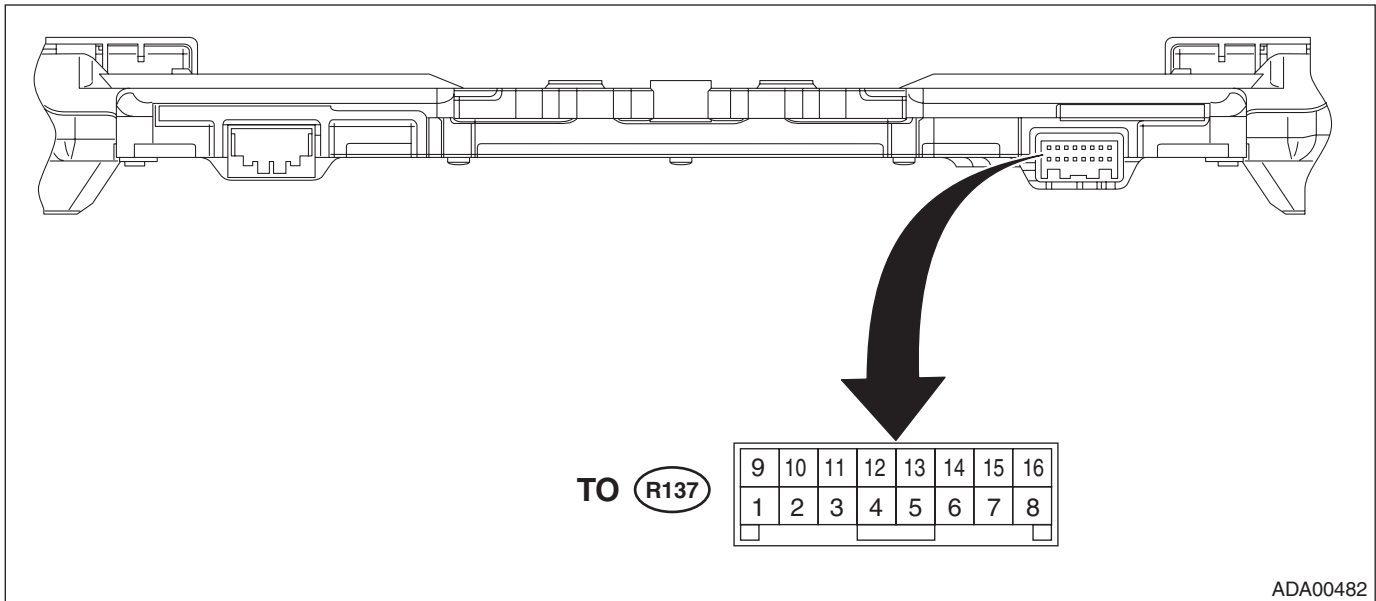


## 5. Control Module I/O Signal

### A: ELECTRICAL SPECIFICATION

#### 1. STEREO CAMERA



| Terminal No.                   | Content                                 | Measuring condition                        | Standard                      |
|--------------------------------|---|--|-------------------------------|
| (R137) No. 1                   | —                                       | —  | —                             |
| (R137) No. 2                   | —                                       | —  | —                             |
| (R137) No. 3                   | —                                       | —  | —                             |
| (R137) No. 4                   | —                                       | —  | —                             |
| (R137) No. 5                   | —                                       | —  | —                             |
| (R137) No. 6 ↔ Chassis ground  | Ignition power supply                   | Ignition switch OFF → ON                   | Less than 1 V → 9 — 16 V      |
| (R137) No. 7 ↔ Chassis ground  | GND                                     | Always                                     | Less than 1 Ω                 |
| (R137) No. 8 ↔ Chassis ground  | Battery power supply                    | Always                                     | 9 — 16 V                      |
| (R137) No. 9 ↔ Chassis ground  | CAN L                                   | Always                                     | 1 kΩ or more                  |
| (R137) No. 10 ↔ Chassis ground | CAN H                                   | Always                                     | 1 kΩ or more                  |
| (R137) No. 11                  | —                                       | —  | —                             |
| (R137) No. 12 ↔ Chassis ground | Pre-collision brake OFF switch input    | Pre-collision brake OFF switch OFF → ON    | Approx. 1 kΩ → less than 1 Ω  |
| (R137) No. 13 ↔ Chassis ground | Lane departure warning OFF switch input | Lane departure warning OFF switch OFF → ON | Approx. 1 kΩ → less than 1 Ω  |
| (R137) No. 14 ↔ (R137) No. 15  | EyeSight steering switch input          | No switch operation                        | 3.5 V — 4.5 V                 |
|                                |   | RES/+ OFF → ON                             | Less than 1 V → 2.5 V — 3.5 V |
|                                |   | Following distance setting                 | Less than 1 V → 1.5 — 2.5 V   |
|                                |   | SET/—                                      | Less than 1 V → 0.5 V — 1.5 V |
|                                |   | CRUISE OFF → ON                            | Less than 1 V                 |
| (R137) No. 15 ↔ Chassis ground | EyeSight steering switch GND            | Always                                     | Less than 1 Ω                 |
| (R137) No. 16 ↔ (R137) No. 15  | EyeSight cruise switch input            | Cruise switch OFF → ON                     | 0 V → approx. 5 V             |

# Control Module I/O Signal

EyeSight (DIAGNOSTICS)

---

## 2. ENGINE CONTROL MODULE (ECM)

For details on the input/output signals for the engine control module, refer to ENGINE (DIAGNOSTICS). <Ref. to EN(H4DO w/o HEV)(diag)-19, Engine Control Module (ECM) I/O Signal.>

