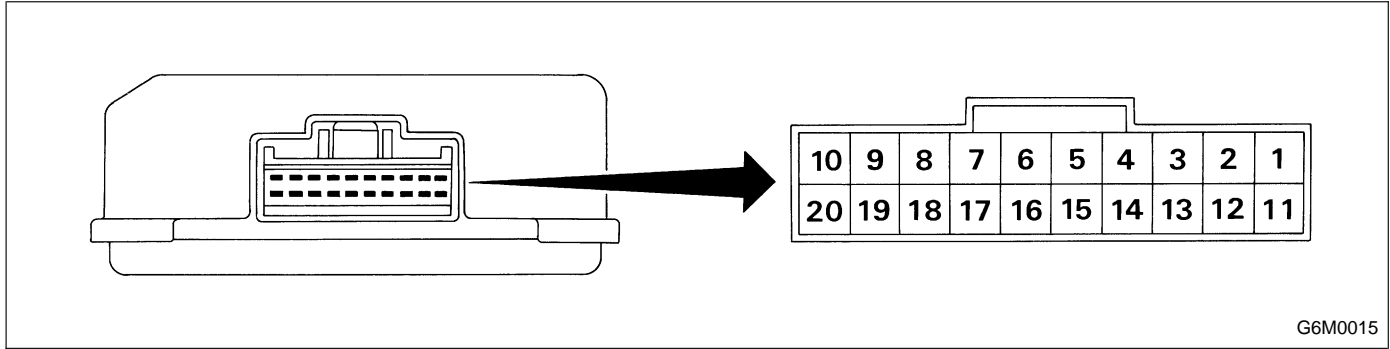


4. Control Module I/O Signal



Content	Terminal No.	Measuring conditions and I/O signals (ignition switch ON and engine idling)
Vent valve	1	<ul style="list-style-type: none"> Power supply is ON when vehicle is stopped. ON-and-OFF (0 and 12 volts) operation is alternately repeated while cruise control is operating.
Safety valve	2	<ul style="list-style-type: none"> Power supply is ON when vehicle is stopped. ON-and-OFF (0 and 12 volts) operation is alternately repeated while cruise control is operating.
Ignition switch	3	<ul style="list-style-type: none"> Battery voltage is present when switch is turned on.
Main switch	4	<ul style="list-style-type: none"> When main switch is pressed, battery voltage is present. When main switch is OFF, "0" volt is present.
Power Supply to vacuum valve, vent valve, safety valve and set indicator	5	<ul style="list-style-type: none"> When main switch is pressed, battery voltage is present.
SET/COAST switch	6	<ul style="list-style-type: none"> When switch is turned ON, battery voltage is present. When switch is turned OFF, "0" volt is present.
RESUME/ACCEL switch	7	<ul style="list-style-type: none"> When switch is turned ON, battery voltage is present. When switch is turned OFF, "0" volt is present.
Brake switch	8	<p>Set select lever to any position other than "P" or "N" (AT model)/leave clutch released (MT model), with main switch ON. Then check that:</p> <ul style="list-style-type: none"> 0 volt is present when brake pedal is depressed. Battery voltage is present when brake pedal is released, or 0 volt is present when clutch pedal is depressed (MT model). Battery voltage is present when clutch pedal is released (MT model). 0 volt is present when select lever is set to "P" or "N" (AT model). Battery voltage is present when select lever is in any position other than "P" or "N" (AT model).
Inhibitor switch Clutch switch	9	When switch is turned ON, "0" volt is present.
Vacuum valve	11	<ul style="list-style-type: none"> Power supply is ON when vehicle is stopped. ON-and-OFF (0 and 12 volts) operation is alternately repeated while cruise control is operating.
AT control (Set signal)	12	ECM emits a ground-level signal while driving vehicle at least 40 km/h (25 MPH) with SET switch ON.
GND	13	—
Select monitor (Output)	14	—
Select monitor (Input)	15	—
Vehicle speed sensor	18	<ul style="list-style-type: none"> When all four wheels are raised off ground and any wheel is rotated manually, approximately 5 and 0 volt pulse signals are alternately sent to cruise control module.
Stop light switch	19	<p>With ignition switch ON or OFF:</p> <ul style="list-style-type: none"> Depress brake pedal to check that battery voltage is present. "0" volt is present with brake pedal released.
GND	20	—

Voltage at terminals (1, 2, 11 and 12) cannot be checked unless vehicle is driving at cruising speed.