Component Procedures: Blower Motor Resistor

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Component Procedures: Blower Motor Resistor

Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
Blower Motor > Resistor	972353XAA0	With Atc	175.37	
Blower Motor > Resistor	97128A5000	Without Atc	38.73	

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Remove & Replace	Blower Motor > Resistor, R&R	B	0.6	0.0

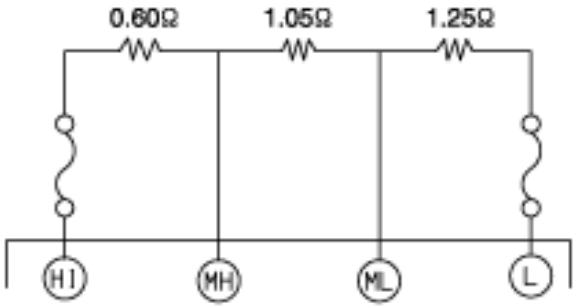
Power Mosfet - Description and Operation (Article 44877)

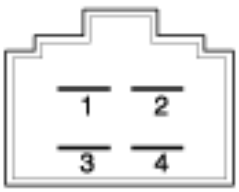
- Description

Blower Resistor (Manual) - Repair Procedures (Article 44879)

- Inspection

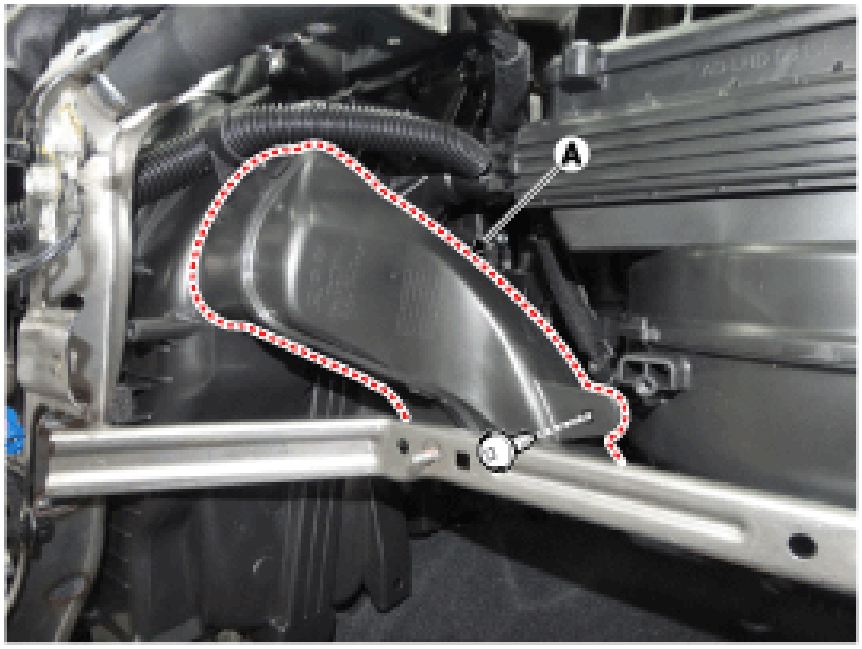
- Measure the resistance between the terminals.
- The measured resistance is not within specification, the blower resistor must be replaced. (After removing the resistor)



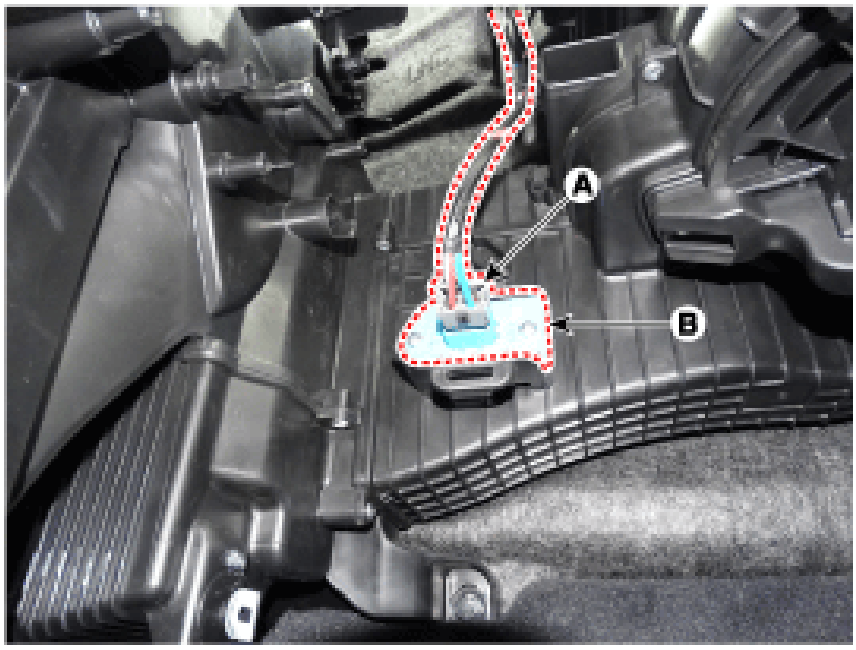


- Replacement

- Disconnect the negative (-) battery terminal.
- Remove the crash pad center panel. (Refer to Body - "Crash Pad Center Panel")
- Remove the passenger's side shower duct (A) after loosening the screw.



