

# SECTION **GW**

## GLASSES, WINDOW SYSTEM & MIRRORS

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# PRECAUTIONS

## PRECAUTIONS

PFP:00001

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

EIS005JN

The Supplemental Restraint System such as “AIR BAG” and “SEAT BELT PRE-TENSIONER”, used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. Information necessary to service the system safely is included in the SRS and SB section of this Service Manual.

#### **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 must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the SRS section.
- 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 and/or orange harnesses or harness connectors.

### Precautions

EIS005JO

- When removing or disassembling any part, be careful not to damage or deform it. Protect parts, which may get in the way with cloth.
- When removing parts with a screwdriver or other tool, protect parts by wrapping them with vinyl or tape.
- Keep removed parts protected with cloth.
- If a clip is deformed or damaged, replace it.
- If an un reusable part is removed, replace it with a new one.
- Tighten bolts and nuts firmly to the specified torque.
- After re-assembly has been completed, make sure each part functions correctly.
- Remove stains in the following way.

Water-soluble stains:

Dip a soft cloth in warm water, and then squeeze it tightly. After wiping the stain, wipe with a soft dry cloth.

Oil stain:

Dissolve a synthetic detergent in warm water (density of 2 to 3% or less), dip the cloth, then clean off the stain with the cloth. Next, dip the cloth in fresh water and squeeze it tightly. Then clean off the detergent completely. Then wipe the area with a soft dry cloth.

- Do not use any organic solvent, such as thinner or benzene.



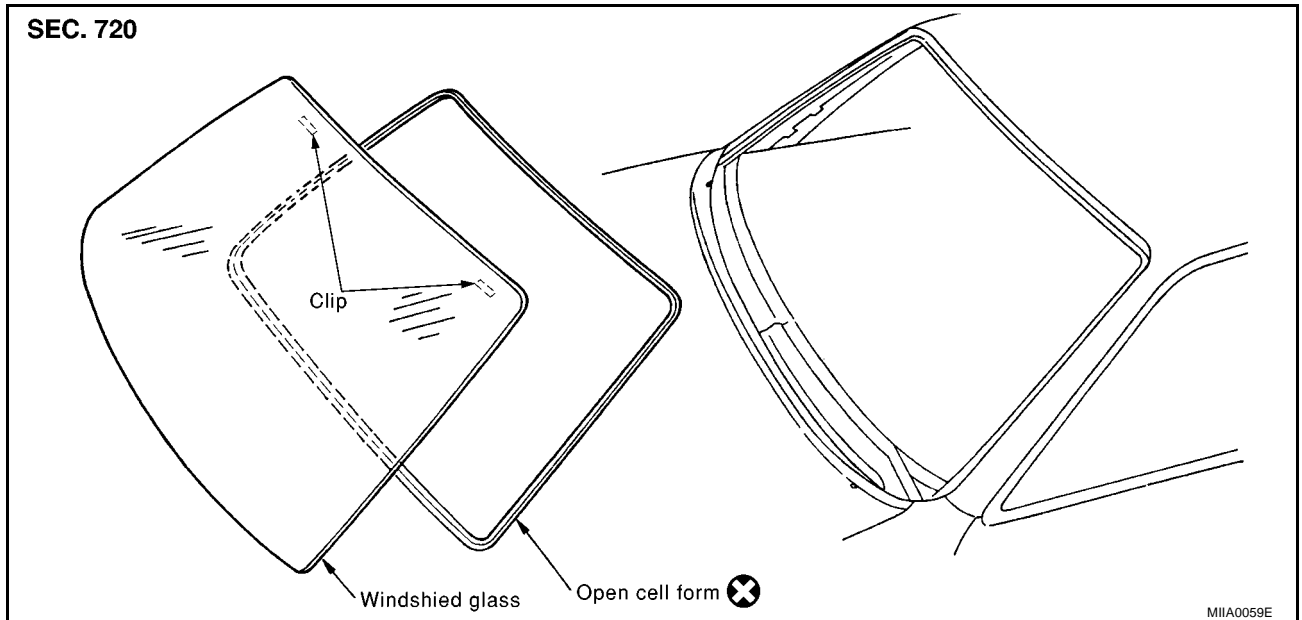
# WINDSHIELD GLASS AND MOLDING

## WINDSHIELD GLASS AND MOLDING

PFP:72700

### Removal and Installation

EIS005JP



### REMOVAL

1. Remove the front pillar garnish and headlining. Refer to EI section in P12 ESM (SM2E00-1P12E0E).
2. Remove the cowl top cover. Refer to EI section in P12 ESM (SM2E00-1P12E0E).
3. Apply a protective tape around the windshield glass to protect the painted surface from damage.

After removing moldings, remove glass using piano wire or power cutting tool and an inflatable pump bag.

- If a windshield glass is reversed, mark the body and the glass with mating marks.

### WARNING:

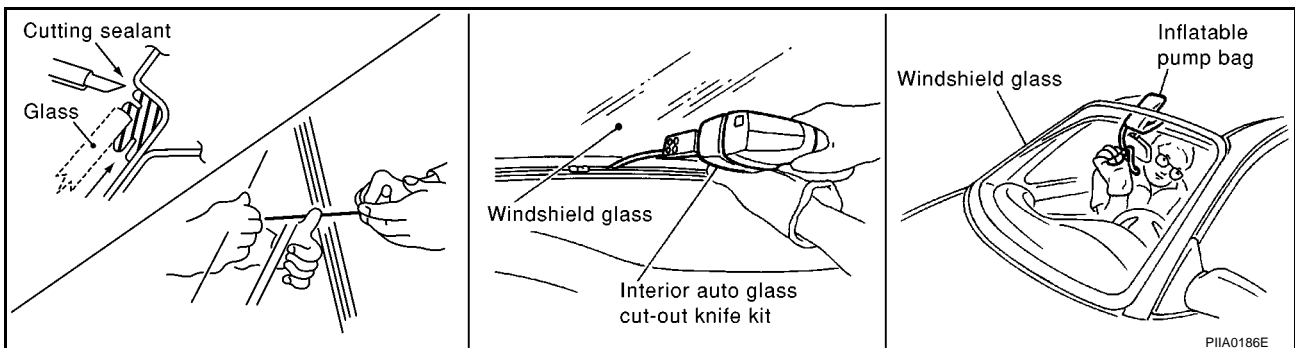
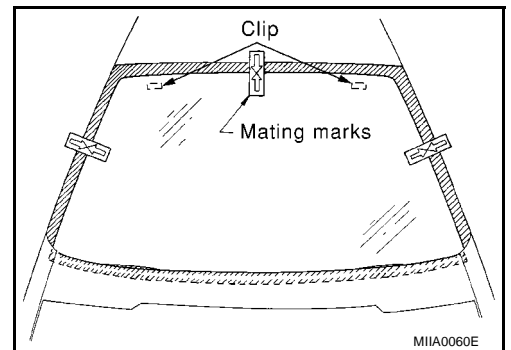
When cutting the glass from the vehicle, always wear safety glasses and heavy gloves to help prevent glass splinters from entering your eyes or cutting your hands.

### CAUTION:

When a windshield glass is reused, do not use a cutting knife or power cutting tool.

### NOTE:

- Be careful not to scratch the glass when removing.
- Do not set or stand the glass on its edge. Small chips may develop into cracks.





# WINDSHIELD GLASS AND MOLDING

## INSTALLATION

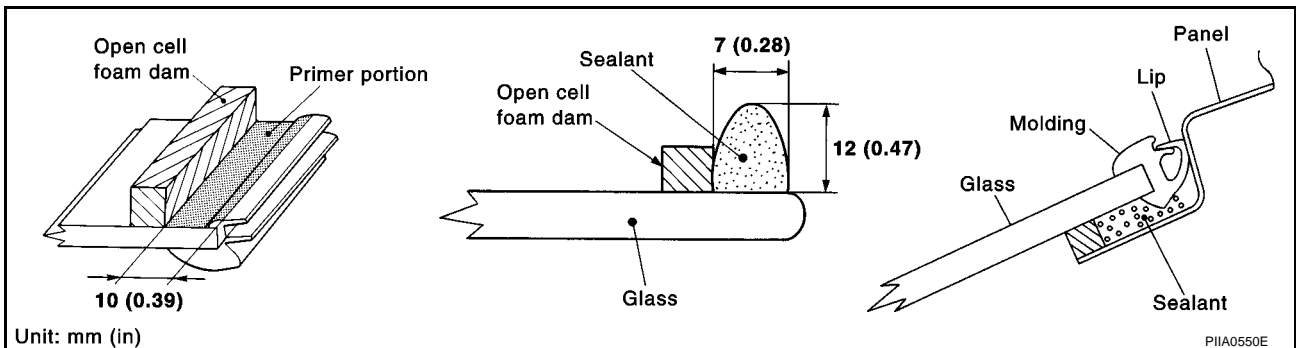
- Use a genuine Nissan Urethane Adhesive Kit or equivalent and follow the instructions furnished with it.
- While the urethane adhesive is curing, open a door window. This will prevent the glass from being forced out by passenger compartment air pressure when a door is closed.
- The molding must be installed securely so that it is in position and leaves no gap.
- Inform the customer that the vehicle should remain stationary until the urethane adhesive has completely cured (preferably 24 hours). Curing time varies with temperature and humidity.

### WARNING:

- Keep heat and open flames away as primers and adhesive are flammable.
- The materials contained in the kit are harmful if swallowed, and may irritate skin and eyes. Avoid contact with the skin and eyes.
- Use in an open, well ventilated location. Avoid breathing the vapors. They can be harmful if inhaled. If affected by vapor inhalation, immediately move to an area with fresh air.
- Driving the vehicle before the urethane adhesive has completely cured may affect the performance of the windshield in case of an accident.

### CAUTION:

- Do not use an adhesive which is past its usable term. Shelf life of this product is limited to six months after the date of manufacture. Carefully adhere to the expiration or manufacture date printed on the box.
- Keep primers and adhesive in a cool, dry place. Ideally, they should be stored in a refrigerator.
- Do not leave primers or adhesive cartridge unattended with their caps open or off.
- The vehicle should not be driven for at least 24 hours or until the urethane adhesive has completely cured. Curing time varies depending on temperature and humidities. The curing time will increase under higher temperatures and lower humidities.



## Repairing Water Leaks for Windshield

Leaks can be repaired without removing and reinstalling glass.

If water is leaking between the urethane adhesive material and body or glass, determine the extent of leakage. This can be done by applying water to the windshield area while pushing glass outward.

To stop the leak, apply primer (if necessary) and then urethane adhesive to the leak point.



# SIDE WINDOW GLASS

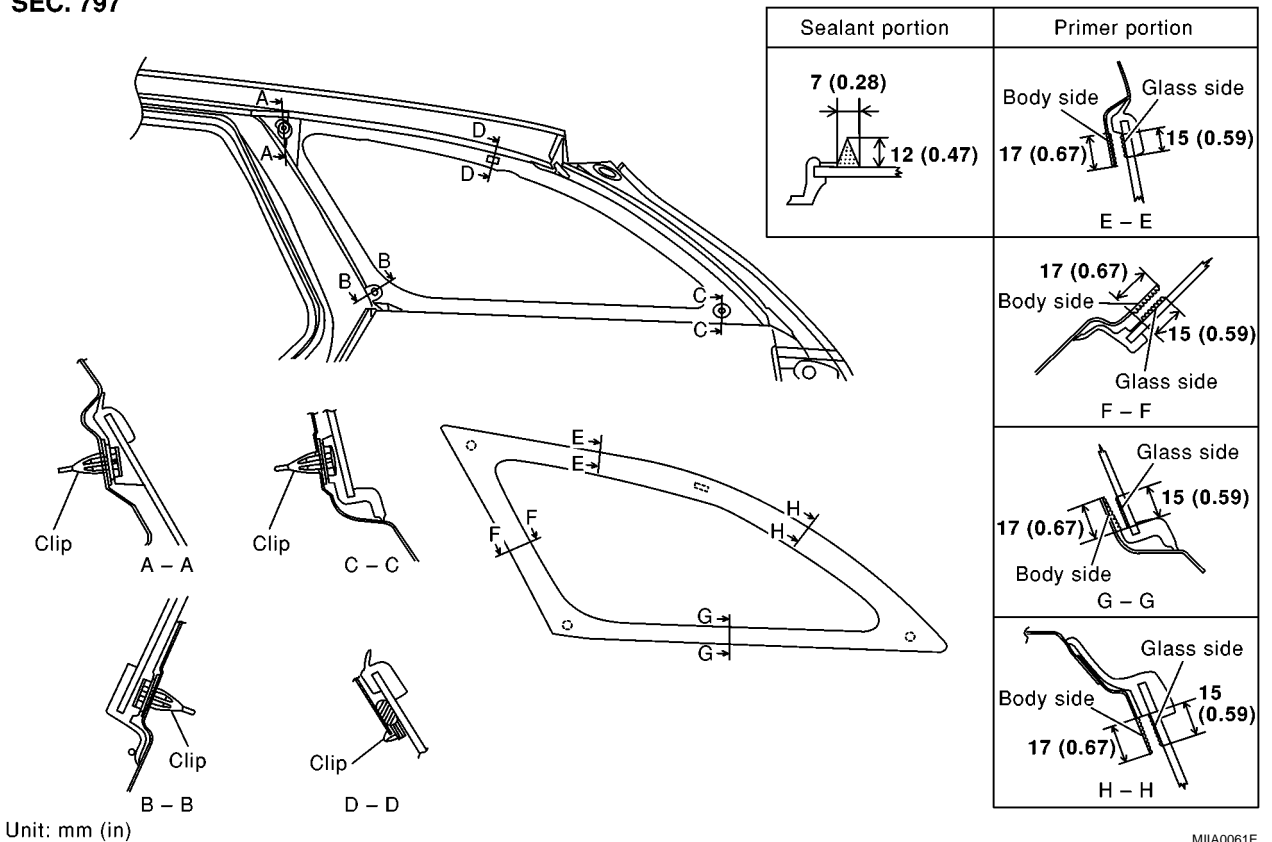
## SIDE WINDOW GLASS

PFP:83300

## Removal and Installation

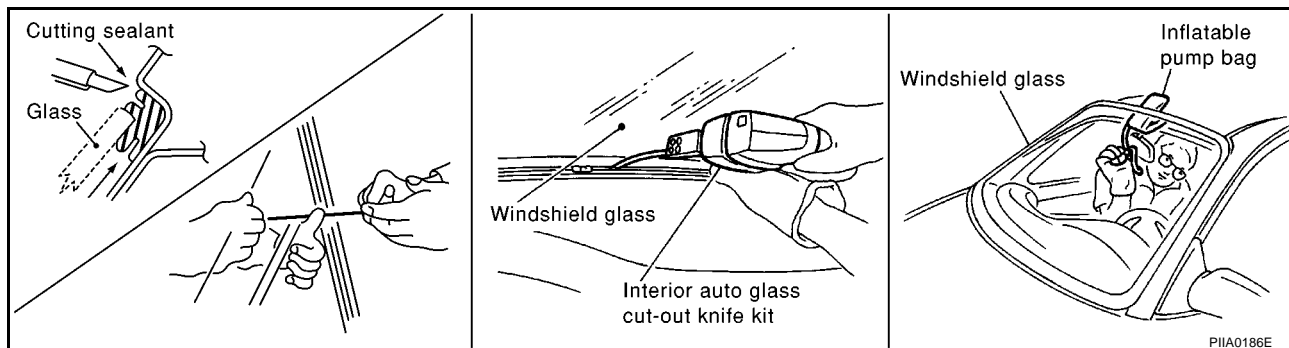
EIS005JQ

SEC. 797



## REMOVAL

1. Remove luggage side upper finisher. Refer to EI section in P12 ESM (SM2E00-1P12E0E).
2. Remove printed antenna connector.
3. Apply protective tape on body panels around side window glass to protect painted surfaces from damage.
4. While removing the clips, remove glass from the vehicle.

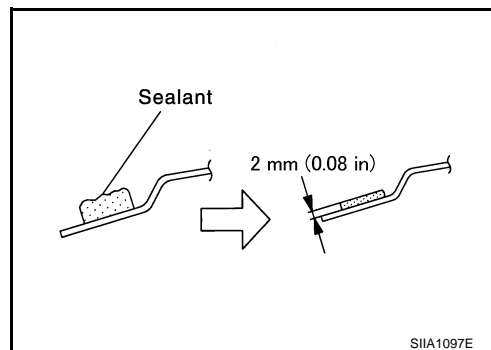




## SIDE WINDOW GLASS

### INSTALLATION

1. With a knife, scrape off remaining adhesive left around on the side of vehicle body to as thin and flat as 2 mm (0.08 in).



2. Apply primers.
3. Apply primer on areas where adhesive contacts on the side of vehicle body.
4. After applying primer, apply adhesive along glass edge.
5. Press entire surface of glass lightly to fit it completely.
6. Using a spatula, repair any adhesive overflow or shortage to make the surface smooth.

#### NOTE:

After installing glass, open the door windows until adhesive has had enough time to cure properly. Do not drive the vehicle during this period.

7. Check that there is no leak from the outside.
8. Remove protective tape.
9. Install removed parts.

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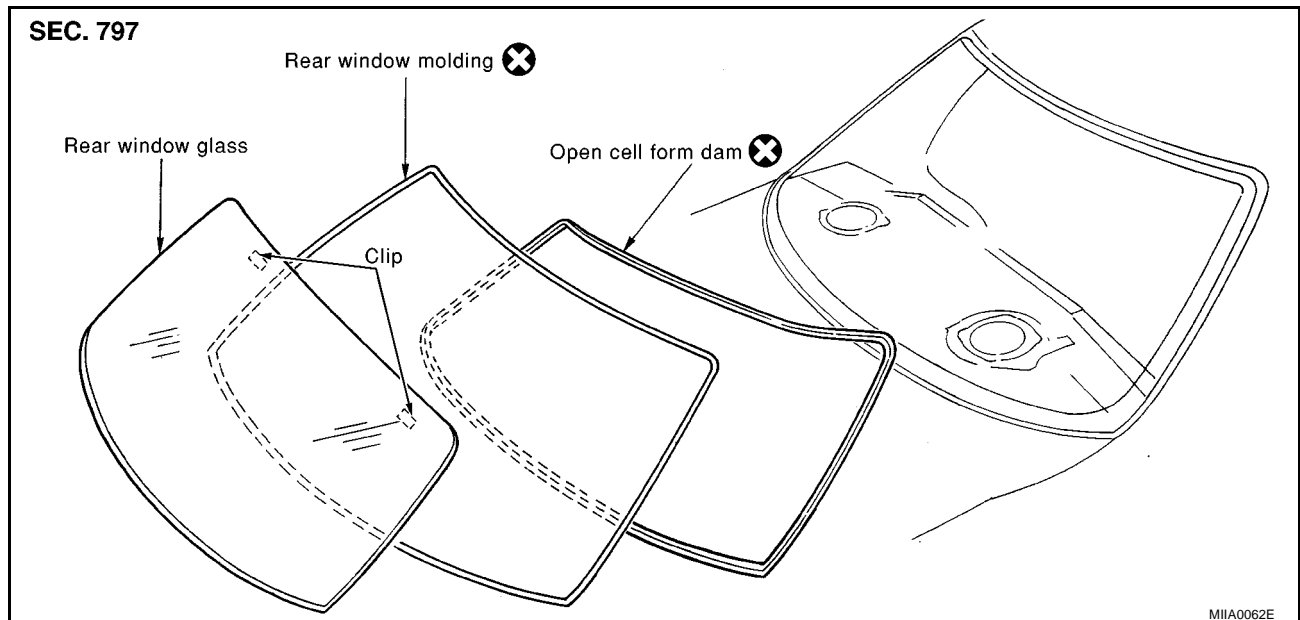
# REAR WINDOW GLASS AND MOLDING

## REAR WINDOW GLASS AND MOLDING

PFP:79712

### Removal and Installation

EIS005JR



### REMOVAL

1. Remove the headlining. Refer to EI section in P12 ESM (SM2E00-1P12E0E).
2. Remove rear pillar garnish and rear parcel shelf finisher. Refer to EI section in P12 ESM (SM2E00-1P12E0E).
3. Remove rear window defogger connector, printed antenna connector and body ground connector.
4. Apply a protective tape around the rear window glass to protect the painted surface from damage.

After removing moldings, remove glass using piano wire or power cutting tool and an inflatable pump bag.

- If a rear window glass is reversed, mark the body and the glass with mating marks.

### WARNING:

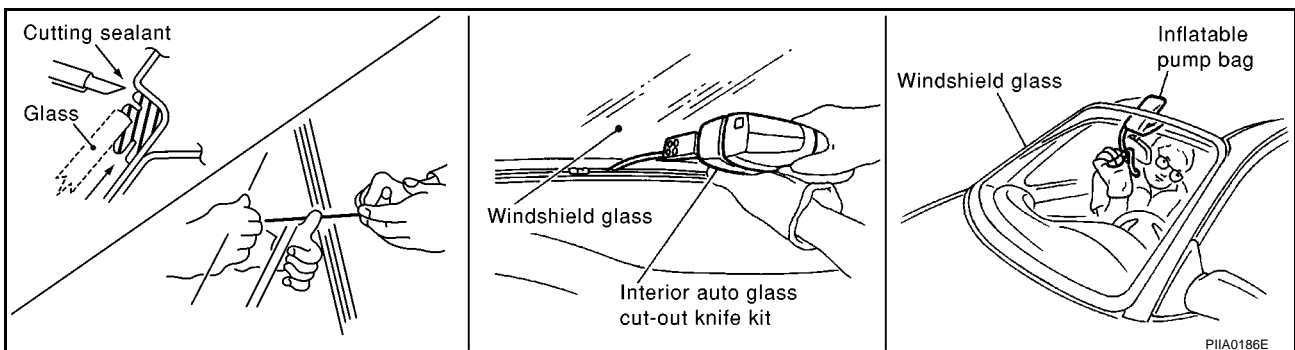
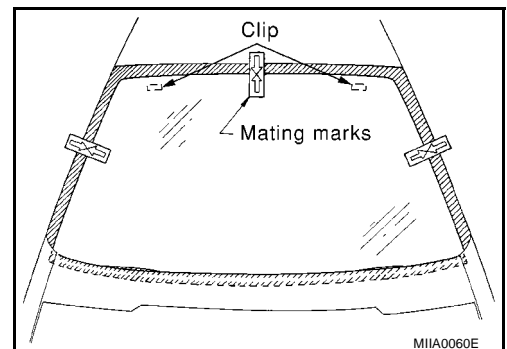
When cutting the glass from the vehicle, always wear safety glasses and heavy gloves to help prevent glass splinters from entering your eyes or cutting your hands.

### CAUTION:

When a rear window glass is reused, do not use a cutting knife or power cutting tool.

### NOTE:

- Be careful not to scratch the glass when removing.
- Do not set or stand the glass on its edge. Small chips may develop into cracks.



### INSTALLATION

- Use a genuine Nissan Urethane Adhesive Kit or equivalent and follow the instructions furnished with it.



## REAR WINDOW GLASS AND MOLDING

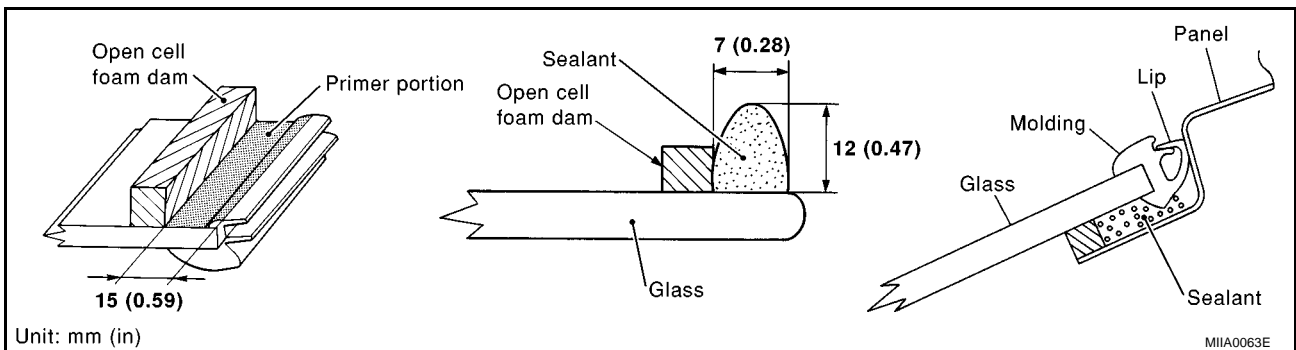
- While the urethane adhesive is curing, open a door window. This will prevent the glass from being forced out by passenger compartment air pressure when a door is closed.
- The molding must be installed securely so that it is in position and leaves no gap.
- Inform the customer that the vehicle should remain stationary until the urethane adhesive has completely cured (preferably 24 hours). Curing time varies with temperature and humidity.

### WARNING:

- Keep heat and open flames away as primers and adhesive are flammable.
- The materials contained in the kit are harmful if swallowed, and may irritate skin and eyes. Avoid contact with the skin and eyes.
- Use in an open, well ventilated location. Avoid breathing the vapors. They can be harmful if inhaled. If affected by vapor inhalation, immediately move to an area with fresh air.
- Driving the vehicle before the urethane adhesive has completely cured may affect the performance of the windshield in case of an accident.

### CAUTION:

- Do not use an adhesive which is past its usable term. Shelf life of this product is limited to six months after the date of manufacture. Carefully adhere to the expiration or manufacture date printed on the box.
- Keep primers and adhesive in a cool, dry place. Ideally, they should be stored in a refrigerator.
- Do not leave primers or adhesive cartridge unattended with their caps open or off.
- The vehicle should not be driven for at least 24 hours or until the urethane adhesive has completely cured. Curing time varies depending on temperature and humidities. The curing time will increase under higher temperatures and lower humidities.



### Repairing Water Leaks for Rear Window Glass

Leaks can be repaired without removing and reinstalling glass.

If water is leaking between the urethane adhesive material and body or glass, determine the extent of leakage. This can be done by applying water to the windshield area while pushing glass outward.

To stop the leak, apply primer (if necessary) and then urethane adhesive to the leak point.



