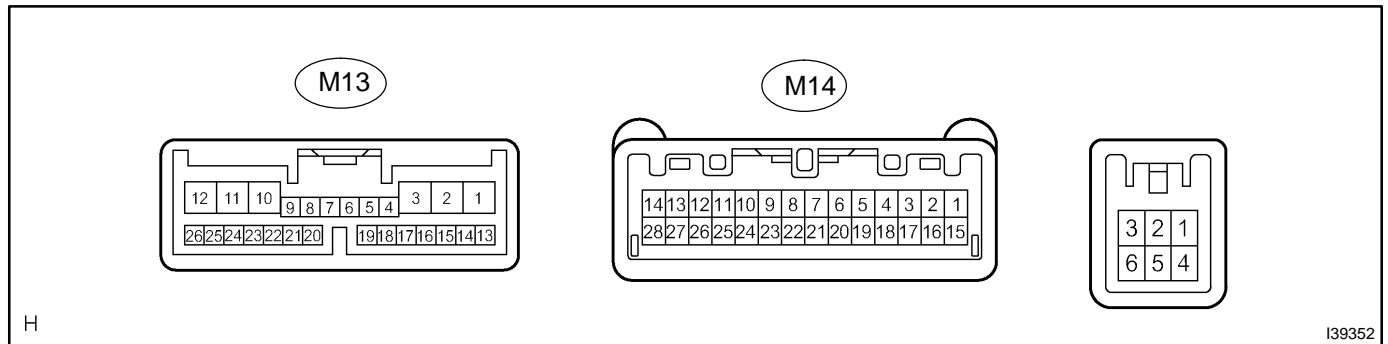


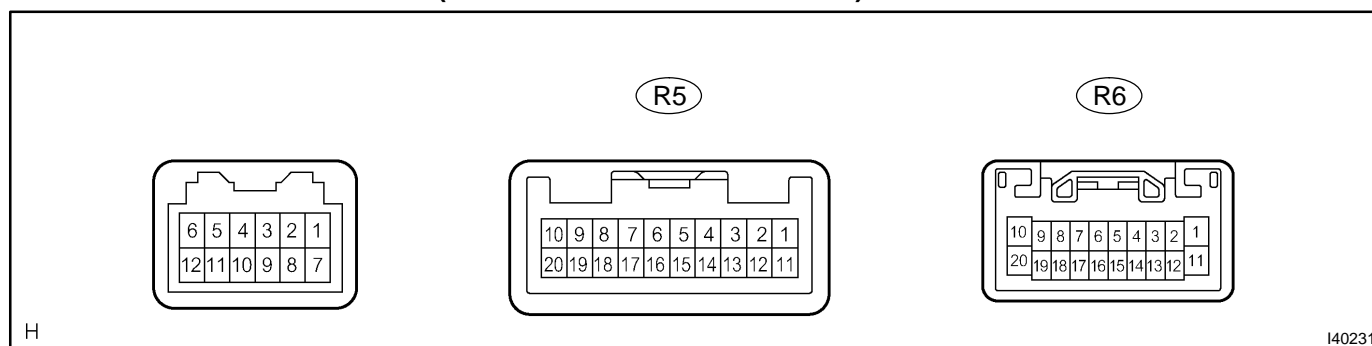
TERMINALS OF ECU

1. MULTI-DISPLAY



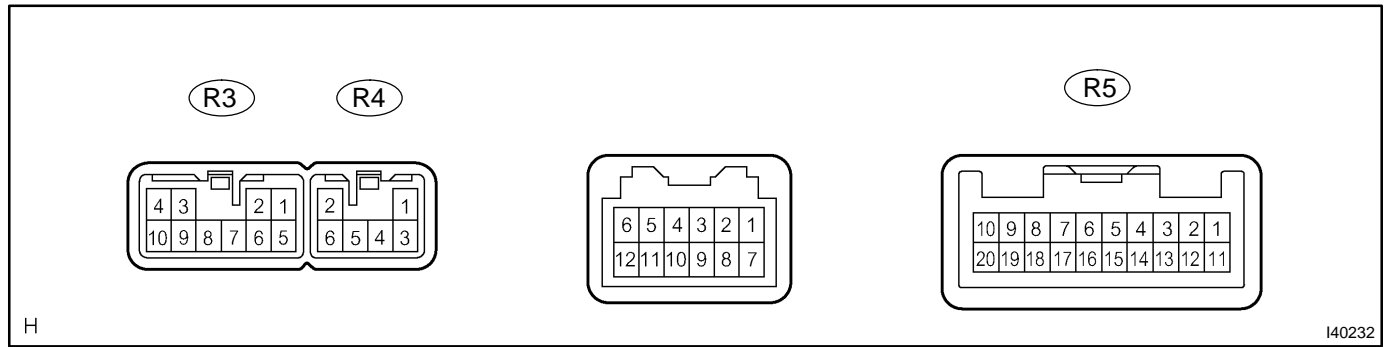
Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
ILL+ (M13-1) – GND1 (M13-3)	G – BR	Illumination (rheostat) signal	Power switch OFF → ON (IG)	Below 1 V → 10 to 14 V
ILL- (M13-2) – Body ground	W-B – Body ground	Illumination (rheostat) signal	Power switch OFF → ON (IG)	Below 1 V → 10 to 14 V
GND1 (M13-3) – Body ground	BR – Body ground	Ground	Always	Below 1 Ω
TX1+ (M13-4) – GND1 (M13-3)	B – BR	AVC-LAN communication signal	See "system check mode" → Power switch ON (ACC)	– → 2 to 3 V
TX1- (M13-5) – GND1 (M13-3)	W – BR	AVC-LAN communication signal	See "system check mode" → Power switch ON (ACC)	– → 2 to 3 V
TC (M13-7) – GND1 (M13-3)	P – BR	Diagnosis ON signal	Power switch OFF → ON (IG)	Below 1 V → 10 to 14 V
IG (M13-10) – GND1 (M13-3)	B – BR	Power switch IG	Power switch OFF → ON (IG)	Below 1 V → 10 to 14 V
ACC (M13-11) – GND1 (M13-3)	GR – BR	Power switch ACC	Power switch OFF → ON (ACC)	Below 1 V → 10 to 14 V
+B1 (M13-12) – GND1 (M13-3)	Y – BR	Battery	Always	10 to 14 V
PKB (M13-16) – GND1 (M13-3)	R – BR	Parking brake signal	Turn parking brake switch ON → OFF	Below 1 V → 10 to 14 V
DR (M13-17) – GND1 (M13-3)	B – BR	Dimmer signal	Light control switch OFF → TAIL or HEAD	Below 1 V → 10 to 14 V
TX2+ (M13-18) – GND1 (M13-3)	P – BR	AVC-LAN communication signal	See "system check mode" → Power switch ON (ACC)	– → 2 to 3 V
TX2- (M13-19) – GND1 (M13-3)	W – BR	AVC-LAN communication signal	See "system check mode" → Power switch ON (ACC)	– → 2 to 3 V
SPD (M13-25) – GND1 (M13-3)	V – BR	Speed signal from combination meter	See "vehicle signal check mode"	–

