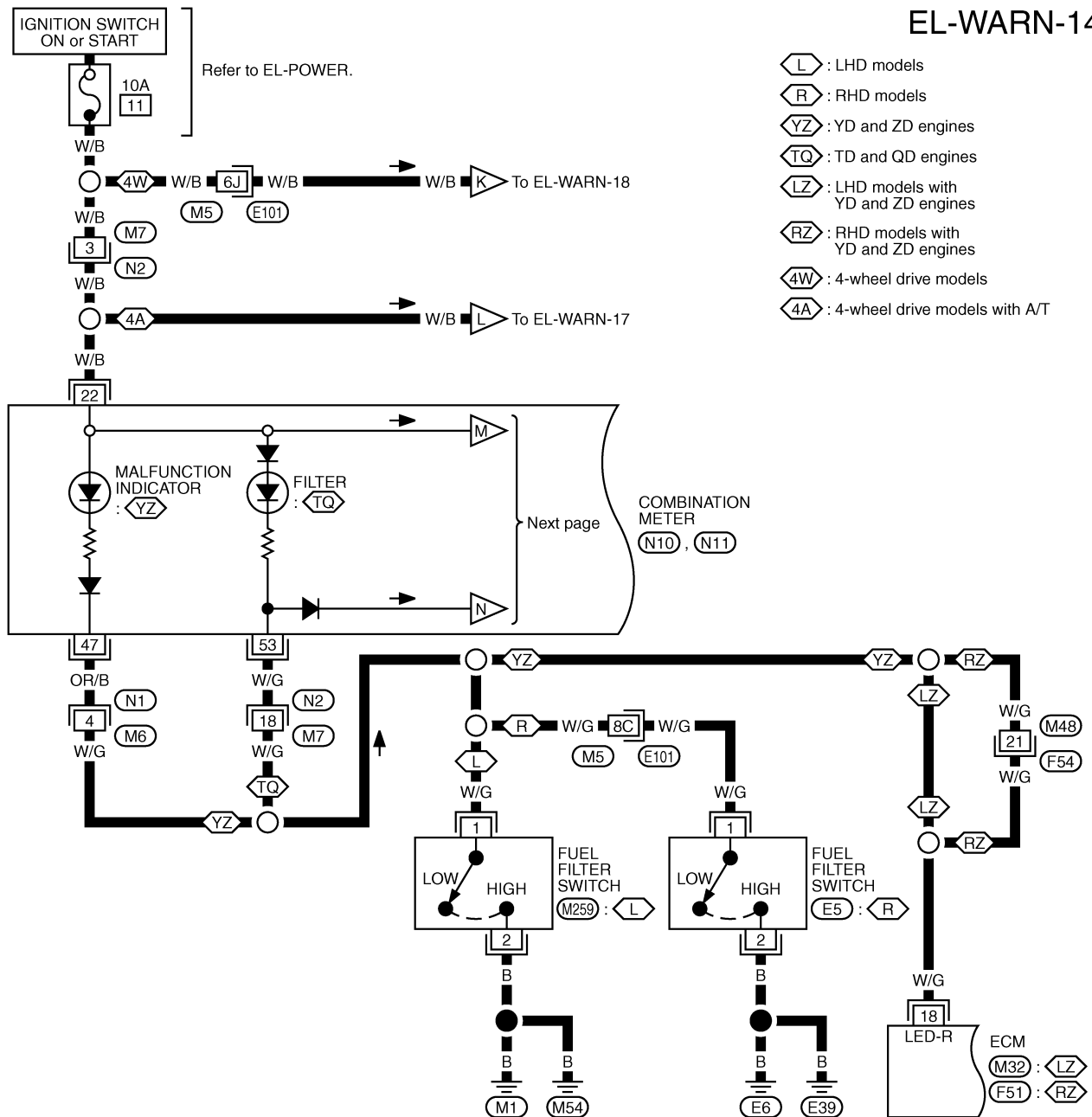


★: This connector is not shown in "HARNESS LAYOUT".

Refer to last page (Foldout page).  
(M5), (E101)

## Wiring Diagram — WARN —/Diesel Engine without Tachometer

EL-WARN-14



Refer to last page (Foldout page).

M5, E101

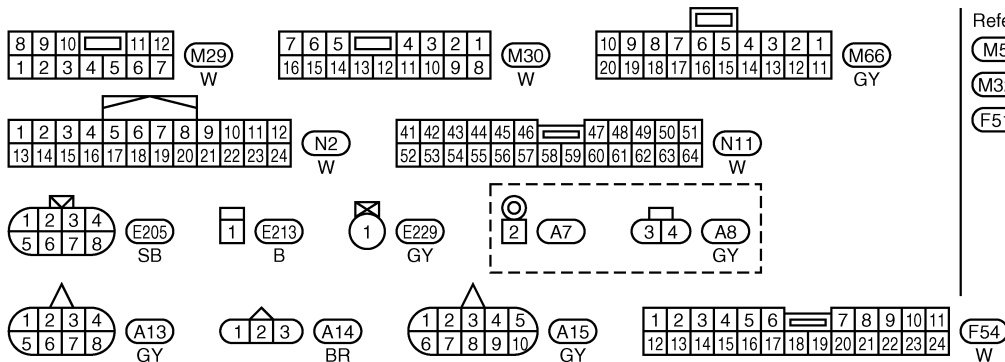
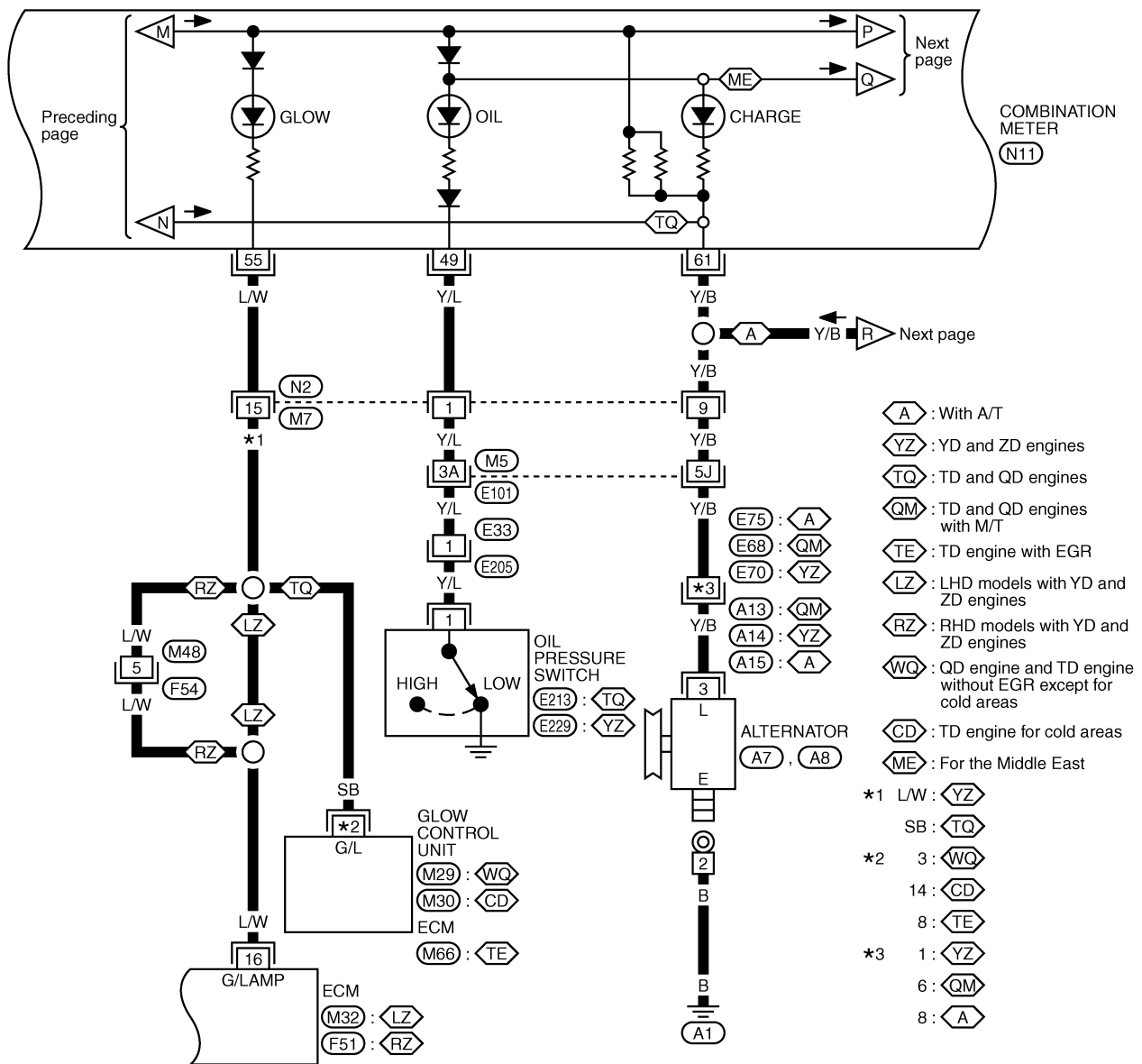
M32

F51

### Wiring Diagram — WARN —/Diesel Engine without Tachometer (Cont'd)

### Wiring Diagram — WARN —/Diesel Engine without Tachometer (Cont'd)

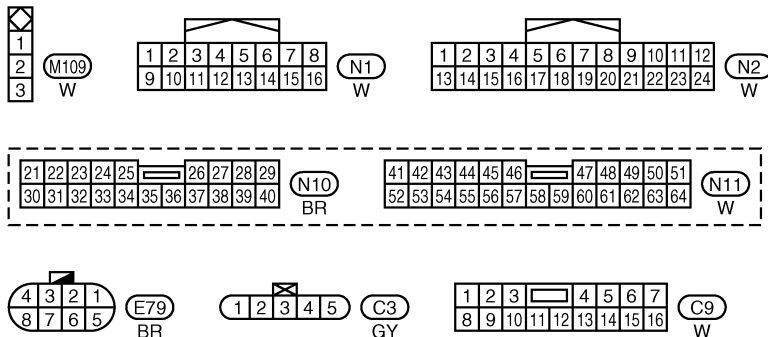
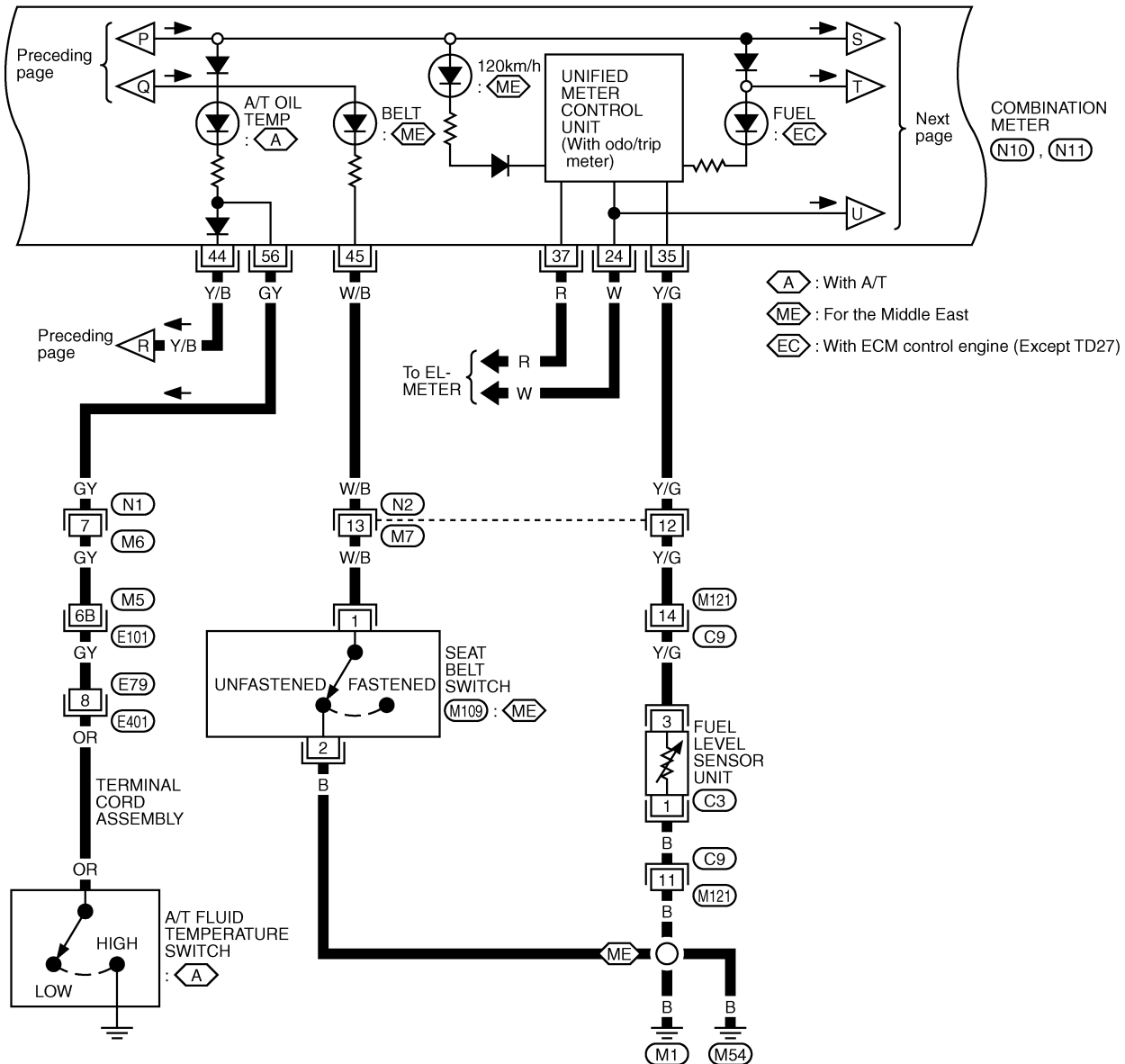
EL-WARN-15



# WARNING LAMPS

## Wiring Diagram — WARN —/Diesel Engine without Tachometer (Cont'd)

EL-WARN-16



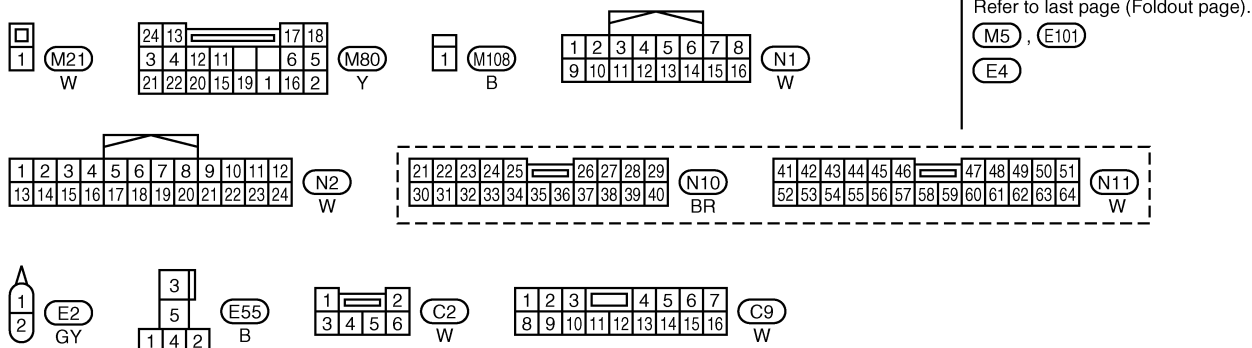
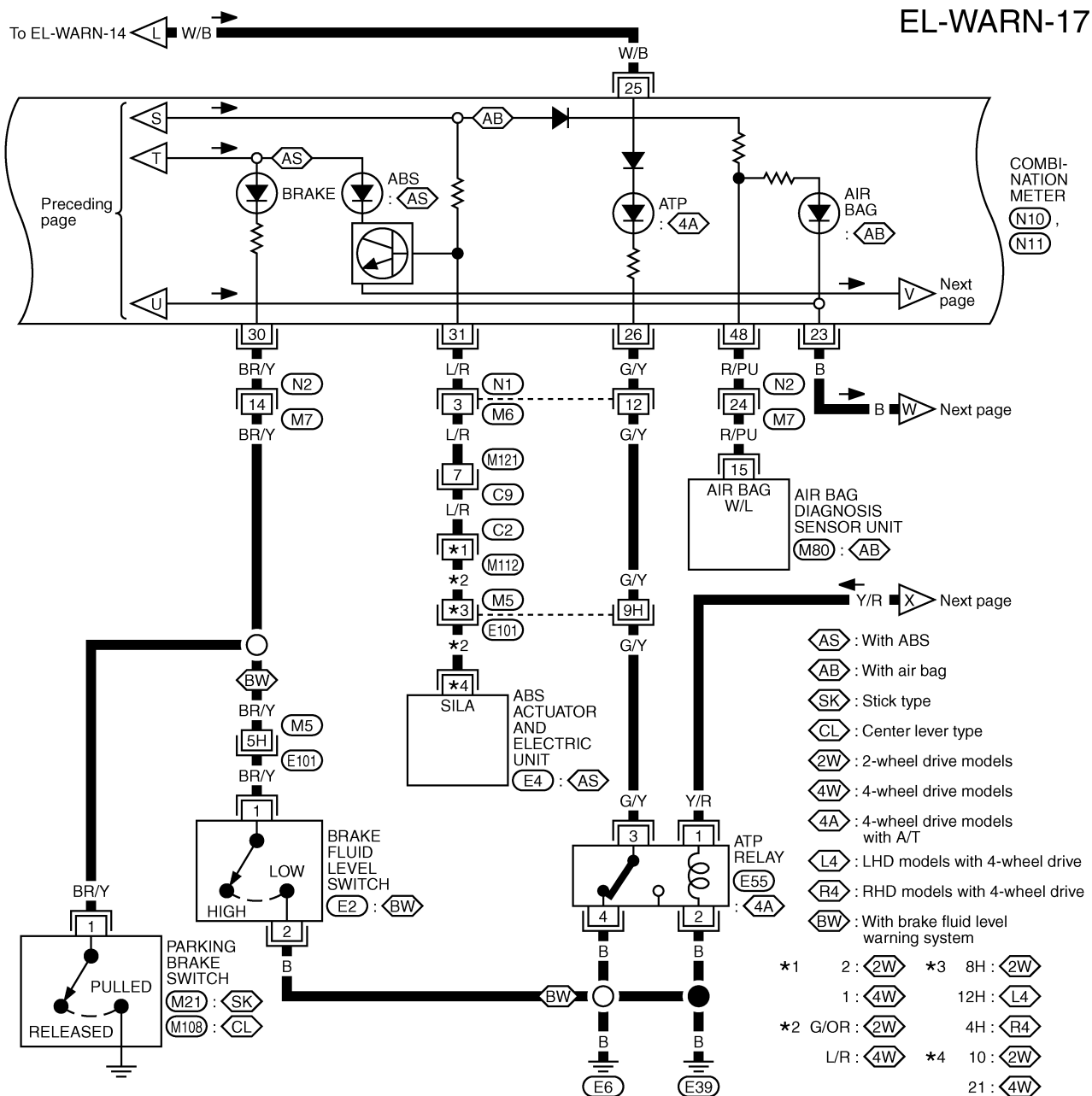
Refer to last page (Foldout page).

(M5), (E101)



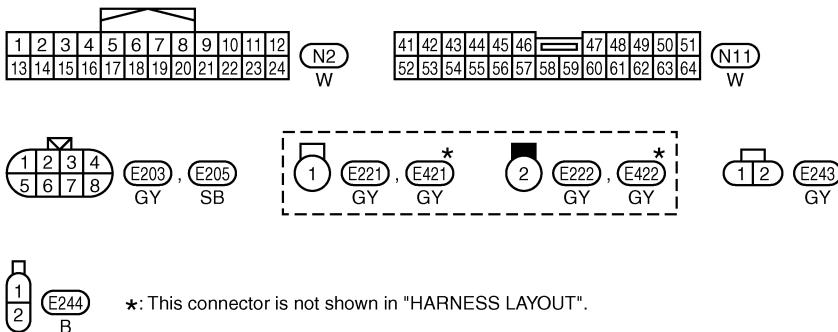
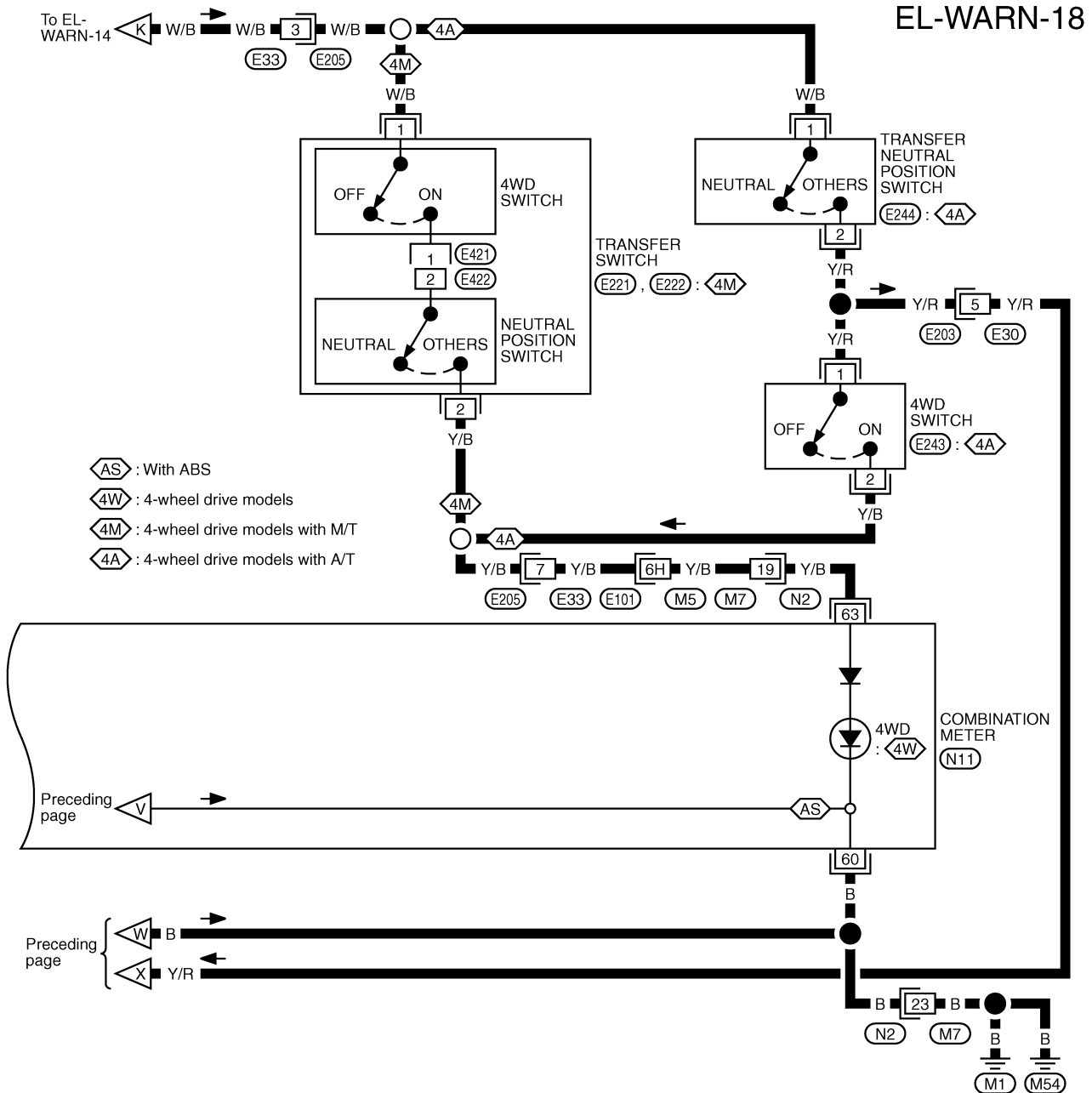
## Wiring Diagram — WARN —/Diesel Engine without Tachometer (Cont'd)

## Wiring Diagram — WARN —/Diesel Engine without Tachometer (Cont'd)



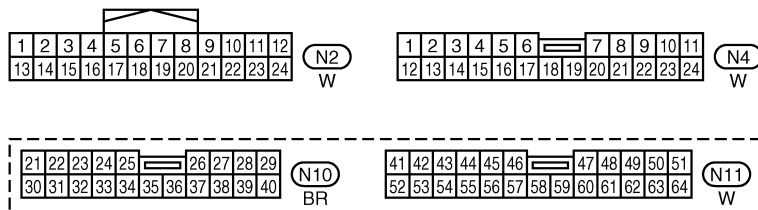
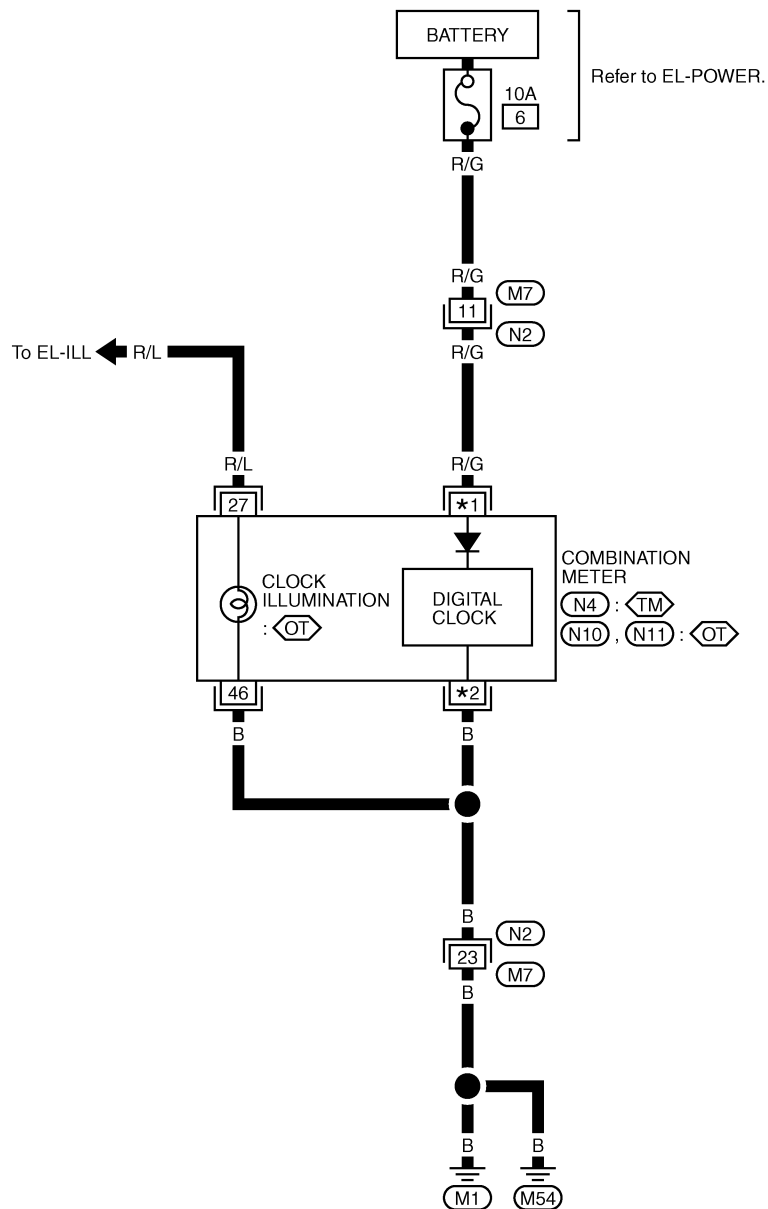
# WARNING LAMPS

