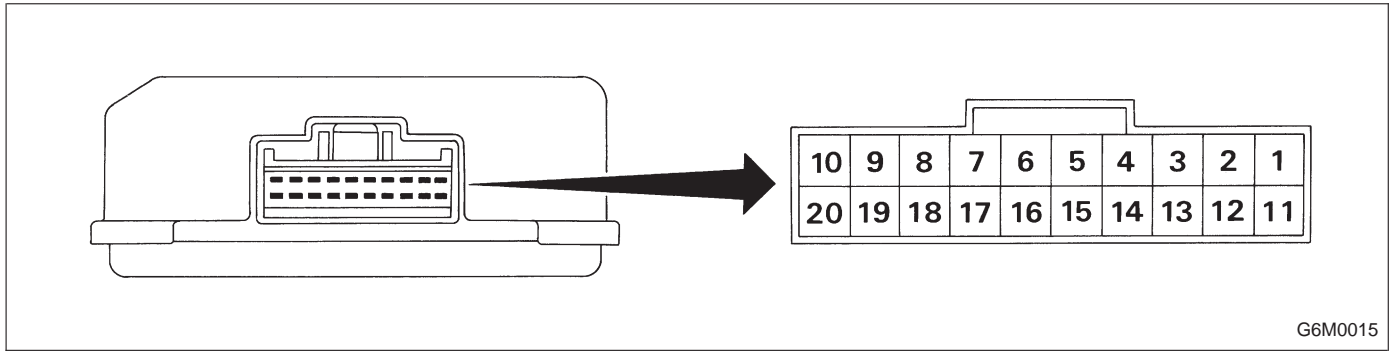


5. Control Module I/O Signal



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"> Battery voltage is present when main power is turned ON. "0" volt is present when main power is turned OFF.
Inhibitor switch (AT) (U.S.A.) N position switch (AT) (CANADA)	4	<ul style="list-style-type: none"> "0" volt is present when selector lever is set to P or N position (CANADA: N position only). Battery voltage is present when selector lever is other than P or N position (CANADA: N position only).
Air valve	5	<ul style="list-style-type: none"> "0" volt is present when vehicle is stopped. ON-and-OFF ("0"-and-battery voltage) operation is alternately repeated while cruise control is operating.
GND	6	—
Vacuum pump motor	7	<ul style="list-style-type: none"> "0" volt is present when vehicle is stopped. ON-and-OFF ("0"-and-battery voltage) operation is alternately repeated while cruise control is operating.
Data link connector	8	—
RESUME/ACCEL switch	9	<ul style="list-style-type: none"> Battery voltage is present when switch is turned ON. "0" volt is present when switch is turned OFF.
SET/COAST switch	10	<ul style="list-style-type: none"> Battery voltage is present when switch is turned ON. "0" volt is present when switch is turned OFF.
Ignition switch	12	<ul style="list-style-type: none"> Battery voltage is present when ignition switch is turned ON. "0" volt is present when ignition switch is turned OFF.
Release valve	13	<ul style="list-style-type: none"> "0" volt is present when vehicle is stopped. ON-and-OFF ("0"-and-battery voltage) operation is alternately repeated while cruise control is operating.
Power supply to vacuum pump motor, air valve, release valve	14	<ul style="list-style-type: none"> "0" volt is present when vehicle is stopped. Battery voltage is present while cruise control is operating.
Cruise main switch	15	<ul style="list-style-type: none"> Battery voltage is present during pressing the main switch, and then approx. 12 V is present while switch is turned ON. "0" volt is present when switch is turned OFF.
Brake switch	16	Turn the cruise main switch to ON and leave clutch pedal released (MT). Then check that; <ul style="list-style-type: none"> "0" volt is present when brake pedal is depressed. Battery voltage is present when brake pedal is released. Additionally only in MT vehicle, keep the cruise main switch to ON and leave brake pedal released. Then check that; <ul style="list-style-type: none"> "0" volt is present when clutch pedal is depressed. Battery voltage is present when clutch pedal is released.
Data link connector	17	—
Data link connector	18	—
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"> Battery voltage is present when brake pedal is depressed. "0" volt is present when brake pedal is released.

NOTE:

Voltage at terminals 5, 7, 13 and 14 cannot be checked unless vehicle is driving by cruise control operation.