

General Description

INSTRUMENTATION/DRIVER INFO

1. General Description

A: SPECIFICATION

1. COMBINATION METER ASSEMBLY

NOTE:

Specifications of the combination meter vary depending on the market and the grade.

- Gasoline engine model

Meter, display	Operation method, display method	Drive control	When checking the indicator needle operation/needle reading operation
Speedometer			
Tachometer	Stepping motor type	Combination meter	—
ECO gauge			
ABS warning light			
STEERING warning light			
AT oil temperature warning light			
Driver's seat belt warning light			
Door warning light			
Tire pressure warning light			
AWD warning light			
Hill start assist OFF indicator light / Hill start assist warning light			
VDC warning light / VDC indicator light			
VDC OFF indicator light			
High beam indicator light			
Front fog light indicator light			
Lighting indicator light			
Fuel level warning light			
Malfunction indicator light			
Airbag warning light			
Engine oil level warning light			
Washer fluid level warning light			
Lane departure warning OFF indicator light			
Pre-collision brake OFF indicator light			
Meter illumination back light			
LCD/TFT back-up light			
Engine coolant temperature warning light (red)			
Engine coolant temperature indicator light (blue)			
Oil pressure warning light	Oil pressure switch		
Charge warning light	Generator		
Turn signal indicator light	Turn signal and hazard unit		
Security/immobilizer indicator light	Body integrated unit		
Auto leveler warning light	Auto headlight beam leveler CM		
Parking brake/brake fluid level warning light	Combination meter/brake fluid level switch	On/Turns on or off according to module control	

General Description

INSTRUMENTATION/DRIVER INFO

Meter, display	Operation method, display method	Drive control	When checking the indicator needle operation/needle reading operation
Odo indicator			
Trip indicator			
Select lever / shift position indicator			
Information (intervention) display & indicator			
FUEL meter			
Cruise control system indicator			
<ul style="list-style-type: none"> Constant speed cruise SET Set speed 			
EyeSight system indicator			
<ul style="list-style-type: none"> Adaptive cruise SET READY EyeSight warning EyeSight temporary stop OFF Preceding vehicle Following distance setting Set speed 	LCD/TFT	Combination meter	—

General Description

INSTRUMENTATION/DRIVER INFO

- HEV model

Meter, display	Operation method, display method	Drive control	When checking the indicator needle operation/needle reading operation
Speedometer			
Tachometer	Stepping motor type	Combination meter	—
ECO gauge			
ABS warning light			
STEERING warning light			
AT oil temperature warning light			
Driver's seat belt warning light			
Door warning light			
Access key warning light			
Tire pressure warning light			
AWD warning light			
Hill start assist warning light			
VDC warning light / VDC indicator light			
VDC OFF indicator light			
High beam indicator light			
Front fog light indicator light			
Lighting indicator light			
Fuel level warning light			
Malfunction indicator light			
Airbag warning light			
Engine oil level warning light			
Washer fluid level warning light			
Oil pressure warning light			
Vacuum pump warning light			
Hybrid fail lamp			
EV mode lamp			
Hybrid READY indicator light			
Charge warning light			
Meter illumination back light			Light ON
LCD back light			Light ON
Engine coolant temperature warning light (red)			On (red)/Off
Engine coolant temperature indicator light (blue)			Off/On (blue)
Turn signal indicator light	Turn signal and hazard unit	Turns on or off according to module control	
Security/immobilizer indicator light	Body integrated unit		
Auto leveler warning light	Auto headlight beam leveler CM		
Pedestrian alert warning light	Pedestrian alert control unit	On/Turns on or off according to module control	
Parking brake/brake fluid level warning light	Combination meter/brake fluid level switch		

General Description

INSTRUMENTATION/DRIVER INFO

Meter, display	Operation method, display method	Drive control	When checking the indicator needle operation/needle reading operation
Odo indicator			
Trip indicator			
Select lever / shift position indicator			
FUEL meter			
Cruise control system indicator			
• Constant speed cruise			
• SET			
• Set speed			

2. MULTI-FUNCTION DISPLAY

NOTE:

Specifications of the multi-function display vary depending on the market and the grade.

- Standard type

Display	Display method
Average/instantaneous fuel economy, cruising distance, ambient temperature, current time, continuous driving time, average vehicle speed	LCD
Passenger's seat airbag indicator light	
Passenger's airbag ON indicator light	
Passenger's airbag OFF indicator light	LED
Passenger's seat belt warning light	

- High grade type

Display	Display method
Fuel economy screen, economy gauge (history) screen, EyeSight screen, preventive safety screen, triple meter screen, clock screen, setting screen, self-check screen, information screen, energy flow screen (HEV model), FUEL SAVE screen (HEV model)	TFT
Air conditioner display	LCD
Passenger's seat airbag indicator light	
Passenger's airbag ON indicator light	
Passenger's airbag OFF indicator light	LED
Passenger's seat belt warning light	

General Description

INSTRUMENTATION/DRIVER INFO

B: LOCATION

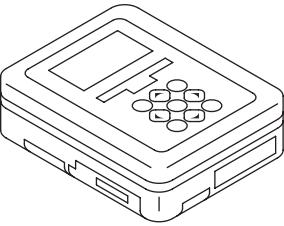
Refer to "LOCATION" of "INSTRUMENTATION/DRIVER INFO (DIAGNOSTICS)" section. <Ref. to IDI(diag)-6, LOCATION, Electrical Component Location.>

C: CAUTION

- Before disassembling or reassembling parts, always disconnect the battery ground cable from battery. When replacing the audio, control module and other parts provided with memory functions, record the memory contents before disconnecting the battery ground cable. Otherwise, the memory is cleared.
- Reassemble the parts in the reverse order of disassembly procedure unless otherwise indicated.
- Use gloves to avoid damage and getting fingerprints on the glass surface and meter surfaces.
- Do not apply an excessive force on the printed circuit.
- Do not drop or otherwise apply impact.
- Connect the connectors securely during reassembly.
- After reassembly, make sure that each component operates normally.
- When the combination meter assembly has been replaced, be sure to perform the following operations.
 - For models without the keyless access with push button start except for C0 and C5, be sure to perform the registration of immobilizer. For the relevant procedures, refer to the "REGISTRATION MANUAL FOR IMMOBILIZER".
 - Be sure to reset the ODO fuel economy value of the multi-function display (MFD). <Ref. to IDI-15, ODO FUEL ECONOMY VALUE RESET (HIGH GRADE TYPE ONLY), OPERATION, Multi-function Display (MFD) System.>
- Yellow connectors and harnesses with yellow tapes around them are the connectors and harnesses for the airbag system. Using a tester above such circuits may cause malfunction of airbag system. Follow the cautions of "AIRBAG SYSTEM" in this case. <Ref. to AB-10, CAUTION, General Description.>
- Be careful not to damage the airbag system wiring harness when servicing electrical parts and switches.
- If the steering wheel and steering angle sensor (steering roll connector) are removed, perform the VDC setting mode. <Ref. to VDC-26, ADJUSTMENT, VDC Control Module and Hydraulic Control Unit (VDC-CM&H/U).>

D: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST1B022XU0	1B022XU0	SUBARU SELECT MONITOR III KIT	Used for setting of each function and troubleshooting for electrical system. NOTE: For detailed operation procedures of SUBARU SELECT MONITOR III, refer to "PC application help for Subaru Select Monitor".

2. GENERAL TOOL

TOOL NAME	Remarks
Circuit tester	Used for measuring resistance and voltage.