## Wiring Diagram — WARN —/Diesel Engine without Tachometer (Cont'd)



Refer to last page (Foldout page).  
 M5, E101

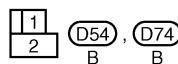
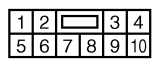
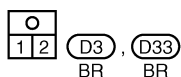
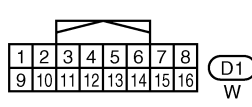
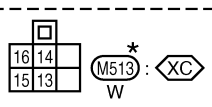
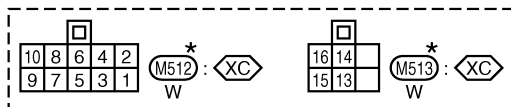
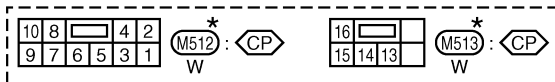
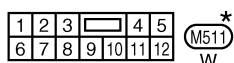
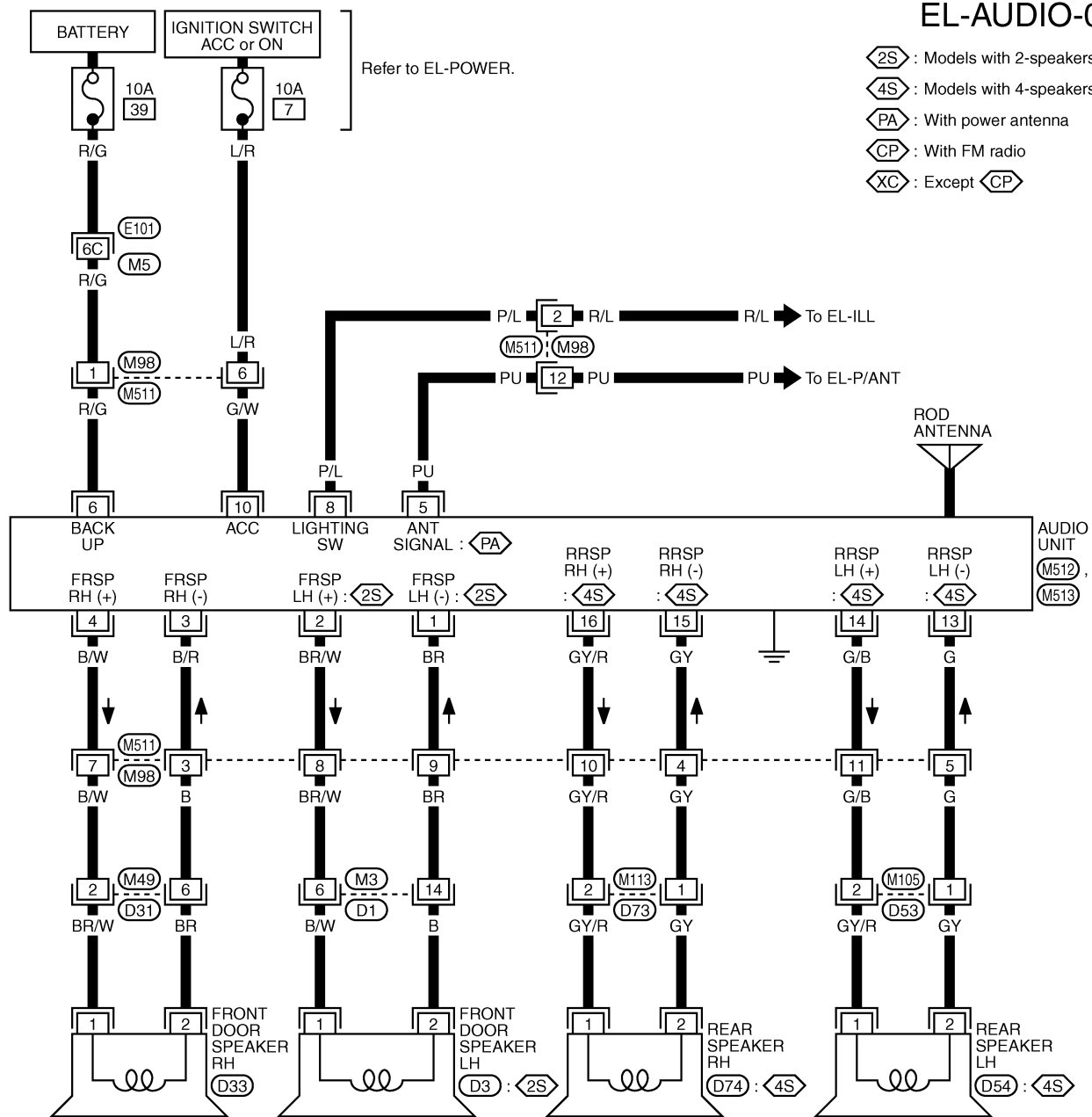
## Wiring Diagram — CLOCK —



GI  
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IDX

## Wiring Diagram — AUDIO —/LHD Models

### WITH 2 OR 4 SPEAKERS



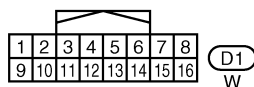
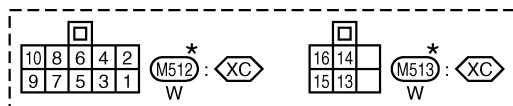
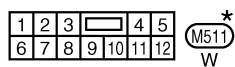
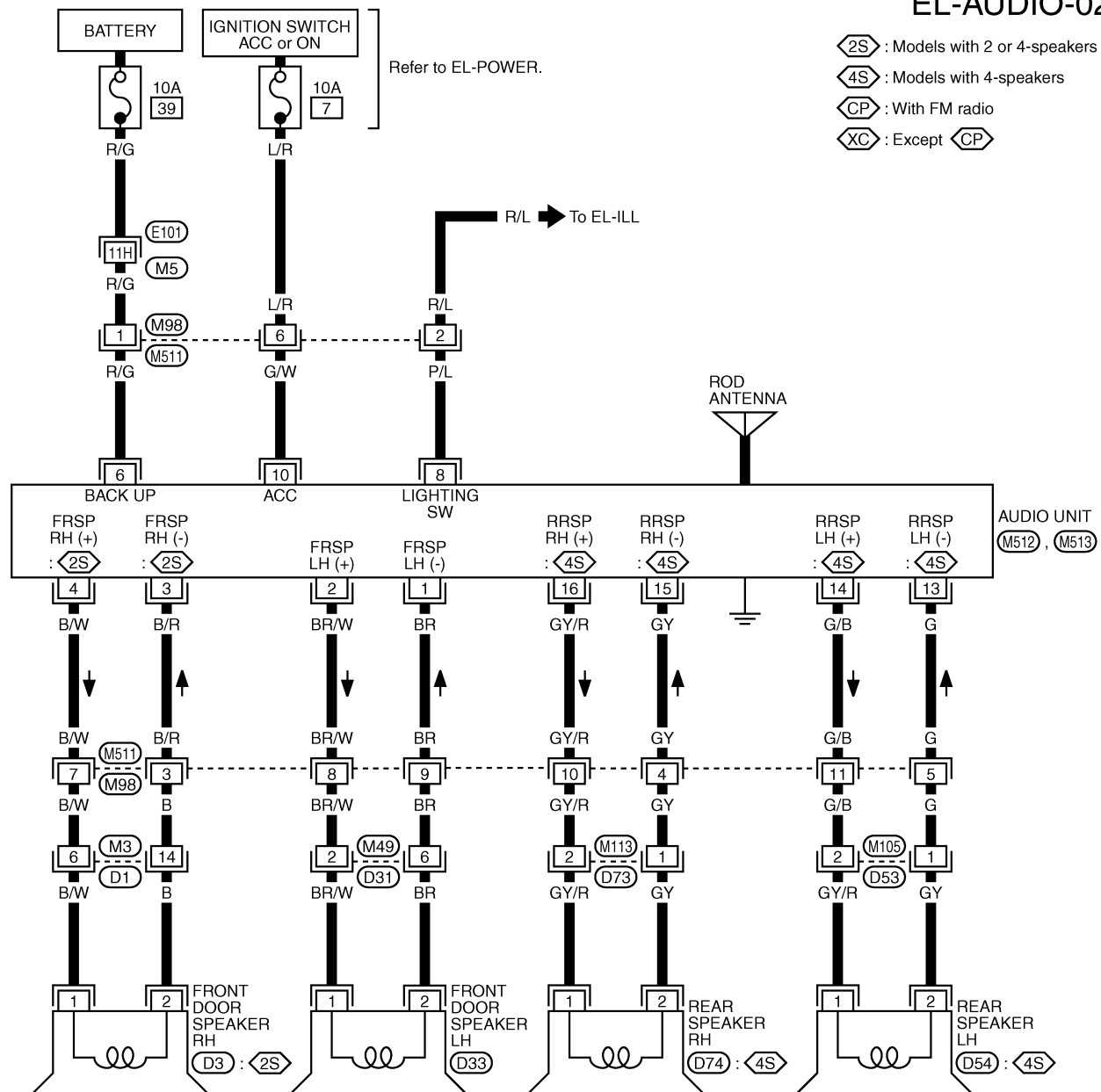
\*: This connector is not shown in "HARNESS LAYOUT".

Refer to last page (Foldout page).

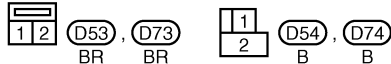
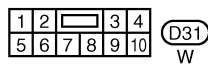
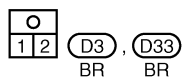
(M5), (E101)

## Wiring Diagram — AUDIO —/RHD Models

## EL-AUDIO-02

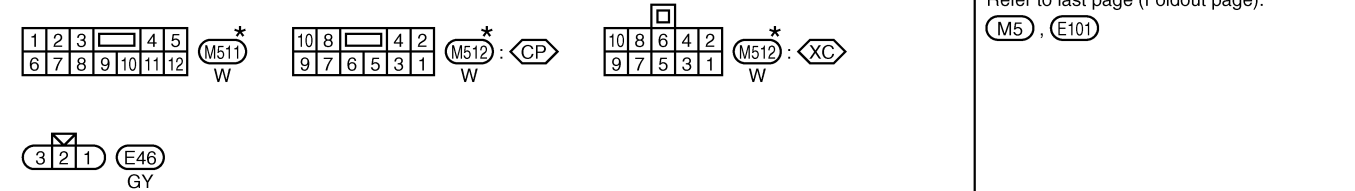
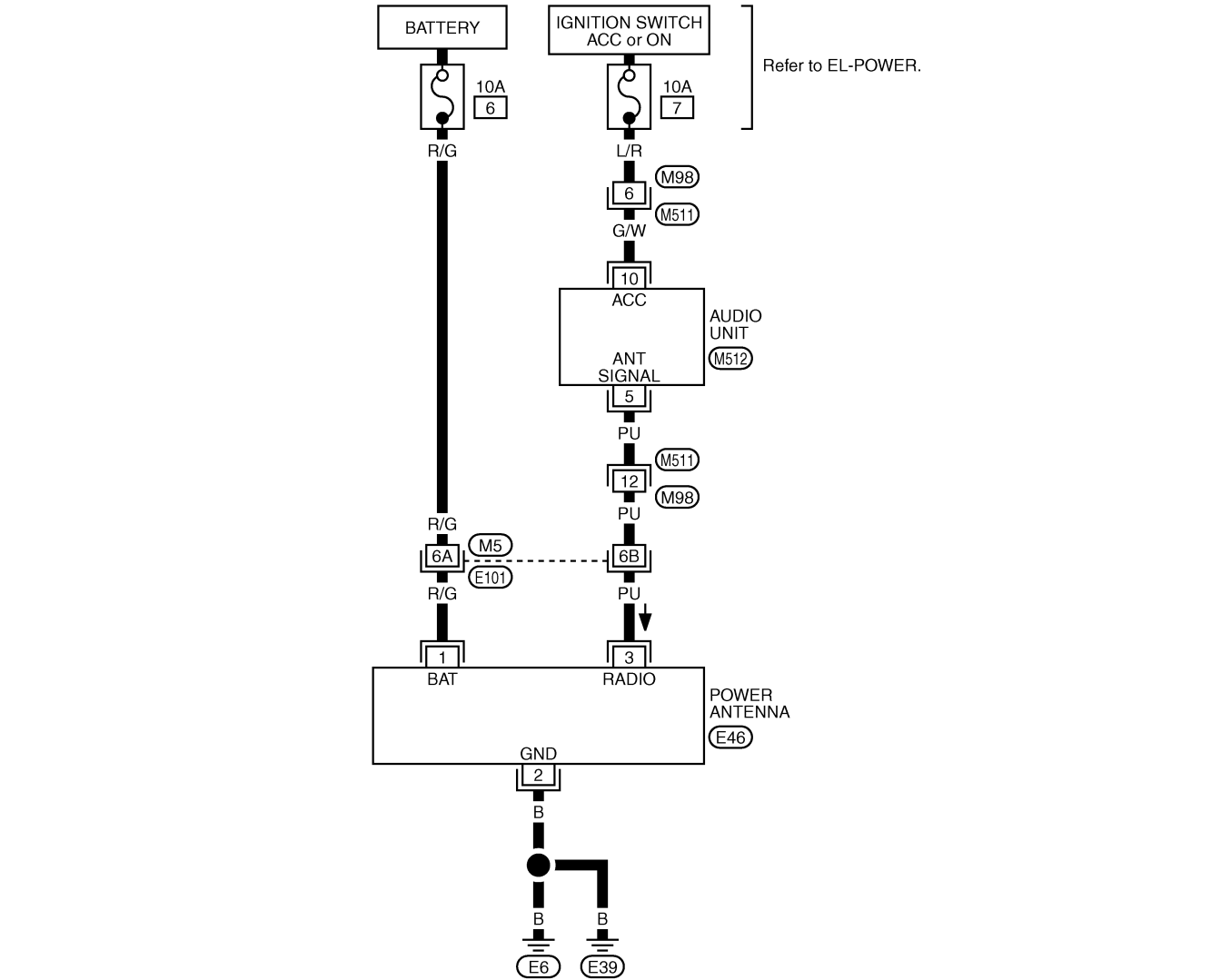


★: This connector is not shown in "HARNESS LAYOUT".



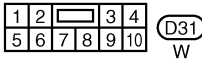
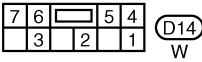
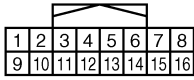
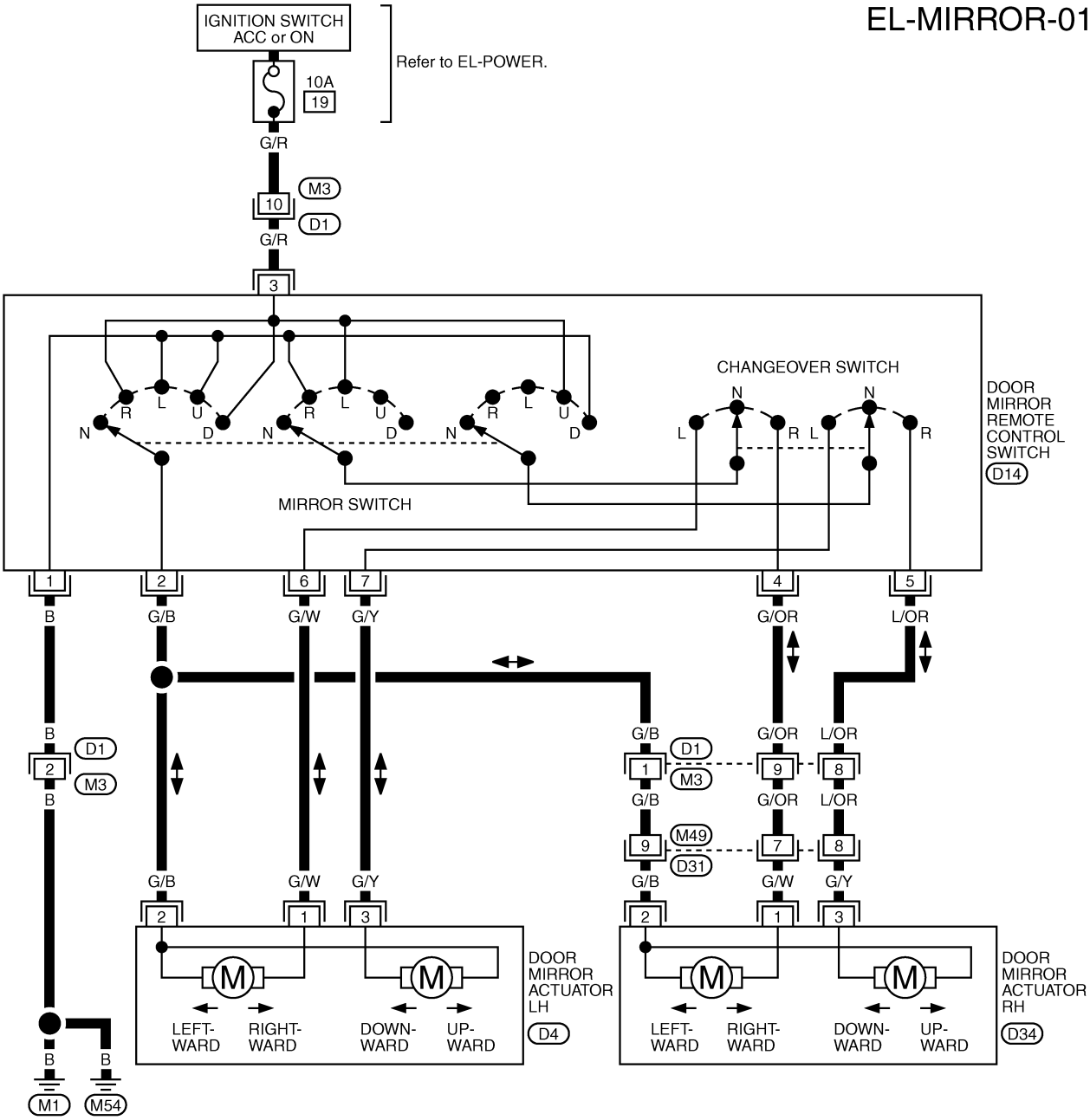
Refer to last page (Foldout page).

M5, E101



Wiring Diagram — MIRROR —/LHD Models  
With Sail Mounted Mirror

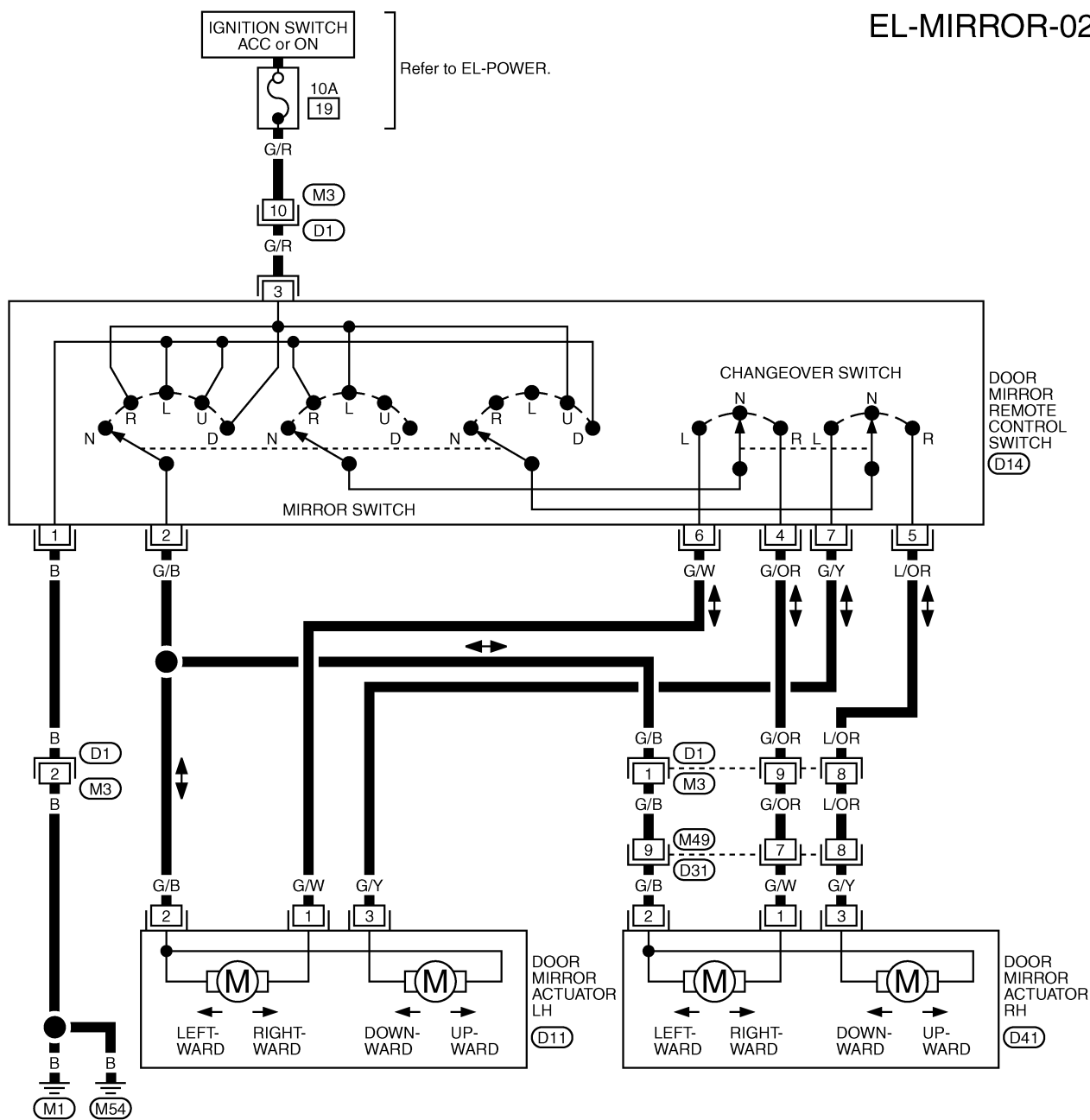
EL-MIRROR-01



GI  
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EL  
IDX

## Wiring Diagram — MIRROR —/LHD Models With Door Mounted Mirror

EL-MIRROR-02



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

D1  
W

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

D11  
BR

7	6	5	4
3	2	1	

D14  
W

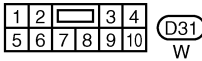
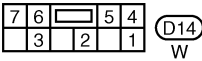
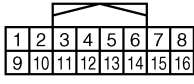
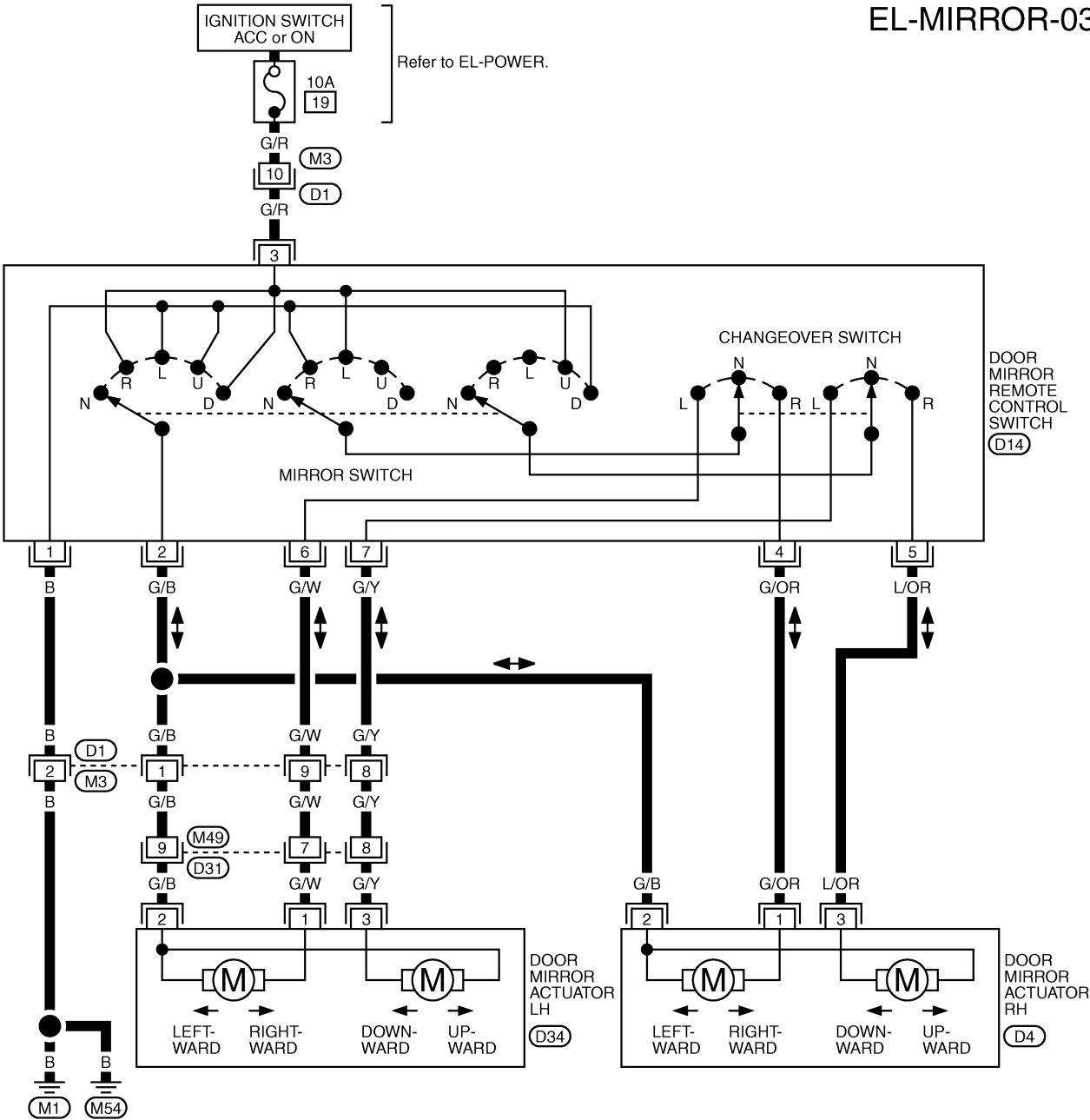
1	2	3	4
5	6	7	8

