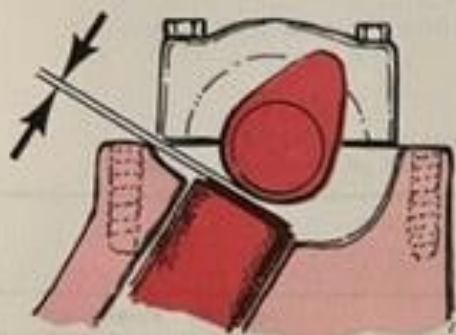


QUICK REFERENCE DATA



VALVE CLEARANCE



SPARK PLUG GAP



TIMING MARK

FREE PLAY ADJUSTMENTS

Clutch lever	0.08-0.12 in. (2-3mm)
Front brake lever	0.02-0.03 in. (5-8mm)
Rear brake pedal	$\frac{1}{8}$ - $\frac{1}{4}$ in. (13-15mm)

TUNE-UP SPECIFICATIONS

Cylinder head nuts	
Upper	25 ft.-lb. (35 N•m)
Lower	14 ft.-lb. (20 N•m)
Valve clearance (cold)	
Intake	0.006-0.008 in. (0.16-0.20mm)
Exhaust	0.008-0.010 in. (0.21-0.25mm)
Spark plug	
Type	NGK BP-6ES, Champion N-8Y
Gap	0.028-0.31 in. (0.7-0.8mm)
Idle speed	
Models E and F	950-1,050 rpm
Model SF	1,050-1,150 rpm
Compression pressure	
Cold at sea level	142 ± 14 psi (10 ± 1.0 kg/cm ²)

FLUIDS

Item	Type	Quantity
Engine oil		3.2 U.S. qt. (3.0 liter; 2.66 imp. qt.)
Above 40°F (5°C)	SAE 20W-40	
Below	SAE 10W-30	
Fork oil	SAE 10W fork oil	7.17 U.S. oz. (2.12cc; 5.97 imp. oz.)
Models E and F		7.61 U.S. oz. (225cc; 6.34 imp. oz.)
Model SF		Upper level line
Brake fluid	DOT-3	
Middle gear case and final drive case	Hypoid gear oil	10.0 U.S. oz. (300cc; 10.56 imp. oz.)
All weather	SAE 80W 90/GL4	
Above 40°F (5°C)	SAE 90/GL4	
Below 40°F (5°C)	SAE 80/GL4	
Fuel	Regular	
Models E and F		5.3 U.S. gal. (20 liters; 4.4 imp. gal.)
Model SF		3.97 U.S. gal. (15 liters; 3.3 imp. gal.)

TIRES

Load	Pressure (All Models)
Up to 198 lb. (90 kg)	
Front	26 psi (1.8 kg/cm ²)
Rear	28 psi (2.0 kg/cm ²)
198-337 lb. (90-153 kg)	
Front	28 psi (2.0 kg/cm ²)
Rear	36 psi (2.5 kg/cm ²)
Maximum Load Limit*	
Front — 420 lb. (190 kg)	36 psi (2.6 kg/cm ²)
Rear — 670 lb. (304 kg)	40 psi (2.8 kg/cm ²)

* Maximum load includes the total weight of motorcycle with accessories, rider(s), and luggage.

ELECTRICAL SYSTEM

Fuse	
Main	30 amp
Headlight	10 amp
Tail/brakelight	20 amp
Ignition	10 amp
Battery	12 volt, 20 amp hour
Replacement bulbs	
Headlight	
Models E and F	50/60 watt
Model SF	55/60 watt
Tail/brakelight	8/27 watt
Directional light	27 watt
Instrument light	3.4 watt
Meter light	3.4 watt

ENGINE TORQUE SPECIFICATIONS

Item	Foot-Pounds (FL-lb.)	Newton Meters (N•m)
Cylinder head nuts		
Upper	25	34
Lower	14	19
Camshaft cap nuts	7.2	10
Oil filter bolt	23	31
Alternator rotor bolt	47	65
Clutch center bolt	51	70

FRAME TORQUE SPECIFICATIONS

Item	Foot-pounds	Newton Meters
Steering stem		
Top bolt	61.5	85
Pinch bolt	14.5	20
Top fork bridge	14.5	20
Lower fork bridge		
Models E and F	12.5	17
Model SF	14.5	20
Handle bar holder	13	18
Front axle nut	77	107
Front axle holder nuts		
Models E and F	14.5	20
Model SF	14.5	20
Rear axle nut		
Models E and F	108	147
Model SF	76	105
Rear axle pinch bolt		
Models E and F	4.5	6
Model SF	14.5	20
Rear swing arm pivot		
Bolt	47	64
Locknut	72	100
Engine mounting bolts		
Front and rear		
through bolts	72	100
Mounting bracket bolts	48	67
Final drive flange nuts	30	42
Brake rotor to wheel bolts — front and rear	15	20
Front caliper assembly		
Models E and F		
Upper bolt	32	45
Lower bolt	13	18
Model SF		
Mounting bolt	18	24
Brake hose union bolts (all)	18	24
Rear master cylinder to frame	16	23