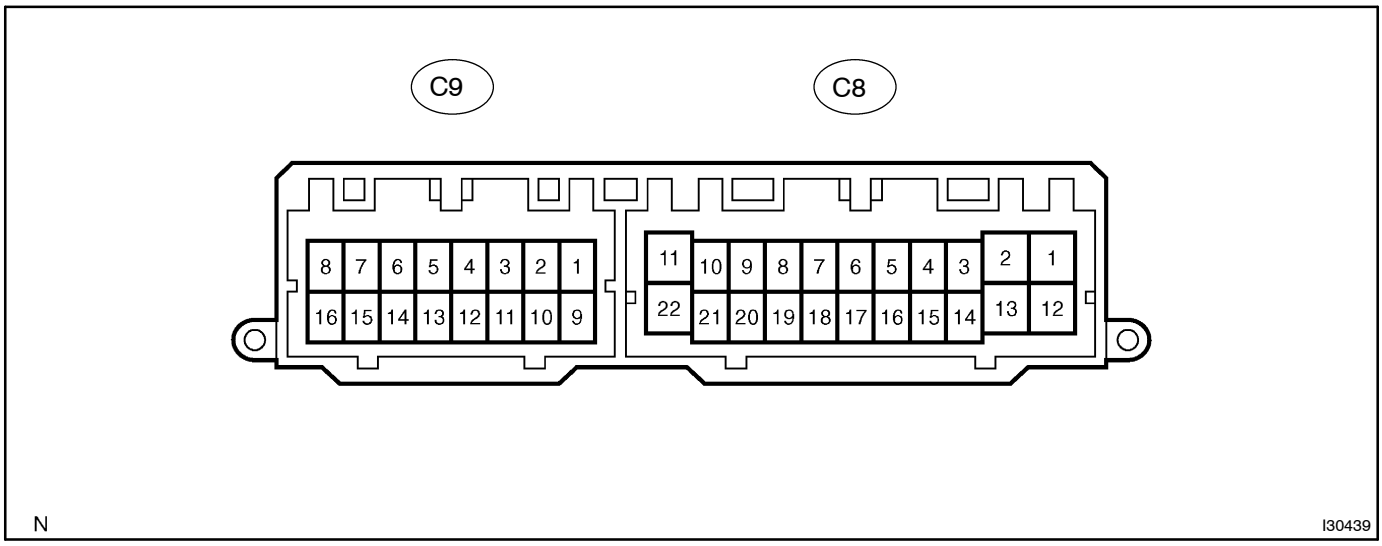
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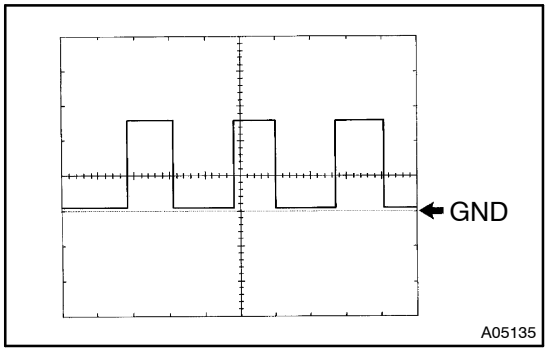
TERMINALS OF ECU

1. COMBINATION METER ASSY



Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specified Condition
IG+ (C8–1) – Body ground	P – Body ground	Ignition switch signal	Ignition switch OFF → ON	Below 1 V → 10 to 14 V
ECU+B (C8–2) – Body ground	LG – Body ground	Battery	Always	10 to 14 V
ILL (C8–7) – Body ground	B – Body ground	Illumination signal	Tail light OFF → ON	Below 1 V → 10 to 14 V
FUEL (C8–9) – Body ground	O – Body ground	Fuel signal	Ignition switch ON, fuel level is FULL → EMPTY	Below 1 V → 4 to 7 V
SIGNAL GND (C8–11) – Body ground	R – Body ground	Ground	Always	Below 1 Ω
DOME (C8–12) – Body ground	V – Body ground	Battery	Always	10 to 14 V
IG2 (C8–13) – Body ground	SB – Body ground	Ignition switch signal	Ignition switch OFF → ON	Below 1 V → 10 to 14 V
TURN L (C8–14) – Body ground	L – Body ground	Turn signal L	Ignition switch ON, turn signal LH indicator OFF → ON	Below 1 V → 10 to 14 V
TURN R (C8–15) – Body ground	GR – Body ground	Turn signal R	Ignition switch ON, turn signal RH indicator OFF → ON	Below 1 V → 10 to 14 V
ABS (C8–17) – Body ground	W – Body ground	ABS signal	Ignition switch ON, ABS warning light ON → OFF	6.7 to 12 V → Below 1 V
BEAM– (C8–19) – Body ground	BR – Body ground	Hi–Beam signal	Headlight dimmer switch Lo → Hi	10 to 14 V → Below 1 V
MPX– (C8–21)	Y	Communication signal	Communication circuit	–
POWER GND (C8–22) – Body ground	W–B – Body ground	Ground	Always	Below 1 Ω
TACHO (C9–1) – Body ground	B – Body ground	Tacho meter signal (Input)	Engine running	Pulse generation (See waveform 2)
CHECK ENGINE (C9–4) – Body ground	L – Body ground	CHECK ENGINE signal	Ignition switch ON, CHECK ENGINE warning light ON → OFF	Below 1 V → 10 to 14 V
SI (C9–6) – Body ground	GR – Body ground	Speed signal (Input)	Ignition switch ON and turn the wheel slowly	Pulse generation (See waveform 1)

VSC (C9–7) – Body ground	P – Body ground	VSC signal	Ignition switch ON, VSC warning light ON → OFF	Below 1 V → 10 to 14 V
MPX+ (C9–9)	SB	Communication signal	Communication circuit	–
BRAKE LEVEL (C9–10) – Body ground	V – Body ground	Brake fluid level signal	Ignition switch ON, brake fluid level (LO) → NORMAL	Below 1 V → 10 to 14 V
BRAKE (C9–11) – Body ground	B – Body ground	Brake signal	Ignition switch ON, BRAKE warning light ON → OFF	6.7 to 12 V → Below 1 V
WASHER LEVEL (C9–12) – Body ground	BR – Body ground	Washer level signal	Washer indicator OFF → ON	Below 1 V → 10 to 14 V
4P OUT (C9–13) – Body ground	W – Body ground	Speed signal (Output)	Ignition switch ON and turn the wheel slowly	Pulse generation (See waveform 1)
BEAM+ (C9–16) – Body ground	G – Body ground	Hi–Beam signal	Hi–Beam OFF → ON	Below 1 V → 10 to 14 V

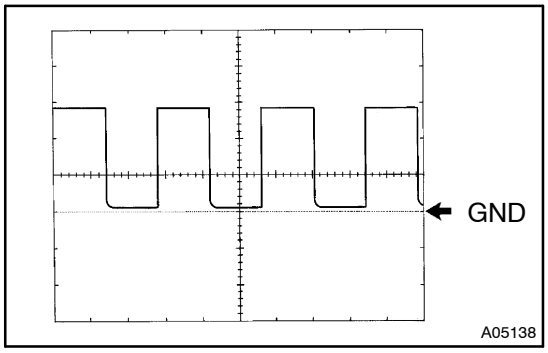


Waveform 1 (Reference):

Item	Contents
Tool setting	5 V/DIV, 20 ms/DIV
Vehicle condition	Driving at approx. 20 Km/h

HINT:

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



Waveform 2 (Reference):

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