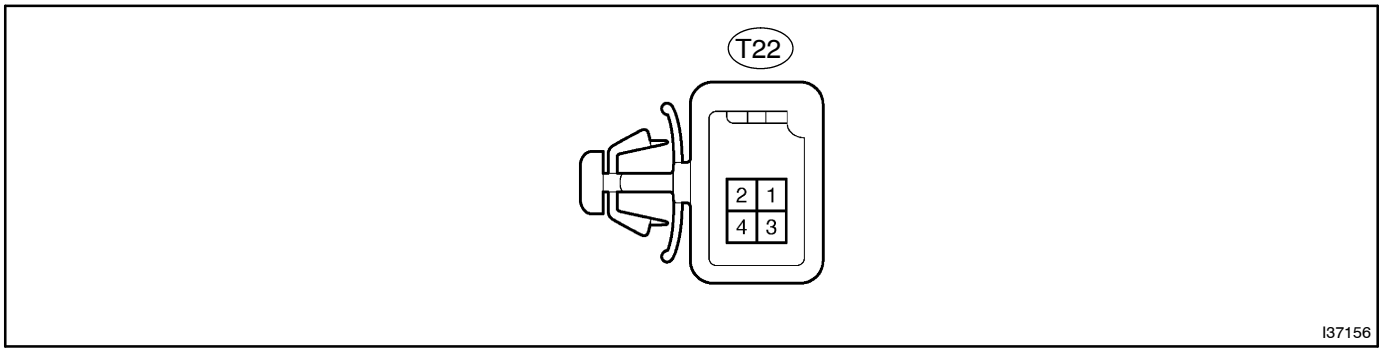
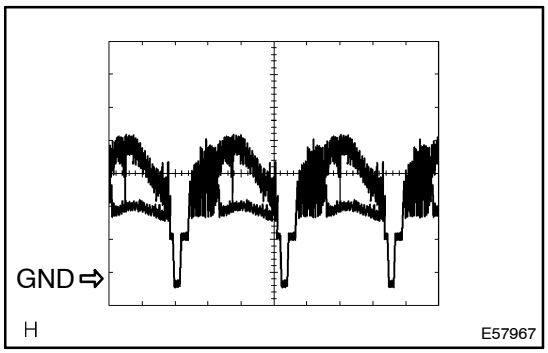
05I11–01

TERMINALS OF ECU

1. TELEVISION CAMERA ASSY



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified value
CV– (T22–1) – CGND (T22–3)	Shielded – W	Display signal (–)	Always	Below 1 Ω
CV+ (T22–2) – CGND (T22–3)	R – W	Display signal (+)	IG switch ON, shift lever R position	Pulse generation (see wave form 1)
CGND (T22–3) – Body ground	W – Body ground	Power ground	Always	Below 1 Ω
CB+ (T22–4) – CGND (T22–3)	B – W	Power source	IG switch ON, shift lever R position	6 V