D31  
W



Wiring Diagram — MIRROR —/RHD Models

EL-MIRROR-03



GI

MA

EM

LC

EC

FE

CL

MT

AT

TF

PD

FA

RA

BR

ST

RS

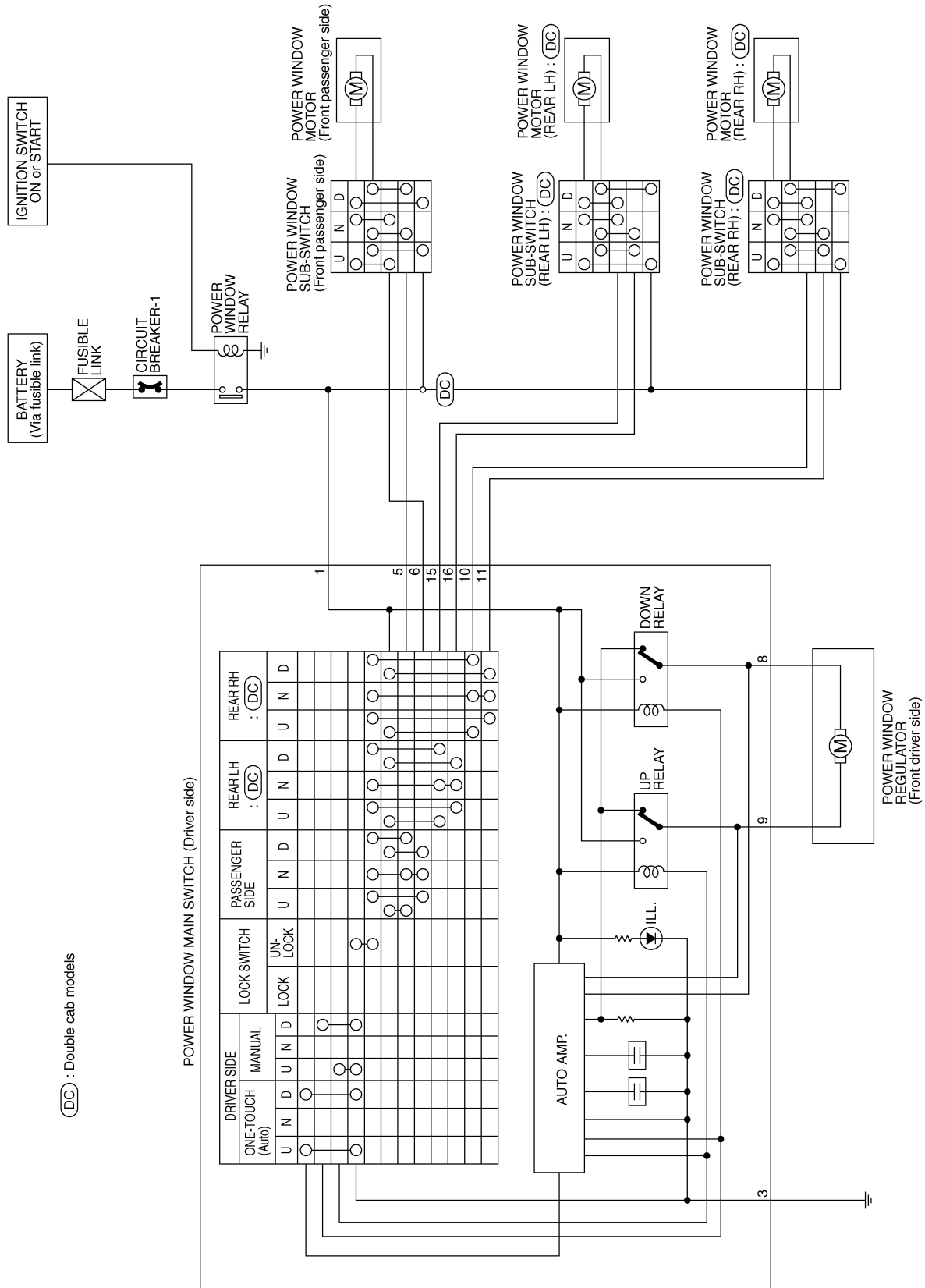
BT

HA

EL

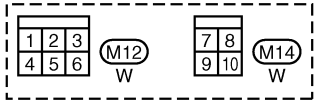
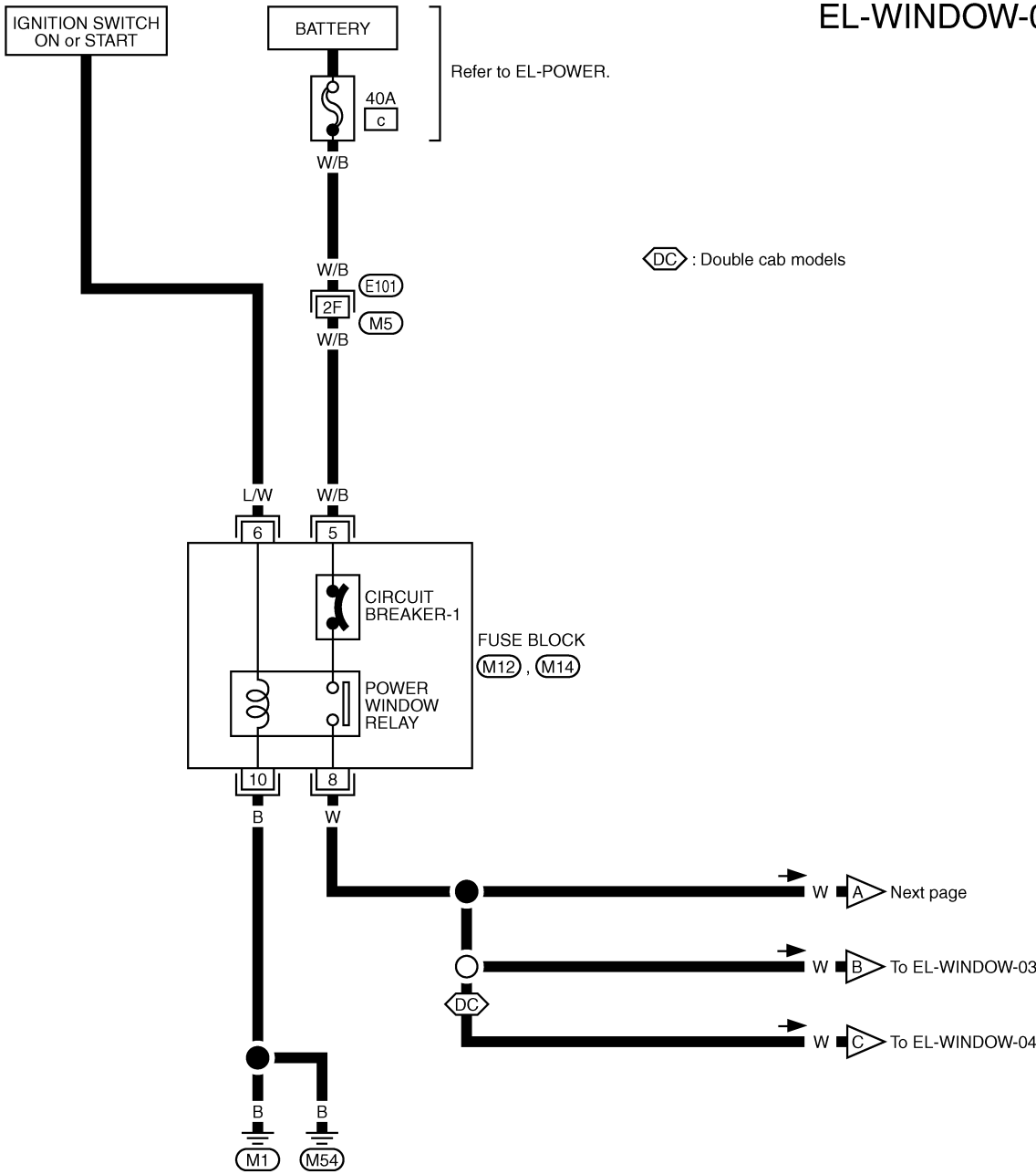
IDX

## Schematic/Without Interruption Detection Function



Wiring Diagram — WINDOW —/Without Interruption Detection Function

EL-WINDOW-01



Refer to last page (Foldout page).  
(M5, E101)

GI

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EL

IDX

# POWER WINDOW

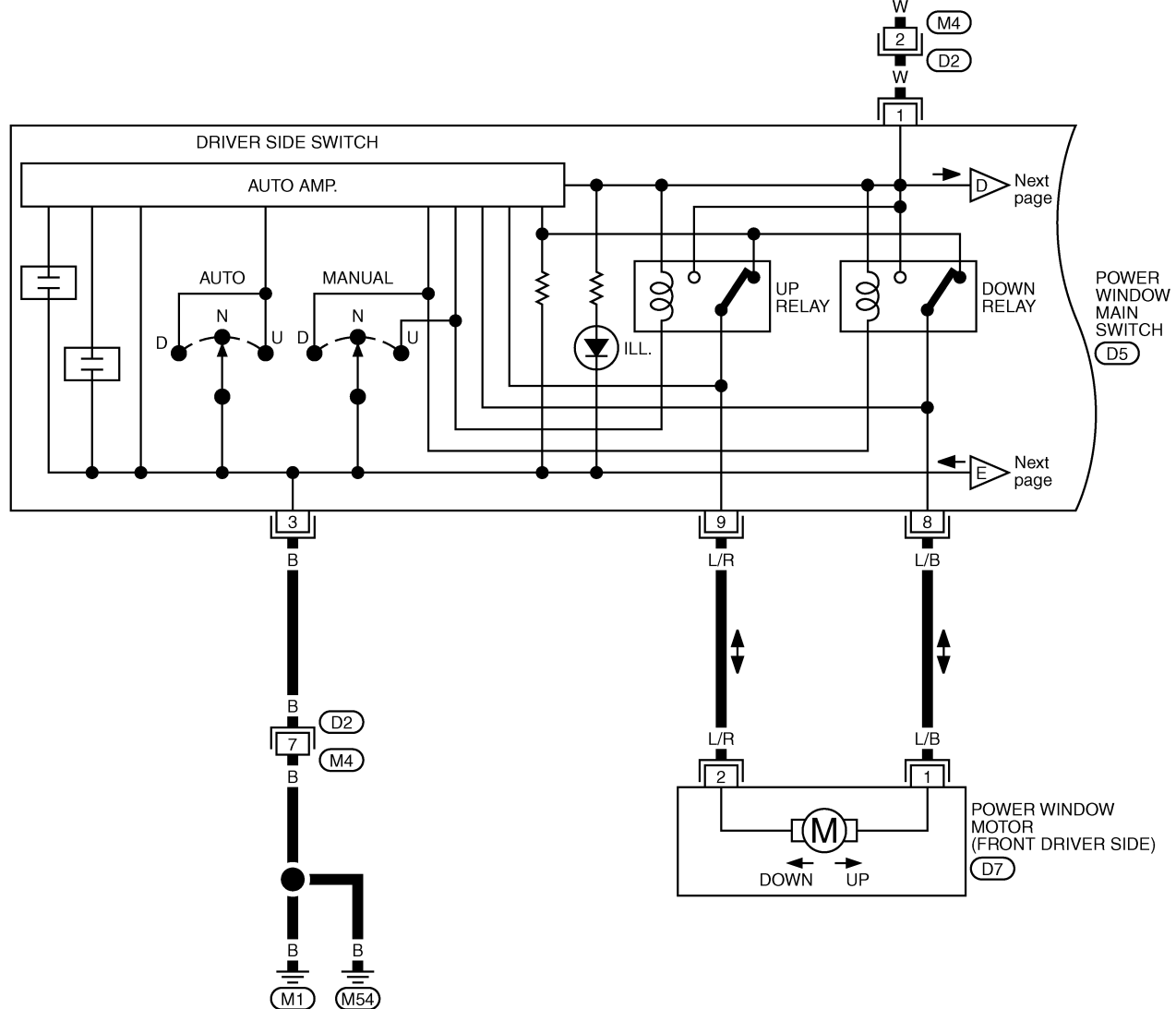
## Wiring Diagram — WINDOW —/Without Interruption Detection Function (Cont'd)

EL-WINDOW-02

Preceding page ◀ A W

◻ L : LHD models

◻ R : RHD models



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

D2 : W

8	9	10	11	12	13	14	15	16
7	14	16	15	1	12	11	10	

D5 : L : W

3	5	6	1	9	8
16	15		11	10	14
7					

D5 : R : W

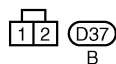
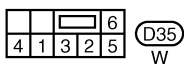
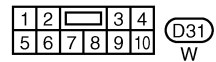
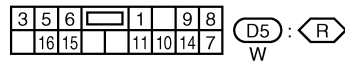
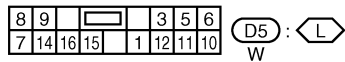
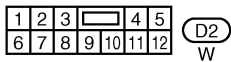
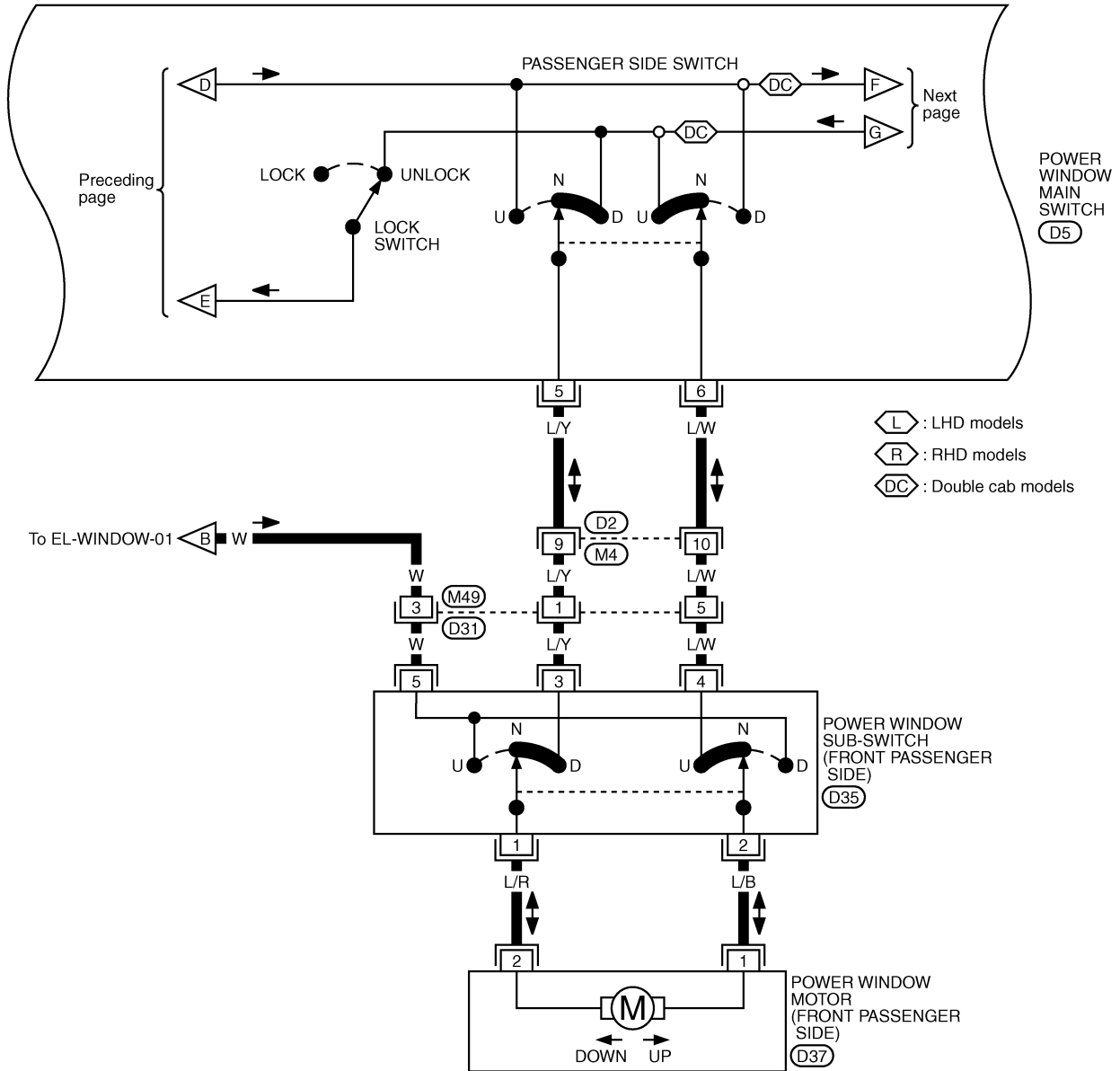
1	2

D7 : B

# POWER WINDOW

## Wiring Diagram — WINDOW —/Without Interruption Detection Function (Cont'd)

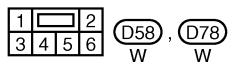
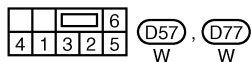
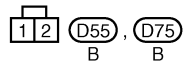
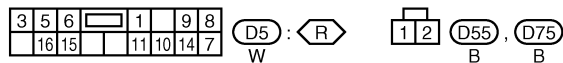
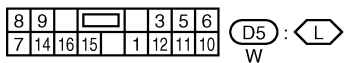
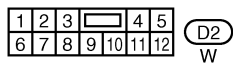
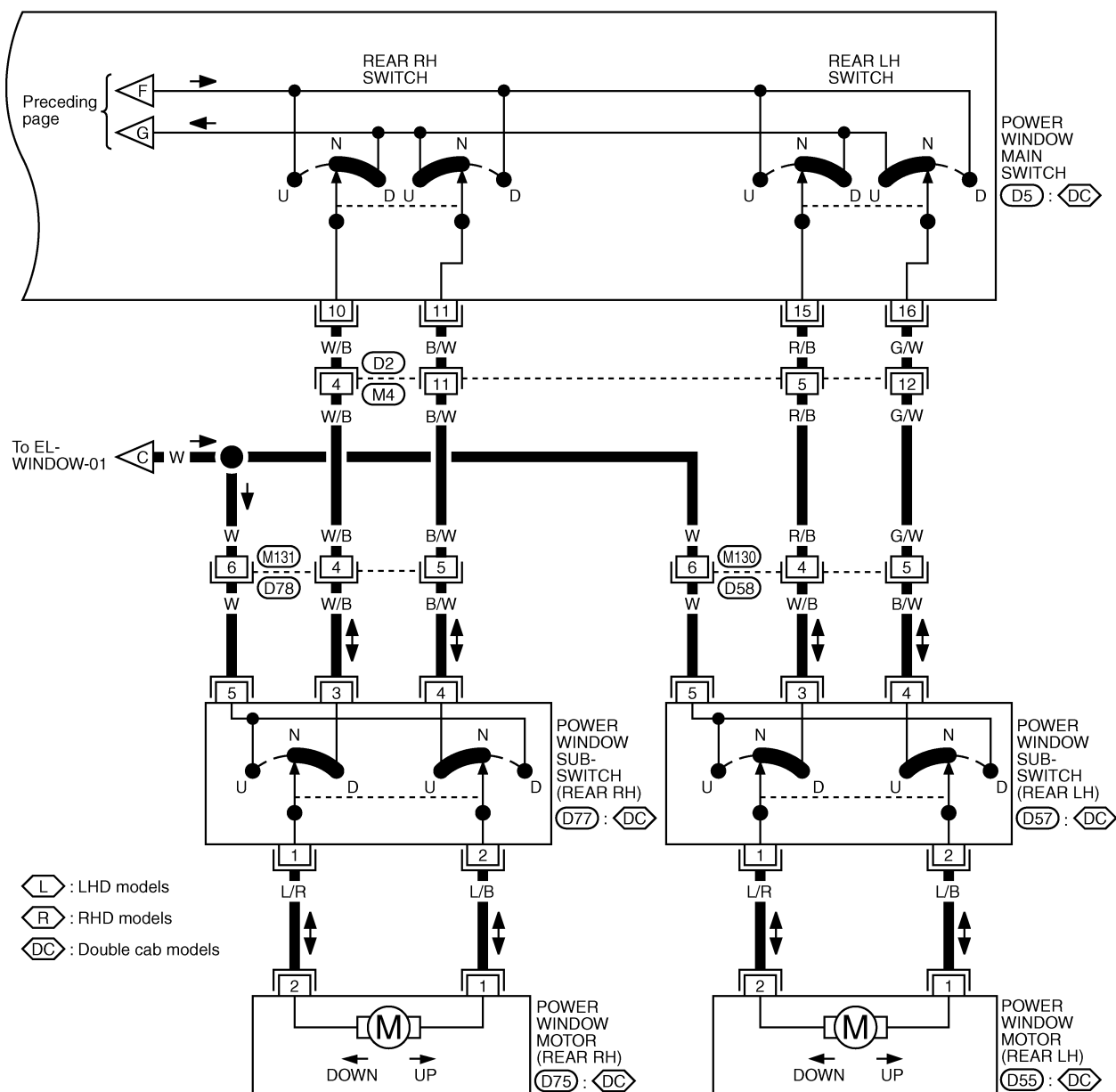
EL-WINDOW-03



# POWER WINDOW

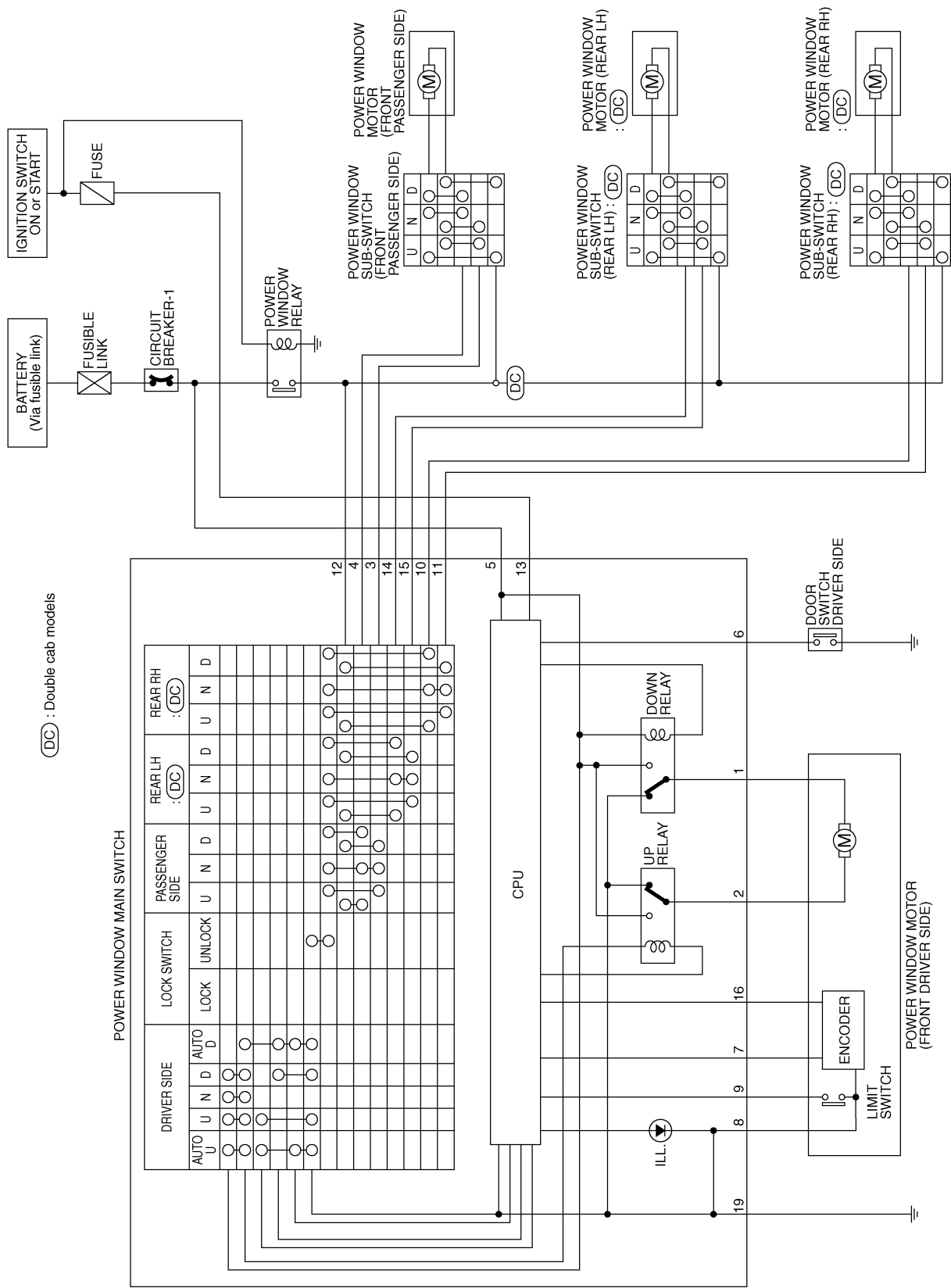
## Wiring Diagram — WINDOW —/Without Interruption Detection Function (Cont'd)

EL-WINDOW-04



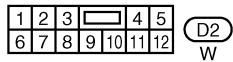
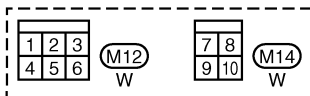
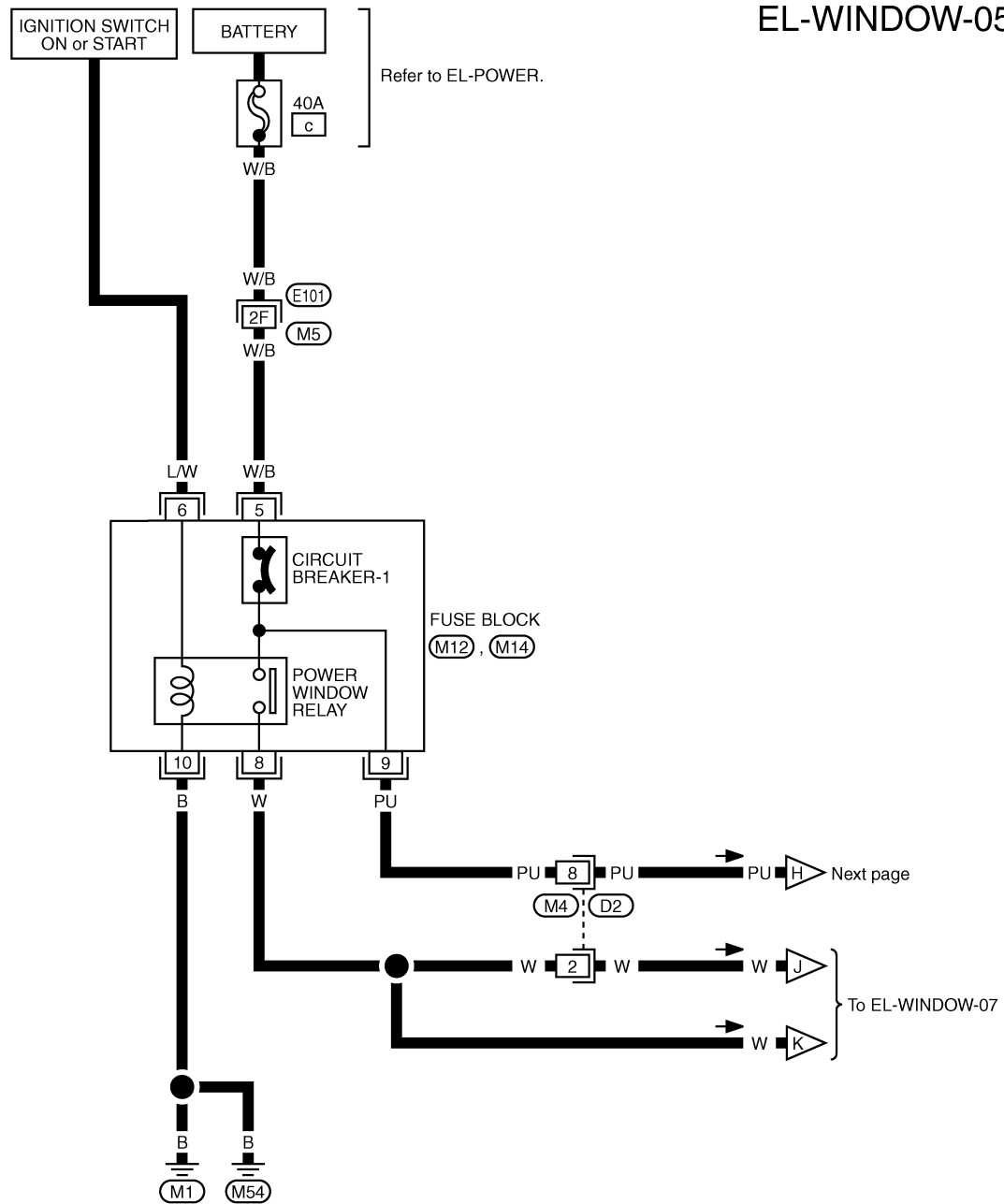
Schematic/With Interruption Detection Function

GI  
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## Wiring Diagram — WINDOW —/With Interruption Detection Function

