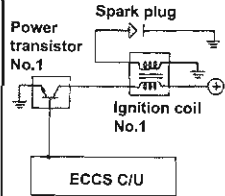
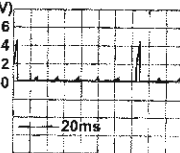
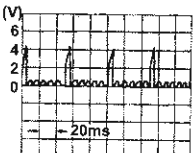
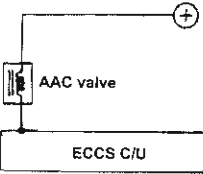
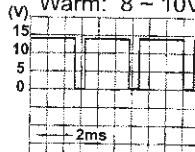
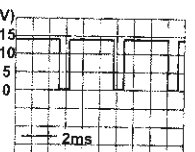
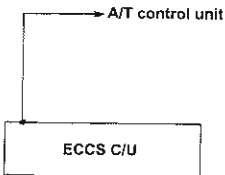
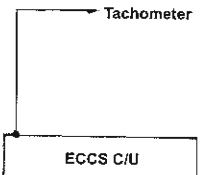
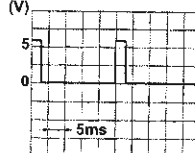
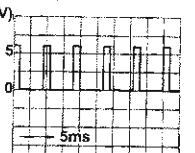
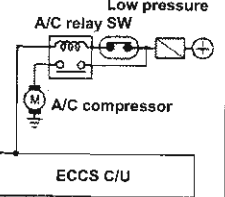
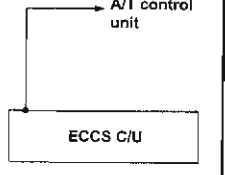

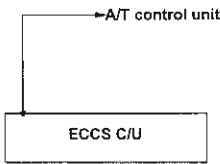
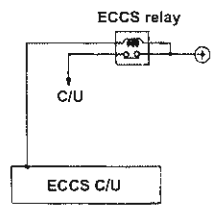
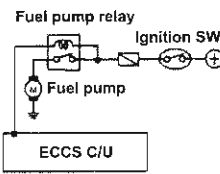
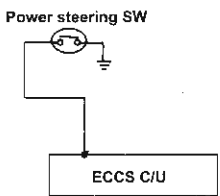
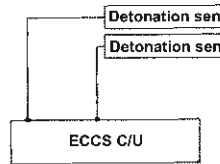
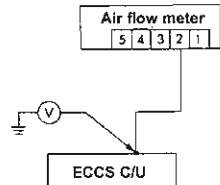


**2. OSCILLOSCOPE & CIRCUIT TESTER INSPECTION VALVE (RB25DE / DET ENGINE)**


101	102	103	104	105	106	107	108	1	2	3	4	5	6	7	8	9	10		21	22	23	24	25	26	27	28	29	30	41	42	43	44	45	46	47	48	49	50
109	110	111	112	113	114	115	116	11	12	13	14	15	16	17	18	19	20		31	32	33	34	35	36	37	38	39	40	51	52	53	54	55	56	57	58	59	60

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	-	CLK					

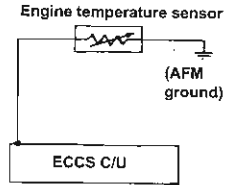
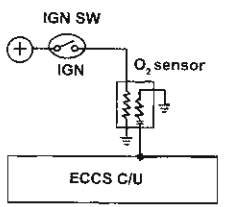
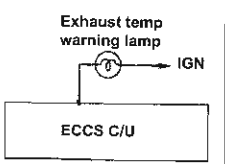
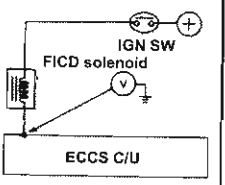
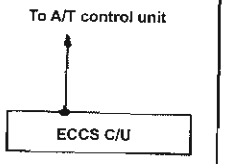
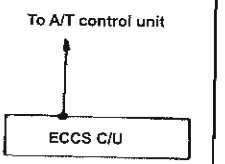
Terminal No.	Signal name	Circuit	At idle		At approx. 2,500 rpm	
			Standard	Memo	Standard	Memo
1 2 3 11 12 13	Power transistor control signal		0.2 ~ 0.3V 		Approx. 0.4V 	
4	AAC valve control signal		Cold: 6 ~ 7V Warm: 8 ~ 10V 		Approx. 5V 	
5	Engine A/T total control input signal (DT 1)		Approx. 10V		Approx. 10V	
7	Tachometer engine speed signal		Approx. 1V 		Approx. 2.4V 	
9	Air conditioner relay		Air conditioner OFF: Battery voltage Air conditioner ON: Approx. 1V		Air conditioner OFF: Battery voltage Air conditioner ON: Approx. 1V	
14	Engine A/T total control input signal (DT 2)		Approx. 10V		Approx. 10V	