# BACK DOOR WINDOW GLASS

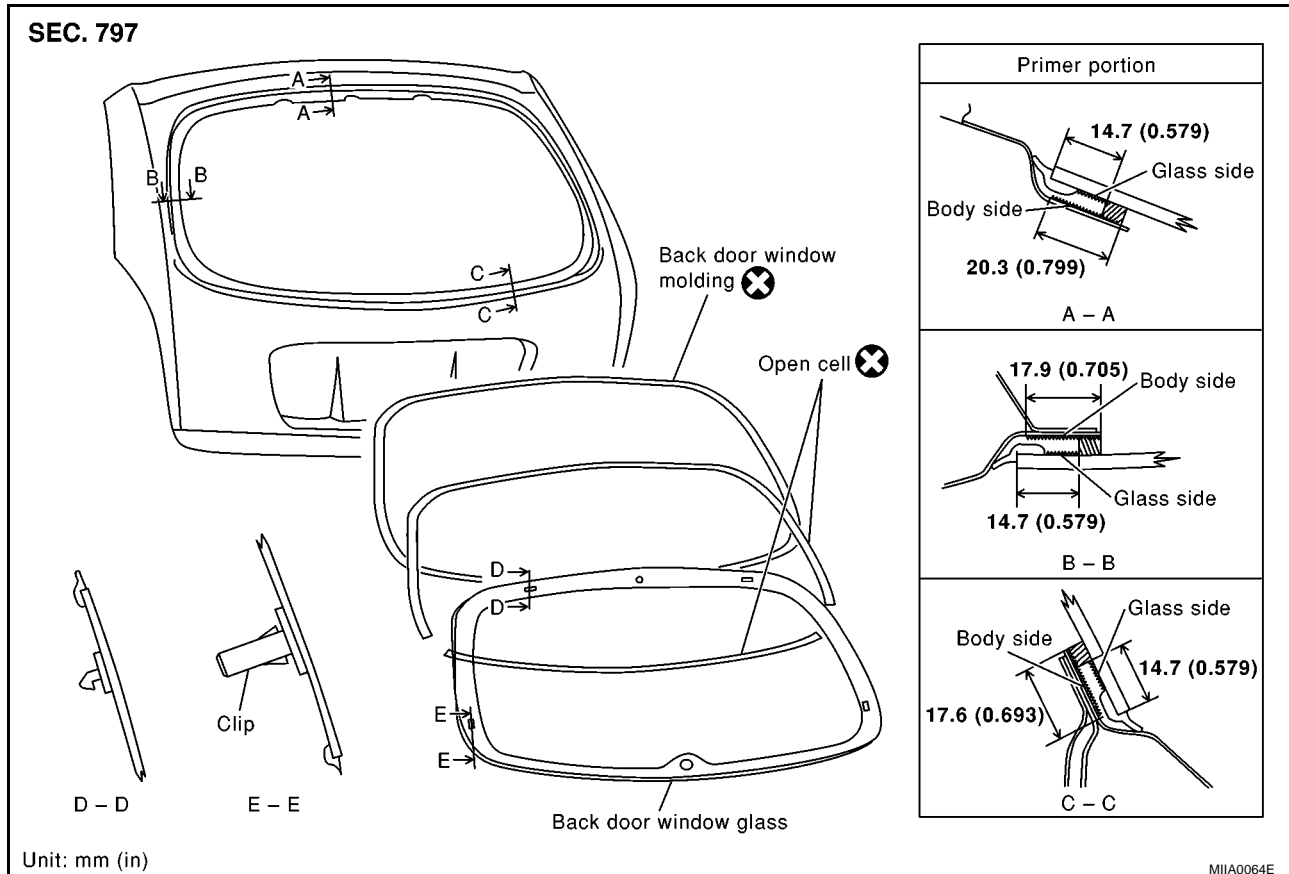
## BACK DOOR WINDOW GLASS

PFP:90300

### Wagon Models

### REMOVAL AND INSTALLATION

EIS005JS

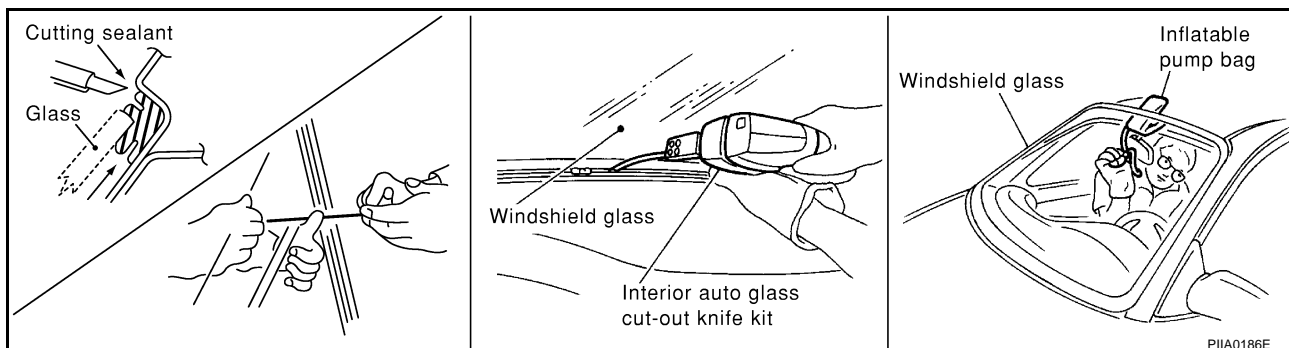


### Removal

1. Remove back door finisher. Refer to EI section in P12 ESM (SM2E00-1P12E0E).
2. Remove rear wiper arm. Refer to [VW-46, "Removal and Installation for Rear Wiper Arms"](#).
3. Remove rear washer nozzle. Refer to [VW-49, "Removal and Installation for Rear Washer Nozzle"](#).
4. Remove high-mounted stop lamp. Refer to [LT-90, "HIGH-MOUNTED STOP LAMP \(WAGON\)"](#).
5. Remove rear defogger connectors and printed antenna.
6. Apply a protective tape around the back door window glass (molding) to prevent the paint surface from being damaged.
7. Using a pair of pliers or similar tool, draw out all bonding molding left in flanged area on the body and remove it completely from bonding surface on glass.
8. Cut adhesive.
  - Depending on the tool in use, follow the procedures below.

#### NOTE:

If back door window glass is reused, do not use a windshield knife. (It may scratch glass surface.)

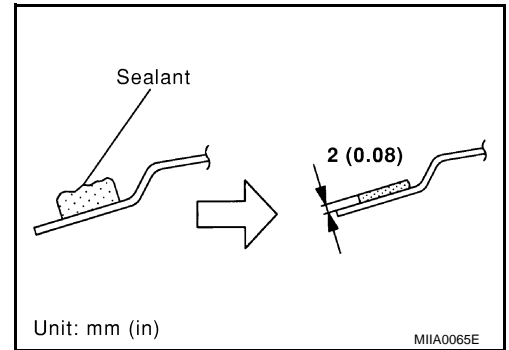




# BACK DOOR WINDOW GLASS

## Installation

1. With a knife, scrape off remaining adhesive left around on the side of vehicle body to as thin and flat as 2 mm (0.08 in).
2. When reusing glass, using a knife or spatula, remove bonding remainder on glass so that glass edge becomes smooth.



3. Apply primers.
4. After applying primer, apply adhesive along glass edge.
5. Press the entire surface of glass lightly to fit it completely.
6. Using a spatula, repair any adhesive overflow or shortage to make the surface smooth.

### NOTE:

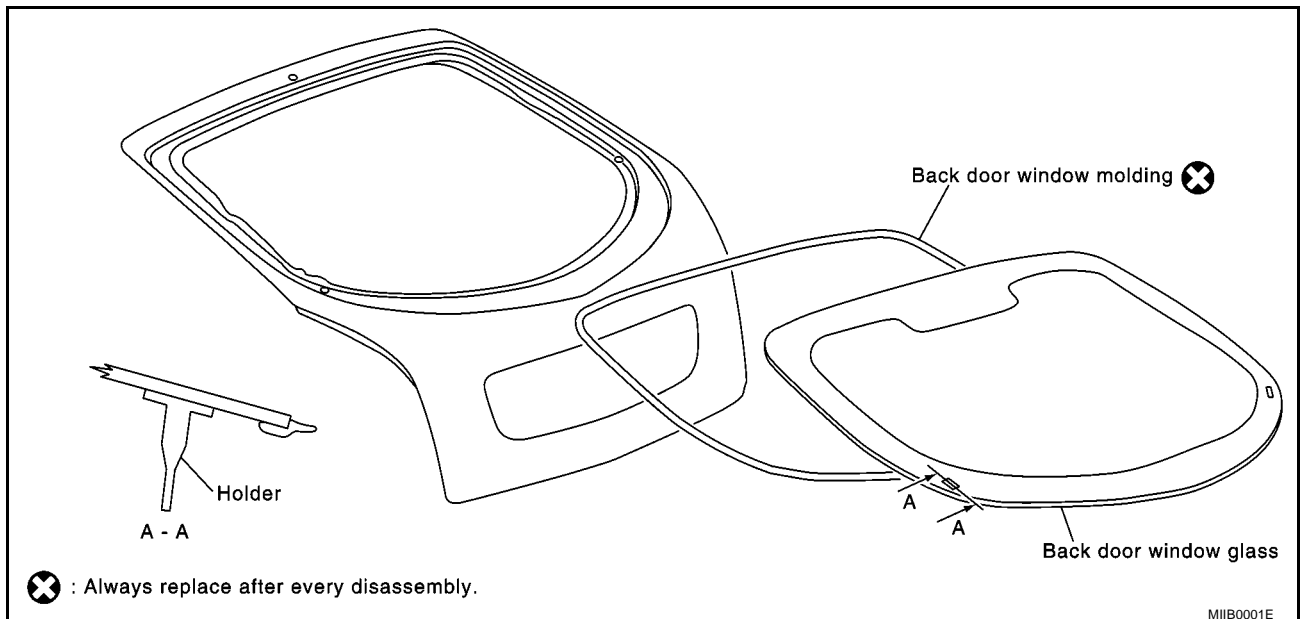
After installing glass, open the door windows until after adhesive has had enough time to cure properly. Do not drive the vehicle during this period.

7. Check that there is no leak from the outside.
8. Remove protective tape.
9. Install removed parts.

## Hatchback Models

### REMOVAL AND INSTALLATION

EIS005JT



## Removal

1. Remove back door finisher. Refer to EI section in P12 ESM (SM2E00-1P12E0E).
  2. Remove rear wiper arm. Refer to [WW-46, "Removal and Installation for Rear Wiper Arms"](#).
  3. Remove rear washer nozzle. Refer to [WW-49, "Removal and Installation for Rear Washer Nozzle"](#).
  4. Remove high-mounted stop lamp. Refer to [LT-91, "HIGH-MOUNTED STOP LAMP \(HATCHBACK\)"](#).
  5. Remove rear window defogger connectors.
  6. Apply a protective tape around the rear window glass to protect the painted surface from damage.
- After removing moldings, remove glass using piano wire or power cutting tool and an inflatable pump bag.



## BACK DOOR WINDOW GLASS

### WARNING:

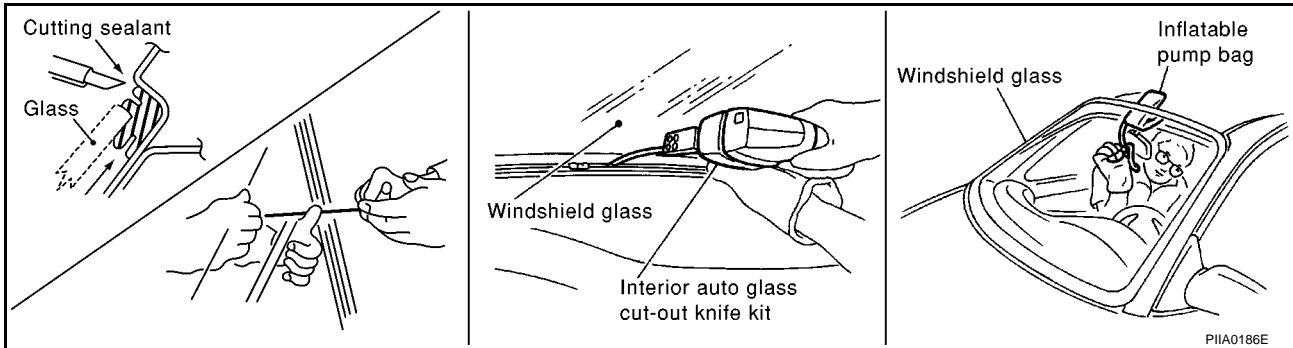
When cutting the glass from the vehicle, always wear safety glasses and heavy gloves to help prevent glass splinters from entering your eyes or cutting your hands.

### CAUTION:

When a rear window glass is reused, do not use a cutting knife or power cutting tool.

### NOTE:

- Be careful not to scratch the glass when removing.
- Do not set or stand the glass on its edge. Small chips may develop into cracks.



### Installation

- Use a genuine Nissan Urethane Adhesive Kit or equivalent and follow the instructions furnished with it.
- While the urethane adhesive is curing, open a door window. This will prevent the glass from being forced out by passenger compartment air pressure when a door is closed.
- The molding must be installed securely so that it is in position and leaves no gap.
- Inform the customer that the vehicle should remain stationary until the urethane adhesive has completely cured (preferably 24 hours). Curing time varies with temperature and humidity.

### WARNING:

- Keep heat and open flames away as primers and adhesive are flammable.
- The materials contained in the kit are harmful if swallowed, and may irritate skin and eyes. Avoid contact with the skin and eyes.
- Use in an open, well ventilated location. Avoid breathing the vapors. They can be harmful if inhaled. If affected by vapor inhalation, immediately move to an area with fresh air.
- Driving the vehicle before the urethane adhesive has completely cured may affect the performance of the windshield in case of an accident.

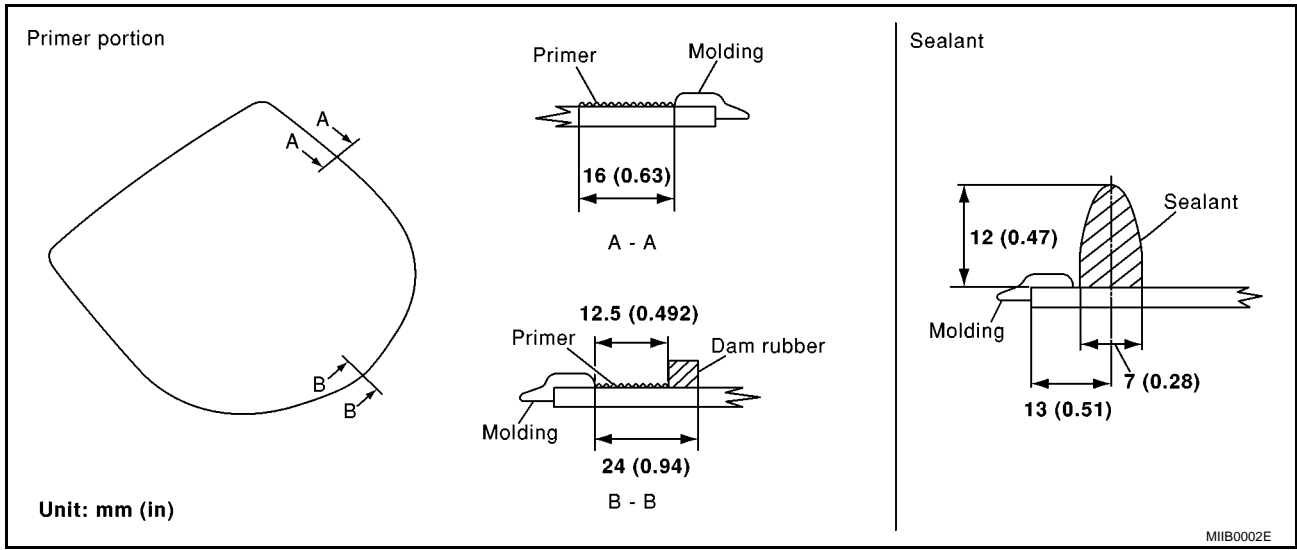
### CAUTION:

- Do not use an adhesive which is past its usable term. Shelf life of this product is limited to six months after the date of manufacture. Carefully adhere to the expiration or manufacture date printed on the box.
- Keep primers and adhesive in a cool, dry place. Ideally, they should be stored in a refrigerator.
- Do not leave primers or adhesive cartridge unattended with their caps open or off.



## BACK DOOR WINDOW GLASS

- The vehicle should not be driven for at least 24 hours or until the urethane adhesive has completely cured. Curing time varies depending on temperature and humidities. The curing time will increase under higher temperatures and lower humidities.



### Repairing Water Leaks for Back Door Window Glass

Leaks can be repaired without removing and reinstalling glass.

If water is leaking between the urethane adhesive material and body or glass, determine the extent of leakage. This can be done by applying water to the windshield area while pushing glass outward.

To stop the leak, apply primer (if necessary) and then urethane adhesive to the leak point.



INSIDE MIRROR

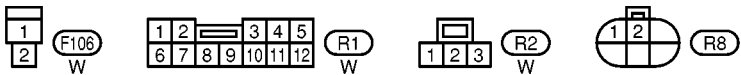
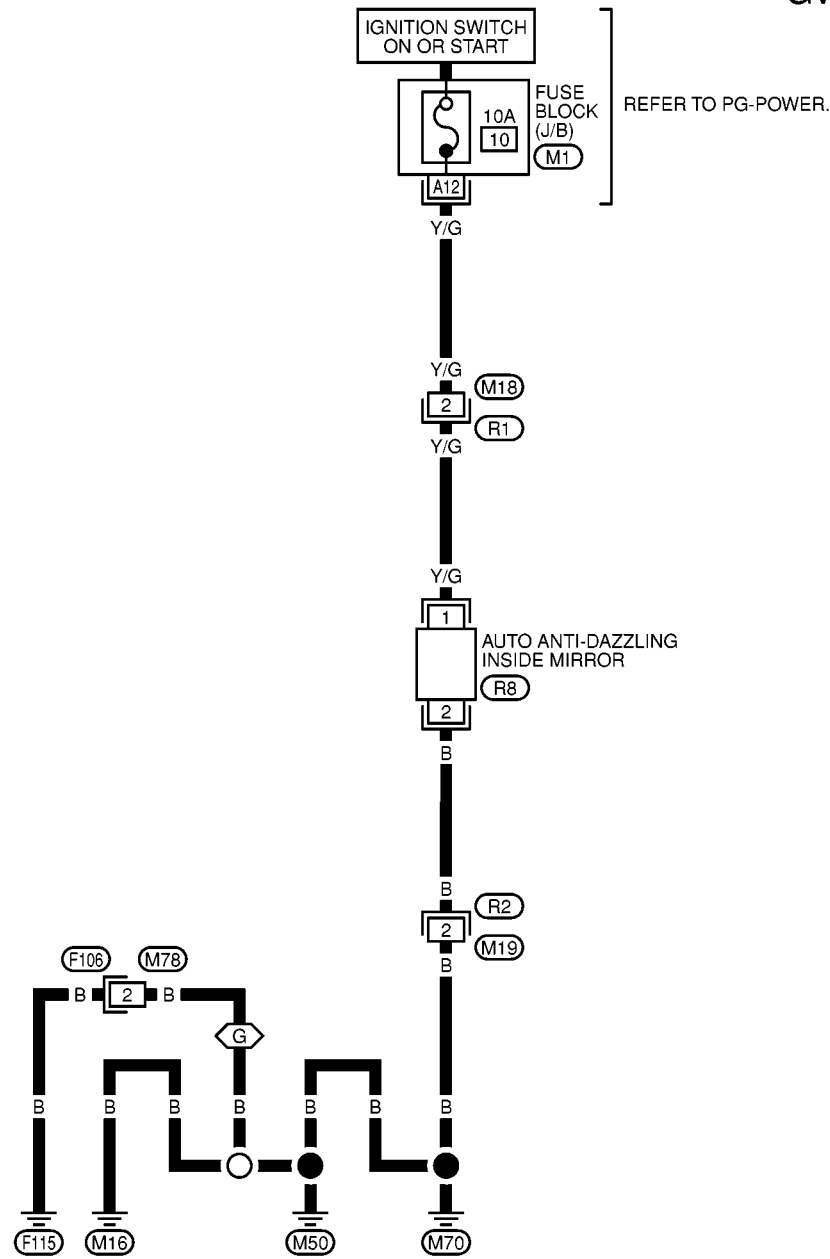
INSIDE MIRROR

PFP:96321

Wiring Diagram-I/MIRR-

EIS005JU

GW-I/MIRR-01



REFER TO THE FOLLOWING.  
(M1) -FUSE BLOCK-  
JUNCTION BOX (J/B)

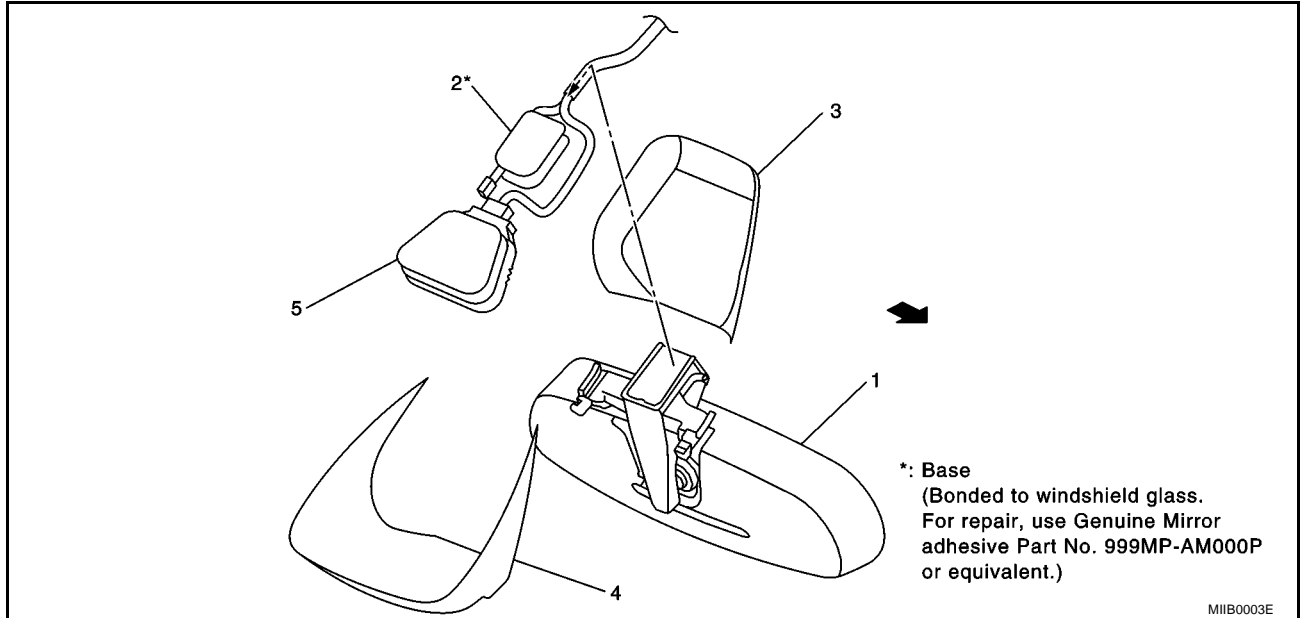


# INSIDE MIRROR

E/S005JV

## Removal and Installation INSIDE MIRROR

1. Remove inside mirror cover upper and lower. (For auto anti-dazz ling inside mirror)
2. Slide the mirror upward to remove, and disconnect the connector.



1. Inside mirror
4. Lower cover

2. Base
5. Rain sensor

3. Upper cover

GW



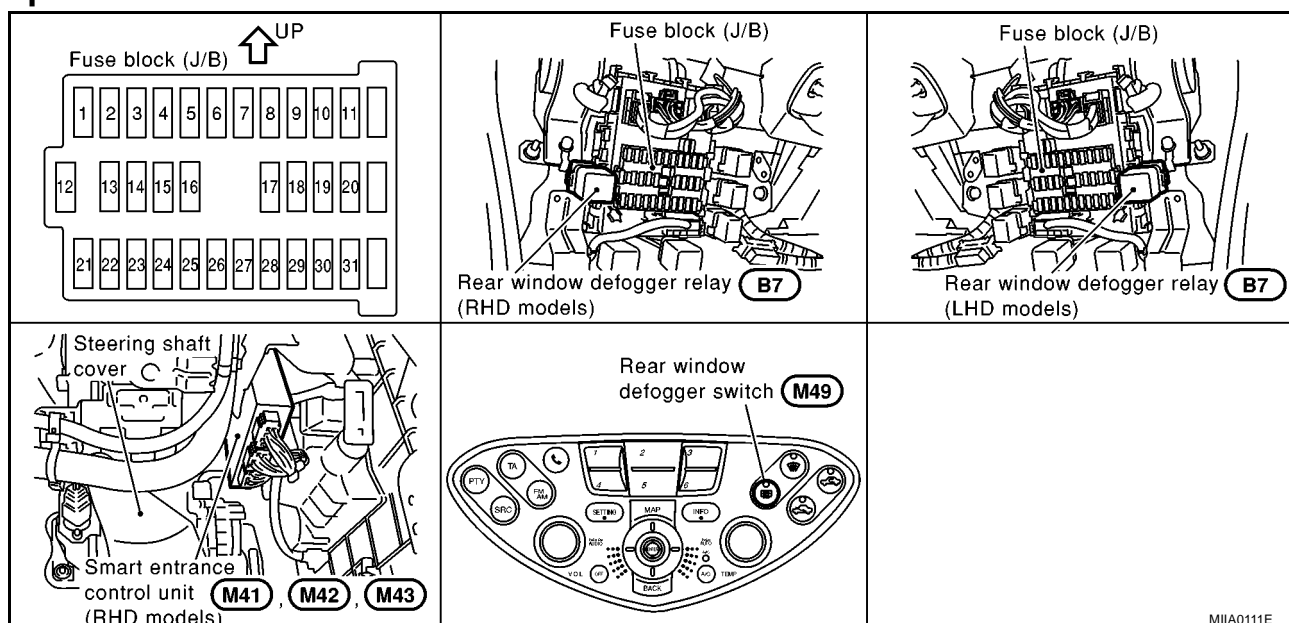
# REAR WINDOW DEFOGGER

## REAR WINDOW DEFOGGER

PFP:25350

### Component Parts and Harness Connector Location

EIS005JW



### System Description

EIS00600

The rear window defogger system is controlled by smart entrance control unit. The rear window defogger operates only for approximately 15 minutes. Power is supplied at all times

- through 20A fuse [No. 7, located in the fuse block (J/B)]
- to rear window defogger relay terminal 3.
- through 10A fuse [No. 12, located in the fuse block (J/B)]
- to smart entrance control unit terminal 56.

With the ignition switch in the ON or START position, power is supplied

- through 10A fuse [No. 10, located in the fuse block (J/B)]
- to rear defogger relay terminal 1 and
- to smart entrance control unit terminal 29.
- through 10A fuse [No. 23, located in the fuse block (J/B)]
- to rear window defogger relay terminal 6 (with door mirror defogger).
- through 10A fuse [No.1, located in the fuse block (J/B)]
- to multifunction switch terminal 6.

Ground is supplied

- to smart entrance control unit terminal 53
- through body grounds M16, M50, M70 and F115.
- to multifunction switch terminal 1
- through body grounds M16, M50, M70 and F115.

When the multifunction switch (rear window defogger switch) is turned ON, ground is supplied

- to smart entrance control unit terminal 22
- through multifunction switch (rear window defogger switch) terminal 9.

Terminal 31 of the smart entrance control unit then supplies ground to the rear window defogger relay terminal 2.

With power and ground supplied, the rear window defogger relay is energized.

Power is supplied

- through terminals 5 and 7 of the rear window defogger relay
- to the rear window defogger and door mirror defogger.



# REAR WINDOW DEFOGGER

The rear window defogger has an independent ground.

With power and ground supplied, the rear window defogger filaments heat and defog the rear window.

When the system is activated, the rear window defogger indicator illuminates in the multifunction switch (rear window defogger switch).

Power is supplied

- through rear window defogger relay terminal 5
- to multifunction switch (rear window defogger switch) terminal 10.

## CAN Communication SYSTEM DESCRIPTION

EIS0060P

CAN (Controller Area Network) is a serial communication line for real time application. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Many electronic control units are equipped onto a vehicle, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN H line, CAN L line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only.