EL-WINDOW-05

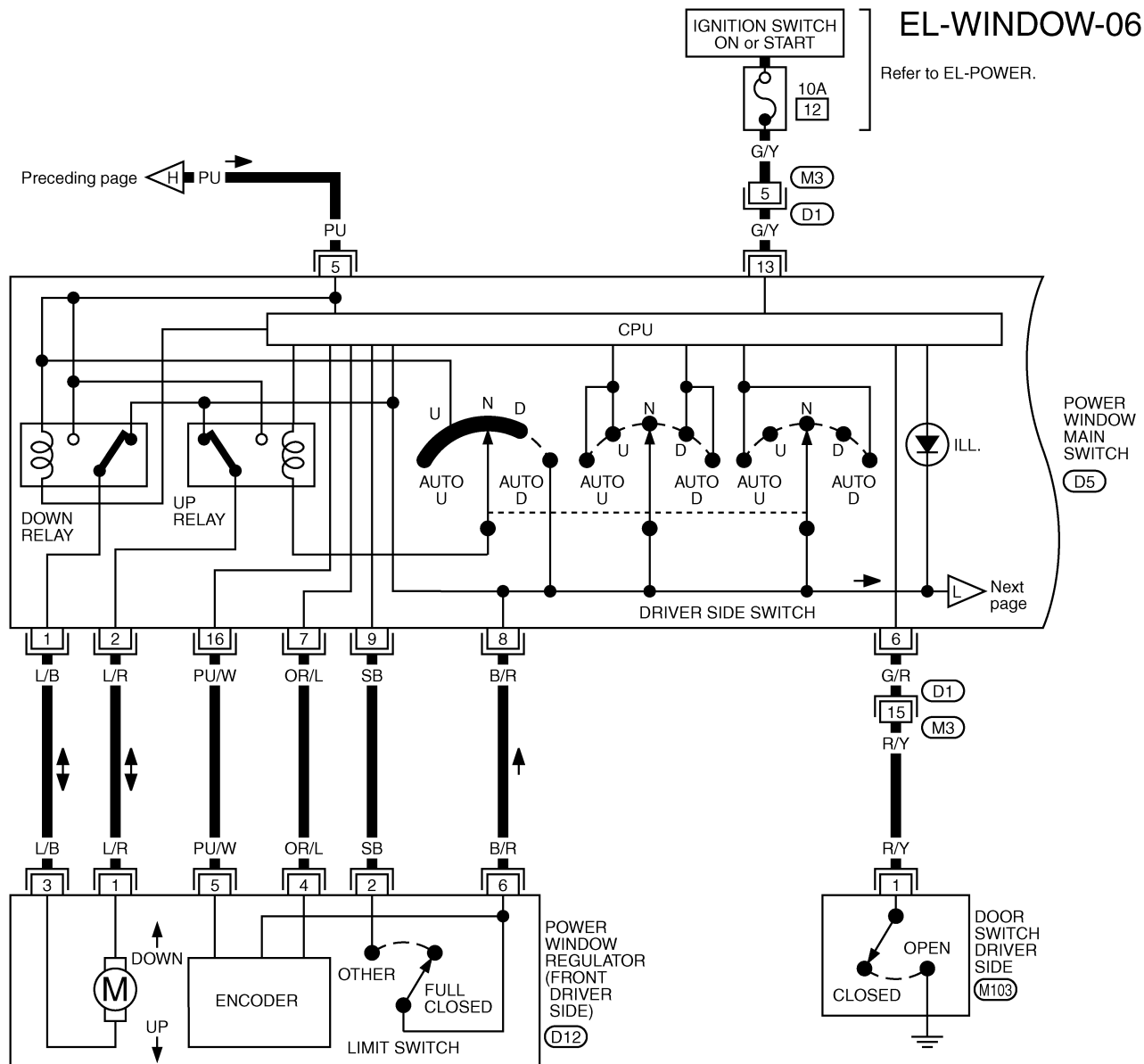


Refer to last page (Foldout page).  
(M5, E101)



# POWER WINDOW

## Wiring Diagram — WINDOW —/With Interruption Detection Function (Cont'd)



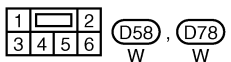
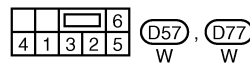
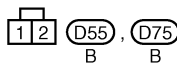
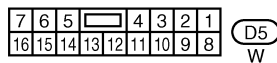
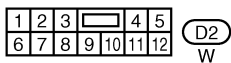
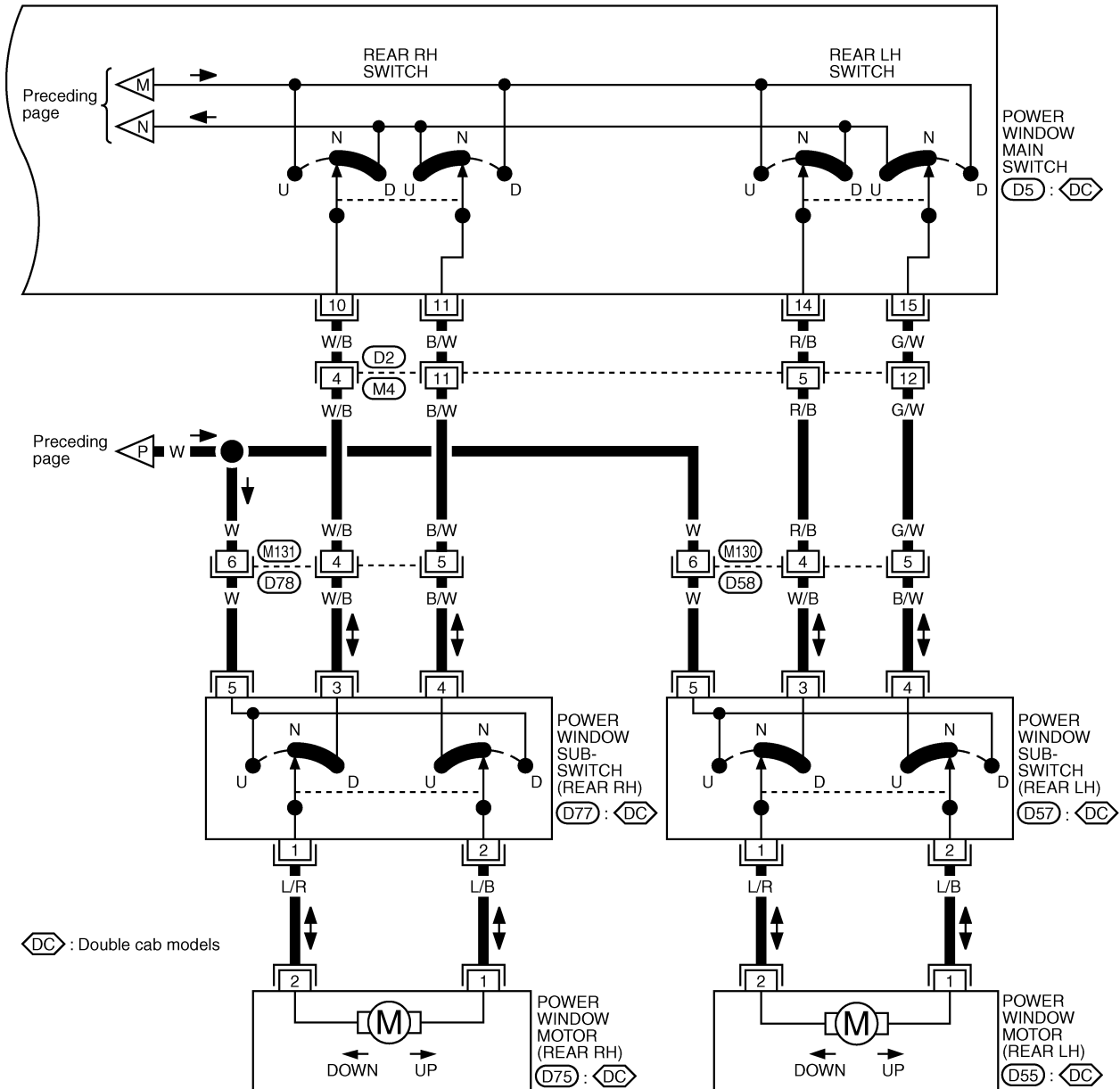
GI  
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# POWER WINDOW

## Wiring Diagram — WINDOW —/With Interruption Detection Function (Cont'd)

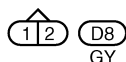
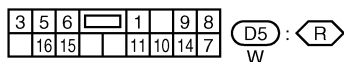
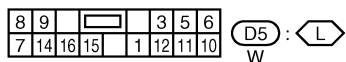
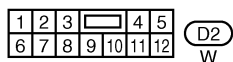
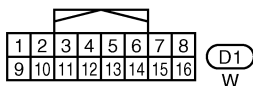
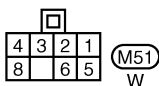
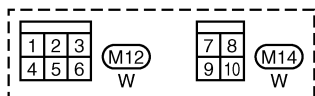
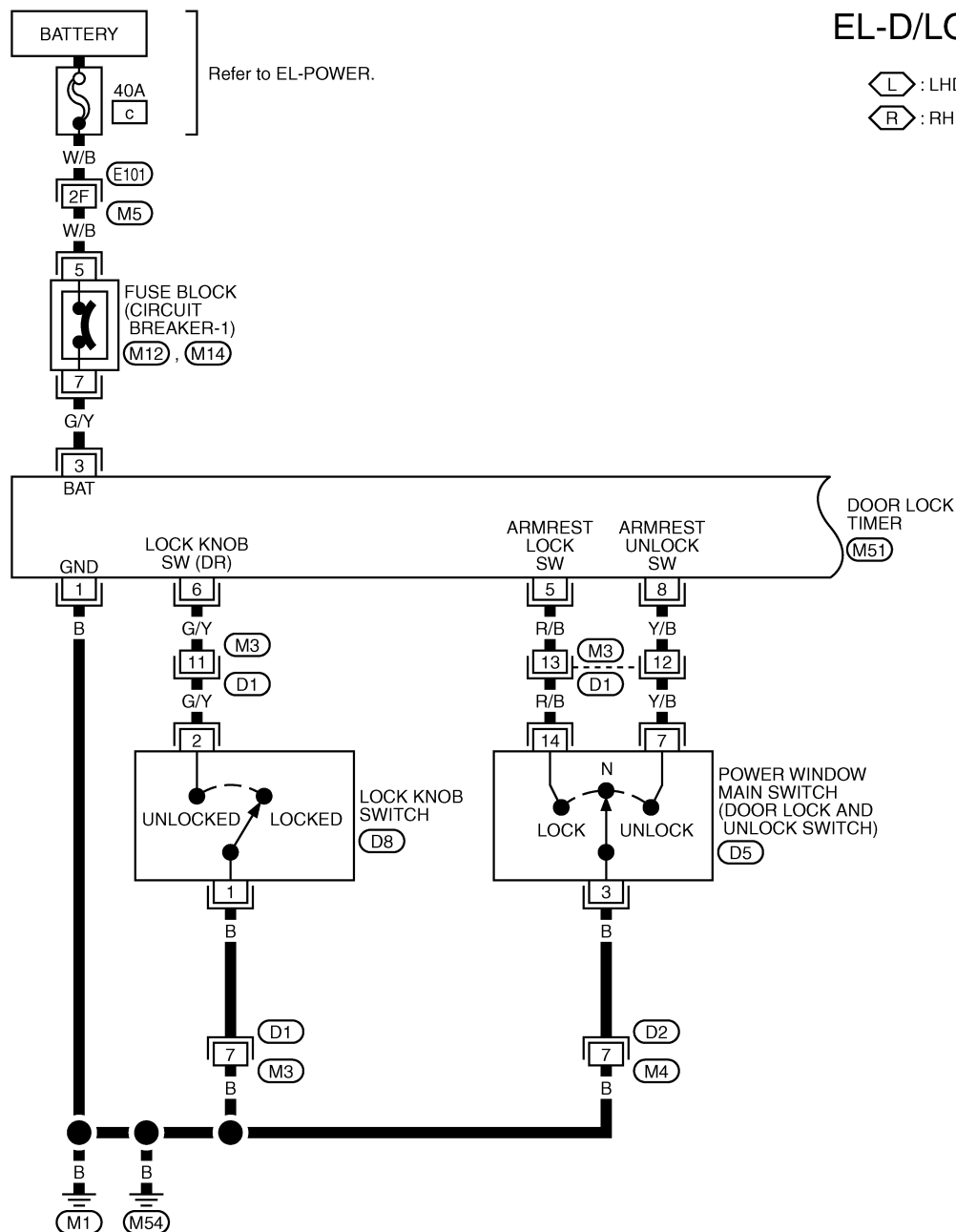
EL-WINDOW-08



## Wiring Diagram — D/LOCK —

EL-D/LOCK-01

⬡ : LHD models  
⬡ : RHD models



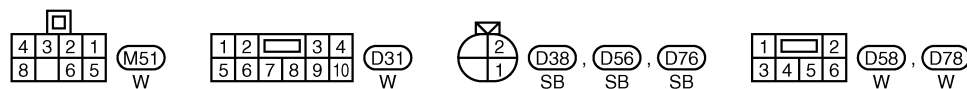
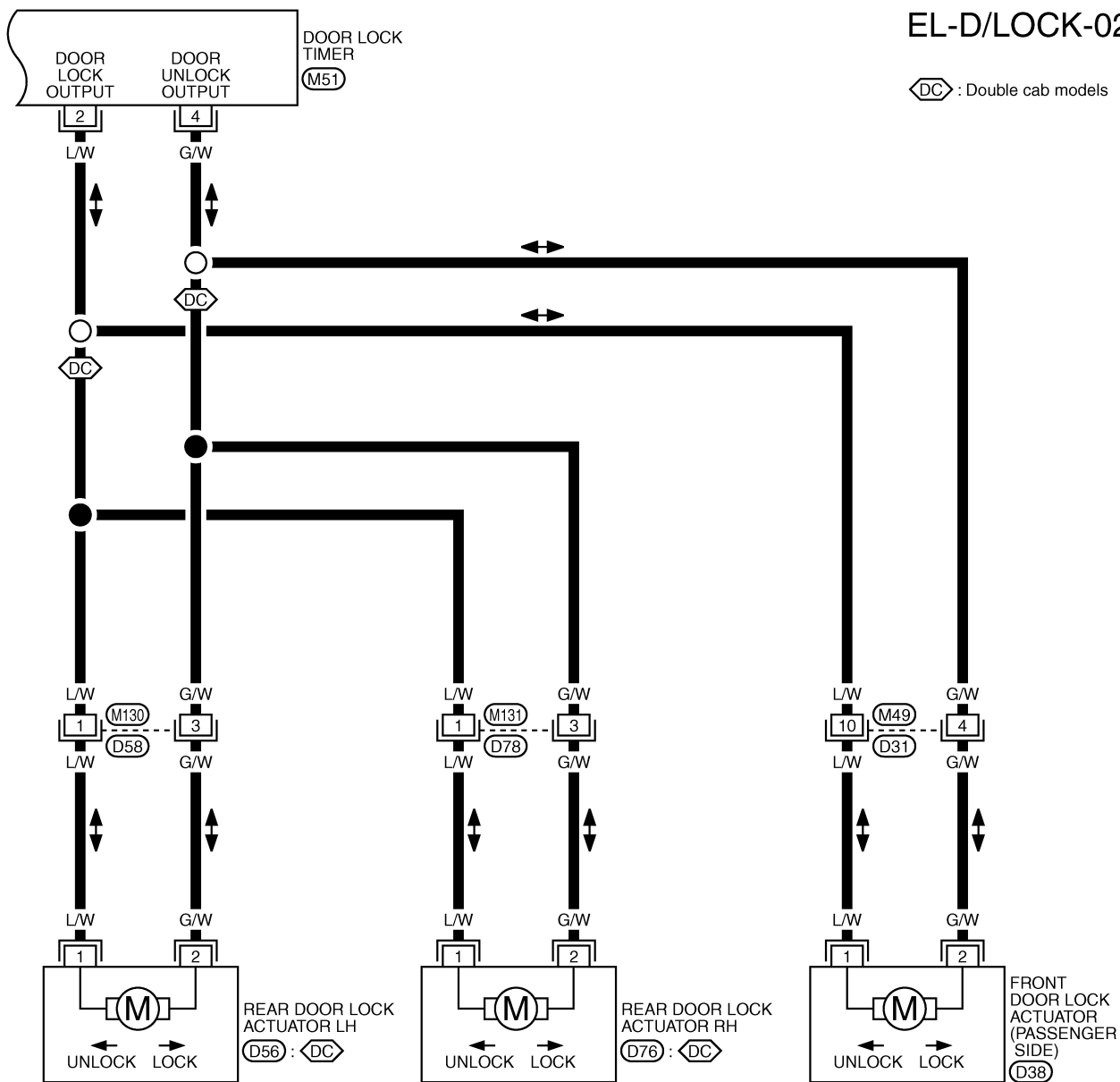
Refer to last page (Foldout page).  
M5, E101

# POWER DOOR LOCK/EXCEPT FOR THE MIDDLE EAST

## Wiring Diagram — D/LOCK — (Cont'd)

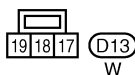
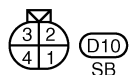
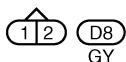
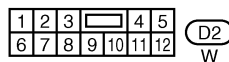
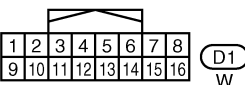
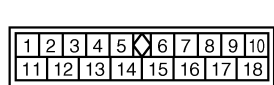
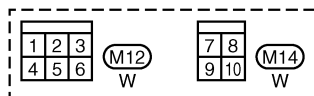
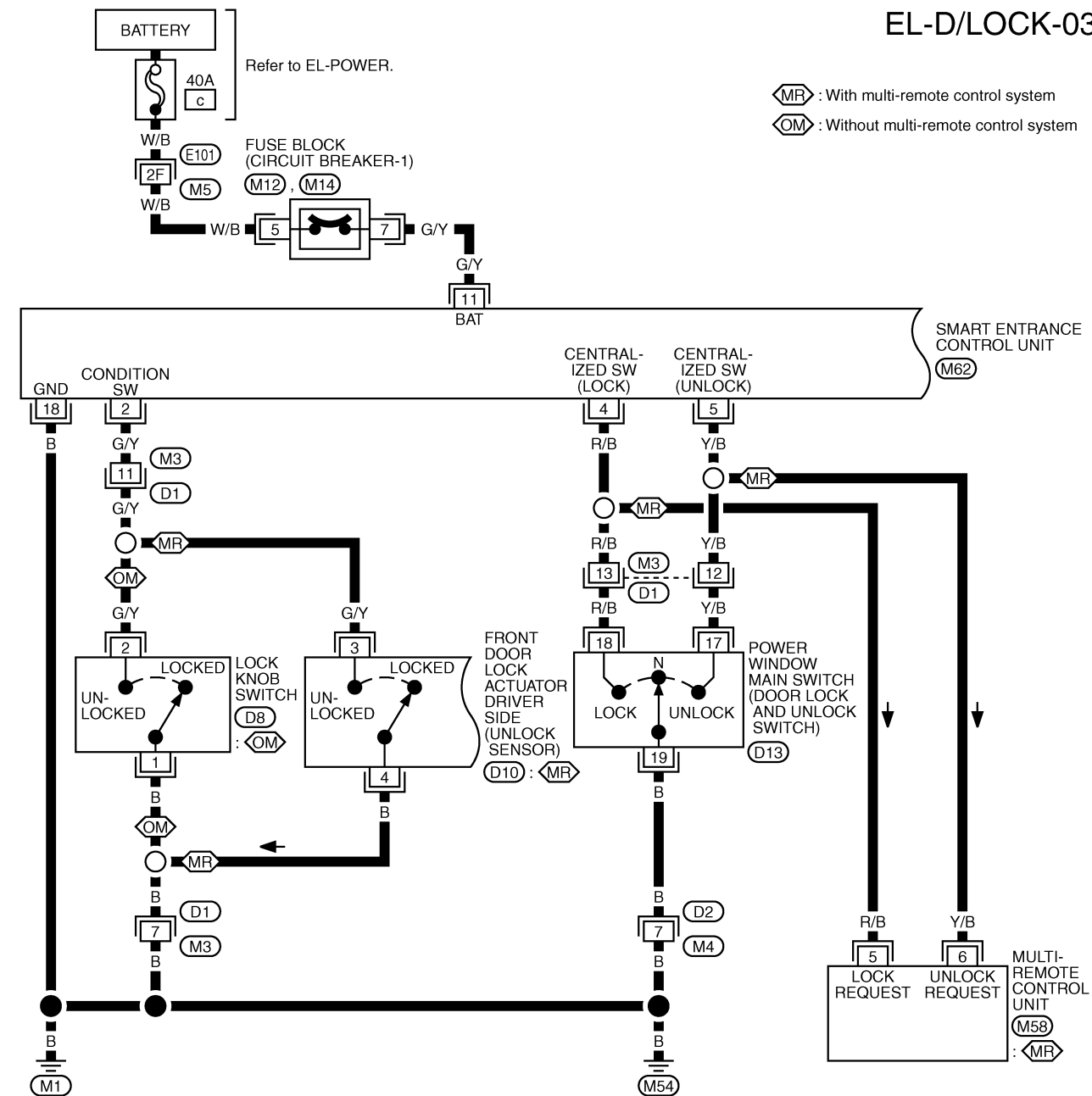
EL-D/LOCK-02

⬡DC⬡ : Double cab models



## Wiring Diagram — D/LOCK —

EL-D/LOCK-03



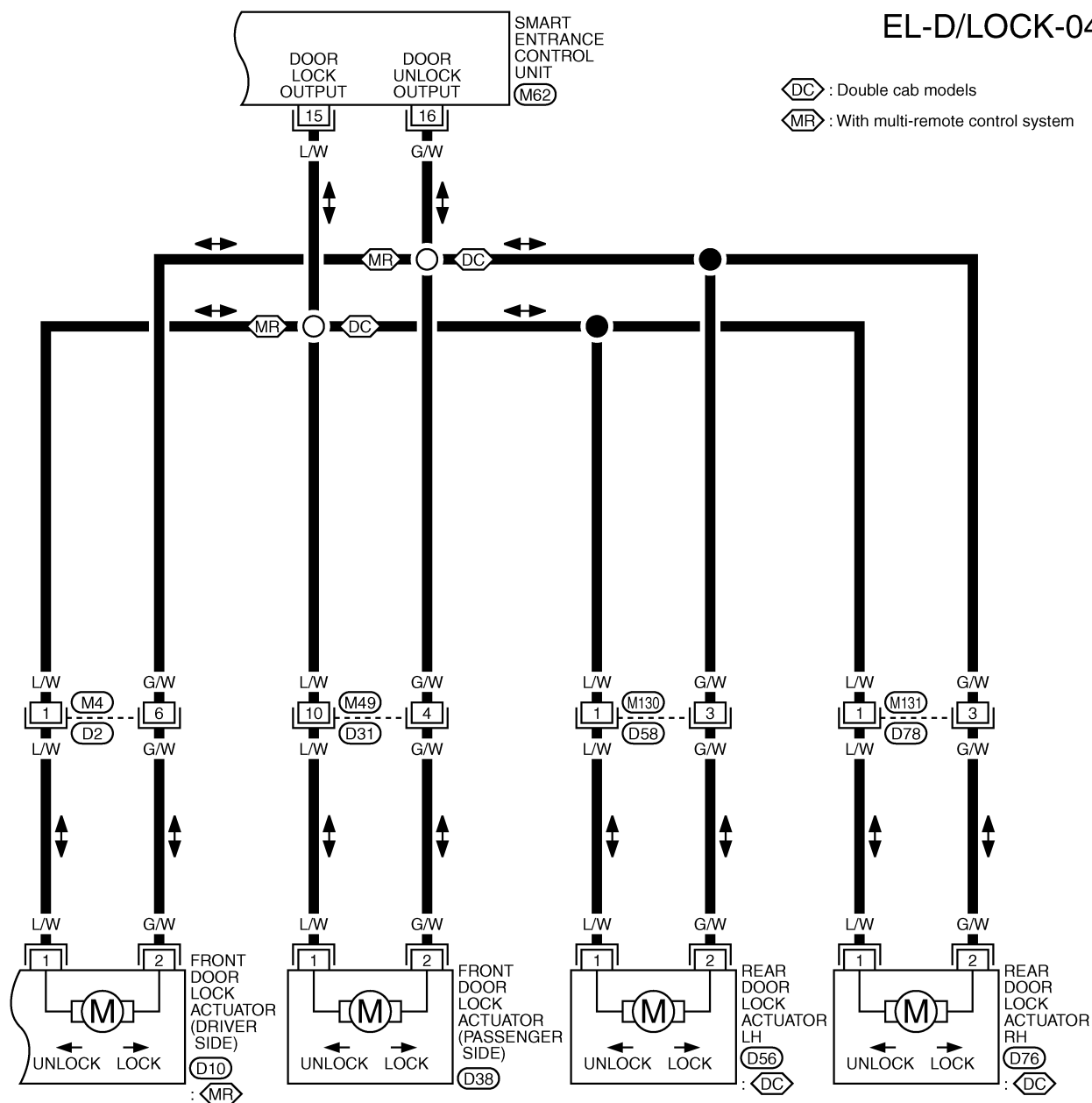
Refer to last page (Foldout page).

M5, E101

# POWER DOOR LOCK/FOR THE MIDDLE EAST

## Wiring Diagram — D/LOCK — (Cont'd)

EL-D/LOCK-04



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

(M62)



1	2	3	4	5
6	7	8	9	10

(D2)

3	2
4	1

(D10)

(D38)

(D56)

(D76)

1	2	3	4
5	6	7	8

(D31)

1	2
3	4

(D58)

(D78)

EL

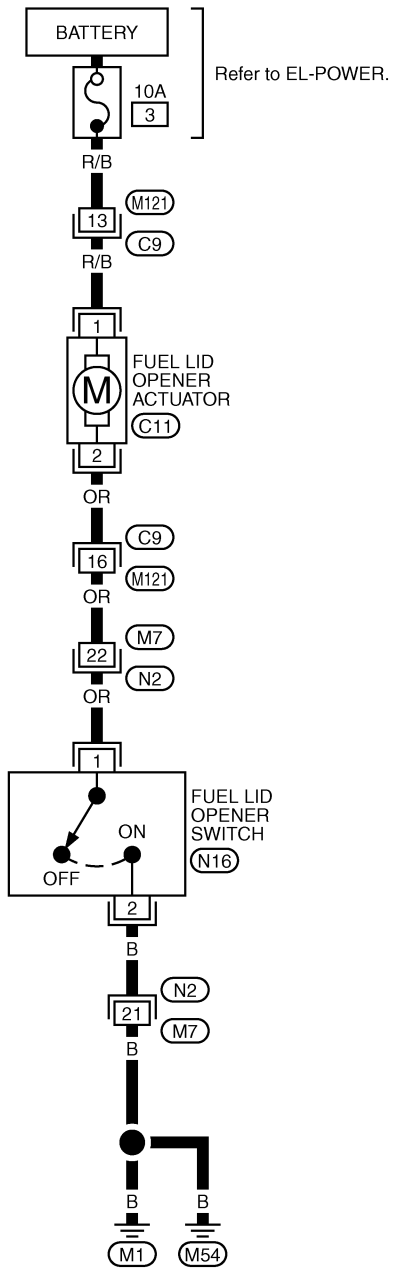
GEL178B

IDX

# FUEL FILLER LID OPENER

## Wiring Diagram — F/LID —

EL-F/LID-01



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

(N2)  
W

(1 2)  
(N16)  
B

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

(C9)  
W

(1 2)  
(C11)  
GY



## System Description

### FUNCTION

Multi-remote control system has the following function.

- Door lock
- Door unlock
- Hazard reminder

### LOCK OPERATION

When the LOCK signal is input to multi-remote control unit (the antenna of the system is combined with multi-remote control unit), ground is supplied

- through multi-remote control unit terminal ⑤
- to smart entrance control unit terminal ④ .

Then smart entrance control unit supplies power and ground to each door lock actuator.

### UNLOCK OPERATION

When the UNLOCK signal is input to multi-remote control unit (the antenna of the system is combined with multi-remote control unit), ground is supplied

- through multi-remote control unit terminal ⑥
- to smart entrance control unit terminal ⑤ .

Then smart entrance control unit supplies power and ground to each door lock actuator.

### HAZARD REMINDER

When the doors are locked or unlocked (signal from driver's door unlock sensor) by multi-remote controller, power is supplied

- through multi-remote control unit terminals ③ and ⑧
- to the hazard warning lamps

Then hazard warning lamp flash as follows.

- Lock operation: Flash once
- Unlock operation: Flash twice

### MULTI-REMOTE CONTROLLER ID CODE ENTRY

A maximum of four remote controllers can be entered. Any attempt to enter a remote controller will erase all ID codes previously entered. Therefore, be sure to receive all remote controllers from the vehicle owner when any ID code entry is performed.

To enter ID code entry, the following signals must be input to the multi-remote control unit.

- Ignition switch ON signal
- Battery power supply
- Signal from remote controller

For detailed procedure, refer to "ID Code Entry Procedure" in EL-85.

