

9. Read Current Data

A: OPERATION

- 1) On the «Main Menu» display screen, select {Each System Check}.
- 2) On the «System Selection Menu» display screen, select the {Integ. unit mode}.
- 3) On the «Integ. unit mode failure diag» display screen, select the {Current Data Display & Save}.
- 4) Using the scroll key, scroll the display screen up or down until the desired data is shown.

B: LIST

Items to be displayed	Unit of measure	Remarks	Note
BATT voltage (control)	10 — 15 V	Body integrated unit input value	Always
BATT voltage (BACKUP)	10 — 15 V	Body integrated unit input value	Always
IG Power Supply Voltage	10 — 15 V	Body integrated unit input value	Ignition switch ON
ACC voltage	10 — 15 V	Body integrated unit input value	Ignition switch ACC
Illumination VR Voltage	0 — 5 V	Body integrated unit output value	Input value from illumination volume
Illumi. output d-ratio	0 — 100%	Body integrated unit input value	Small light ON Illumination volume is other than bright.
Ambient Temperature	−40 — 87.5°C	Body integrated unit output value	Ignition switch ON
Fuel level voltage	0 — 10 V	Body integrated unit input value	Ignition switch ON
Fuel level resistance	0 — 102.3 Ω	Body integrated unit input value	Ignition switch ON
key-lock solenoid V	6 — 15 V	Body integrated unit output value	Key warning switch ON, other than parking range Ignition ON
number of regist.	0 — 4	Number of keyless key registered	Number of transmitter registered is displayed
Front Wheel Speed	km/h	CAN data input value	Reception from VDC unit
VDC/ABS latest f-code	DTC display (Temporarily)	CAN data input value	It is normal when DTC is not been input even if this code is displayed. Received from VDC (displayed by hexadecimal number system)
Blower Fan Steps	0 — 2 levels	CAN data input value	0: OFF, 1: Low, 2: 2 levels or more Reception from air conditioner ECM
Fuel level resistance 2	0 — 102.3 Ω	CAN data output value	Reception from body integrated unit
Fuel consumption	cc/s	CAN data input value	Reception from ECM and transmission to center monitor
Coolant Temp.	−40 — 130°C	CAN data input value	Reception from ECM
Vehicle lateral G	m/s ²	CAN data input value	Reception from VDC unit
SPORT Shift Stages	0 — 7 levels	CAN data input value	(0: Light OFF; 1 — 5: Gear display; 6: Fail; 7: ATF temperature High/Low) Reception from TCM
Shift Position	0 — 7 levels	CAN data input value	0: 1; 1: 2; 2: 3; 3: 4; 4: D; 5: N; 6: R; 7: P shift position (There is no 8 input.) 8 is displayed in manual mode Reception from TCM
VDC/ABS condition	0 — 4	CAN data input value	
Destination Code	0 — 16	CAN data input value	
Touch SW	0 — 64	CAN data input value	
key-lock warning SW	ON/OFF	Body integrated unit input value	ON when ignition key is inserted
Stop Light Switch	ON/OFF	Body integrated unit input value	ON when brake pedal is depressed
Front fog lamp SW input	ON/OFF	Body integrated unit input value	When front fog light switch is ON
TPMS input	ON/OFF	Body integrated unit input value	Registration done signal
Door key-lock SW input	ON/OFF	Body integrated unit input value	Not supported
Door unlock SW input	ON/OFF	Body integrated unit input value	Not supported
Driver's door SW input	ON/OFF	Body integrated unit input value	ON when driver's door is open

Read Current Data

LAN SYSTEM (DIAGNOSTICS)

