

General Diagnostic Table

LAN SYSTEM (DIAGNOSTICS)

13.General Diagnostic Table

A: INSPECTION

Item	Operation	Specifications		Note
		YES	NO	
Diagnostic code	DTC is not displayed when inspecting all DTCs.	System is normal.	Perform the diagnosis according to DTC.	—
Engine coolant temperature	Engine coolant temperature gauge displays correctly without engine coolant temperature warning light illuminating/blinking.	System is normal.	Refer to the following to check. • Engine cooling system • LAN system	If three data values are different when display the current data of ECM, TCM and body integrated unit, it is possible that driving system CAN is malfunction.
Remaining fuel level	Fuel gauge displays correctly without low fuel warning light remaining illuminated.	System is normal.	Refer to the following to check. • Combination meter system • LAN system	If the values of “Fuel level resistance” and “Fuel level resistance 2” are different when display the current data of body integrated unit, it is possible that body integrated unit is malfunction.
ATF temperature warning light	ATF temperature warning light is free from illuminating/blinking.	System is normal.	Refer to the following to check. • Automatic transmission • Shift lock control system • LAN system	Warning light also blinks when DTC: B1106 occurs.
EBD warning light ABS warning light VDC warning light Hill start assist warning light	EBD warning light/ABS warning light/VDC warning light/Hill start assist warning light are free from ON/OFF all the time.	System is normal.	Refer to the following to check. • VDC (diagnostics) • Parking brake • Combination meter system • LAN system	—
Shift position	Meter display of shift position is correct. Shift position changes when switch the shift (up/down) on manual mode.	System is normal.	Refer to the following to check. • Automatic transmission • Combination meter system • LAN system	—
Clearance light Low beam High beam	Clearance light/low beam/high beam illuminate correctly by switch operation. Indicator in the meter illuminates when clearance light/high beam are illuminating.	System is normal.	Refer to the following to check. • Lighting system • Combination meter system • LAN system	—
Fog light	Fog light illuminates correctly by switch operation. Indicator in the meter illuminates when each fog light is illuminating.	System is normal.	Refer to the following to check. • Lighting system • Combination meter system • LAN system	—

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		YES	NO	
DRL	DRL operates correctly.	System is normal.	Refer to the following to check. • Lighting system • LAN system	—
Key interlock	Key cannot be removed in other than P range. Key can be removed in P range.	System is normal.	Refer to the following to check. • Shift lock control system • LAN system	—
Shift Lock	Shift operation is normal.	System is normal.	Refer to the following to check. • Shift lock control system • Combination meter system • LAN system	—
Key warning switch alarm	Alarm sounds when driver's door is open with the key removed.	System is normal.	Refer to the following to check. • Combination meter system • LAN system	—
Seat belt warning alarm	Indicator in the meter illuminate and alarm sounds when driver's seat belt is not worn. Indicator in the clock illuminates. When passenger's seat is occupied without passenger's seat belt worn. Alarm sounds when vehicle speed is approx. 15 km/h without seat belt fastened.	System is normal.	Refer to the following to check. • Seat belt warning system • Combination meter system • LAN system	—
Rear window defogger	Rear window defogger operates by operating the switch. Indicator in the switch illuminates when rear window defogger is operating.	System is normal.	Refer to the following to check. • Rear window defogger • A/C control module	—
Wiper deicer	Wiper deicer operates by operating the switch. (When the outside temperature is 5°C or higher, press the switch for three seconds or more to operate forcibly, otherwise the wiper deicer operation will be cancelled.)	System is normal.	Refer to the following to check. • Wiper deicer system • A/C control module	—
Rear wiper	Rear wiper operates by operating the switch.	System is normal.	Refer to the following to check. • Wiper and washer system	Vehicle speed response time varies depending on the condition of customization of the body integrated unit "Sedan/Wagon Setting".
Door lock	Lock/unlock operates by operating the central door lock switch. Rear gate opens by operating the rear gate opener button.	System is normal.	Refer to the following to check. • Security and locks • LAN system	Rear gate cannot open by operating the rear gate opener button when customization of the body integrated unit "Sedan/Wagon Setting" is set to "Sedan".

