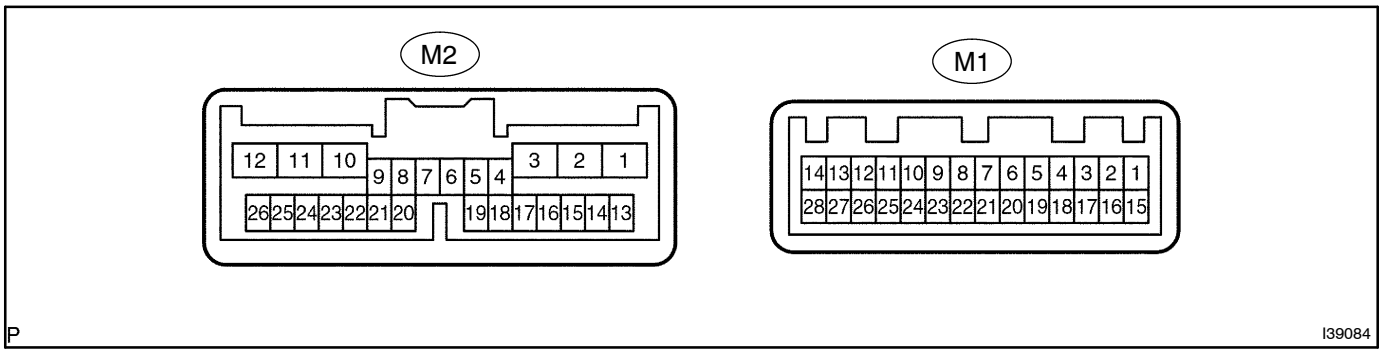
05HD9–01

TERMINALS OF ECU

1. MULTI–DISPLAY ASSY:



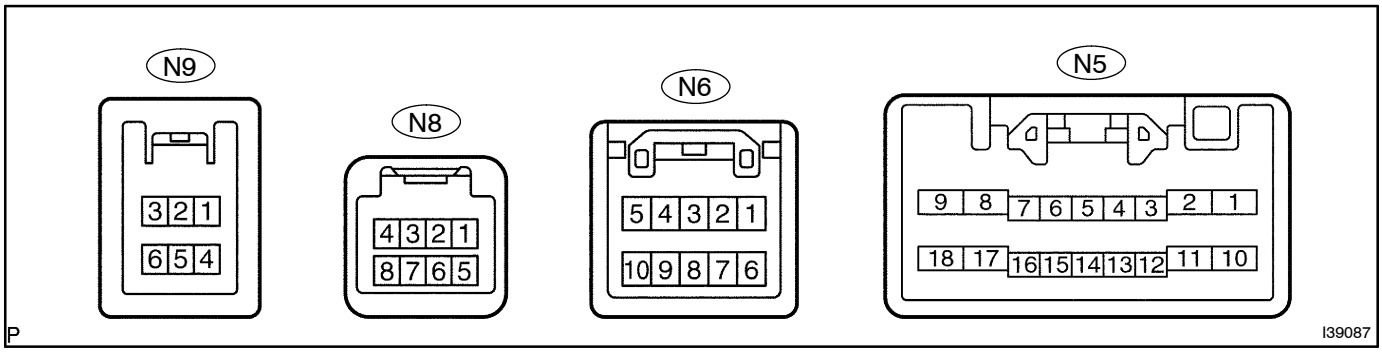
Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specification
GND (M1–3) – Body ground	W–B – Body ground	Ground	Always	Below 1 V
MCI+ (M1–4) – GND (M2–3)	R*1, Y*2 – W–B	Microphone voice signal	See ”microphone check”	–
MCI– (M1–5) – Body ground	G*1, BR*2 – Body ground	Microphone voice signal	See ”microphone check”	–
MACC (M1–6) – GND (M2–3)	W*1, O*2 – W–B	Microphone Accessory	Turn ignition switch OFF → ON	Below 1 V → 5 V
TELSW+ (M1–9) – GND (M2–3)	P*1, O*2 – W–B	Steering pad switch (telephone) signal	Steering pad switch (telephone) is push	–
TELSW– (M1–10) – Body ground	BR – Body ground	Steering pad switch ground	Always	Below 1 V
SLD (M1–17) – Body ground	Shielded – Body ground	Shielded ground	Always	Below 1 V
MCO+ (M1–18) – GND (M2–3)	G*1, Y*2 – W–B	Microphone voice signal	See ”microphone check”	–
MCO– (M1–19) – GND (M2–3)	R*1, BR*2 – W–B	Microphone voice signal	See ”microphone check”	–
SLD (M1–20) – Body ground	Shielded – Body ground	Shielded ground	Always	Below 1 V
IVO+ (M1–21) – GND (M2–3)	Y*1, P*2 – W–B	Telephone voice signal (bluetooth)	See ”microphone check”	–
IVO– (M1–22) – GND (M2–3)	BR*1, L*2 – W–B	Telephone voice signal (bluetooth)	See ”microphone check”	–
VR (M1–23) – GND (M2–3)	Y – W–B	Video return signal	Turn ignition switch OFF	Below 1 V
R (M1–24) – GND (M2–3)	R – W–B	Display signal (red)	Navigation display is on	–
G (M1–25) – GND (M2–3)	W – W–B	Display signal (green)	Navigation display is on	–
B (M1–26) – GND (M2–3)	B*1, R*2 – W–B	Display signal (blue)	Navigation display is on	–
SYNC (M1–27) – GND (M2–3)	G – W–B	Display signal (synchronize)	Navigation display is on	–
VG (M1–28) – Body ground	Shielded – Body ground	Shielded ground	Always	Below 1 V
ILL+ (M1–8)*1, (M2–1)*2 – GND (M2–3)	G – W–B	Illumination (rheostat) signal	Turn ignition switch OFF → ON	Below 1 V → 10 to 14 V
ILL– (M1–8)*1, (M2–2)*2 – Body ground	W–G – Body ground	Illumination (rheostat) signal	Turn ignition switch OFF → ON	Below 1 V → 10 to 14 V
GND (M1–7)*1, (M2–3)*2 – Body ground	W–B – Body ground	Ground	Always	Below 1 V
TC (M2–7) – GND (M2–3)	P–B – W–B	Diagnosis ON signal	Turn ignition switch to the ON position	9 to 14 V

