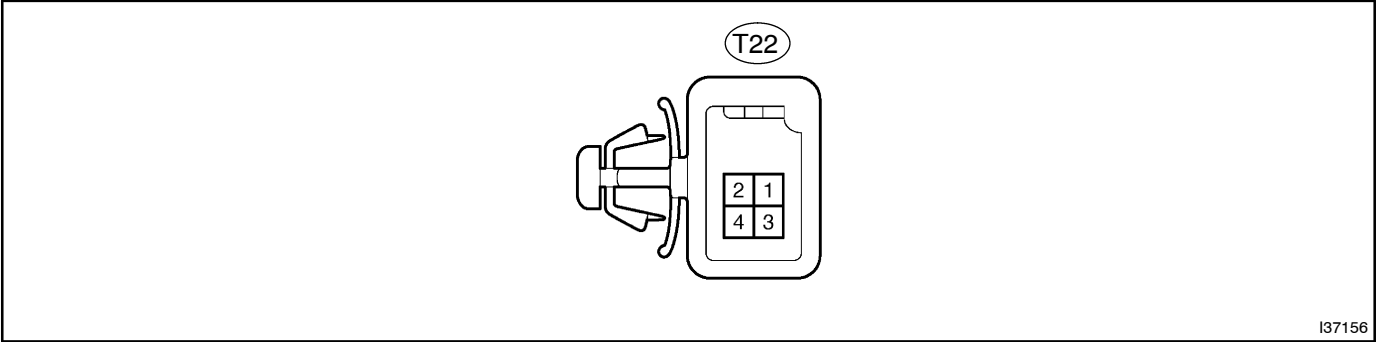
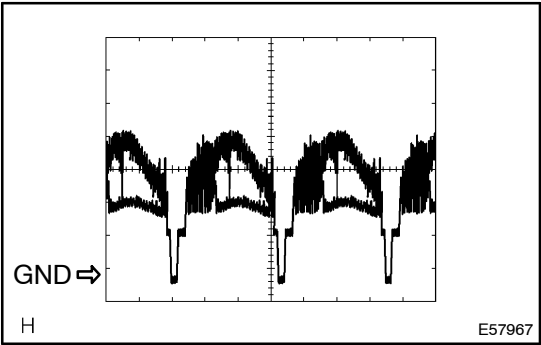


TERMINALS OF ECU

1. TELEVISION CAMERA ASSY



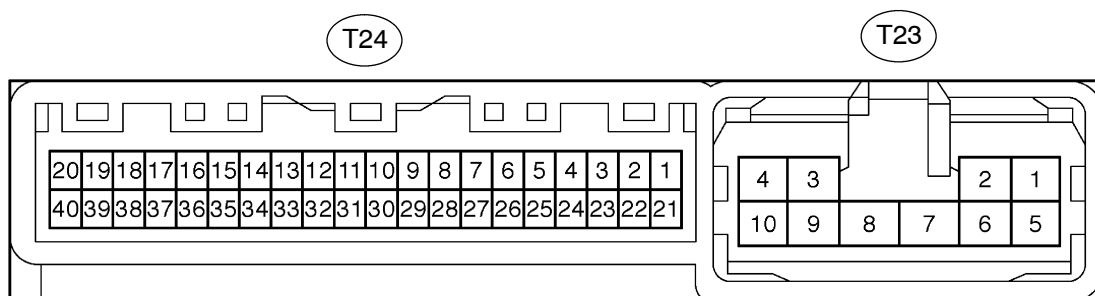
Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified value
CV- (T22-1) - CGND (T22-3)	Shielded - W	Display signal (-)	Always	Below 1 Ω
CV+ (T22-2) - CGND (T22-3)	R - W	Display signal (+)	IG switch ON, shift lever R position	Pulse generation (see wave form 1)
CGND (T22-3) - Body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



N

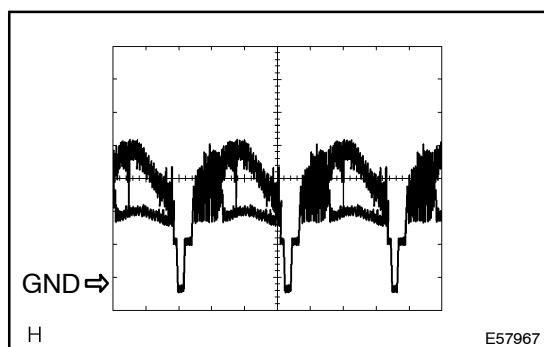
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Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified value
+B (T23-1) – GND1 (T23-8)	R – W-B (*1) BR – W-B (*2)	Battery supply	Always	10 to 14 V
IG (T23-2) – GND1 (T23-8)	Y – W-B (*1) R – W-B (*2)	IG signal input	IG switch ON	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

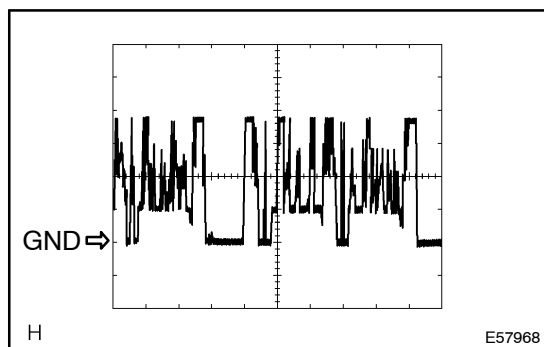
*2: RHD



(a) Reference:

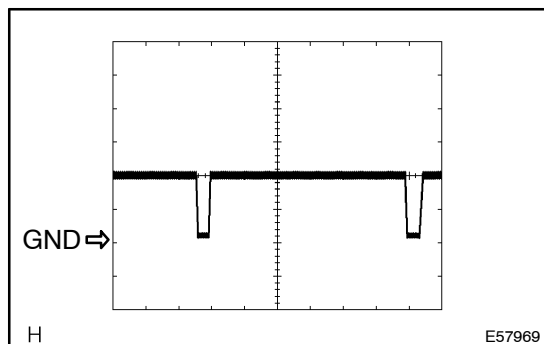
(1) Wave form 1

Item	Content
Measure terminal	CV+ - GND1
Measure set	0.2 V/DIV, 0.2 μ S/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 μ S/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 μ S/DIV
Condition	Image is being displayed (Back guide monitor system or navigation system).