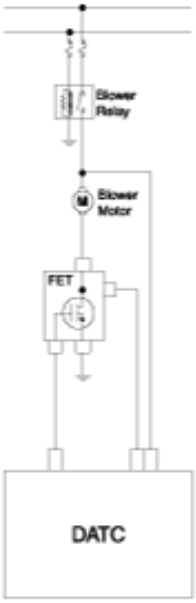
- Disconnect the connector (A) and then remove the blower resistor (B) after loosening the mounting screws.



- To install, reverse the removal procedure.

Power Mosfet - Repair Procedures (Article 44878)

- Inspection
- Turn the ignition switch ON.
- Manually operate the control switch and measure the voltage of the blower motor .
- Select the control switch to raise the voltage until high speed. Specification Fan Speed (Manual) Motor Voltage (V) 1 3.4 ± 0.5 (A/C OFF) 3.8 ± 0.5 (A/C ON) 2 5.1V 3 6.3V 4 7.6V 5 8.8V 6 10.1V 7 11.3V 8 Battery



Specification

Fan Speed (Manual) Motor Voltage (V)

1 3.4 ± 0.5 (A/C OFF) 3.8 ± 0.5 (A/C ON)

2 5.1V

3 6.3V

4 7.6V

5 8.8V

6 10.1V

7 11.3V

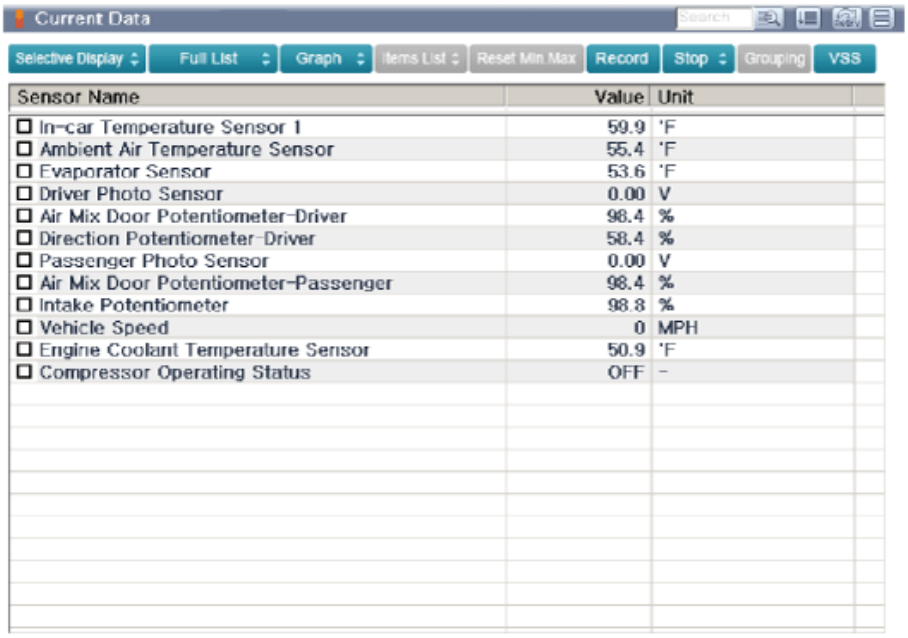
8 Battery

- Diagnosis With GDS

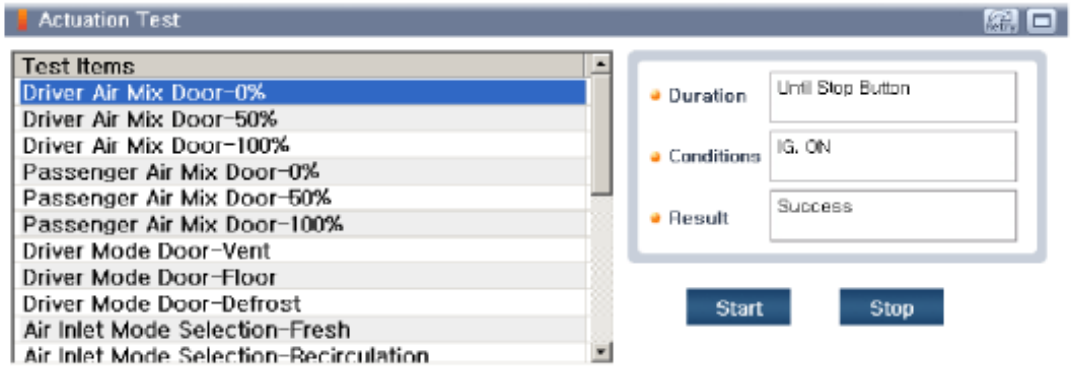
- The heating, ventilation and air conditioning can be quickly diagnosed failed parts with vehicle diagnostic system (GDS). ■ The diagnostic system (GDS) provides the following information. (1) Self diagnosis : Checking the failure code (DTC) and display. (2) Current data : Checking the system input/output data state. (3) Actuation test : Checking the system operation condition. (4) 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.