## 3. VDC CONTROL MODULE (VDCCM)

For details on the input/output signals for VDC control module, refer to VDC (DIAGNOSTICS). <Ref. to VDC(diag)-12, ELECTRICAL SPECIFICATION, Control Module I/O Signal.>

## 4. TRANSMISSION CONTROL MODULE (TCM)

For details on the input/output signals for the transmission control module, refer to AUTOMATIC TRANSMISSION (DIAGNOSTICS). <Ref. to CVT(w/o HEV)(diag)-10, Transmission Control Module (TCM) I/O Signal.>

## 5. BODY INTEGRATED UNIT

Refer to the BODY CONTROL SYSTEM (DIAGNOSTICS) for the I/O Signal of the body integrated unit. <Ref. to BC(diag)-6, ELECTRICAL SPECIFICATION, Control Module I/O Signal.>

## 6. COMBINATION METER

For details on the input/output signals for the combination meter, refer to INSTRUMENTATION/DRIVER INFO (DIAGNOSTICS). <Ref. to IDI(diag)-7, ELECTRICAL SPECIFICATION, Control Module I/O Signal.>

## 7. MFD

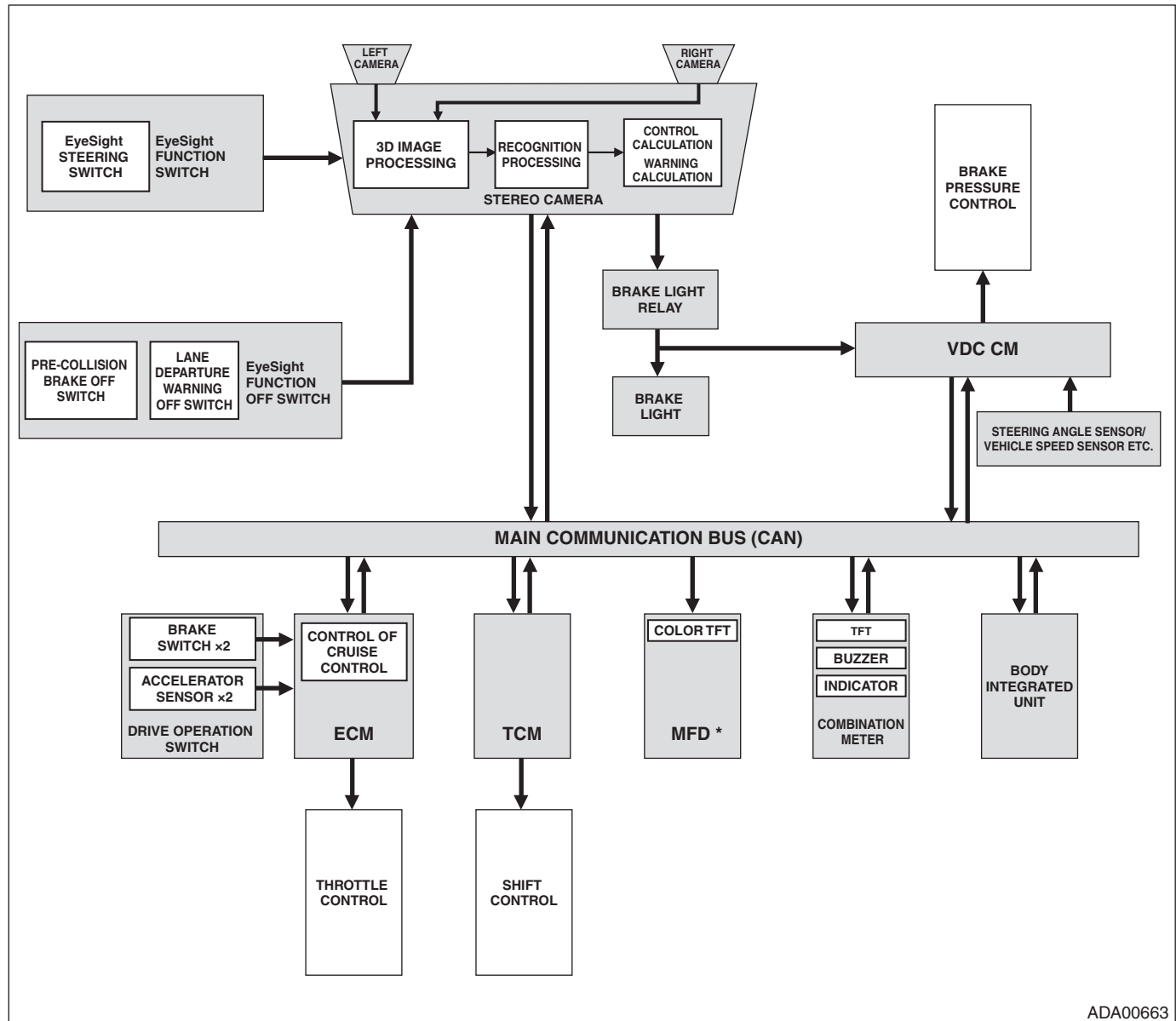
For details on the input/output signals for MFD, refer to INSTRUMENTATION/DRIVER INFO (DIAGNOSTICS). <Ref. to IDI(diag)-7, ELECTRICAL SPECIFICATION, Control Module I/O Signal.>

**B: WIRING DIAGRAM**

Refer to “EyeSight System” in the wiring diagram. <Ref. to WI(w/o HEV)-126, EyeSight System.>

**C: SYSTEM BLOCK DIAGRAM**

Main signals used between stereo camera and relevant CM



ADA00663

\*: Only for models with high-grade MFD