

## 5. Control Module I/O Signal

### A: ELECTRICAL SPECIFICATION

- Body integrated unit

For I/O signals of the body integrated unit, refer to BODY CONTROL SYSTEM (DIAGNOSTICS). <Ref. to BC(diag)-6, Control Module I/O Signal.>

- Engine control module

For I/O signals of ECM, refer to ENGINE (DIAGNOSTICS). <Ref. to EN(H4DO HEV)(diag)-19, ENGINE CONTROL MODULE (ECM), ELECTRICAL SPECIFICATION, Control Module I/O Signal.>

- Transmission control module

For I/O signals of TCM, refer to AUTOMATIC TRANSMISSION (DIAGNOSTICS). <Ref. to CVT(HEV)(diag)-11, Transmission Control Module (TCM) I/O Signal.>

- VDC control module, steering angle sensor, yaw rate & G sensor

For the module I/O signals of VDC CM, steering angle sensor, and yaw rate & G sensor, refer to VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS). <Ref. to VDC(diag)-12, Control Module I/O Signal.>

- Power steering CM

For unit I/O signals of power steering CM, refer to POWER ASSISTED SYSTEM (POWER STEERING) (DIAGNOSTICS). <Ref. to PS(diag)-10, Control Module I/O Signal.>

- A/C control panel

For unit I/O signals of A/C control panel, refer to HVAC SYSTEM (DIAGNOSTICS). <Ref. to AC(diag)-6, Auto A/C Control Module I/O Signal.>

- Combination meter

For I/O signals of combination meter, refer to INSTRUMENTATION/DRIVER INFO (DIAGNOSTICS). <Ref. to IDI(diag)-7, Control Module I/O Signal.>

- Airbag control module

For I/O signals of the airbag control module, refer to AIRBAG SYSTEM (DIAGNOSTICS). <Ref. to AB(diag)-20, Airbag Control Module I/O Signal.>

- High grade MFD

For I/O signals of high grade MFD, refer to INSTRUMENTATION/DRIVER INFO (DIAGNOSTICS). <Ref. to IDI(diag)-7, Control Module I/O Signal.>

- Keyless access CM

For I/O signals of keyless access CM, refer to KEYLESS ACCESS WITH PUSH BUTTON START SYSTEM (DIAGNOSTICS). <Ref. to KPS(diag)-16, Control Module I/O Signal.>

- Auto headlight beam leveler CM

For I/O signals of auto headlight beam leveler CM, refer to AUTO HEADLIGHT BEAM LEVELER SYSTEM (DIAGNOSTICS). <Ref. to AL(diag)-6, AUTO HEADLIGHT BEAM LEVELER CM, ELECTRICAL SPECIFICATION, Control Module I/O Signal.>

- Hybrid powertrain control module (HPCM)

For I/O signals of HPCM, refer to HEV (DIAGNOSTICS). <Ref. to HEV(diag)-10, HYBRID POWERTRAIN CONTROL MODULE (HPCM), ELECTRICAL SPECIFICATION, Control Module I/O Signal.>

- Drive motor control module (DMCM)

For I/O signals of DMCM, refer to HEV (DIAGNOSTICS). <Ref. to HEV(diag)-12, DRIVE MOTOR CONTROL MODULE (DMCM), ELECTRICAL SPECIFICATION, Control Module I/O Signal.>

- High voltage battery (battery energy control module (BECM))

For I/O signals of BECM, refer to HEV (DIAGNOSTICS). <Ref. to HEV(diag)-14, HIGH VOLTAGE BATTERY, ELECTRICAL SPECIFICATION, Control Module I/O Signal.>

- Data link connector

For I/O signals of data link connector, refer to ENGINE (DIAGNOSTICS). <Ref. to EN(H4DO HEV)(diag)-30, Data Link Connector.>

\* CAN sleep state:

Hold on for approx. one minute with ignition OFF and the doors, trunk, rear gate all closed.

### B: WIRING DIAGRAM

Refer to "CAN Communication System" in the wiring diagram. <Ref. to WI(HEV)-65, WIRING DIAGRAM, CAN Communication System.>