

Component Procedures: Wiper Switch

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Component Procedures: Wiper Switch

Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
Switches > Wiper Switch		Part Of Multifnt. Swit?	0.00	
Switches > Wiper Switch		Part Of Multifunction ?	0.00	

Windshield Wiper-Washer Switch - Repair Procedures (Article 44623)

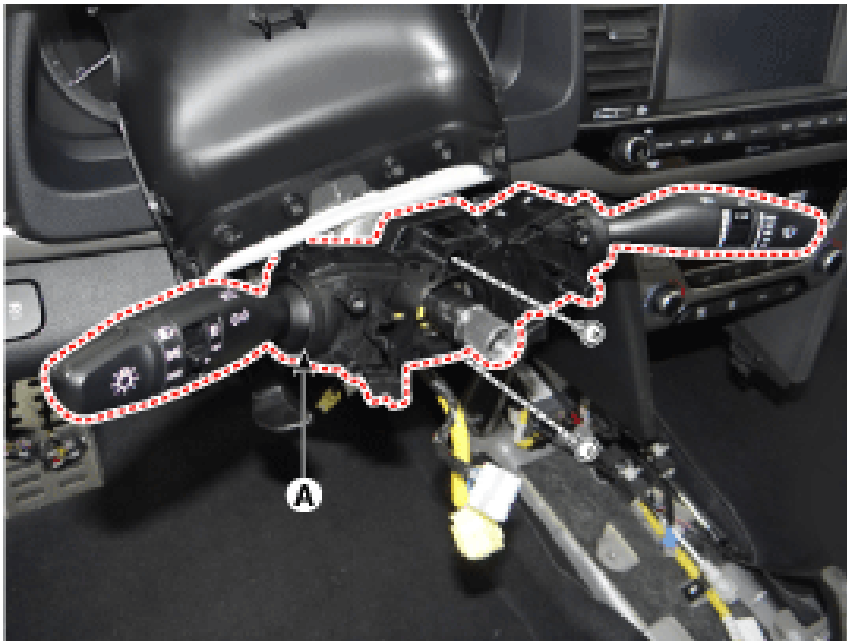
- Removal
- Disconnect the negative (-) battery terminal.
- If it is necessary to remove multifunction switch assembly, remove the steering wheel. (Steering System - "Steering Wheel")
- Remove the steering column upper shrouds (A). (Refer to Body - "Steering Column Shroud Panel")
- Remove the clock spring. (Refer to Restraint - "Driver Airbag (DAB) Module and Clock Spring")



- Disconnect the multifunction switch connector (A).



- Loosen the screws (2EA) from the multifunction switch assembly (A).



- Installation

- Install the multifunction switch.

- Install the clock spring and steering wheel.

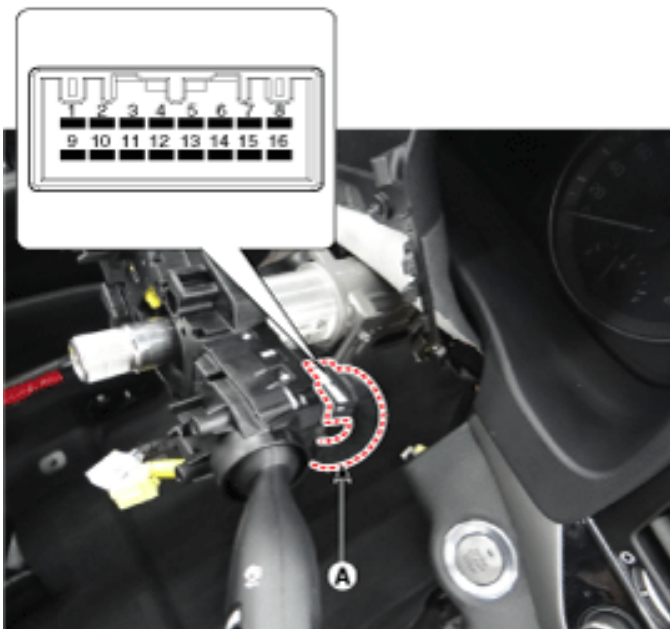
- Install the steering column upper and lower shrouds.

- Install the steering wheel.

- Inspection (with GDS)

- When each switch is pressed, check the electricity flow between multi-function switch connector and grounding, and if the electricity does not match the specification, replace the switch.

