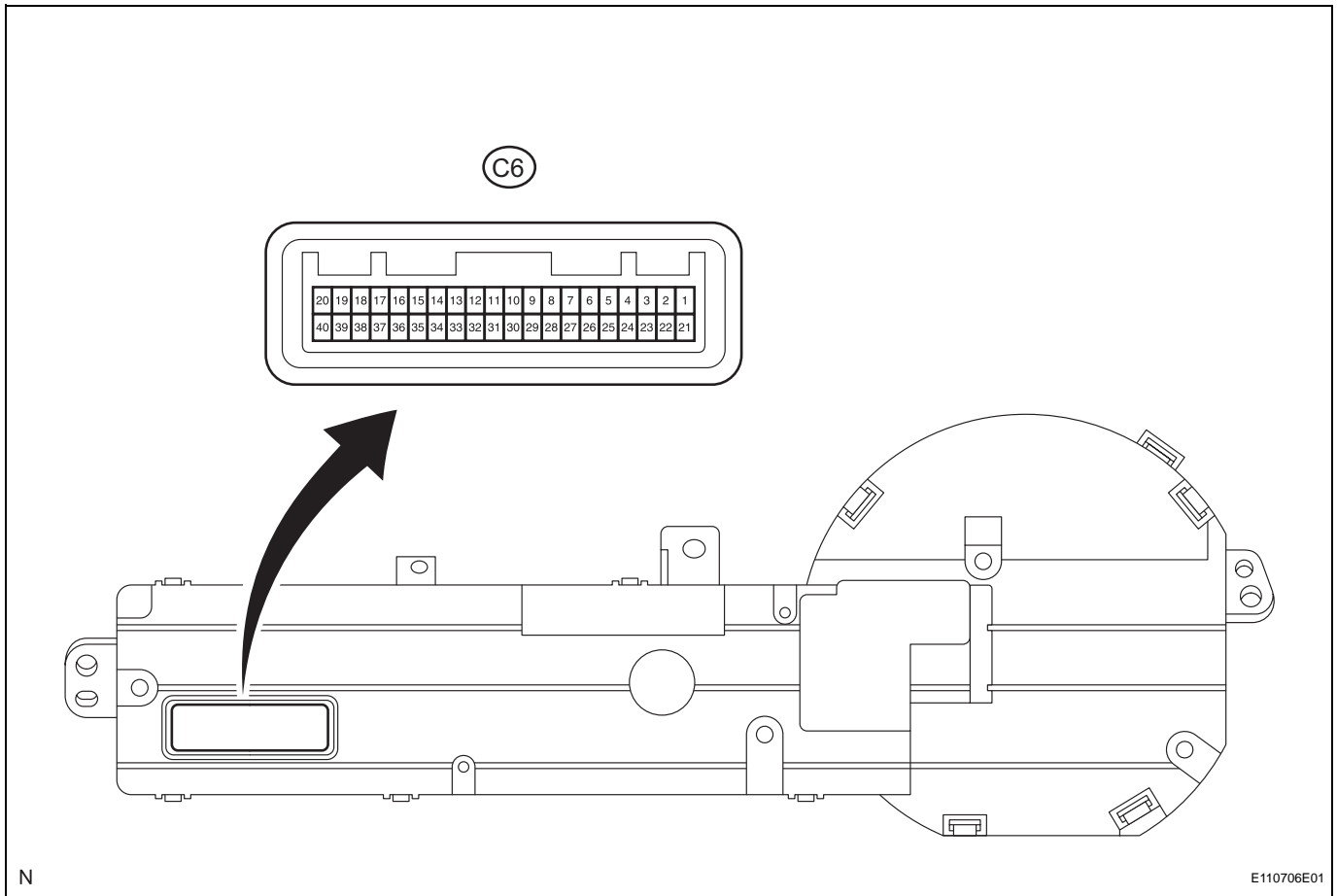


# TERMINALS OF ECU

## 1. CHECK COMBINATION METER ASSEMBLY



ME

- (a) Disconnect the C6 meter connector.
- (b) Measure the resistance and voltage of the wire harness side connector.