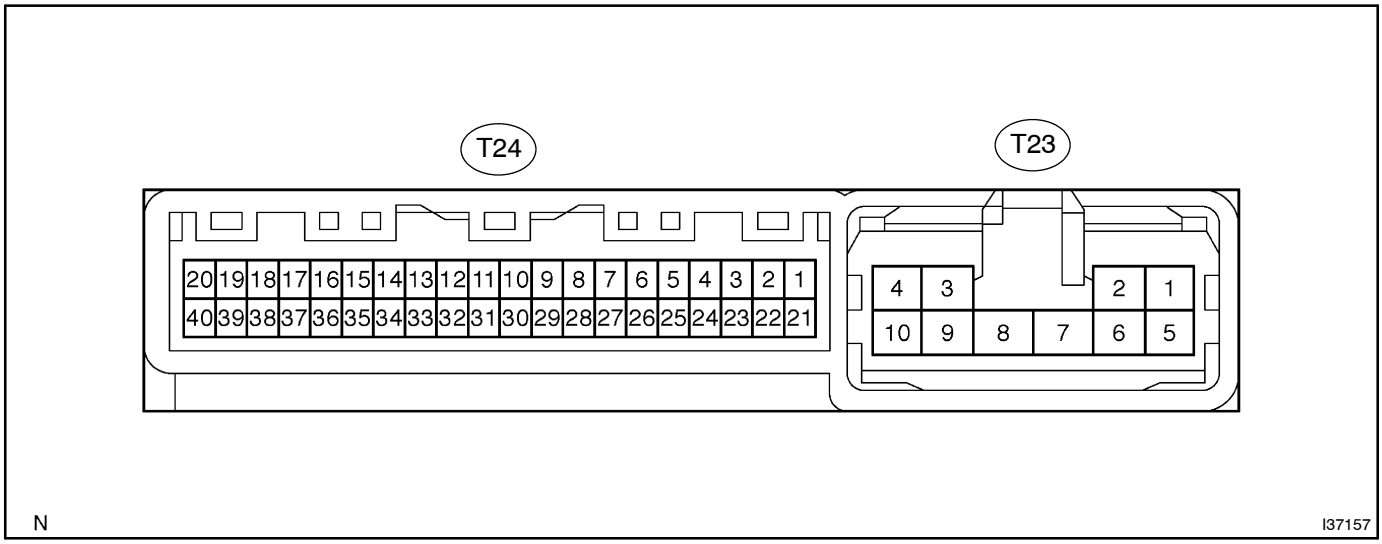


(a) Reference:

(1) Wave form 1

Item	Content
Measure terminal	CV+ – CV–
Measure set	0.2 V/DIV, 0.2 μS/DIV
Condition	Ignition switch: ON, Shift lever: R position

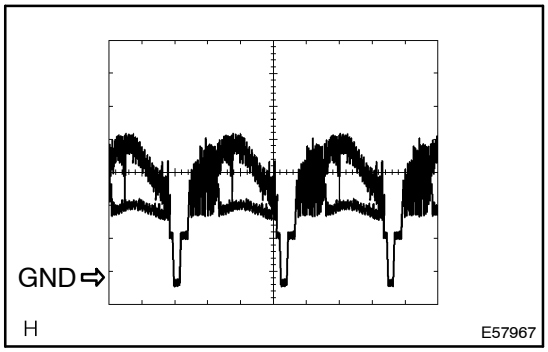
2. TELEVISION CAMERA ECU



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified value
+B (T23–1) – GND1 (T23–8)	R – W–B (*1) BR – W–B (*2)	Battery supply	Always	10 to 14 V
IG (T23–2) – GND1 (T23–8)	Y – W–B (*1) R – W–B (*2)	IG signal input	IG switch ON	10 to 14 V
ACC (T23–5) – GND1 (T23–8)	SB – W–B (*1) G – W–B (*2)	ACC signal input	IG switch ON or ACC	10 to 14 V
GND1 (T23–8) – Body ground	W–B – Body ground	Power ground	Always	Below 1 Ω
CANL (T24–7) – CANH (T24–8)	L – LG (*1) L – LG (*2)	CAN communication	IG switch OFF	54 to 67 Ω
VG (T24–9) – GND1 (T23–8)	Shielded – W–B	Display signal output ground (Shielded)	Always	Below 1 Ω
R (T24–10) – GND1 (T23–8)	R – W–B (*1) B – W–B (*2)	Display signal output (Red)	While displaying map or back monitor	Pulse generation (see wave form 2)
G (T24–11) – GND1 (T23–8)	W – W–B	Display signal output (Green)	While displaying map or back monitor	Pulse generation (see wave form 2)
B (T24–12) – GND1 (T23–8)	B – W–B (*1) R – W–B (*2)	Display signal output (Blue)	While displaying map or back monitor	Pulse generation (see wave form 2)
B1 (T24–13) – GND1 (T23–8)	G – W–B (*1) R – W–B (*2)	Display signal input (Blue)	While displaying map	Pulse generation (see wave form 2)
G1 (T24–14) – GND1 (T23–8)	W – W–B	Display signal input (Green)	While displaying map	Pulse generation (see wave form 2)
R1 (T24–15) – GND1 (T23–8)	Y – W–B (*1) B – W–B (*2)	Display signal input (Red)	While displaying map	Pulse generation (see wave form 2)
VG1(T24–16) – GND1 (T23–8)	Shielded – W–B	Display signal input ground (Shielded)	Always	Below 1 Ω
CGND (T24–19) – GND1 (T23–8)	W – W–B	Television camera ground	Always	Below 1 Ω
CB+ (T24–20) – GND1 (T23–8)	B – W–B	Power source to television camera	IG switch ON, shift lever R position	6 V
TX+ (T24–29) – GND1 (T23–8)	B – W–B (*1) LG – W–B (*2)	AVC–LAN control bus	IG switch ACC	2 to 3 V

