

**Table 1 MAINTENANCE CHECKLIST**

<b>Weekly/Gas Stop Maintenance</b>	
Tire pressure	Check cold and adjust to suit load and speed
Brake function	Check for a solid feel
Brake lever play	1973-77: 1/8-3/16 in. (3-5 mm) Z1R: 3/16 in. (4-5 mm)
Brake pedal play	Drum Brake: About 1 in. (20-30 mm) Disc Brake: About 3/8 in. (8-10 mm)
Throttle grip	Check for smooth opening and return Free play: 1/16-1/8 in. (2-3 mm)
Clutch lever play	1/16-1/8 in. (2-3 mm)
Steering	Smooth but not loose
Drive chain play	About 1 1/4 in. (30-35 mm)
Drive chain	Lubricated—not dry
Chain oiler level	1973-74: Check
Nuts, bolts, cotter pins	Check axles, suspension, controls and linkage
Engine oil level	Check
Lights and horn	Check operation, especially brake light
Engine noise and leaks	Check
Kill switch	Check operation
<b>Monthly/3,000 Mile Maintenance</b>	
Battery electrolyte level	Check more frequently in hot weather
Disc brake fluid level	Check
<b>6 Month/3,000 Mile Maintenance</b>	
Air cleaner	Clean or replace
Fuel system	Clean carburetor bowls and fuel tank
Spark plugs	Check, clean, gap
Cam chain	1973-78: Adjust tension
Air suction valves	1979 and later: Check
Valve clearance	Check
Contact points	1973-78: Check gap, lube cam
Ignition timing	1973-78: Check, adjust
Throttle cables	Adjust
Carburetors	Adjust idle and synchronize
Engine oil and filter	Change (filter every other time)
General lube	Perform general lubrication
Clutch	Adjust
Tire wear	Check
Spokes and rim runout	1973-78: Check wire wheels
Drive chain wear	Check
Brake pads/linings	Check wear
Steering play	Check
Suspension	Check

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(Continued)

Table 1 MAINTENANCE CHECKLIST (continued)

Yearly/6,000 Mile Maintenance	
Fork oil	Change
Brake fluid	Change
Air cleaner	Replace
Ignition advance	Lube
Nuts, bolts, fasteners	Inspect/tighten
Rear bevel lube	Shaft Drive: Check level
Drive shaft joints	Shaft Drive: Grease at 6000 miles, then every 18,000 miles
Swing arm	Shaft Drive: Grease at 6000 miles, then every 18,000 miles
2 Year/12,000 Mile Maintenance	
Speedometer gear housing	Grease
Wheel bearings	1973-78: Grease
Steering stem bearings	Grease
Rear brake cam	900cc: Grease
Rear bevel lube	Shaft drive: Change (18,000 miles)

Table 2 TIRES AND TIRE PRESSURE

		Tire Pressure (psi) @ Load			
		Tire Size	0-215 lb.	215-365 lb.	Over 365 lb.
Shaft drive	Front	3.50V-19	28	28	28
	Rear	4.50V-17	32	36	40
Chain drive 1979 and later	Front	3.25V-19	28	28	
	Rear	4.00V-18	32	40	
1973-78	Front	3.50H-19	28	28	
	Rear	4.00H-18	32	36	
Z1R	Front	3.25H-19	28	28	
	Rear	4.00H-18	32	36	
LTD	Front	ML90-19	26	26	
	Rear	MT90-16T	22	24	

Table 3 VALVE CLEARANCE INSPECTION

Model Year	Check Valve Pairs	Clearance
1973-78	1 and 3, or 2 and 4	0.002-0.004 in. (0.05-0.10 mm)
1979 and Later	1 and 2, or 3 and 4	0.002-0.006 in. (0.05-0.15 mm)

Table 4 IGNITION TIMING SPECIFICATIONS

Year	Initial	Advance
1979	10° @ 1000 rpm	40° @ 3400 rpm
1978½ (emission controlled)	10° @ 1000 rpm	40° @ 2350 rpm
1978 Z1R	10° @ 1450 rpm	40° @ 2350 rpm
Others	20° @ 1450 rpm	40° @ 2350 rpm
1977 LTD	20° @ 1450 rpm	40° @ 2350 rpm
Others	20° @ 1500 rpm	40° @ 2350 rpm
1975-76	20° @ 1500 rpm	40° @ 2350 rpm
1974 Late	20° @ 1500 rpm	40° @ 3000 rpm
Early	5° @ 1500 rpm	40° @ 3000 rpm
1973	5° @ 1500 rpm	40° @ 3000 rpm