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HA

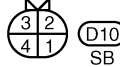
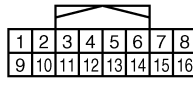
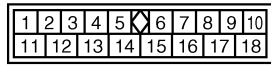
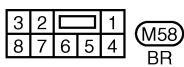
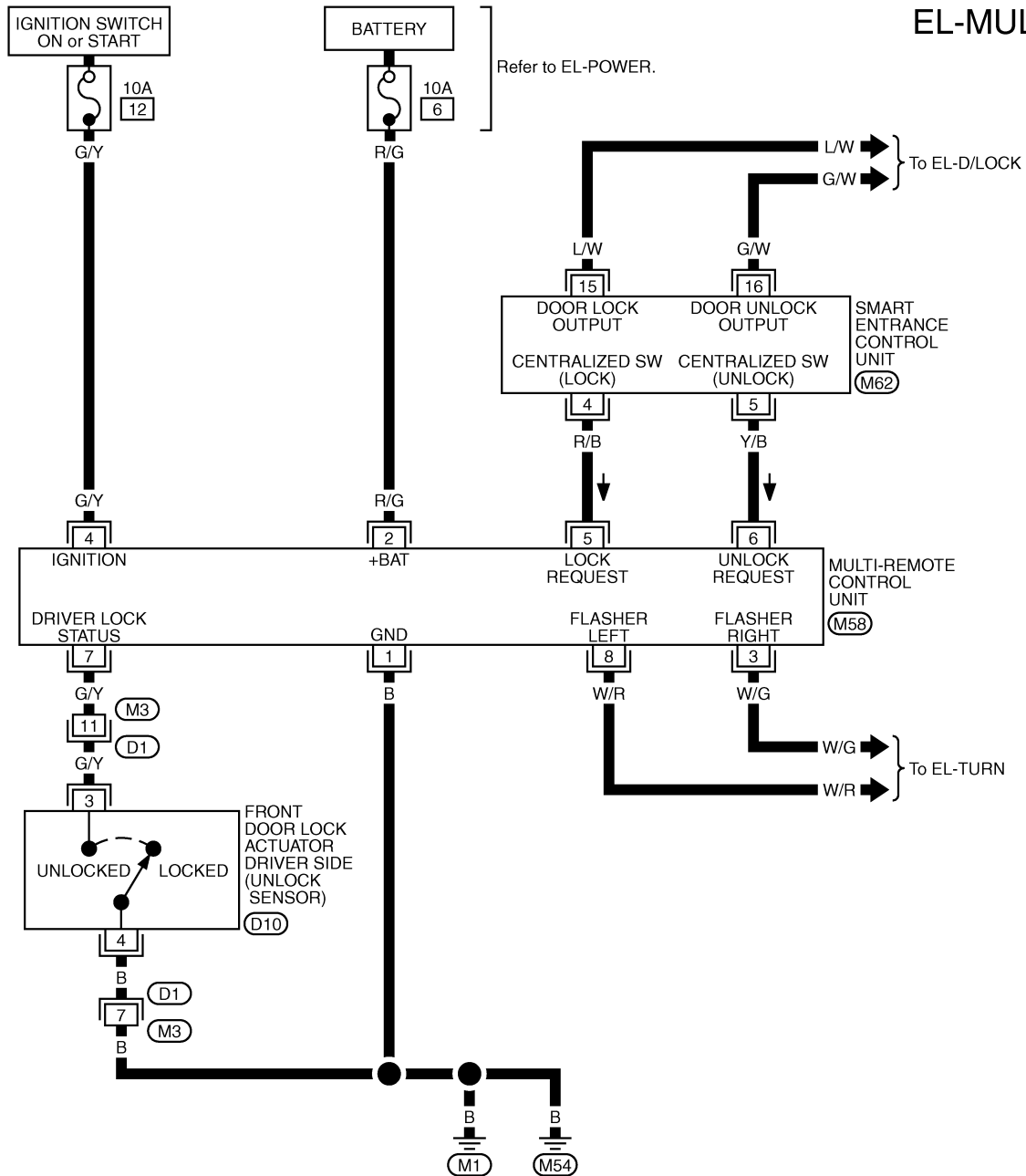
EL

IDX

# MULTI-REMOTE CONTROL SYSTEM

## Wiring Diagram — MULTI —

EL-MULTI-01



## Trouble Diagnoses

### SYMPTOM CHART

Symptom	Possible cause	Diagnoses/service order
No doors can be locked or unlocked by remote control operation. (See NOTE.)	<ol style="list-style-type: none"> <li>1. Power door lock system</li> <li>2. Remote controller battery</li> <li>3. Door lock/unlock circuit</li> <li>4. Ignition power supply circuit for multi-remote control unit</li> <li>5. Power supply circuit for multi-remote control unit</li> <li>6. Ground circuit for multi-remote control unit</li> <li>7. Remote controller</li> </ol>	<ol style="list-style-type: none"> <li>1. Check power door lock operation.</li> <li>2. Check remote controller battery. Refer to EL-86.</li> <li>3. Check harness for open or short between multi-remote control unit and smart entrance control unit.</li> <li>4. Make sure battery voltage is present at terminal ④ of multi-remote control unit while ignition switch is in IGN position.</li> <li>5. Make sure battery voltage is present at terminal ② of multi-remote control unit.</li> <li>6. Check continuity between terminal ① of multi-remote control unit and ground.</li> <li>7. Replace remote controller. Refer to EL-85.</li> </ol>
Hazard reminder does not operate properly.	<ol style="list-style-type: none"> <li>1. Hazard reminder output to hazard warning lamps</li> <li>2. Hazard reminder circuit</li> <li>3. Driver's door unlock sensor</li> </ol>	<ol style="list-style-type: none"> <li>1. Check hazard reminder output to hazard warning lamps at terminals ③ and ⑧ of multi-remote control unit.</li> <li>2. Check the harness for open or short between hazard warning lamps and multi-remote control unit.</li> <li>3. Check driver's door unlock sensor signal at terminal ⑦ of multi-remote control unit.</li> </ol>
The new ID of remote controller cannot be entered.	<ol style="list-style-type: none"> <li>1. Remote controller battery</li> <li>2. Ignition power supply circuit for multi-remote control unit</li> <li>3. Driver's door unlock sensor</li> <li>4. Remote controller</li> </ol>	<ol style="list-style-type: none"> <li>1. Check remote controller battery. Refer to EL-86.</li> <li>2. Make sure battery voltage is present at terminal ④ of multi-remote control unit while ignition switch is in IGN position.</li> <li>3. Check driver's door unlock sensor signal at terminal ⑦ of multi-remote control unit.</li> <li>4. Replace remote controller. Refer to EL-85.</li> </ol>

Refer to "MULTI-REMOTE CONTROL UNIT INSPECTION TABLE" on next page to check the control unit signals.

#### NOTE:

- The lock operation of multi-remote control system does not activate with the ignition key ON position.

# MULTI-REMOTE CONTROL SYSTEM

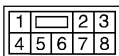
## Trouble Diagnoses (Cont'd)

### MULTI-REMOTE CONTROL UNIT INSPECTION TABLE

Terminal No.	Connections	Condition		Voltage (V) (approximate values)
1	Ground	—		—
2	Power source (BAT)	—		12
3	Hazard warning lamp RH	Remote controller LOCK/UNLOCK button is pushed (All doors are closed and key is not in ignition key cylinder.)		12
		Other than above condition		0
4	Ignition power supply	Ignition switch	OFF	0
			ON or START	12
5	Lock signal	Remote controller LOCK button is pushed (All doors are closed and key is not in ignition key cylinder.)		0
		Other than above condition		5
6	Unlock signal	Remote controller UNLOCK button is pushed (Key is not in ignition key cylinder.)		0
		Other than above condition		5
7	Driver side door unlock sensor	Driver side door	Locked	5
			Unlocked	0
8	Hazard warning lamp LH	Remote controller LOCK/UNLOCK button is pushed (All doors are closed and key is not in ignition key cylinder.)		12
		Other than above condition		0



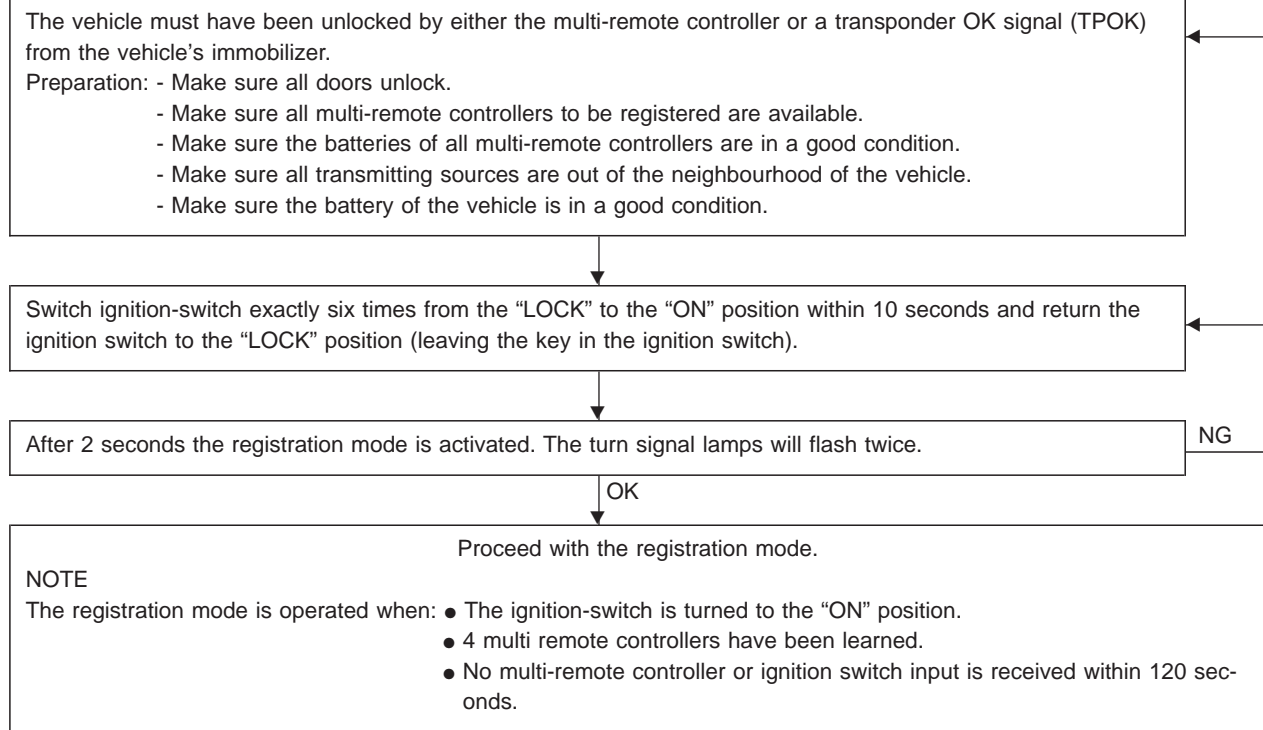
Multi-remote control  
unit connector



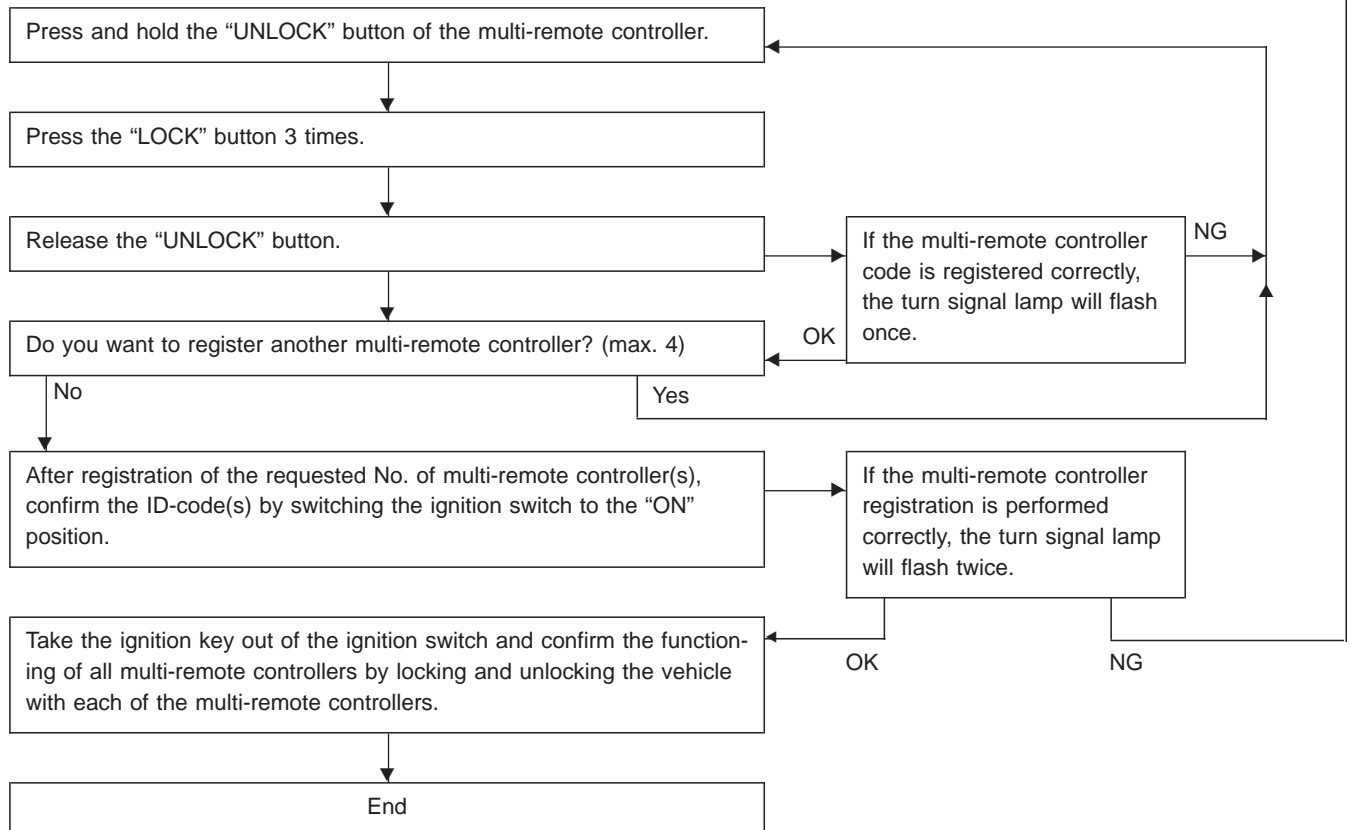
SEL147X

## ID Code Entry Procedure

### Activation of the registration mode:



### Registration mode

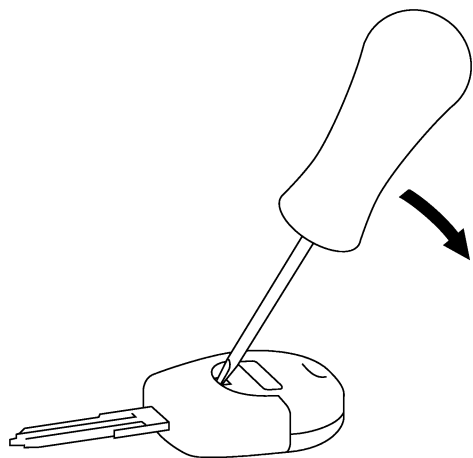


## Remote Controller Battery Replacement

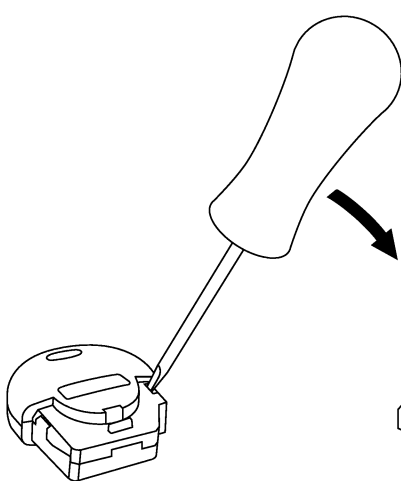
**NOTE:**

- Be careful not to touch the circuit board or battery terminal.
- The remote controller is water-resistant. However, if it does get wet, immediately wipe it dry.
- Push the remote controller button two or three times to check its operation after replacing battery.

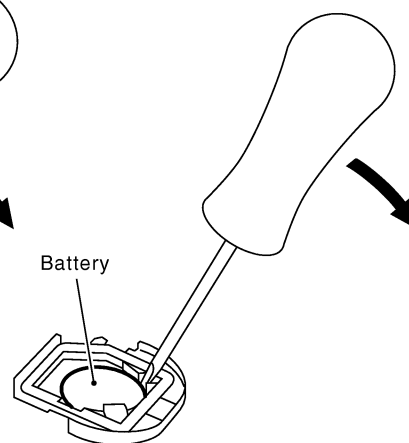
STEP 1



STEP 2



STEP 3



SEL241X

NOTE:

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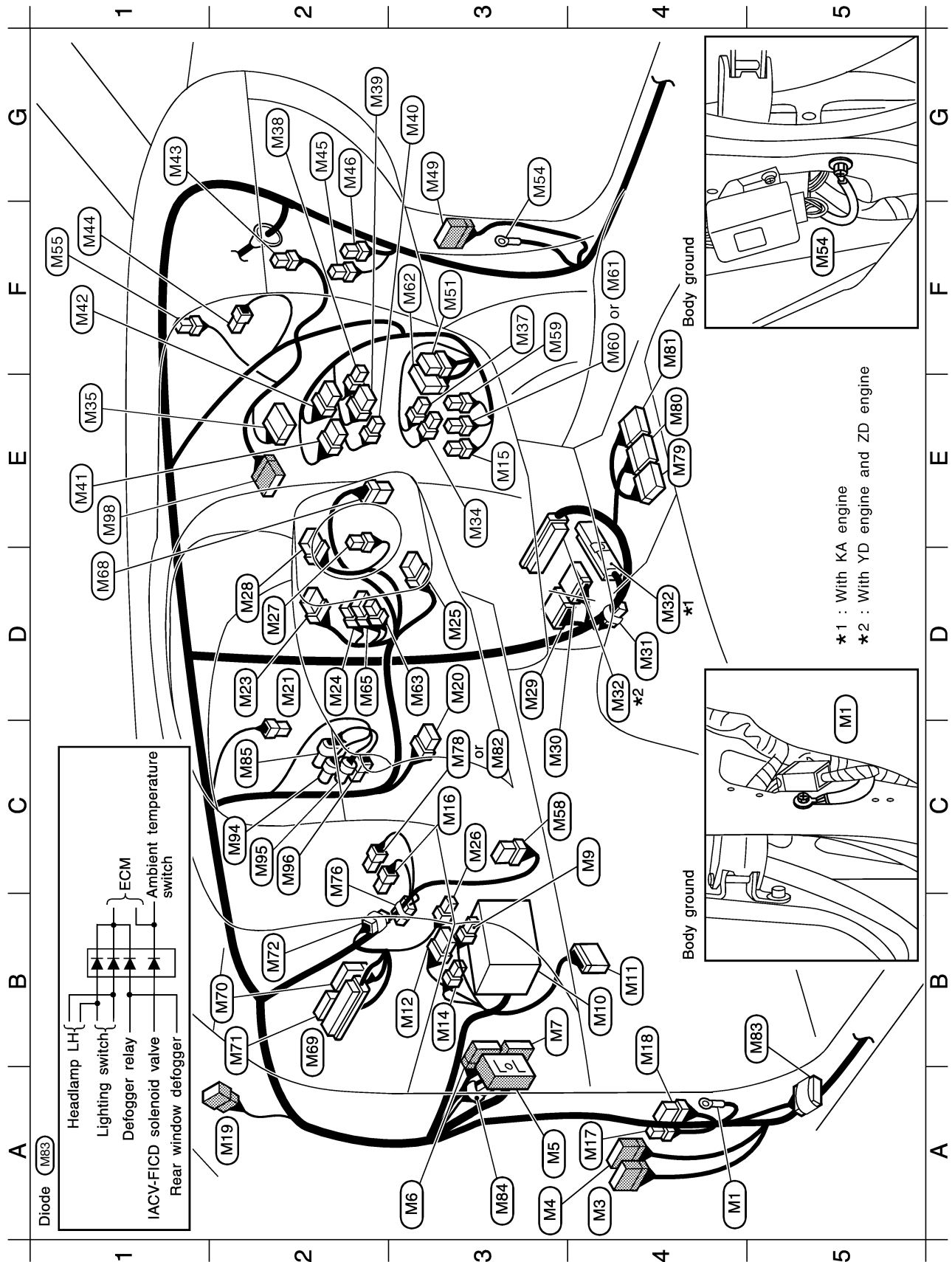
EL

IDX

# HARNESS LAYOUT

## Main Harness

### INSTRUMENT PANEL — LHD MODELS





# HARNESS LAYOUT

## Main Harness (Cont'd)

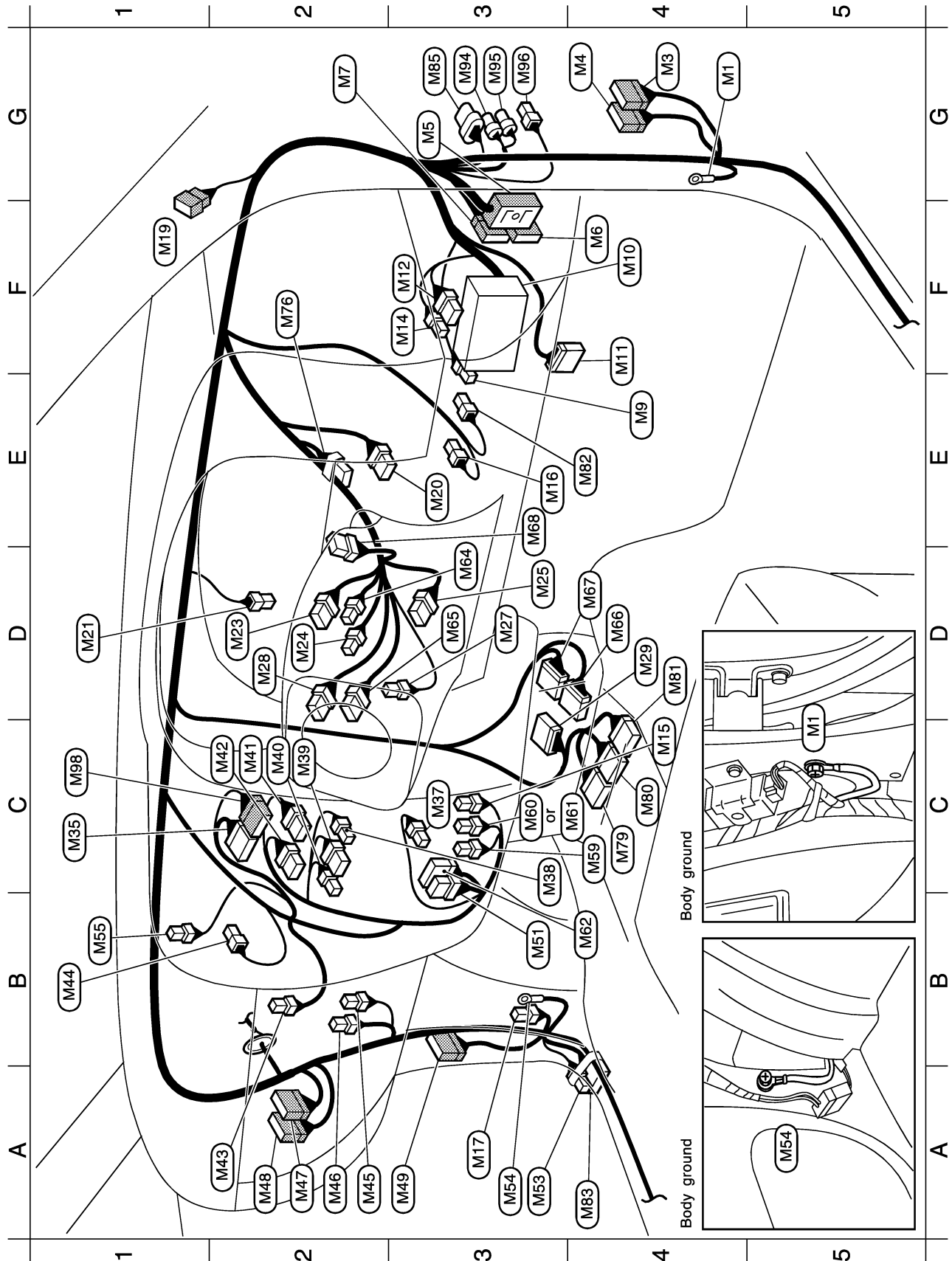
A4 (M1)	—	: Body ground	F3 (M37)	B/2	: Cigarette lighter	B2 (M69)	W/48	: TCM (Transmission control module)
A4 (M3)	W/16	: To (D1)	G2 (M38)	W/3	: A/C switch	B2 (M70)	W/24	: TCM (Transmission control module)
A3 (M4)	W/12	: To (D2) (With power window)	G2 (M39)	W/6	: Fan switch	B2 (M71)	GY/24	: TCM (Transmission control module)
A3 (M5)	SMJ	: To (E101)	G3 (M40)	W/2	: Fan switch illumination	B2 (M72)	-/6	: TCM (Transmission control module)
A3 (M6)	W/16	: To (N1) (Except single cab with QD engine)	E1 (M41)	W/8	: Hazard switch	C2 (M76)	W/6	: Joint connector-2 (With A/T)
B3 (M7)	W/24	: To (N2)	F1 (M42)	W/6	: Defogger switch (For Europe or double cab except for the Middle East)	C3 (M78)	L/2	: Option connector (For Europe)
C4 (M9)	L/4	: Fuel pump relay (KA engine)	G1 (M43)	Y/2	: Front passenger air bag module	E4 (M79)	Y/12	: (For theft warning system)
B4 (M10)	—	: Fuse block	F1 (M44)	BR/4	: Thermo control amplifier	E4 (M80)	Y/20	: Shift lock brake switch (With A/T)
B4 (M11)	W/16	: Data link connector	G2 (M45)	BR/4	: Fan resistor	F4 (M81)	Y/12	: Air bag diagnosis sensor unit
B3 (M12)	W/6	: Fuse block	G2 (M46)	W/2	: Blower motor	C3 (M82)	B/2	: (For pre-tensioner seat belt)
B3 (M14)	W/4	: Fuse block	G3 (M49)	W/10	: To (D31)	B5 (M83)	L/10	: Air bag diagnosis sensor unit
E3 (M15)	B/3	: Combination flasher unit	F3 (M51)	W/8	: Door lock timer (With power door lock except for the Middle East)	A3 (M84)	BR/2	: (For pre-tensioner seat belt)
C3 (M16)	B/2	: Stop lamp switch	G3 (M54)	—	: Body ground	C2 (M85)	GY/6	: Brake pedal position switch
A4 (M17)	L/4	: Front fog lamp relay (For Europe)	F1 (M55)	W/2	: Security indicator (With NATS)	C2 (M94)	BR/3	: (YD engine)
B4 (M18)	W/6	: Not used (QD engine with A/T)	C3 (M58)	BR/8	: Multi-remote control unit (With rear power window for the Middle East)	C2 (M95)	GY/3	: Diode (KA engine)
A2 (M19)	W/6	: To (R1)	F3 (M59)	BR/6	: Defogger relay (For Europe or double cab except for the Middle East)	C2 (M96)	W/3	: Resistor (With A/T)
D3 (M20)	W/6	: Ignition switch	F4 (M60)	L/4	: Rear fog lamp relay (For Europe)	E1 (M98)	W/12	: Accelerator work unit (YD engine)
D2 (M21)	W/1	: Parking brake switch (Stick type)	F4 (M61)	L/4	: Front fog lamp relay (YD engine with power window and ZD engine)	C2 (M99)	W/12	: Accelerator position sensor
D2 (M23)	BR/8	: Turn signal lamp switch	F3 (M62)	W/18	: Smart entrance control unit (With power window for the Middle East)	C2 (M99)	GY/3	: Accelerator position switch
D2 (M24)	BR/4	: Lighting switch	D3 (M63)	W/3	: Front fog lamp switch (YD engine with power window and ZD engine)	C2 (M99)	W/3	: Accelerator position switch
D3 (M25)	Y/7	: Spiral cable (With air bag)	D2 (M65)	W/6	: Fog lamp switch (For Europe)	E1 (M98)	W/12	: Accelerator switch (F/C)
C3 (M26)	L/2	: A/T check switch	D1 (M68)	W/8	: Fog lamp switch (For Europe)	C2 (M99)	W/3	: ZD engine
D2 (M27)	B/1	: Horn switch (Without air bag)			: NATS IMMU (For Europe)			: (Except for Europe)
D2 (M28)	GY/8	: Wiper and washer switch						
D3 (M29)	W/12	: Glow control unit (TD engine except for cold areas and QD engine)						
C3 (M30)	W/16	: Glow control unit						
D4 (M31)	GY/6	: (TD engine for cold areas)						
D4 (M32)	SMJ	: Joint connector-1 (KA engine)						
E3 (M34)	W/2	: ECM (KA, YD and ZD engines)						
		: Ashtray illumination						
		: (For the Middle East)						
E1 (M35)	W/10	: Audio unit (For Europe)						