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		YES	NO	
Keyless entry	Lock/unlock operates by operating the keyless transmitter. Trunk/rear gate unlocks by operating the trunk opener button and rear gate lock/unlock button.	System is normal.	Refer to the following to check. • Security and locks • LAN system	Rear gate swung to open by operating the trunk/rear gate unlock button when customization of the body integrated unit "Sedan/Wagon Setting" is set to "Sedan".
Hazard lights	Answer back operates by operating lock/unlock with the keyless entry.	System is normal.	Refer to the following to check. • Security and locks • LAN system	—
Room light	ON/OFF according to the door open/close operation, the lock/unlock operation with the keyless entry, and the ignition operation.	System is normal.	Refer to the following to check. • Room light system • Security and locks • LAN system	—
Map light (model with sun-roof)	ON/OFF according to the door open/close operation except rear gate, the lock/unlock operation with the keyless entry, and the ignition operation.	System is normal.	Refer to the following to check. • Spot map light • Security and locks • LAN system	—
Key illumination	ON/OFF according to the driver's door open/close operation, the lock/unlock operation with the keyless entry, and the ignition operation.	System is normal.	Refer to the following to check. • Ignition switch illumination • Security and locks • LAN system	Key illumination blinks when customization of the body integrated unit "Factory initial setting" is set to "Factory" for models with keyless entry.
Illumination control	Illumination volume control is available.	System is normal.	Refer to the following to check. • Combination meter system • LAN system	Lighting adjustment is not possible when customization of the body integrated unit "Illumination Control On/Off" is set to "Off".
Engine start	Engine starts normally.	System is normal.	Refer to the following to check. • Engine (diagnostics) • Immobilizer • LAN system	—
Vehicle security	When locked by the keyless entry, security monitor condition starts. When unlocked by the keyless entry, security is released.	System is normal.	Refer to the following to check. • Security and locks • LAN system	When the "Impact sensor" setup is set to "ON" without connecting the impact sensor (dealer option), the alarm operates as soon as security monitor condition occurs.

WIRING SYSTEM SECTION

WIRING SYSTEMWI

This service manual has been prepared to provide SUBARU service personnel with the necessary information and data for the correct maintenance and repair of SUBARU vehicles.

This manual includes the procedures for maintenance, disassembling, reassembling, inspection and adjustment of components and diagnostics for guidance of experienced mechanics.

Please peruse and utilize this manual fully to ensure complete repair work for satisfying our customers by keeping their vehicle in optimum condition. When replacement of parts during repair work is needed, be sure to use SUBARU genuine parts.

All information, illustration and specifications contained in this manual are based on the latest product information available at the time of publication approval.

WIRING SYSTEM

WI

	Page
1. Basic Diagnostic Procedure	3
2. Working Precautions	14
3. Power Supply Circuit	15
4. Ground Circuit	23
5. Engine Electrical System	32
6. Radiator Fan System	44
7. Charging System	45
8. Starter System	46
9. Remote Engine Start System	47
10. AT Control System	52
11. AT Shift Lock Control System	59
12. Vehicle Dynamics Control System	60
13. Tire Pressure Monitoring System	64
14. Air Conditioning System	65
15. Airbag System	73
16. Seat Belt Warning System	77
17. Occupant Detection System	78
18. Seat Heater System	79
19. Headlight System	80
20. Front Fog Light System	83
21. Back-up Light System	84
22. Stop Light System	85
23. Clearance Light and Illumination Light System	87
24. Turn Signal Light and Hazard Light System	92
25. Interior Light System	95
26. Front Wiper and Washer System	98
27. Rear Wiper and Washer System	99
28. Wiper Deicer System	101
29. Audio System	102
30. Front Accessory Power Supply Socket System	106
31. Rear Accessory Power Supply Socket System	107
32. Navigation System	108
33. Horn System	111
34. Power Window System	112
35. Remote Control Mirror System	116
36. Rear Defogger System	117
37. Combination Meter System	118
38. Speedometer System	123
39. Clock System	124
40. Fuel Gauge System	125
41. Coolant Temperature System	126
42. Oil Pressure Warning Light System	128
43. Parking Brake / Brake Fluid Level Warning Light System	129
44. Sunroof Control System	130
45. Security System	131

46.	Immobilizer System	135
47.	Keyless Entry System	136
48.	Cruise Control System	140
49.	CAN Communication System	144
50.	Rearview Mirror System	146
51.	Harness Components Location	147
52.	Front Wiring Harness	149
53.	Bulkhead Wiring Harness (In Engine Compartment)	151
54.	Bulkhead Wiring Harness (In Compartment)	153
55.	Engine Wiring Harness and Transmission Cord	156
56.	Instrument Panel Wiring Harness	158
57.	Rear Wiring Harness	160
58.	Door Cord	163
59.	Rear Wiring Harness and Trunk Lid Cord	165
60.	Rear Wiring Harness and Rear Gate Cord	167