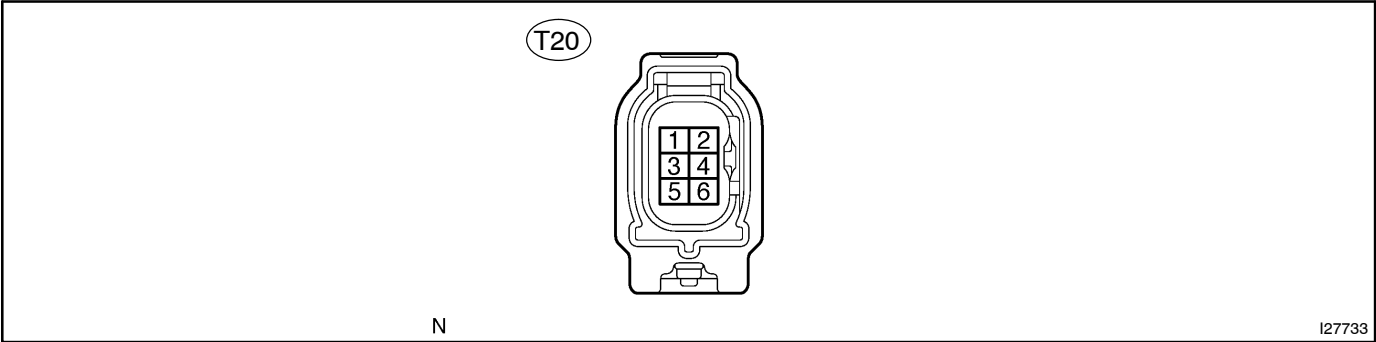
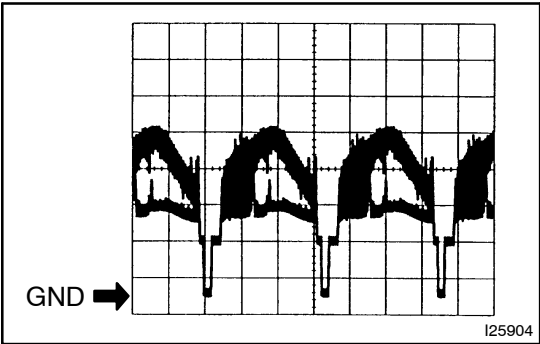


TERMINALS OF ECU

1. TELEVISION CAMERA ASSY



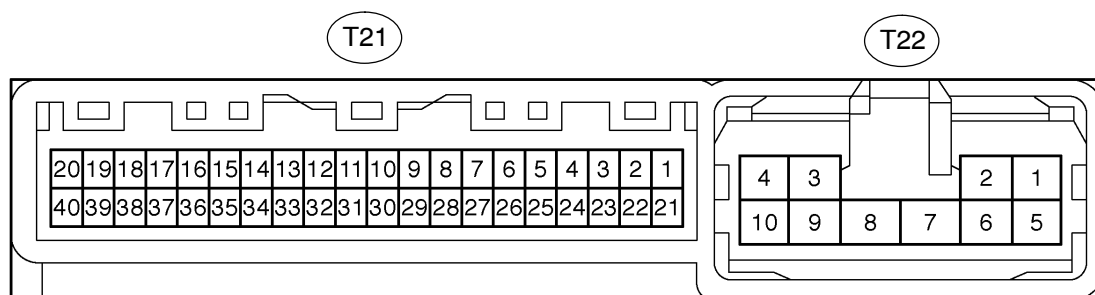
Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified value
CV- (T20-1) – CGND (T20-3)	BR – W	Display signal (-)	Always	Blow 1 Ω
CV+ (T20-2) – CGND (T20-3)	R – W	Display signal (+)	IG switch ON, shift lever R position	Signal waveform 1
CGND (T20-3) – Body ground	W – Body ground	Power ground	Always	Blow 1 Ω
CB+ (T20-4) – CGND (T20-3)	B – W	Power source	IG switch ON, shift lever R position	6 V



- (a) Reference:
Oscilloscope waveform
(1) Waveform 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