**Table 5 IDLE MIXTURE STANDARD SETTINGS**

<b>Year</b>	<b>1973-74</b>	<b>1975</b>	<b>1976</b>	<b>1977</b>	<b>1978</b>	<b>1979</b>
Pilot/Air Screw (turns out)	1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4

**Table 6 CARBURETOR SYNCH VACUUM — INCHES Hg**

<b>Year</b>	<b>1973-75</b>	<b>1976</b>	<b>1977</b>	<b>1978-79</b>
Normal range	7.9-9.8 in. (20-25 cm)	7.9-9.1 in. (20-23 cm)	9.4-11.0 in. (24-28 cm)	7.9-11.0 in. (20-28 cm)
Minimum	6 in. (15 cm)	6 in. (15 cm)	7.5 in. (15 cm)	6 in. (15 cm)

# QUICK REFERENCE DATA

## BREAKER PLATE



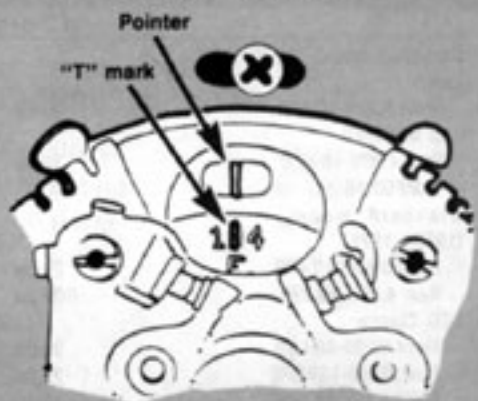
1. Mounting screws
2. Base plate screws

## TIMING

1973-EARLY 1974



LATE 1974-1978



## TUNE-UP SPECIFICATIONS

### Spark plug gap

1980 Z1R:

0.039 — 0.043 in. (1.0 — 1.1 mm)

All others:

0.028 — 0.032 in. (0.7 — 0.8 mm)

### Spark plug type

Normal riding conditions

NGK: — B8ES

ND: — W24ES-U

Low speeds or cold weather

(below 50° F, 10° C)

NGK: — B7ES

ND: — W22ES-U

### Valve clearance (cold) — intake and exhaust

1979 & Later:

0.002 — 0.006 in. (0.05 — 0.15 mm)

1973 — 1978:

0.002 — 0.004 in. (0.05 — 0.10 mm)

### Idle speed

1000cc:

1,000 rpm

900cc:

900 rpm

## KZ1000/900 CHASSIS ADJUSTMENTS

Clutch cable play	1/8 in. (2-3 mm)
Brake lever play	
Z1R	1/8 in. (2-3 mm)
1973-1977	1/8-3/16 in. (3-5 mm)
Brake pedal play	
Disc brake	3/8 in. (8-10 mm)
Drum brake	1 in. (20-30 mm)
Drive chain play	
(on centerstand)	1 1/4 in. (30-35 mm)
(on sidestand)	1 in. (25 mm)
Throttle cable play	1/8 in. (2-3 mm)

## TIRES AND TIRE PRESSURE

Model/Tire Size	Pressure @ Load		
	0 - 215 lb.	Over 215 lb.	
Standard model (1979 and Later)			
Front 3.25V-19 4PR or MN90-19	28 psi	28 psi	
Rear 4.00V-18 4PR or MP90-18	32 psi	40 psi	
Standard model (1973-1978)			
Front 3.50H-19 4PR	28 psi	28 psi	
Rear 4.00H-18 4PR	32 psi	36 psi	
LTD, Classic			
Front ML90-19 LRB	26 psi	26 psi	
Rear ML90-16T LRB	22 psi	24 psi	
Front 3.25V-19 4PR	28 psi	28 psi	
Z1R			
Rear 4.00V-18 4PR	32 psi	40 psi	
Shaft Drive	0-215 lb.	215-365 lb.	Over 365 lb.
Front 3.50V-19 4PR	28 psi	28 psi	28 psi
TUBELESS			
Rear 4.50V-17 4PR	32 psi	36 psi	40 psi
TUBELESS			

## KZ1000/900 STANDARD FORK OIL

Model	Dry Capacity U.S. Fl. Oz. (cc)	Wet Capacity	Oil Level Inches (mm)	SAE Grade
Standard				
1978 and Later	6.2 (184)	5.4 (160)	17.4 (441)	10W
1976-1977	5.9 (174)	4.7 (140)	16.8 (426)	10W
1974-1975	5.7 (170)	4.7 (140)	16.6 (422)	10W
1973	5.7 (170)	4.7 (140)	17.9 (455)	10W
Shaft Drive	11.5 (340)	10.5 (310)	18.9 (480)	10W

NOTE: On 1978 and later models, check the fork oil level with the fork fully extended and the fork spring removed. On earlier models, leave the spring in place. Use non-detergent oil to retard foaming.

