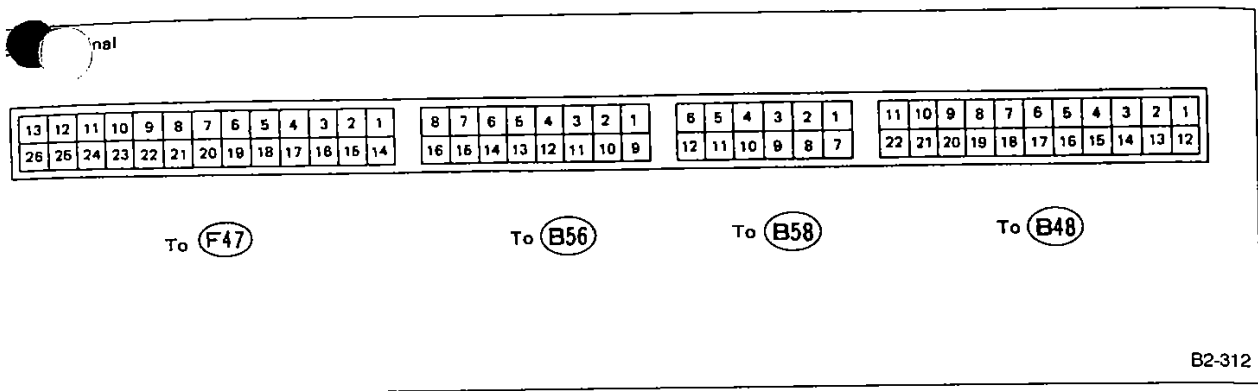


i. Control Unit I/O Signal



B2-312

Fig. 55

Content	Connector No.	Terminal No.	Signal (V)			Note		
			lg SW		Engine ON (Idling)			
			OFF	ON (Engine OFF)				
Crank angle sensor	Non-TURBO	Signal (+)	B56	1	—	0	*	*Sensor output waveform
		Signal (-)	B56	2	—	0	0	
		Shield	B56	3	—	0	0	
	TURBO	Signal (+)	B58	4	—	0	*	*Sensor output waveform
		Signal (-)	B58	5	—	0	0	
		Shield	B58	6	—	0	0	
Cam angle sensor	Non-TURBO	Signal (+)	B58	4	—	0	*	*Sensor output waveform
		Signal (-)	B58	5	—	0	0	
		Shield	B58	6	—	0	0	
	TURBO	Signal (+)	B56	1	—	0	*	*Sensor output waveform
		Signal (-)	B56	2	—	0	0	
		Shield	B56	3	—	0	0	
Air flow sensor	Power supply	B48	8	—	10 - 13	13 - 14	—	
	Signal	B48	9	—	0 - 0.3	0.8 - 1.2	—	
	GND	B48	10	—	0	0	—	
	Shield	B48	11	—	0	0	—	
Throttle sensor	Signal	B58	2	—	Fully closed: 4.7 Fully opened: 1.6	Fully closed: 4.7 Fully opened: 1.6	—	
	Power supply	B58	3	—	5	5	—	
	GND	B58	1	—	0	0	—	
	Shield	B58	7	—	0	0	—	
O ₂ sensor	Non-TURBO	Signal	B48	6	—	(AT) 0.6 (MT) 0	Rich mixture: 0.7 (AT), 1.0 (MT) Lean mixture: 0 (AT), 0.2 (MT)	
		Shield	B48	17	—	0	0	
	TURBO	Signal	B48	6	—	0	Rich mixture: 1.0 Lean mixture: 0.2	
		Shield	B48	17	—	0	0	
Knock sensor	Signal	B56	5	—	3 - 4	3 - 4	—	
	Shield	B56	4	—	0	0	—	
Water temperature sensor	B48	7	0	0.7 - 1.0	0.7 - 1.0	*After warm-up		
Vehicle speed sensor	B58	11	—	0 or 5	0 or 5	"5" and "0" are repeatedly displayed when vehicle is driven.		