RB25DE / RB25DET ENGINE																																																											
101	102	103	104	105	106	107	108	1	2	3	4	5	6	7	8	9	10		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50											
109	110	111	112	113	114	115	116	11	12	13	14	15	16	17	18	19	20		31	32	33	34	35	36	37	38	39	40	51	52	53	54	55	56	57	58	59	60																					
RX		TX						CHK		IGN																																																	
-		CLK																																																									
Terminal No.	Signal name	Circuit	At idle		At approx. 2,500 rpm																																																						
			Standard	Memo	Standard	Memo																																																					
15	Engine A/T total control output signal (TD 3)		Approx. 0V		Approx. 0V																																																						
16	ECCS relay		Approx. 0V (Ignition switch OFF: Power voltage)		Approx. 0V																																																						
18	Fuel pump relay		0V		0V																																																						
19	Power steering switch signal		Power steering ON: 0V Power steering OFF: 5V		Power steering ON: 0V Power steering OFF: 5V																																																						
23 24	Detonation sensor signal		Approx. 0.3V		Approx. 0.3V																																																						
27	Air flow meter (intake air quantity signal)		Approx. 1V		Approx. 1.5V																																																						

**RB25DE / RB25DET ENGINE**


101	102	103	104	105	106	107	108	1	2	3	4	5	6	7	8	9	10		21	22	23	24	25	26	27	28	29	30	41	42	43	44	45	46	47	48	49	50
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RX	TX				CHK	IGN
-	CLK					

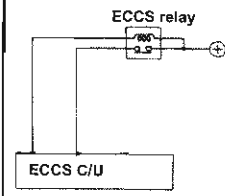
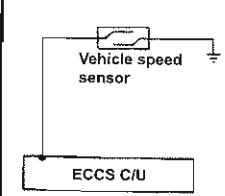
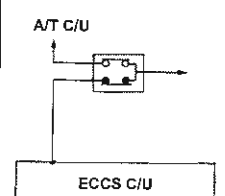
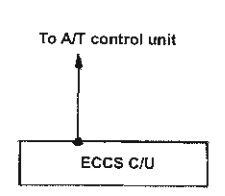
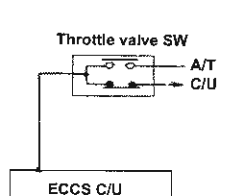
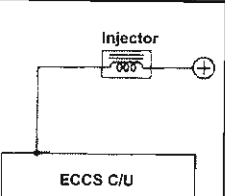
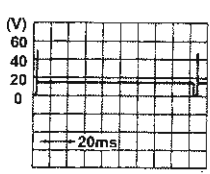
Terminal No.	Signal name	Circuit	At idle		At approx. 2,500 rpm	
			Standard	Memo	Standard	Memo
28	Engine temperature sensor signal		Engine temperature 80°: Approx. 1V Engine temperature 20°: Approx. 3V		Engine temperature 80°: Approx. 1V Engine temperature 20°: Approx. 3V	
29	Exhaust gas sensor signal		Approx. 0 ~ 1V		Deflect between 0 ~ Approx. 1V	
32	Monitor & Check lamp (red lamp, exhaust temperature warning lamp)		Lamp not lit: Power voltage Lamp lit: 0V		Lamp not lit: Power voltage Lamp lit: 0V	
36	FICD solenoid		A/C ON: 0V A/C OFF: Power voltage		A/C ON: 0V A/C OFF: Power voltage	
38	Throttle sensor signal		Approx. 0.5V		0.5 ~ 4V (Voltage increase when accelerator pedal is depressed)	
40	Intake air quantity output signal		Approx. 1V		Approx. 1.5V	



**RB25DE / RB25DET ENGINE**

101	102	103	04	105	106	107	108	1	2	3	4	5	6	7	8	9	10		21	22	23	24	25	26	27	28	29	30	41	42	43	44	45	46	47	48	49	50
109	110	111	112	113	114	115	116	11	12	13	14	15	16	17	18	19	20		31	32	33	34	35	36	37	38	39	40	51	52	53	54	55	56	57	58	59	60

RX	TX				CHK	IGN
-	CLK					

Terminal No.	Signal name	Circuit	At idle		At approx. 2,500 rpm	
			Standard	Memo	Standard	Memo
49	ECCS C/U power supply		Power voltage		Power voltage	
53	Vehicle speed sensor signal		D range (or 1st) with rear wheels jacked up: 0.5 ~ 1.5V The value actually deflects between 0 and 5V. However, it appears to deflect around 1V according to vehicle speed.		D range (or 1st) with rear wheels jacked up: 0.5 ~ 1.5V The value actually deflects between 0 and 5V. However, it appears to deflect around 1V according to vehicle speed.	
54	Throttle valve switch (Idle contact point)		Approx. 10V		0V when accelerator pedal is depressed	
56	Throttle opening output signal		Approx. 0.5V		Approx. 0.5 ~ 4V (Voltage will increase when accelerator pedal is depressed)	
57	Throttle valve switch (power supply)		Power voltage		Power voltage	
101 103 105 110 112 114	Injector control signal		Almost power voltage		Almost power voltage	