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Reference Value

M.U.T.-III SE DATA MONITOR REFERENCE VALUES

note

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to M.U.T.-III SE display items.

Monitor item	Condition	Value/Status
IN-VEH TEMP	Ignition switch ON	Equivalent to in-vehicle temperature (Display range: -40 - 215° C)
INT TEMP SEN	Ignition switch ON	Equivalent to evaporator fin temperature (Display range: -40 - 215° C)
SUNLOAD SEN	Ignition switch ON	Equivalent to sunload amount (Display range: 0 - 1045 W/m ²)
AMB SEN CAL	Ignition switch ON	Equivalent to ambient temperature (Display range: -40 - 215° C)
IN-VEH CAL	Ignition switch ON	Equivalent to in-vehicle temperature (Display range: -40 - 215° C)

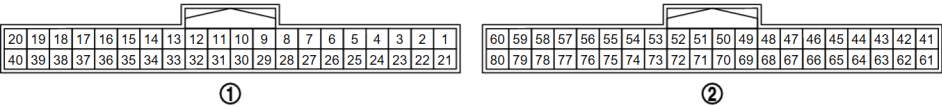
Monitor item	Condition		Value/Status
PASS IN CAL	Ignition switch ON		Equivalent to passenger side in-vehicle temperature (Display range: -40 - 215° C)
INT TEMP CAL	Ignition switch ON		Equivalent to evaporator fin temperature (Display range: -40 - 215° C)
SUNL SEN CAL	Ignition switch ON		Equivalent to sunload amount (Display range: 0 - 1045 W/m ²)
XM	Ignition switch ON		Value according to target air flow temperature (driver side) (Display range: -100 - 150)
FAN REQ SIG	Engine: Run at idle after warming up	Front blower motor: ON	On
		Front blower motor: OFF	Off
COMP REQ SIG	Engine: Run at idle after warming up	A/C switch: ON	On
		A/C switch: OFF	Off
A/C comp clutch status	Engine: Run at idle after warming up	A/C switch: ON	On
		A/C switch: OFF	Off
RR XM	Ignition switch ON		Value according to target air flow temperature (rear) (Display range: -100 - 150° C)
Assist seat target air temperature	Ignition switch ON		Value according to target air flow

Monitor item	Condition		Value/Status
			temperature (passenger side) (Display range: -100 - 150)
Blower fan duty	Engine: Run at idle after warming up	Front blower motor: ON	• 16 – 61%^{*1} • 16 – 66%^{*2} (Display range: 0 - 100%)
		Front blower motor: OFF	0
AMB TEMP SEN	Ignition switch ON		Equivalent to ambient temperature (Display range: -50 - 70° C)
Vehicle speed	When driving the vehicle		Equivalent to speedometer reading
ODO/TRIP METER	Ignition switch ON		Equivalent to odometer reading
Engine RPM	Engine: Running		Equivalent to tachometer reading
ENG COOL TEMP	Ignition switch ON		Equivalent to engine coolant temperature

*1: With rear air control

*2: Without rear air control

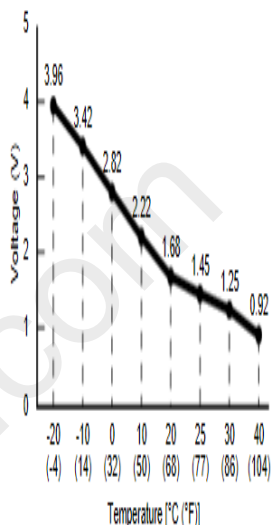
TERMINAL LAYOUT



Gray Black

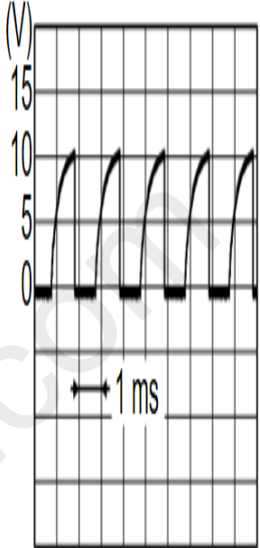
PHYSICAL VALUES

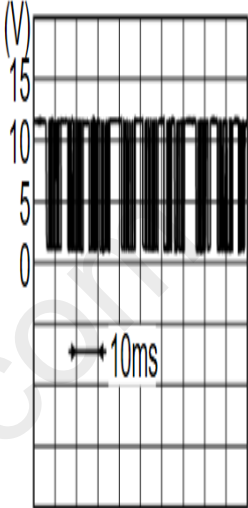
Terminal No. (Wire color)		Description		Condition	Value
+	-	Signal name	Input/Output		
1 (LA/LG)	58 (B)	Door motor power supply	Output	Ignition switch ON	10.5 – 16 V
2 (LA/G)	58 (B)	LIN (door motor)	Input/Output	Ignition switch ON	

