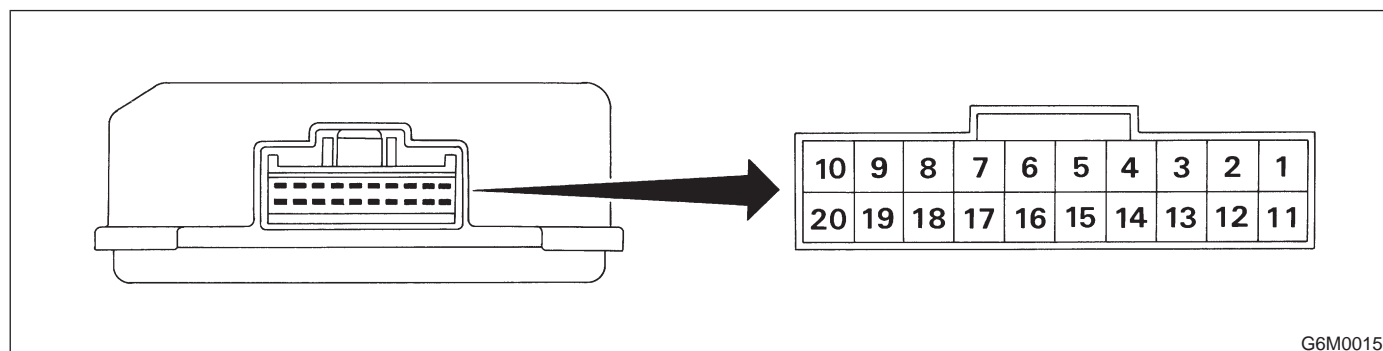


6-2 [T500] BODY ELECTRICAL SYSTEM (CRUISE CONTROL)

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)
Vent valve	1	<ul style="list-style-type: none"> Power supply is ON when vehicle is stopped. ON-and-OFF ("0"-and-battery voltage) 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-battery voltage) operation is alternately repeated while cruise control is operating.
Ignition switch	3	<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.
Cruise control main switch	4	<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.
Power supply to vacuum valve, vent valve, safety valve and indicator light	5	<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.
SET/COAST switch	6	<ul style="list-style-type: none"> Battery voltage is present when command switch is turned to SET/COAST position. "0" volt is present when command switch is released.
RESUME/ACCEL switch	7	<ul style="list-style-type: none"> Battery voltage is present when command switch is turned to RESUME/ACCEL position. "0" volt is present when command switch is released.
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"> Battery voltage is present when brake pedal is released. "0" volt is present when brake pedal is depressed, or Battery voltage is present when clutch pedal is released (MT). "0" volt is present when clutch pedal is depressed (MT). Battery voltage is present when selector lever is in any position other than "P" or "N" position (AT). "0" volt is present when selector lever is set to "P" or "N" position (AT).
Clutch switch (MT)/ Inhibitor switch (AT)	9	<ul style="list-style-type: none"> Battery voltage is present when clutch pedal is released (MT). "0" volt is present when clutch pedal is depressed (MT). Battery voltage is present when selector lever is in any position other than "P" or "N" position (AT). "0" volt is present when selector lever is set to "P" or "N" position (AT).
Vacuum valve	11	<ul style="list-style-type: none"> Power supply is ON when vehicle is stopped. ON-and-OFF ("0"-and-battery voltage) operation is alternately repeated while cruise control is operating.
Set signal to transmission control module (AT)	12	<ul style="list-style-type: none"> TCM emits a ground-level signal while driving vehicle at least 40 km/h (25 MPH) with SET switch ON.
Ground	13	—
Check connector/ OBD-II service connector	14	—
Check connector/ OBD-II service connector	15	—

BODY ELECTRICAL SYSTEM (CRUISE CONTROL)

[T500] 6-2

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 (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; ● Battery voltage is present when brake pedal is depressed. ● "0" volt is present when brake pedal is released.
Ground	20	—
NOTE: Voltage at terminals 1, 2, 11 and 12 cannot be checked unless vehicle is driving by cruise control operation.		