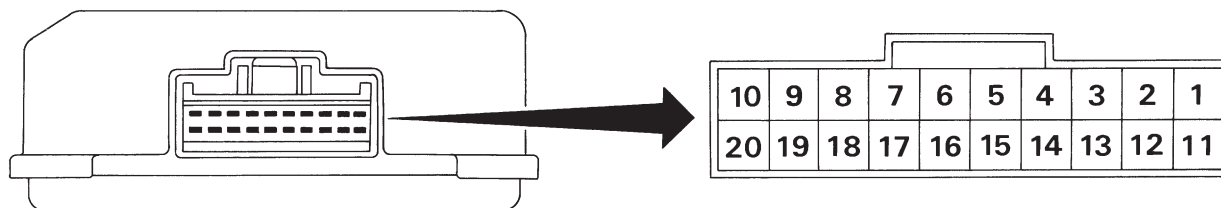


## 4. Cruise Control Module I/O Signal S003515

### A: ELECTRICAL SPECIFICATION S003515A08



G6M0015

Content	Terminal No.	Measuring conditions and I/O signals (ignition switch ON and engine idling)
Vent valve	1	<ul style="list-style-type: none"> <li>Power supply is ON when vehicle is stopped.</li> <li>ON-and-OFF ("0"-and-battery voltage) operation is alternately repeated while cruise control is operating.</li> </ul>
Safety valve	2	<ul style="list-style-type: none"> <li>Power supply is ON when vehicle is stopped.</li> <li>ON-and-OFF ("0"-and-battery voltage) operation is alternately repeated while cruise control is operating.</li> </ul>
Ignition switch	3	<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>
Cruise control main switch	4	<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>
Power supply to vacuum valve, vent valve, safety valve and indicator light	5	<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>
SET/COAST switch	6	<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>
RESUME/ACCEL switch	7	<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>
Brake switch	8	<p>Set selector lever to any position other than "P" or "N" position (AT) / leave clutch pedal released (MT), while cruise control main switch is turned ON. 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, or</li> <li>Battery voltage is present when clutch pedal is released (MT).</li> <li>"0" volt is present when clutch pedal is depressed (MT).</li> <li>Battery voltage is present when selector lever is in any position other than "P" or "N" position (AT).</li> <li>"0" volt is present when selector lever is set to "P" or "N" position (AT).</li> </ul>
Clutch switch (MT)/ Inhibitor switch (AT)	9	<ul style="list-style-type: none"> <li>Battery voltage is present when clutch pedal is released (MT).</li> <li>"0" volt is present when clutch pedal is depressed (MT).</li> <li>Battery voltage is present when selector lever is in any position other than "P" or "N" position (AT).</li> <li>"0" volt is present when selector lever is set to "P" or "N" position (AT).</li> </ul>
Vacuum valve	11	<ul style="list-style-type: none"> <li>Power supply is ON when vehicle is stopped.</li> <li>ON-and-OFF ("0"-and-battery voltage) operation is alternately repeated while cruise control is operating.</li> </ul>
Set signal to transmission control module (AT)	12	<ul style="list-style-type: none"> <li>TCM emits a ground-level signal while driving vehicle at least 40 km/h (25 MPH) with SET switch ON.</li> </ul>
Ground	13	—