IG (M2–10) – GND (M2–3)	LG–R – W–B	Ignition (ON)	Turn ignition switch OFF → ON	Below 1 V → 10 to 14 V
ACC (M2–11) – GND (M2–3)	GR – W–B	Accessory (ON)	Turn ignition switch OFF → ACC or ON	Below 1 V → 10 to 14 V
+B1 (M2–12) – GND (M2–3)	R–G*1, L–Y*2 – W–B	Battery	Always	10 to 14 V
PKB (M2–16) – GND (M2–3)	LG*1, B–W*2 – W–B	Parking brake signal	Turn parking brake switch ON → OFF	Below 1 V → 10 to 14 V
TX2+ (M2–18) – GND (M2–3)	G*1, Y*2 – W–B	AVC–LAN communication signal	Turn ignition switch to ON	2 to 3 V
TX2– (M2–19) – GND (M2–3)	R*1, B*2 – W–B	AVC–LAN communication signal	Turn ignition switch to ON	2 to 3 V
SPD (M2–25) – GND (M2–3)	V–W – W–B	Speed signal from combination meter	See "vehicle signal check mode"	–

*1: LHD

*2: RHD

2. NAVIGATION ECU:

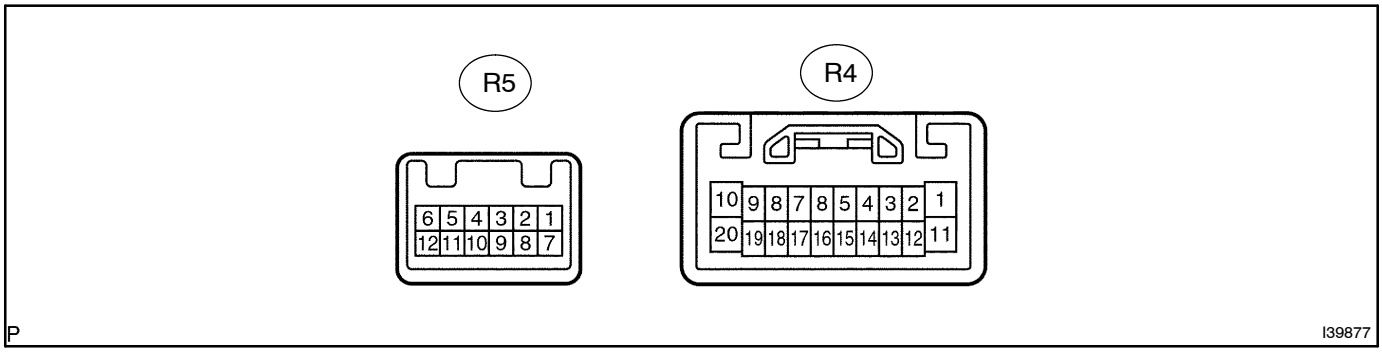


Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specification
AUI+ (N5–1) – GND1 (N5–17)	P*1, B*2 – W–B	Sound signal (input)	Audio system is playing	–
AUO+ (N5–2) – GND1 (N5–17)	P*1, LG*2 – W–B	Sound signal (output)	Audio system is playing	–
SLD1 (N5–3) – Body ground	Shielded – Body ground	Shielded ground	Always	Below 1.0 V
SPD (N5–5) – GND1 (N5–17)	V – W–B	Speed signal from combination meter	See "Vehicle Signal Check Mode" (see page 05–1755)	–
+B (N5–9) – GND1 (N5–17)	V*1, Y*2 – W–B	Battery	Always	10 to 14 V
AUI– (N5–10) – GND1 (N5–17)	L – W–B	Sound signal (input)	Audio system is playing	–
AUO– (N5–11) – GND1 (N5–17)	V*1, L*2 – W–B	Sound signal (output)	Audio system is playing	–
VOI+ (N5–12) – SLD1 (N5–3)	Y*1, R*2 – Shielded	Telephone voice signal (bluetooth)	See "microphone check"	–
VOI– (N5–13) – SLD1 (N5–3)	BR*1, G*2 – Shielded	Telephone voice signal (bluetooth)	See "microphone check"	–
REV (N5–14) – GND1 (N5–17)	L*1, O*2 – W–B	Reverse signal from combination meter	See "Vehicle Signal Check Mode" (see page 05–1755)	–
MUT2 (N5–15) – GND1 (N5–17)	SB – W–B	Mute signal	Audio system is playing → Changing	Above 3.5 V → Below 1 V
GND1 (N5–17) – Body ground	W–B – Body ground	Ground	Always	Below 1 V

ACC (N5–18) – GND1 (N5–17)	GR – W–B	Accessory (ON)	Turn ignition switch OFF → ACC or ON	Below 1 V → 10 to 14 V
VR (N6–1) – GND1 (N5–17)	R*1, Y*2 – W–B	Video return signal	Turn ignition switch OFF	Below 1 V
R (N6–2) – GND1 (N5–17)	Y*1, B*2 – W–B	Display signal (red)	Navigation display is on	–
B (N6–3) – GND1 (N5–17)	G – W–B	Display signal (blue)	Navigation display is on	–
TX+ (N6–5) – GND1 (N5–17)	B*1, LG*2 – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
VG (N6–6) – Body ground	Shielded – Body ground	Shielded ground	Always	Below 1 V
G (N6–7) – GND1 (N5–17)	W – W–B	Display signal (green)	Navigation display is on	–
SYNC (N6–8) – GND1 (N5–17)	B*1, G*2 – W–B	Display signal (synchronize)	Navigation display is on	–
TX– (N6–10) – GND1 (N5–17)	W*1, L*2 – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
MIC+ (N8–3) – GND1 (N5–17)	G*1, Y*2 – W–B	Microphone voice signal	See ”microphone check”	–
MIC– (N8–5) – GND1 (N5–17)	R*1, BR*2 – W–B	Microphone voice signal	See ”microphone check”	–
SNSE (N8–7) – Body ground	W–B – Body ground	Ground	Always	Below 1 V
TX1+ (N9–1) – GND1 (N5–17)	L*1, LG*2 – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX1– (N9–4) – GND1 (N5–17)	LG*1, L*2 – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V