Items to be displayed	Unit of measure	Remarks	Note
P-door SW input	ON/OFF	Body integrated unit input value	ON when passenger's door is open
Rear right door SW input	ON/OFF	Body integrated unit input value	ON when rear right door is open
Rear left door SW input	ON/OFF	Body integrated unit input value	ON when rear left door is open
R Gate SW input	ON/OFF	Body integrated unit input value	ON when trunk/rear gate is open
Manual lock SW input	ON/OFF	Body integrated unit input value	Manual lock switch ON
Manual unlock SW input	ON/OFF	Body integrated unit input value	Manual unlock switch ON
Lock SW	ON/OFF	Body integrated unit input value	Not supported
Bright SW input	ON/OFF	Body integrated unit input value	ON when bright switch is ON
P SW	ON/OFF	Body integrated unit input value	ON when shift range is in parking Shift lever P SW signal
MT Reverse Switch	ON/OFF	Body integrated unit input value	Shift lever is at reverse position
R wiper ON SW input	ON/OFF	Body integrated unit input value	Rear wiper switch ON
R wiper INT SW input	ON/OFF	Body integrated unit input value	Rear wiper switch INT ON
R washer SW input	ON/OFF	Body integrated unit input value	Rear washer switch ON
wiper deicer SW input	ON/OFF	Body integrated unit input value	Wiper deicer switch ON
Rear Defogger SW	ON/OFF	Body integrated unit input value	Rear defogger switch ON (only manual A/C)
Driver's Seat SW input	ON/OFF	Body integrated unit input value	Driver's seat buckle switch ON
P seatbelt SW input	ON/OFF	Body integrated unit input value	With passenger's seat occupied and buckle switch ON
Fr wiper input	ON/OFF	Body integrated unit input value	ON when front wiper is operating
Parking Brake Switch Input	ON/OFF	Body integrated unit input value	When parking brake locked
Registration SW input	ON/OFF	Body integrated unit input value	When keyless registration connector is connected
Identification SW input	ON/OFF	Body integrated unit input value	ON with wagon
Driver's seat lock status SW input	ON/OFF	Body integrated unit input value	ON with door locked condition
Passenger's seat lock status SW input	ON/OFF	Body integrated unit input value	ON with door locked condition
R gate lock status SW input	ON/OFF	Body integrated unit input value	ON with door locked condition
R Gate Release SW input	ON/OFF	Body integrated unit input value	When rear gate opener button is ON
Rr defogger output	ON/OFF	Body integrated unit output value	ON when rear defogger relay is operating
lock actuat. LOCK output	ON/OFF	Body integrated unit output value	ON when lock signal is output
All seat UNLOCK output	ON/OFF	Body integrated unit output value	ON when unlock signal is output
D-seat UNLOCK output	ON/OFF	Body integrated unit output value	ON when unlock signal is output
R gate/trunk UNLK output	ON/OFF	Body integrated unit output value	ON when rear gate/trunk unlock signal is output
R wiper output	ON/OFF	Body integrated unit output value	ON when rear wiper motor is operating
Shift Lock Solenoid	ON/OFF	Body integrated unit output value	ON when shift lock solenoid is ON (only AT)
Key locking output	ON/OFF	Body integrated unit output value	With ignition switch ON and in other than the shift P range, with key in switch ON
wiper deicer output	ON/OFF	Body integrated unit output value	ON when wiper deicer relay is operating
Hazard Output	ON/OFF	Body integrated unit output value	ON when answer-back signal is received or when hazard is operating
Keyless Buzzer Output	ON/OFF	Body integrated unit output value	ON when lock/unlock signal is received
Horn Output	ON/OFF	Body integrated unit output value	ON when security warning is operating
P-belt warning light O/P	ON/OFF	Body integrated unit output value	ON when Ignition switch is turned to ON, occupant is seated, and buckle switch is turned off

Read Current Data

LAN SYSTEM (DIAGNOSTICS)