# CRUISE CONTROL MODULE I/O SIGNAL

Cruise Control System

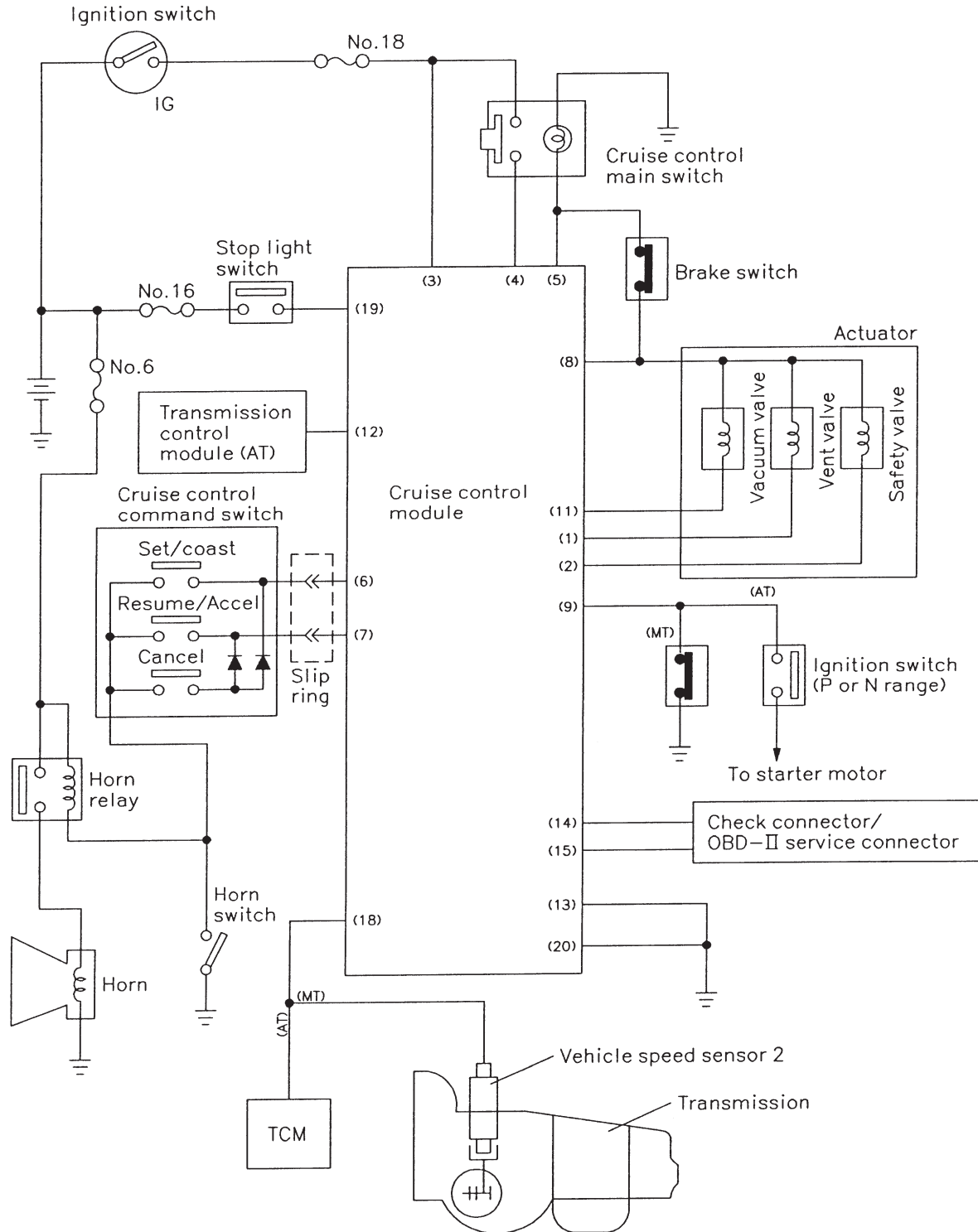
Content	Terminal No.	Measuring conditions and I/O signals (ignition switch ON and engine idling)
Check connector/ OBD-II service connector	14	—
Check connector/ OBD-II service connector	15	—
Vehicle speed sensor 2 (MT) Automatic transmission control module (AT)	18	Lift-up the vehicle until all four wheels 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	19	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>
Ground	20	—
NOTE: Voltage at terminals 1, 2, 11 and 12 cannot be checked unless vehicle is driving by cruise control operation.		

# CRUISE CONTROL MODULE I/O SIGNAL

Cruise Control System

## B: SCHEMATIC

S003515A21



S6M0325