

1.11 CURRENT DATA 01/88	
PA.WINDOW AUTO DOWN	S18e1OFF
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 07/88	
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	S3520OFF
PA.WINDOW DOWN SW	3522OFF

FIX SCRn FULL PART GRPH HELP

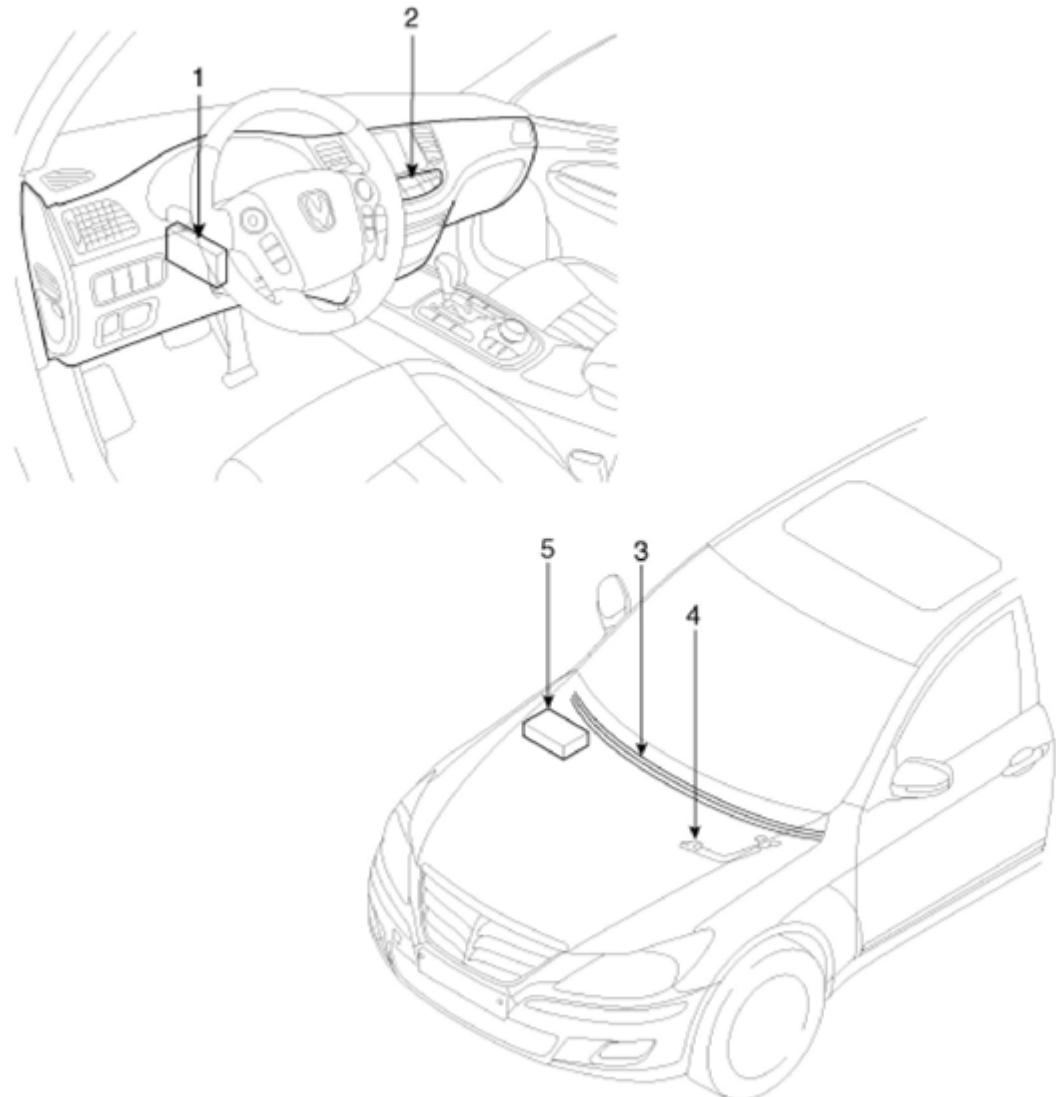
4. To check the input value of power window switch in force mode, select option "ACTUATION TEST".

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-SCAM
06.	IDENTIFICATION CHECK
07.	DATA SETUP(UNIT COMM.)

1.4 ACTUATION TEST 01/18	
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

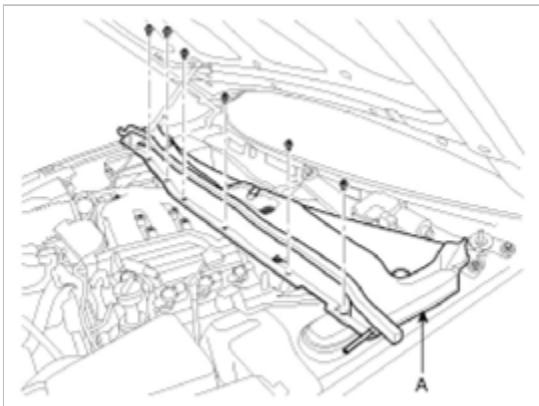
Description

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.

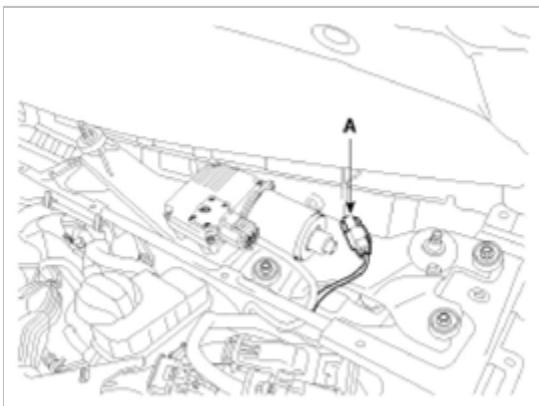
Body Electrical System > Windshield Deicer > Windshield Deicer > Repair procedures

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.