Terminal No.	Wiring Color	Terminal Description	Condition	Specified Condition
C6-1 - C6-21	L-Y - BR	Battery (+B circuit)	Always	10 to 14 V
C6-21 - Body ground	BR - Body ground	Body ground		Below 1 Ω
C6-23 - C6-21	R-B - BR	IG1 signal	Ignition switch ON	10 to 14 V
			Ignition switch OFF	Below 1 V
C6-40 - C6-21	B-R - BR	IG2 signal	Ignition switch ON	10 to 14 V
			Ignition switch OFF	Below 1 V

If the result is not as specified, there may be a malfunction on the wire harness side.

- (c) Reconnect the C6 meter connector.
- (d) Measure the voltage of the connector.

Terminal No.	Wiring Color	Terminal Description	Condition	Specified Condition
C6-2 - C6-21	Y-B - BR	WATER COOL indicator light signal	COOL indicator light ON	10 to 14 V
			COOL indicator light OFF	Below 1 V
C6-3 - C6-21	Y-R - BR	WATER HOT indicator light signal	HOT indicator light ON	10 to 14 V
			HOT indicator light OFF	Below 1 V
C6-4 - C6-21	BR-W - BR	VSC indicator light signal	VSC indicator light OFF	10 to 14 V
			VSC indicator light ON	Below 1 V

Terminal No.	Wiring Color	Terminal Description	Condition	Specified Condition
C6-5 - C6-21	B-R - BR	Slip indicator light signal	Slip indicator light OFF	10 to 14 V
			Slip indicator light ON	Below 1 V
C6-6 - C6-21	R - BR	A/T P indicator light signal	A/T P indicator light ON	10 to 14 V
			A/T P indicator light OFF	Below 1 V
C6-7 - C6-21	R-W - BR	A/T R indicator light signal	A/T R indicator light ON	10 to 14 V
			A/T R indicator light OFF	Below 1 V
C6-8 - C6-21	GR - BR	A/T N indicator light signal	A/T N indicator light ON	10 to 14 V
			A/T N indicator light OFF	Below 1 V
C6-9 - C6-21	R-Y - BR	A/T D indicator light signal	A/T D indicator light ON	10 to 14 V
			A/T D indicator light OFF	Below 1 V
C6-10 - C6-21	G-R - BR	A/T 2 indicator light signal	A/T 2 indicator light ON	10 to 14 V
			A/T 2 indicator light OFF	Below 1 V
C6-11 - C6-21	G-W - BR	A/T L indicator light signal	A/T L indicator light ON	10 to 14 V
			A/T L indicator light OFF	Below 1 V
C6-12 - C6-21	G-O - BR	O/D OFF indicator light signal	O/D OFF indicator light OFF	10 to 14 V
			O/D OFF indicator light ON	Below 1 V
C6-13 - C6-21	G-B - BR	Left turn indicator light signal	Left turn indicator light ON	10 to 14 V
			Left turn indicator light OFF	Below 1 V
C6-14 - C6-21	B-Y - BR	Hi beam indicator light signal	Hi beam indicator light OFF	10 to 14 V
			Hi beam indicator light ON	Below 1 V
C6-15 - C6-21	R-W - BR	DOOR indicator light signal (Except Front LH Door)	DOOR indicator light ON	10 to 14 V
			DOOR indicator light OFF	Below 1 V
C6-16 - C6-21	Y - BR	CHARGE indicator light signal	CHARGE indicator light OFF	10 to 14 V
			CHARGE indicator light ON	Below 1 V
C6-17 - C6-21	G - BR	Oil pressure indicator light signal	Oil pressure indicator light OFF	10 to 14 V
			Oil pressure indicator light ON	Below 1 V
C6-18 - C6-21	G-Y - BR	Right turn indicator light signal	Right turn indicator light ON	10 to 14 V
			Right turn indicator light OFF	Below 1 V
C6-19 - C6-21	R-Y - BR	TRAC OFF indicator light signal	TRAC OFF indicator light OFF	10 to 14 V
			TRAC OFF indicator light ON	Below 1 V
C6-20 - C6-21	Y-G - BR	MIL signal	MIL OFF	10 to 14 V
			MIL ON	Below 1 V
C6-24 - C6-21	R - BR	DOOR indicator light signal (Front door LH)	DOOR indicator light ON	10 to 14 V
			DOOR indicator light OFF	Below 1 V
C6-25 - C6-21	Y - BR	Ignition key condition	Ignition key is not inserted	10 to 14 V
			Ignition key is inserted	Below 1 V
C6-26 - C6-21	G - BR	Illumination signal	Light control switch TAIL or HEAD	10 to 14 V
			Light control switch OFF	Below 1 V

