

Read Current Data

HVAC SYSTEM (DIAGNOSTICS)

10. Read Current Data

A: OPERATION

For details concerning the operation procedure, refer to “PC application help for Subaru Select Monitor”.

B: LIST

Items to be displayed	Unit of measure	Remarks	Note
Engine Speed	rpm	Data value received by CAN	—
Heater Control Panel Setting Value (Driver's)	LO: 18°C (64°F) HI: 32°C (90°F)	Control panel display value	Auto A/C
Heater Control Panel Setting Value (Passenger's)	LO: 18°C (64°F) HI: 32°C (90°F)	Control panel display value	Auto A/C
Blower outlet Door Request Temperature	°C (°F)	A/C CM internal setting value	Auto A/C
Blower outlet request temperature (Driver's)	°C (°F)	A/C CM internal setting value	Auto A/C
Blower outlet request temperature (Passenger's)	°C (°F)	A/C CM internal setting value	Auto A/C
Blower Fan Operating Condition	MANU/AUTO	A/C CM input value	Auto A/C
A/C Operating Condition	MANU/AUTO	A/C CM input value	Auto A/C
Fresh/Recircle Air Operating Condition	MANU/AUTO	A/C CM input value	Auto A/C
Mode Operating Condition	MANU/AUTO	A/C CM input value	Auto A/C
Rear Defogger	ON/OFF	A/C CM input value	—
In-vehicle Sensor Temperature	°C (°F)	A/C CM input value	Auto A/C
Evaporator Temperature	°C (°F)	A/C CM input value	—
Quantity of Sunload	W/m ²	A/C CM input value	Auto A/C
Refrigerant Pressure	MPa	A/C CM input value	—
Refrigerant Flow	kg/h	A/C CM input value	—
Air mix door actuator position (driver's side)	%	A/C CM input value	—
Air mix door actuator position (passenger's side)	%	A/C CM input value	Auto A/C
Fresh/Recircle Air Door Actuator Position	%	A/C CM input value	—
Mode Door Actuator Position	%	A/C CM input value	—
Heater Water Temperature	°C (°F)	Data value received by CAN	—
Ambient Air Temperature	°C (°F)	Data value received by CAN	—
Vehicle Speed	km/h	Data value received by CAN	—
Accel. Opening Angle	%	Data value received by CAN	—
Target air mix door actuator position (driver's side)	%	A/C CM input value	—
Target air mix door actuator position (passenger's side)	%	A/C CM input value	Auto A/C
Fresh/Recircle Air Door Actuator Position Target	%	A/C CM input value	—
Mode Door Actuator Position Target	%	A/C CM input value	—
Blower Fan Level	Level	A/C CM output value	Auto A/C
Compressor operating conditions (CAN transmission signal)	ON/OFF	CAN transmitted data value	Auto A/C
Variable Flow Change Solenoid Duty	%	A/C CM output value	—
Evaporator Temperature Target	°C (°F)	A/C CM input value	—
Variable Load Compressor Torque Value	Nm	A/C CM input value	—
Request idle engine speed	rpm	A/C CM output value	—
Request engine speed	0: Without Request 1: Cooler H 2: Heater H 3: Cooler L 4: Heater L	A/C CM output value	—
Discharge pressure	MPa	A/C CM input value	—
Intake pressure	MPa	A/C CM input value	—

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Items to be displayed	Unit of measure	Remarks	Note
Cooler request distinction	Without Request/With Request	A/C CM output value	—
Heater request distinction	Without Request/With Request	A/C CM output value	—

NOTE:

For detailed operation procedures, refer to “PC application help for Subaru Select Monitor”.