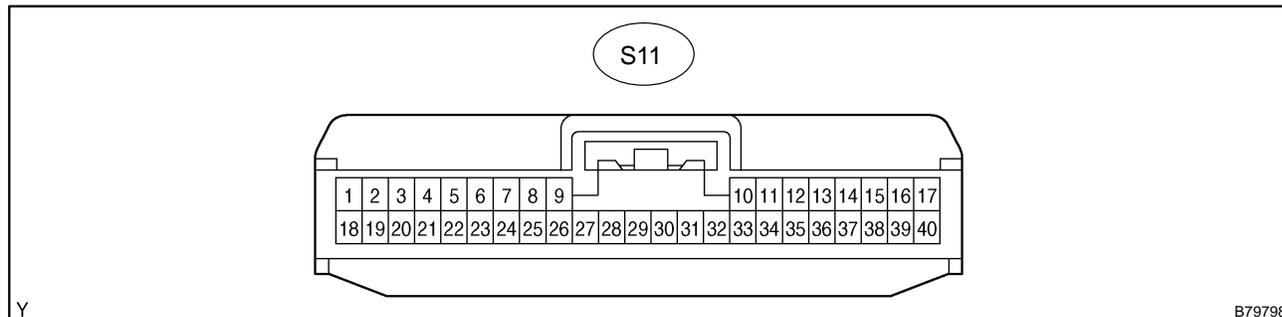


TERMINALS OF ECU

1. CHECK SMART KEY ECU



- (a) Disconnect the S11 ECU connector.
- (b) Measure the resistance and voltage of the wire harness side connector.

Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
+B1 (S11-1) - Body ground	R - Body ground	+B power supply	Always	10 to 14 V
IG (S11-18) - Body ground	B - Body ground	Ignition power supply	Power switch OFF	0 V
IG (S11-18) - Body ground	B - Body ground	Ignition power supply	Power switch ON (IG)	10 to 14 V
E (S11-17) - Body ground	W-B - Body ground	Ground	Always	Below 1 Ω
TSW1 (S11-5) - Body ground	B - Body ground	Outside door handle LH lock switch signal	Lock switch OFF	10 k Ω or higher
TSW1 (S11-5) - Body ground	B - Body ground	Outside door handle LH lock switch signal	Lock switch ON	Below 1 Ω
TSW2 (S11-6) - Body ground	R - Body ground	Outside door handle RH lock switch signal	Lock switch OFF	10 k Ω or higher
TSW2 (S11-6) - Body ground	R - Body ground	Outside door handle RH lock switch signal	Lock switch ON	Below 1 Ω
TSW6 (S11-8) - Body ground	B - Body ground	Back door lock switch sig- nal	Back door lock switch OFF	10 k Ω or higher
TSW6 (S11-8) - Body ground	B - Body ground	Back door lock switch sig- nal	Back door lock switch ON	Below 1 Ω
CNSL (S11-25) - Body ground	W-B - Body ground	Smart entry system cancel switch signal	Smart key cancel switch OFF	10 k Ω or higher
CNSL (S11-25) - Body ground	W-B - Body ground	Smart entry system cancel switch signal	Smart key cancel switch ON	Below 1 Ω

If the result is not as specified, there may be a malfunction on the wire harness side.

- (c) Reconnect the S11 ECU connector.
 (d) Measure the voltage and frequency of the connector.

Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
CLG1 (S11-13) - E (S11-17)	P - W-B	Driver door electrical key oscillator sensor signal	All doors locked by wireless operation from outside vehicle and power switch OFF	Some Hz
CLG1 (S11-13) - E (S11-17)	P - W-B	Driver door electrical key oscillator sensor signal	All doors locked by wireless operation from outside vehicle and power switch ON (IG)	0 Hz
CLG2 (S11-14) - E (S11-17)	R - W-B	Passenger door electrical key oscillator sensor signal	All doors locked by wireless operation from outside vehicle and power switch OFF	Some Hz
CLG2 (S11-14) - E (S11-17)	R - W-B	Passenger door electrical key oscillator sensor signal	All doors locked by wireless operation from outside vehicle and power switch ON (IG)	0 Hz
CLG5 (S11-36) - E (S11-17)	G - W-B	Indoor electrical key oscillator sensor signal	30 seconds after driver side door opened and closed, power switch OFF	Some Hz
CLG5 (S11-36) - E (S11-17)	G - W-B	Indoor electrical key oscillator sensor signal	30 seconds after driver side door opened and closed, power switch ON (IG)	0 Hz
CLG7 (S11-38) - E (S11-17)	BR - W-B	Luggage electrical key oscillator inner sensor signal	30 seconds after driver side door opened and closed, power switch OFF	Some Hz
CLG7 (S11-38) - E (S11-17)	BR - W-B	Luggage electrical key oscillator inner sensor signal	30 seconds after driver side door opened and closed, power switch ON (IG)	0 Hz
CLG8 (S11-39) - E (S11-17)	O - W-B	Luggage electrical key oscillator outer sensor signal	Back door opener switch OFF	Some Hz
CLG8 (S11-39) - E (S11-17)	O - W-B	Luggage electrical key oscillator outer sensor signal	Back door opener switch ON	0 Hz
SEL1 (S11-23) - E (S11-17)	Y - W-B	Driver door electrical key oscillator detection signal	Smart key at least 3 m (9.8 ft) away from door	10 to 14 V
SEL1 (S11-23) - E (S11-17)	Y - W-B	Driver door electrical key oscillator detection signal	Near outside door handle LH	0 V
SEL2 (S11-24) - E (S11-17)	B - W-B	Passenger door electrical key oscillator detection signal	Smart key at least 3 m (9.8 ft) away from door	10 to 14 V
SEL2 (S11-24) - E (S11-17)	B - W-B	Passenger door electrical key oscillator detection signal	Near outside door handle RH	0 V
SEN1 (S11-21) - E (S11-17)	R - W-B	Lock switch detection signal	Outside door handle LH touched	10 to 14 V
SEN1 (S11-21) - E (S11-17)	R - W-B	Lock switch detection signal	Outside door handle LH not touched	0 V
SEN2 (S11-22) - E (S11-17)	W - W-B	Lock switch detection signal	Outside door handle RH touched	10 to 14 V
SEN2 (S11-22) - E (S11-17)	W - W-B	Lock switch detection signal	Outside door handle RH not touched	0 V

DIAGNOSTICS - SMART ENTRY SYSTEM

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
RDA3 (S11-29) - E (S11-17)	L - W-B	Door control receiver input signal	With power switch OFF, no smart key and all doors closed, smart key switch OFF	Below 1 V
RDA3 (S11-29) - E (S11-17)	L - W-B	Door control receiver input signal	With power switch OFF, no smart key and all doors closed, smart key switch ON	Approx. 6 to 7 V
PRG (S11-28) - E (S11-17)	B - W-B	Door control receiver output signal	With power switch OFF, no smart key and all doors closed, smart key switch OFF	Below 1 V
PRG (S11-28) - E (S11-17)	B - W-B	Door control receiver output signal	With power switch OFF, no smart key and all doors closed, smart key switch ON	Approx. 6 to 7 V
RCO (S11-12) - E (S11-17)	L - W-B	Power source	With power switch OFF, no smart key and doors closed, smart key switch OFF	0 to 5 V
RCO (S11-12) - E (S11-17)	L - W-B	Power source	With power switch OFF, no smart key and doors closed, smart key switch ON	5 V
RSSI (S11-11) - E (S11-17)	V - W-B	Door control receiver output signal	Power switch OFF, all doors closed and smart key switch OFF	0 to 5 V
RSSI (S11-11) - E (S11-17)	V - W-B	Door control receiver output signal	Power switch OFF, all doors closed and smart key switch ON	Below 1 V
RDA (S11-10) - E (S11-17)	GR - W-B	Door control receiver input signal	With power switch OFF, no smart key and all doors closed, smart key switch OFF	Below 1 V
RDA (S11-10) - E (S11-17)	GR - W-B	Door control receiver input signal	With power switch OFF, no smart key and all doors closed, smart key switch ON	Approx. 6 to 7 V
KSW (S11-4) - E (S11-17)	Y - W-B	Halfway switch input signal	No key in key slot	10 to 14 V
KSW (S11-4) - E (S11-17)	Y - W-B	Halfway switch input signal	Key inserted	0 V

If the result is not as specified, the ECU may have a malfunction.

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