*1: LHD
*2: RHD

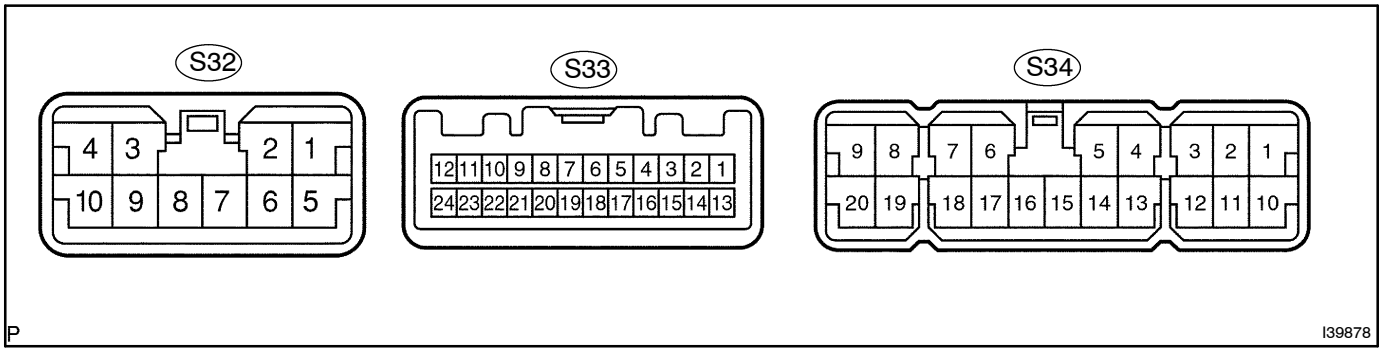
3. RADIO RECEIVER ASSY:



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
TX+ (R4–5) – GND (R4–20)	B*1, G*2 – BR	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX– (R4–15) – GND (R4–20)	W*1, R*2 – BR	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
GND (R4–20) – Body ground	BR – Body ground	Ground	Always	Below 1 V
TXM+ (R5–9) – GND (R4–20)	Y*1, B*2 – BR	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TXM– (R5–10) – GND (R4–20)	B*1, W*2 – BR	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V

*1: LHD
*2: RHD

4. STEREO COMPONENT AMPLIFIER ASSY:



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
TX–*1, MTX–*2 (S33–7) – GND (S34–16)	LG*3, W*4 – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX+*1, MTX+*2 (S33–8) – GND (S34–16)	L*2, B*4 – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TXD–*1, RTX–*2 (S33–19) – GND (S34–16)	R – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TXD+*1, RTX+*2 (S33–20) – GND (S34–16)	G – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
GND (S34–16) – Body ground	W–B – Body ground	Ground	Always	Below 1 Ω

