

조 정 데 이 터

INJ. PUMP CALIBRATION DATA

Ass'y No. : 1 0 4 7 8 0 - 4 8 6 0	
E/G Type : SS	
A kind of car: Topi c(H gh)	
Company : ASI A MOTORS	
Date : 1997. 04. 15.	

Drawing No. : 97 - 04 - 15 - 02

General Ass'y No. : KP - VE4/ 10F1800RNP1989

Pre- Stroke :

Pump rotation : Clockwise (viewed from Drive side)

1. Test Conditions

1-1 Nozzle : 105780- 0000(KP- DNI2SD12T)	1-4 Injection pipe : 2mm × 6mm × 840mm
1-2 Nozzle holder : 105780- 2080	1-5 Fuel oil temperature : 45±5 °C
1-3 Nozzle opening pressure : 150±5 Kg/ cm ²	1-6 Supply pump pressure : 0.2 Kg/ cm ²

2. Setting

	Pump speed (r/ min)	Settings	Charge air press (mmHg)	Difference in delivery
2-1 Timing device travel	1, 500	4.9± 0.2 mm		
2-2 Supply pump pressure	1, 500	6.1± 0.3Kg/ cm ²		
2-3 Full load delivery(FULL)	1, 100	45.3± 1.0 cc/ 1000st		4.5
Full load delivery(BCS)				
2-4 Idle speed regulation	380	8.0± 2.0 cc/ 1000st		3.0
2-5 Start	100	70.0 +20.0cc/ 1000st		
2-6 Full load speed regulation	2, 050	13.0± 2.0 cc/ 1000st		
2-7 Load- timer Adjustment				

3. Test Specifications

			Charge air press			
3-1	Timing device	N = r/ min mm	630± 100	1, 000	1, 500	1, 800
			0.5	2.3± 0.4	4.9± 0.2	6.5± 0.4
3-2	Supply pump	N = r/ min Kg/ cm ²	500	1, 000	1, 500	1, 800
			2.3± 0.3	4.2± 0.3	6.1± 0.3	7.3± 0.3
3-3	Overflow delivery	N = r/ min	1, 100	cc/ 1000st	460± 130	
3-4	Fuel injection quantities					

Speed control lever position	Pump speed (r/ min)	Fuel delivery (cc/ 1000st)	Charge air press (mmHg)	4. Dimensions	
Full- load speed	500	40.0± 1.5		K	3.3± 0.1 mm
	1, 100	45.3± 1.0		KF	5.8± 0.1 mm
	1, 500	(43.5± 2.0)		MS	1.6± 0.1 mm
	1, 800	40.4± 2.0		BCS	
	2, 050	13.0± 2.0		Control lever angle	
2, 100	5.0 이하				
Switch OFF Magnet valve	380	MV OFF Q=0		α	9° ± 4°
Idling	500	Below 3.0		A	mm
				β	39° ± 5°
3-5 Solenoid valve	Max. cut-in voltage		8 V	B	mm
	Test voltage		12 ~ 14V		

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		Max. test voltage	12 ~ 14V		
		Test voltage			

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