## CAN COMMUNICATION UNIT

Body type	Sedan/Wagon/Hatch back							
Axle	2WD							
Engine	YD22DDTi				F9Q			
Transmission	M/T							
Brake control	ESP		ABS		ESP		ABS	
CAN communication unit								
ECM	×	×	×	×	×	×	×	×
ESP/TCS/ABS control unit	×	×			×	×		
ABS actuator and electric unit (control unit)			×	×			×	×
Data link connector	×	×	×	×	×	×	×	×
Tyre pressure monitoring control unit	×		×		×		×	
Steering angle sensor	×	×			×	×		
Smart entrance control unit	×	×	×	×	×	×	×	×
Combination meter	×	×	×	×	×	×	×	×
Can communication type	GW-18. "TYPE 21,TYPE22/TYPE29, TYPE30"		GW-19. "TYPE 23,TYPE24/TYPE31, TYPE32"		GW-20. "TYPE 25/ TYPE26"		GW-21. "TYPE 27/ TYPE28"	

×:Applicable

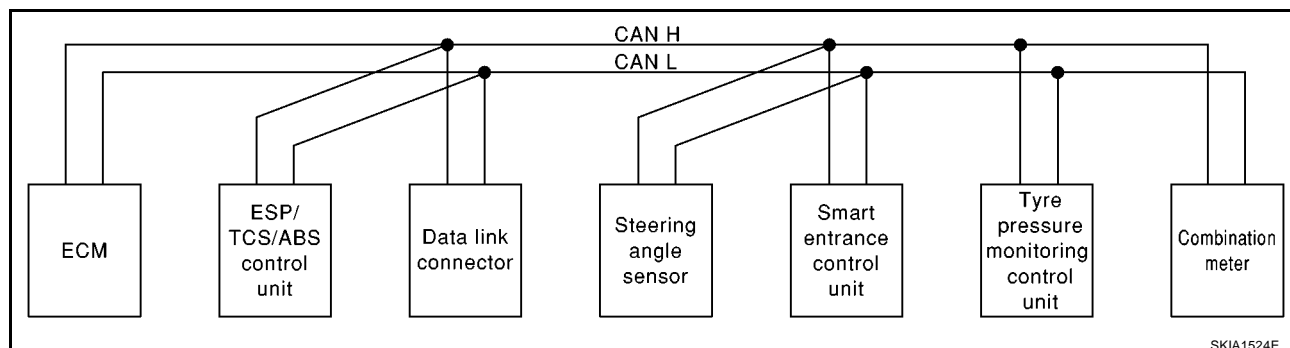


# REAR WINDOW DEFOGGER

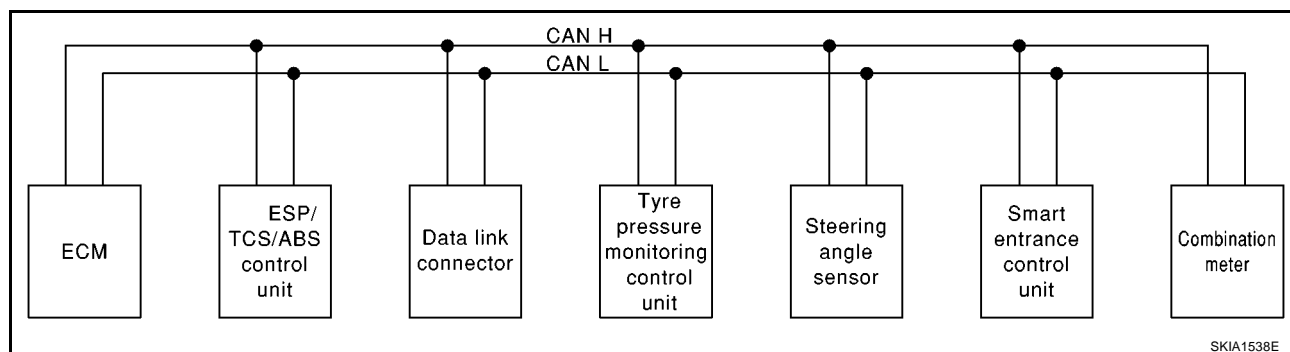
## TYPE 21, TYPE22/TYPE29, TYPE30

### System diagram

- LHD models (Type21, Type22)



- RHD models (Type29, Type30)



### Input/output signal chart

T: Transmit R: Receive

Signals	ECM	ESP/ TCS / ABS control unit	Steering angle sensor	Smart entrance control unit	Tyre pres- sure monitor- ing control unit	Combination meter
Engine speed signal	T	R				R
Accelerator pedal position signal	T	R				
Steering angle sensor signal		R	T			
Air conditioner switch signal	R					T
MI signal	T					R
Glow indicator lamp signal	T					R
Engine coolant temperature signal	T					R
Fuel consumption signal	T					R
Vehicle speed signal		T				R
	R				R	T
Seat belt reminder signal				R		T
Lighting switch position signal				T		R
Flashing indicator signal				T		R
Engine cooling fan speed signal	T			R		
Child lock indicator signal				T		R
Door switches state signal				T		R
A/C compressor signal	T			R		
Tyre pressure signal					T	R

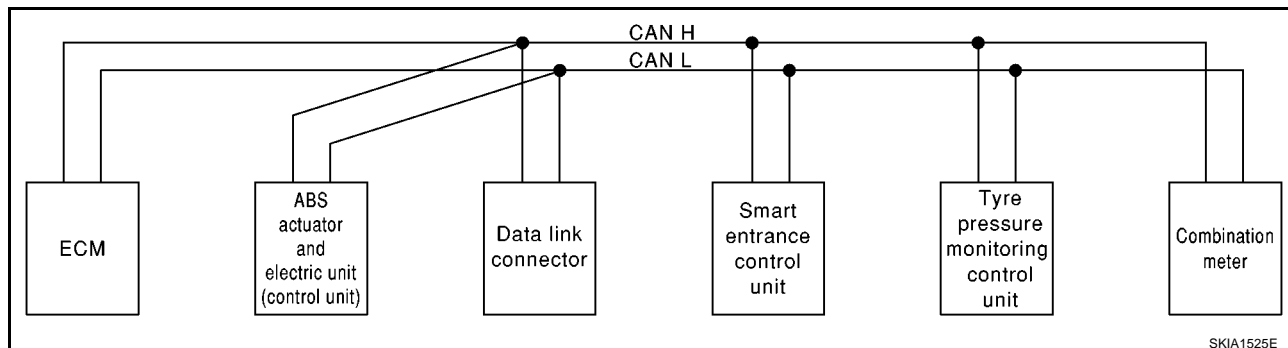


# REAR WINDOW DEFOGGER

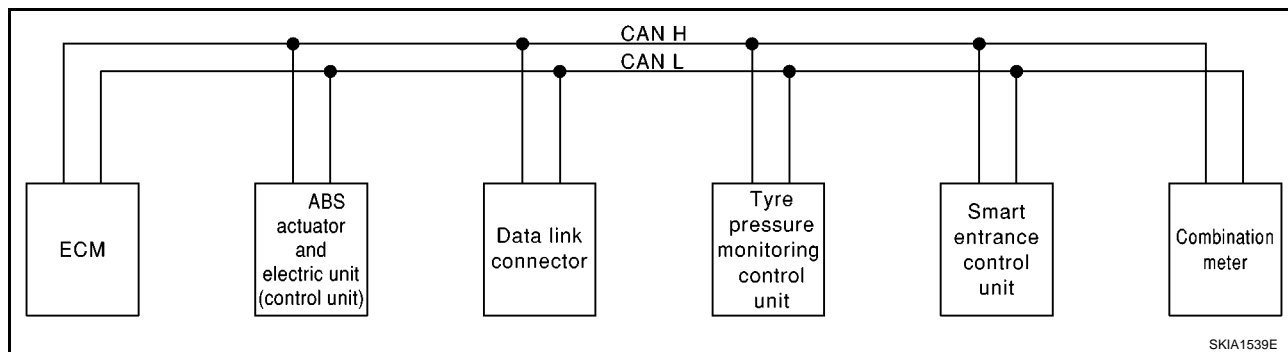
## TYPE 23,TYPE24/TYPE31, TYPE32

### System diagram

- LHD models (Type23, Type24)



- RHD models (Type31, Type32)



### Input/output signal chart

T: Transmit R: Receive

Signals	ECM	ABS actuator and electric unit (control unit)	Smart entrance control unit	Tyre pressure monitoring control unit	Combination meter
Engine speed signal	T				R
Air conditioner switch signal	R				T
MI signal	T				R
Glow indicator lamp signal*1	T				R
Engine coolant temperature signal	T				R
Fuel consumption signal	T				R
Vehicle speed signal		T			R
	R			R	T
Seat belt reminder signal			R		T
Lighting switch position signal			T		R
Flashing indicator signal			T		R
Engine cooling fan speed signal	T		R		
Child lock indicator signal			T		R
Door switches state signal			T		R
A/C compressor signal	T		R		
Tyre pressure signal				T	R

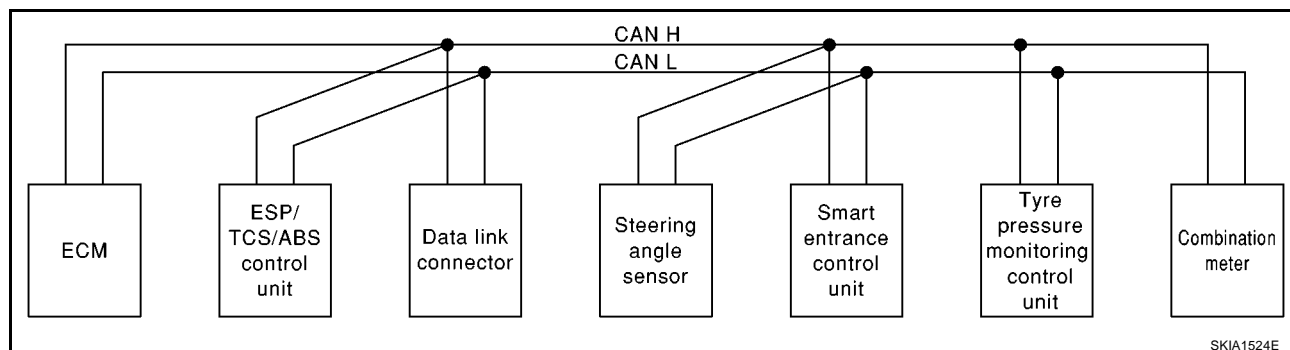


# REAR WINDOW DEFOGGER

## TYPE 25/TYPE26

### System diagram

LHD models (Type25, Type26)



### Input/output signal chart

T: Transmit R: Receive

Signals	ECM	ESP/ TCS / ABS control unit	Steering angle sensor	Smart entrance control unit	Tyre pres- sure monitor- ing control unit	Combination meter
Engine speed signal	T	R				R
Accelerator pedal position signal	T	R				
ESP operation signal	R	T				
TCS operation signal	R	T				
ABS operation signal	R	T				
Steering angle sensor signal		R	T			
MI signal	T					R
Engine coolant temperature signal	T					R
Fuel consumption signal	T					R
Vehicle speed signal	R	T				R
					R	T
Seat belt reminder signal				R		T
Lighting switch position signal				T		R
Flashing indicator signal				T		R
Engine cooling fan speed signal	T			R		
Child lock indicator signal				T		R
Door switches state signal				T		R
A/C compressor signal	T			R		
Glow indicator lamp signal	T					R
Tyre pressure signal					T	R

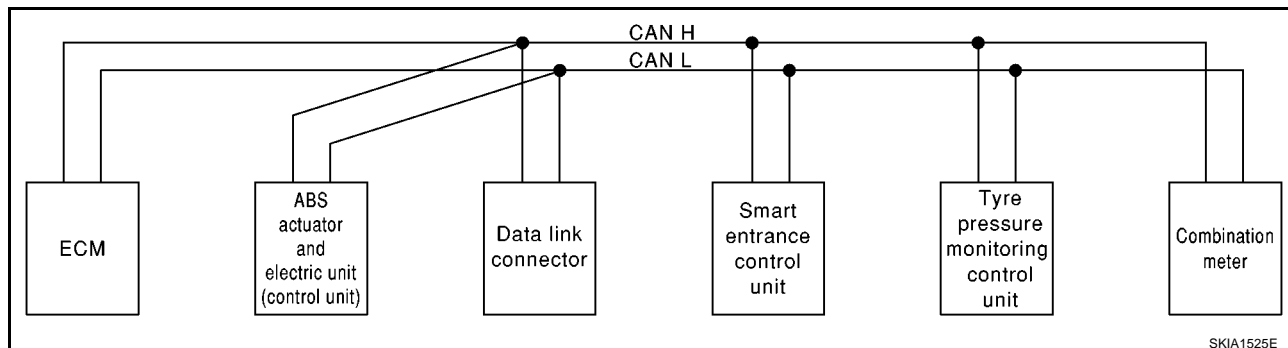


# REAR WINDOW DEFOGGER

## TYPE 27/TYPE28

### System diagram

- LHD models (Type27, Type28)



### Input/output signal chart

T: Transmit R: Receive

Signals	ECM	ABS actuator and electric unit (control unit)	Smart entrance control unit	Tyre pressure monitoring control unit	Combination meter
Engine speed signal	T				R
ABS operation signal	R	T			
MI signal	T				R
Glow indicator lamp signal	T				R
Engine coolant temperature signal	T				R
Fuel consumption signal	T				R
Vehicle speed signal	R	T			R
				R	T
Seat belt reminder signal			R		T
Lighting switch position signal			T		R
Flashing indicator signal			T		R
Engine cooling fan speed signal	T		R		
Child lock indicator signal			T		R
Door switches state signal			T		R
A/C compressor signal	T		R		
Tyre pressure signal				T	R



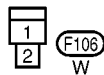
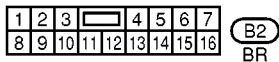
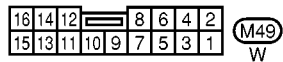
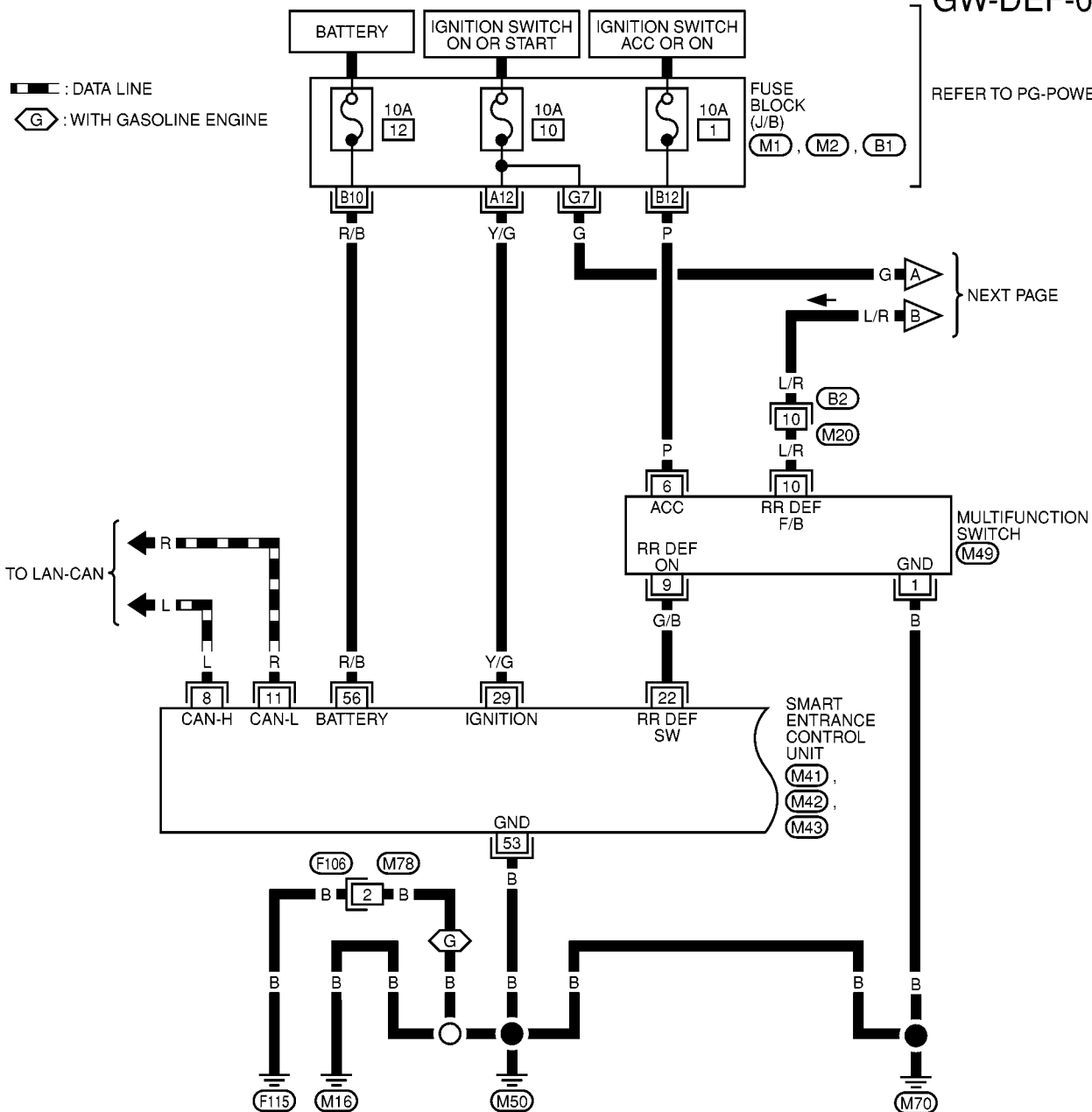
# REAR WINDOW DEFOGGER

## Wiring Diagram –DEF–

EIS0060Q

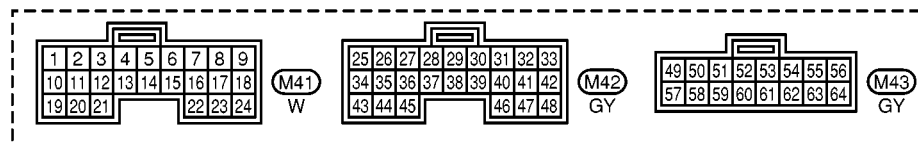
GW-DEF-01

REFER TO PG-POWER.



REFER TO THE FOLLOWING.

(M1), (M2), (B1) -FUSE BLOCK-JUNCTION BOX (J/B)

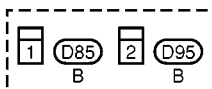
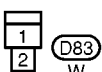
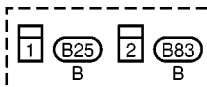
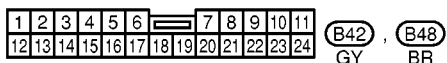
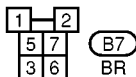
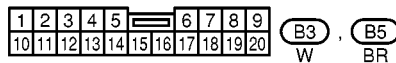
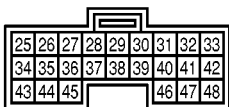
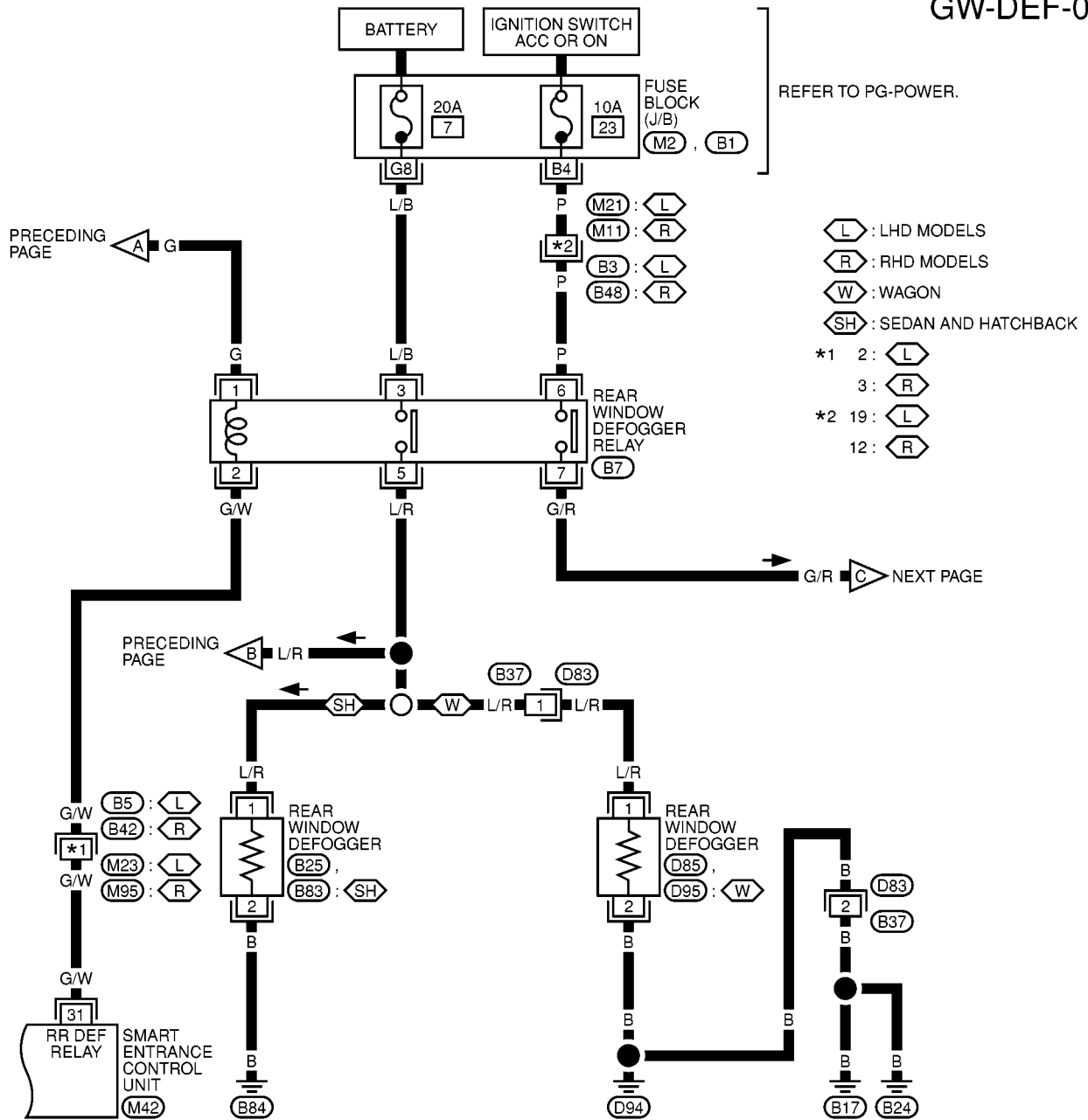


MKWA0649E



# REAR WINDOW DEFOGGER

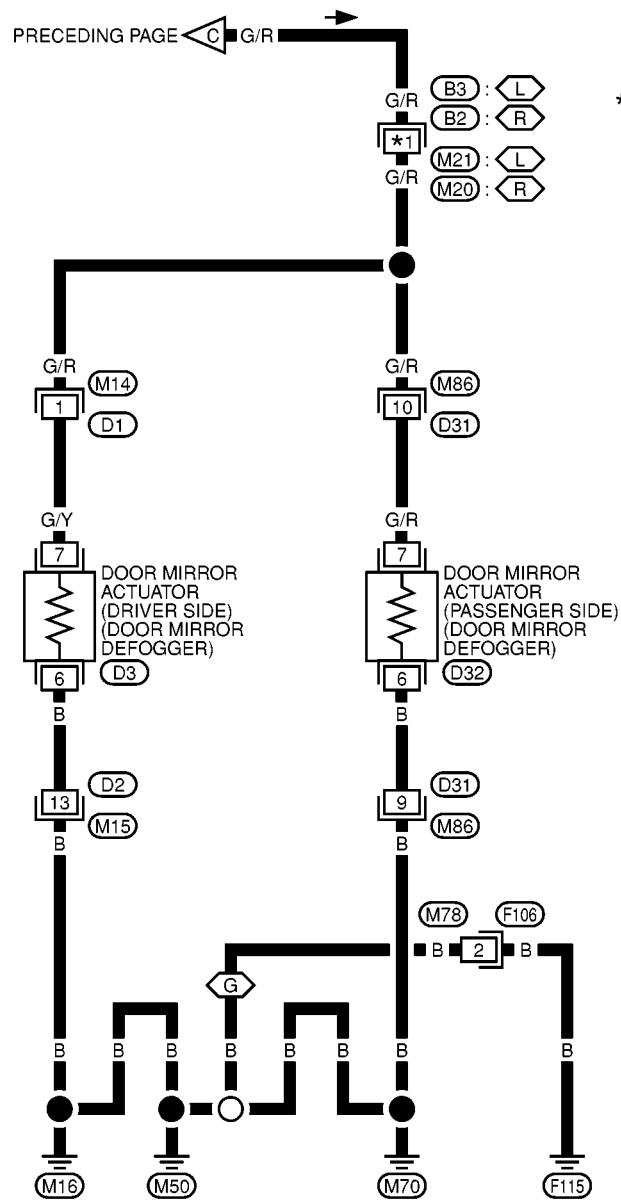
GW-DEF-02



REFER TO THE FOLLOWING.  
M2, B1 - FUSE BLOCK-  
JUNCTION BOX (J/B)



## GW-DEF-03



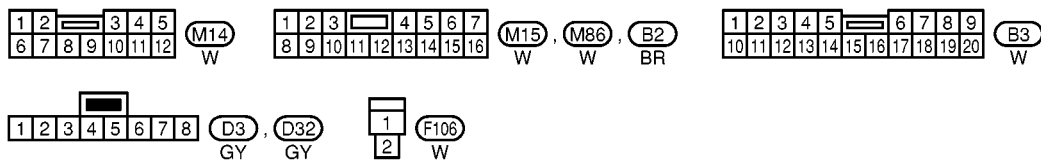
 : WITH GASOLINE ENGINE

 : LHD MODELS

 : RHD MODELS

\*1 15: 

9: 





## REAR WINDOW DEFOGGER

### Terminals and Reference Value for Smart Entrance Control Unit

EIS0060R

Terminal	Wire color	Item	Condition	Voltage (V) (Approx.)
22	G/B	Rear window defogger switch signal	Rear window defogger switch : ON	0
			Rear window defogger switch : OFF	Battery voltage
29	Y/G	IGN power supply	Ignition switch (ON or START position)	Battery voltage
31	G/W	Rear window defogger relay control signal	Rear window defogger switch : ON	Battery voltage
			Rear window defogger switch : OFF	0
53	B	Ground	—	0
56	R/B	BAT power supply	—	Battery voltage

### Work Flow

EIS0060S

1. Check the symptom and customer's requests.
2. Understand the outline of system. Refer to [GW-16, "System Description"](#) .
3. According to the trouble diagnosis chart, repair or replace the cause of the malfunction. Refer to [GW-27, "Trouble Diagnoses Symptom Chart"](#) .
4. Does rear window defogger operate normally? YES: GO TO 5, NO: GO TO 3.
5. INSPECTION END.

GW

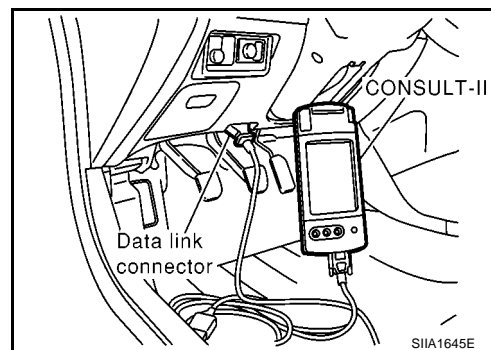


# REAR WINDOW DEFOGGER

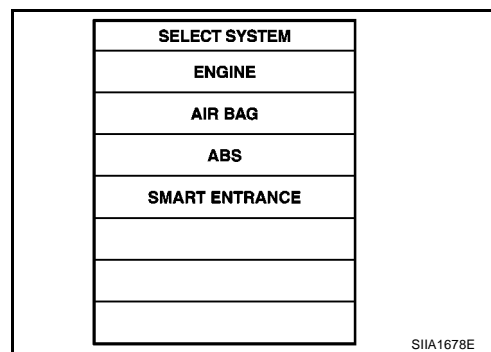
## CONSULT-II Inspection Procedure

E/S0060T

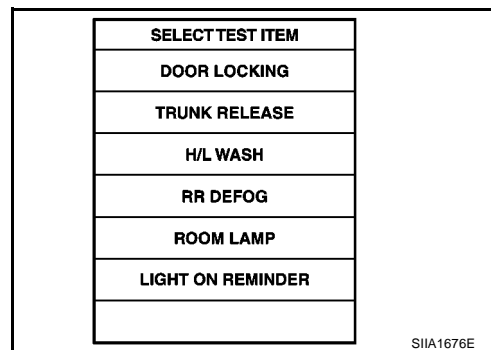
1. Turn ignition switch "OFF".
2. Connect CONSULT-II to data link connector.



