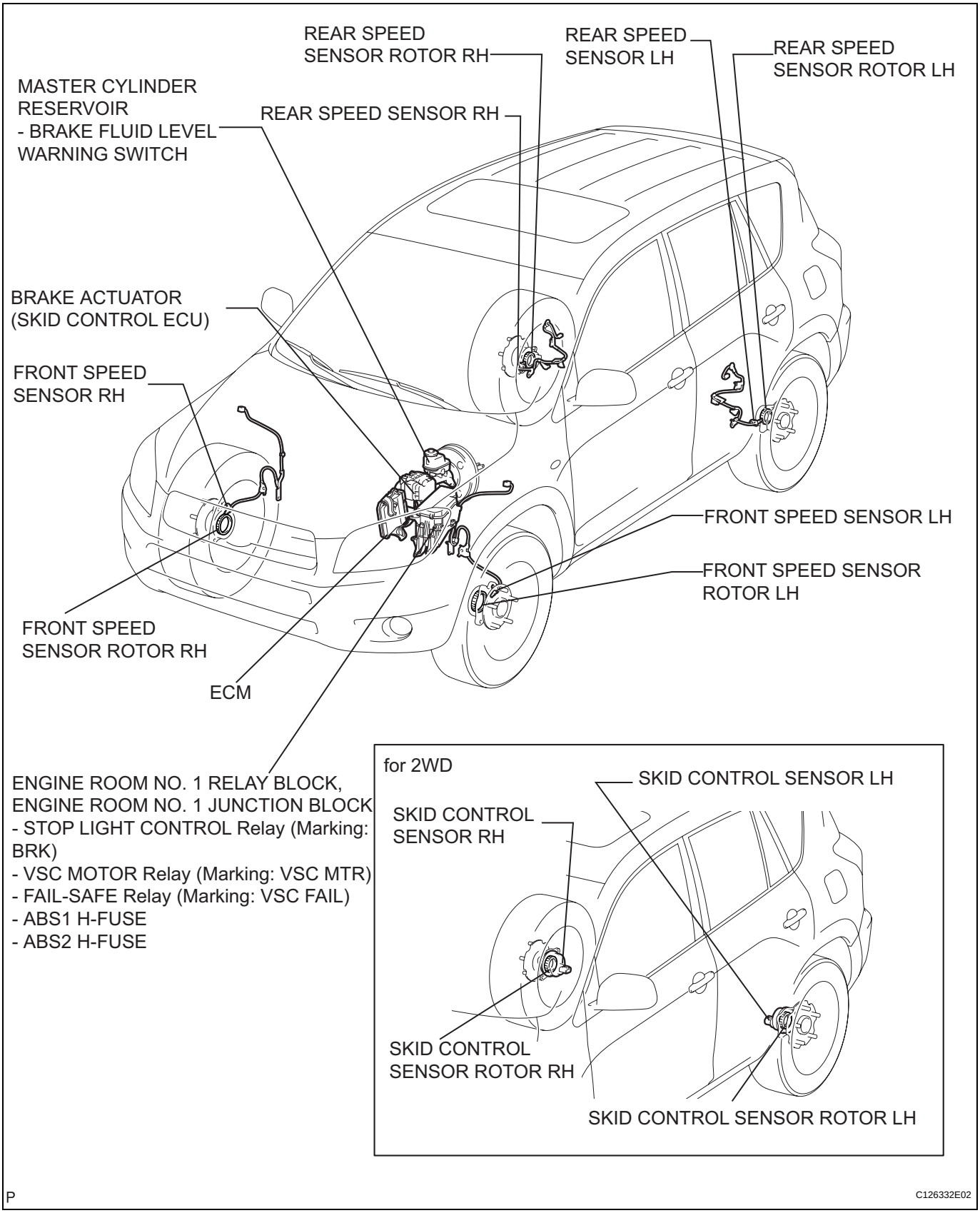
VEHICLE STABILITY CONTROL SYSTEM

PRECAUTION

1. TROUBLESHOOTING PRECAUTION

- When there are malfunctions in the contact points of the terminals or installation problems with any parts, removal and installation of the suspected problem parts may return the system to its normal condition either entirely or temporarily.
- In order to determine the location of the malfunction, be sure to check the conditions at the time the malfunction occurred through data such as DTC and freeze frame data outputs. Record this information before disconnecting any connectors and removing or installing any parts.
- Since the vehicle stability control system may be influenced by malfunctions in other systems, be sure to check for DTCs in other systems.
- Be sure to remove and install the ABS and TRACTION actuator and each sensor with the ignition switch OFF, unless specified in the inspection procedures.
- When removing and installing the ABS and TRACTION actuator and each sensor, be sure to check that the normal display is output during a test mode inspection and a DTC output inspection after reinstalling all the parts.
- After replacing the ABS and TRACTION actuator and/or yaw rate sensor, be sure to perform yaw rate and deceleration sensor zero point calibration (see page BC-24).
- The CAN communication system is used for data communication between the skid control ECU, the steering sensor and the yaw rate sensor (the deceleration sensor is included). If there is trouble in the CAN communication line, the DTC of the communication line is output.
- If the DTC of the CAN communication line is output, repair the malfunction in the communication line and then troubleshoot the vehicle stability control system.
- Since the CAN communication line has its own length and route, it cannot be repaired temporarily with a bypass wire, etc.

