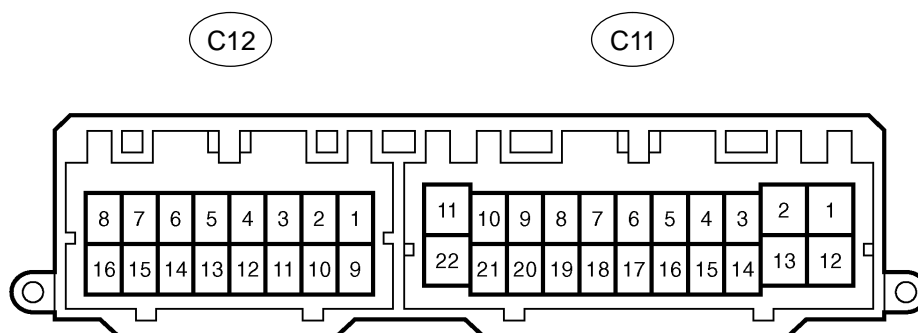


TERMINALS OF ECU COMBINATION METER ASSY

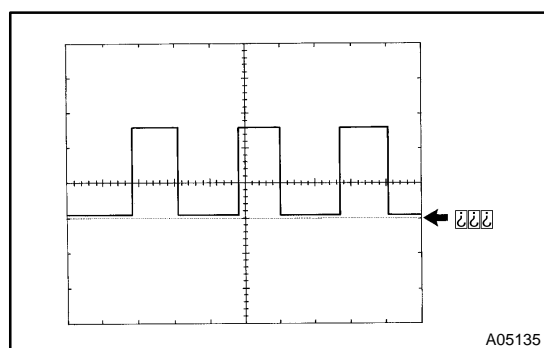


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Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specified Condition
IG+ (C11-1) - Body ground	P - Body ground	Ignition switch signal	Ignition switch OFF → ON	Below 1 V → 10 to 14 V
ECU+B (C11-2) - Body ground	LG - Body ground	Battery	Always	10 to 14 V
ILL (C11-7) - Body ground	B - Body ground	Illumination signal	Tail light OFF → ON	Pulse generation
FUEL (C11-9) - Body ground	O - Body ground	Fuel signal	Ignition switch ON, fuel level is FULL → EMPTY	Below 1 V → 4 to 7 V
SIGNAL GND (C11-11) - Body ground	R - Body ground	Ground	Always	Below 1 Ω
DOME (C11-12) - Body ground	V - Body ground	Battery	Always	10 to 14 V
IG2 (C11-13) - Body ground	SB - Body ground	Ignition switch signal	Ignition switch OFF → ON	Below 1 V → 10 to 14 V
TURN L (C11-14) - 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 (C11-15) - 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 (C11-17) - Body ground	W - Body ground	ABS signal	Ignition switch ON, ABS warning light ON → OFF	6.7 to 12 V → Below 1 V
BEAM- (C11-19) - Body ground	BR - Body ground	Hi-Beam signal	Headlight dimmer switch Lo → Hi	10 to 14 V → Below 1 V
MPX- (C11-21)	-	Communication signal	Communication circuit	-
POWER GND (C11-22) - Body ground	W-B - Body ground	Ground	Always	Below 1 Ω
TACH (C12-1) - Body ground	O - Body ground	Tacho meter signal (Input)	Engine running	Pulse generation (See waveform 2)
CHECK ENGINE (C12-4) - Body ground	L - Body ground	CHECK ENGINE signal	Ignition switch ON, CHECK EN- GINE warning light ON → OFF	Below 1 V → 10 to 14 V
SP1 (C12-6) - Body ground	GR - Body ground	Speed signal (Input)	Ignition switch ON and turn the wheel slowly	Pulse generation (See waveform 1)
VSC (C12-7) - Body ground	P - Body ground	VSC signal	Ignition switch ON, VSC warning light ON → OFF	Below 1 V → 10 to 14 V

MPX+ (C12-9)	-	Communication signal	Communication circuit	-
BRAKE (C12-10) - 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 (C12-11) - 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 (C12-12) - Body ground	BR - Body ground	Washer level signal	Washer indicator OFF → ON	10 to 14 V → Below 1 V
4P OUT (C12-13) - Body ground	W - Body ground	Speed signal (Output)	Ignition switch ON and turn the wheel slowly	Pulse generation (See waveform 1)
BEAM+ (C12-16) - Body ground	G - Body ground	Hi-Beam signal	Hi-Beam OFF → ON	Below 1 V → 10 to 14 V

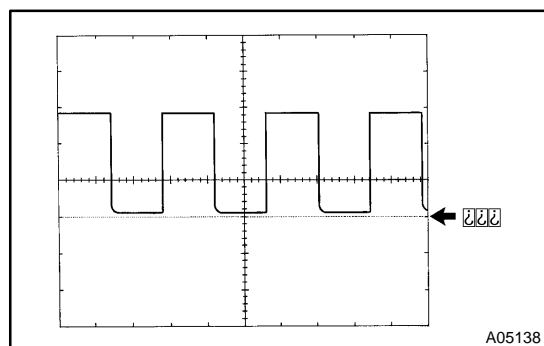


Waveform 1 (Reference):

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