

1.11 CURRENT DATA		01/08
PA.WINDOW AUTO DOWN SW	3517OFF	
PA.WINDOW DOWN SW	3517OFF	
PA.WINDOW AUTO UP SW	3518OFF	
PA.WINDOW UP SW	3519OFF	
PA.WINDOW AUTO DOWN	1817OFF	
PA.WINDOW DOWN	1818OFF	
PA.WINDOW AUTO UP	3520OFF	
PA.WINDOW UP	3521OFF	
FIX		SCRN FULL PART GRPH HELP

1.11 CURRENT DATA		07/08
PA.WINDOW AUTO UP SW	3518OFF	
PA.WINDOW UP SW	1817OFF	
PA.WINDOW AUTO DOWN	3520OFF	
PA.WINDOW DOWN	3522OFF	
PA.WINDOW AUTO UP	3524OFF	
PA.WINDOW UP	1799OFF	
PA.WINDOW AUTO DOWN SW	3520OFF	
PA.WINDOW DOWN SW	3522OFF	
FIX		SCRN FULL PART GRPH HELP

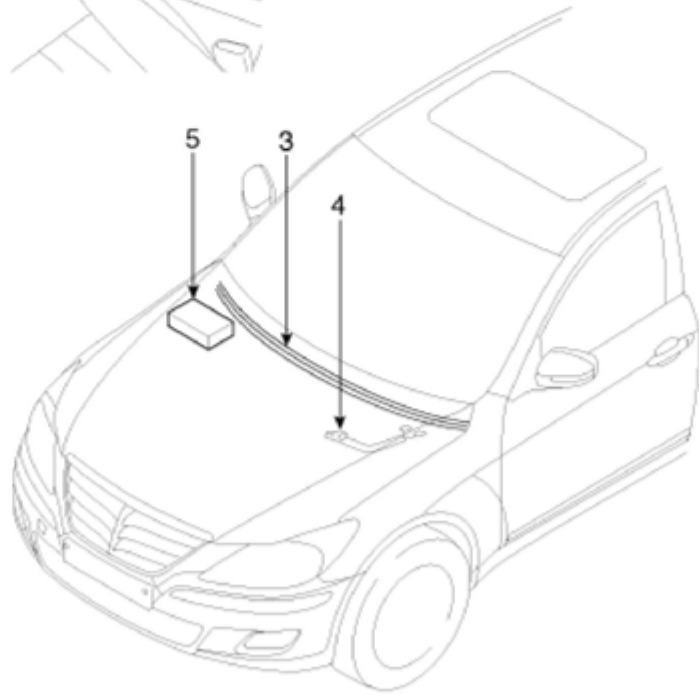
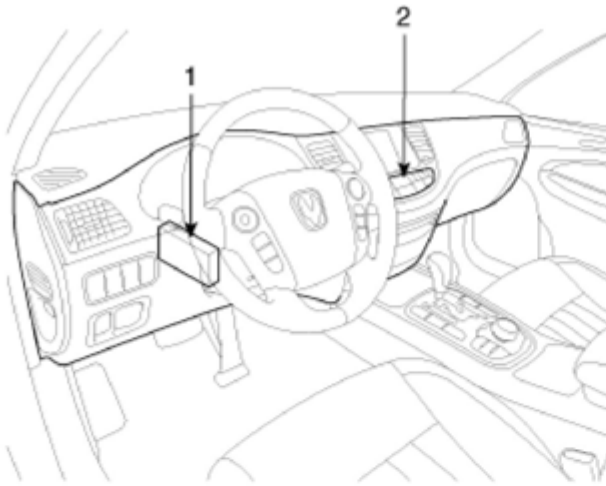
4. To check the input value of power window switch in force mode, select option "ACTUATION TEST".

1. HYUNDAI VEHICLE DIAGNOSIS	
MODEL	: GENESIS
SYSTEM	: BODY CONTROL MODULE
ADM(POWER WINDOW ASSIST)	
01. DIAGNOSTIC TROUBLE CODES	
02. INPUT/OUTPUT MONITORING	
03. FLIGHT RECORD	
04. ACTUATION TEST	
05. SIMU-SCAN	
06. IDENTIFICATION CHECK	
07. DATA SETUP(UNIT CONV.)	

