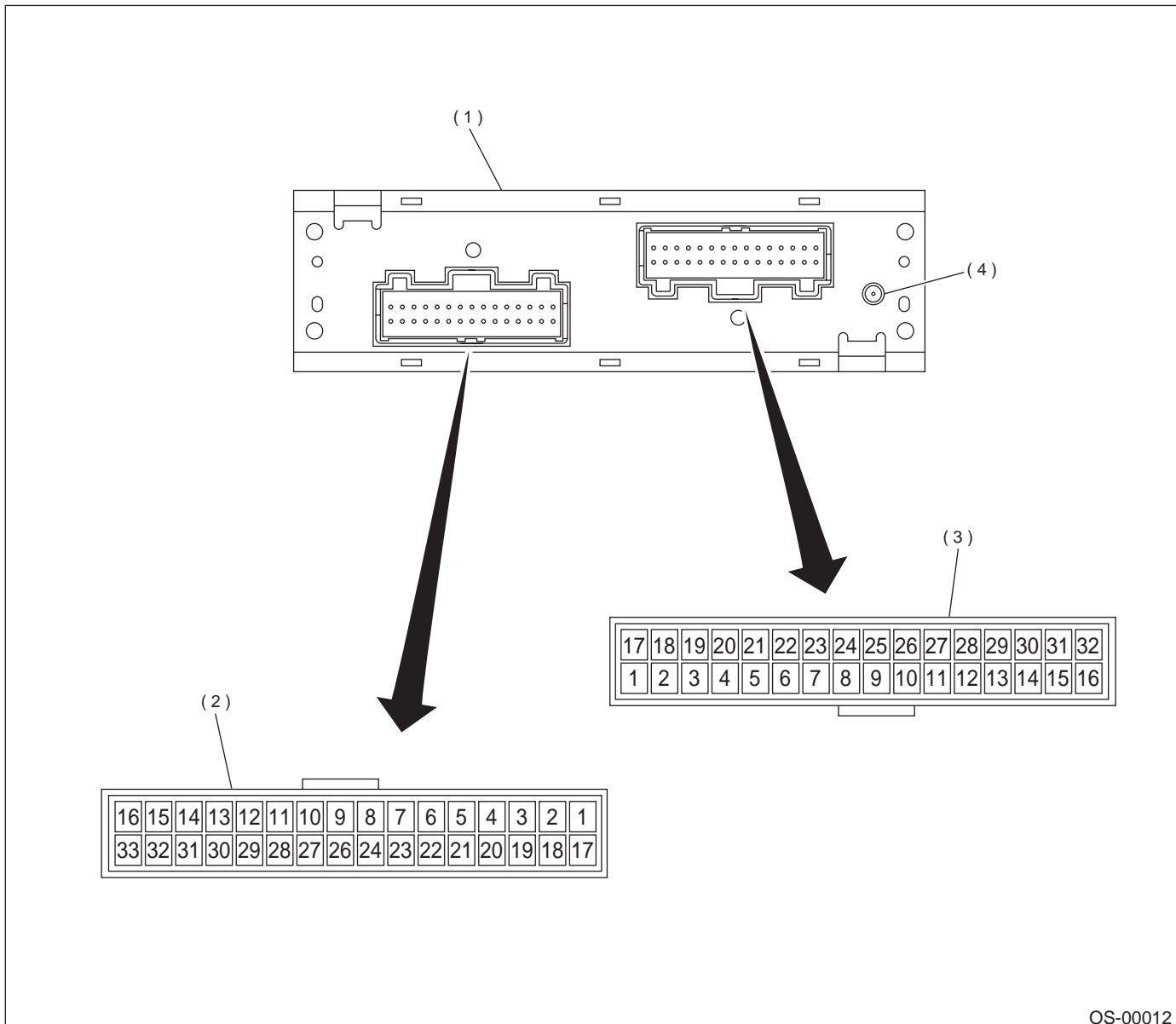


CONTROL MODULE I/O SIGNAL

OnStar (R) (Diagnostics)