## KZ1000/900 CARBURETOR SPECIFICATIONS

Item	1980 All	1979 Standard Model	1979 LTD	1978 1/2 All emission- controlled
Size/type	VM28SS	VM28SS	VM26SS	VM26SS
Main jet	No. 102.5 (No. 110 Shaft)	No. 102.5 (No. 110 Shaft)	No. 102.5	No. 102.5
Pilot jet	No. 15	No. 15	No. 15	No. 15
Jet needle	5CN29	5CN17-3	5CN18-3	5CN7-4
Needle jet	0-4	0-4	0-6	0-3
Cutaway	2.0	2.0	2.0	2.0
Idle mixture	—	1-1/8	(Full clockwise)	
Fuel level	4 mm	4 mm	4 mm	4 mm
Float height	26 mm	26 mm	26 mm	26 mm

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## KZ1000/900 CARBURETOR SPECIFICATIONS (continued)

Item	1978 Standard Model	1978 Z1R	1977 Standard Model	1977 LTD
Size/type	VM26SS	VM28SS	VM26SS	VM26SS
Main jet	No. 105	No. 107.5	No. 107.5	No. 105
Pilot jet	No. 15	No. 15	No. 17.5	No. 15
Jet needle	50L31-3	5CN15-3	5CN8-3	50L31-3
Needle jet	0-5	0-1	0-6	0-5
Cutaway	1.5	1.5	1.5	1.5
Idle mixture	1-1/4	1-3/8	1 1/4	1 1/4
Fuel level	4 mm	4 mm	3 mm	3 mm
Float height	26 mm	26 mm	25 mm	25 mm

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## KZ1000/900 CARBURETOR SPECIFICATIONS (continued)

Item	1976	1975	1973-1974
Size/type	VM26SS	VM28SC	VM28SC
Main jet	No. 115	No. 112.5	No. 112.5
Pilot jet	No. 17.5	No. 17.5	No. 20
Jet needle	50L31-3	5J9-2	5J9-3
Needle jet	0-6	0-8	P-8
Cutaway	1.5	1.5	2.5
Idle mixture	1-3/8	1-1/4	1 1/2
Fuel level	3 mm	3.5 mm	3.5 mm
Float height	22 mm	24 mm	24 mm

Fastener	ft.-lb.	(mkg)
<b>ENGINE</b>		
Alternator rotor bolt		
1979 and later (12 mm)	95	(13.0)
1978 (10 mm)	50	(7.25)
1973-1977 (8 mm)	18	(2.5)
Camshaft cap bolts		
1979 and later	12	(1.7)
1973-1978 (chrome)	9	(1.2)
1973-1978 (dark)	7	(1.0)
Clutch hub nut	90	(12.0)
Crankcase bolts		
1000cc		
Small	90 in.-lb.	(1.0)
Large	18	(2.5)
900cc	70 in.-lb.	(0.8)
Crankshaft main bearing cap bolts	18	(2.5)
Cylinder head		
Bolts	8.5	(1.2)
Nuts	30	(4.0)
Engine mounting bolts	30	(4.0)
Engine mounting bracket bolts	17	(2.4)
Engine sprocket nut		
1000cc	60	(8.0)
900cc	100	(13.5)
Oil drain plug	22	(3.0)
Oil filter mounting bolt	15	(2.0)
Spark plugs	20	(2.8)
Shaft drive:		
Front bevel mounting bolts	18	(2.5)
Front bevel drive gear nut	90	(12.0)
Front Bevel driven gear bolt	90	(12.0)
<b>CHASSIS</b>		
Front axle clamp nuts	14	(1.9)
Front axle nut(s)	60	(8.0)
Fork triple clamp bolts		
Chain Drive—Upper bolt	14	(1.9)
Chain Drive—Lower bolt		
1000cc	30	(4.0)
900cc	40	(5.7)
Shaft Drive—Upper bolt	20	(2.8)
Shaft Drive—Lower bolt	15	(2.0)
Rear axle nut		
Chain Drive	90	(12.0)
Shaft Drive	100	(14.0)
Steering head top bolt		
Chain drive	35	(4.5)
Shaft drive	30	(4.0)
Swing arm pivot nut		
Chain drive	70	(10.0)
Shaft drive	11	(1.5)
Torque link nuts	22	(3.0)
Shaft Drive		
Rear bevel mounting bolts	22	(3.0)
Rear bevel drain plug	15	(2.0)
Rear bevel pinion nut	90	(12.0)