1.4 ACTUATION TEST		01/10
PA. WINDOW AUTO UP		
DURATION	3 SECONDS	
METHOD	ACTIVATION	
CONDITION	IG.KEY ON ENGINE OFF	
PRESS [STRT], IF YOU ARE READY ! SELECT TEST ITEM USING UP/DOWN KEY		
STRT		

## Body Electrical System > Windshield Deicer > Components and Components Location

### Component Location



- 1. IPM (Instrument Panel Module)
- 2. Windshield deicer switch
- 3. Windshield deicer

- 4. Deicer connector
- 5. Windshield deicer relay  
(Built-in Engine room junction box)

## Body Electrical System > Windshield Deicer > Description and Operation

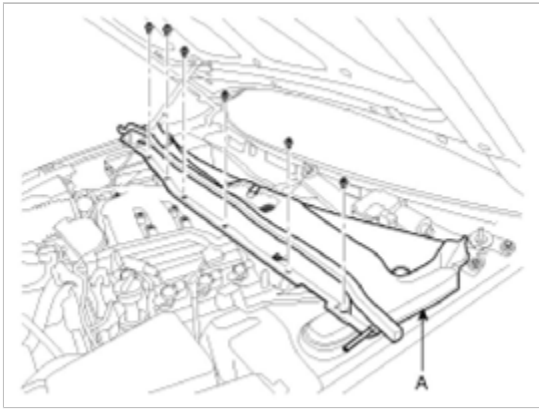
### Description

Windshield deicer system prevent windshield wiper from freezing in the winter season. It consists of deicer in the lower part of windshield, switch and relay. Body control module receives an input signal from the deicer switch, then controls relay. Operating condition is the same that of rear window defogger system. Since the generator "L" is switched ON, if the deicer switch is ON, then deicer output is ON for 20 minutes.

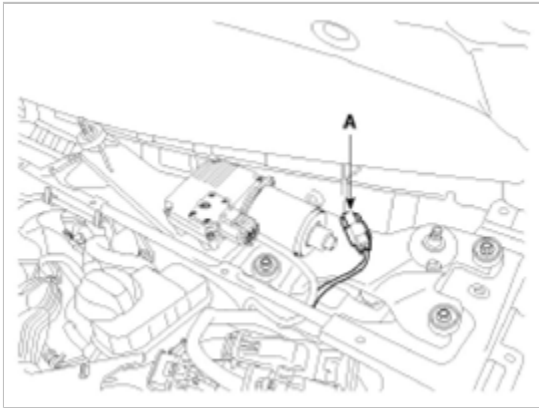
## Body Electrical System > Windshield Deicer > Windshield Deicer > Repair procedures

### Inspection

1. Remove the cowl top cover (A).(Refer to the Body group - wiper)



2. Disconnect the windshield deicer connector (A) from the wiper motor linkage.



3. Check for continuity between the terminals of deicer lines.



4. Turn the ignition switch ON and the windshield deicer switch ON, then measure the voltage between the terminals of harness side deicer connector.

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**OK:** approx. Battery voltage

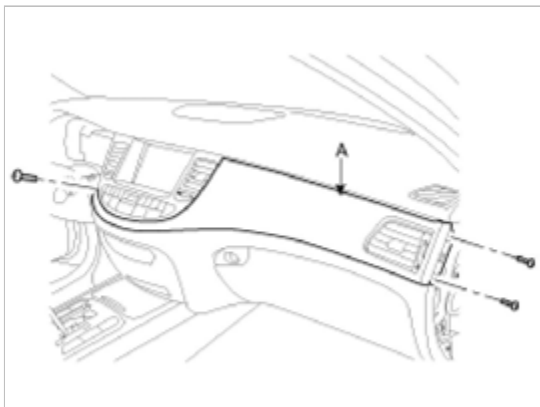
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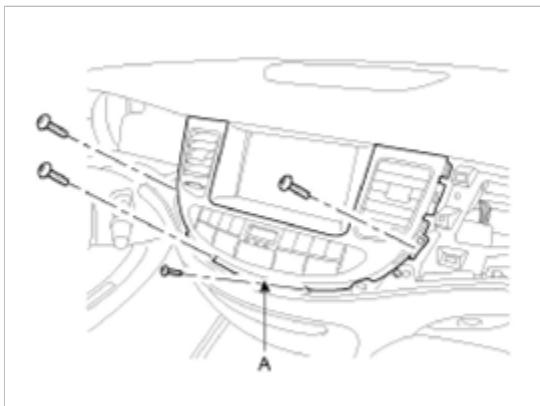
## Body Electrical System > Windshield Deicer > Windshield Deicer Switch > Repair procedures

### Removal

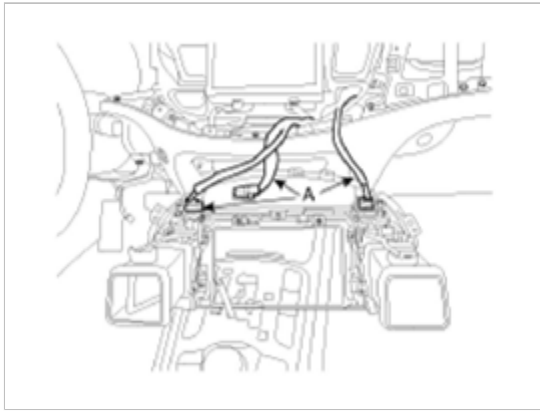
1. Disconnect the negative (-) battery terminal.
2. Remove the crash pad lower panel (Refer to the Body group - Crash pad)
3. Remove the cluster fascia panel.
4. Remove the crash pad side garnish (A) after removing the screws.