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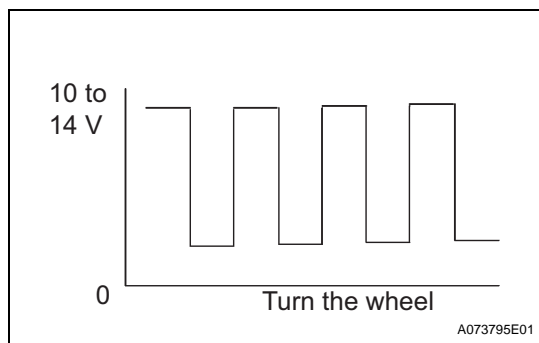
Terminal No.	Wiring Color	Terminal Description	Condition	Specified Condition
C6-27 - C6-21	W-G - BR	Light control rheostat signal	Light control rheostat switch maximum	10 to 14 V
			Light control rheostat switch minimum	1.2 to 2.0 V
C6-28 - C6-21	W-R - BR	Speed signal input	Ignition switch ON and slowly turn drive wheel	Pulse generation (See waveform 1)
			Ignition switch OFF	Below 1 V
C6-29 - C6-21	V-W - BR	Speed signal output	Ignition switch ON and slowly turn drive wheel	Pulse generation (See waveform 1)
			Ignition switch OFF	
C6-30 - C6-21	B - BR	Tachometer signal input	Engine running	Pulse generation (See waveform 2)
			Ignition switch OFF	Below 1 V
C6-31 - C6-21	V - BR	Fuel sender gauge signal	Fuel level empty	4 to 7 V
			Fuel level full	Below 1 V
C6-32 - C6-21	W-R - BR	Driver side seat belt signal	Ignition switch ON and driver side seat belt unfastened	10 to 14 V
			Ignition switch ON and driver side seat belt fastened	Below 1 V
C6-33 - C6-21	O - BR	Front passenger side seat belt signal	Ignition switch ON and front passenger side seat belt unfastened	10 to 14 V
			Ignition switch ON and front passenger side seat belt fastened	Below 1 V
6-34 - C6-21	B-Y - BR	SRS indicator light signal	SRS indicator light ON	10 to 14 V
			SRS indicator light OFF	Below 1 V
C6-35 - C6-21	G-W - BR	Passenger seat belt warning light signal	Passenger seat belt warning light ON	10 to 14 V
			Passenger seat belt warning light OFF	Below 1 V
C6-36 - C6-21	B - BR	Brake fluid level warning switch signal	BRAKE indicator light OFF	10 to 14 V
			BRAKE indicator light ON	Below 1 V
C6-37 - C6-21	P - BR	ABS indicator light signal	ABS warning light ON	10 to 14 V
			ABS warning light OFF	Below 1 V
C6-38 - C6-21	B-W - BR	BRAKE indicator light signal	BRAKE indicator light ON	10 to 14 V
			BRAKE indicator light OFF	Below 1 V

ME

If the result is not as specified, the combination meter may be malfunctioning.

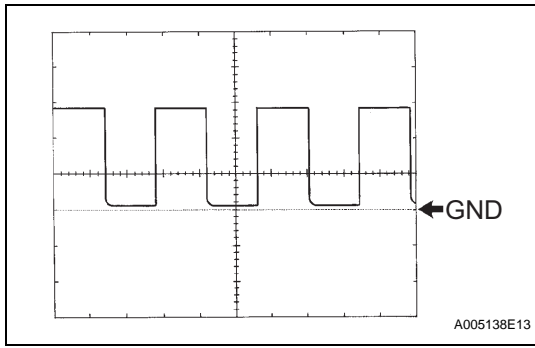
- (e) Using an oscilloscope, check the signal waveform of the meter.