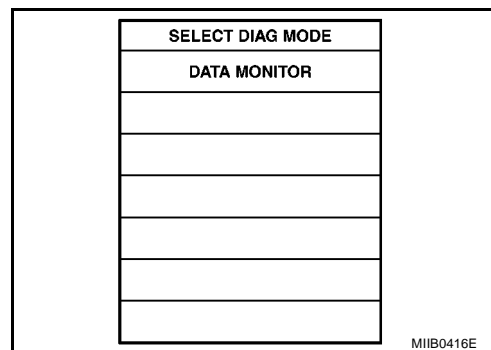
3. Turn ignition switch "ON".
4. Touch "SMART ENTRANCE".



5. Touch "RR DEF".



6. Select diagnosis mode.  
"DATA MONITOR" are available.



## DATA MONITOR Display Item List

Monitor item "Operation"		Content
REAR DEF SW	"ON/OFF"	Displays "Press (ON)/others (OFF)" status determined with the rear window defogger switch.



# REAR WINDOW DEFOGGER

## Trouble Diagnoses Symptom Chart

EIS0060U

- Make sure other systems using the signal of the following systems operate normally.

Symptom	Diagnoses / Service procedure	Refer to page
Rear window defogger and door mirror defogger do not operate.	1. Smart entrance control unit power supply and ground circuit check	<a href="#">GW-27</a>
	2. Rear window defogger switch circuit check	<a href="#">GW-28</a>
	3. Rear window defogger power supply circuit check	<a href="#">GW-30</a>
	4. Replace smart entrance control unit.	<a href="#">BCS-3</a>
Rear window defogger does not operate but both of door mirror defogger operate.	1. Rear window defogger circuit check	<a href="#">GW-32</a>
	2. Filament check	<a href="#">GW-35</a>
Door mirror defogger does not operated but both of rear window defogger operate.	1. Door mirror defogger power supply circuit check	<a href="#">GW-34</a>

## Smart Entrance Control Unit Power Supply and Ground Circuit Check

EIS0060V

### 1. CHECK FUSE

- Check 10A fuse [No.10, located in fuse block (J/B)]
- Check 10A fuse [No.12, located in fuse block (J/B)]

#### NOTE:

Refer to [GW-16, "Component Parts and Harness Connector Location"](#).

OK or NG

OK >> GO TO 2.

NG >> If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse. Refer to [PG-3, "POWER SUPPLY ROUTING"](#)

### 2. CHECK POWER SUPPLY CIRCUIT

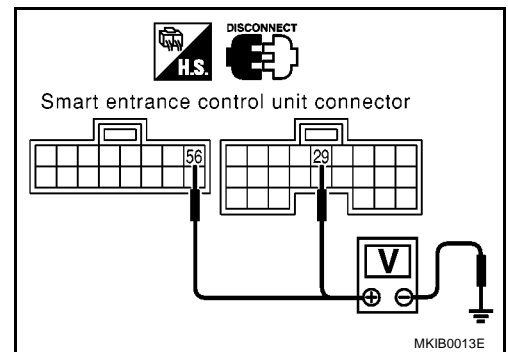
- Turn ignition switch OFF.
- Disconnect smart entrance control unit connector.
- Turn ignition switch ON.
- Check voltage between smart entrance control unit connector M42, 43 terminal 29, 56 and ground.

**29 (Y/G) – Ground :Battery voltage**  
**56 (R/B) – Ground :Battery voltage**

OK or NG

OK >> GO TO 3.

NG >> Check smart entrance control unit power supply circuit for open or short.



### 3. CHECK GROUND CIRCUIT

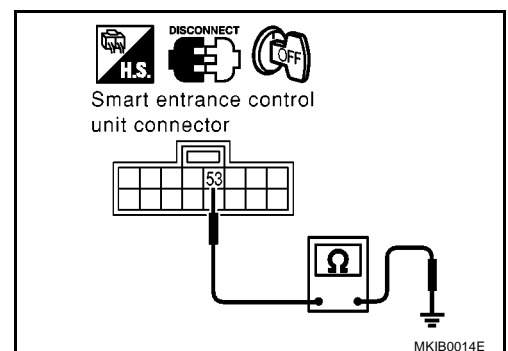
Check continuity between smart entrance control unit connector M43 terminal 53 and ground.

**53 (B) – Ground : Continuity should exist.**

OK or NG

OK >> Smart entrance control unit power supply and ground circuit is OK.

NG >> Check smart entrance control unit ground circuit for open or short.





# REAR WINDOW DEFOGGER

## Rear Window Defogger Switch Circuit Check

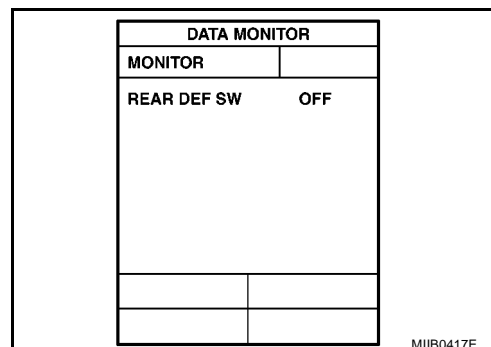
EIS0060W

### 1. CHECK REAR WINDOW DEFOGGER SWITCH OPERATION

#### With CONSULT-II

Check ("REAR DEF SW") in DATA MONITOR mode with CONSULT-II.

**When rear window defogger switch is turned to ON**  
**REAR DEF SW : ON**



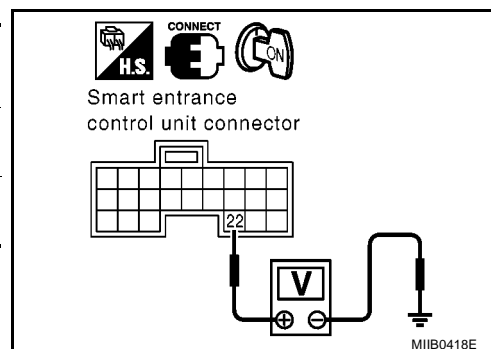
#### With out CONSULT-II

1. Turn ignition switch ON.
2. Check voltage between smart entrance control unit connector ground.

Connector	Terminal (Wire color)		Condition	Voltage (V) (Approx.)
	(+)	(-)		
M41	22 (G/B)	Ground	Rear window defogger switch is pressed.	0
			Rear window defogger switch is OFF.	Batter voltage

OK or NG

- OK >> Rear window defogger switch check is OK.  
 NG >> GO TO 2.



### 2. CHECK HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Disconnect smart entrance control unit and multifunction switch connector.
3. Check continuity between smart entrance control unit connector M41 terminal 22 and multifunction switch connector M49 terminal 9.

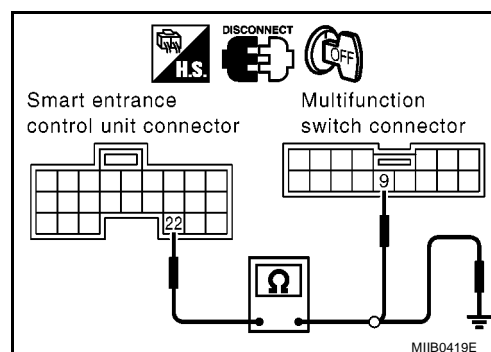
**22 (G/B) – 9 (G/B) : Continuity should exist.**

4. Check continuity between smart entrance control unit connector M41 terminal 22 and ground

**22 (G/B) – Ground : Continuity should not exist.**

OK or NG

- OK >> GO TO 3.  
 NG >> Repair or replace harness between smart entrance control unit and multifunction switch.





## REAR WINDOW DEFOGGER

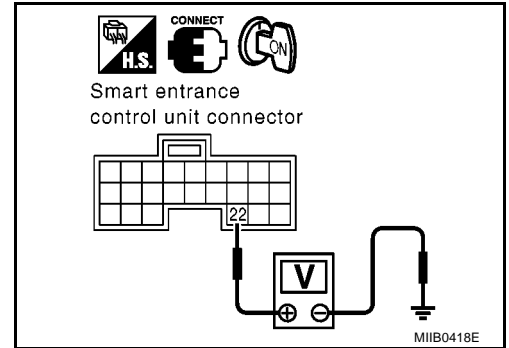
### 3. CHECK SMART ENTRANCE CONTROL UNIT OUTPUT SIGNAL

1. Connect smart entrance control unit connector.
2. Turn ignition switch ON.
3. Check voltage between smart entrance control unit connector M41 terminal 22 and ground.

**22 (G/B) – Ground : Approx. 5**

OK or NG

- OK >> Replace multifunction switch.  
NG >> Replace smart entrance control unit.





# REAR WINDOW DEFOGGER

## Rear Window Defogger Power Supply Circuit Check

EIS0060X

### 1. CHECK FUSE

- Check 10A fuse [No.23, located in the fuse block (J/B)]
- Check 20A fuse [No.7, located in the fuse block (J/B)]

#### NOTE:

Refer to [GW-16, "Component Parts and Harness Connector Location"](#) .

OK or NG

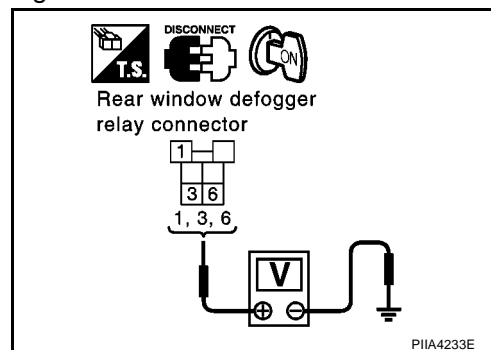
OK >> GO TO 2.

NG >> If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse, refer to [PG-3, "POWER SUPPLY ROUTING"](#) .

### 2. CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect rear window defogger relay.
3. Turn ignition switch ON.
4. Check voltage between rear window defogger relay connector and ground.

Connector	Terminals (Wire color)		Voltage (V) (Approx.)
	(+)	(-)	
B7	1 (G)	Ground	Battery voltage
	3 (L/B)		
	6 (P)		



OK or NG

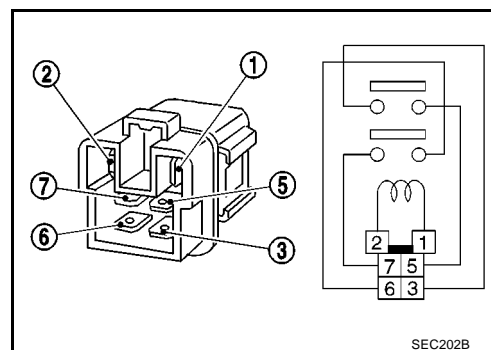
OK >> GO TO 3.

NG >> Repair or replace harness between fuse block (J/B) and rear window defogger relay.

### 3. CHECK REAR WINDOW DEFOGGER RELAY

Check continuity between rear window defogger terminals 3 and 5, 6 and 7.

Terminal		Condition	Continuity
3	5	12V direct current supply between terminals 1 and 2	Yes
		No current supply	No
6	7	12V direct current supply between terminals 1 and 2	Yes
		No current supply	No



OK or NG

OK >> GO TO 4.

NG >> Replace rear window defogger relay.



# REAR WINDOW DEFOGGER

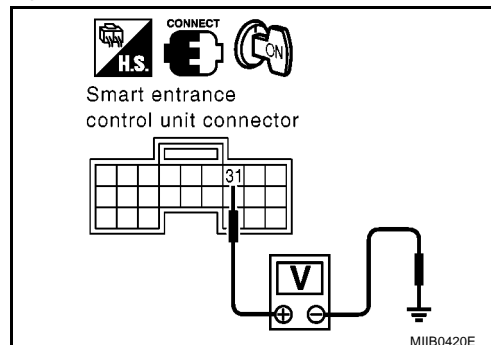
## 4. CHECK GROUND CIRCUIT

1. Installation rear window defogger relay.
2. Turn ignition switch ON.
3. Check voltage between smart entrance control unit connector and ground.

Connector	Terminals (Wire color)		Condition	Voltage (V) (Approx.)
	(+)	(-)		
M42	31 (G/W)	Ground	When rear window defogger switch ON	0
			When rear window defogger switch OFF	Battery voltage

OK or NG

- OK >> Rear window defogger power supply circuit check is OK.  
 NG >> GO TO 5.



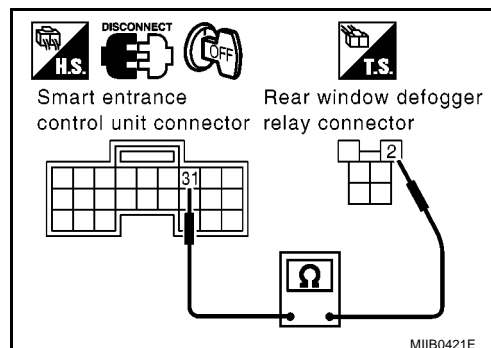
## 5. CHECK HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Disconnect smart entrance control unit connector and rear window defogger relay.
3. Check continuity between smart entrance control unit connector M42 terminal 31 and rear window defogger relay connector B7 terminal 2.

**31 (G/W) – 2 (G/W) : Continuity should exist.**

OK or NG

- OK >> GO TO 6.  
 NG >> Repair or replace harness between smart entrance control unit and rear window defogger relay.



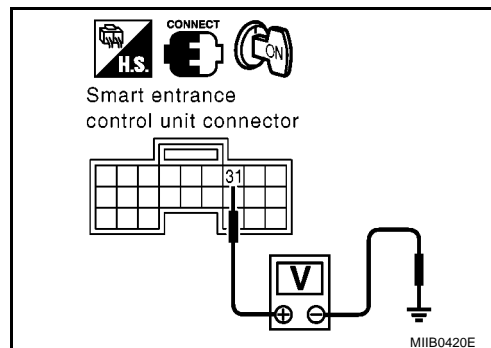
## 6. CHECK REAR WINDOW DEFOGGER RELAY OUTPUT SIGNAL

1. Connect smart entrance control unit and rear window defogger relay.
2. Turn ignition switch ON.
3. Check voltage between smart entrance control unit connector M42 terminal 31 and ground.

**31 (G/W) – Ground : Battery voltage**

OK or NG

- OK >> Replace smart entrance control unit.  
 NG >> Check the condition of the harness and the connector.





# REAR WINDOW DEFOGGER

EIS0060Y

## Rear Window Defogger Circuit Check

### 1. CHECK FUSE

- Check 20A fuse [No.7, located in the fuse block (J/B)]

#### NOTE:

Refer to [GW-16, "Component Parts and Harness Connector Location"](#) .

OK or NG

OK >> GO TO 2.

NG >> If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse, refer to [PG-3, "POWER SUPPLY ROUTING"](#) .

### 2. CHECK REAR WINDOW DEFOGGER RELAY

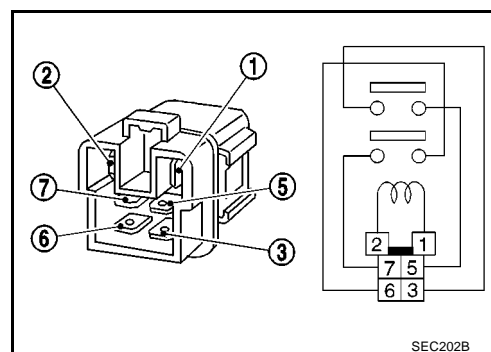
1. Turn ignition switch OFF.
2. Remove rear window defogger relay.
3. Check continuity between rear window defogger terminals 3 and 5.

Terminal		Condition	Continuity
3	5	12V direct current supply between terminals 1 and 2	Yes
		No current supply	No

OK or NG

OK >> GO TO 3.

NG >> Replace rear window defogger relay.



### 3. CHECK POWER SUPPLY CIRCUIT

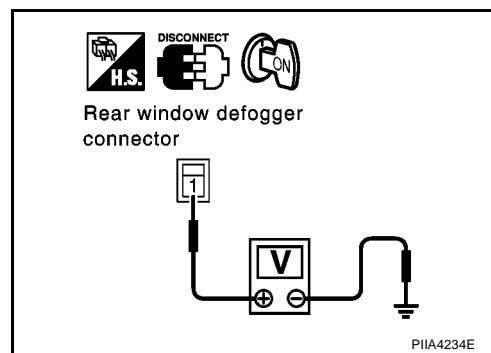
1. Installation rear window defogger relay.
2. Disconnect rear window defogger connector.
3. Turn ignition switch ON.
4. Check voltage between rear window defogger connector and ground.

Connector	Terminal (Wire color)		Condition	Voltage (V) (Approx.)
	(+)	(-)		
B25 or B85	1(L/G)	Ground	Rear window defogger switch ON.	Battery voltage
			Rear window defogger switch OFF.	0

OK or NG

OK >> GO TO 4.

NG >> GO TO 5.





# REAR WINDOW DEFOGGER

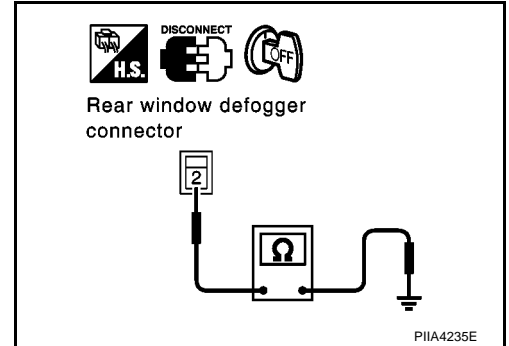
## 4. CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between rear window defogger connector B83 or D95 terminal 2 and ground.

**2 (B) – Ground : Continuity should exist.**

OK or NG

- OK >> Check filament. Refer to [GW-35, "FILAMENT CHECK"](#)
- If filament is OK.  
Check the condition of the harness and the connector.
  - If filament is NG.  
Repair filament.
- NG >> Repair or replace harness between rear window defogger and ground.



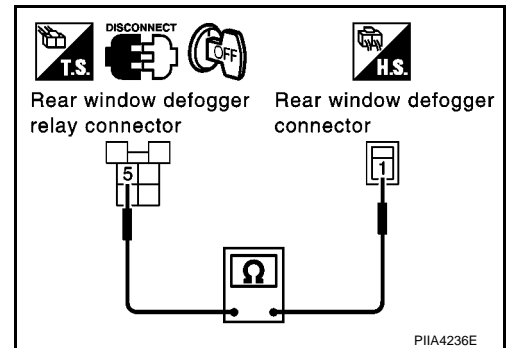
## 5. CHECK HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Disconnect rear window defogger relay.
3. Check continuity between rear window defogger relay connector B7 terminal 5 and rear window defogger connector B25 or D85 terminal 1.

**5 (L/R) – 1 (L/R) : Continuity should exist.**

OK or NG

- OK >> Check the condition of the harness and the connector.
- NG >> Repair or replace harness rear window defogger relay and rear window defogger.





# REAR WINDOW DEFOGGER

EIS0060Z

## Door Mirror Defogger Power Supply Circuit Check

### 1. CHECK FUSE

- Check 10A fuse [No.23, located in the fuse block (J/B)]

#### NOTE:

Refer to [GW-16, "Component Parts and Harness Connector Location"](#).

OK or NG

OK >> GO TO 2.

NG >> If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse. Refer to [PG-3, "POWER SUPPLY ROUTING"](#).

### 2. CHECK REAR WINDOW DEFOGGER RELAY

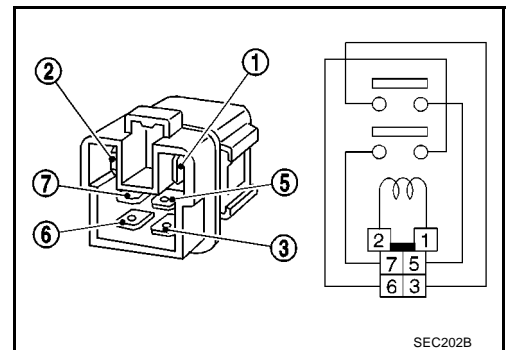
- Turn ignition switch OFF.
- Remove rear window defogger relay.
- Check continuity between rear window defogger terminals 6 and 7.

Terminal		Condition	Continuity
6	7	12V direct current supply between terminals 1 and 2	Yes
		No current supply	No

OK or NG

OK >> GO TO 3.

NG >> Replace rear window defogger relay.



### 3. CHECK HARNESS CONTINUITY

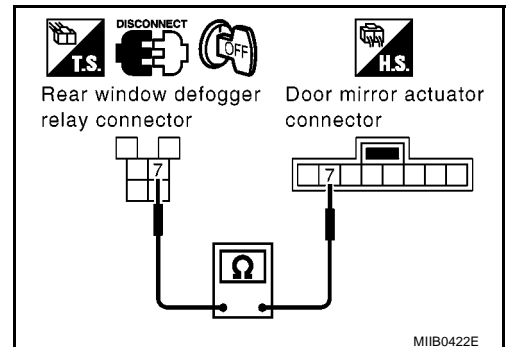
Check continuity between rear window defogger relay connector B7 terminal 7 and door mirror actuator connector D3 (driver side) or D32 (passenger side) terminal 7.

**7 (G/R) – 7 (G/Y or G/R) : Continuity should exist.**

OK or NG

OK >> GO TO 5.

NG >> Repair or replace harness between rear window defogger relay and malfunction door mirror actuator connector.



### 4. CHECK GROUND CIRCUIT

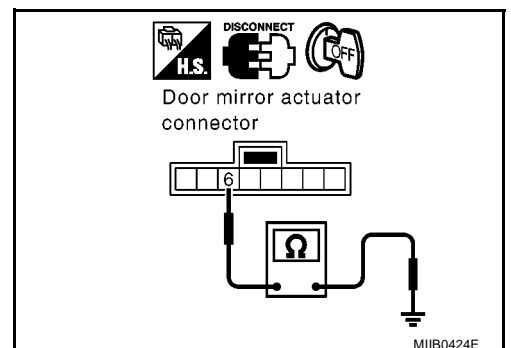
Check continuity between door mirror actuator connector D3 (driver side), D32 (passenger side) terminal 6 and ground.

**6 (B) – Ground : Continuity should exist.**

OK or NG

OK >> GO TO 6.

NG >> Repair or replace harness.





## REAR WINDOW DEFOGGER

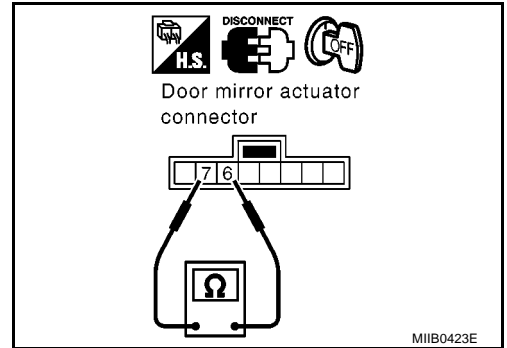
### 5. CHECK DOOR MIRROR DEFOGGER

1. Connector door mirror connector.
2. Check continuity between each door mirror connector D3 (driver side), D32 (passenger side) terminals 6 and 7.

**6 (B) – 7 (G/Y or G/R) : Continuity should exist.**

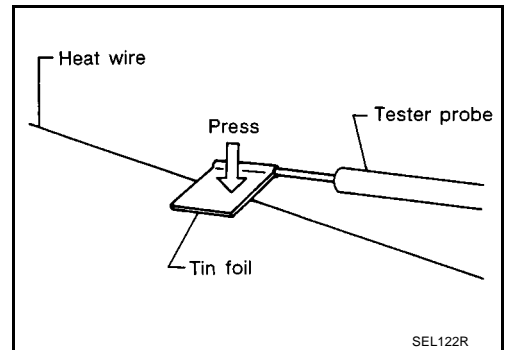
OK or NG

- OK >> Check the condition of the harness and the connector.  
NG >> Replace malfunctioning door mirror actuator.

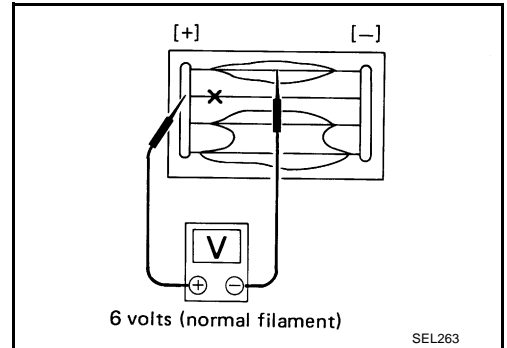


### Electrical Components Inspection FILAMENT CHECK

1. When measuring voltage, wrap tin foil around the top of the negative probe. Then press the foil against the wire with your finger.



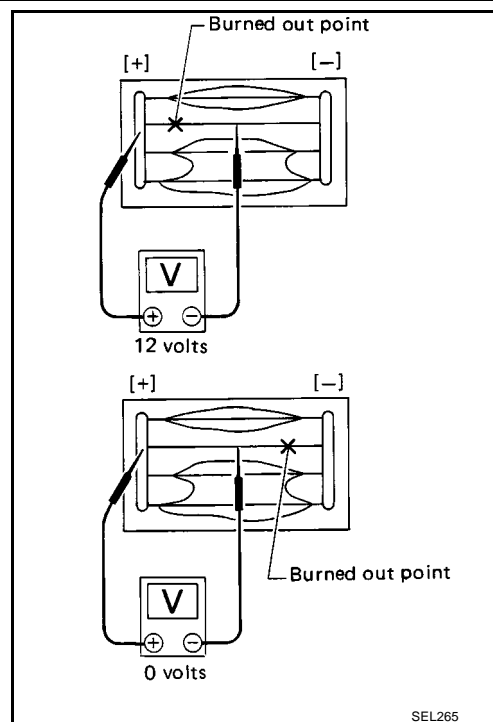
2. Attach probe circuit tester (in Volt range) to middle portion of each filament.





## REAR WINDOW DEFOGGER

3. If a filament is burned out, circuit tester registers 0 or battery voltage.
4. To locate burned out point, move probe to left and right along filament. Test needle will swing abruptly when probe passes the point.



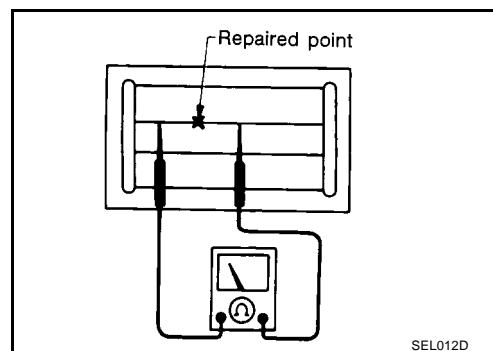
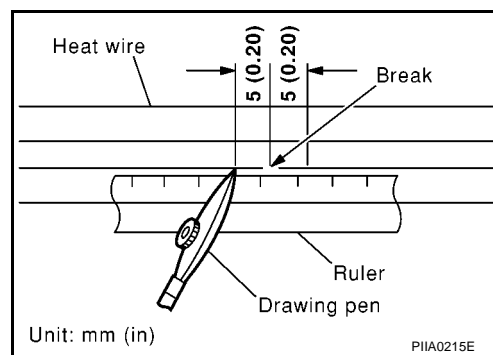
### FILAMENT REPAIR

#### Repair Equipment

- Conductive silver composition (Dupont NO. 4817 or equivalent)
- Ruler 30 cm (11.8 in) long
- Drawing pen
- Heat gun
- Alcohol
- Cloth

#### Repairing Procedure

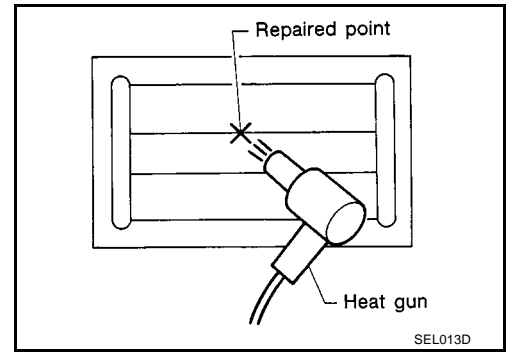
1. Wipe broken heat wire and its surrounding area clean with a cloth dampened alcohol.
2. Apply a small amount of conductive silver composition to tip of drawing pen. Shake silver composition container before use.
3. Place ruler on glass along broken line. Deposit conductive silver composition on break with drawing pen. Slightly overlap existing heat wire on both sides [preferably 5 mm (0.20 in)] of the break.
4. After repair has been completed, check repaired wire for continuity. This check should be conducted 10 minutes after silver composition is deposited. Do not touch repaired area while test is being conducted.





