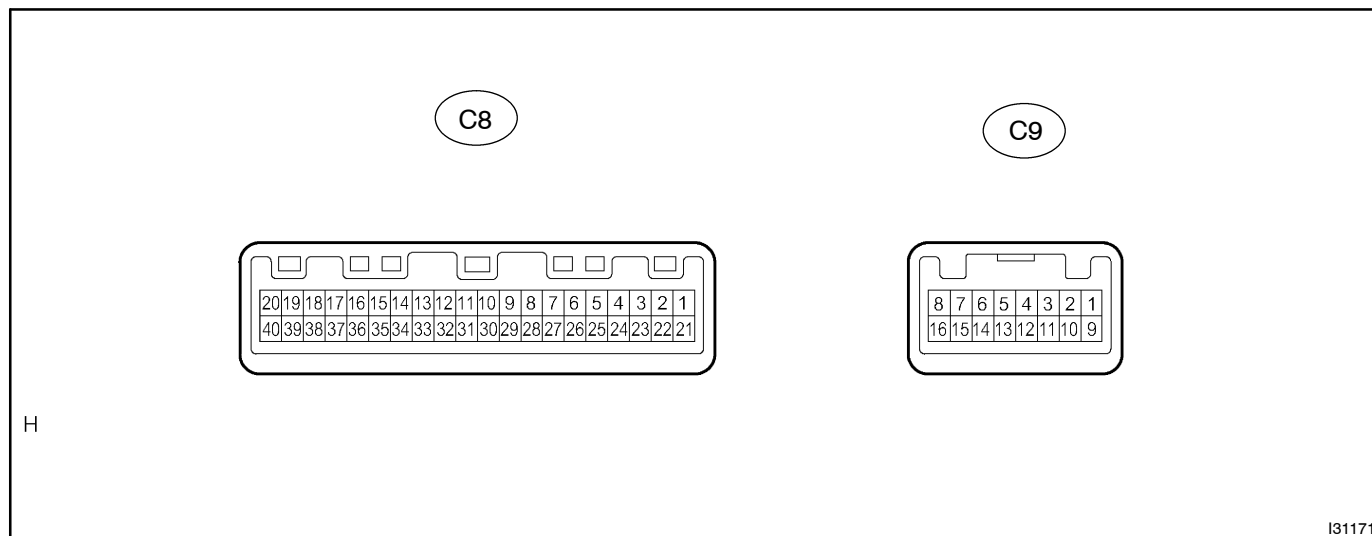
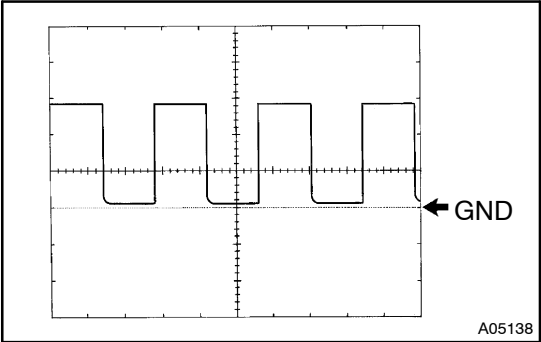


TERMINALS OF ECU



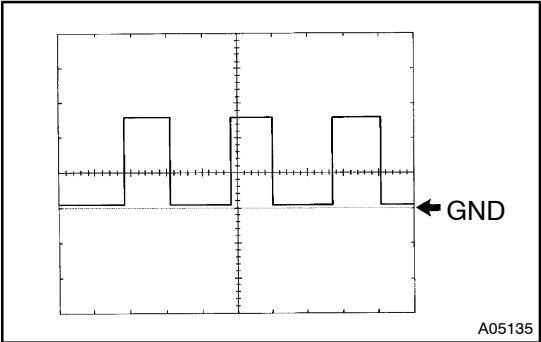
Symbols (Terminals No.)	Wiring color	Condition	Specified Condition
C8-1 (IG) – Body ground	B-R – Body ground	Ignition switch OFF → ON	Below 1 V → 10 to 14 V
C8-2 (Rr. FOG) – Body ground	L-R – Body ground	Ignition switch ON and rear fog indicator light OFF → ON	Below 1 V → 10 to 14 V
C8-3 (BEAM+) – Body ground	R-W – Body ground	Constant	10 to 14 V
C8-4 (Fr. FOG) – Body ground	B-W – Body ground	Ignition switch ON and front fog indicator light OFF → ON	Below 1 V → 10 to 14 V
(*1) C8-6 (CRUISE) – Body ground	B-O – Body ground	Ignition switch ON and cruise switch ON → OFF	Below 1 V → 10 to 14 V
(*2) C8-7 (GLOW) – Body ground	L-O – Body ground	Ignition switch ON and glow indicator light ON → OFF	Below 1 V → 10 to 14 V
C8-8 (ACTY) – Body ground	L – Body ground	Ignition switch ON and door warning light ON → OFF	Below 1 V → 10 to 14 V
C8-11 (CHG+) – Body ground	B-O – Body ground	Ignition switch OFF → ON	Below 1 V → 10 to 14 V
C8-12 (CHG-) – Body ground	L-B – Body ground	Ignition switch ON and charge indicator light ON → OFF	Below 1 V → 10 to 14 V
C8-13 (OIL PRESS) – Body ground	Y-G – Body ground	Ignition switch ON and oil pressure indicator ON → OFF	Below 1 V → 10 to 14 V
C8-14 (SEDIMENT) – Body ground	P-L – Body ground	Ignition switch ON and fuel filter warning light ON → OFF	Below 1 V → 10 to 14 V
C8-15 (BEAM-) – Body ground	R-Y – Body ground	Ignition switch ON and high beam indicator switch ON → OFF	Below 1 V → 10 to 14 V
C8-16 (CHK E/G) – Body ground	L – Body ground	Ignition switch ON and check engine warning light ON → OFF	Below 1 V → 10 to 14 V
C8-17 (ABS) – Body ground	Y-G – Body ground	Ignition switch ON and ABS indicator light ON → OFF	4 to 8 V → Below 2 V
C8-18 (SLIP) – Body ground	L-O – Body ground	Ignition switch ON and SLIP indicator light ON → OFF	Below 1 V → 10 to 14 V
C8-19 (VSC) – Body ground	R-W – Body ground	Ignition switch ON and VSC indicator light ON → OFF	Below 1 V → 10 to 14 V
C8-20 (S. GND) – Body ground	W-B – Body ground	Constant	Below 1 Ω
C8-21 (+B) – Body ground	V – Body ground	Constant	10 to 14 V