PARTS LOCATION



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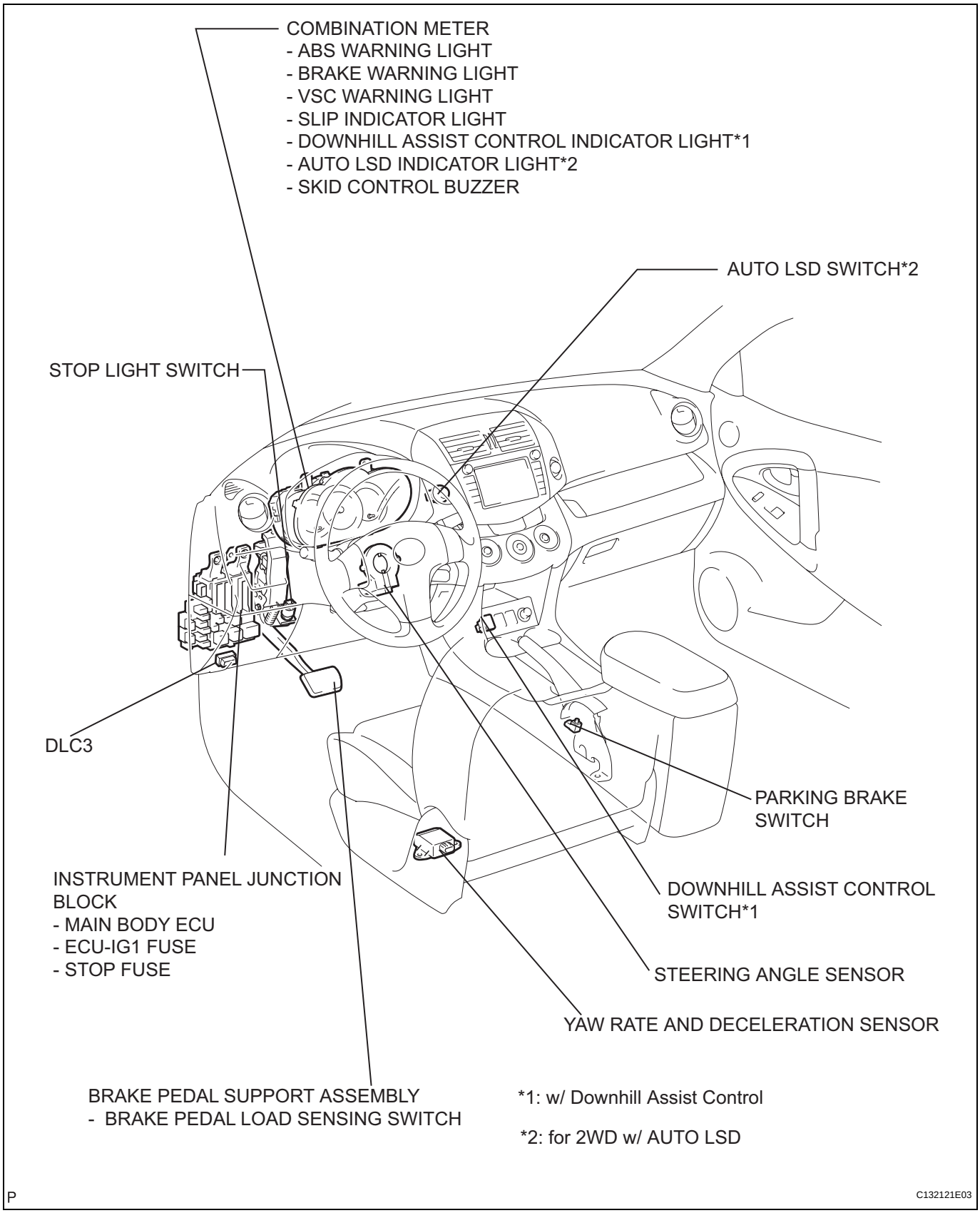
COMBINATION METER
- ABS WARNING LIGHT
- BRAKE WARNING LIGHT
- VSC WARNING LIGHT
- SLIP INDICATOR LIGHT
- DOWNHILL ASSIST CONTROL INDICATOR LIGHT*1
- AUTO LSD INDICATOR LIGHT*2
- SKID CONTROL BUZZER
AUTO LSD SWITCH*2
STOP LIGHT SWITCH
DLC3
PARKING BRAKE SWITCH
INSTRUMENT PANEL JUNCTION BLOCK
- MAIN BODY ECU
- ECU-IG1 FUSE
- STOP FUSE
DOWNHILL ASSIST CONTROL SWITCH*1
STEERING ANGLE SENSOR
YAW RATE AND DECELERATION SENSOR
BRAKE PEDAL SUPPORT ASSEMBLY
- BRAKE PEDAL LOAD SENSING SWITCH
*1: w/ Downhill Assist Control
*2: for 2WD w/ AUTO LSD
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