## REAR WINDOW DEFOGGER

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



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GW

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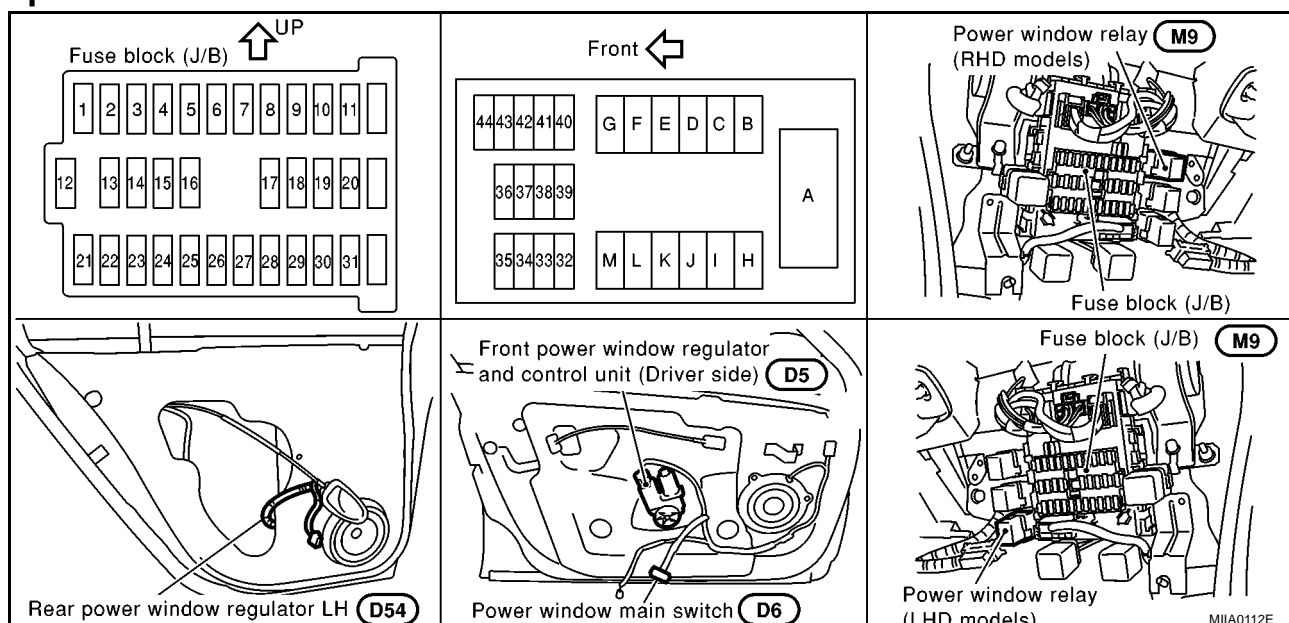


## POWER WINDOW SYSTEM

PFP:25401

### Component Parts and Harness Connector Location

EIS005K6



### System Description

EIS005K7

Power is supplied at all times

- through 40A fusible link (letter **B**, located in the fuse and fusible link box)
- through circuit breaker-1 terminal 1
- through circuit breaker-1 terminal 2
- to power window relay terminal 5.
- through circuit breaker-2 terminal 1
- through circuit breaker-2 terminal 2
- to front power window regulator and control unit terminal 3.

With ignition switch in ON or START position, power is supplied

- through 10A fuse [No. 10, located in the fuse block (J/B)]
- to power window relay terminal 1 or 2.
- through 10A fuse [No. 20, located in the fuse block (J/B)]
- to front power window regulator and control unit terminal 1.

Ground is supplied

- to power window relay terminal 1 or 2
- through body grounds M16, M50 and M70.
- to front power window regulator and control unit terminal 4
- through body grounds M16, M50 and M70.
- to power window main switch terminal 3
- through body grounds M16, M50 and M70.

The power window relay is energized and power is supplied

- through power window relay terminal 3
- to power window main switch terminal 2,
- to passenger side power window switch terminal 2,
- to rear power window switch LH and RH terminals 2 (LHD models).

When the unlock switch in the power window main switch is on, the rear power window relay (RHD models) is energized and power is supplied

Ground is supplied

- to rear power window switch LH and RH terminals 2.



# POWER WINDOW SYSTEM

- through rear power window relay terminal 3 (RHD models)

## MANUAL OPERATION

### Front Door (Driver Side)

#### WINDOW UP

When the driver's window switch in the power window main switch is pressed in the up position, Ground is supplied

- to driver side power window regulator and control unit terminal 5
- through power window main switch terminal 4
- through power window main switch terminal 3.

Then, the motor raises the window until the switch is released.

#### WINDOW DOWN

When the driver's window switch in the power window main switch is pressed in the down position, Ground is supplied

- to driver side power window regulator and control unit terminal 6
- through power window main switch terminal 5
- through power window main switch terminal 3.

Then, the motor lowers the window until the switch is released.

### Front Door (Passenger Side)

#### NOTE:

Numbers in parentheses are terminal numbers, when power window switch is pressed in the UP and DOWN positions respectively.

#### POWER WINDOW MAIN SWITCH OPERATION

Power is supplied

- through power window main switch (6, 7)
- to passenger side power window switch (6, 7).

Ground is supplied

- to power window main switch terminal (6, 7)
- through power window main switch terminal 3
- through body ground M16, M50 and M70.

The subsequent operation is the same as the passenger side power window switch operation.

#### PASSENGER SIDE POWER WINDOW SWITCH OPERATION

Power is supplied

- through passenger side power window switch (4, 5)
- to passenger side power window regulator (2, 1).

Ground is supplied

- to passenger side power window regulator (1, 2)
- through passenger side power window switch (4, 5)
- through passenger side power window switch (6, 7)
- through power window main switch (6, 7).

Then, the motor raises or lowers the window until the switch is released.

### Rear Door

Rear door windows will raise and lower in the same manner as passenger's door window.

## AUTO OPERATION

The power window AUTO feature enables the driver to open or close the driver's window without holding the window switch in the down or up position.

The AUTO feature operates on the driver's window.

## POWER WINDOW LOCK

The power window lock is designed to lock operation of all windows except for driver's window.

When the lock switch is pressed to pressed to lock position, ground of the sub-switches in the power window main switch is disconnected. This prevents the power window motors from operating.

A

B

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GW

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# POWER WINDOW SYSTEM

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## TIME FUNCTION

With the timer function, driver power window can be operated for approximately 15 minutes after ignition switch is turned OFF (positions other than ON). However, the timer will be reset when a specific signal, such as driver door open (door switch ON) → close (door switch OFF), or ignition switch OFF → ON, is input.

## DRIVER WINDOW ANTI-PINCH FUNCTION

During raising operation of driver power window, if door control module detects that foreign object is pinched, power window lowers approximately 150 mm (5.91 in).

### NOTE:

Depending on environment and driving conditions, if a similar impact or load is applied to power window, it may lower.

## Operation Conditions

- Driver door window is between fully-open and just before fully-closed position (when the limit switch is ON).
- During automatic operation when ignition switch is turned ON.
- During automatic or manual operation when ignition switch is other than ON position (when the timer operates).



A  
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GW  
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L  
M

## EIS005K8



MKWA0652E



# POWER WINDOW SYSTEM

## Wiring Diagram – WINDOW – (LHD models)

EIS005K9

### GW-WINDOW-01

- ⬡G : WITH GASOLINE ENGINE
- ⬡F9 : WITH F9Q ENGINE
- ⬡XF : EXCEPT ⬡F9
- ⬡RP : WITH REAR POWER WINDOW

\*1 2: ⬡F9

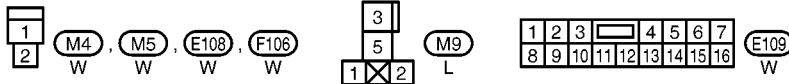
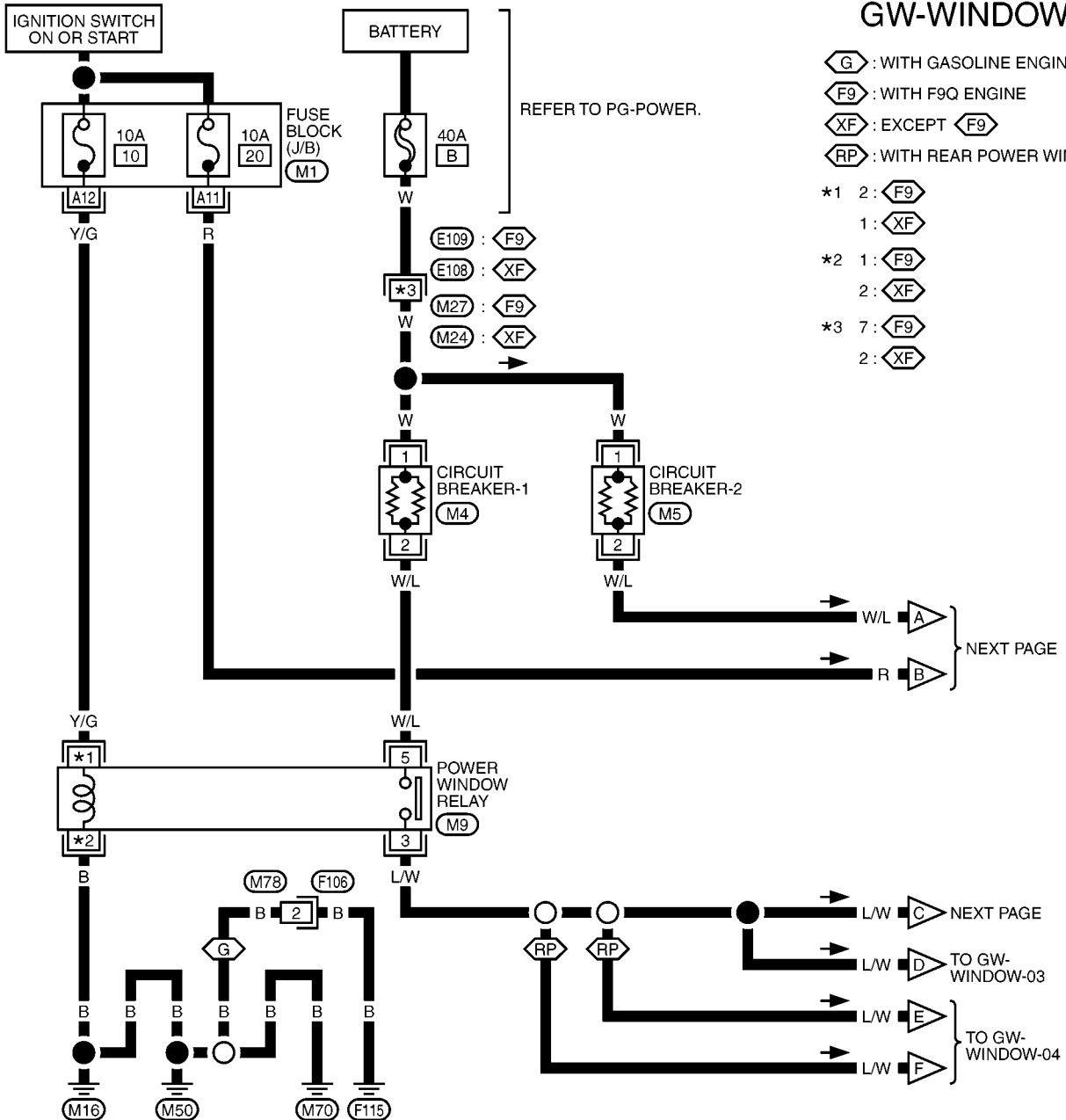
1: ⬡XF

\*2 1: ⬡F9

2: ⬡XF

\*3 7: ⬡F9

2: ⬡XF



REFER TO THE FOLLOWING.

⬡M1 - FUSE BLOCK-JUNCTION BOX (J/B)

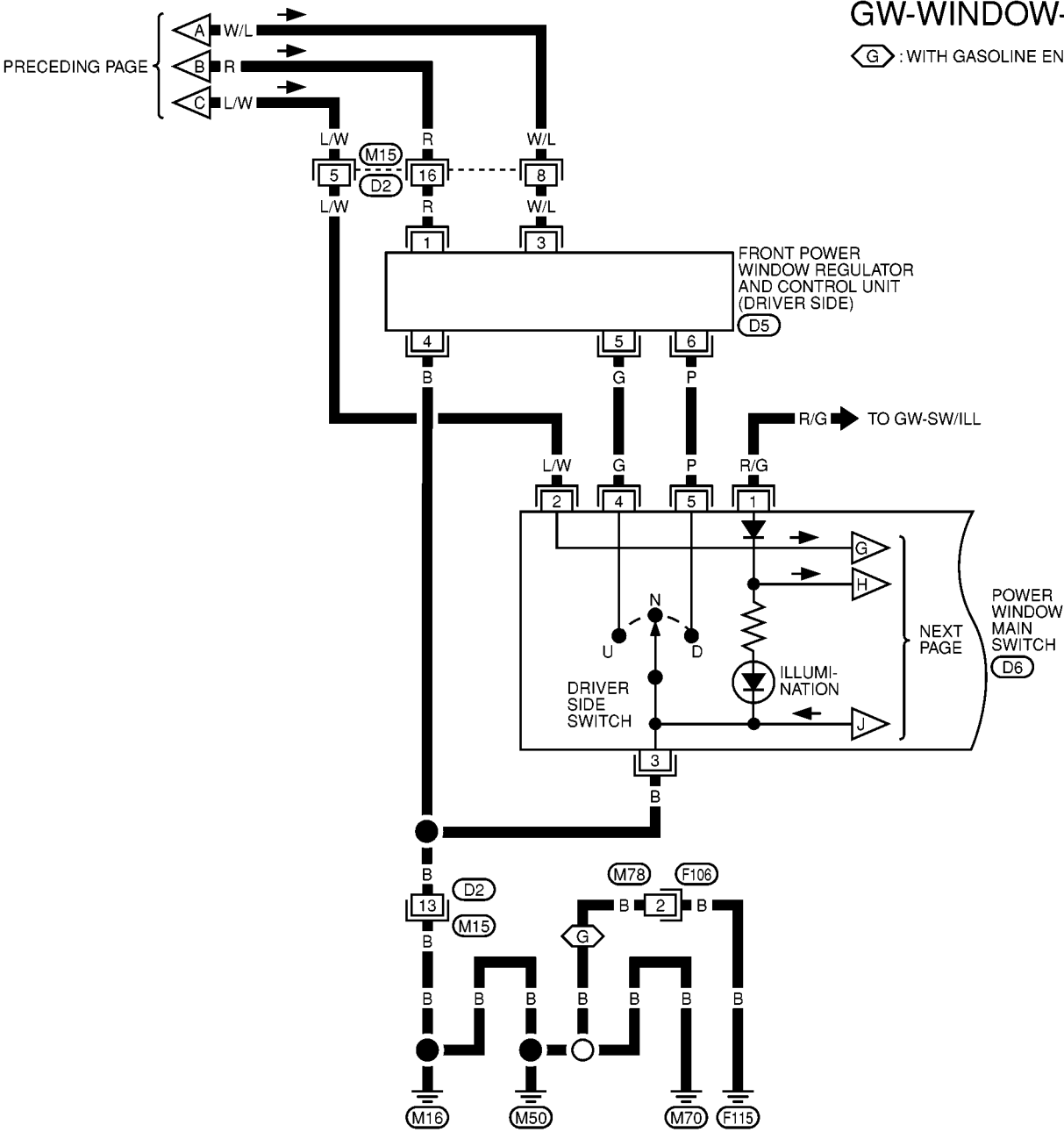
MKWA0984E



POWER WINDOW SYSTEM

GW-WINDOW-02

(G) : WITH GASOLINE ENGINE



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

M15  
W

1	2	3	4	5	6
---	---	---	---	---	---

D5

9	8	11	4	10
2	7	6	3	12

D6  
W

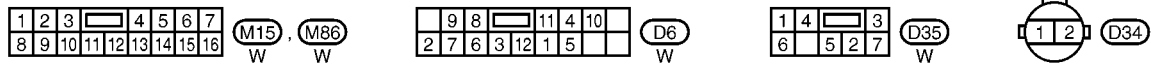
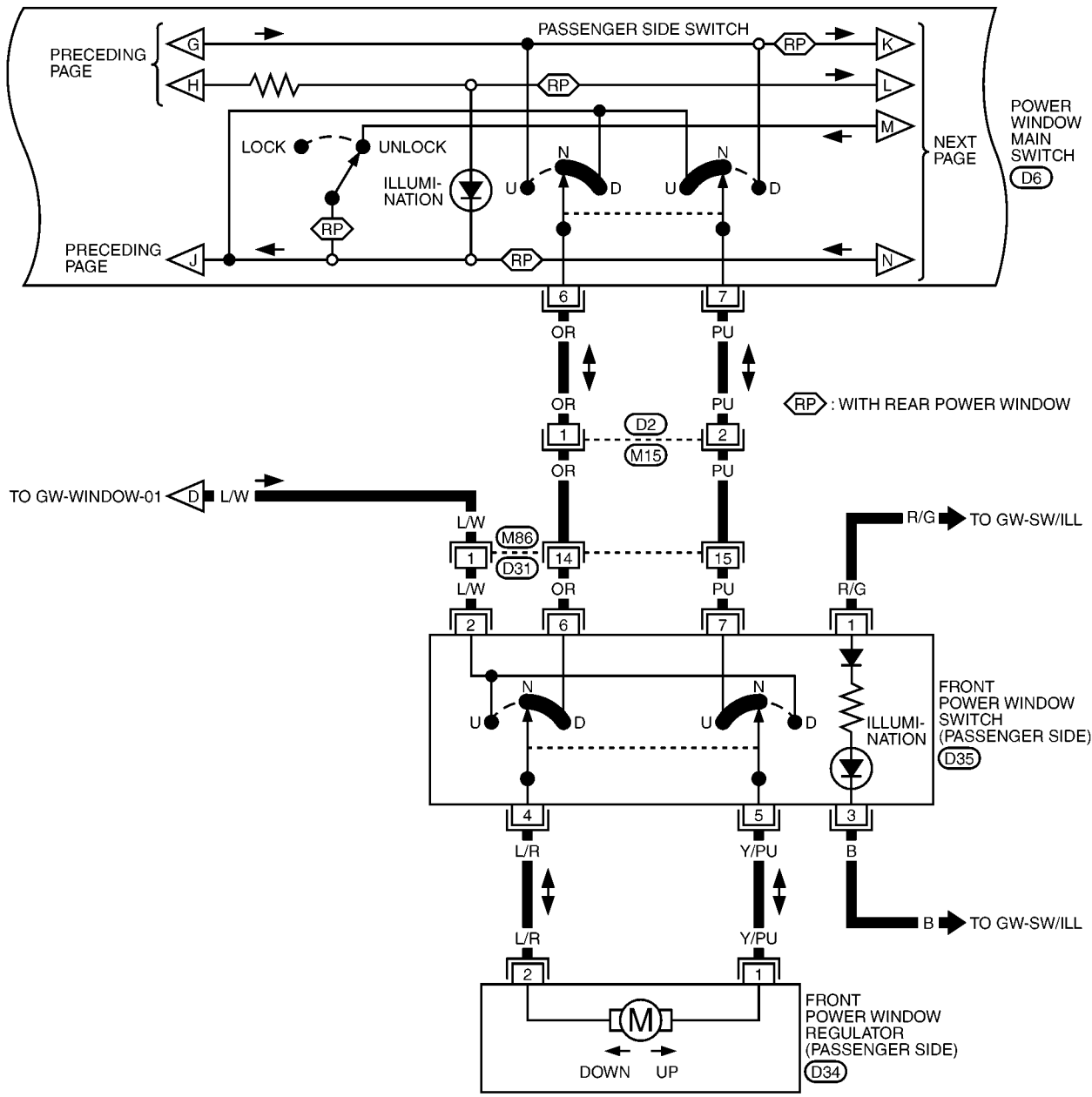
1
2

F106  
W



POWER WINDOW SYSTEM

GW-WINDOW-03

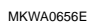




A  
B  
C  
D  
E  
F  
G  
H  
GW  
J  
K  
L  
M



## EIS005KA





# POWER WINDOW SYSTEM

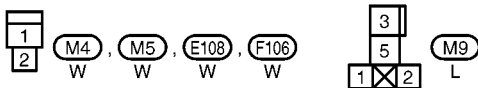
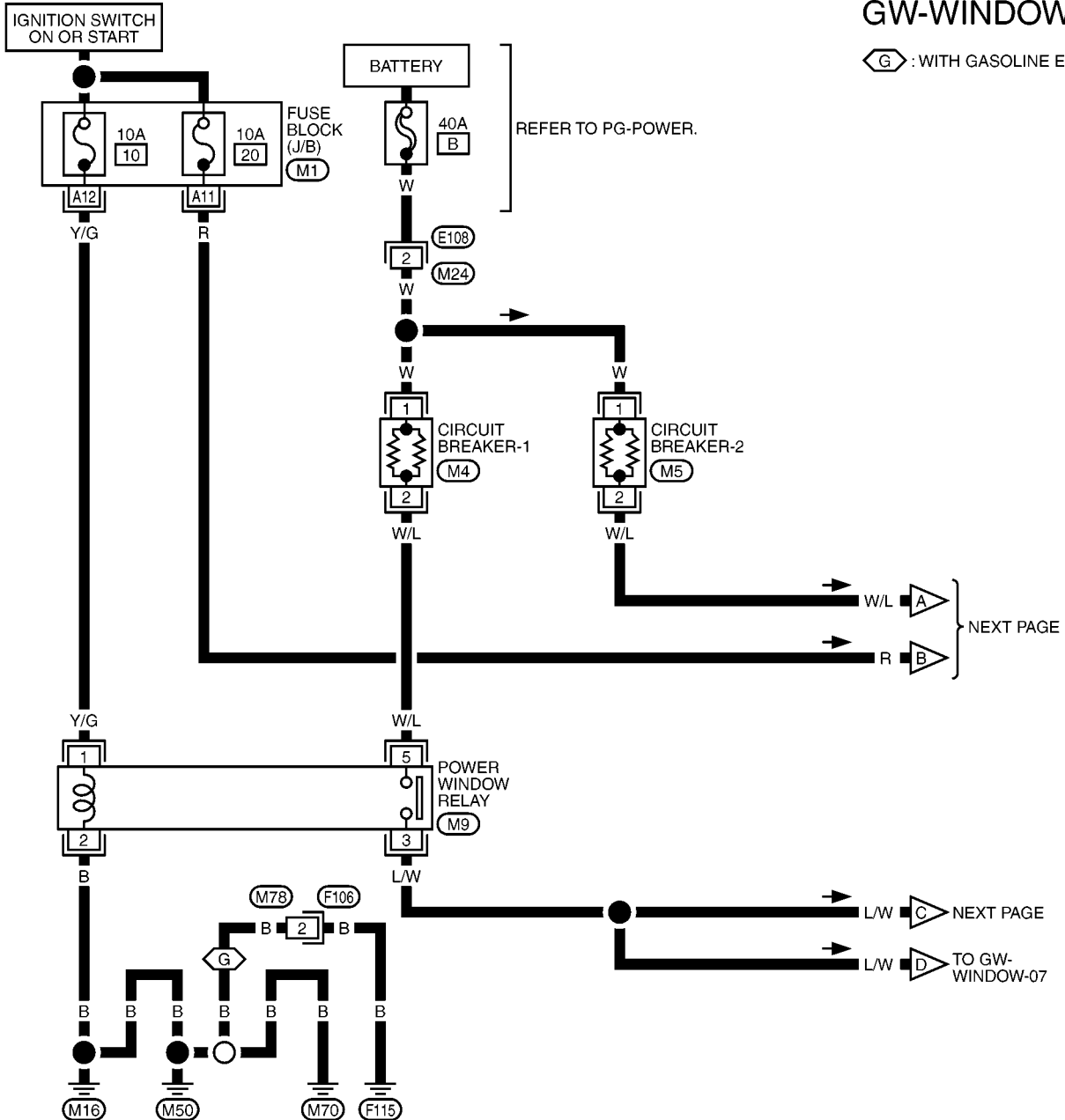
## Wiring Diagram – WINDOW – (RHD models)

EIS005KB

### GW-WINDOW-05

⬡G⬡ : WITH GASOLINE ENGINE

A  
B  
C  
D  
E  
F  
G  
H  
GW  
J  
K  
L  
M



REFER TO THE FOLLOWING.