Items to be displayed	Unit of measure	Remarks	Note
Illumination lamp O/P	ON/OFF	Body integrated unit output value	ON when illumination is illuminated
Room lamp output	ON/OFF	Body integrated unit output value	ON when keyless lock/unlock signal is received (when keyless switch connector is removed)
key illumi. lamp o/p	ON/OFF	Body integrated unit output value	ON when key illumination light is illuminated
Immobilizer lamp output	ON/OFF	Body integrated unit output value	ON when immobilizer pilot light blinks
CC Main Lamp	ON/OFF	CAN data input value	Cruise control switch ON Reception from ECM and transmission to combination meter
CC Set Lamp	ON/OFF	CAN data input value	ON when cruise control vehicle speed is set Reception from ECM and transmission to combination meter
SPORT Lamp	ON/OFF	CAN data input value	SPORT mode switch ON Reception from TCM and transmission to combination meter (only AT)
SPORT Blink	Blink/OFF	CAN data input value	Blinks when there is an AT failure Reception from TCM and transmission to combination meter (only AT)
ATF Temperature Lamp	ON/OFF	CAN data input value	When ATF temperature rise (only AT)
ATF Blink	Blink/OFF	CAN data input value	Blinks when there is an AT failure Reception from TCM and transmission to combination meter (only AT)
Tire diameter abnormal 1	ON/OFF	CAN data input value	Lit when FWD fuse is connected (4AT only)
Tire diameter abnormal 2	Blink/OFF	CAN data input value	Blinks when the difference in rotation between front and rear wheels is 4% or more Reception from TCM and transmission to combination meter (only AT)
Shift Up Indication	UP/OFF	Body integrated unit input value	ON when shift lever can be operated up (only AT)
Shift Down Indication	DOWN/OFF	Body integrated unit input value	ON when shift lever can be operated down (only AT)
SPORT Shift (buzzer 1)	ON/OFF	CAN data input value	ON while the shift change prohibited warning buzzer is operating Reception from TCM and transmission to combination meter (only AT)
SPORT Shift (buzzer 2)	ON/OFF	CAN data input value	ON when the ATF high temperature warning buzzer is operating Reception from TCM and transmission to combination meter (only AT)
ABS/VDC Judging	ABS/VDC	CAN data input value	Transmission from vehicle dynamic control (VDC) to high speed control module
Lh Turn	ON/OFF	CAN data input value	Not supported
Rh Turn	ON/OFF	CAN data input value	Not supported
Rr Defogger SW	ON/OFF	CAN data input value	Rear defogger switch ON From A/C ECM

Read Current Data

LAN SYSTEM (DIAGNOSTICS)

Items to be displayed	Unit of measure	Remarks	Note
Australia Judging Flag	Australia/Others	Body integrated unit output value	North American specifications have others
large Diameter Tire	Large Tire/Others	Body integrated unit output value	Large Tire when standard tire is 18 in. Reception from combination meter
Number of cylinders	4 cylinders/6 cylinders	CAN data input value	Display engine equipped
Cam shaft specification	SOHC/DOHC	CAN data input value	Display engine equipped
Turbo	TURBO/Non-turbo	CAN data input value	Display engine equipped
E/G displacement (2.5 L)	2.5 L/ OFF	CAN data input value	Display engine equipped
E/G displacement (3.0 L)	3.0 L/ OFF	CAN data input value	Display engine equipped
AT Vehicle ID Signal	AT model / MT model	CAN data input value	Display transmission equipped
Blower fan information	ON/OFF	CAN data input value	ON when blower fan is operating (always OFF for auto A/C equipped models)
Door lock SW (Open)	ON/OFF	CAN data input value	
Door lock SW (Close)	ON/OFF	CAN data input value	
Door Key SW (Open)	ON/OFF	CAN data input value	
Door Key SW (Close)	ON/OFF	CAN data input value	
Under hook registration	ON/OFF	CAN data input value	
Hook registration end	ON/OFF	CAN data input value	
Unlock request	ON/OFF	CAN data input value	
Center display failure	OK/NG	CAN data input value	NG when there is a center display failure Reception from center display (NAVI monitor)
NAVI Failure	OK/NG	CAN data input value	NG when there is a navigation system failure Reception from Center Display
IE Bus failure	Can not use	CAN data input value	Reception from Center Display
Auto A/C failure	OK/NG	CAN data input value	NG when there is a failure in auto air conditioning system Reception from auto A/C module
EBD Warning Light	OK/OFF	CAN data input value	OK when EBD warning light is illuminated Reception from VDC/ABS and transmission to combination meter
ABS Warning Light	OK/OFF	CAN data input value	OK when ABS warning light is illuminated Reception from VDC/ABS and transmission to combination meter
VDC OFF flag	ON/OFF	CAN data input value	Vehicle dynamics control OFF SW is ON Reception from VDC/ABS and transmission to combination meter
VDC/ABS OK B	OK/NG	CAN data input value	NG when there is an error in VDC/ABS system Reception from VDC/ABS
Lighting I Switch Input	ON/OFF	Body integrated unit input value	ON when lighting switch, illumination is ON
Lighting II Switch Input	ON/OFF	Body integrated unit input value	ON when lighting switch, headlight is ON
Dimmer Hi Switch Input	ON/OFF	Body integrated unit input value	ON when dimmer switch is Hi beam position
Dimmer Pass Switch Input	ON/OFF	Body integrated unit input value	ON when dimmer switch is passing position
Lighting I Lamp Output	ON/OFF	Body integrated unit output value	ON when small light is illuminated
Lighting II Lamp Output	ON/OFF	Body integrated unit output value	ON when headlight is illuminated
Lighting Hi Lamp Output	ON/OFF	Body integrated unit output value	ON when Hi beam is illuminated
Front Fog Lamp Output	ON/OFF	Body integrated unit output value	ON when Front fog light is ON.
DRL Cancel Output	ON/OFF	Body integrated unit output value	When lighting switch is "Head" or dimmer & passing switch is "passing", parking switch is ON, ignition switch is "ACC", engine speed is 500 rpm or less