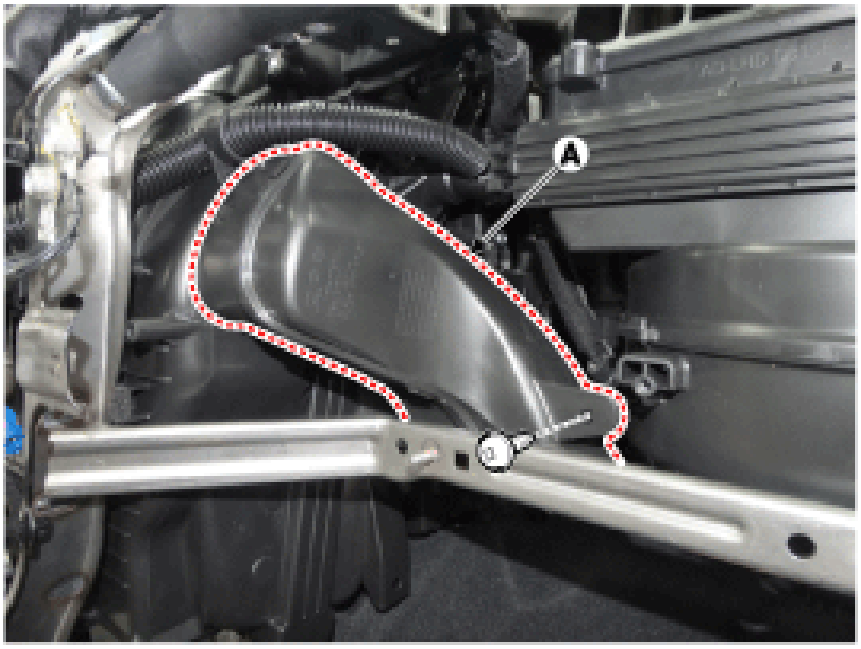
- Select the 'Current data' menu to search the current state of the input / output data. The input / output data for the sensors corresponding to the Power Mosfet can be checked.



- To perform compulsory operation on Power Mosfet input factors, select "ACTUATION TEST".

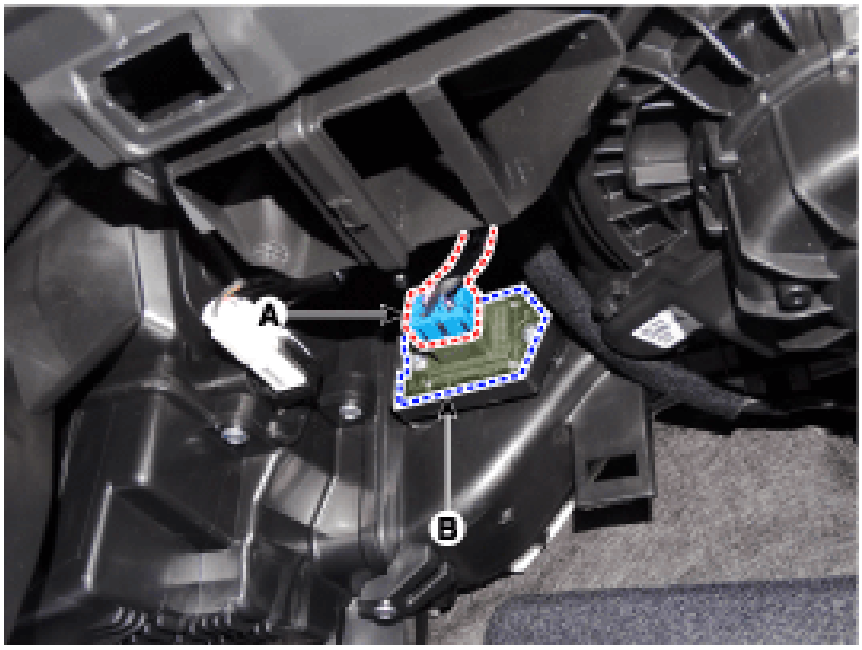


- Replacement
- Disconnect the negative (-) battery terminal.
- Remove the crash pad center panel. (Refer to Body - "Crash Pad Center Panel")
- Remove the passenger's side shower duct (A) after loosening the screw.



- Disconnect the power mosfet connector (A) and then remove the power mosfet (B) after loosening the mounting

screws.



- To install, reverse the removal procedure.