Deiscription Switch No. Resistance value (Ω , $\pm 1\%$)
Wiper switch signal MIST 1 - 9 330 OFF ∞ INT (AUTO) 800 Low 1800 High 5700 Front wiper INT volume 1 7 - 9 330 Volume 2 690 Volume 3 1310 Volume 4 2610 Volume 5 7310 Fog lamp switch OFF 9 - 10 ∞ ON 910 Turn signal lamp switch OFF 9 - 12 ∞ Left 910 Right 2910 Head lamp Passing / High beam switch OFF 9 - 13 ∞ Passing 910 Dimmer 2910 Light Switch OFF 9 - 14 ∞ Auto 680 Tail lamp 1680 Head lamp (Low) 5580



Deiscription Switch No. Resistance value (Ω , $\pm 1\%$)

Wiper switch signal MIST 1 - 9 330

OFF ∞

INT (AUTO) 800

Low 1800

High 5700
 Front wiper INT volume Volume 1 7 - 9 330
 Volume 2 690
 Volume 3 1310
 Volume 4 2610
 Volume 5 7310
 Fog lamp switch OFF 9 - 10 ∞
 ON 910
 Turn signal lamp switch OFF 9 - 12 ∞
 Left 910
 Right 2910
 Head lamp Passing / High beam switch OFF 9 - 13 ∞
 Passing 910
 Dimmer 2910
 Light Switch OFF 9 - 14 ∞
 Auto 680
 Tail lamp 1680
 Head lamp (Low) 5580

- The body electrocal system can be quickly diagnosed failed parts with vehicle diagnostic system (GDS). The diagnostic system (GDS) provides the following information. Self diagnosis : Checking the failure code (DTC) and display Current data : Checking the system input/output data state Actuation test : Checking the system operation condition Additional function : Other controlling such as he system option and zero point adjustment
- Self diagnosis : Checking the failure code (DTC) and display
- Current data : Checking the system input/output data state
- Actuation test : Checking the system operation condition
- Additional function : Other controlling such as he system option and zero point adjustment
- Select the "Car Model" and the system to be checked in order to check the vehicle with the tester.
- Select the "Body Control Module (BCM)" to check the Body Control Module (BCM).
- Select the "Current Data" menu to search the current state of the input/output data. The input/output data for the sensors corresponding to the Body Control Module (BCM) can be checked.

Sensor Name	Value	Unit
<input type="checkbox"/> Arm/Disarm Buzzer Setting	ON	-
<input type="checkbox"/> Head Lamp Escort	ON	-
<input type="checkbox"/> Auto Door Lock State	15km/h	-
<input type="checkbox"/> Auto Door Unlock Status	Shift-lever	-
<input type="checkbox"/> 2-Turn Unlock	OFF	-
<input type="checkbox"/> RK Trunk Button Function Lock	OFF	-
<input type="checkbox"/> SMK Welcome Option	ON	-
<input type="checkbox"/> Battery Voltage Monitoring Input	11.4	V
<input type="checkbox"/> Auto Light Sensor (Option)	0.4	V
<input type="checkbox"/> Light Switch Voltage(Voltage Divided)	5.0	V
<input type="checkbox"/> Head Lamp High Switch Voltage(Voltage Divided)	5.0	V
<input type="checkbox"/> Fog Lamp Switch Voltage(Voltage Divided)	5.0	V
<input type="checkbox"/> Front Wiper Switch Voltage(Voltage Divided)	5.0	V
<input type="checkbox"/> Wiper INT Volume Voltage(Voltage Divided)	3.6	V
<input type="checkbox"/> ACC	ON	-
<input type="checkbox"/> IGN1	ON	-
<input type="checkbox"/> IGN2	ON	-
<input type="checkbox"/> Defogger / Deicer Switch	OFF	-
<input type="checkbox"/> Washer Switch	OFF	-
<input type="checkbox"/> INT Switch	OFF	-
<input type="checkbox"/> Mist Switch	OFF	-
<input type="checkbox"/> Wiper Stop Position Switch	ON	-
<input type="checkbox"/> Wiper Low Relay	OFF	-

Current Data		
Sensor Name	Value	Unit
<input type="checkbox"/> Wiper Low Relay	OFF	-
<input type="checkbox"/> Wiper High Relay	OFF	-
<input type="checkbox"/> Room Lamp Output	OFF	-
<input type="checkbox"/> Tail Lamp Switch	OFF	-
<input type="checkbox"/> Auto Light Switch (Option)	OFF	-
<input type="checkbox"/> Head Lamp Switch	OFF	-
<input type="checkbox"/> Head Lamp High Switch	OFF	-
<input type="checkbox"/> Front Fog Switch (Option)	OFF	-
<input type="checkbox"/> Tail AV	ON	-
<input type="checkbox"/> Puddle Lamp Output	OFF	-
<input type="checkbox"/> Key Inter Lock Switch(Manual Key Type)	ON	-
<input type="checkbox"/> ATM solenoid Output	OFF	-
<input type="checkbox"/> Safety Power Window Enable	ON	-
<input type="checkbox"/> Assist Seat Belt Indicator (Option)	OFF	-
<input type="checkbox"/> Crash Input Signal	OFF	-
<input type="checkbox"/> Rain Sensor Option Line	NON RAIN	-
<input type="checkbox"/> PAS Option Line	OFF	-
<input type="checkbox"/> Brake Switch	OFF	-
<input type="checkbox"/> Sunroof Open	OFF	-
<input type="checkbox"/> Head Lamp Passing Switch	OFF	-
<input type="checkbox"/> Wiper Low Switch	OFF	-
<input type="checkbox"/> Wiper High Switch	OFF	-
<input type="checkbox"/> Front Wiper Backup Switch	OFF	-