⬡M1⬡ -FUSE BLOCK-JUNCTION BOX (J/B)

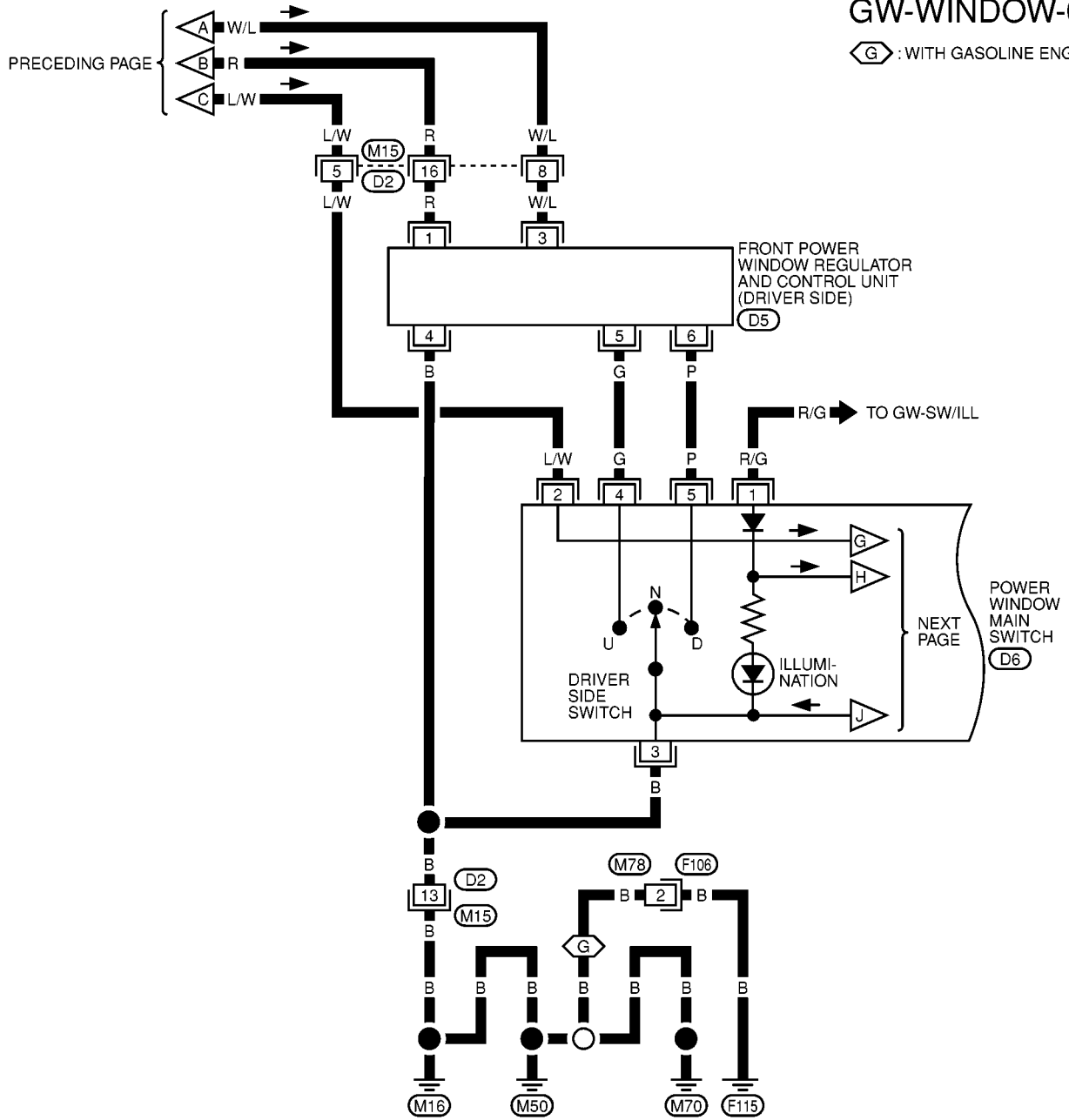
MKWA0986E



## POWER WINDOW SYSTEM

GW-WINDOW-06

 : WITH GASOLINE ENGINE



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

M15

  
W

1 2 3 4 5 6 (D5)

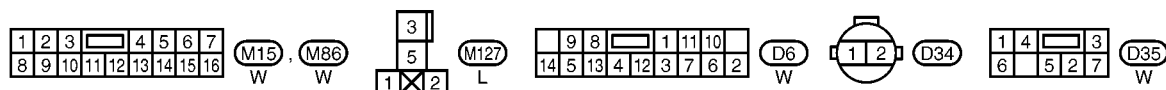
	9	8		1	11	10		
14	5	13	4	12	3	7	6	2

D6

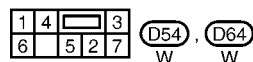
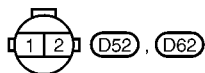
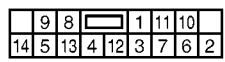
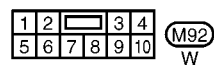
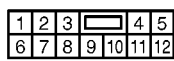
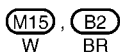
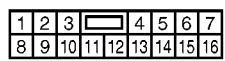
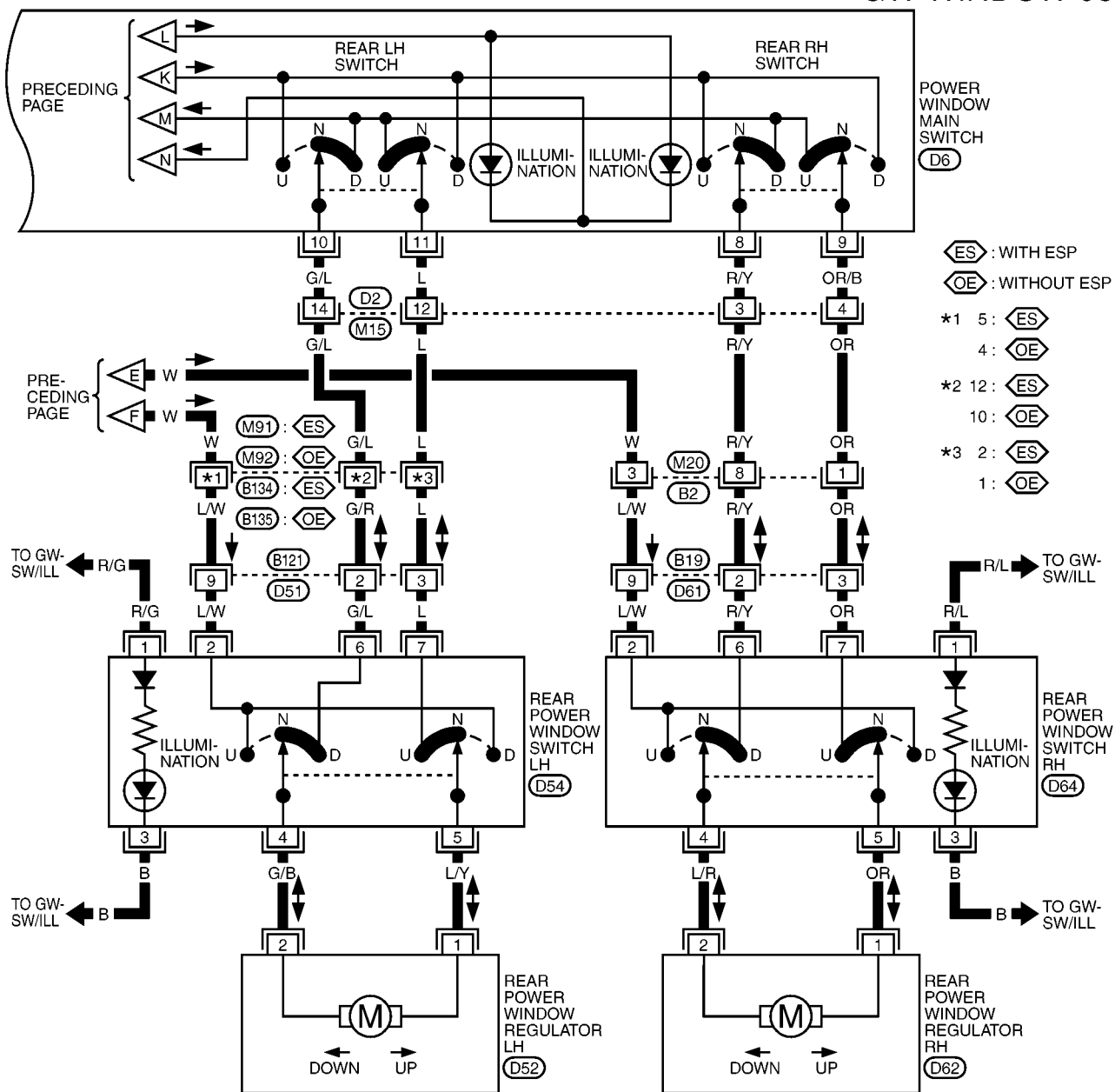
  
W



## GW-WINDOW-07









# POWER WINDOW SYSTEM

## Terminal and Reference Value for Power Window Main Switch

EIS005KC

Terminal	Wire color	Item	Condition	Voltage (V) (Approx.)
2	L/W	IGN power supply	Ignition switch (ON or START position)	Battery voltage
4	G	Driver power window motor UP signal	When UP operation	Battery voltage
			Other than above	0
5	P	Driver power window motor DOWN signal	When DOWN operation	Battery voltage
			Other than above	0
6	OR	Passenger power window UP signal	Main switch passenger switch UP operation	Battery voltage
			Main switch passenger switch DOWN operation	0
			Other than above	0
7	PU	Passenger power window DOWN signal	Main switch passenger switch UP operation	0
			Main switch passenger switch DOWN operation	Battery voltage
			Other than above	0
8	R/Y	Rear RH power window UP signal	Main switch rear RH switch UP operation	Battery voltage
			Main switch rear RH switch DOWN operation	0
			Other than above	0
9	OR/B	Rear RH power window DOWN signal	Main switch rear RH switch UP operation	0
			Main switch rear RH switch DOWN operation	Battery voltage
			Other than above	0
10	G/L	Rear LH power window UP signal	Main switch rear LH switch UP operation	Battery voltage
			Main switch rear LH switch DOWN operation	0
			Other than above	0
11	L	Rear LH power window DOWN signal	Main switch rear LH switch UP operation	0
			Main switch rear LH switch DOWN operation	Battery voltage
			Other than above	0
14	W/G	Rear power window relay ground (RHD models only)	—	0

## Terminal and Reference Value for Each Door's Power Window Switch

EIS005KD

Terminal	Wire color	Item	Condition	Voltage (V) (Approx.)
2	L/W	IGN power supply	Ignition switch (ON or START position)	Battery voltage
4	L/R G/B	Power window motor UP signal	When UP operation	Battery voltage
			Other than above	0
5	Y/PU L/Y O/R	Power window motor DOWN signal	When DOWN operation	Battery voltage
			Other than above	0



# POWER WINDOW SYSTEM

Terminal	Wire color	Item	Condition	Voltage (V) (Approx.)
6	OR G/L R/Y	Power window DOWN signal from power window main switch	Power window main switch UP operation	Battery voltage
			Power window main switch DOWN operation	0
			Other than above	0
7	PU L OR	Power window UP signal from power window main switch	Power window main switch UP operation	0
			Power window main switch DOWN operation	Battery voltage
			Other than above	0

## Work Flow

EIS00610

1. Check the symptom and customer's requests.
2. Understand the outline of system. Refer to [GW-38, "System Description"](#)
3. According to the trouble diagnosis chart, repair or replace the cause of the malfunction.  
Refer to [GW-52, "Trouble Diagnosis Symptom Chart"](#)
4. Does power window system operate normally? Yes, GO TO 5, No, GO TO 3.
5. INSPECTION END.

## Trouble Diagnosis Symptom Chart

EIS0061D

Symptom	Diagnosis / service procedure	Refer to page
None of the power window can be operated using and switch	1. Power window relay power supply and ground circuit check.	<a href="#">GW-53</a>
	2. Power window main switch power supply and ground circuit check.	<a href="#">GW-55</a>
Driver side power window cannot be operated	1. Driver side power window regulator check.	<a href="#">GW-56</a>
Passenger side power window cannot be operated	1. Passenger side power window motor circuit check	<a href="#">GW-58</a>
	2. Power window switch check 1	<a href="#">GW-62</a>
	3. passenger side power window circuit check	<a href="#">GW-60</a>
Rear LH side power window cannot be operated	1. Rear LH power window motor circuit check	<a href="#">GW-58</a>
	2. Power window switch check 1 (LHD models)	<a href="#">GW-62</a>
	2. Power window switch check 2 (RHD models)	<a href="#">GW-63</a>
	3. Rear LH power window circuit check	<a href="#">GW-60</a>
Rear RH side power window cannot be operated	1. Rear RH power window motor circuit check	<a href="#">GW-59</a>
	2. Power window switch check 1 (LHD models)	<a href="#">GW-62</a>
	2. Power window switch check 2 (RHD models)	<a href="#">GW-63</a>
	3. Rear RH power window circuit check	<a href="#">GW-61</a>
Rear power window cannot be operated (RHD models only)	1. Rear power window relay power supply and ground circuit check.	<a href="#">GW-54</a>
Power window does not operate using power window switch. (Power window can be operated using power window main switch)	1. Power window switch check 1	<a href="#">GW-62</a>
	1. Power window switch check 2 (RHD models rear side)	<a href="#">GW-63</a>
Anti-pinch system does not operate normal	Replace front power window regulator and control unit (driver side)	—
Power window timer does not operated		



# POWER WINDOW SYSTEM

## Power Window Relay Power Supply and Ground Circuit Check

EIS00619

### 1. CHECK FUSE

- Check 10A fuse [No.10, located in fuse block (J/B)]

#### NOTE:

Refer to [GW-38, "Component Parts and Harness Connector Location"](#)

#### OK or NG

OK >> GO TO 2.

NG >> If fuse is blown out, be sure to eliminate cause of malfunction before installing new fuse, Refer to [PG-3, "POWER SUPPLY ROUTING"](#)

### 2. CHECK POWER WINDOW RELAY POWER SUPPLY

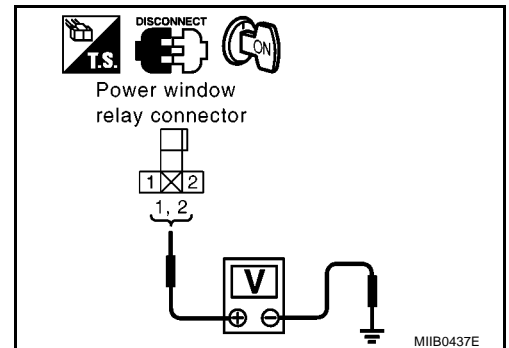
- Turn ignition switch OFF.
- Remove power window relay.
- Turn ignition switch ON.
- Check voltage between power window relay connector M9 terminal 1 or 2 and ground.

**1 or 2 (Y/G) – Ground : Battery voltage**

#### OK or NG

OK >> GO TO 3.

NG >> Repair or replace harness between fuse and power window relay.



### 3. CHECK POWER WINDOW RELAY GROUND CIRCUIT

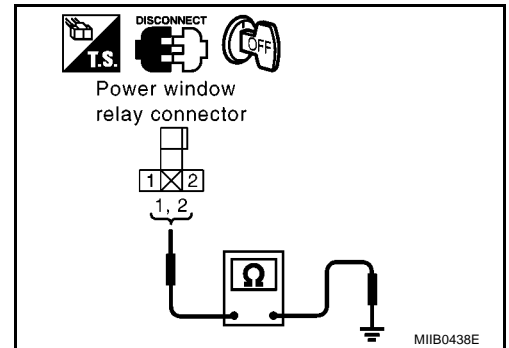
- Turn ignition switch OFF.
- Check continuity between power window relay connector M9 terminal 1 or 2 and ground.

**1 or 2 (B) – Ground : Continuity should exist.**

#### OK or NG

OK >> GO TO 4.

NG >> Repair or replace harness.



### 4. CHECK POWER WINDOW RELAY

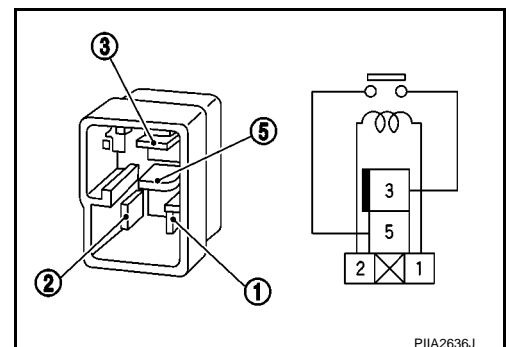
Check continuity between power window relay terminal 3 and 5.

Terminal		Condition	Continuity
3	5	12V direct current supply between 1 and 2.	Yes
		Other than above	No

#### OK or NG

OK >> GO TO 5.

NG >> Replace power window relay.





# POWER WINDOW SYSTEM

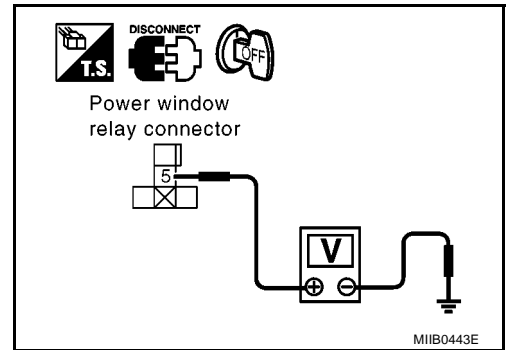
## 5. CHECK POWER WINDOW RELAY POWER SUPPLY

Check voltage between power window relay connector M9 terminal 5 and ground.

**5 (W/L) – Ground : Battery voltage**

OK or NG

- OK >> Power window relay power supply and ground circuit are OK.
- NG >> Check the following.
- Check 40A fusible link (letter B located in fuse and fusible link box.)
  - Condition of circuit breaker-1.
  - Check harness continuity between fuse and power window relay.



## Rear Power Window Relay Power Supply and Ground Circuit Check

E/S0061A

### 1. CHECK REAR POWER WINDOW RELAY POWER SUPPLY

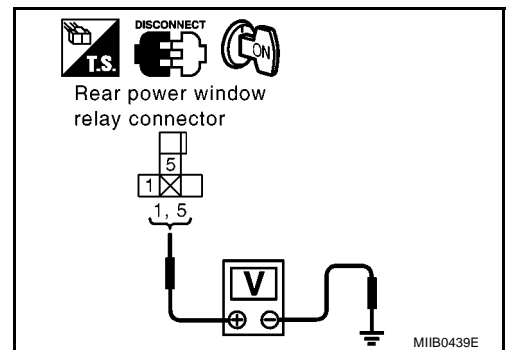
1. Turn ignition switch OFF.
2. Remove rear power window relay.
3. Turn ignition switch ON.
4. Check voltage between rear power window relay connector M127 terminal 1, 5 and ground.

**1 (L/W) – Ground : Battery voltage**

**5 (L/W) – Ground : Battery voltage**

OK or NG

- OK >> GO TO 2.
- NG >> Check harness continuity between fuse and rear power window relay.



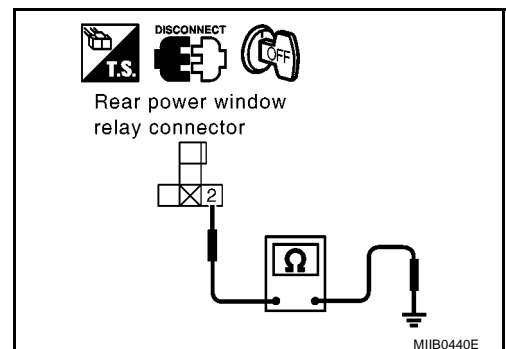
### 2. CHECK REAR POWER WINDOW RELAY GROUND CIRCUIT

Check continuity between rear power window connector M127 terminal 2 and ground.

**2 (W/G) – Ground : Continuity should exist.**

OK or NG

- OK >> GO TO 5.
- NG >> GO TO 3.





# POWER WINDOW SYSTEM

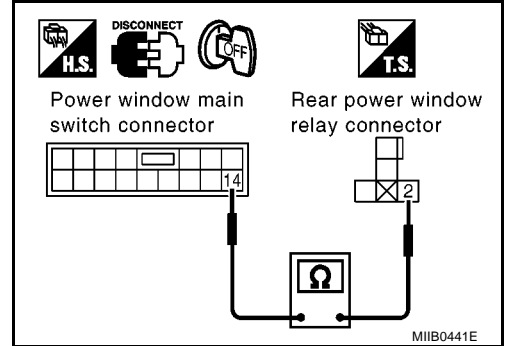
## 3. CHECK HARNESS CONTINUITY

1. Disconnect power window main switch connector.
2. Check continuity between power window main switch connector D6 terminal 14 and rear power window relay connector M127 terminal 2.

**14 (W/G) – 2 (W/G) : Continuity should exist.**

OK or NG

- OK >> GO TO 4.  
NG >> Repair or replace harness between power window main switch and rear power window relay.



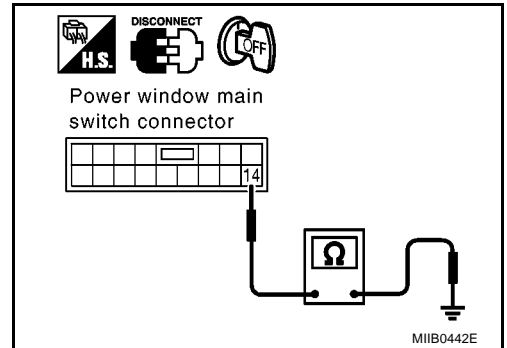
## 4. CHECK POWER WINDOW MAIN SWITCH GROUND CIRCUIT

1. Connect power window main switch connector.
2. Check continuity between power window main switch connector D6 terminal 14 and ground.

**14 (W/G) – Ground : Continuity should exist.**

OK or NG

- OK >> Check the condition of the harness and the connector.  
NG >> Replace power window main switch.



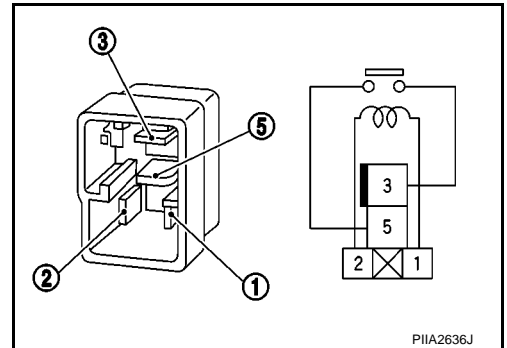
## 5. CHECK REAR POWER WINDOW RELAY

Check continuity between rear power window relay terminal 3 and 5.

Terminal	Condition	Continuity
3	12V direct current supply between 1 and 2.	Yes
5	Other than above	No

OK or NG

- OK >> Rear power window relay power supply and ground circuit are OK.  
NG >> Replace rear power window relay.



## Power Window Main Switch Power Supply and Ground Circuit Check

EIS0061B

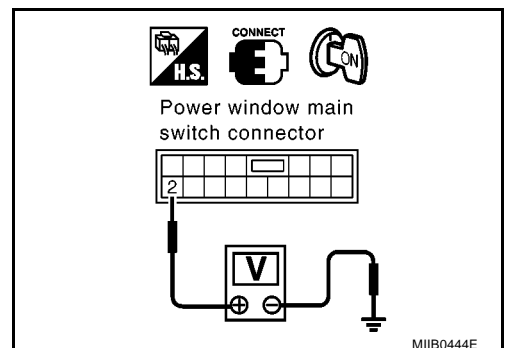
### 1. CHECK POWER WINDOW MAIN SWITCH POWER SUPPLY

1. Turn ignition switch ON.
2. Check voltage between power window main switch connector D6 terminal 2 and ground.

**2 (L/W) – Ground : Battery voltage**

OK or NG

- OK >> GO TO 3.  
NG >> GO TO 2.





# POWER WINDOW SYSTEM

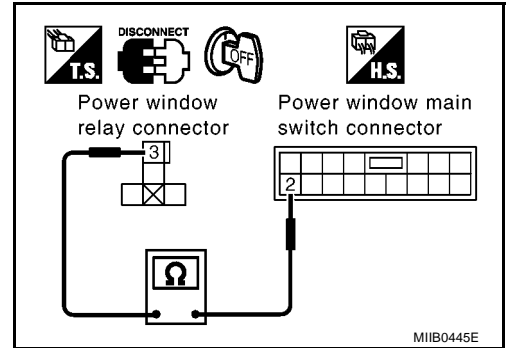
## 2. CHECK HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Remove power window relay.
3. Check continuity between power window relay connector M9 terminal 3 and power window main switch connector D6 terminal 2.

**3 (L/W) – 2 (L/W) : Continuity should exist.**

OK or NG

- OK >> Check the condition of the connector and the harness.  
NG >> Repair or replace harness between power window relay and power window main switch.



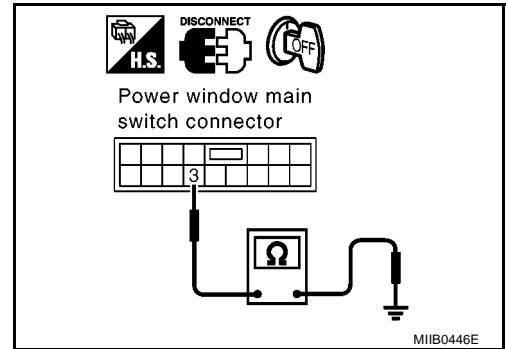
## 3. CHECK POWER WINDOW MAIN SWITCH GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect power window main switch connector.
3. Check continuity between power window main switch connector D6 terminal 3 and ground.

**3 (B) – Ground : Continuity should exist.**

OK or NG

- OK >> Power window main switch power supply and ground circuit are OK.  
NG >> Repair or replace harness.



## Driver Side Power Window Regulator Check

### 1. CHECK POWER WINDOW REGULATOR POWER SUPPLY

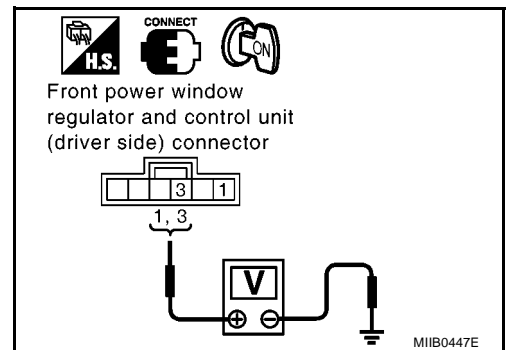
1. Turn ignition switch ON.
2. Check voltage between front power window regulator and control unit (driver side) connector D5 terminal 1, 3 and ground.

**1 (R) – Ground : Battery voltage**

**3 (W/L) – Ground : Battery voltage**

OK or NG

- OK >> GO TO 2.  
NG >> Check the following.
- Check 10A fuse [No.20, located in fuse block (J/B)]
  - Check 40A fusible link (letter B located in fuse and fusible link)
  - Condition of circuit breaker-2
  - Check harness continuity between fuse and front power window regulator and control unit (driver side)





# POWER WINDOW SYSTEM

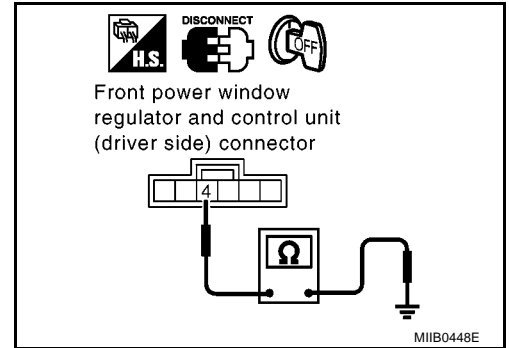
## 2. CHECK POWER WINDOW REGULATOR GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect front power window regulator and control unit (driver side) connector.
3. Check continuity between power window regulator and control unit (driver side) connector D5 terminal 4 and ground.

**4 (B) – Ground : Continuity should exist.**

OK or NG

- OK >> GO TO 3.  
NG >> Repair or replace harness.



## 3. CHECK HARNESS CONTINUITY

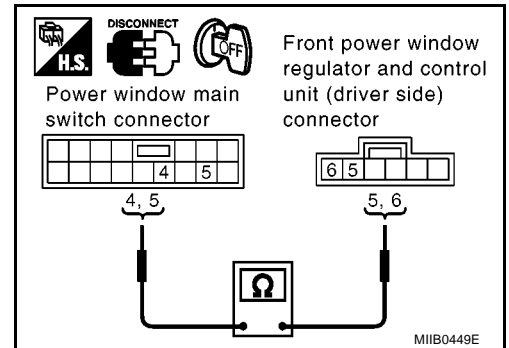
1. Disconnect power window main switch connector.
2. Check continuity between power window main switch connector D6 terminal 4, 5 and front power window regulator and control unit (driver side) connector D5 terminal 5, 6.

**4 (G) – 5 (G) : Continuity should exist.**

**5 (P) – 6 (P) : Continuity should exist.**

OK or NG

- OK >> GO TO 4.  
NG >> Repair or replace harness between power window main switch and front power window regulator and control unit (driver side).



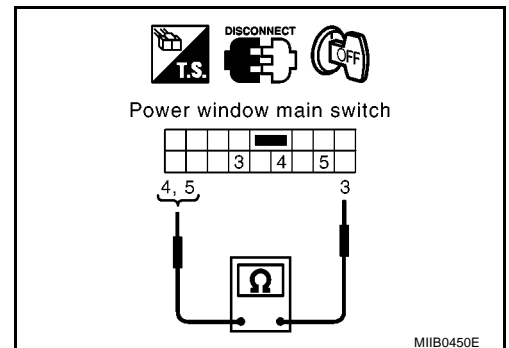
## 4. CHECK POWER WINDOW MAIN SWITCH

Power window main switch operate, check continuity between power window main switch terminal 4, 5 and 3.

Terminals		Condition	Continuity
4	3	Driver side switch UP	Yes
5		Driver side switch DOWN	

OK or NG

- OK >> Check the condition of the harness and the connector.  
NG >> Replace power window main switch.





# POWER WINDOW SYSTEM

## Passenger Side Power Window Motor Circuit Check

EIS00611

### 1. CHECK PASSENGER SIDE POWER WINDOW SWITCH OUTPUT SIGNAL

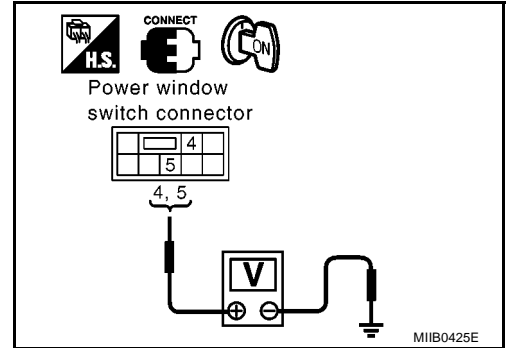
1. Turn ignition switch ON.
2. Power window main switch operate, check voltage between front power window switch (passenger side) connector and ground.

Connector	Terminals (Wire color)		Condition	Voltage (V) (Approx.)
	(+)	(-)		
D35	4 (L/R)	Ground	Passenger side UP	Battery voltage
	5 (Y/PU)		Passenger side DOWN	

OK or NG

OK >> GO TO 2.

NG >> Check power window switch.



### 2. CHECK HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Disconnect front power window switch (passenger side) and front power window regulator (passenger side) connector.
3. Check continuity between front power window switch (passenger side) connector D35 terminal 4, 5 and front power window regulator (passenger side) connector D34 terminal 1, 2.