GI  
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EL

# HARNESS LAYOUT

## Main Harness (Cont'd)

### INSTRUMENT PANEL — RHD MODELS



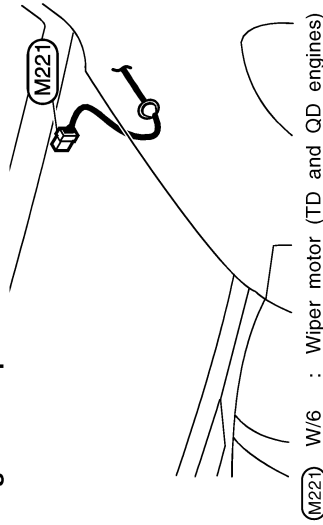
HEL175C

# HARNESS LAYOUT

## Main Harness (Cont'd)

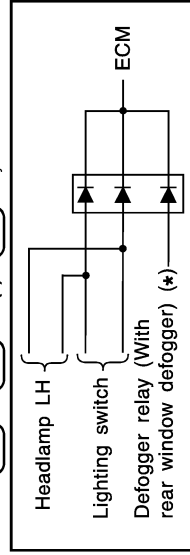
G4 (M1)	—	: Body ground	A2 (M46)	W/2	: Blower motor	C4 (M80)	Y/20	: Air bag diagnosis sensor unit (With air bag)
G4 (M3)	W/16	: To (D1)	A2 (M47)	W/16	: To (F55) (KA, YD and ZD engines)	D4 (M81)	Y/12	: Air bag diagnosis sensor unit (With air bag for Europe and Australia)
G4 (M4)	W/12	: To (D2) (With power window)	A2 (M48)	W/24	: To (F54) (KA, YD and ZD engines)	E4 (M82)	B/2	: Brake pedal position switch (YD engine)
G3 (M5)	SMJ	: To (E101)	A3 (M49)	W/10	: To (D31)	A4 (M83)	L/10	: Diode (Double cab with KA engine)
F4 (M6)	W/16	: To (N1)	B3 (M51)	W/8	: Door lock timer (With power door lock except for Europe)	G3 (M85)	GY/6	: Accelerator work unit (YD engine)
G2 (M7)	W/24	: To (N2)	A3 (M53)	L/4	: Diode (Single cab with KA engine)	G3 (M84)	BR/3	: Accelerator position sensor (ZD engine)
E4 (M9)	L/4	: Fuel pump relay (KA engine)	A3 (M54)	—	: Body ground	G3 (M95)	GY/3	: Accelerator position switch (ZD engine)
F4 (M10)	—	: Fuse block	B1 (M55)	W/2	: Security indicator (For Europe)	G3 (M96)	W/3	: Accelerator switch (F/C) (ZD engine)
F4 (M11)	W/16	: Data link connector	C4 (M59)	BR/6	: Defogger relay (For Europe or double cab)	C1 (M98)	W/12	: Audio unit (Via sub-harness) (Except for Europe)
F3 (M12)	W/6	: Fuse block	C3 (M60)	L/4	: Rear fog lamp relay (For Europe)			
F3 (M14)	W/4	: Fuse block	C4 (M61)	L/4	: Front fog lamp relay (Double cab with ZD engine)			
C4 (M15)	B/3	: Combination flasher unit	B4 (M62)	W/18	: Smart entrance control unit (For Europe)			
E3 (M16)	B/2	: Stop lamp switch	D3 (M64)	W/4	: Front fog lamp switch (Double cab with ZD engine)			
A3 (M17)	L/4	: Front fog lamp relay (For Europe)	D3 (M65)	W/6	: Front and rear fog lamp switch (For Europe)			
F1 (M19)	W/6	: To (R1)	D4 (M66)	GY/20	: ECM (TD engine with EGR)			
E3 (M20)	W/6	: Ignition switch	D4 (M67)	GY/16	: ECM (TD engine with EGR)			
D1 (M21)	W/1	: Parking brake switch (Stick type)	E3 (M68)	W/8	: NATS IMMU (For Europe)			
D2 (M23)	BR/8	: Turn signal lamp switch	F2 (M76)	W/6	: Option connector for theft warning system (For Europe)			
D2 (M24)	BR/4	: Lighting switch	C4 (M79)	Y/12	: Air bag diagnosis sensor unit (With air bag for Europe and Australia)			
D3 (M25)	Y/7	: Spiral cable (With air bag)						
D3 (M27)	B/1	: Horn switch (Without air bag)						
D2 (M28)	GY/8	: Wiper and washer switch						
D4 (M29)	W/12	: Glow control unit (TD engine without EGR and QD engine)						
C1 (M35)	W/16	: Audio unit (For Europe)						
C3 (M37)	B/2	: Cigarette lighter						
C3 (M38)	W/3	: A/C switch						
C2 (M39)	W/6	: Fan switch						
C2 (M40)	W/2	: Fan switch illumination						
C2 (M41)	W/8	: Hazard switch						
C2 (M42)	W/6	: Defogger switch (For Europe or double cab)						
A2 (M43)	Y/2	: Front passenger air bag module						
B1 (M44)	BR/4	: Thermo control amplifier						
A2 (M45)	BR/4	: Fan resistor						

### Engine compartment



(M221) W/6 : Wiper motor (TD and QD engines)

Diode (M53) or (M83) (★)... (M83) only



GI  
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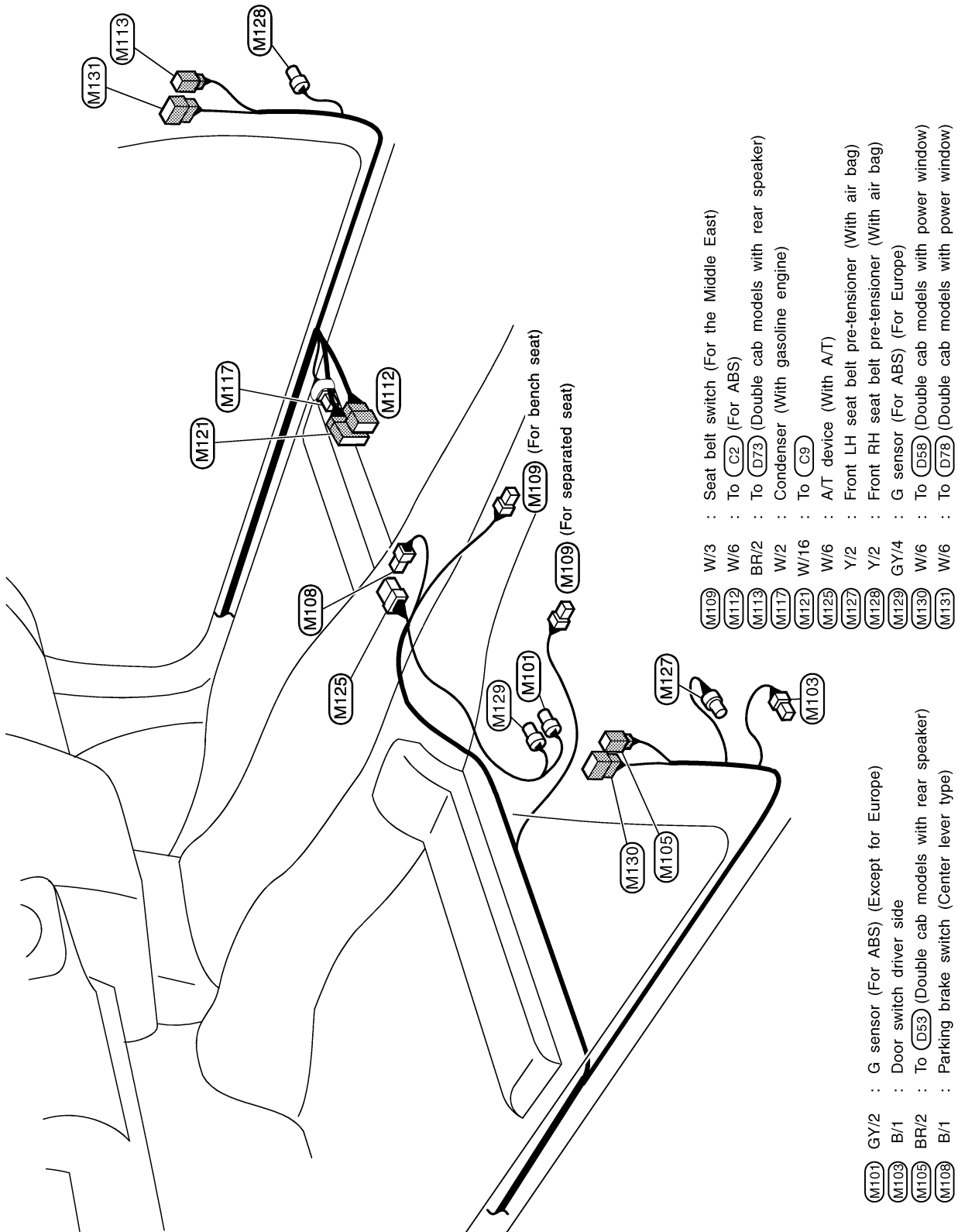
HEL176C

IDX

# HARNESS LAYOUT

## Main Harness (Cont'd)

### BODY SIDE — LHD MODELS

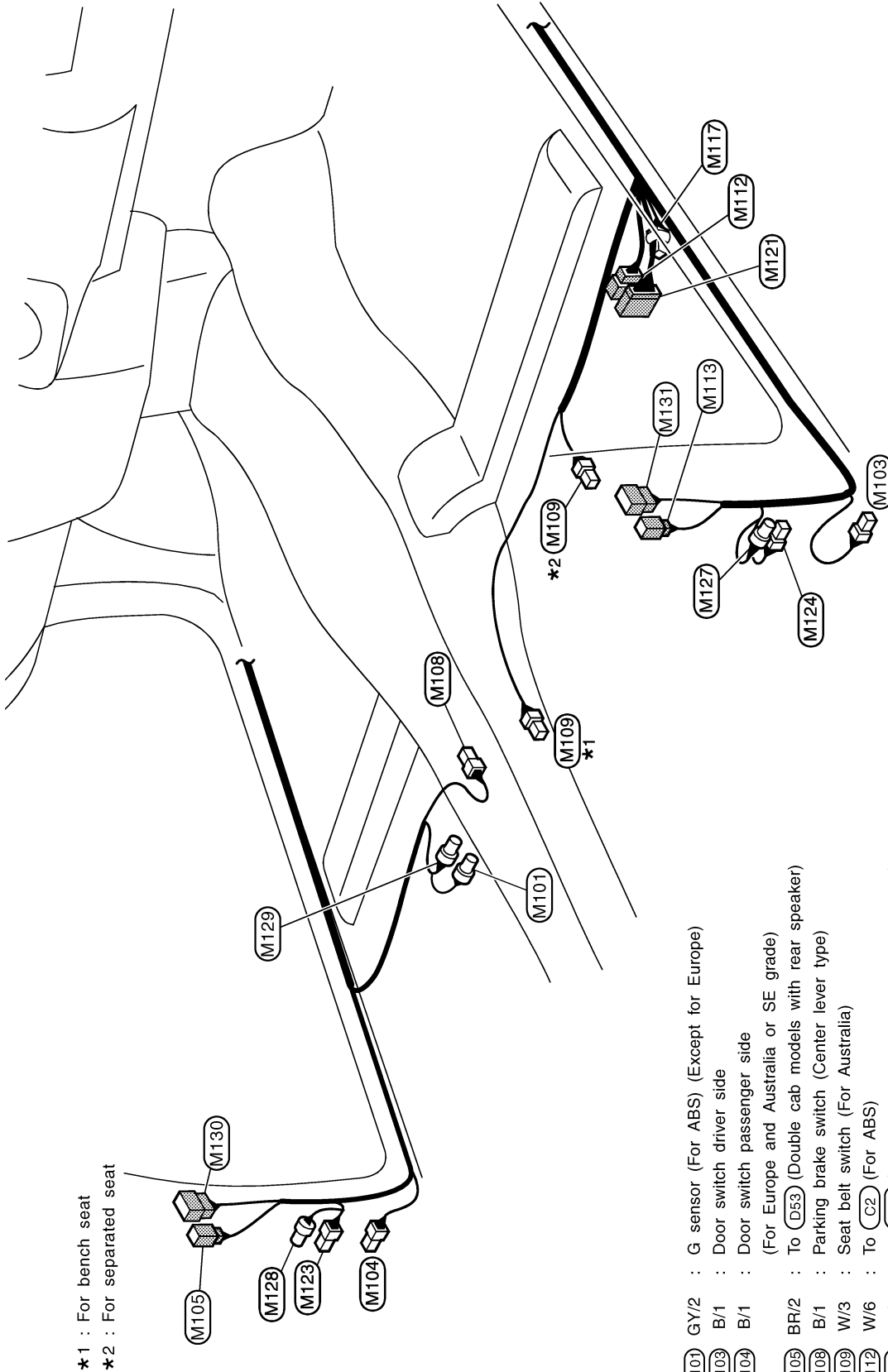


HEL177C

# HARNESS LAYOUT

## Main Harness (Cont'd)

### BODY SIDE — RHD MODELS



- (M101) GY/2 : G sensor (For ABS) (Except for Europe)
- (M103) B/1 : Door switch driver side
- (M104) B/1 : Door switch passenger side
- (M105) BR/2 : To (D53) (Double cab models with rear speaker)
- (M108) B/1 : Parking brake switch (Center lever type)
- (M109) W/3 : Seat belt switch (For Australia)
- (M110) W/6 : To (C2) (For ABS)
- (M111) BR/2 : To (D73) (Double cab models with rear speaker)
- (M112) W/2 : Condenser (KA engine)
- (M113) W/16 : To (C9)
- (M117) W/4 : Front LH seat belt pre-tensioner
- (M121) W/4 : (With air bag for Europe and Australia)
- (M123) W/4 : Front RH seat belt pre-tensioner
- (M124) W/4 : (With air bag for Europe and Australia)

- (M127) Y/2 : Front RH seat belt pre-tensioner (With air bag except QD engine)
- (M128) Y/2 : Front LH seat belt pre-tensioner (With air bag except QD engine)
- (M129) GY/4 : G sensor (For ABS) (For Europe)
- (M130) W/6 : To (D58) (Double cab models with power window)
- (M131) W/6 : To (D78) (Double cab models with power window)

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

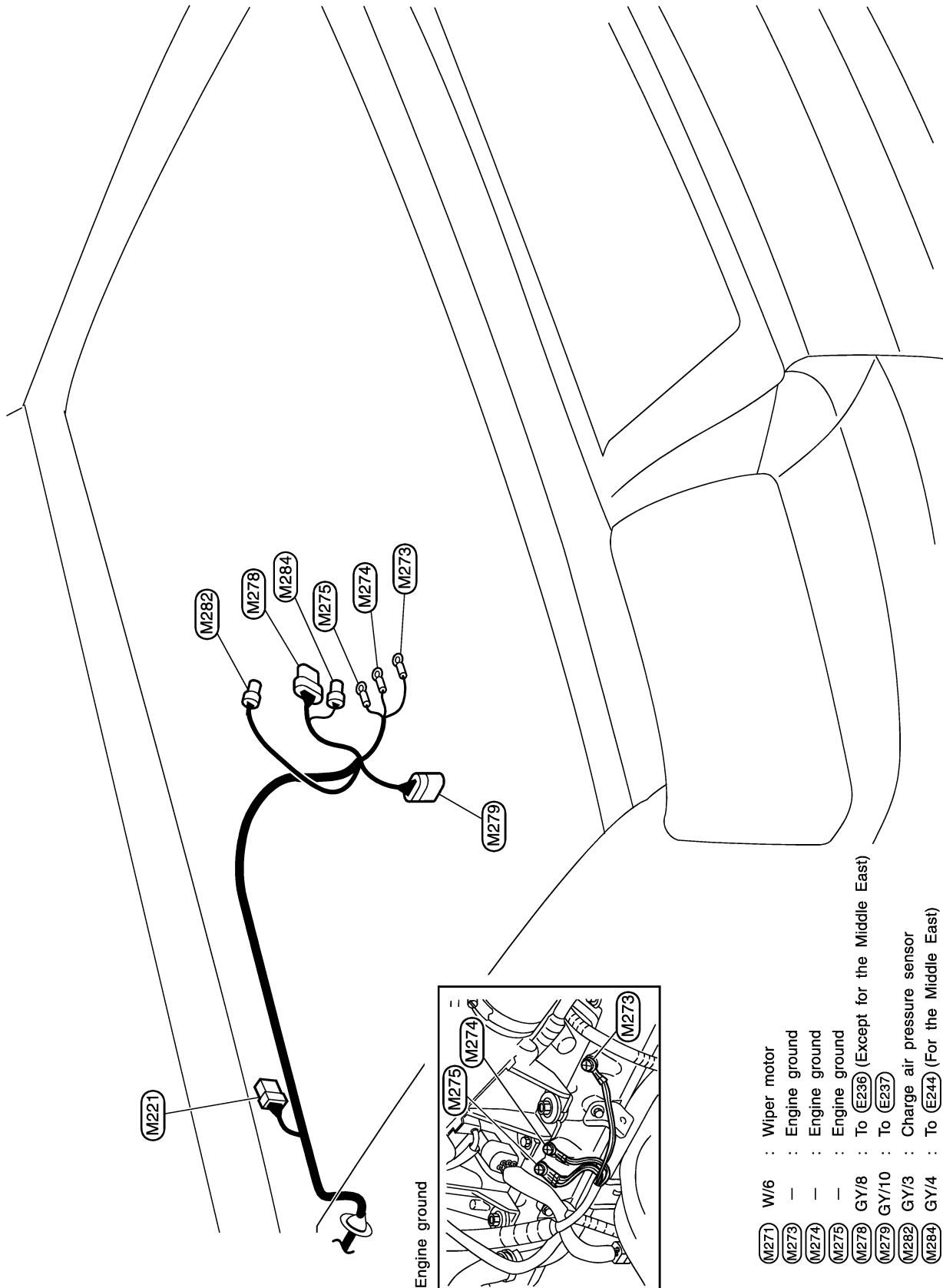
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HEL178C

# HARNESS LAYOUT

## Main Harness (Cont'd)

### ENGINE COMPARTMENT — YD ENGINE (LHD models)

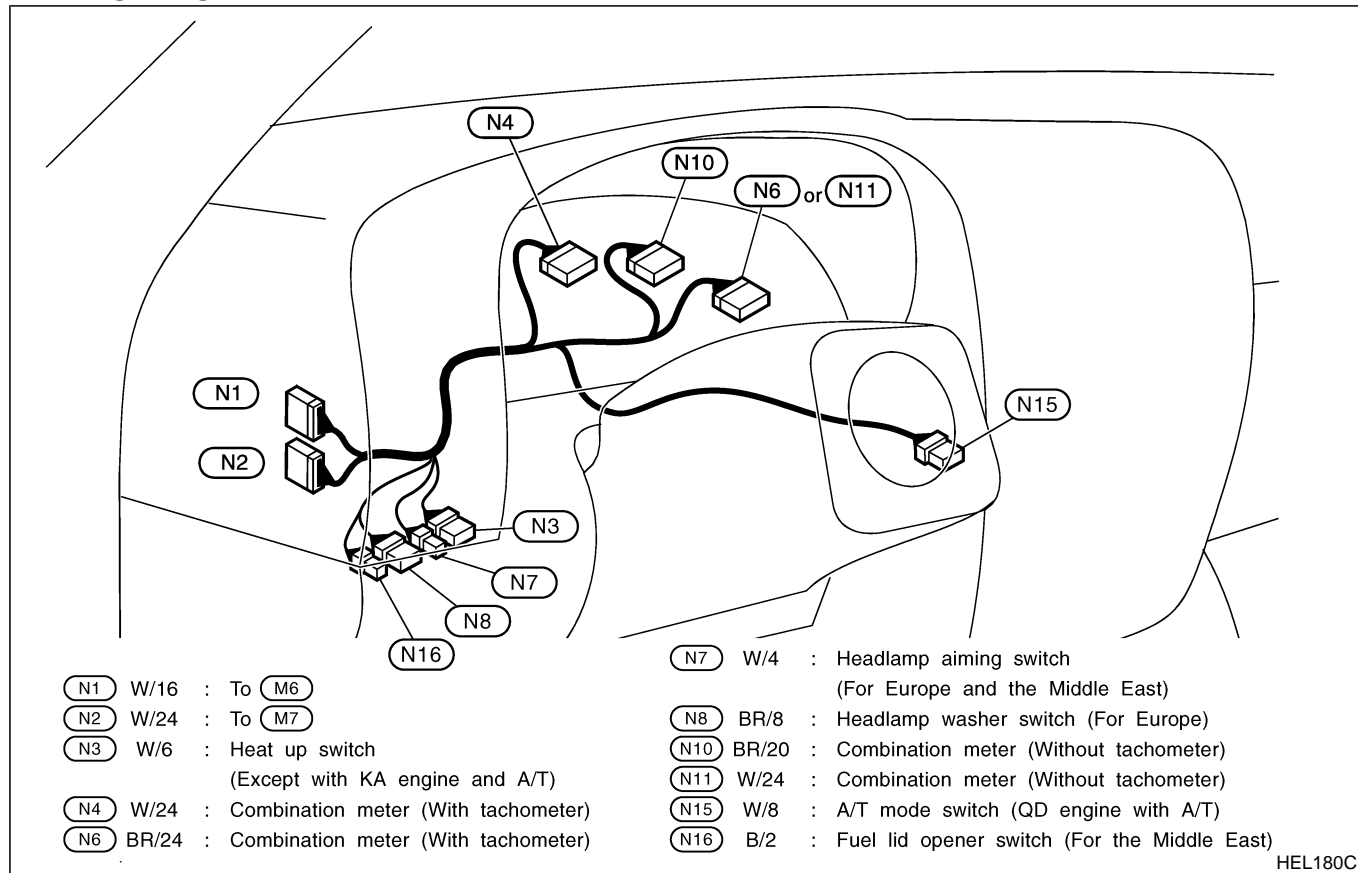


HEL179C

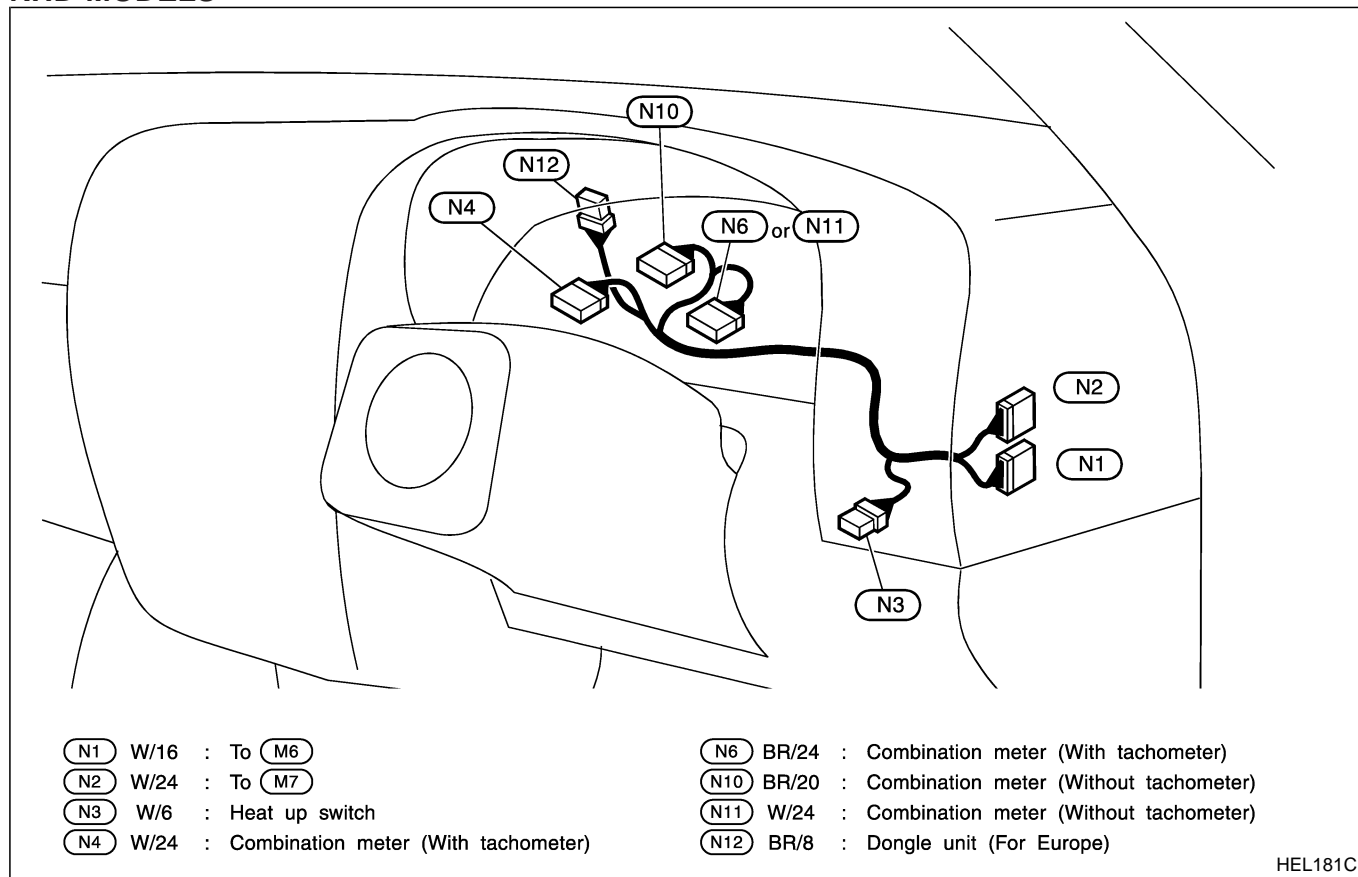
# HARNESS LAYOUT

## Instrument Harness

### LHD MODELS



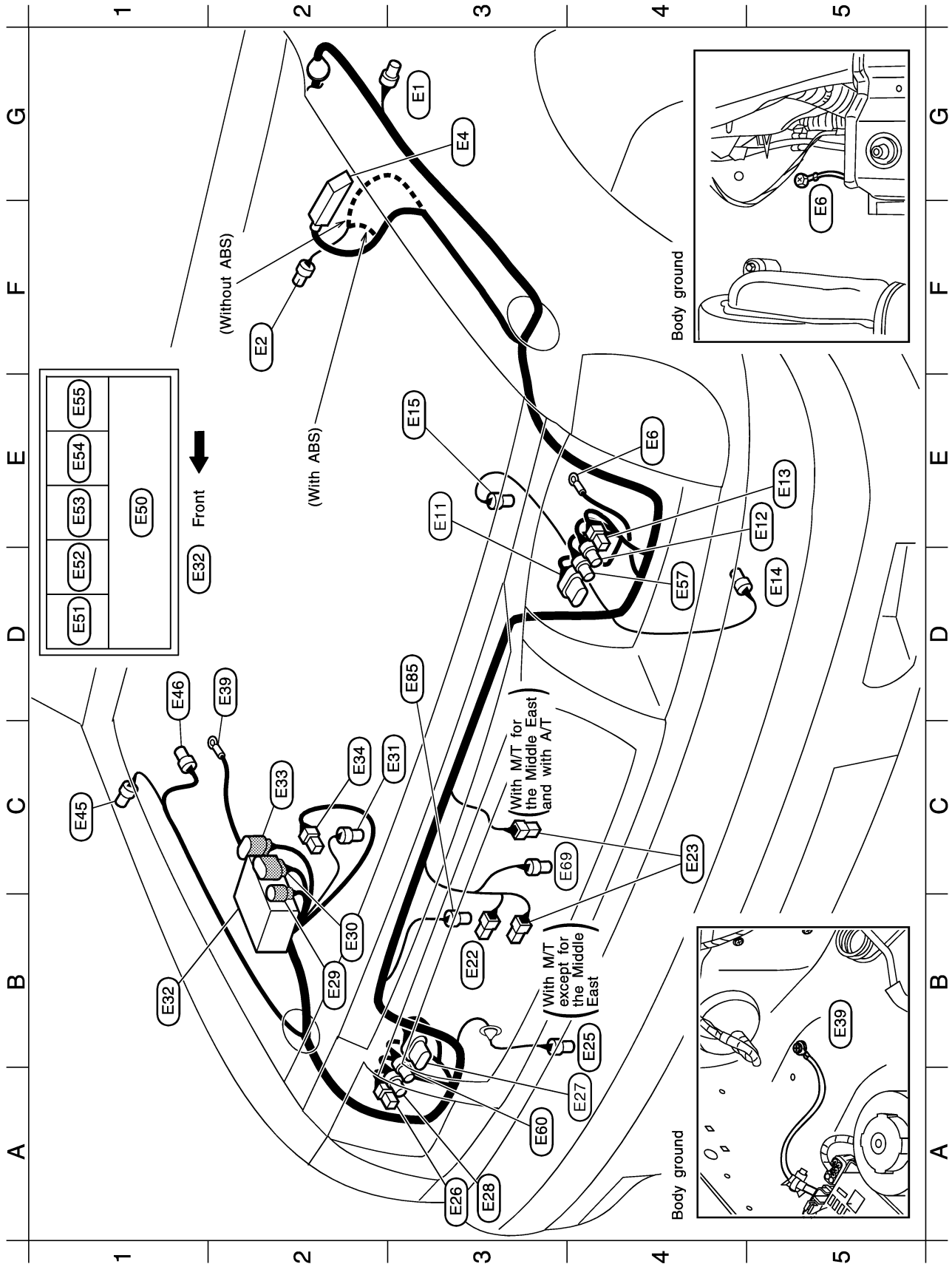
### RHD MODELS



# HARNESS LAYOUT

## Engine Room Harness

### LHD MODELS — GASOLINE ENGINE



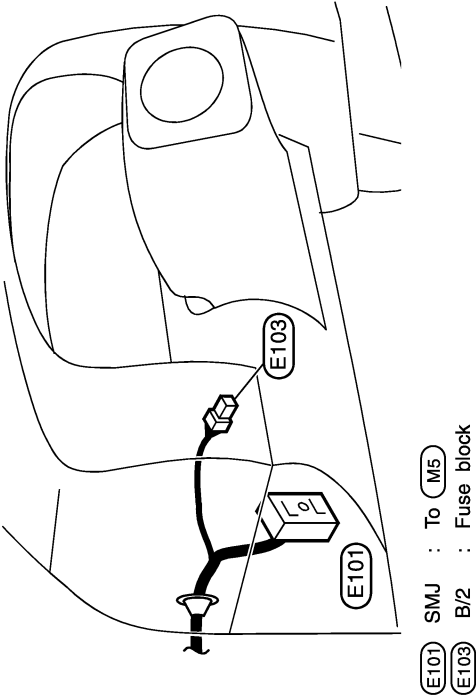


HARNESS LAYOUT  
Engine Room Harness (Cont'd)