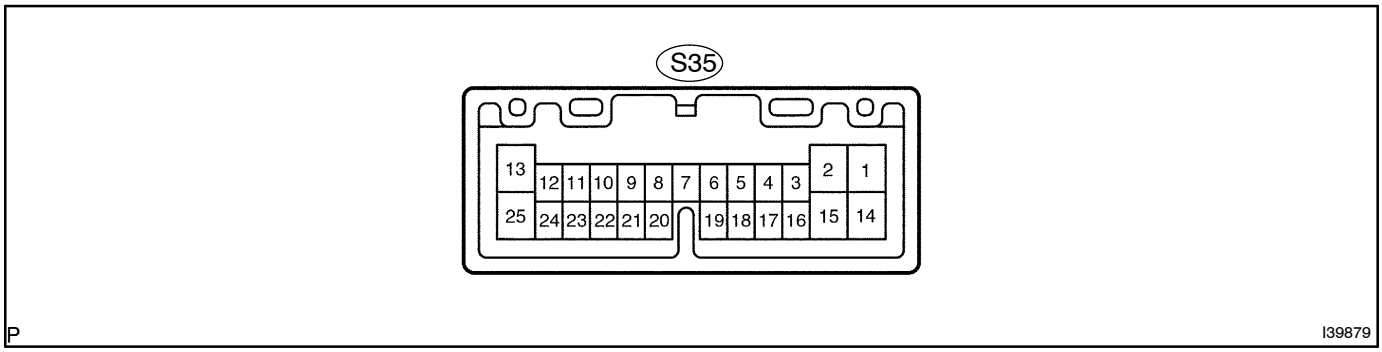
*1: Mark Levinson Models

*2: Standard Models

*3: LHD

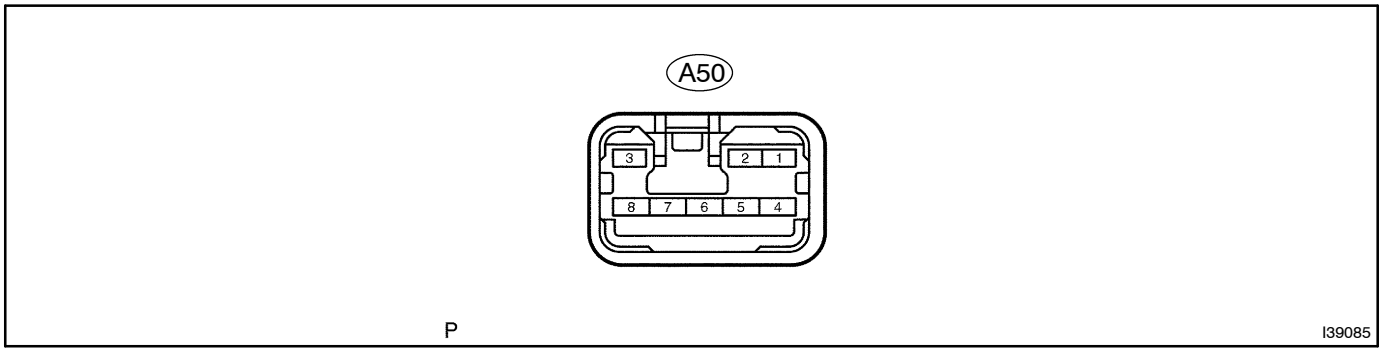
*4: RHD

5. STEREO COMPONENT TUNER:



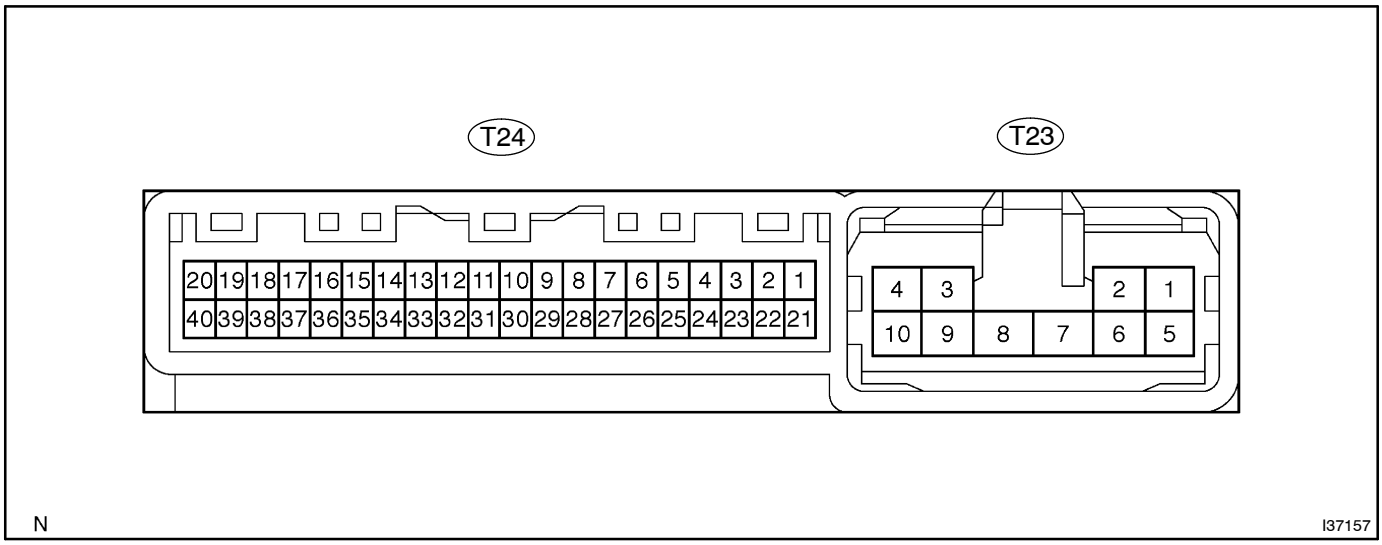
Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
ATX+ (S35–8) – GND (S35–25)	G*1, L*2 – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
MTX+ (S35–9) – GND (S35–25)	Y*1, B*2 – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
UTX+ (S35–10) – GND (S35–25)	L*2, LG*1 – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
UTX– (S35–22) – GND (S35–25)	LG*2, L*1 – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
ATX– (S35–20) – GND (S35–25)	R*1, LG*2 – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
MTX– (S35–21) – GND (S35–25)	B*1, W*2 – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
GND (S35–25) – Body ground	W–B – Body ground	Ground	Always	Below 1 Ω