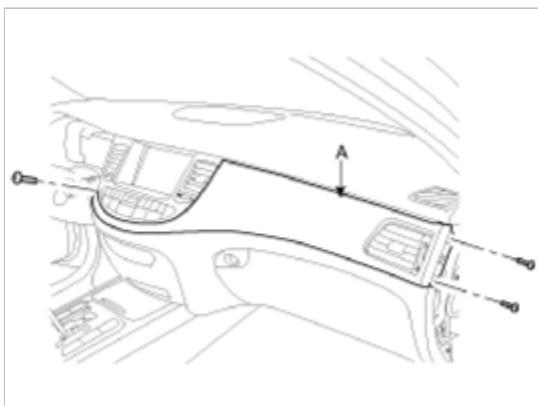
OK: approx. Battery voltage



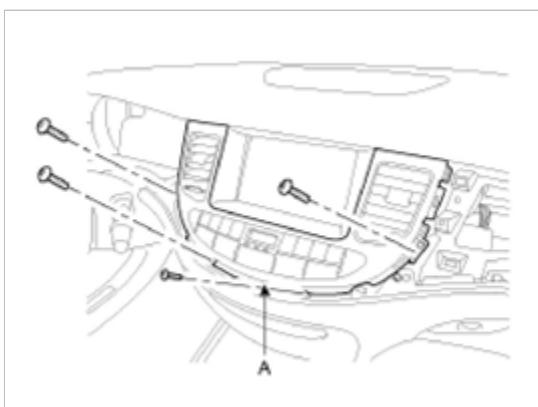
Body Electrical System > Windshield Deicer > Windshield Deicer Switch > Repair procedures

Removal

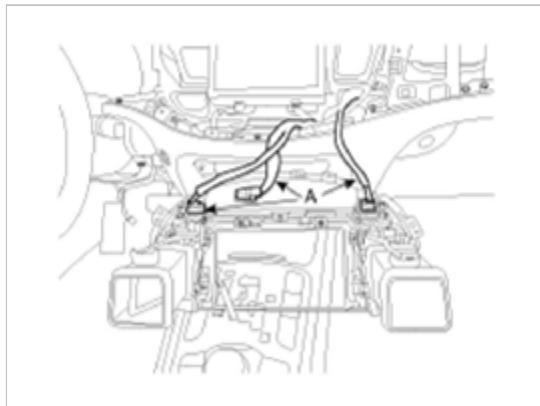
1. Disconnect the negative (-) battery terminal.
2. Remove the crash pad lower panel (Refer to the Body group - Crash pad)
3. Remove the cluster fascia panel.
4. Remove the crash pad side garnish (A) after removing the screws.



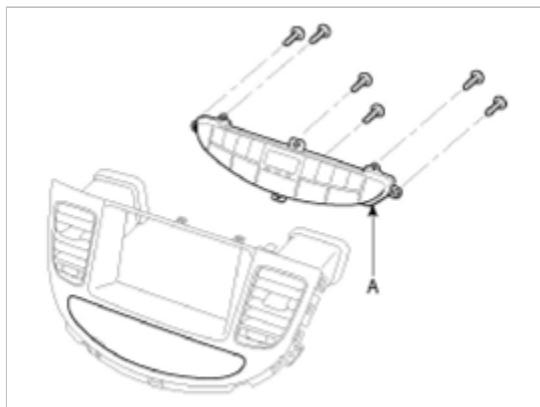
5. Remove the center fascia panel (A) after removing the screws.



6. Remove the connectors (A).



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

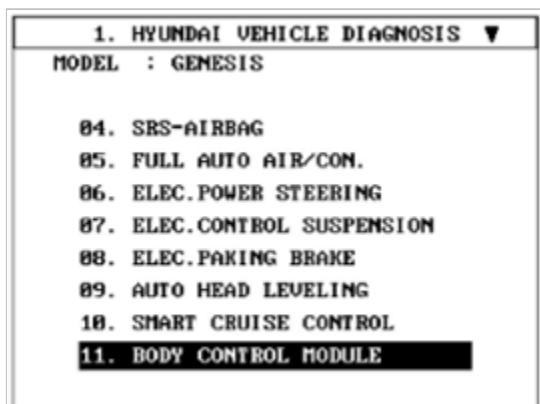


Installation

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
81.	IPMK IN PANEL MODULE) -PIC
82.	IPMK IN PANEL MODULE) +PIC
83.	FAMK FRONT AREA MODULE)
84.	DDMK POWER WINDOW MAIN)
85.	ADMK POWER WINDOW ASSIST)
86.	CLUK CLUSTER)
87.	MFSW(MULTIFUNCTION SW)
88.	PSMK POWER SEAT)

2. Select option "Input/output monitoring".

1. HYUNDAI VEHICLE DIAGNOSIS ▼	
MODEL	: GENESIS
SYSTEM	: BODY CONTROL MODULE
	IPMK IN PANEL MODULE) +PIC
81.	DIAGNOSTIC TROUBLE CODES
82.	INPUT/OUTPUT MONITORING
83.	FLIGHT RECORD
84.	ACTUATION TEST
85.	SIMU-SCAN
86.	SERIAL COMMUNICATION LINE CHECK
87.	PIC ANTENNA ACTIVE
88.	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

1.11 CURRENT DATA 04/08	
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

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