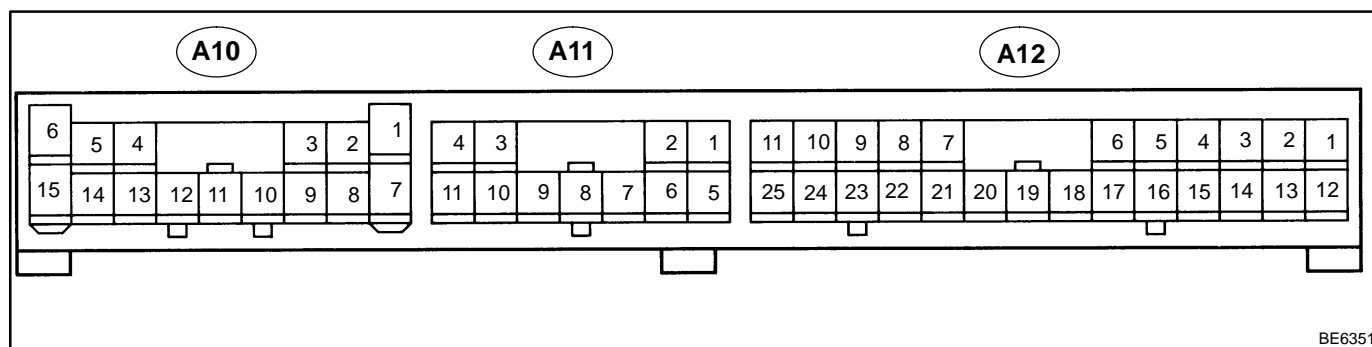


TERMINALS OF ECM



Symbols (Terminals)	Wiring color	Condition	Standard Value
+B ↔ GND (A10-1 ↔ A10-7)	R ↔ W-B	IG OFF	10 – 14 V
MH ↔ MC (A10-2 ↔ A10-3)	V ↔ R-Y	IG OFF	13 – 19 Ω
MFRS ↔ MREC (A10-4 ↔ A10-5)	G ↔ G-R	IG OFF	13 – 19 Ω
IG ↔ GND (A10-6 ↔ A10-7)	R-L ↔ W-B	IG ON	10 – 14 V
GND ↔ Body Ground (A10-7 ↔ Body Ground)	W-B ↔ Body Ground	Always	Below 1Ω
MFACE ↔ MDEF (A10-8 ↔ A10-9)	W ↔ Y-B	IG OFF	13 – 19 Ω
VER (SC400) ↔ Body Ground (A10-11 ↔ Body Ground)	W-B ↔ Body Ground	Always	Below 1Ω
ACC ↔ GND (A10-15 ↔ A10-7)	L-R ↔ W-B	Turn ignition switch ACC	10 – 14 V
REOST ↔ GND (A11-2 ↔ A10-7)	W-G ↔ W-B	IG ON and turn headlight control SW to TAIL position. Turn Rheostat volume from most right to left position.	Most Right: 0 – 1 V → Most Left: 10 – 14 V
WV ↔ GND (A11-3 ↔ A10-7)	R-Y ↔ W-B	Start the engine Temp. Control Switch: MAX COLD	10 – 14 V
		Start the engine Temp. Control Switch: MAX HOT	Below 1 V
MGC ↔ GND (A11-4 ↔ A10-7)	L-R ↔ W-B	Start the engine and push AUTO SW AC switch ON	Below 1 V
		Start the engine and push AUTO SW AC switch OFF	10 – 14 V
TC ↔ GND (A11-5 ↔ A10-7)	L ↔ W-B	IG ON H.L.C. SW: TAIL position Rheostat Volume: Most Right	Below 1 V
		IG ON H.L.C. SW: TAIL position Rheostat Volume: Turn Left	10 – 14 V
TAIL ↔ GND (A11-6 ↔ A10-7)	LG-R ↔ W-B	Turn the light control switch to TAIL position	10 – 14 V
BLW ↔ GND (A11-8 ↔ A10-7)	B-R ↔ W-B	IG ON Turn the blower motor	Below 1.5 V
HR ↔ GND (A11-9 ↔ A10-7)	L-W ↔ W-B	IG ON Turn the blower motor	Below 1 V
		IG ON Don't turn the blower motor	10 – 14 V