6. AUDIO AND REAR A/C CONTROL SW:



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
TX+ (A50–3) – GND (A50–4)	O – B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
GND (A50–4) – Body ground	B – Body ground	Ground	Always	Below 1 Ω
TX– (A50–8) – GND (A50–4)	B–Y – B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V

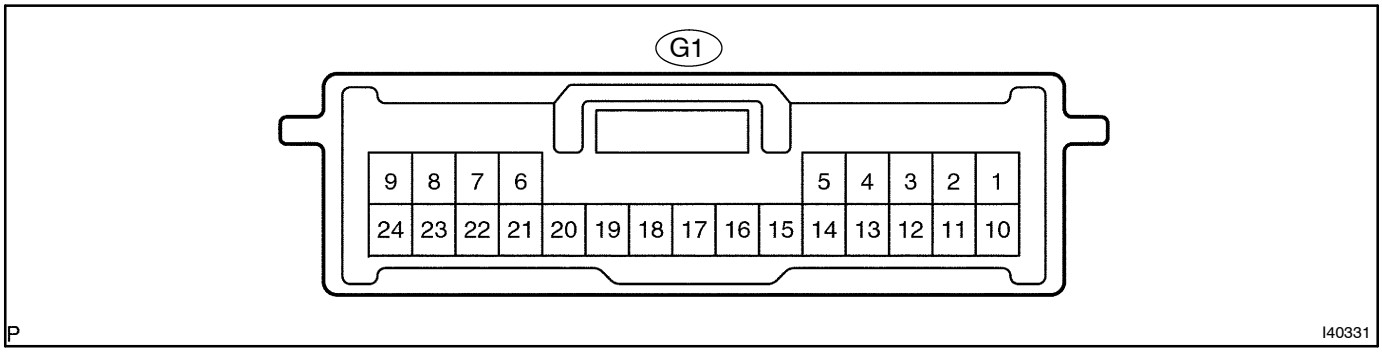
7. TELEVISION CAMERA ECU:



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
GND1 (T23–8) – Body ground	W–B – Body ground	Ground	Always	Below 1 Ω
TX+ (T24–29) – GND (T23–8)	B*1, LG*2 – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX– (T24–30) – GND (T23–8)	W*1, L*2 – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V

*1: LHD
*2: RHD

8. GATEWAY ECU:



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
GTX+ (G1–6) – GND (G1–24)	B*1, G*2 – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
GTX– (G1–21) – GND (G1–24)	W*1, R*2 – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
GND (G1–24) – Body ground	W–B – Body ground	Ground	Always	Below 1 Ω

*1: LHD

*2: RHD