4. Control Module I/O Signal

A: ELECTRICAL SPECIFICATION



(1) VIU

(2) Connect to i73 (Blue) connector

(3) Connect to i72 (Red) connector

(4) GPS antenna connector

CONTROL MODULE I/O SIGNAL

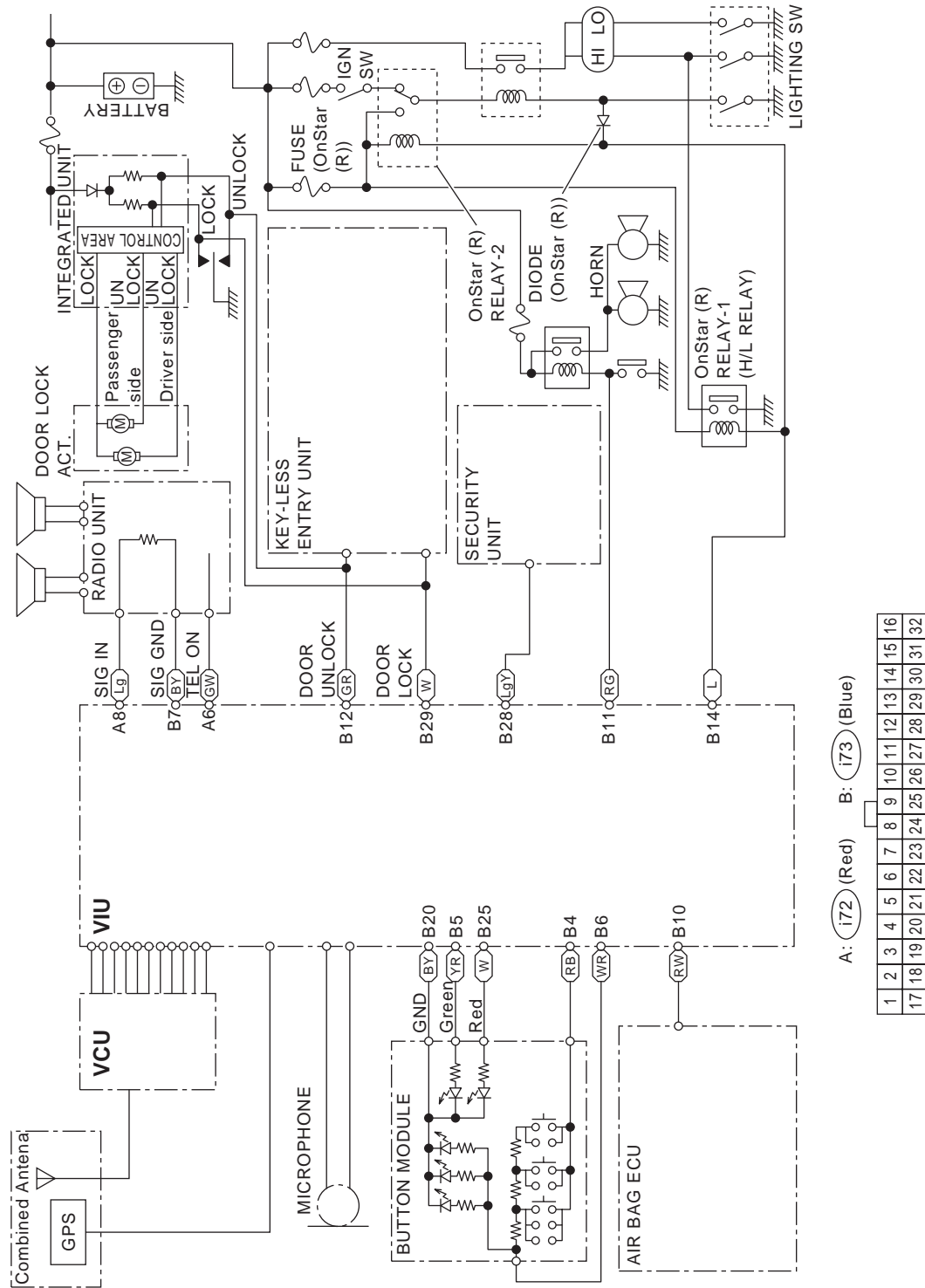
OnStar (R) (Diagnostics)

Contents		Connector No.	Terminal No.	Input/Output signal
Power supply	Power	i73	16	9 — 16 V
	Power	i73	32	9 — 16 V
	GND	i73	1	0 V
	GND	i73	17	0 V
	ACC	i73	27	OnStar (R) activates, when the value is greater than 5.5 V
	IGN	i73	22	OnStar (R) activates, when the value is greater than 5.5 V
VCU I/O	Audio ground	i72	10	0 V
	Audio signal	i72	11	4.5 V when switch is ON
	Audio signal	i72	12	Battery voltage when switch is ON
	Microphone GND	i72	13	0 V when switch is ON
	Microphone input signal	i72	14	Signal
	Power	i72	16	Battery voltage when switch is ON
	3 wire signal data bus	i72	27	Signal
	3 wire signal data bus	i72	28	Signal
Vehicle discrete interface	3 wire signal data bus	i72	29	Signal
	Door unlock signal	i73	13	At actuation of door unlock Battery voltage
	Doorlock signal	i73	14	At actuation of door lock Battery voltage
	Horn signal	i73	11	0V at actuation of horn Battery voltage at no actuation of horn
	Security signal	i73	28	Signal (5 V)
	Headlight signal	i73	14	0V at actuation of headlight Battery voltage at no actuation of headlight
	Low reference of transceiver	i72	30	0 V
User interface	IGN signal	i72	31	Battery voltage when switch is ON
	Mike signal & power supply	i72	25	Signal
	Mike return	i72	26	0 V
	Key pad signal	i73	4	2.14V at pressing emergency button 1.27V at pressing OnStar (R) button 1.27V at pressing call answer/end button
	LED Green	i73	5	3V when LED illuminates
	LED Red	i73	25	2.5V when LED illuminates
	Key pad low reference	i73	20	0 V
Audio output interface	Key pad power supply	i73	6	Battery voltage
	Audio	i72	8	Signal
	Audio GND	i72	8	0 V
	TEL ON signal	i73	7	Battery voltage when switch is ON

CONTROL MODULE I/O SIGNAL

OnStar (R) (Diagnostics)

B: SCHEMATIC



OS-00013