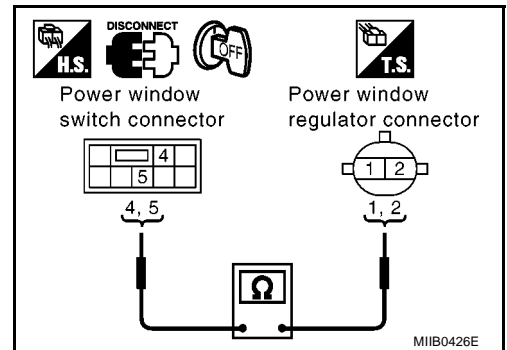
**4 (L/R) – 2 (L/R) : Continuity should exist.**

**5 (Y/PU) – 1 (Y/PU) : Continuity should exist.**

OK or NG

OK >> Replace front power window motor (passenger side)

NG >> Repair or replace harness between front power window switch (passenger side) and front power window regulator (passenger side).



## Rear LH Power Window Motor Circuit Check

EIS00612

### 1. CHECK REAR POWER WINDOW SWITCH LH OUTPUT SIGNAL

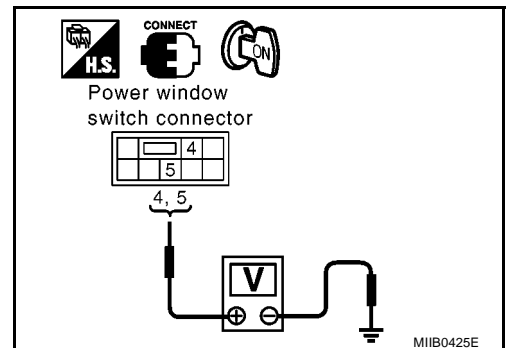
1. Turn ignition switch ON.
2. Power window main switch operate, check voltage between rear power window switch LH connector and ground.

Connector	Terminals (Wire color)		Condition	Voltage (V) (Approx.)
	(+)	(-)		
D54	4 (G/B)	Ground	Rear LH side UP	Battery voltage
	5 (L/Y)		Rear LH side DOWN	

OK or NG

OK >> GO TO 2.

NG >> Check power window switch.





# POWER WINDOW SYSTEM

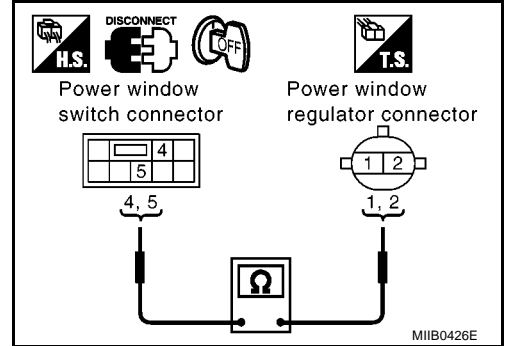
## 2. CHECK HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Disconnect rear power window switch LH and rear power window regulator LH connector.
3. Check continuity between rear power window switch LH connector D54 terminal 4, 5 and rear power window regulator LH connector D52 terminal 1, 2.

**4 (G/B) – 2 (G/B) : Continuity should exist.**  
**5 (L/Y) – 1 (L/Y) : Continuity should exist.**

OK or NG

- OK >> Replace rear power window motor LH.  
 NG >> Repair or replace harness between rear power window switch LH and rear power window regulator LH.



## Rear RH Power Window Motor Circuit Check

EIS00613

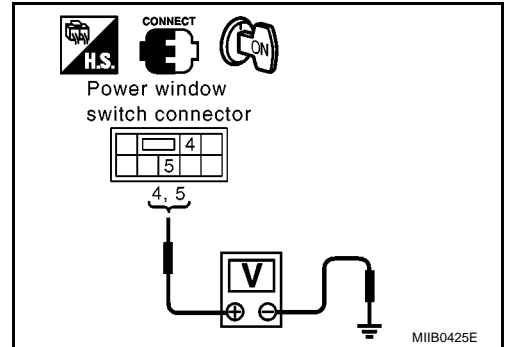
### 1. CHECK REAR POWER WINDOW SWITCH RH OUTPUT SIGNAL

1. Turn ignition switch ON.
2. Power window main switch operate, check voltage between rear power window switch RH connector and ground.

Connector	Terminals (Wire color)		Condition	Voltage (V) (Approx.)
	(+)	(-)		
D64	4 (L/R)	Ground	Rear RH side UP	Battery voltage
	5 (OR)		Rear RH side DOWN	

OK or NG

- OK >> GO TO 2.  
 NG >> Check power window switch.



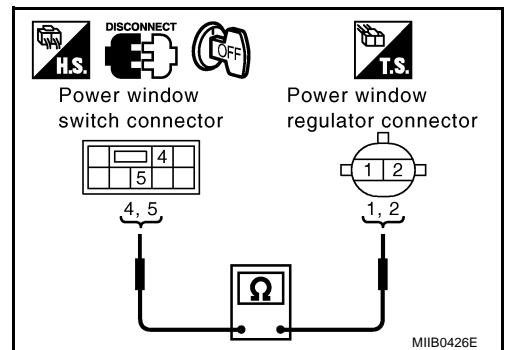
## 2. CHECK HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Disconnect rear power window switch RH and rear power window regulator RH connector.
3. Check continuity between rear power window switch RH connector D64 terminal 4, 5 and rear power window regulator RH connector D62 terminal 1, 2.

**4 (L/R) – 2 (L/R) : Continuity should exist.**  
**5 (OR) – 1 (OR) : Continuity should exist.**

OK or NG

- OK >> Replace rear power window motor RH.  
 NG >> Repair or replace harness between rear power window switch RH and rear power window regulator RH.





# POWER WINDOW SYSTEM

## Passenger Side Power Window Circuit Check

EIS00614

### 1. CHECK POWER WINDOW MAIN SWITCH OUTPUT SIGNAL

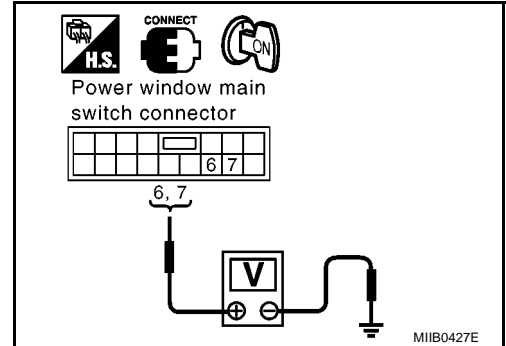
1. Turn ignition switch ON.
2. Power window main switch operate, check voltage between power window main switch connector and ground.

Connector	Terminals (Wire color)		Condition	Voltage (V) (Approx.)
	(+)	(-)		
D6	6 (OR)	Ground	Passenger side UP	Battery voltage
	7 (PU)		Passenger side DOWN	

OK or NG

OK >> GO TO 2.

NG >> Replace power window main switch.



### 2. CHECK HARNESS CONTIUIITY

1. Turn ignition switch OFF.
2. Disconnect power window main switch and front power window switch (passenger side) connector.
3. Check continuity between power window main switch connector D6 terminal 6, 7 and front power window switch (passenger side) connector D35 terminal 6, 7.

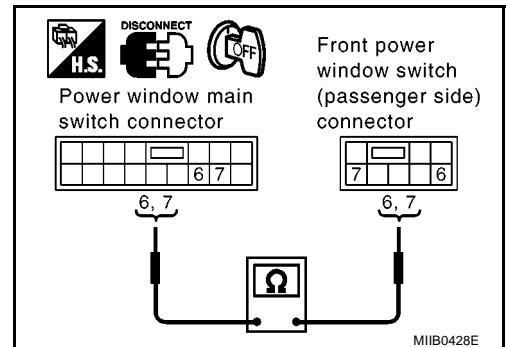
**6 (OR) – 6 (OR) : Continuity should exist.**

**7 (PU) – 7 (PU) : Continuity should exist.**

OK or NG

OK >> Check the condition of the harness and the connector.

NG >> Repair or replace harness between power window main switch and front power window switch (passenger side).



## Rear LH Power Window Circuit Check

EIS00615

### 1. CHECK POWER WINDOW MAIN SWITCH OUTPUT SIGNAL

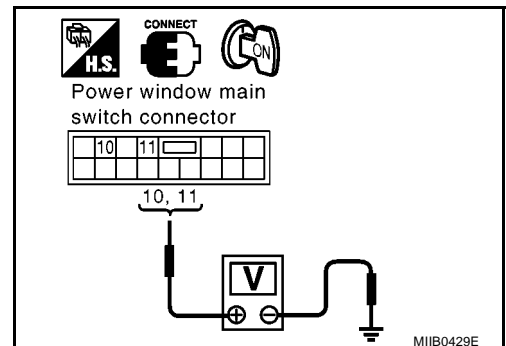
1. Turn ignition switch ON.
2. Power window main switch operate, check voltage between power window main switch connector and ground.

Connector	Terminals (Wire color)		Condition	Voltage (V) (Approx.)
	(+)	(-)		
D6	10 (G/L)	Ground	Rear LH side UP	Battery voltage
	11 (L)		Rear LH side DOWN	

OK or NG

OK >> GO TO 2.

NG >> Replace power window main switch.





# POWER WINDOW SYSTEM

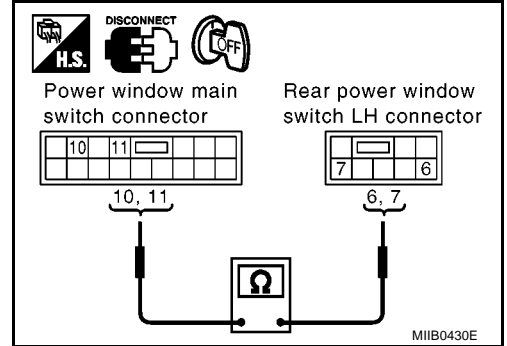
## 2. CHECK HARNESS CONTIUIITY

1. Turn ignition switch OFF.
2. Disconnect power window main switch and rear power window switch LH connector.
3. Check continuity between power window main switch connector D6 terminal 10, 11 and rear power window switch LH connector D54 terminal 6, 7.

**10 (G/L) – 6 (G/L) : Continuity should exist.**  
**11 (L) – 7 (L) : Continuity should exist.**

OK or NG

- OK >> Check the condition of the harness and the connector.  
 NG >> Repair or replace harness between power window main switch and rear power window switch LH.



## Rear RH Power Window Circuit Check

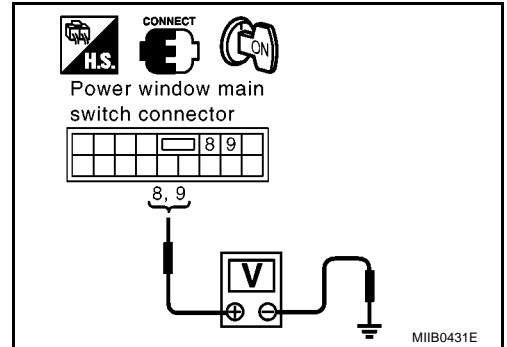
### 1. CHECK POWER WINDOW MAIN SWITCH OUTPUT SIGNAL

1. Turn ignition switch ON.
2. Power window main switch operate, check voltage between power window main switch connector and ground.

Connector	Terminals (Wire color)		Condition	Voltage (V) (Approx.)
	(+)	(-)		
D6	8 (R/Y)	Ground	Rear RH side UP	Battery voltage
	9 (OR/B)		Rear RH side DOWN	

OK or NG

- OK >> GO TO 2.  
 NG >> Replace power window main switch.



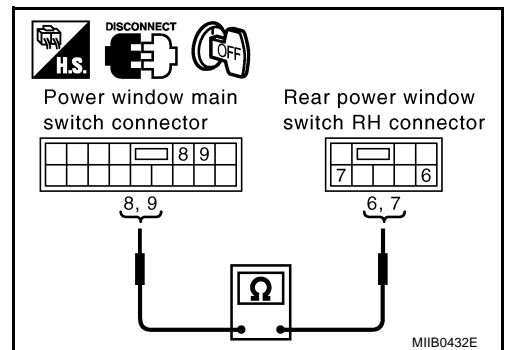
## 2. CHECK HARNESS CONTIUIITY

1. Turn ignition switch OFF.
2. Disconnect power window main switch and rear power window switch RH connector.
3. Check continuity between power window main switch connector D6 terminal 8, 9 and rear power window switch RH connector D64 terminal 6, 7.

**8 (R/Y) – 6 (R/Y) : Continuity should exist.**  
**9 (OR/B) – 7 (OR) : Continuity should exist.**

OK or NG

- OK >> Check the condition of the harness and the connector.  
 NG >> Repair or replace harness between power window main switch and rear power window switch RH.





# POWER WINDOW SYSTEM

EIS00617

## Power Window Switch Check 1

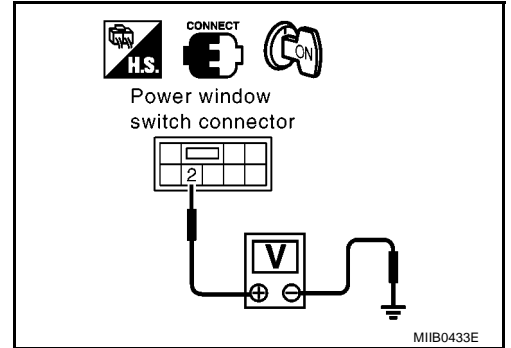
### 1. CHECK POWER WINDOW SWITCH POWER SUPPLY

1. Turn ignition switch ON.
2. Check voltage between malfunction power window switch terminal 2 and ground.

**2 (L/W) – Ground : Battery voltage**

OK or NG

- OK >> GO TO 3.  
NG >> GO TO 2.



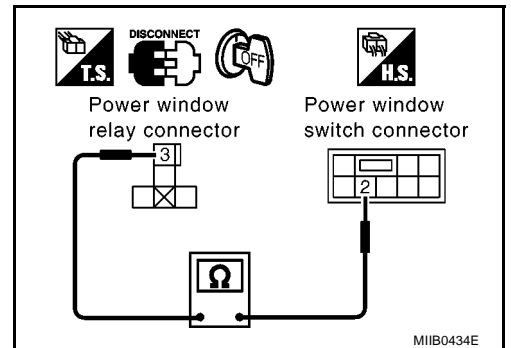
### 2. CHECK HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Disconnect power window relay, power window main switch and malfunction power window switch connector.
3. Check continuity between power window relay connector R9 terminal 3 and malfunction power window switch terminal 2.

**3 (L/W) – 2 (L/W) : Continuity should exist.**

OK or NG

- OK >> Check the condition of the harness and the connector.  
NG >> Repair or replace harness between power window relay and malfunction power window switch.



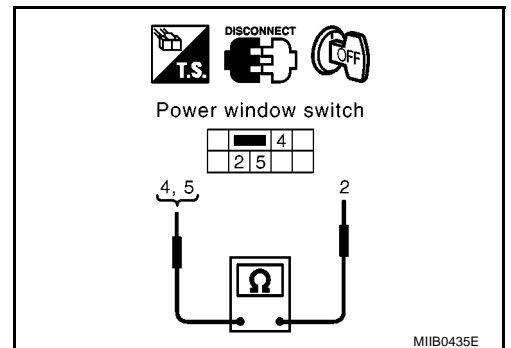
### 3. CHECK POWER WINDOW SWITCH

1. Turn ignition switch OFF.
2. Disconnect malfunction power window switch connector.
3. Malfunction power window switch operate, check continuity between malfunction power window switch terminal 4, 5 and 2.

Terminals		Condition	Continuity
4	2	UP	Yes
5		DOWN	No

OK or NG

- OK >> Power window switch is OK.  
NG >> Replace malfunction power window switch.





# POWER WINDOW SYSTEM

EIS00618

## Power Window Switch Check 2

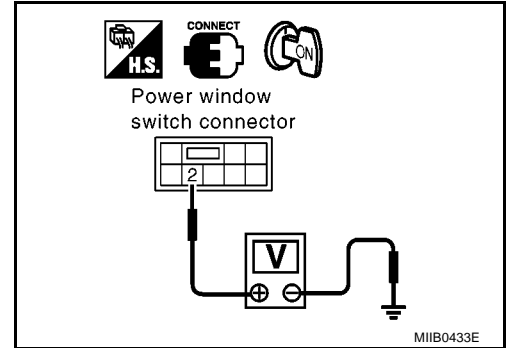
### 1. CHECK POWER WINDOW SWITCH POWER SUPPLY

1. Turn ignition switch ON.
2. Check voltage between malfunction power window switch terminal 2 and ground.

**2 (L/W) – Ground : Battery voltage**

OK or NG

- OK >> GO TO 3.  
NG >> GO TO 2.



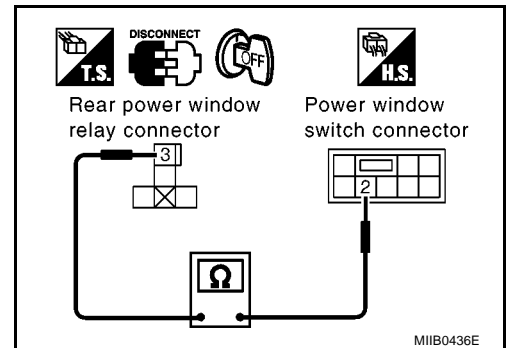
### 2. CHECK HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Disconnect rear power window relay, power window main switch and malfunction power window switch connector.
3. Check continuity between rear power window relay connector M127 terminal 3 and malfunction power window switch terminal 2.

**3 (W) – 2 (L/W) : Continuity should exist.**

OK or NG

- OK >> Check the condition of the harness and the connector.  
NG >> Repair or replace harness between rear power window relay and malfunction power window switch.



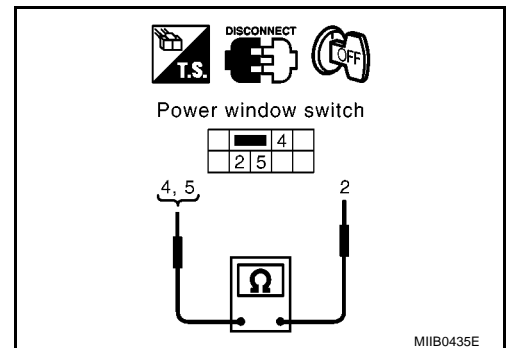
### 3. CHECK POWER WINDOW SWITCH

1. Turn ignition switch OFF.
2. Disconnect malfunction power window switch connector.
3. Malfunction power window switch operate, check continuity between malfunction power window switch terminal 4, 5 and 2.

Terminals		Condition	Continuity
4	2	UP	Yes
5		DOWN	No

OK or NG

- OK >> Power window switch is OK.  
NG >> Replace malfunction power window switch.





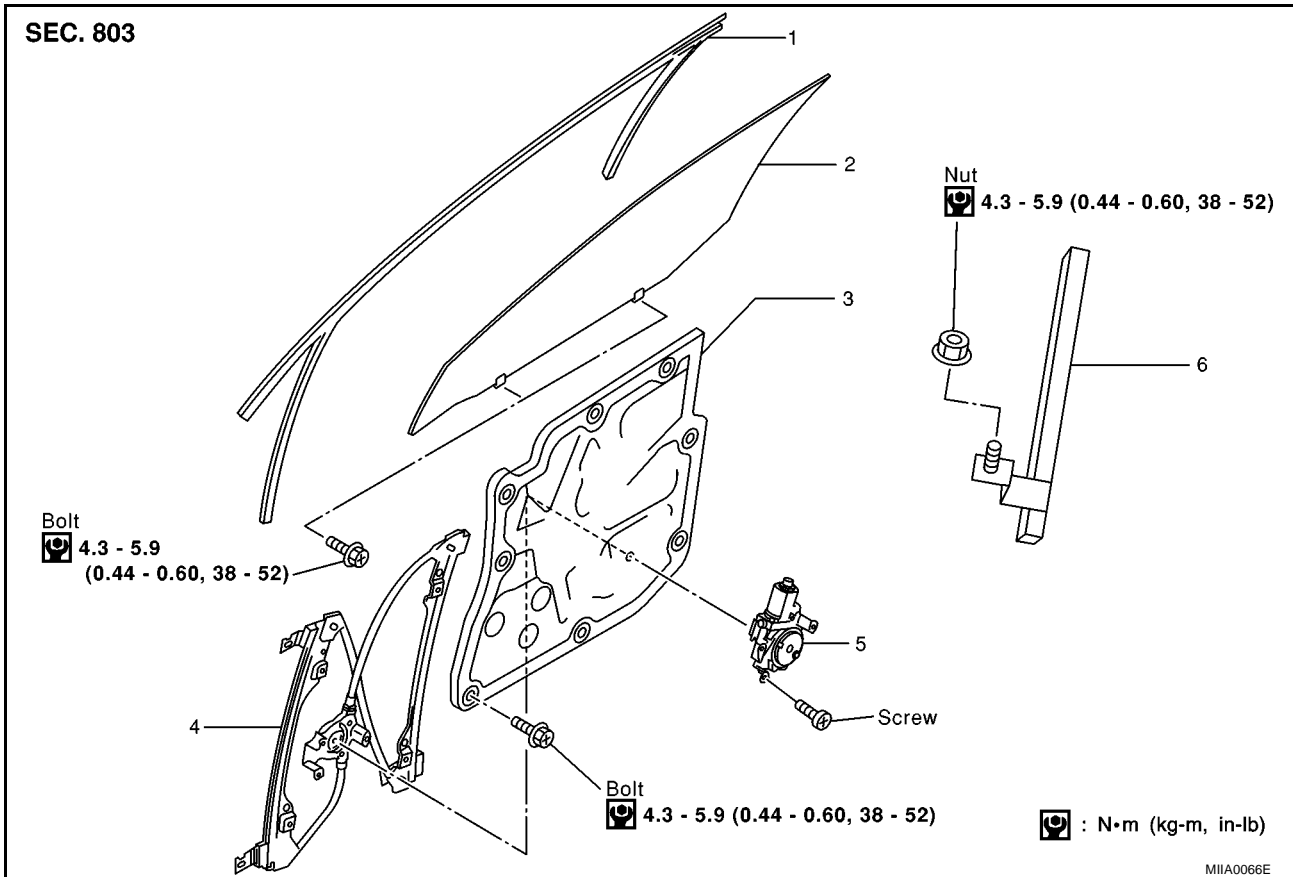
# FRONT DOOR GLASS AND REGULATOR

## FRONT DOOR GLASS AND REGULATOR

PFP:80300

### Removal and Installation

EIS005KG



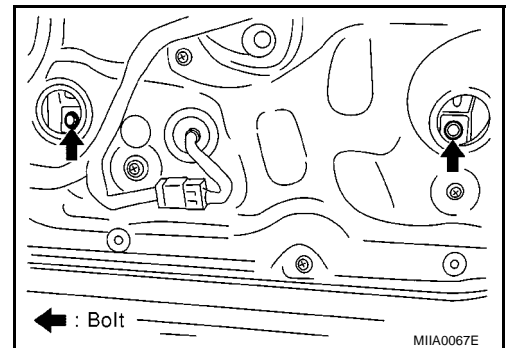
- |                                |                       |                    |
|--------------------------------|-----------------------|--------------------|
| 1. Door glass run (Front door) | 2. Front door glass   | 3. Module assembly |
| 4. Regulator assembly          | 5. Power window motor | 6. Lower sash rear |

1. Remove front door finisher. Refer to EI section in P12 ESM (SM2E00-1P12E0E).
2. Remove sealing screen.

**NOTE:**

If sealing screen is reused, cut the butyl-tape so that a part of butyl-tape remains on the sealing screen.

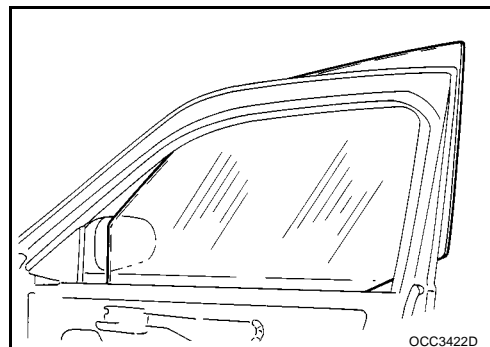
3. Operate power window main switch to raise or lower the door window until the door glass mounting bolts appear.
4. Remove door glass mounting bolts.





## FRONT DOOR GLASS AND REGULATOR

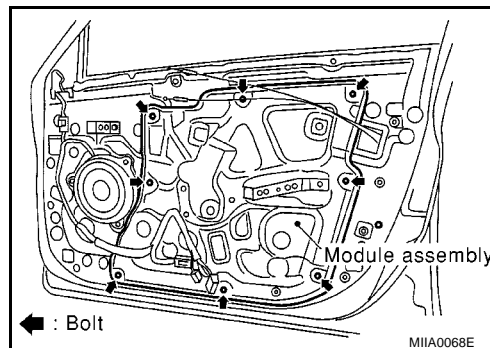
5. While holding door window, raise it at the rear end to pull glass out of the sash toward the outside.



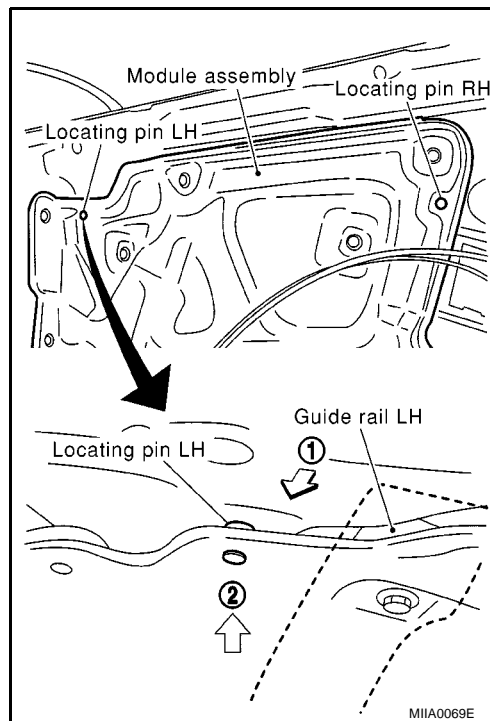
6. Disconnect regulator assembly connector.

7. Remove regulator assembly.

Install in the reverse order of removal.



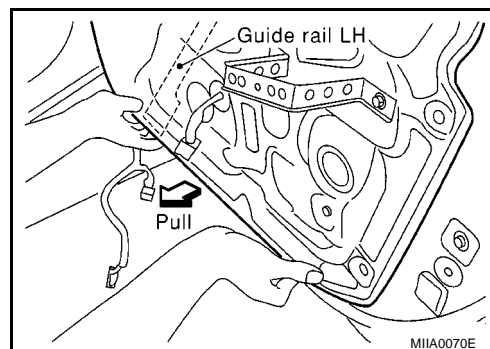
8. Pull out left-side locating pin of module assembly from door panel. Using right-side locating pin as a support point, lift up left-side part of module assembly.



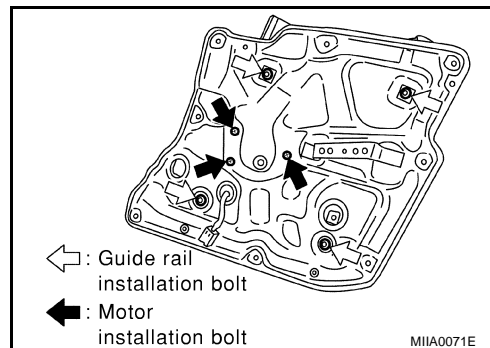


## FRONT DOOR GLASS AND REGULATOR

9. Pull lower part of module assembly toward you, and pull out lower part of guide rail (left).
10. Pull out right-side locating pin, and then pull out module assembly downward.



11. Remove harness connector laid for module assembly, and then remove harness clip from behind.
12. Remove power window motor and guidrail from module assembly.