2. RADIO RECEIVER ASSY (SEPARATE TYPE AMPLIFIER)



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
GND (R5-6) – Body ground	R – Body ground	Steering pad switch ground	Always	Below 1 Ω
SW1 (R5-7) – GND (R6-20)	B – BR	Steering pad switch signal	Steering pad switch not operating. → SEEK+ switch push → SEEK- switch push → VOL+ switch push → VOL- switch push	4 V or more → Approx. 0.5 V → Approx. 0.9 V → Approx. 2.0 V → Approx. 3.4 V
SW2 (R5-8) – GND (R6-20)	W – BR	Steering pad switch signal	Steering pad switch not operating. → MODE switch push	4 V or more → Below 2.5 V
TX+ (R5-9) – GND (R6-20)	P – BR	AVC-LAN communication signal	See "system check mode" → Power switch ON (ACC)	→ 2 to 3 V
TX- (R5-10) – GND (R6-20)	W – BR	AVC-LAN communication signal	See "system check mode" → Power switch ON (ACC)	→ 2 to 3 V
B (R6-1) – GND (R6-20)	SB – BR	Battery	Always	10 to 14 V
ILL+ (R6-2) – GND (R6-20)	G – BR	Illumination (rheostat) signal	Power switch OFF → ON (IG) Light control switch TAIL or HEAD	Below 1 V → 10 to 14 V
TX+ (R6-5) – GND (R6-20)	P – BR	AVC-LAN communication signal	See "system check mode" → Power switch ON (ACC)	→ 2 to 3 V
MUTE (R6-7) – GND (R6-5)	W – BR	Mute signal	Audio system is playing → Changing	Above 3.5 V → Below 1 V
R+ (R6-8) – GND (R6-5)	R – BR	Sound signal (Right)	Audio system is playing	A waveform synchronized with sounds is output
L+ (R6-9) – GND (R6-5)	W – BR	Sound signal (Left)	Audio system is playing	A waveform synchronized with sounds is output
SLD (R6-10) – Body ground	Shield – Body ground	Shielded ground	Always	Below 1 Ω
ACC (R6-11) – GND (R6-20)	GR – BR	Power switch ACC	Power switch OFF → ON (ACC)	Below 1 V → 10 to 14 V
ILL- (R6-12) – Body ground	W-B – Body ground	Illumination (rheostat) signal	Power switch OFF → ON (IG) Light control switch TAIL or HEAD	Below 1 V → 10 to 14 V
ANT+ (R6-13) – GND (R6-20)	O – BR	Power source of antenna	Radio power switch ON and AM or FM	10 to 14 V
TX- (R6-15) – GND (R6-20)	O – BR	AVC-LAN communication signal	See "system check mode" → Power switch ON (ACC)	→ 2 to 3 V
R- (R6-18) – GND (R6-20)	G – BR	Sound signal (Right)	Audio system is playing	A waveform synchronized with sounds is output
L (R6-19) – GND (R6-20)	B – BR	Sound signal (Left)	Audio system is playing	A waveform synchronized with sounds is output
GND (R6-20) – Body ground	BR – Body ground	Ground	Always	Below 1 Ω

