

# General Description

## INSTRUMENTATION/DRIVER INFO

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### 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,<br>display method | Drive control     | When checking the<br>indicator needle<br>operation/needle<br>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   |  |               |   |
| 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                            |               |   |
| Charge warning light  | Generator                                      |               |   |
| 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                 |               |   |
| Parking brake/brake fluid level/brake vacuum pump warning 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         |                                  |               |   |
| • Constant speed cruise                 |                                  |               |   |
| • SET                                   |                                  |               |   |
| EyeSight system indicator               |                                  |               |   |
| • Adaptive cruise                       |                                  |               |   |
| • Constant speed cruise                 |                                  |               |   |
| • SET                                   |                                  |               |   |
| • READY                                 |                                  |               |   |
| • Preceding vehicle                     |                                  |               |   |
| • Following distance setting            |                                  |               |   |
| • Set speed                             |                                  |               |   |
| • Traffic lane                          |                                  |               |   |
| • Steering wheel                        |                                  |               |   |

## 2. MULTI-FUNCTION DISPLAY

### NOTE:

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

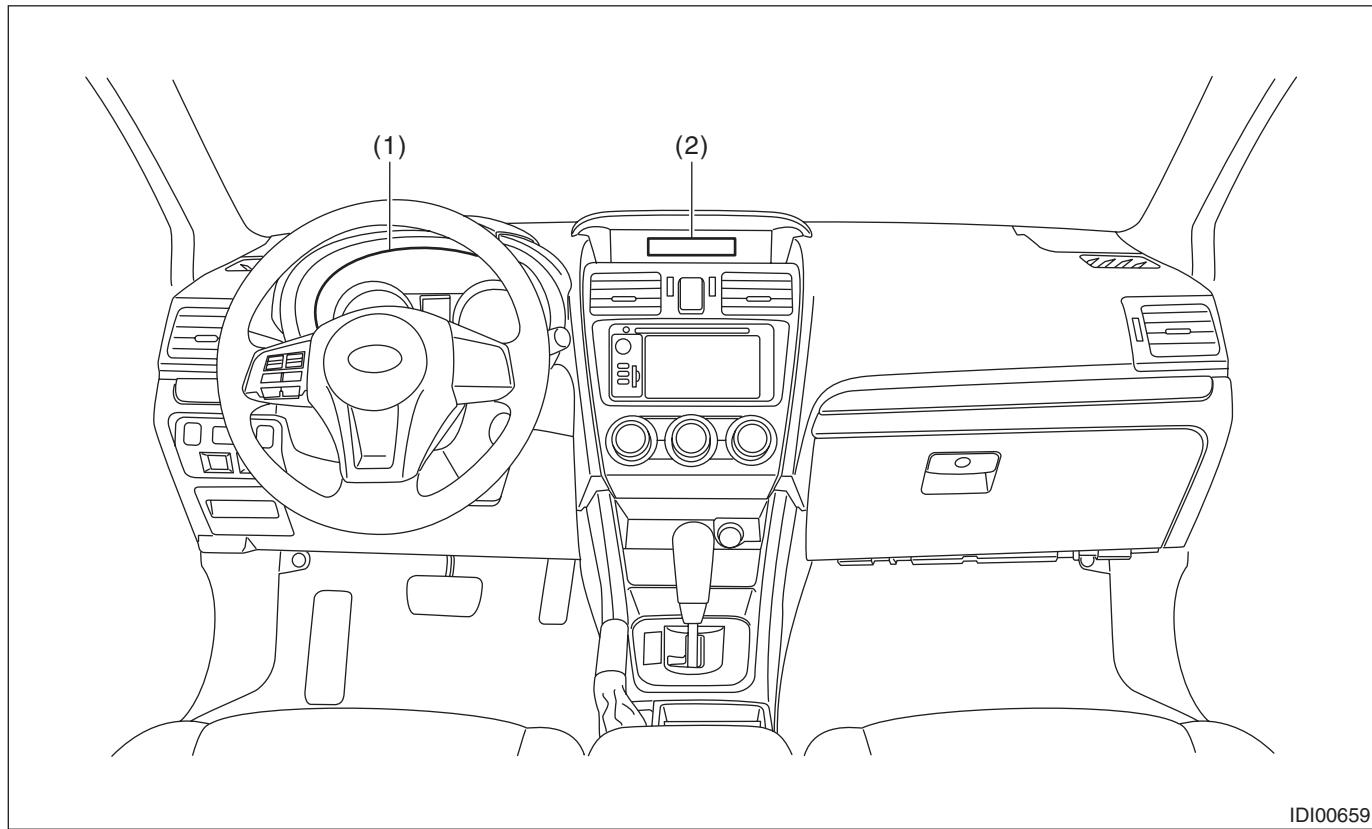
- Standard type

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

## B: LOCATION



(1) Combination meter ASSY

(2) Multi-function display (MFD)

## C: CAUTION

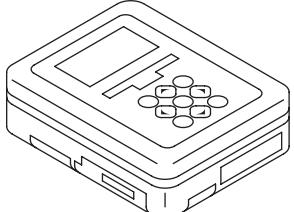
- Before disassembling or reassembling parts, always disconnect the battery ground cable from battery. When replacing the audio, control module and other parts provided with memory functions, record the memory contents before disconnecting the battery ground cable. Otherwise, the memory is cleared.
- 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  |
|---|-------------|-------------------------------|--|
| <br>ST1B022XU0 | 1B022XU0    | SUBARU SELECT MONITOR III KIT | Used for setting of each function and troubleshooting for electrical system.<br><br>NOTE:<br>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.      |