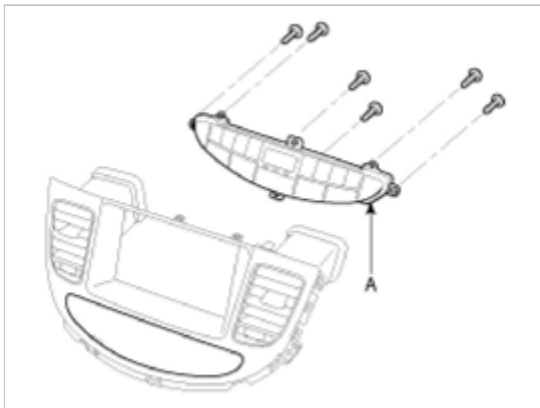
5. Remove the center fascia panel (A) after removing the screws.



6. Remove the connectors (A).



7. Remove the screws and heater control unit keyboard (A).

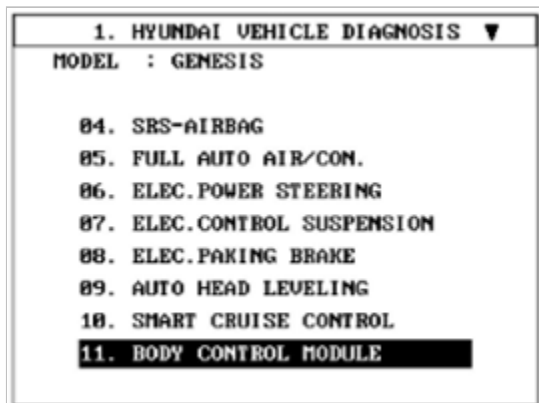


## Installation

1. Install the heater control unit keyboard after connecting the connectors.
2. Install the center fascia panel.
3. Install the crash pad side garnish, cluster fascia panel, crash pad lower panel.

## Inspection

1. Check BCM input/output specification of windshield deicer switch using the scan tool. If the specification is abnormal, replace the windshield deicer switch module.



1. HYUNDAI VEHICLE DIAGNOSIS ▼

MODEL : GENESIS

SYSTEM : BODY CONTROL MODULE

01. IPM(IN PANEL MODULE) -PIC

**02. IPM(IN PANEL MODULE) +PIC**

03. FAK(FRONT AREA MODULE)

04. DDM(POWER WINDOW MAIN)

05. ADM(POWER WINDOW ASSIST)

06. CLU(CLUSTER)

07. MFSW(MULTIFUNCTION SW)

08. PSM(POWER SEAT)

2. Select option "Input/output monitoring".

1. HYUNDAI VEHICLE DIAGNOSIS ▼

MODEL : GENESIS

SYSTEM : BODY CONTROL MODULE

IPM(IN PANEL MODULE) +PIC

01. DIAGNOSTIC TROUBLE CODES

**02. INPUT/OUTPUT MONITORING**

03. FLIGHT RECORD

04. ACTUATION TEST

05. SIMU-SCAN

06. SERIAL COMMUNICATION LINE CHECK

07. PIC ANTENNA ACTIVE

08. PIC ANTENNA STATUS CHECK

1.11 CURRENT DATA 01/08

DEFOGGER SW	1061OFF
DR SEAT BELT SW	1058UNBUCKLED
INTERNAL BUZZER	3418OFF
DEFOGGER RELAY	3419OFF
FOOT LAMP	1064OFF
ROOM LAMP	3718OFF
CRASH SIGNAL	3420OFF
INHIBIT P SWITCH	3421OFF

FIX SCRN FULL PART GRPH HELP

1.11 CURRENT DATA 04/08

DEFOGGER SW	1061OFF
DR SEAT BELT SW	1058UNBUCKLED
INTERNAL BUZZER	3418OFF
<b>DEFOGGER RELAY</b>	<b>3419OFF</b>
FOOT LAMP	1064OFF
ROOM LAMP	3718OFF
CRASH SIGNAL	3420OFF
INHIBIT P SWITCH	3421OFF

FIX SCRN FULL PART GRPH HELP

3. To check the input value of windshield deicer switch in force mode, select option "Actuation test".