G3	(E1)	GY/2	: Side turn signal lamp LH
F2	(E2)	GY/2	: Brake fluid level switch (For the Middle East)
G3	(E4)	B/31	: ABS actuator and electric unit (For ABS)
E4	(E6)	—	: Body ground
E3	(E11)	GY/6	: Front combination lamp LH
			(2WD models for the Middle East)
E5	(E12)	GY/3	: Front combination lamp LH
			(Except 2WD models for the Middle East)
E5	(E13)	B/3	: Headlamp LH
D5	(E14)	GY/2	: Washer pump
E3	(E15)	BR/2	: Front wheel sensor LH (For ABS)
B3	(E22)	B/1	: Horn low
C4	(E23)	B/1	: Horn high
B4	(E25)	GY/4	: Triple-pressure switch
A3	(E26)	B/3	: Headlamp RH
A4	(E27)	GY/6	: Front combination lamp RH
			(2WD models for the Middle East)
A3	(E28)	GY/3	: Front combination lamp RH
			(Except 2WD models for the Middle East)
B2	(E29)	GY/2	: To (E204)
B2	(E30)	GY/8	: To (E203)
C3	(E31)	GY/2	: Front wheel sensor RH (For ABS)
B1	(E32)	—	: Relay box (Fusible link and fuse box)
C2	(E33)	SB/8	: To (E205)
C2	(E34)	B/1	: Battery
D2	(E39)	—	: Body ground
C1	(E45)	GY/2	: Side turn signal lamp RH
D1	(E46)	GY/3	: Power antenna (For the Middle East)
E1	(E50)	—	: Fusible link and fuse box
D1	(E51)	L/4	: Cooling fan relay (For the Middle East)

D1	(E52)	L/4	: Air conditioner relay
E1	(E53)	W/3	: Horn relay
E1	(E54)	BR/6	: Park/Neutral position relay (With A/T)
E1	(E55)	BR/6	: ECM relay
D4	(E57)	-/3	: Headlamp aiming motor LH
			(4WD models for the Middle East)
A3	(E60)	-/3	: Headlamp aiming motor RH
			(4WD models for the Middle East)
C3	(E69)	BR/2	: Ambient temperature switch
D3	(E85)	GY/2	: Cooling fan motor (For the Middle East)

PASSENGER COMPARTMENT

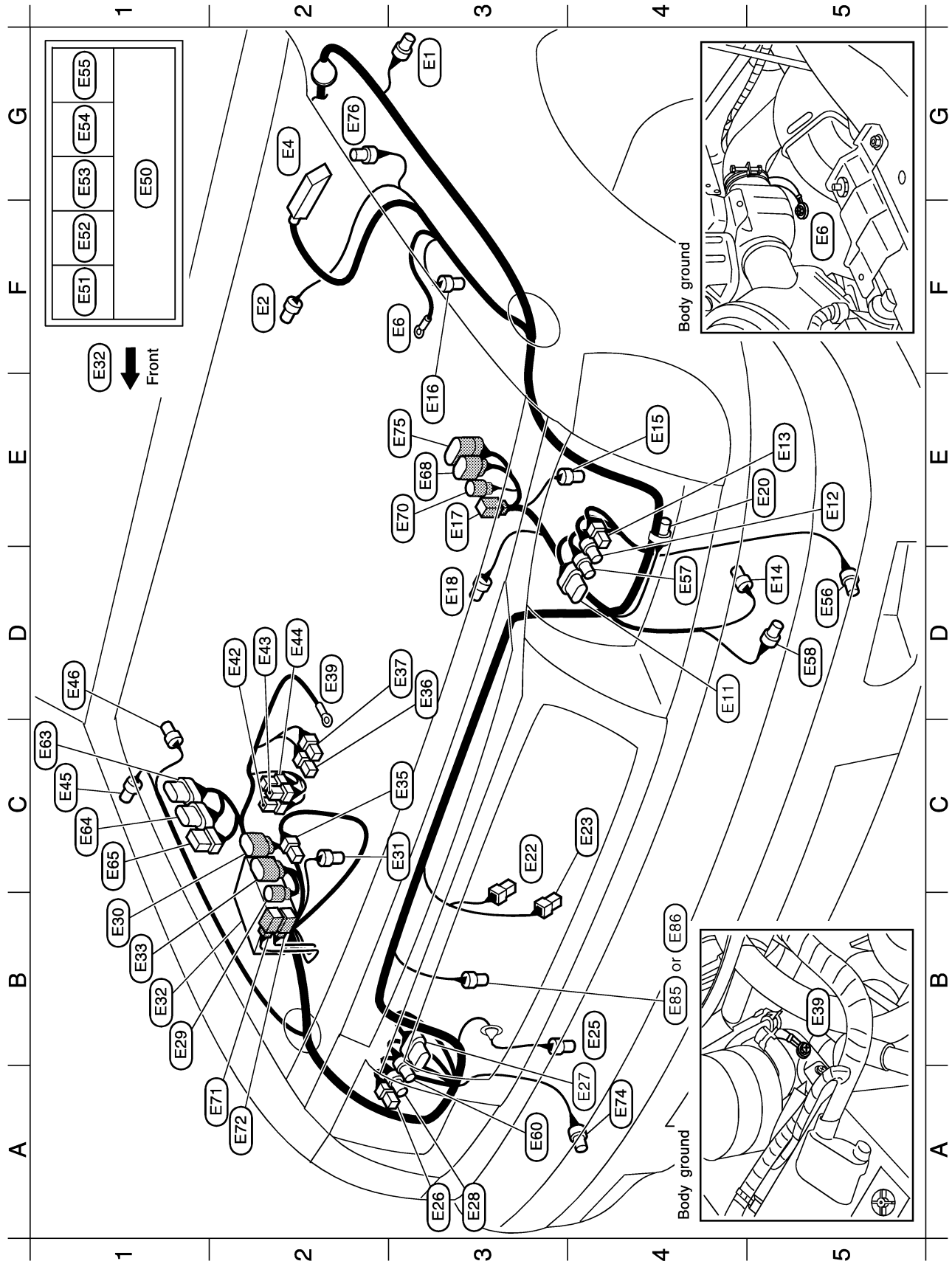


(E101)	SMJ	: To (M5)
(E103)	B/2	: Fuse block

# HARNESS LAYOUT

## Engine Room Harness (Cont'd)

LHD MODELS — DIESEL ENGINE



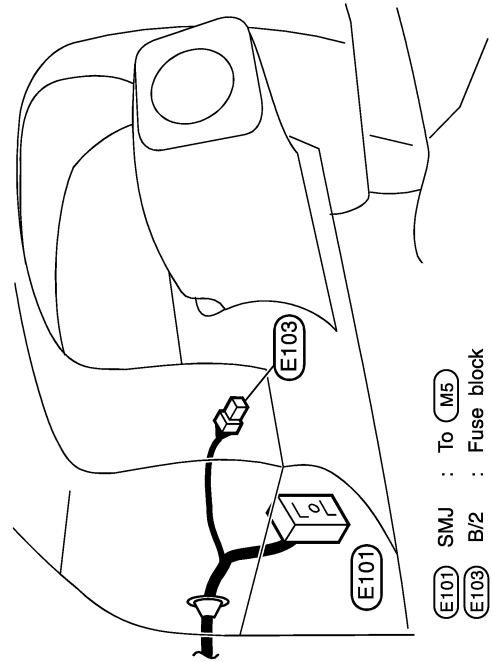
HEL184C

# HARNESS LAYOUT

## Engine Room Harness (Cont'd)

G1 (E55)	BR/6	: ECM relay (YD and ZD engines except for the Middle East)
	L/4	: ECM relay (YD engine for the Middle East)
	B/5	: ATP relay (With A/T)
D5 (E56)	B/2	: Front fog lamp LH
		(With YD and ZD engines except for the Middle East)
D4 (E57)	-/3	: Headlamp aiming motor LH (For Europe, 2WD models with smooth rear body and 4WD models for the Middle East)
D5 (E58)	GY/2	: Headlamp washer pump (For Europe)
A3 (E60)	-/3	: Headlamp aiming motor RH (For Europe, 2WD models with smooth rear body and 4WD models for the Middle East)
C1 (E63)	SB/6	: Daytime light unit (With daytime light system)
C1 (E64)	SB/8	: Daytime light unit (With daytime light system)
C1 (E65)	W/6	: Headlamp washer amplifier (For Europe)
E3 (E68)	GY/2	: To (A13) (TD and QD engines with M/T)
E3 (E70)	BR/3	: To (A14) (YD and ZD engines)
A2 (E71)	B/2	: To (E231) (YD and ZD engines)
A2 (E72)	B/2	: To (E232) (YD and ZD engines)
A4 (E74)	B/2	: Front fog lamp RH
		(With YD and ZD engines except for the Middle East)
E3 (E75)	GY/10	: To (A15) (With A/T)
G2 (E76)	GY/2	: Dropping resistor (With A/T)
B4 (E85)	GY/2	: Cooling fan motor
		(QD, YD and ZD engines except for the Middle East)
B4 (E86)	GY/4	: Cooling fan motor (For the Middle East)

### PASSENGER COMPARTMENT



(E101) SMJ : To (M5)  
(E103) B/2 : Fuse block

G3 (E1)	GY/2	: Side turn signal lamp LH
F2 (E2)	GY/2	: Brake fluid level switch (For Europe and the Middle East)
G2 (E4)	B/31	: ABS actuator and electric unit (For ABS)
F3 (E6)	—	: Body ground
D4 (E11)	GY/6	: Front combination lamp LH (2WD models with regular rear body for the Middle East)
E5 (E12)	GY/3	: Front combination lamp LH (Except 2WD models with regular rear body for the Middle East)
E5 (E13)	B/3	: Headlamp LH
D5 (E14)	GY/2	: Washer pump
E4 (E15)	BR/2	: Front wheel sensor LH (For ABS)
E3 (E16)	GY/2	: Intake air temperature sensor (YD and ZD engines)
E3 (E17)	B/2	: To (A2)
D3 (E18)	GY/2	: Thermoswitch (QD engines)
E5 (E20)	GY/2	: Option connector (For hood switch) (For Europe)
C3 (E22)	B/1	: Horn low
C4 (E23)	B/1	: Horn high
B4 (E25)	GY/4	: Triple-pressure switch
A3 (E26)	B/3	: Headlamp RH
A4 (E27)	GY/6	: Front combination lamp RH (2WD models with regular rear body for the Middle East)
A3 (E28)	GY/3	: Front combination lamp RH (Except 2WD models with regular rear body for the Middle East)
B1 (E29)	GY/2	: To (E204)
B1 (E30)	GY/8	: To (E203) (YD and ZD engines or with A/T)
C3 (E31)	GY/2	: Front wheel sensor RH (For ABS)
B1 (E32)	—	: Relay box (Fusible link and fuse box)
B1 (E33)	SB/8	: To (E205)
C3 (E35)	B/1	: To (E206) (TD and QD engines)
D3 (E36)	B/1	: IACV-FICD solenoid valve (TD and QD engines)
D3 (E37)	B/1	: IACV-FICD solenoid valve (TD and QD engines)
D2 (E39)	—	: Body ground
D2 (E42)	W/1	: Glow relay-1 (YD and ZD engines)
D2 (E43)	W/1	: Glow relay-1 (YD and ZD engines)
D2 (E44)	G/2	: Glow relay-1 (YD and ZD engines)
C1 (E45)	GY/2	: Side turn signal lamp RH
D1 (E46)	GY/3	: Power antenna (YD engine)
G1 (E50)	—	: Fusible link and fuse box
F1 (E51)	L/4	: Cooling fan relay (QD, YD and ZD engines)
F1 (E52)	L/4	: Air conditioner relay
G1 (E53)	W/3	: Horn relay
G1 (E54)	L/4	: Park/Neutral position (PNP) relay (With A/T)

EL

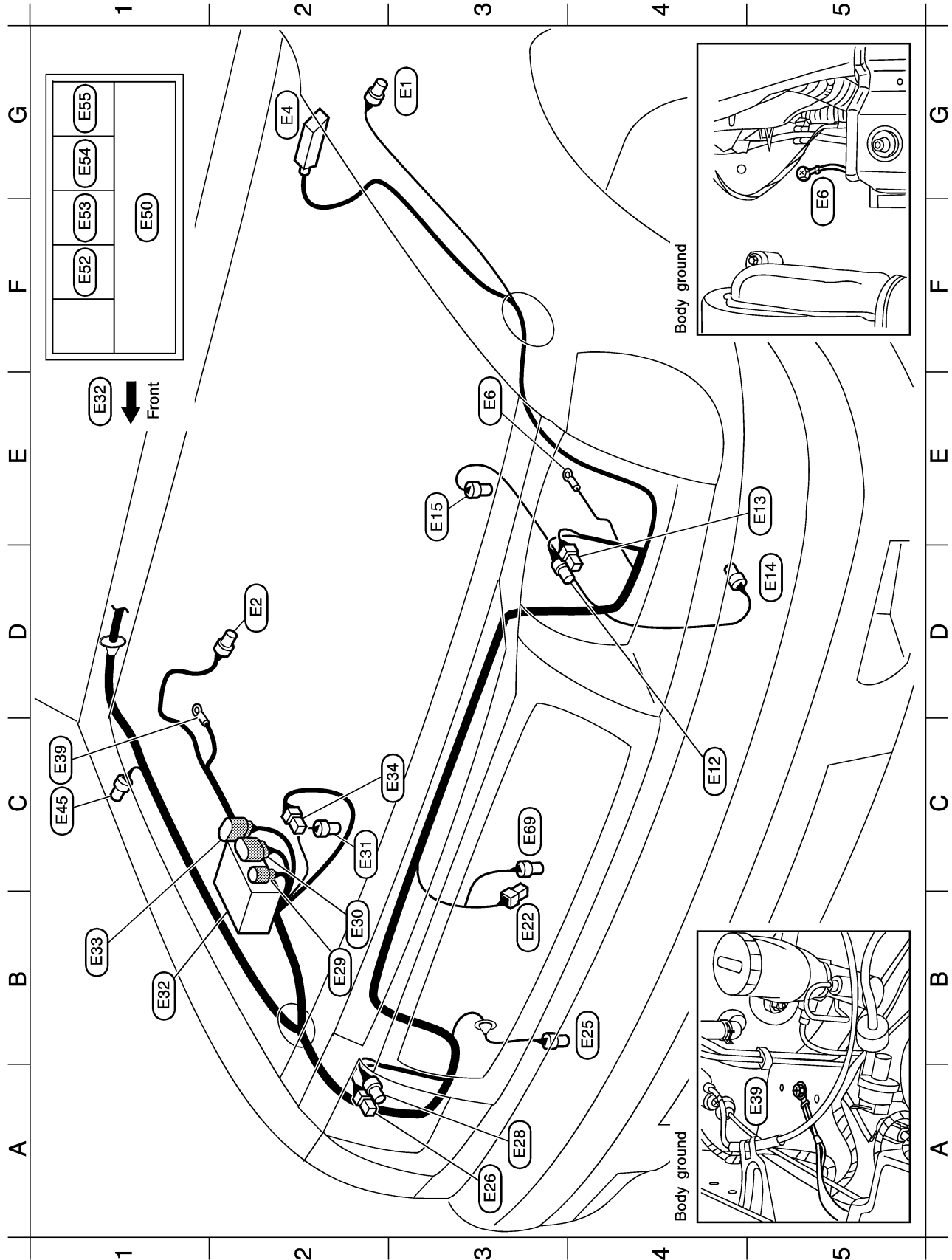
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# HARNESS LAYOUT

## Engine Room Harness (Cont'd)

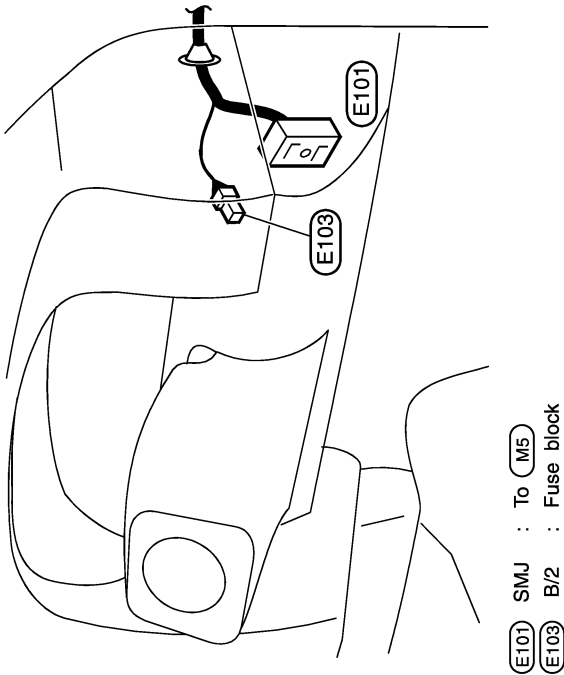
RHD MODELS — GASOLINE ENGINE



HEL186C

HARNESS LAYOUT  
Engine Room Harness (Cont'd)

PASSENGER COMPARTMENT



G3	E1	GY/2	: Side turn signal lamp LH
D2	E2	GY/2	: Brake fluid level switch
G2	E4	B/31	: ABS actuator and electric unit (For ABS)
E3	E6	—	: Body ground
C4	E12	GY/3	: Front combination lamp LH
E5	E13	B/3	: Headlamp LH
D5	E14	GY/2	: Washer pump
E3	E15	BR/2	: Front wheel sensor LH (For ABS)
B3	E22	B/1	: Horn low
B4	E25	GY/4	: Triple-pressure switch
A3	E26	B/3	: Headlamp RH
A3	E28	GY/3	: Front combination lamp RH
B2	E29	GY/2	: To E204
B2	E30	GY/8	: To E203
C2	E31	GY/2	: Front wheel sensor RH (For ABS)
B1	E32	—	: Relay box (Fusible link and fuse box)
B1	E33	SB/8	: To E205
C3	E34	B/1	: Battery
C1	E39	—	: Body ground
C1	E45	GY/2	: Side turn signal lamp RH
F1	E50	—	: Fusible link and fuse box
F1	E52	L/4	: Air conditioner relay
F1	E53	W/3	: Horn relay
G1	E55	BR/6	: ECM relay
C3	E69	BR/2	: Ambient temperature switch

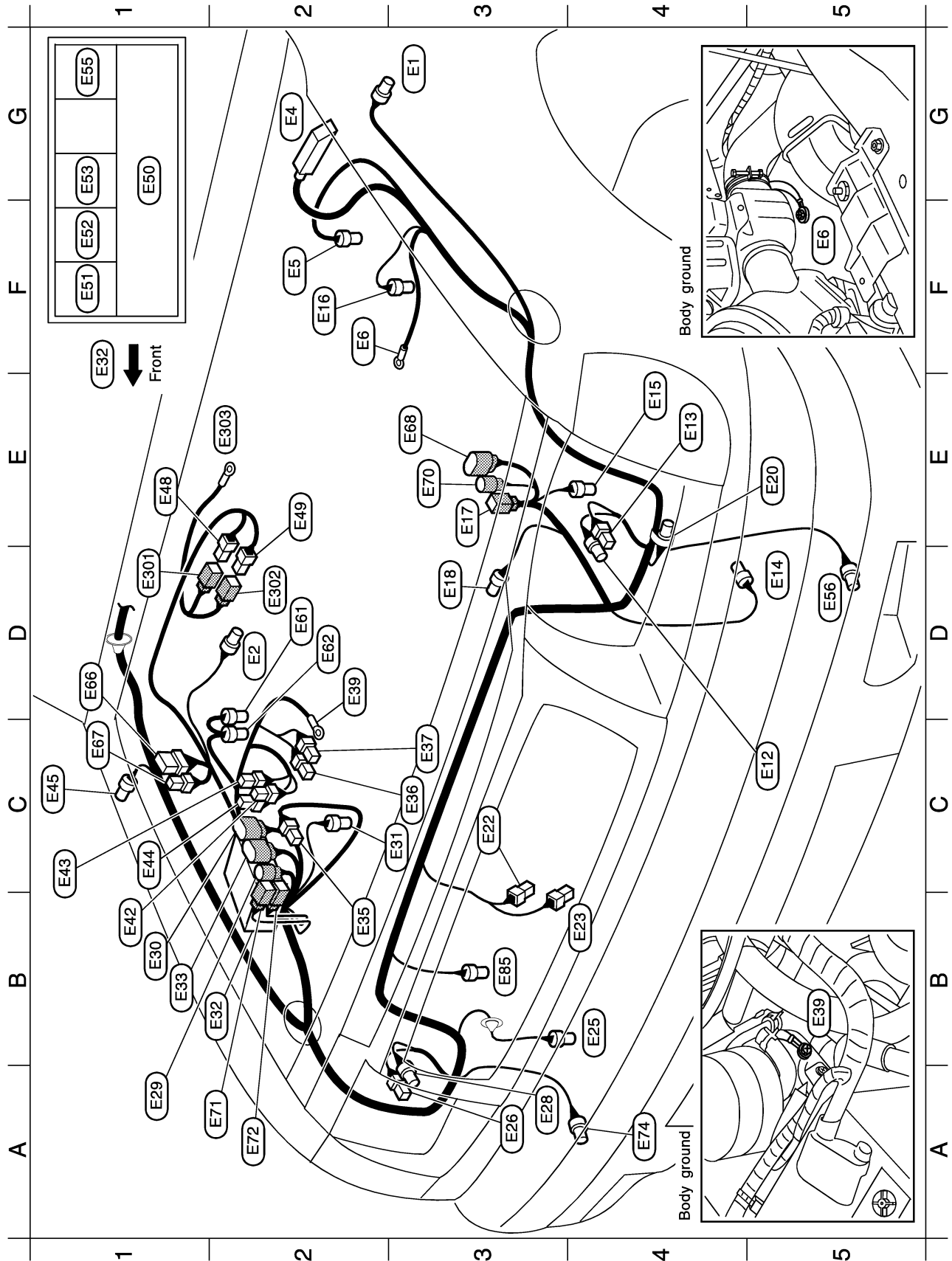
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EL