**Waveform 1 (Reference)**



Item	Content
Terminal No.	C6-28 - Body ground C6-29 - Body ground
Tool Setting	5 V/DIV., 10 msec./DIV.
Vehicle Condition	Driving at approx. 20 km/h (12 mph)

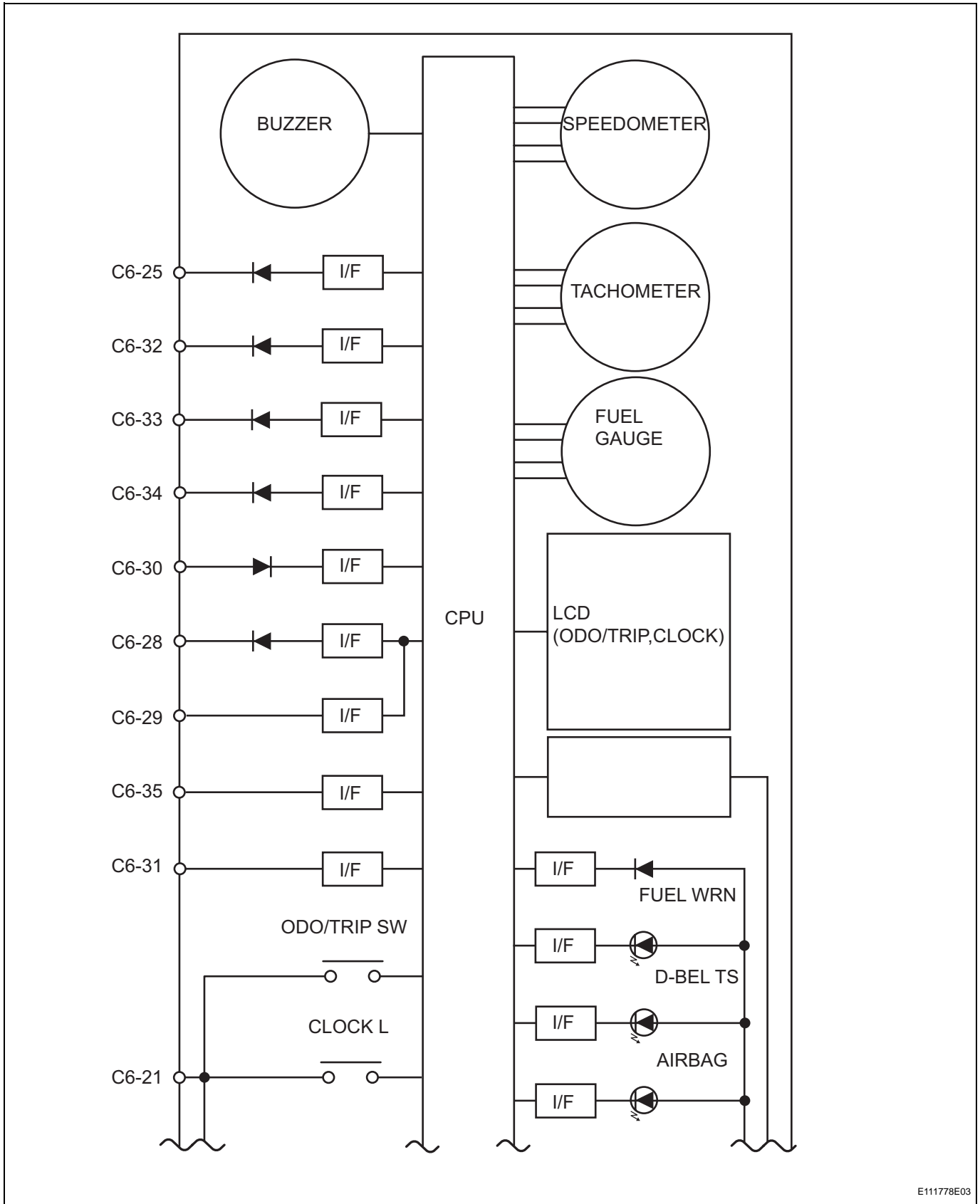
**HINT:**  
As vehicle speed increases, the wavelength shortens.