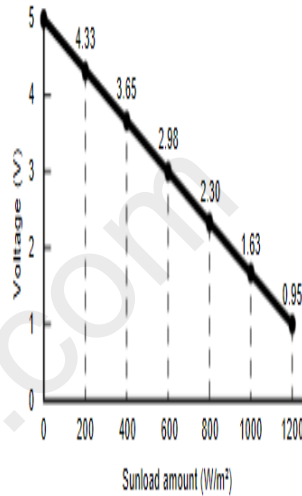
Terminal No. (Wire color)		Description		Condition	Value
+	—	Signal name	Input/Output		
23 (LA/SB)	26 (BR)	Intake sensor signal	Input	Ignition switch ON	
26 (BR)	Ground	Sensor ground (intake)	—	Ignition switch ON	0 – 0.1 V
27 (LA/B)	Ground	Door motor ground	—	Ignition switch ON	0 – 0.1 V

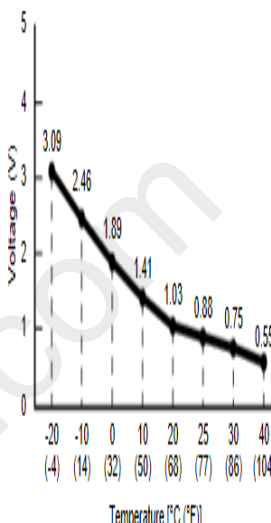
Terminal No. (Wire color)		Description		Condition		Value
+	-	Signal name	Input/Output			
34 (G)	58 (B)	Blower motor control	Output	Ignition switch ON	Front blower motor: OFF	10.5 – 16 V
cardiagn.com						

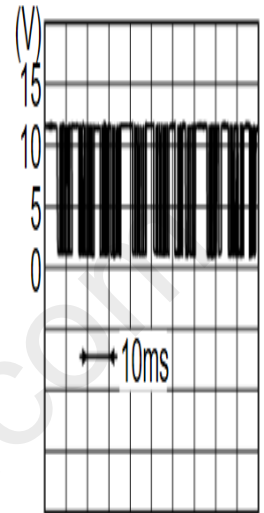
Terminal No. (Wire color)		Description		Condition	Value
+	-	Signal name	Input/Output		
				Front blower motor: 1st speed (manual)	

Terminal No. (Wire color)		Description		Condition	Value
+	-	Signal name	Input/Output		
				Front blower motor: 7th speed (manual)	

Terminal No. (Wire color)		Description		Condition	Value
+	-	Signal name	Input/Output		
45 (LA/G)	58 (B)	LIN (heated seat)	Input/Output	Ignition switch ON	

Terminal No. (Wire color)		Description		Condition	Value																
+	-	Signal name	Input/Output																		
47 (G)	78 (W)	Sunload sensor signal	Input	Ignition switch ON	 <table><caption>Sunload Sensor Characteristic Data</caption><thead><tr><th>Sunload amount (W/m²)</th><th>Voltage (V)</th></tr></thead><tbody><tr><td>0</td><td>5.00</td></tr><tr><td>200</td><td>4.33</td></tr><tr><td>400</td><td>3.65</td></tr><tr><td>600</td><td>2.98</td></tr><tr><td>800</td><td>2.30</td></tr><tr><td>1000</td><td>1.63</td></tr><tr><td>1200</td><td>0.95</td></tr></tbody></table>	Sunload amount (W/m²)	Voltage (V)	0	5.00	200	4.33	400	3.65	600	2.98	800	2.30	1000	1.63	1200	0.95
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800	2.30																				
1000	1.63																				
1200	0.95																				

Terminal No. (Wire color)		Description		Condition		Value
+	—	Signal name	Input/Output			
48 (Y)	78 (W)	In-vehicle sensor signal	Input	Ignition switch ON		
50 (LA/L)	—	CAN-H	Input/Output	—		—
56 (BG)	58 (B)	Heated steering wheel relay control signal	Output	Engine running	Heated steering wheel switch: ON	0 – 0.1 V
					Other than the above	10.5 – 16 V
58 (B)	Ground	Ground	—	Ignition switch ON		0 – 0.1 V
60 (LA/R)	58 (B)	Accessory power supply	Input	Ignition switch OFF (auto ACC status) or ON		10.5 – 16 V
				Ignition switch OFF (not auto ACC status)		0 – 0.1 V

Terminal No. (Wire color)		Description		Condition	Value
+	—	Signal name	Input/Output		
68 (LA/P)	58 (B)	LIN (A/C control)	Input/Output	Ignition switch ON	
70 (LA/P)	—	CAN-L	Input/Output	—	—
78 (W)	Ground	Sensor ground (in-vehicle, sunload)	—	Ignition switch ON	0 – 0.1 V