# HARNESS LAYOUT

## Engine Room Harness (Cont'd)

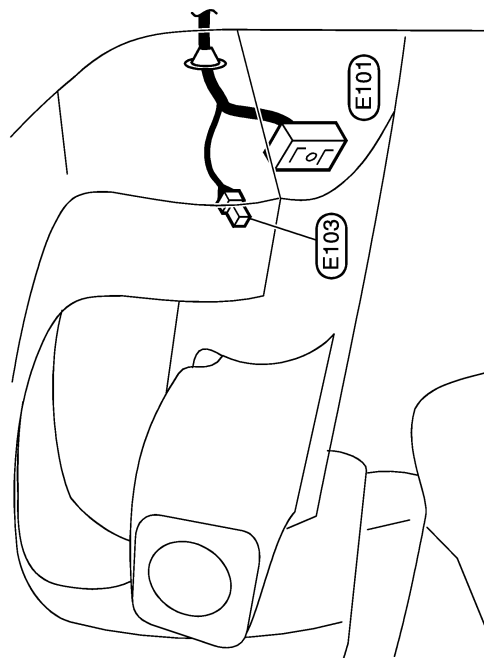
RHD MODELS — DIESEL ENGINE



HEL188C

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BT  
HA  
EL

## IDX



(E101) SMJ : To (M5)  
 (E103) B/2 : Fuse block

## Sub-harness

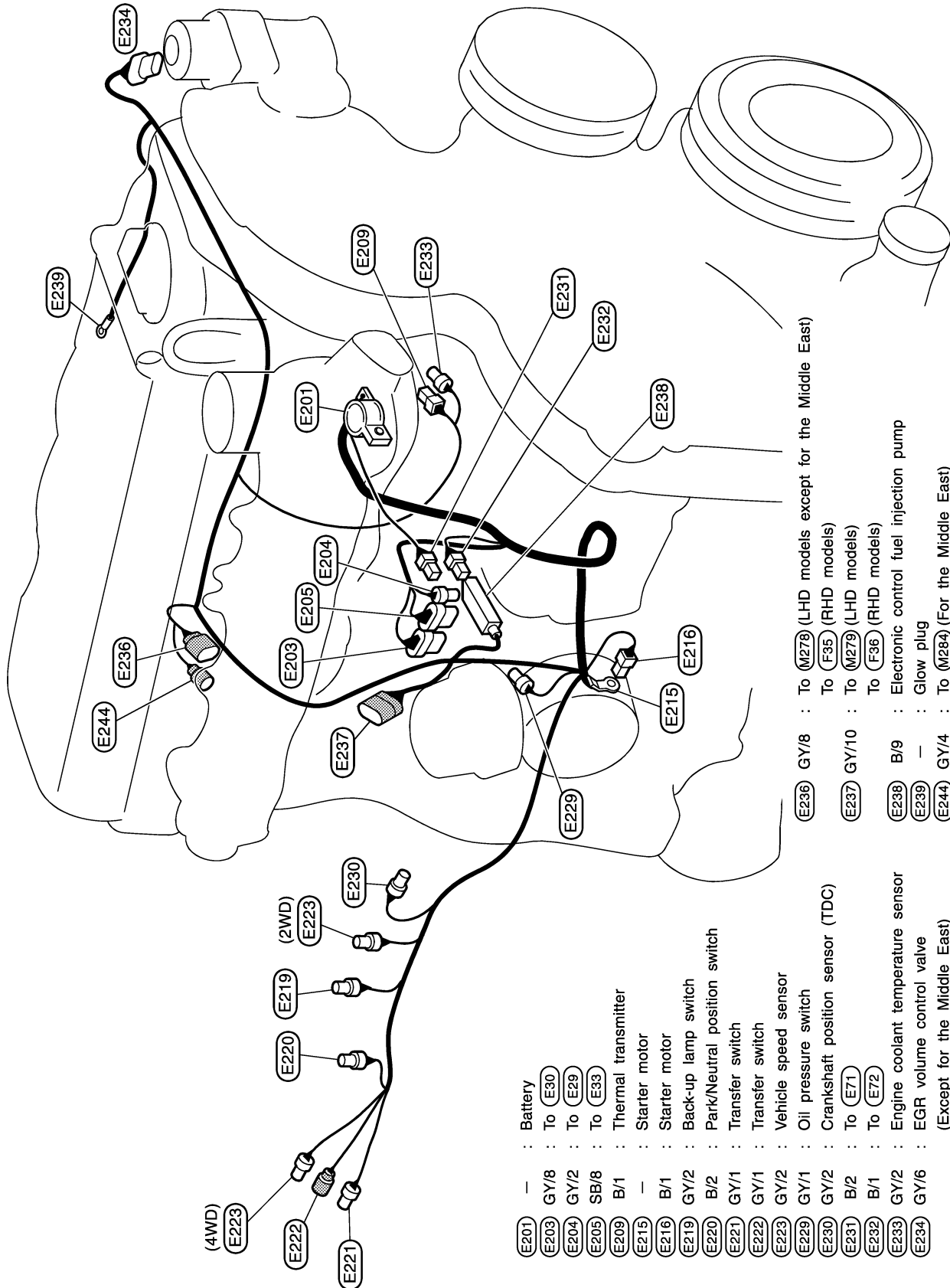
D1	(E301)	B/1	:	To (E48) (QD engine)
D2	(E302)	L/2	:	To (E49) (TD engine)
E2	(E303)	—	:	Glow plug (TD and QD engines)

D2	E61	B/2	: EGRC-solenoid valve (Throttle chamber)
			(TD engine with EGR)
D2	E62	BR/2	: EGRC-solenoid valve (EGR valve)
			(TD engine with EGR)
D1	E66	GY/6	: Dim-dip lamp unit (For Europe)
C1	E67	GY/4	: Dim-dip lamp unit (For Europe)
E3	E68	GY/8	: To A13 (TD and QD engines)
E3	E70	BR/3	: To A14 (YD and ZD engines)
A2	E71	B/2	: To E231 (YD and ZD engines)
A2	E72	B/1	: To E232 (YD and ZD engines)
A4	E74	B/2	: Front fog lamp RH (ZD engine)
B3	E85	GY/2	: Cooling fan motor (Except TD engine)

G3 (E1)	GY/2	: Side turn signal lamp LH
D2 (E2)	GY/2	: Brake fluid level switch
G2 (E4)	B/31	: ABS actuator and electric unit (For ABS)
F2 (E5)	BR/2	: Fuel filter switch
F2 (E6)	—	: Body ground
C5 (E12)	GY/3	: Front combination lamp LH
E4 (E13)	B/3	: Headlamp LH
D5 (E14)	GY/2	: Washer motor
E4 (E15)	BR/2	: Front wheel sensor LH (For ABS)
F2 (E16)	GY/2	: Intake air temperature sensor (YD and ZD engines)
E3 (E17)	B/2	: To (A2)
D3 (E18)	GY/2	: Thermoswitch (QD engine)
E5 (E20)	GY/2	: Option connector (For hood switch) (For Europe)
C3 (E22)	B/1	: Horn low
B4 (E23)	B/1	: Horn high (ZD engine except for Australia, QD engine without ABS and YD engine)
B4 (E25)	GY/4	: Triple-pressure switch
A3 (E26)	B/3	: Headlamp RH
A3 (E28)	GY/3	: Front combination lamp RH
A1 (E29)	GY/2	: To (E204)
B1 (E30)	GY/8	: To (E203) (With ECM control engine)
C3 (E31)	GY/2	: Front wheel sensor RH (For ABS)
B2 (E32)	—	: Relay box (Fusible link and fuse box)
B1 (E33)	SB/8	: To (E205)
B2 (E35)	B/1	: To (E206) (TD and QD engines)
C3 (E36)	B/1	: IACV-FICD solenoid valve (TD and QD engines)
C3 (E37)	B/1	: IACV-FICD solenoid valve (TD and QD engines)
D2 (E39)	—	: Body ground
B1 (E42)	W/1	: Glow relay-1
C1 (E43)	W/1	: Glow relay-1
C1 (E44)	G/2	: Glow relay-1
C1 (E45)	GY/2	: Side turn signal lamp RH
E1 (E48)	B/1	: To (E301) (QD engine)
E2 (E49)	L/2	: To (E302) (TD engine)
G1 (E50)	—	: Fusible link and fuse box
F1 (E51)	L/4	: Cooling fan relay (Except TD engine)
F1 (E52)	L/4	: Air conditioner relay
G1 (E53)	W/3	: Horn relay
G1 (E55)	BR/6	: ECM relay (YD and ZD engines)
D5 (E56)	B/2	: Front fog lamp LH (ZD engine)

## Engine Harness

### YD ENGINE





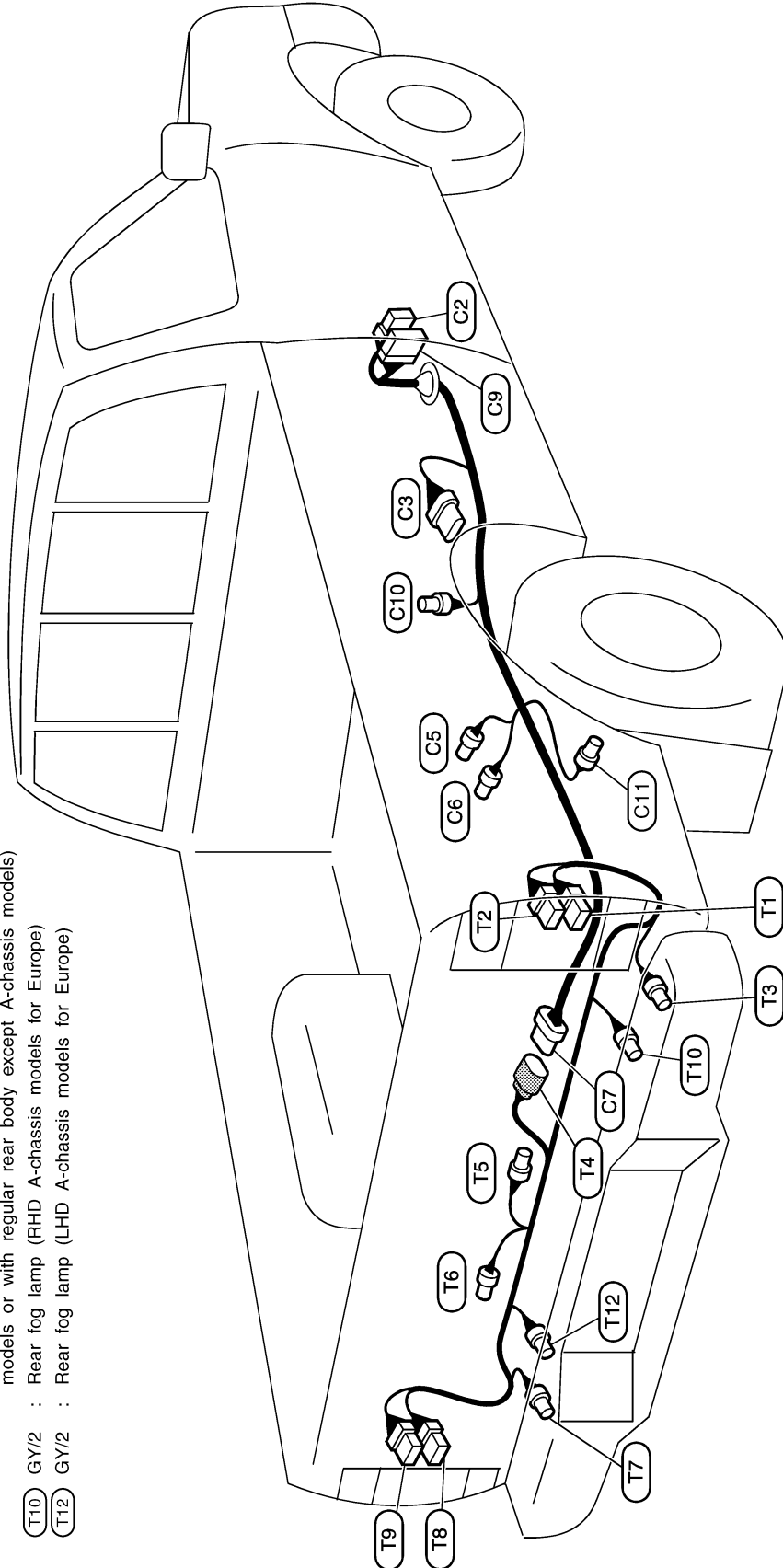
## Chassis Harness and Tail Harness

### Tail harness

- T1** : Rear combination lamp RH (A-chassis models or with smooth rear body except for Europe and Australia)
- T2** : Rear combination lamp RH (For Europe and Australia except A-chassis models or with regular rear body except A-chassis models)
- T3** : License plate lamp RH (With step bumper)
- T4** : To **C7**
- T5** : License plate lamp RH (Without step bumper)
- T6** : License plate lamp LH (Without step bumper)
- T7** : License plate lamp LH (With step bumper)
- T8** : Rear combination lamp LH (A-chassis models or with smooth rear body except for Europe and Australia)
- T9** : Rear combination lamp LH (For Europe and Australia except A-chassis models or with regular rear body except A-chassis models)
- T10** : Rear fog lamp (RHD A-chassis models for Europe)
- T12** : Rear fog lamp (LHD A-chassis models for Europe)

### Chassis harness

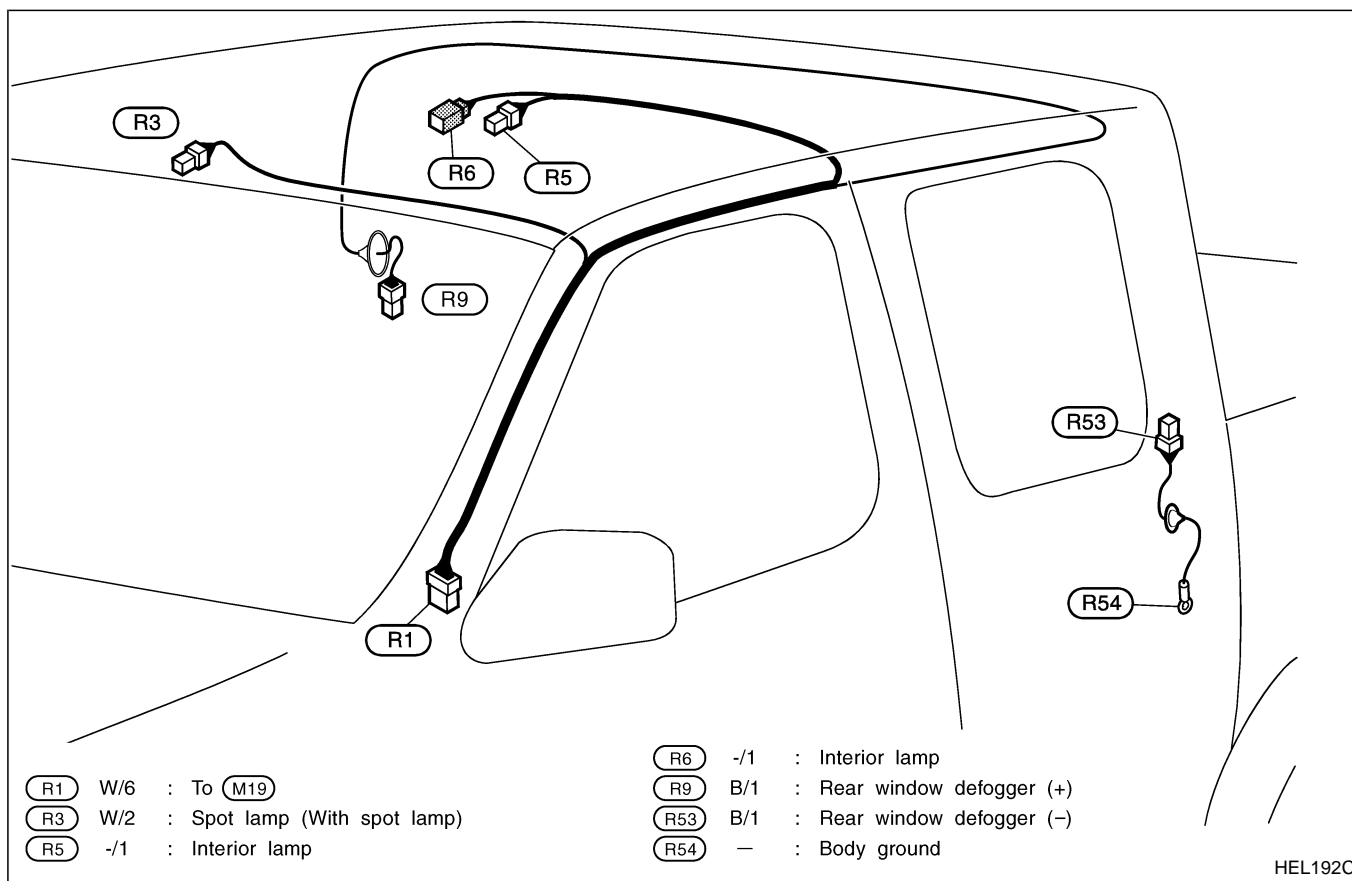
- C2** : W/6 : To **M112** (With ABS)
- C3** : GY/5 : Fuel level sensor unit and fuel pump
- C5** : SB/4 : To rear wheel sensor sub-harness (For ABS)
- C6** : GY/2 : (4WD models and 2WD models with LT30 rear brake)
- C7** : GY/2 : Rear wheel sensor (For ABS)
- C9** : SB/8 : (2WD models with LT26B rear brake)
- C10** : SB/8 : To **T4**
- C11** : W/16 : To **M121**
- C10** : BR/2 : High-mounted stop lamp (With guard bar)
- C11** : GY/2 : Fuel lid opener actuator (For the Middle East)



# HARNESS LAYOUT

## Room Lamp Harness/LHD Models

### DOUBLE CAB

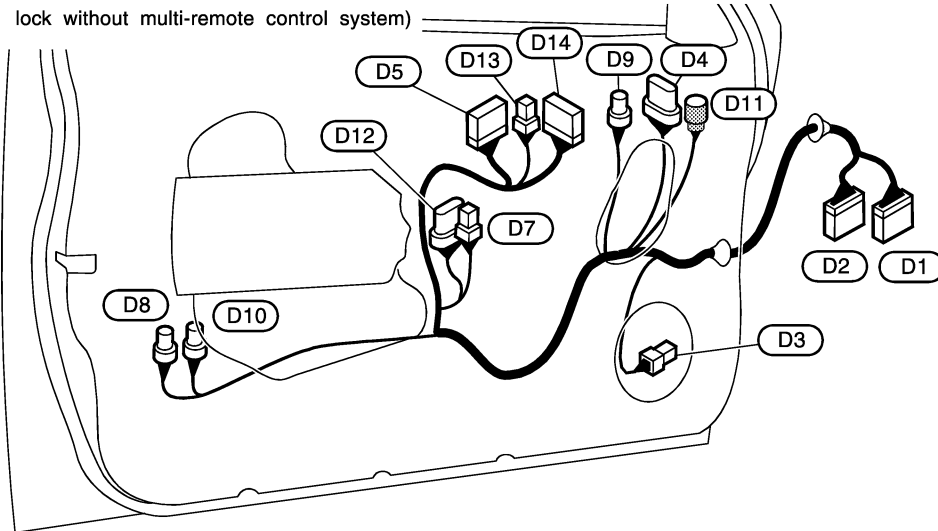


# HARNESS LAYOUT

## Front Door Harness (LH side)

### LHD MODELS

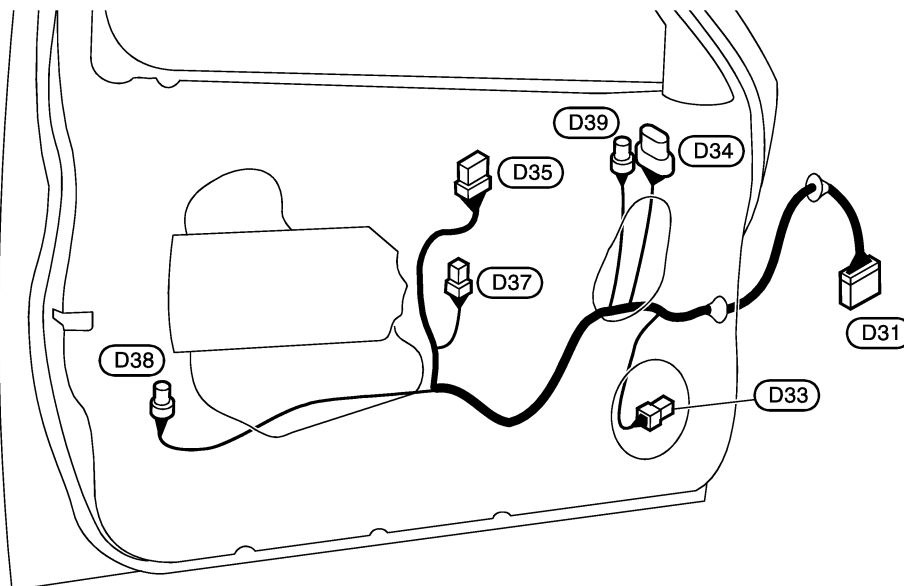
- |   |   |
|---|---|
| (D1) W/16 : To (M3)   | (D9) BR/3 : Door mirror defogger (With power window for Europe)                               |
| (D2) W/12 : To (M4) (With power window)   | (D10) SB/4 : Door lock actuator (With multi-remote control system)                            |
| (D3) BR/2 : Front speaker   | (D11) GY/3 : Door mirror actuator (With door mounted power door mirror)                       |
| (D4) GY/5 : Door mirror actuator (With sail mounted power door mirror)                    | (D12) SB/6 : Power window motor (With power window with interruption detection function)      |
| (D5) W/16 : Power window main switch  | (D13) W/3 : Power window main switch (With power window with interruption detection function) |
| (D7) B/2 : Power window motor (With power window without interruption detection function) | (D14) W/10 : Door mirror remote control switch (With power window)                            |
| (D8) GY/2 : Lock knob switch (With power door lock without multi-remote control system)   |   |



HEL193C

### RHD MODELS

- |   |
|---|
| (D31) W/10 : To (M49)   |
| (D33) BR/2 : Front speaker  |
| (D34) GY/5 : Door mirror actuator (With power door mirror)            |
| (D35) W/8 : Power window sub-switch (With power window)               |
| (D37) B/2 : Power window motor (With power window)                    |
| (D38) SB/4 : Door lock actuator (With power door lock)                |
| (D39) BR/3 : Door mirror defogger (With power door mirror for Europe) |



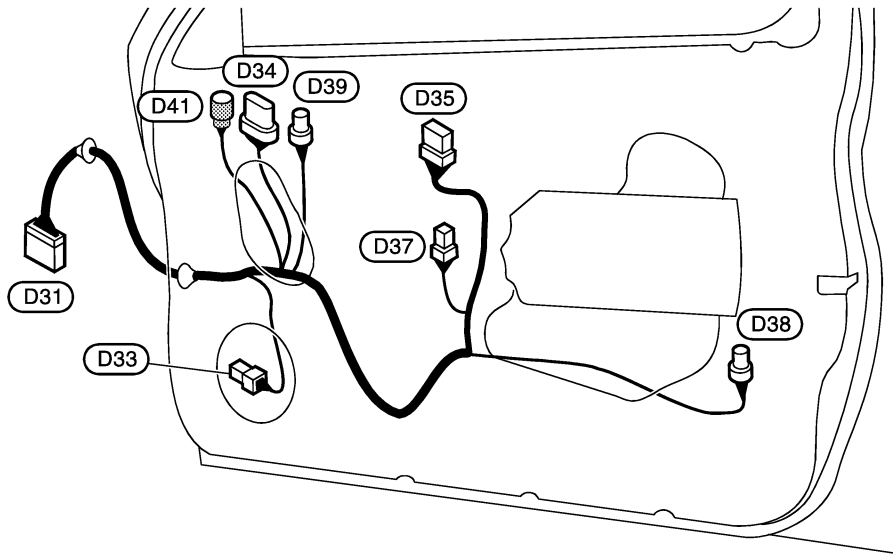
HEL194C

# HARNESS LAYOUT

## Front Door Harness (RH side)

### LHD MODELS

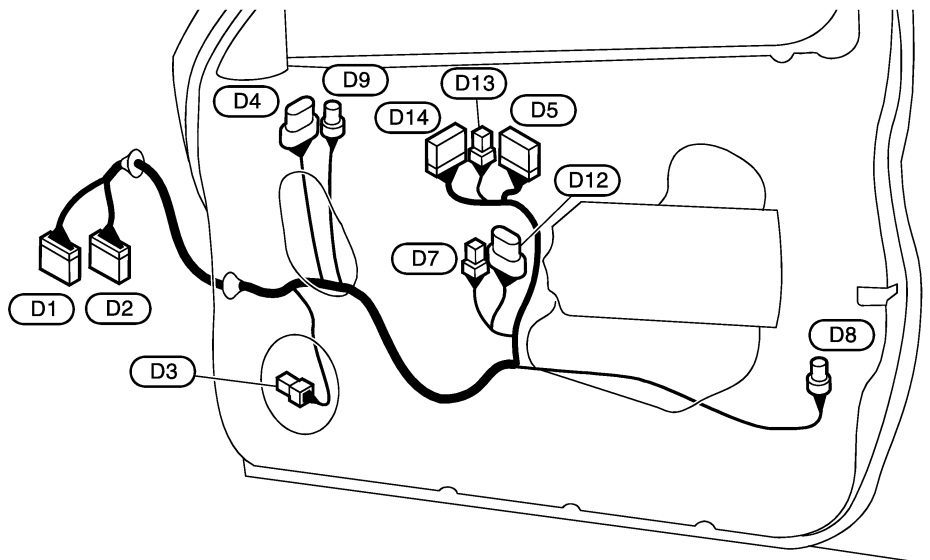
- (D31) W/10 : To (M49)
- (D33) BR/2 : Front speaker
- (D34) GY/5 : Door mirror actuator (With sail mounted power door mirror)
- (D35) W/8 : Power window sub-switch (With power window)
- (D37) B/2 : Power window motor (With power window)
- (D38) SB/4 : Door lock actuator (With power door lock)
- (D39) BR/3 : Door mirror defogger (With power door mirror for Europe)
- (D41) BR/3 : Door mirror actuator (With door mounted power door mirror)



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### RHD MODELS

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>(D1) W/16 : To (M3)</li> <li>(D2) W/12 : To (M4) (With power window)</li> <li>(D3) BR/2 : Front speaker</li> <li>(D4) GY/5 : Door mirror actuator (With power window)</li> <li>(D5) W/16 : Power window main switch</li> <li>(D7) B/2 : Power window motor (With power window except for Europe)</li> <li>(D8) GY/2 : Lock knob switch (With power door lock)</li> </ul> | <ul style="list-style-type: none"> <li>(D9) BR/3 : Door mirror defogger (With power window for Europe)</li> <li>(D12) SB/6 : Power window motor (With power window for Europe)</li> <li>(D13) W/3 : Power window main switch (With power window for Europe)</li> <li>(D14) W/10 : Door mirror remote control switch (With power window)</li> </ul> |
|---|--|



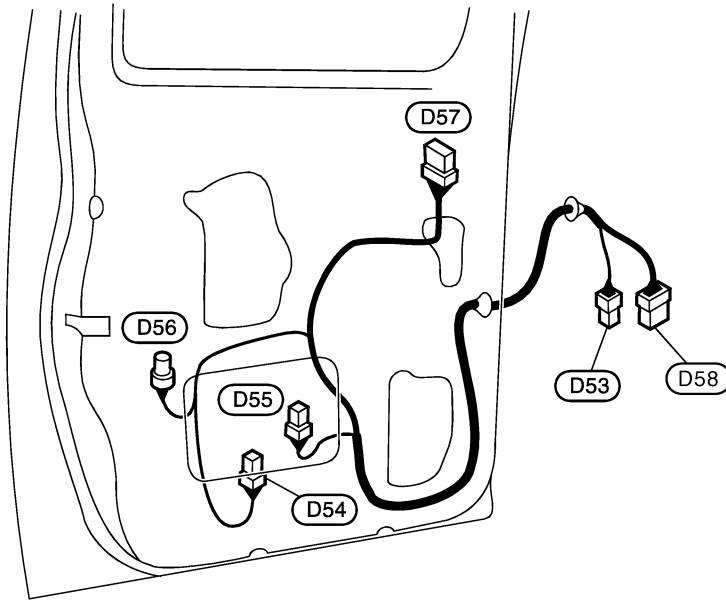
HEL196C

# HARNESS LAYOUT

## Rear Door Harness

### LH SIDE

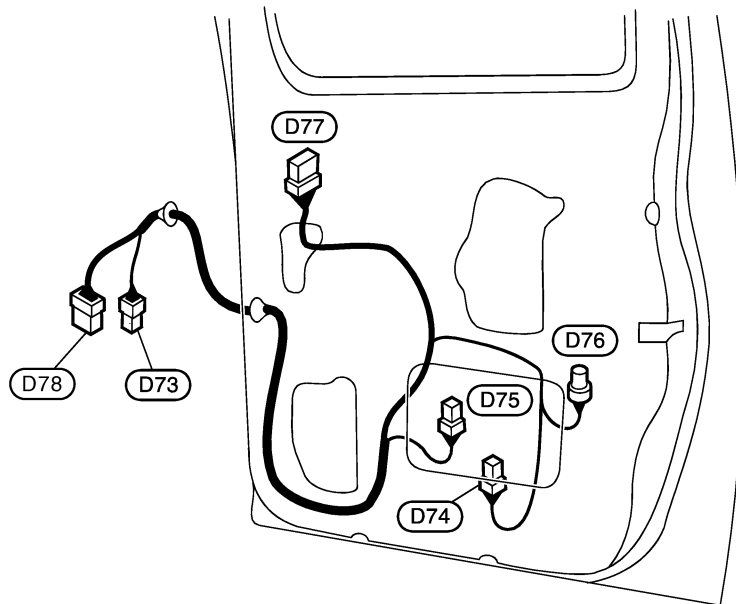
- (D53) BR/2 : To (M105)
- (D54) B/2 : Rear speaker
- (D55) B/2 : Power window motor
- (D56) SB/4 : Door lock actuator
- (D57) W/8 : Power window sub-switch
- (D58) W/6 : To (M130)



HEL197C

### RH SIDE

- (D73) BR/2 : To (M113)
- (D74) B/2 : Rear speaker
- (D75) B/2 : Power window motor
- (D76) SB/4 : Door lock actuator
- (D77) W/8 : Power window sub-switch
- (D78) W/6 : To (M131)



HEL198C