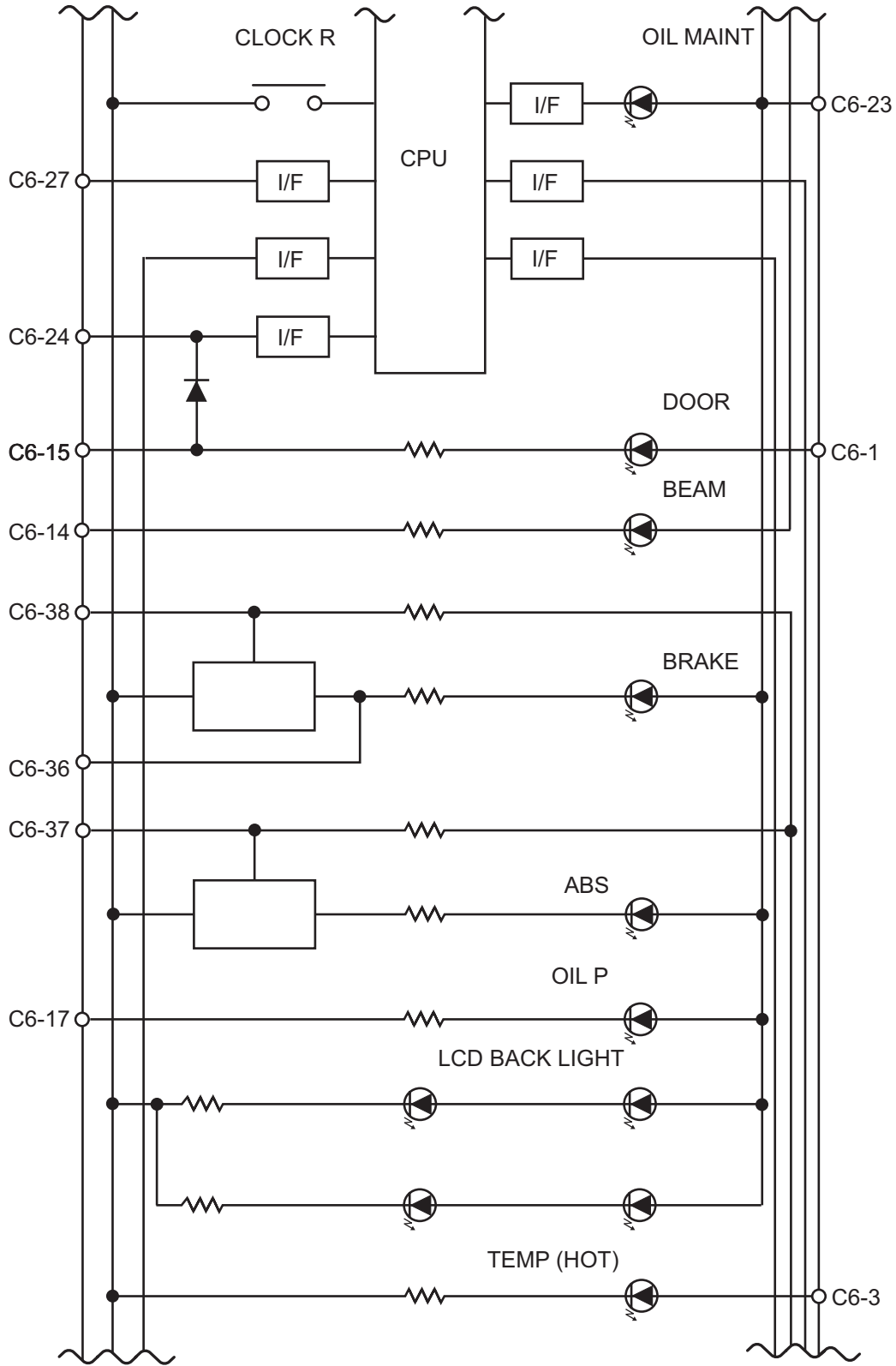
**Waveform 2 (Reference)**

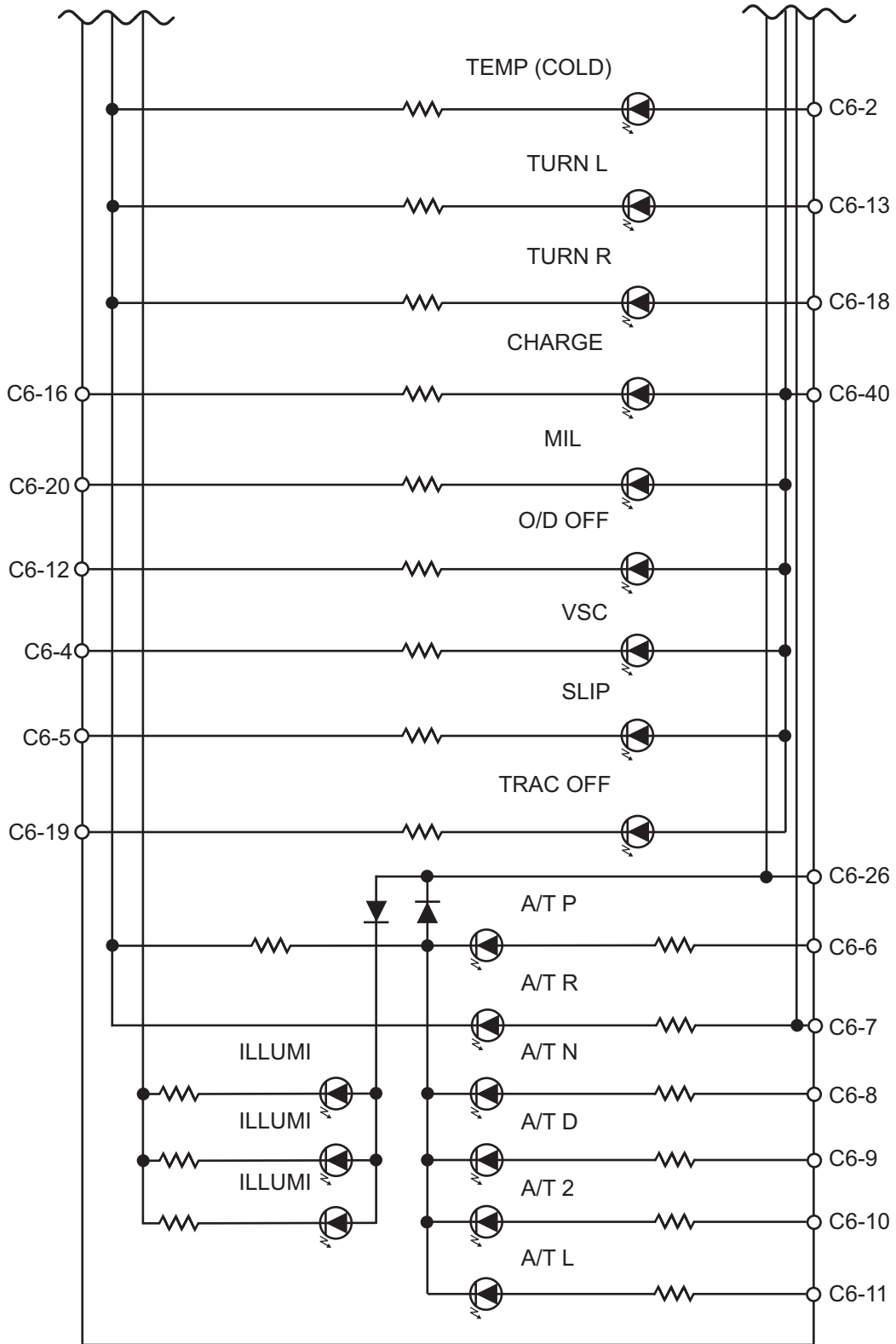
Item	Content
Terminal No.	C6-30 - Body ground
Tool Setting	5 V/DIV., 10 msec./DIV.
Vehicle Condition	Engine idling

**HINT:**  
As vehicle speed increases, the wavelength shortens.



ME





ME

Table of Terminal Connection

Terminal No.	Wire Harness Side	
C6	1	DOME Fuse
	2	ECM
	3	
	4	
	5	Skid Control ECU with Actuator
	6	
	7	
	8	
	9	
	10	
	11	Park / Neutral Position Switch Assembly
	12	
	13	
	14	
	15	
	16	
	17	
	18	
	19	
	20	
	21	
	22	-
	23	GAUGE Fuse
	24	Front Door Courtesy Light Switch Assembly
	25	Unlock Warning Switch Assembly
	26	Light Control Switch Assembly
	27	Light Control Rheostat
	28	Skid Control ECU with Actuator
	29	ECM Door Lock Control Relay Radio and Player
	30	ECM
	31	Fuel Sender Gauge Assembly
	32	Front Buckle Switch Assembly LH
	33	Front Buckle Switch Assembly RH Occupant Detection Sensor
	34	Center Airbag Sensor Assembly
	35	Integration Control and Panel
	36	Brake Fluid Level Warning Switch
	37	Skid Control ECU with Actuator
	38	
	39	-
	40	Ignition Switch Assembly

ME