3. RADIO RECEIVER ASSY (BUILT-IN TYPE AMPLIFIER)

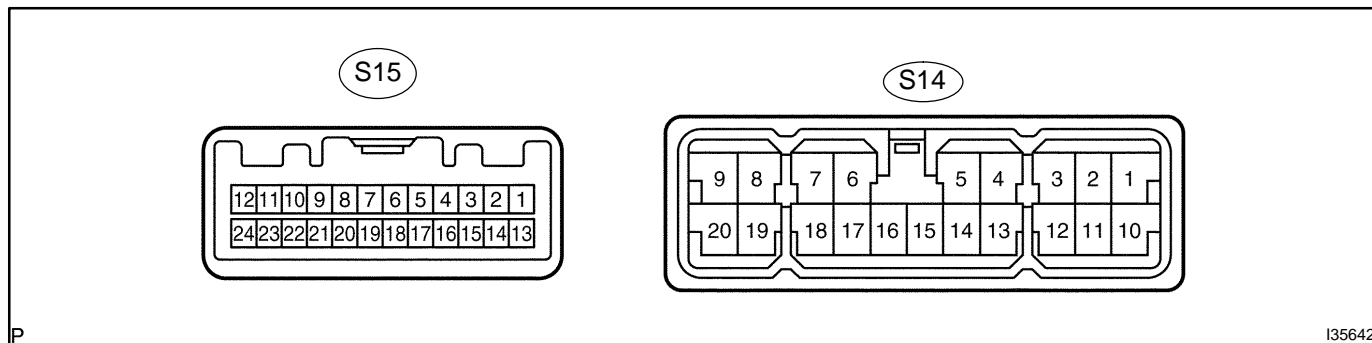


Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
GND (R5-6) – Body ground	R – Body ground	Steering pad switch ground	Always	Below 1 Ω
SW1 (R5-7) – GND (R3-7)	B – BR	Steering pad switch signal	Steering pad switch not operating. → SEEK+ switch push → SEEK- switch push → VOL+ switch push → VOL- switch push	4 V or more → Approx. 0.5 V → Approx. 0.9 V → Approx. 2.0 V → Approx. 3.4 V
SW2 (R5-8) – GND (R3-7)	W – BR	Steering pad switch signal	Steering pad switch not operating. → MODE switch push	4 V or more → Below 2.5V
TX+ (R5-9) – GND (R3-7)	P – BR	AVC-LAN communication signal	See "system check mode" → Power switch ON (ACC)	→ 2 to 3 V
TX- (R5-10) – GND (R3-7)	W – BR	AVC-LAN communication signal	See "system check mode" → Power switch ON (ACC)	→ 2 to 3 V
FR+ (R3-1) – GND (R3-7)	LG – BR	Sound signal (Right)	Audio system is playing	A waveform synchronized with sounds is output
FL+ (R3-2) – GND (R3-7)	P – BR	Sound signal (Left)	Audio system is playing	A waveform synchronized with sounds is output
ACC (R3-3) – GND (R3-7)	GR – BR	Power switch ACC	Power switch OFF → ON (ACC)	Below 1 V → 10 to 14 V
+B (R3-4) – GND (R3-7)	SB – BR	Battery	Always	10 to 14 V
FR- (R3-5) – GND (R3-7)	L – BR	Sound signal (Right)	Audio system is playing	A waveform synchronized with sounds is output
FL- (R3-6) – GND (R3-7)	V – BR	Sound signal (Left)	Audio system is playing	A waveform synchronized with sounds is output
GND (R3-7) – Body ground	BR – Body ground	Ground	Always	Below 1 Ω
ANT+ (R3-8) – GND (R3-7)	O – BR	Power source of antenna	Radio power switch ON and AM or FM	10 to 14 V
ILL+ (R3-10) – GND (R3-7)	G – BR	Illumination (rheostat) signal	Power switch OFF → ON (IG) Light control switch TAIL or HEAD	Below 1 V → 10 to 14 V
RR+ (R4-1) – GND (R3-7)	R – BR	Sound signal (Right)	Audio system is playing	A waveform synchronized with sounds is output
RL+ (R4-2) – GND (R3-7)	B – BR	Sound signal (Left)	Audio system is playing	A waveform synchronized with sounds is output
RR- (R4-3) – GND (R3-7)	W – BR	Sound signal (Right)	Audio system is playing	A waveform synchronized with sounds is output

DIAGNOSTICS - AUDIO SYSTEM

ILL- (R4-5) - Body ground	W-B - Body ground	Illumination (rheostat) signal	Power switch OFF → ON (IG) Light control switch TAIL or HEAD	Below 1 V → 10 to 14 V
RL- (R4-6) - GND (R3-7)	Y - BR	Sound signal (Left)	Audio system is playing	A waveform synchronized with sounds is output