C8-22 (TURN L) – Body ground	G-B – Body ground	Ignition switch ON and left turn indicator light OFF → ON	Below 1 V → 10 to 14 V
C8-23 (ILL+) – Body ground	G – Body ground	Ignition switch ON and headlight dimmer switch OFF → TAIL	Below 1 V → 10 to 14 V
C8-25 (D-BKL SW) – Body ground	L-Y – Body ground	Ignition switch ON and seat belt buckle switch ON → OFF	Below 1 V → 10 to 14 V
C8-26 (TACHO) – Body ground	W-L – Body ground	Engine Running	Pulse generation (See waveform 1)
C8-27 (SPEED) – Body ground	W-G – Body ground	Ignition switch ON and turn front wheel slowly	Pulse generation (See waveform 2)
C8-28 (4P) – Body ground	W-R – Body ground	Ignition switch ON and turn front wheel slowly	Pulse generation (See waveform 2)
C8-29 (TEMP IN) – Body ground	G – Body ground	Ignition switch ON	Pulse generation
C8-30 (TEMP OUT) – Body ground	Y – Body ground	Ignition switch ON	Pulse generation
C8-31 (FUEL) – Body ground	L-R – Body ground	Ignition switch ON and fuel level FULL → EMPTY	Below 1 V → 4 to 7 V
C8-39 (FE) – Body ground	BR – Body ground	Constant	Below 1 Ω
C8-40 (P. GND) – Body ground	W-B – Body ground	Constant	Below 1 Ω
C9-1 (A/T D) – Body ground	R-W – Body ground	Ignition switch ON and A/T D indicator OFF → ON	Below 1 V → 10 to 14 V
C9-2 (A/T 2) – Body ground	Y-G – Body ground	Ignition switch ON and A/T 2 indicator OFF → ON	Below 1 V → 10 to 14 V
C9-3 (A/T L) – Body ground	Y – Body ground	Ignition switch ON and A/T L indicator OFF → ON	Below 1 V → 10 to 14 V
C9-4 (AIR BAG) – Body ground	B-Y – Body ground	Ignition switch ON and airbag warning light ON → OFF	Below 1 V → 6 to 12 V
C9-5 (BRAKE) – Body ground	B-R – Body ground	Ignition switch ON and BRAKE warning light ON → OFF	10 to 14 V → Below 1 V
C9-6 (BRAKE SW) – Body ground	P-L – Body ground	Brake switch OFF → ON	10 to 14 V → Below 1 V
C9-7 (SECURITY) – Body ground	L-B – Body ground	Ignition switch ON and security warning light ON → OFF	10 to 14 V → Below 1 V
C9-8 (TURN R) – Body ground	G-Y – Body ground	Ignition switch ON and right turn indicator light OFF → ON	Below 1 V → 10 to 14 V
C9-9 (A/T N) – Body ground	V – Body ground	Ignition switch ON and A/T N indicator light OFF → ON	Below 1 V → 10 to 14 V
C9-10 (A/T R) – Body ground	R-B – Body ground	Ignition switch ON and A/T R indicator light OFF → ON	Below 1 V → 10 to 14 V
C9-11 (A/T P) – Body ground	B-O – Body ground	Ignition switch ON and A/T P indicator light OFF → ON	Below 1 V → 10 to 14 V
C9-12 (DCTY) – Body ground	R-Y – Body ground	Driver side door Open → Close	Below 1 V → 10 to 14 V
C9-13 (OIL LEVEL) – Body ground	G – Body ground	Ignition switch ON and engine oil level sensor ON → OFF	Below 1 V → 10 to 14 V
C9-14 (TRC-OFF) – Body ground	BR – Body ground	Ignition switch ON and TRC-OFF indicator light ON → OFF	Below 1 V → 10 to 14 V
C9-16 (O/D OFF) – Body ground	W-G – Body ground	Ignition switch ON and O/D OFF indicator light ON → OFF	Below 1 V → 10 to 14 V



Waveform 1 (Reference):

Item	Contents
Tool setting	5 V/ DIV, 10 ms/ DIV
Vehicle condition	Engine idle speed



Waveform 2 (Reference):

Item	Contents
Tool setting	5 V/ DIV, 20 ms/ DIV
Vehicle condition	Driving at approx. 20 km/h (12 mph)

HINT:

As vehicle speed increases, the cycle of the signal waveform narrows.

(*1): Australia (2AZ-FE)

(*2): 1CD-FTV