

## 1. Valve timing (Fig. 3.33)

Model	Inlet valve opens ①	Inlet valve closes ②	Exhaust valve opens ③	Exhaust valve closes ④
S 90	5° BTDC	35° ABDC	25° BBDC	5° ATDC
CL 90	5° BTDC	35° ABDC	25° BBDC	5° ATDC
CL90L	5° BTDC	20° ABDC	25° BBDC	5° ATDC
CD 90	5° BTDC	20° ABDC	25° BBDC	5° ATDC
C 90	5° BTDC	20° ABDC	25° BBDC	5° ATDC
CT 90	5° BTDC	20° ABDC	25° BBDC	5° ATDC

BTDC.....Before top dead center  
 ABDC.....After bottom dead center  
 BBDC.....Before bottom dead center  
 ATDC.....After top dead center

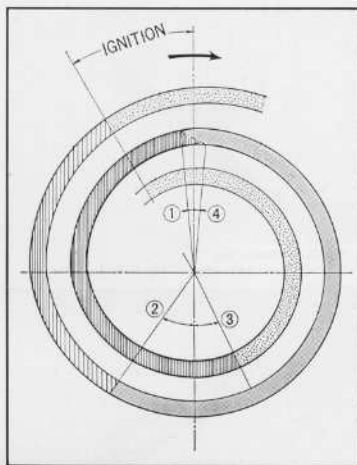


Fig. 3.33 Valve timing diagram

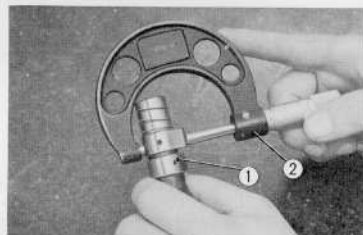
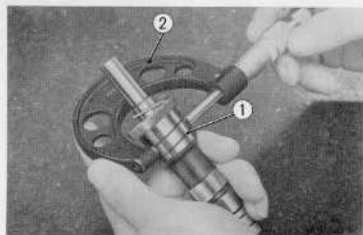
## 2. Camshaft (Fig. 3.34, 35)

Item	Standard value	Serviceable limit
Left end Dia (Fig. 3.35)	25.917~25.930 mm (1.0208~1.025)	Replace if under 25.180 (0.9913 in)
Right end Dia	17.927~17.939 mm (0.7060~0.6730)	Replace if under 17.900 (0.7147 in)
Shaft runout	0.01 max (0.0004 in)	Replace if over 0.05 (0.0020 in)
Cam height (Fig. 3.34)	24.90~24.98 mm (0.9792~0.9836 in)	Replace if under 24.6 (0.9684 in)
Left end bearing Dia	26.00~26.020 mm (1.0236~1.0244 in)	Replace if over 26.05 (1.0256 in)
Right end bearing Dia	18.000~18.018 mm (0.7086~0.7093 in)	Replace if over 18.05 (0.7106 in)

## 3. Cam sprocket root diameter

Standard value → 53.435~53.385  
 (2.103~2.105 in)

Serviceable limit → Replace if under  
 53.00 (2.09 in)

Fig. 3.34 Measuring camshaft height  
① Camshaft ② MicrometerFig. 3.35 Measuring camshaft end diameter  
① Camshaft ② Micrometer