RDFGR ↔ GND (A11-10 ↔ A10-7)	Y-R ↔ W-B	IG ON Rear defogger switch ON	Below 1 V
		IG ON Rear defogger switch OFF	10 – 14 V
CFAN ↔ GND (A11-11 ↔ A10-7)	R-L ↔ W-B	IG ON and AUTO SW ON A/C SW ON and MAX COLD	10 – 14 V
		IG ON and AUTO SW ON A/C SW OFF	Below 1 V
IGN ↔ GND (A12-1 ↔ A10-7)	LG ↔ W-B	Start the engine	10 – 14 V
A/C IN ↔ GND (A12-2 ↔ A10-7)	L-O ↔ W-B	Operate the compressor	10 – 14 V
		Not operate the compressor	Below 1 V
LOCK IN ↔ GND (A12-3 ↔ A10-7)	G-Y ↔ W-B	IG OFF at 25°C (77°F)	530 – 650 Ω
		IG OFF at 100°C (212°F)	670 – 890 Ω
SAUTO ↔ GND (A12-4 ↔ A10-7)	V-W ↔ W-B	IG ON AUTO switch ON	Below 1 V
		IG ON AUTO switch OFF	10 – 14 V
LP ↔ GND (A12-5 ↔ A10-7)	L-B ↔ W-B	IG ON	Below 1 V
TR ↔ SG (A12-7 ↔ A12-20)	Y-B ↔ BR	IG ON Cabin temp.: 25°C (77°F)	1.8 – 2.2 V
		IG ON Cabin temp.: 40°C (104°F)	1.2 – 1.6 V
TAM ↔ SG (A12-8 ↔ A12-20)	P ↔ BR	IG ON Ambient temp.: 25°C (77°F)	1.35 – 1.75 V
		IG ON Ambient temp.: 40°C (104°F)	0.85 – 1.25 V
TE ↔ SG (A12-9 ↔ A12-20)	L-Y ↔ BR	IG ON Evaporator ambient temp.: 0°C (32°F)	2.0 – 2.4 V
		IG ON Evaporator ambient temp.: 15°C (59°F)	1.4 – 1.8 V
TW ↔ SG (A12-10 ↔ A12-20)	LG-R ↔ BR	IG ON Engine coolant temp.: 0°C (32°F)	2.8 – 3.2 V
		IG ON Engine coolant temp.: 40°C (104°F)	1.8 – 2.2 V
		IG ON Engine coolant temp.: 70°C (158°F)	0.9 – 1.3 V
ST+ ↔ SG (A12-11 ↔ A12-20)	Y-G ↔ BR	IG ON Sensor subjected to electric light	1 V or more
		IG ON Sensor covered by a cloth	Below 1 V

DIAGNOSTICS – AIR CONDITIONING SYSTEM

SET1 ↔ SG (A12-12 ↔ A12-20)	V ↔ BR	IG ON Turn temp. control SW from most left to right position	Change 5 V and 0 V 11 times (15 times)*
SET2 ↔ SG (A12-13 ↔ A12-20)	G-O ↔ BR		Change 5 V and 0 V 5 times (8 times)*
SET3 ↔ SG (A12-14 ↔ A12-20)	Y ↔ BR		Change 5 V and 0 V 2 times (4 times)*
SET4 ↔ SG (A12-15 ↔ A12-20)	B-R ↔ BR		Change 5 V and 0 V 2 times
SET5 ↔ SG (A12-16 ↔ A12-20)	B-Y ↔ BR		Change 5 V and 0 V Once
S5 ↔ SG (A12-18 ↔ A12-20)	BR-W ↔ BR	IG ON	4 – 6 V
SG ↔ Body Ground (A12-20 ↔ Body Ground)	BR ↔ Body Ground	Always	Below 1Ω
TP ↔ SG (A12-22 ↔ A12-20)	G-W ↔ BR	IG ON Set temp.: Max Cool	3.5 – 4.5 V
		IG ON Set temp.: Max Hot	0.5 – 1.8 V
TP1 ↔ SG (A12-23 ↔ A12-20)	GR ↔ BR	IG ON Push REC switch	3.5 – 4.5 V
		IG ON Push FRS switch	0.5 – 1.8 V
TPM ↔ SG (A12-25 ↔ A12-20)	Y-R ↔ BR	IG ON Air outlet: FACE	3.5 – 4.5 V
		IG ON Push Front DEF SW	0.5 – 1.8 V

*: Canada spec only