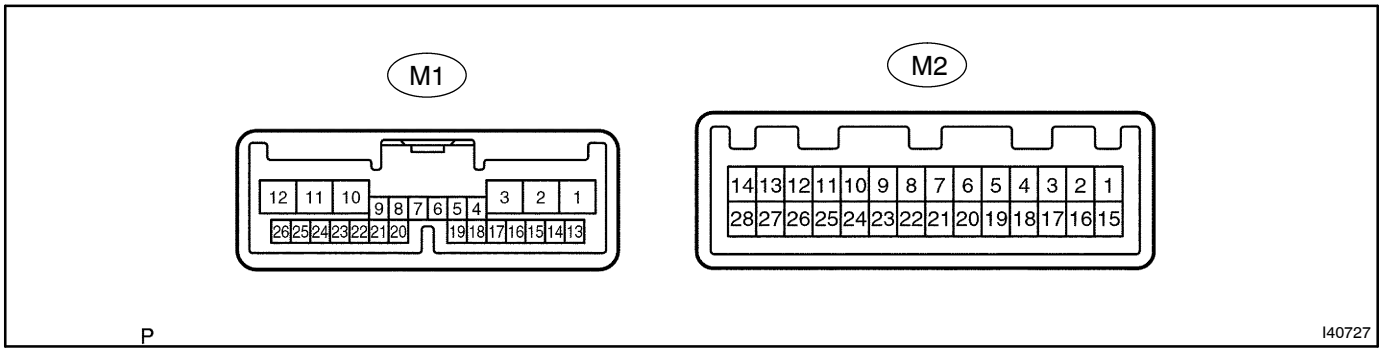
05JTX–01

TERMINALS OF ECU

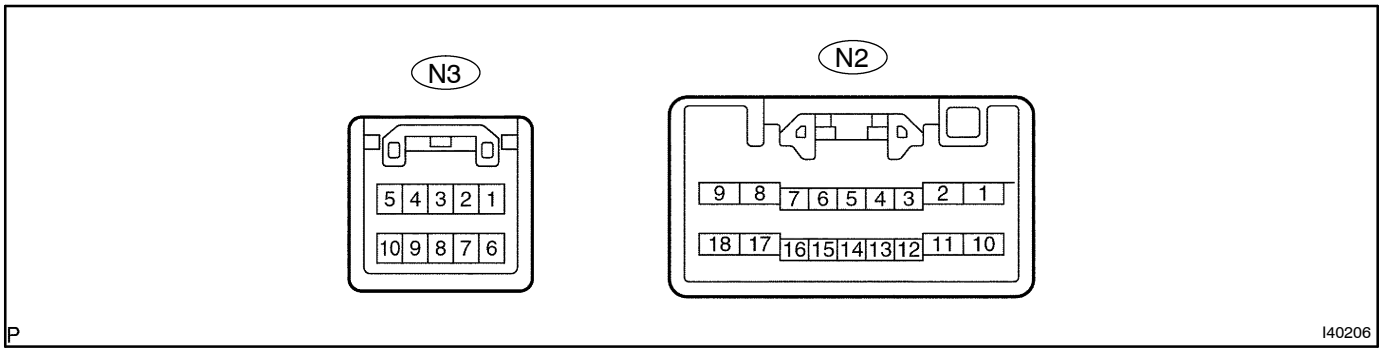
1. MULTI–DISPLAY ASSY:



Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specification
ILL+ (M1–1) – GND1 (M1–3)	G – W–B	Illumination (rheostat) signal	Turn light control switch OFF → TAIL or HEAD	Below 1 V → 10 to 14 V
ILL– (M1–2) – Body ground	B – Body ground	Illumination (rheostat) signal	Turn light control switch OFF → TAIL or HEAD	10 to 14 V → Below 1 V
GND1 (M1–3) – Body ground	W–B – Body ground	Ground	Always	Below 1 V
TX1+ (M1–4) – GND1 (M1–3)	SB – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX1– (M1–5) – GND1 (M1–3)	BR – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TC (M1–7) – GND1 (M1–3)	O – W–B	Diagnosis ON signal	Turn ignition switch OFF and connect terminals TC and GND1 of check connector	Below 1 Ω
IG (M1–10) – GND1 (M1–3)	O – W–B	Ignition (ON)	Turn ignition switch OFF → ON	Below 1 V → 10 to 14 V
ACC (M1–11) – GND1 (M1–3)	BR – W–B	Accessory (ON)	Turn ignition switch OFF → ACC or ON	Below 1 V → 10 to 14 V
B1 (M1–12) – GND1 (M1–3)	V – W–B	Battery	Always	10 to 14 V
PKB (M1–16) – GND1 (M1–3)	Y – W–B	Parking brake signal	Turn parking brake switch ON → OFF	Below 1 V → 10 to 14 V
SPD (M1–25) – GND1 (M1–3)	W – W–B	Speed signal from combination meter	See ”vehicle signal check mode”	–
TX3+ (M2–11) –GND1 (M1–3)	BR – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX3– (M2–12) – GND1 (M1–3)	L – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX+ (M2–13) – GND1 (M1–3)	LG – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX– (M2–14) – GND1 (M1–3)	O – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
VR (M2–23) – GND1 (M1–3)	B – W–B	Video return signal	Turn ignition switch OFF	Below 1 V
R (M2–24) – GND1 (M1–3)	W – W–B	Display signal (red)	Navigation display is on	–
G (M2–25) – GND1 (M1–3)	R – W–B	Display signal (green)	Navigation display is on	–
B (M2–26) – GND1 (M1–3)	G – W–B	Display signal (blue)	Navigation display is on	–

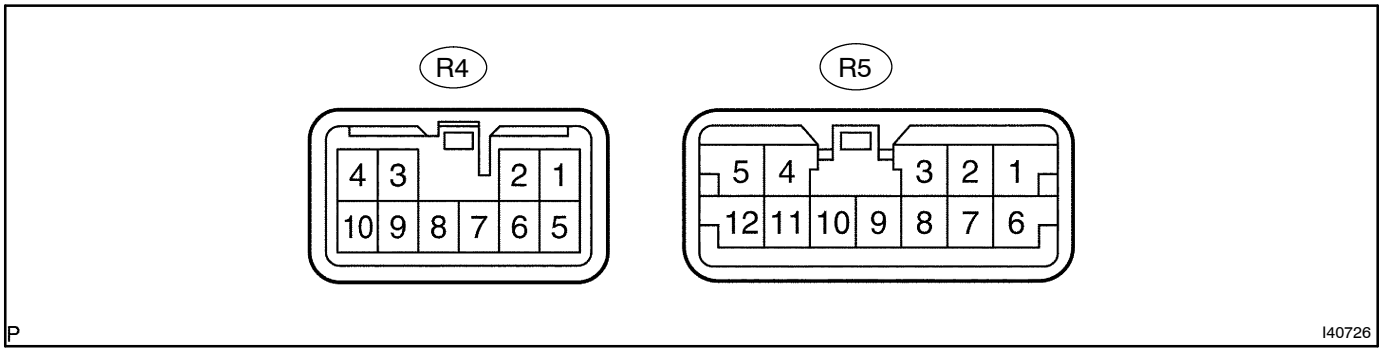
SYNC (M2–27) – GND1 (M1–3)	Y – W–B	Display signal (synchronize)	Navigation display is on	–
VG (M2–28) – Body ground	Shielded – Body ground	Shielded ground	Always	Below 1 V