4. STEREO COMPONENT AMPLIFIER ASSY



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Terminal No. (Symbols)	Wiring Color	Terminal Description	Condition	Specification
+B (S14-1) - GND (S14-16)	SB - W-B	Battery	Always	10 to 14 V
CTR+ (S14-3) - GND (S14-16)	R - W-B	Sound signal (Center)	Audio system is playing	A waveform synchronized with sounds is output
RL+ (S14-4) - GND (S14-16)	B - W-B	Sound signal (Left)	Audio system is playing	A waveform synchronized with sounds is output
RR+ (S14-5) - GND (S14-16)	R - W-B	Sound signal (Right)	Audio system is playing	A waveform synchronized with sounds is output
FL+ (S14-6) - GND (S14-16)	P - W-B	Sound signal (Left)	Audio system is playing	A waveform synchronized with sounds is output
FR+ (S14-7) - GND (S14-16)	LG - W-B	Sound signal (Right)	Audio system is playing	A waveform synchronized with sounds is output
WF2+ (S14-8) - GND (S14-16)	P - W-B	Sound signal (Left)	Audio system is playing	A waveform synchronized with sounds is output
WF1+ (S14-9) - GND (S14-16)	LG - W-B	Sound signal (Right)	Audio system is playing	A waveform synchronized with sounds is output
+B2 (S14-10) - GND (S14-16)	SB - W-B	Battery	Always	10 to 14 V
CTR- (S14-12) - GND (S14-16)	W - W-B	Sound signal (Center)	Audio system is playing	A waveform synchronized with sounds is output
RL- (S14-13) - GND (S14-16)	Y - W-B	Sound signal (Left)	Audio system is playing	A waveform synchronized with sounds is output
RR- (S14-14) - GND (S14-16)	W - W-B	Sound signal (Right)	Audio system is playing	A waveform synchronized with sounds is output
GND2 (S14-15) - Body ground	W-B - Body ground	Ground	Always	Below 1 Ω
GND (S14-16) - Body ground	W-B - Body ground	Ground	Always	Below 1 Ω
FL- (S14-17) - GND (S14-16)	V - W-B	Sound signal (Left)	Audio system is playing	A waveform synchronized with sounds is output

FR- (S14-18) – GND (S14-16)	L – W-B	Sound signal (Right)	Audio system is playing	A waveform synchronized with sounds is output
WF2- (S14-19) – GND (S14-16)	V – W-B	Sound signal (Left)	Audio system is playing	A waveform synchronized with sounds is output
WF1- (S14-20) – GND (S14-16)	L – W-B	Sound signal (Right)	Audio system is playing	A waveform synchronized with sounds is output
MUTE (S15-1) – GND (S14-16)	W – W-B	Mute signal	Audio system is playing → Changing	Above 3.5 V → Below 1 V
L- (S15-2) – GND (S14-16)	B – W-B	Sound signal (Left)	Audio system is playing	A waveform synchronized with sounds is output
L+ (S15-3) – GND (S14-16)	W – W-B	Sound signal (Left)	Audio system is playing	A waveform synchronized with sounds is output
R- (S15-4) – GND (S14-16)	G – W-B	Sound signal (Right)	Audio system is playing	A waveform synchronized with sounds is output
R+ (S15-5) – GND (S14-16)	R – W-B	Sound signal (Right)	Audio system is playing	A waveform synchronized with sounds is output
SLD (S15-6) – Body ground	Shield – Body ground	Shielded ground	Always	Below 1 Ω
TX- (S15-7) – GND (S14-16)	O – W-B	AVC-LAN communication signal	See "system check mode" → Power switch ON (IG)	– → 2 to 3 V
TX+ (S15-8) – GND (S14-16)	P – W-B	AVC-LAN communication signal	See "system check mode" → Power switch ON (IG)	– → 2 to 3 V
ACC (S15-12) – GND (S14-16)	GR – W-B	Power switch ACC	Power switch OFF → ON (ACC)	Below 1 V → 10 to 14 V
N-MU (S15-21) – GND (S14-16)	W (*1) – W-B	Mute signal	Audio system is playing → Changing	Below 3.5 V → Below 1 V

*1: w/ Navigation system

*2: w/o Navigation system