FUEL INJECTION SYSTEM

[T600] 2-7

Content		Connector No.	Terminal No.	Signal (V)			Note
				Ig SW		Engine ON (Idling)	
				OFF	ON (Engine OFF)		
Pressure sensor (TURBO only)	Signal	B48	4	—	10 - 13	2.4 ↔ 2.7	—
	Power supply	B48	3	—	5	5	—
	GND	B48	5	—	0	0	—
Idle switch		B56	6	—	ON:0, OFF:4.6	ON:0, OFF:4.6	—
49-state and Canada/ California identification		B56	11	—	—	—	49-state and Canada:12 California:0
Starter switch		B56	10	—	0	0	Cranking: 10 to 14
Air conditioner switch		B56	9	—	ON:10 - 13, OFF:0	ON:13 - 14, OFF:0	—
Ignition switch		B58	12	0	10 - 13	13 - 14	—
Neutral switch		B58	10	—	[AT] N Range: 0 Other: 8, min. [MT] N Position: 8, min. Other: 0	[AT] N Range: 0 Other: 8, min. [MT] N Position: 8, min. Other: 0	—
Parking switch [AT]		B58	9	—	P Range: 0 Other: 8, min.	P Range: 0 Other: 8, min.	—
Test mode connector	Non-TURBO	B56	13	—	[AT] 10 - 13 [MT] 5	[AT] 13 - 14 [MT] 5	[AT] When connected: 0
	TURBO	B56	13	—	5	5	When connected: 0
Read memory connector	Non-TURBO	B56	12	—	[AT] 10 - 13 [MT] 5	[AT] 13 - 14 [MT] 5	[AT] When connected: 0
	TURBO	B56	12	—	5	5	When connected: 0
AT/MT identification	Non-TURBO	B48	20	—	[AT] 0 [MT] 5	[AT] 0 [MT] 5	—
	TURBO	B48	20	—	5	5	—
Back-up power supply		B48	15	10 - 13	10 - 13	13 - 14	—
Control unit power supply		B48	2	0	10 - 13	13 - 14	—
		B48	13	0	10 - 13	13 - 14	—
Ignition control	Non-TURBO	#1, #2	F47	10	—	[AT] 0.01 [MT] 0	—
		#3, #4	F47	9	—	[AT] 0.01 [MT] 0	—
	TURBO	#1, #2	F47	10	—	0	—
		#3, #4	F47	9	—	0	—
Fuel injector		#1	F47	13	10 - 13	10 - 13	13 - 14
		#2	F47	12	10 - 13	10 - 13	13 - 14
		#3	F47	11	10 - 13	10 - 13	13 - 14
		#4	F47	26	10 - 13	10 - 13	13 - 14
By-pass air control solenoid valve	Non-TURBO	OPEN end	F47	2	—	[AT] 7 [MT] 12 → *0	*1 min. after ignition switch ON.
		CLOSE end	F47	1	—	[AT] 6 [MT] 0	—
	TURBO	OPEN end	F47	2	—	0 → *12	*1 min. after ignition switch ON.
		CLOSE end	F47	1	—	12 → *0	—
Fuel pump relay control		F47	23	—	ON: 0 OFF: 10 - 13	0	—
Air conditioner cut relay control		F47	22	—	ON: 0 Off: 10 - 13	ON: 0 OFF: 13 - 14	—
Radiator fan control		F47	17	—	ON: 0 OFF: 10 - 13	ON: 0 OFF: 13 - 14	—
Self-shutoff control		F47	5	—	10 - 13	13 - 14	—
Wastegate control (TURBO only)		F47	3	—	10 - 13	13 - 14	—
CHECK ENGINE light		F47	19	—	—	—	Light "ON": 1, max. Light "OFF": 10 - 14

FUEL INJECTION SYSTEM

Content	Connector No.	Terminal No.	Signal (V)			Note
			Ig SW		Engine ON (Idling)	
			OFF	ON (Engine OFF)		
Pressure exchange solenoid valve (TURBO only)	F47	20	—	ON: 0 OFF: 10 - 13	ON: 0 OFF: 13 - 14	—
Engine tachometer output	B56	16	—	—	—	—
Purge control solenoid valve	F47	6	—	ON: 0 OFF: 10 - 13	ON: 0 OF: 13 - 14	—
Atmospheric pressure sensor (Non-TURBO only)	B48	16	—	—	—	—
GND (sensors)	B48	21	—	0	0	—
GND (injectors)	F47	24	—	0	0	—
	F47	25	—	0	0	—
GND (ignition system)	F47	15	—	0	0	—
GND (power supply)	F47	14	—	0	0	—
GND (control systems)	B48	11	—	0	0	—
	B48	22	—	0	0	—
Select Monitor Signal	B56	8	—	—	—	—
	B56	7	—	—	—	—

:: For manufacture