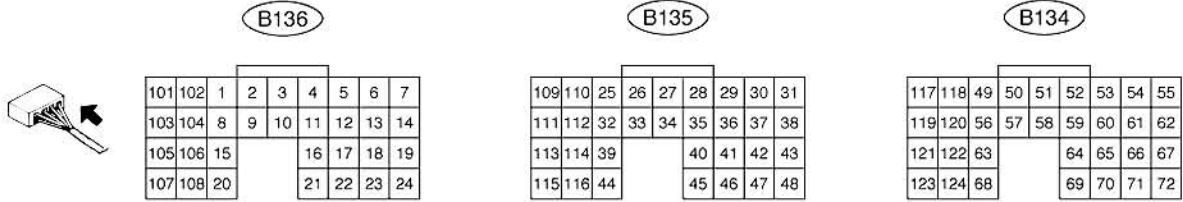


EGI SYSTEM

EGI SYSTEM (2.0 I DOHC vehicles)

<Layout of ECU connector terminals>



Classification	Position to inspect	Measuring terminal		Voltage (V)		Remark	
		Terminal number	Wire color	IG SW ON (E/G stopped)	Idling		
Input	ECU power source	117	YL	10 ~ 13	13 ~ 14		
	Ignition switch	121	GR	10 ~ 13	13 ~ 14		
	Sensor power source	60	RB	5	5		
	Airflow sensor	Signal	55	G	1.0	1.0 ~ 1.7	
		Ground	124	BG	0	0	
	O ₂ sensor	65	W	Less than 0.7	Varies between 0.01 ~ 0.9		
	Crank angle sensor	+	50	W	0	Crank angle sensor waveform	Inspection using an oscilloscope
		Ground	63	LgB	0	0	Used in common with cam angle sensor
	Cam angle sensor (+)	51	R	0	Cam angle sensor waveform	Inspection using an oscilloscope	
	Water temperature sensor	70	BrW	0.6 ~ 4.5	0.6 (90 °C)		
	Knock sensor	72	W	2.5	2.5		
	Throttle sensor	66	LgY	Fully closed: 0.5 Fully opened: 4.3	0.5		
	Absolute pressure sensor	49	YW	2.3 ~ 2.7	1.4 ~ 1.6		
	Differential pressure sensor	62	LG	2	2		
	Vehicle speed sensor	48	GB	0 or 5	0 or 5		
	Air conditioning switch	37	PW	OFF: 0 ON: 10 ~ 13	OFF: 0 ON: 13 ~ 14		
	Starter switch	30	WG	0	0		
	Neutral switch	45	WB	N: 5, other than N: 0	N: 5, other than N: 0	When cranking 9 ~ 12	
	Power steering switch	31	PB	ON: 0 OFF: 5	ON: 0 OFF: 5	(Reverse polarity for MT-AT)	
	Torque down 1	29	P	5	5		
	Torque down 2	36	WR	↑	↑	AT vehicles only	
	Small light switch	41	BW	ON: 0 OFF: 0 ~ 13	ON: 0 OFF: 13 ~ 14	↑	
	Blower fan switch	38	VY	↑	↑		
	Rear defogger switch	43	VG	↑	↑		
	VDC	AEB	42	YB	↑	↑	VDC vehicles only
		AEC	46	OrB	↑	↑	↑
AET		47	BrR	VDC vehicles: 5 Others: 0	VDC vehicles: 5 Others: 0		

EGI SYSTEM

Classification	Terminal to inspect		Measuring terminal		Voltage (V)		Remark
			Terminal number	Wire color	IG SW ON (E/G stopped)	Idling	
Output	Injector	#1	108	Br	10 ~ 13	13 ~ 14	
		#2	107	Lg	↑	↑	
		#3	105	LR	↑	↑	
		#4	103	LB	↑	↑	
	Ignition signal	#1	1	RY	0	Ignition control waveform	Inspection using oscilloscope
		#2	8	YV	↑	↑	
		#3	15	RB	↑	↑	
		#4	20	BOr	↑	↑	
	ISC valve	1	10	BR	0 or 10 ~ 13	0 or 13 ~ 14	
		2	3	OrG	↑	↑	
		3	9	LW	↑	↑	
		4	2	GY	↑	↑	
	Canister purge solenoid		25	RG	OFF: 10 ~ 13	0 or 13 ~ 14	Inspection in D check mode
	Super charge pressure solenoid		19	BY	OFF: 10 ~ 13	OFF: 13 ~ 14	
	Exhaust valve duty solenoid		13	WOr	↑	↑	
	Relief valve 1 solenoid		110	GY	↑	↑	
	Relief valve 2 solenoid		109	L	↑	↑	
	Exhaust valve (positive pressure) solenoid		7	OrL	↑	↑	
	Exhaust valve (negative pressure) solenoid		14	BrL	↑	↑	
	Inlet valve solenoid		6	LB	↑	↑	
	Atmospheric pressure change over solenoid		24	BrB	↑	↑	
	Muffler control		5	OrL	OFF: 2 ~ 4	OFF: 2 ~ 4	
	Radiator fan relay	1	4	RL	ON: 0	ON: 0	
		2	11	GR	OFF: 10 ~ 13	OFF: 13 ~ 14	
	Fuel pump control		27	Lg	OFF: 0	1.7	
	Air conditioning relay		16	LOr	10 ~ 13	ON: 0 OFF: 13 ~ 14	
	Check engine lamp		22	RW	ON: 0	OFF: 13 ~ 14	
	Engine revolution		34	OrW	10 ~ 13	ON/OFF pulse	
	Intake air volume		54	Or	1.0	1.0 ~ 1.7	AT vehicles only
	Torque down inhibition		33	Y	0	0 or 13 ~ 14	↑
	VDC	EAC	39	R	10 ~ 13	13 ~ 14	VDC vehicles only
		EAS	44	L	↑	↑	↑
	Alternator control		18	BR	4 ~ 5	4 ~ 5	
	Injector ground		101	BP	0	0	
Power line ground		102	BW	0	0		
Ignition ground		104	B	0	0		