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified value
TX– (T24–30) – GND1 (T23–8)	W – W–B (*1) L – W–B (*2)	AVC–LAN control bus	IG switch ACC	2 to 3 V
SYNC (T24–31) – GND1 (T23–8)	G – W–B	Synchronized signal output	While displaying map or back monitor	Pulse generation (see wave form 3)
VR (T24–32) – GND1 (T23–8)	Y – W–B	Display signal output ground	Always	Below 1 Ω
VR1 (T24–33) – GND1 (T23–8)	R – W–B (*1) Y – W–B (*2)	Display signal input ground	Always	Below 1 Ω
SYN1 (T24–34) – GND1 (T23–8)	B – W–B (*1) G – W–B (*2)	Synchronized signal input	While displaying map	Pulse generation (see wave form 3)
CV– (T24–39) – GND1 (T23–8)	Shielded – W–B	Television camera ground (Shielded)	Always	Below 1 Ω
CV+ (T24–40) – GND1 (T23–8)	R – W–B	Display signal of television camera input	IG switch ON, shift lever R position	Pulse generation (see wave form 1)

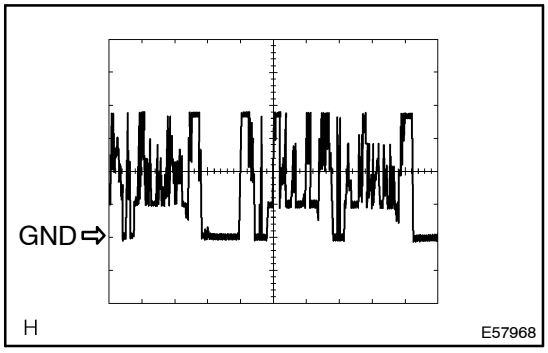
*1: LHD
*2: RHD



(a) Reference:

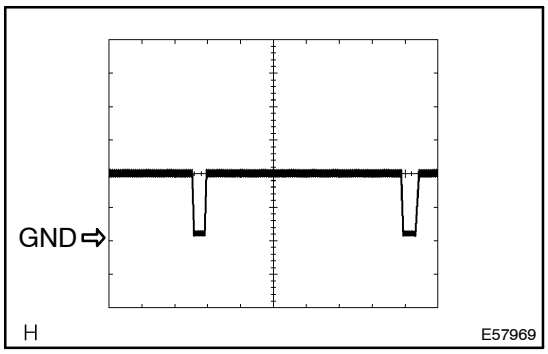
(1) Wave form 1

Item	Content
Measure terminal	CV+ – GND1
Measure set	0.2 V/DIV, 0.2 μS/DIV
Condition	Ignition switch: ON, Shift lever: R position



(2) Wave form 2

Item	Content
Terminal	R, G, B, R1, G1, B1, – GND1
Measure set	200 mV/DIV, 10 μS/DIV
Condition	Image is being displayed (Back guide monitor system or navigation system).



(3) Wave form 3

Item	Content
Terminal	SYNC, SYN1 – GND1
Measure set	500 mV/DIV, 10 μS/DIV
Condition	Image is being displayed (Back guide monitor system or navigation system).