

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.

Meter, display	Operation method, display method	Drive control	When checking the indicator needle operation/needle reading operation
Speedometer	Stepping motor type	Combination meter	—
Tachometer			
ECO gauge			

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Meter, display	Operation method, display method	Drive control	When checking the indicator needle operation/needle reading operation
ABS warning light	LED	Combination meter	On/Off
STEERING warning light			
AT oil temperature warning light			
Driver's seat belt warning light			
Door warning light			
Tire pressure warning light			
Access key warning light (model with keyless access)			
AWD warning light			
Hill start assist warning light			
VDC warning light / VDC operation 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			
EyeSight warning light			
Lane departure warning OFF indicator light			
Pre-collision brake OFF indicator light			
STAY ALERT indicator light			
OBSTACLE DETECTED indicator light			
LANE DEPARTURE indicator light			
Hill descent indicator 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)
Oil pressure warning light		Oil pressure switch	Turns on or off according to module control
Charge warning light		Generator	
Turn signal indicator light		Turn signal and haz- ard unit	
Security/immobilizer indicator light		Body integrated unit	
Auto leveler warning light		Auto headlight beam leveler CM	
Parking brake/brake fluid level/brake vacuum pump warn- ing light		Combination meter/ brake fluid level switch/ECM	On/Turns on or off according to module control

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Meter, display	Operation method, display method	Drive control	When checking the indicator needle operation/needle reading operation
ODO indicator Trip indicator Shift indicator Select lever / shift position indicator FUEL meter SI-DRIVE mode indicator X mode indicator Cruise control system indicator <ul style="list-style-type: none"> • Constant speed cruise • SET EyeSight system indicator <ul style="list-style-type: none"> • Adaptive cruise • Constant speed cruise • SET • READY • Preceding vehicle • Following distance setting • Set speed • Traffic lane • Steering wheel 	LCD	Combination meter	—

2. MULTI-FUNCTION DISPLAY

NOTE:

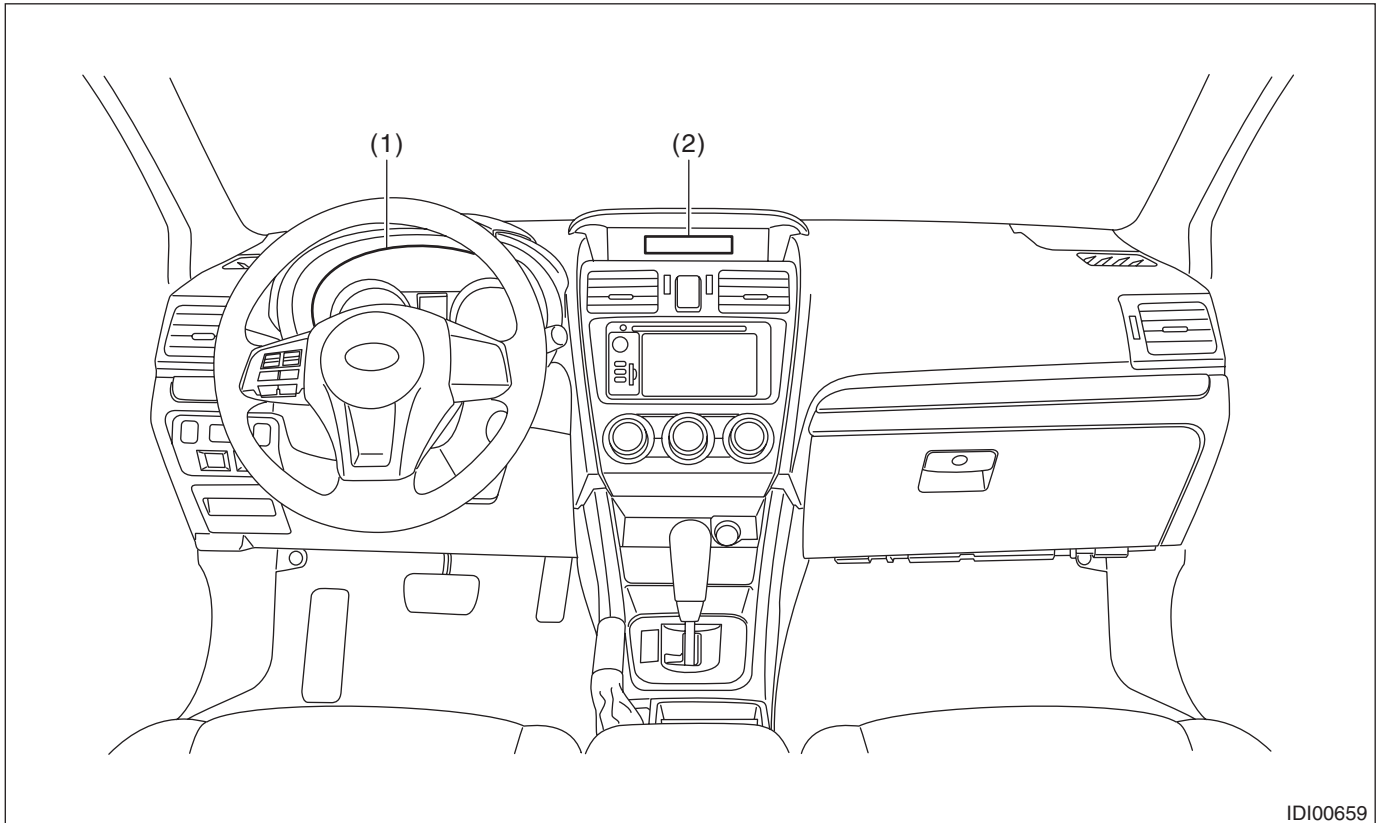
Specifications of the multi-function display vary depending on the market and the grade.

• 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	LED
Passenger's airbag ON indicator light	
Passenger's airbag OFF indicator light	
Passenger's seat belt warning light	

• High grade type

Display	Display method
Fuel economy screen, economy gauge (instantaneous) screen, economy gauge (history) screen, preventive safety screen, triple meter, clock screen, setting screen, self-check screen, information screen, EyeSight screen, audio screen	TFT
Air conditioner display (auto A/C model)	LCD
Passenger's seat airbag indicator light	LED
Passenger's airbag ON indicator light	
Passenger's airbag OFF indicator light	
Passenger's seat belt warning light	

B: LOCATION

IDI00659

(1) Combination meter ASSY

(2) Multi-function display (MFD)

C: CAUTION

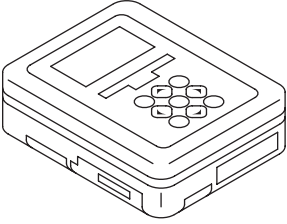
- Before disassembling or reassembling parts, always disconnect the battery ground cable from battery. When replacing the audio, control module and other parts provided with memory functions, record the memory contents before disconnecting the battery ground cable. Otherwise, the memory is cleared.
- 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-9, 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, adjust the steering angle sensor.<Ref. to VDC-23, ADJUSTMENT, VDC Control Module and Hydraulic Control Unit (VDC-CM&H/U).>

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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 trouble-shooting for electrical system. NOTE: For detailed operation procedures of SUBARU SELECT MONITOR III KIT, refer to "PC application help for Subaru Select Monitor".

2. GENERAL TOOL

TOOL NAME	REMARKS
Circuit tester	Used for measuring resistance and voltage.
Steering wheel puller	Used for removing the steering wheel.