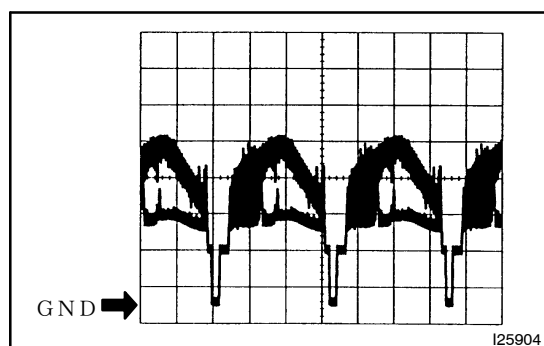


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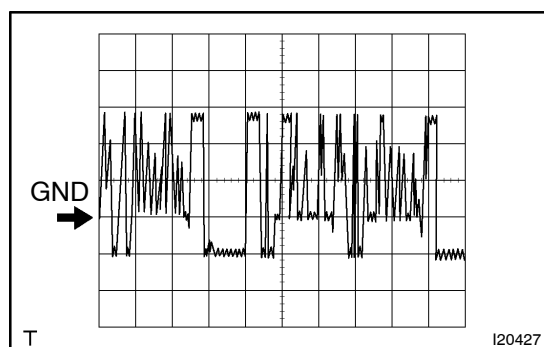
Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified value
+B (T22-1) – GND1 (T22-8)	L-Y – W-B	Battery Supply	Always	10 to 14 V
IG (T22-2) – GND1 (T22-8)	B-W – W-B	IG signal input	IG switch ON	10 to 14 V
ACC (T22-5) – GND1 (T22-8)	GR – W-B	ACC signal input	IG switch ON or ACC	10 to 14 V
GND1 (T22-8) – Body ground	W-B – Body ground	Power ground	Always	Below 1 Ω
VG (T21-9) – GND1 (T22-8)	Shielded – W-B	Display signal output ground (Shielded)	Always	Below 1 Ω
R (T21-10) – GND1 (T22-8)	Y – W-B	Display signal output (Red)	While displaying map or back monitor	Signal waveform 2
G (T21-11) – GND1 (T22-8)	W – W-B	Display signal output (Green)	While displaying map or back monitor	Signal waveform 2
B (T21-12) – GND1 (T22-8)	R – W-B	Display signal output (Blue)	While displaying map or back monitor	Signal waveform 2
B1 (T21-13) – GND1 (T22-8)	R – W-B	Display signal input (Blue)	While displaying map	Signal waveform 2
G1 (T21-14) – GND1 (T22-8)	W – W-B	Display signal input (Green)	While displaying map	Signal waveform 2
R1 (T21-15) – GND1 (T22-8)	Y – W-B	Display signal input (Red)	While displaying map	Signal waveform 2
VG1(T21-16) – GND1 (T22-8)	Shielded – W-B	Display signal input ground (Shielded)	Always	Below 1 Ω
CGND (T21-19) – GND1 (T22-8)	W – W-B	Television camera ground	Always	Below 1 Ω
CB+ (T21-20) – GND1 (T22-8)	B – W-B	Power source to television camera	IG switch ON, shift lever R position	6 V
REV (T21-27) – GND1 (T21-6)	R-B – W-B	Reverse signal input	IG switch ON, shift lever R position	10 to 14 V
TX+ (T21-29)	P	AVC-LAN control bus	See "Service check mode"	–
TX- (T21-30)	L-B	AVC-LAN control bus	See "Service check mode"	–
SYNC (T21-31) – GND1 (T22-8)	G – W-B	Synchronized signal output	While displaying map or back monitor	Signal waveform 3
VR (T21-32) – GND1 (T22-8)	B – W-B	Display signal output ground	Always	Below 1 Ω

VR1 (T21-33) – GND1 (T22-8)	B – W-B	Display signal input ground	Always	Below 1 Ω
SYN1 (T21-34) – GND1 (T22-8)	G – W-B	Synchronized signal input	While displaying map	Signal waveform 3
TX1- (T21-35)	L-B	AVC-LAN control bus	See "Service check mode"	–
TX1+ (T21-36)	P	AVC-LAN control bus	See "Service check mode"	–
CV- (T21-39) – GND1 (T22-8)	Shielded – W-B	Television camera ground (Shielded)	Always	Below 1 Ω
CV+ (T21-40) – GND1 (T22-8)	R – W-B	Display signal of television camera input	IG switch ON, shift lever R position	Signal waveform 1



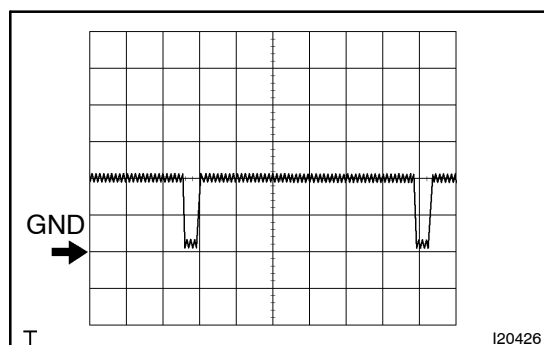
(a) Reference:
Oscilloscope waveform
(1) Waveform 1

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) Waveform 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) Waveform 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).