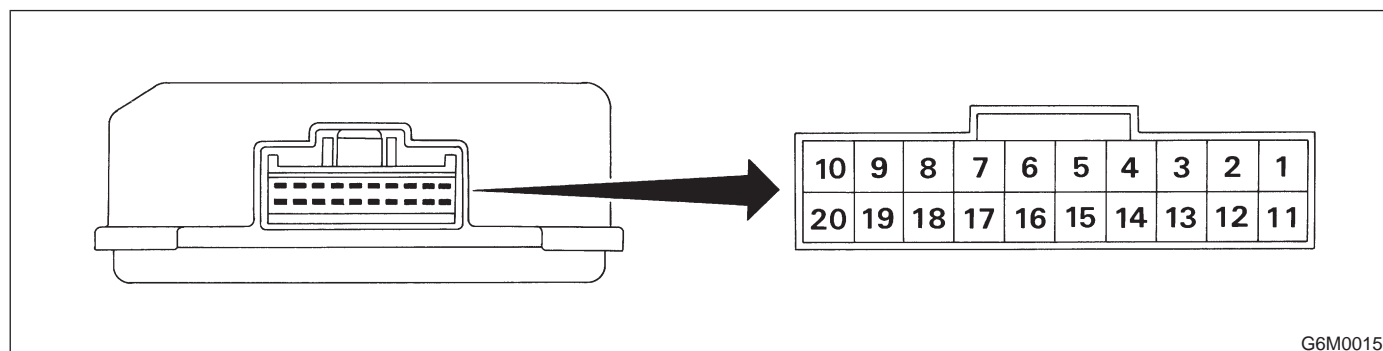


## 6-2a [T500] BODY ELECTRICAL SYSTEM (CRUISE CONTROL)

### 5. Control Module I/O Signal

## 5. Control Module I/O Signal



G6M0015

Content	Terminal No.	Measuring conditions and I/O signals (ignition switch ON and engine idling)
Main power supply	2	<ul style="list-style-type: none"> <li>Battery voltage is present when main power is turned ON.</li> <li>"0" volt is present when main power is turned OFF.</li> </ul>
Inhibitor switch (AT) (U.S.A.)/ N position switch (AT) (CANADA)	4	<ul style="list-style-type: none"> <li>Battery voltage is present when selector lever is other than "P" or "N" position (CANADA: "N" position only).</li> <li>"0" volt is present when selector lever is set to "P" or "N" position (CANADA: "N" position only).</li> </ul>
Air valve	5	<ul style="list-style-type: none"> <li>ON-and-OFF ("0"-and-battery voltage) operation is alternately repeated while cruise control is operating.</li> <li>"0" volt is present when vehicle is stopped.</li> </ul>
Ground	6	—
Vacuum pump motor	7	<ul style="list-style-type: none"> <li>ON-and-OFF ("0"-and-battery voltage) operation is alternately repeated while cruise control is operating.</li> <li>"0" volt is present when vehicle is stopped.</li> </ul>
Data link connector	8	—
RESUME/ACCEL switch	9	<ul style="list-style-type: none"> <li>Battery voltage is present when command switch is turned to RESUME/ACCEL position.</li> <li>"0" volt is present when command switch is released.</li> </ul>
SET/COAST switch	10	<ul style="list-style-type: none"> <li>Battery voltage is present when command switch is turned to SET/COAST position.</li> <li>"0" volt is present when command switch is released.</li> </ul>
Ignition switch	12	<ul style="list-style-type: none"> <li>Battery voltage is present when ignition switch is turned ON.</li> <li>"0" volt is present when ignition switch is turned OFF.</li> </ul>
Release valve	13	<ul style="list-style-type: none"> <li>ON-and-OFF ("0"-and-battery voltage) operation is alternately repeated while cruise control is operating.</li> <li>"0" volt is present when vehicle is stopped.</li> </ul>
Power supply to vacuum pump motor, air valve, and release valve	14	<ul style="list-style-type: none"> <li>Battery voltage is present while cruise control is operating.</li> <li>"0" volt is present when vehicle is stopped.</li> </ul>
Cruise control main switch	15	<ul style="list-style-type: none"> <li>Battery voltage is present during pressing the cruise control main switch, and then battery voltage is present while switch is turned ON.</li> <li>"0" volt is present when switch is turned OFF.</li> </ul>
Brake switch	16	<p>Leave clutch pedal released (MT), while cruise control main switch is turned ON.</p> <p>Then check that;</p> <ul style="list-style-type: none"> <li>Battery voltage is present when brake pedal is released.</li> <li>"0" volt is present when brake pedal is depressed.</li> </ul> <p>Additionally only in MT vehicle, keep the cruise control main switch to ON and leave brake pedal released.</p> <p>Then check that;</p> <ul style="list-style-type: none"> <li>Battery voltage is present when clutch pedal is released.</li> <li>"0" volt is present when clutch pedal is depressed.</li> </ul>
Data link connector	17	—
Data link connector	18	—

# BODY ELECTRICAL SYSTEM (CRUISE CONTROL) [T500] 6-2a

5. Control Module I/O Signal

Content	Terminal No.	Measuring conditions and I/O signals (ignition switch ON and engine idling)
Vehicle speed sensor 2	19	Lift-up the vehicle until all four wheels are raised off ground, and then rotate any wheel manually. Approx. "5" and "0" volt pulse signals are alternately input to cruise control module.
Stop light switch	20	Turn ignition switch to OFF. Then check that; <ul style="list-style-type: none"><li>● Battery voltage is present when brake pedal is depressed.</li><li>● "0" volt is present when brake pedal is released.</li></ul>
NOTE: Voltage at terminals 5, 7, 13 and 14 cannot be checked unless vehicle is driving by cruise control operation.		