2. NAVIGATION ECU:



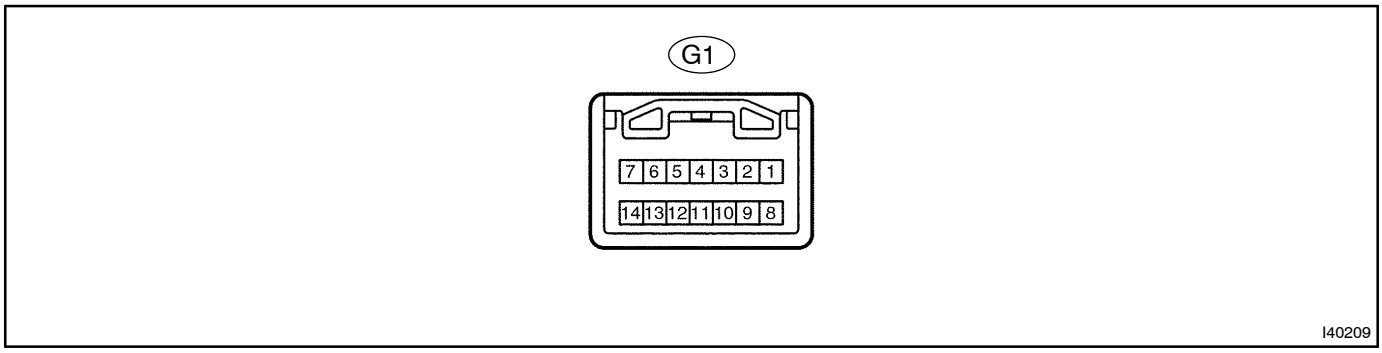
Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specification
AUI+ (N2–1) – GND1 (N2–17)	LG – W–B	Sound signal (input)	Audio system is playing	–
AUO+ (N2–2) – GND1 (N2–17)	G – W–B	Sound signal (output)	Audio system is playing	–
SPD (N2–5) – GND1 (N2–17)	O – W–B	Speed signal from combination meter	See "Vehicle Signal Check Mode" (see page 05–865)	–
+B (N2–9) – GND1 (N2–17)	W – W–B	Battery	Always	10 to 14 V
AUI– (N2–10) – GND1 (N2–17)	L – W–B	Sound signal (input)	Audio system is playing	–
AUO– (N2–11) – GND1 (N2–17)	B – W–B	Sound signal (output)	Audio system is playing	–
REV (N2–14) – GND1 (N2–17)	Y – W–B	Reverse signal from park/neutral position switch	Park/neutral position switch is "R" position	10 to 14 V
GND1 (N2–17) – Body ground	W–B – Body ground	Ground	Always	Below 1 V
ACC (N2–18) – GND1 (N2–17)	GR – W–B	Accessory (ON)	Turn ignition switch OFF → ACC or ON	Below 1 V → 10 to 14 V
VR (N3–1) – GND1 (N2–17)	B – W–B	Video return signal	Turn ignition switch OFF	Below 1 V
R (N3–2) – GND1 (N2–17)	W – W–B	Display signal (red)	Navigation display is on	–
B (N3–3) – GND1 (N2–17)	G – W–B	Display signal (blue)	Navigation display is on	–
TX+ (N3–5) – GND1 (N2–17)	SB – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
VG (N3–6) – Body ground	Shielded – Body ground	Shielded ground	Always	Below 1 V
G (N3–7) – GND1 (N2–17)	R – W–B	Display signal (green)	Navigation display is on	–
SYNC (N3–8) – GND1 (N2–17)	Y – W–B	Display signal (synchronize)	Navigation display is on	–
TX– (N3–10) – GND1 (N2–17)	BR – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V

3. RADIO RECEIVER ASSY:



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
ACC+B (R4–3) – GND (R4–7)	GR – BR	Accessory (ON)	Turn ignition switch OFF → ACC or ON	Below 1 V → 10 to 14 V
BU+B (R4–4) – GND (R4–7)	L–B – BR	Battery	Always	10 to 14 V
GND (R4–7) – Body ground	BR – Body ground	Ground	Always	Below 1 V
TX– (R5–9) – GND (R4–7)	O – BR	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX+ (R5–10) – GND (R4–7)	LG – BR	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V

4. GATEWAY ECU



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
IG (G1–2) – GND (G1–14)	B – W–B	Ignition (ON)	Turn ignition switch OFF → ON	Below 1 V → 10 to 14 V
GTX+ (G1–5) – GND (G1–14)	BR – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
CG (G1–7) – Body ground	W–B – Body ground	Ground	Always	Below 1 V
BATT (G1–8) – GND (G1–14)	LG – W–B	Battery	Always	10 to 14 V
ACC (G1–9) – GND (G1–14)	SB – W–B	Accessory (ON)	Turn ignition switch OFF → ACC or ON	Below 1 V → 10 to 14 V
GTX– (G1–12) – GND (G1–14)	L – W–B	AVC–LAN communication signal	Turn ignition switch to ACC	2 to 3 V
GND (G1–14) – Body ground	W–B – Body ground	Ground	Always	Below 1 Ω