Read Current Data

LAN SYSTEM (DIAGNOSTICS)

Items to be displayed	Unit of measure	Remarks	Note
Power Supply Tr	ON/OFF	Body integrated unit output value	ON when lighting switch is "Head" position without inserting key in key cylinder
Foot Lamp Output	ON/OFF	Body integrated unit output value	ON when foot light RH, foot light LH is illuminated
Front Fog Lamp Output	ON/OFF	Body integrated unit output value	When fog light illuminates
Lighting I Switch Input	ON/OFF	Body integrated unit input value	ON when small light is illuminated
Lighting II Switch Input	ON/OFF	Body integrated unit input value	When headlight LO is ON
Dimmer Hi Switch Input	ON/OFF	Body integrated unit input value	When headlight HI is ON
Dimmer Pass Switch Input	ON/OFF	Body integrated unit input value	When headlight Pass is ON
Lighting I Lamp Output	ON/OFF	Body integrated unit output value	ON when tail & illumination relay is operated
Lighting II Lamp Output	ON/OFF	Body integrated unit output value	ON when headlight Lo relay is operated
Lighting Hi Lamp Output	ON/OFF	Body integrated unit output value	ON when headlight Hi relay is operated
Power Supply Tr	ON/OFF	Body integrated unit output value	Headlight auxiliary power supply ON
Foot Lamp Output	ON/OFF	Body integrated unit output value	ON when foot light is illuminated
Rr defogger op. mode	Continuous/Normal	Body integrated unit setting items	Customize setting
Wiper deicer op. mode	Continuous/Normal	Body integrated unit setting items	Customize setting
Security Alarm Setup	ON/OFF	Body integrated unit setting items	Customize setting
Impact Sensor Setup	ON/OFF	Body integrated unit setting items	Customize setting
Alarm delay setup	ON/OFF	Body integrated unit setting items	Customize setting
Lockout prevention	ON/OFF	Body integrated unit setting items	Customize setting
Impact sensor	ON/OFF	Body integrated unit setting items	Customize setting
Hazard answer-back setup	ON/OFF	Body integrated unit setting items	Customize setting
Automatic locking setup	ON/OFF	Body integrated unit setting items	Customize setting
Auto locking	ON/OFF	Body integrated unit setting items	Customize setting
Door open warning	ON/OFF	Body integrated unit setting items	Customize setting
Dome Light Alarm Setting	ON/OFF	Body integrated unit setting items	Customize setting
Belt Warning Switch	ON/OFF	Body integrated unit setting items	Customize setting
A/C ECM setting	ON/OFF	Body integrated unit setting items	Customize setting
wiperdeicer	ON/OFF	Body integrated unit setting items	Customize setting
Rear fog light setting	ON/OFF	Body integrated unit setting items	Customize setting
Illumination Control On/Off	ON/OFF	Body integrated unit setting items	Customize setting
Sedan/Wagon Setting	Sedan/wagon	Body integrated unit setting items	Customize setting
MT/AT Setting	MT/AT	Body integrated unit setting items	Customize setting
6MT Setting	6MT/Other than 6MT	Body integrated unit setting items	Customize setting
Destination Setting	0 — 16	Body integrated unit setting items	—
Factory or Market setting	Factory/Market	Body integrated unit setting items	Customize setting

NOTE:

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