### INSPECTION AFTER REMOVAL

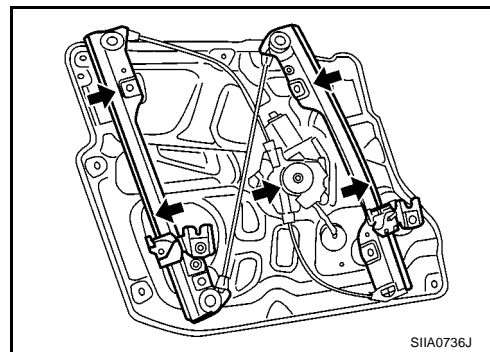
- Check regulator assembly for the following items. If a malfunction is detected, replace or grease it.

Wire wear

Regulator deformation

Grease condition for each sliding part

- The arrows in the figure show body grease application points.



### INSPECTION AFTER INSTALLATION

#### Setting of Limit Switch (Driver)

If any of the following work has been done, set the limit switch (integrated in the motor).

- Removal and installation of regulator
- Removal and installation of motor from the regulator
- Operate regulators as a unit
- Removal and installation of glass
- Removal and installation of glass run



# FRONT DOOR GLASS AND REGULATOR

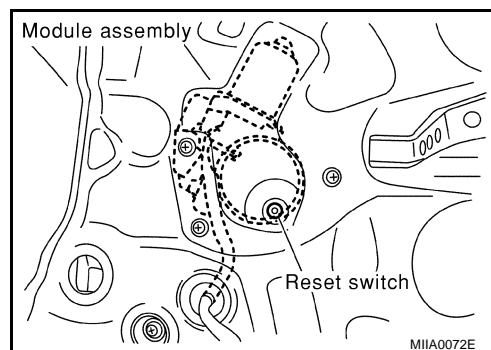
## Reset Operation

After installing each component to the vehicle, follow the steps below.

1. Raise glass to the top dead center.
2. While pressing and holding reset switch, lower glass to the bottom dead center.
3. Release reset switch, and check that reset switch returns to the original position. Then raise glass to the top dead center.

### NOTE:

Do not operate glass automatically to raise glass to the top dead center.



## FITTING INSPECTION

- Check that glass is securely fit into glass run groove.
- While raising and lowering the window, check for abnormal operation.

A  
B  
C  
D  
E  
F  
G  
H  
GW  
J  
K  
L  
M



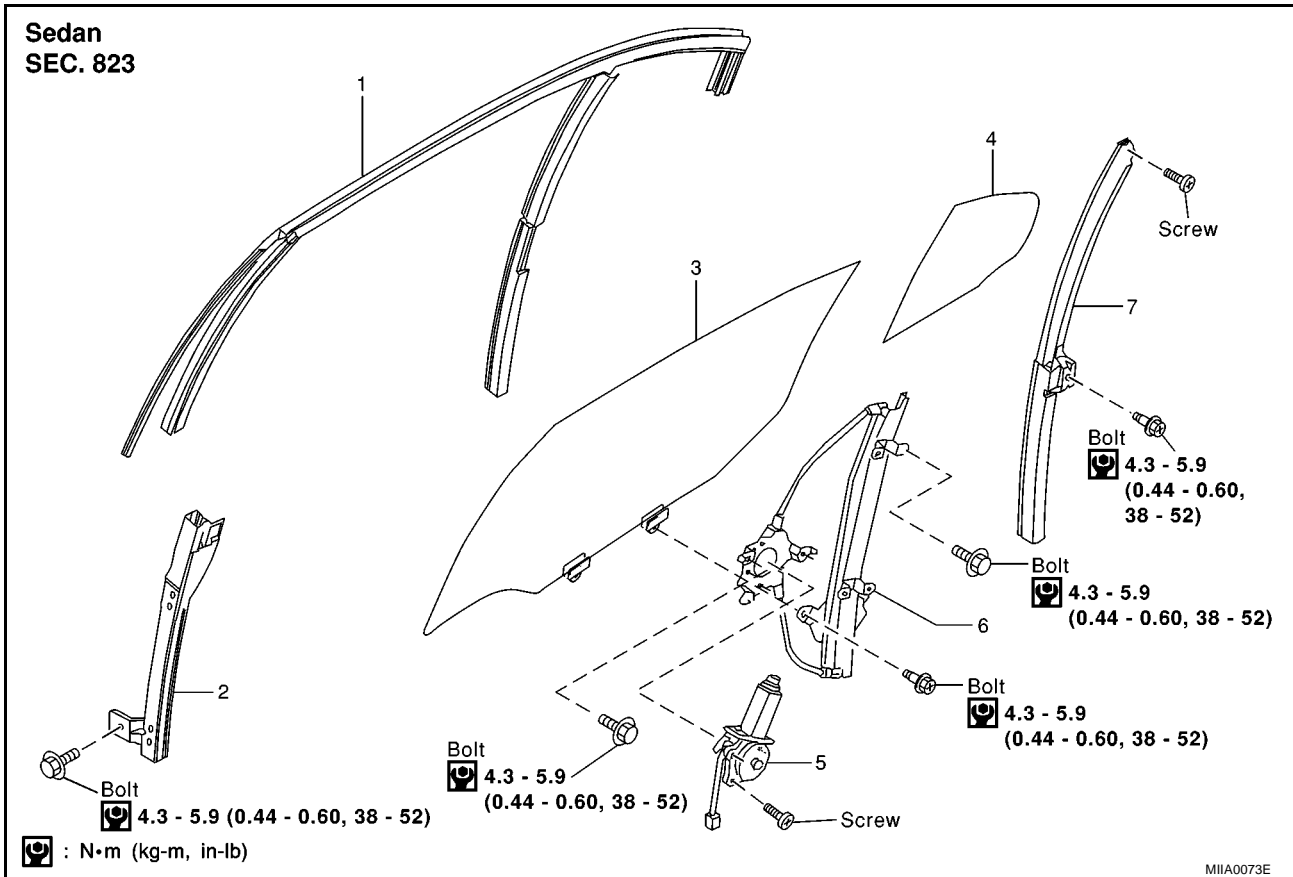
# REAR DOOR GLASS AND REGULATOR

## REAR DOOR GLASS AND REGULATOR

PFP:82300

### Removal and Installation

EIS005KH



1. Door glass run (Rear door)

2. Front lower sash

3. Rear door glass

4. Partition glass

5. Power window motor

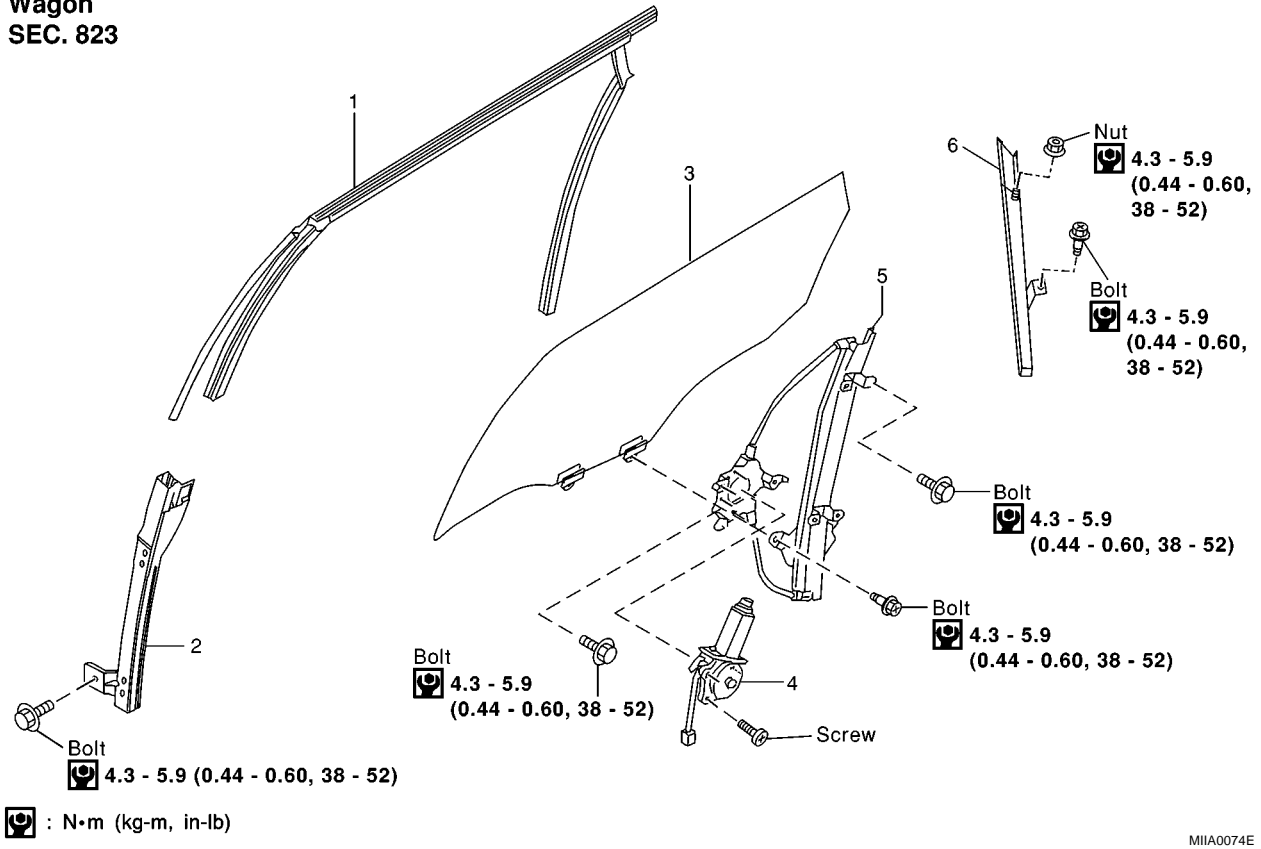
6. Regulator assembly

7. Rear lower sash



# REAR DOOR GLASS AND REGULATOR

Wagon  
SEC. 823



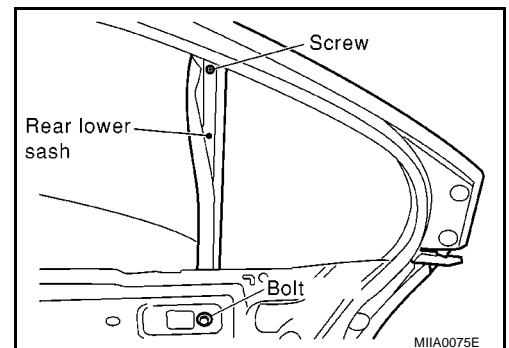
1. Door glass run (Rear door)
2. Front lower sash
3. Rear door glass
4. Power window motor
5. Regulator assembly
6. Rear lower sash

1. Remove door outside molding. (For wagon models). Refer to EI section in P12 ESM (SM2E00-1P12E0E).
2. Remove rear door finisher. Refer to EI section in P12 ESM (SM2E00-1P12E0E).
3. Remove sealing screen.

## NOTE:

If sealing screen is reused, cut the butyl-tape so that a part of butyl-tape remains on the sealing screen.

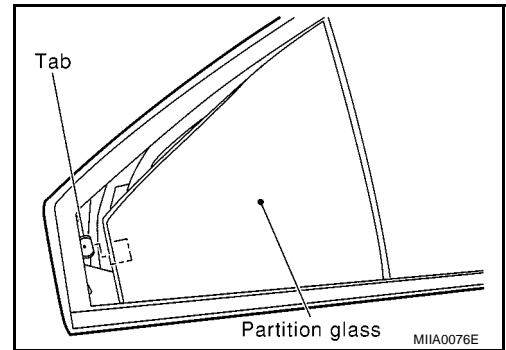
4. Operating power window switch, raise or lower the door window until the carrier plate mounting bolts appear.
5. Remove carrier plate mounting bolts, and place glass on the door inner.  
Following removal procedures are as follows:
  - Sedan: after following 6 to 8 procedures, do the 12 and later.
  - Wagon: after following 9 to 11 procedures, do the 12 and later.
6. Remove rear lower sash mounting bolt and screw, and lower glass to the bottom dead center.
7. Pull out the rear lower sash toward the lower side.





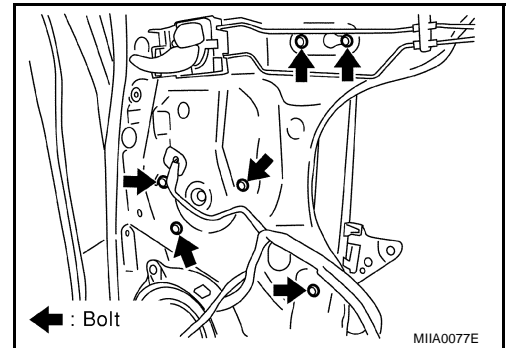
## REAR DOOR GLASS AND REGULATOR

8. Remove partition glass.



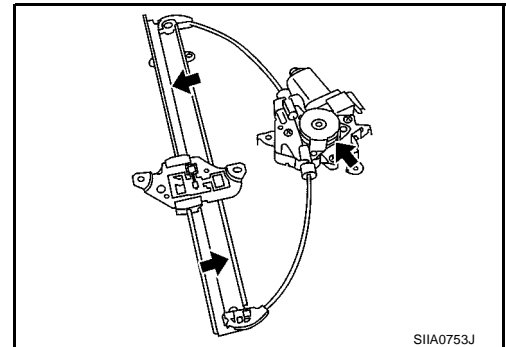
9. Remove corner cover.
10. Remove rear lower sash mounting bolt and nut.
11. Move rear lower sash forward, and pull out stud bolt, and pull out the rear lower sash toward the lower side.
12. Pull out the door window toward the outside of the door to remove.
13. Disconnect regulator assembly connector.
14. Remove regulator assembly mounting bolts through the access hole.

Install in the reverse order of removal.



### INSPECTION AFTER REMOVAL

- Check regulator assembly for the following items. If a malfunction is detected, replace or grease it.
  - Gear wear
  - Regulator deformation
  - Spring damage
  - Grease condition for each sliding part
- The arrows in the figure show body grease application points.



### FITTING INSPECTION

- Check that glass is securely fit into glass run groove.
- While raising and lowering the window, check for unusual operation.

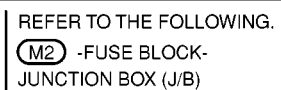


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## PFP:96301

## EIS005KI

 : WITH GASOLINE ENGINE





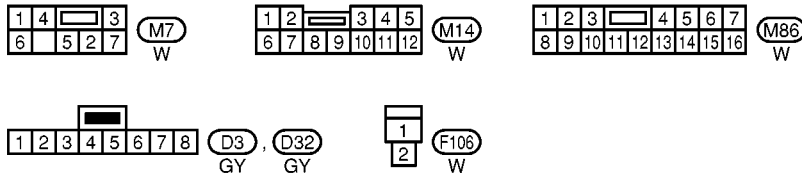
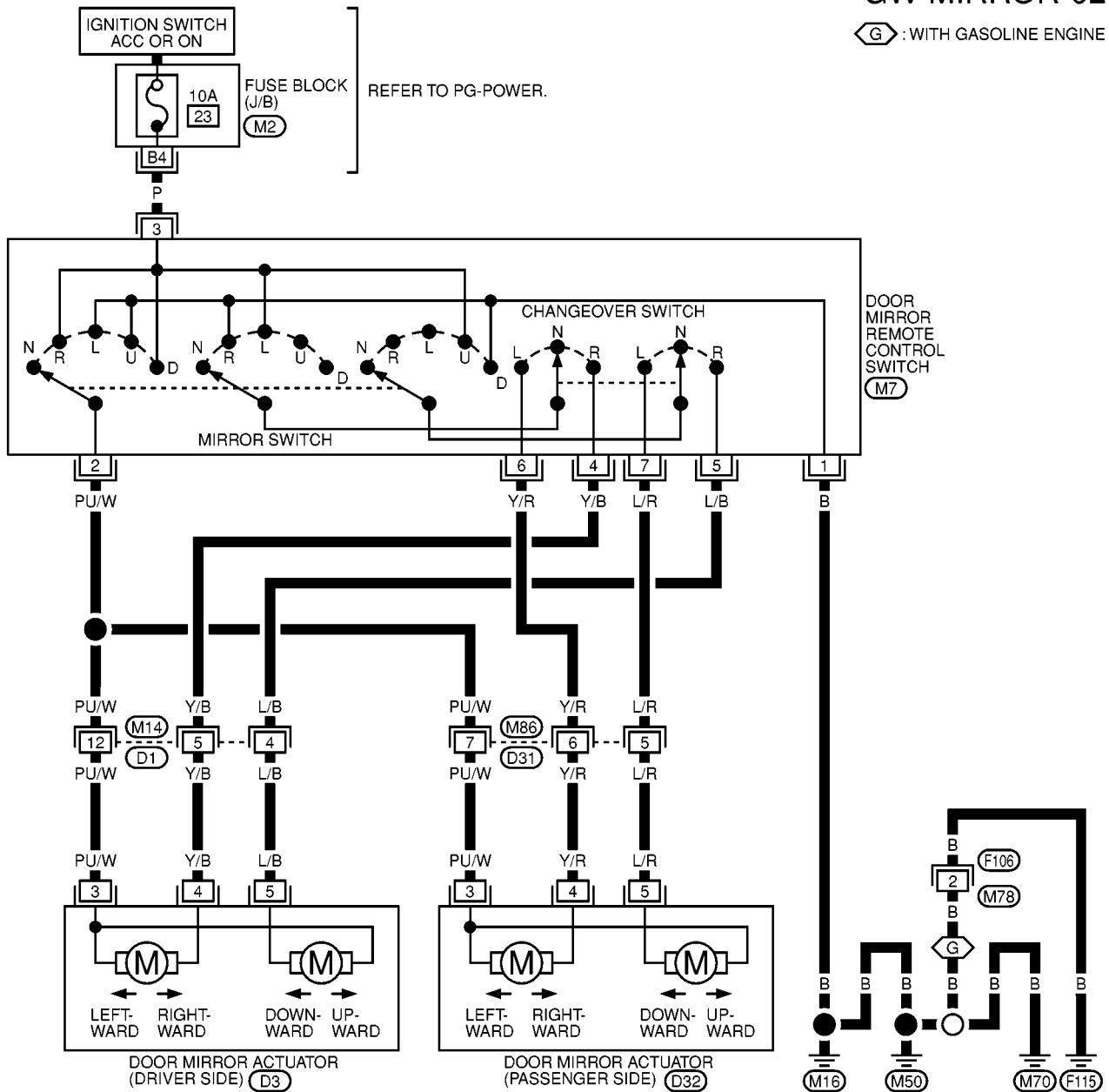
# DOOR MIRROR

## Wiring Diagram –MIRROR– RHD Models

EIS005KJ

### GW-MIRROR-02

(G) : WITH GASOLINE ENGINE



REFER TO THE FOLLOWING.

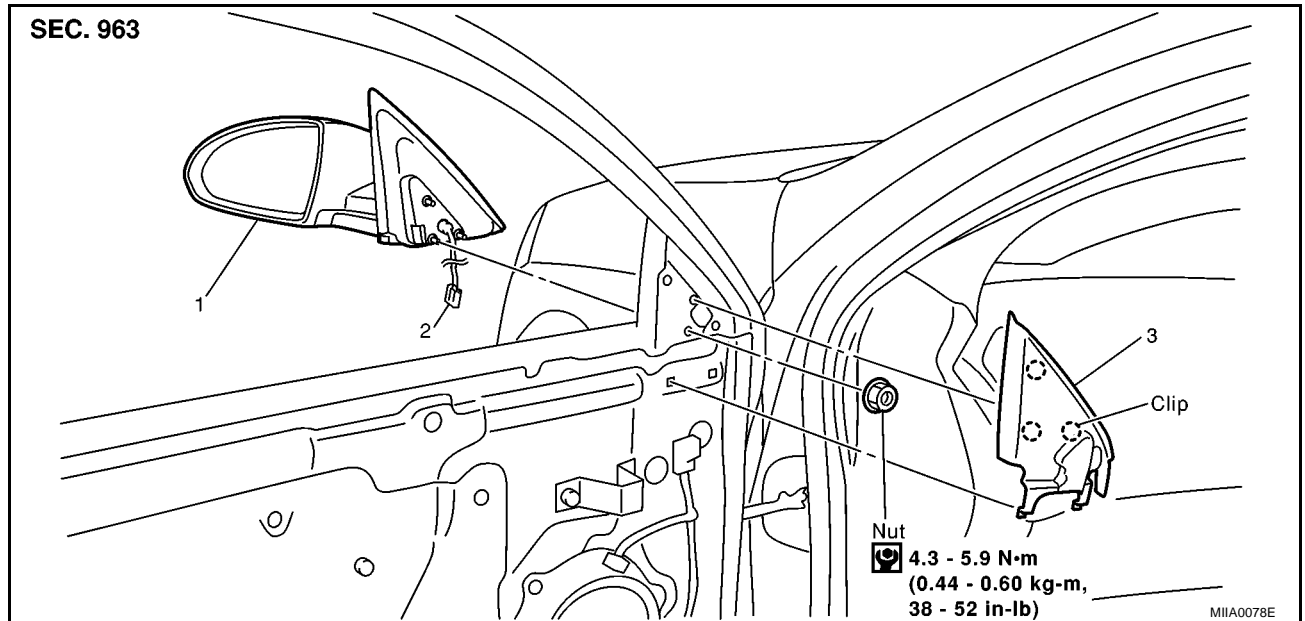
(M2) -FUSE BLOCK-  
JUNCTION BOX (J/B)



# DOOR MIRROR

## Removal and Installation

EIS005KK



1. Door mirror

2. Connector

3. Corner cover

### REMOVAL

1. Remove front door finisher. Refer to EI section in P12 ESM (SM2E00-1P12E0E).
2. Remove corner cover.
3. Remove door mirror harness connector.
4. Remove door mirror mounting nuts, and remove door mirror assembly.

#### NOTE:

Be careful not to damage door mirror assembly.

### INSTALLATION

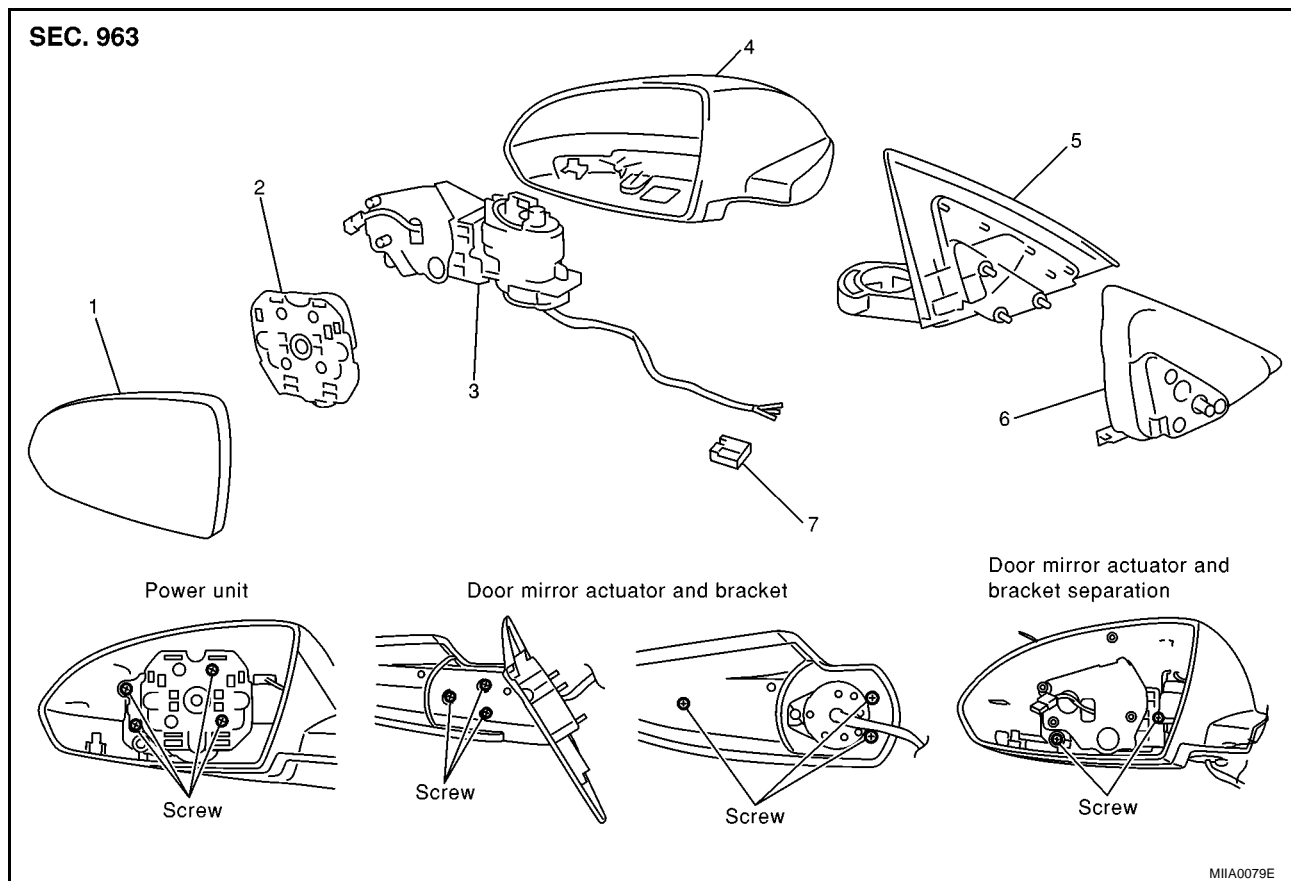
Install in the reverse order of removal.



# DOOR MIRROR

## Disassembly and Assembly

EIS005KL



### DISASSEMBLY

1. Pull out all the terminals from the harness connector.

**NOTE:**

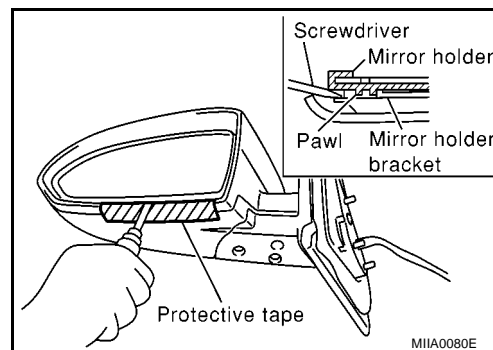
Before pulling out the terminal, note the connector terminal arrangement.

2. Turn the mirror glass surface upward.
3. Apply a protective tape to the housing.
4. Insert a narrow slotted screwdriver in the concave gap between mirror glass and power unit to push up tabs (2 locations) on mirror holder to disengage lower part of mirror holder, and remove mirror body assembly.

**NOTE:**

When pushing up the tabs, do not forcefully push up only 1 concave but try to push up using 2 concave positions.

5. Remove packing.
6. Remove base.
7. Remove power unit, and disconnect the connector.



### ASSEMBLY

1. Connect power unit connector. Install bracket.
2. Install base to the housing.
3. Place power unit and mirror body assembly in a horizontal position.
4. Engage upper tabs of mirror glass with power unit. Then, press lower part of mirror glass down until the lower part snaps to allow engagement of lower tabs.



## DOOR MIRROR

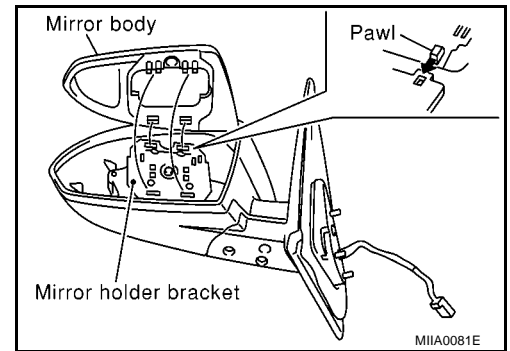
**NOTE:**

After installation, visually check that the lower tabs (2) are securely engaged when viewed from the bottom of mirror surface.

5. Install the packing to the base.
6. Insert the harness terminal into the connector.

**NOTE:**

Make sure to insert the harness terminal into the correct connector. Do not confuse the locations.



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## DOOR MIRROR

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