SR 500 1978-79 Specifications		AHAMAY		
General Specifications	General Specifications Engine Chassis			
General Specifications				
	1978	1979		
Model: I.B.M. No.	2J2	2J2-020101		
Frame I.D. and starting number Engine I.D. and starting number	2J2-000101 2J2-000101	2J2-020101		
Dimensions: Overall length Overall width (standard) Overall height (standard) Wheel base Minimum ground clearance	2,105 mm (82.9 in) 835 mm (32.9 in) 1,150 mm (45.3 in) 1,410 mm (55.5 in) 165 mm (6.5 in)			
Weight: Net weight	163 kg (359 lbs)			
Performance: Climbing ability Minimum turning radius Braking distance	30 deg 2,400 mm (94.5 in) 14 m (45.9 ft) at 50km/h (31	mph)		
Engin	e specifications <u>(Top)</u>			
Description: Engine type Engine model Displacement Bore x Stroke Compression Ratio Starting system Ignition system Lubrication system	Air cooled 4-stroke, forward incline, single, S.O.H.C. 2J2 499 cc (30.45 cu. in.) 87 x 84 mm (3.425 x 3.307 in) 9.0 : 1 Primary kick starter C.D.I. Dry sump, trochoidal pump			
Cylinder Head: Combustion chamber type Combustion chamber volume (with BP7ES or N-7Y) Head gasket thickness	Hemispherical 62.4 cc (3.81 cu. in.) 1.0 mm (.039 in)			
Camshaft: Cam drive type Camshaft bearing type (left)	Drive chain (right side driv 6005C3	e)		

Camshaft bearing type (right)	6005C3 (with groove)	
Cam chain type and No. of links	BF05M, 106L	
Cam dimensions:	required <allowable></allowable>	
A (Cam Height) IN.	39.23 +or05 mm <39.08 mm>	
	(1.5445 +or0020 in <1.5386 in>)	
A (Cam Height) EX.	39.25 +or05 mm <39.10 mm>	
	(1.5453 +or0020 in <1.5394 in>)	
B (Base circle) IN.	32.23 +or05 mm <32.08 mm>	
	(1.2689 +or0020 in <1.2630 in>)	
B (Base circle) EX.	32.28 +or05 mm <32.08 mm>	
_ (; ; ,	(1.2709 +or0020 in <1.2630 in>)	
C (Cam lift) IN	7.225 mm (.2844 in)	
C (Cam lift) EX	7.253 mm (.2856 in)	
Camshaft run out limit	<0.1 mm (.0039 in)>	
Valve timing.		
Intake open	BTDC 44 deg	
Intake close	ABDC 68 deg	
Duration	292 deg	
Exhaust open	BBDC 76 deg	
Exhaust close	ATDC 36 deg	
Exhaust duration	292 deg	
Valve overlan	80 deg	
Pocker arm and reaker shaft:	required collowables	
Rocker arm bearing dia (LD)	1200.1202mm < 12.05 mm	
Rocker ann bearing tha. (1.D.)	(4724, 4722) in (4724) in (724)	
\mathbf{P}_{ookar} arm shaft dia $(\mathbf{O}\mathbf{D})$	(.+72+0.+752 m < .4744 m >)	
Rocker ann shart ula. (O.D.)	(4714, 4720 in < 4700 in)	
Clearence	$(.4/14^{-}.4/20 \text{ mm} < 11 \text{ mm})$	
Clearance	(0004 - 0016 in < 0043 in)	
Value value seat and value guides		
Valve classes (cold): IN	required <allowable></allowable>	
Valve clearance (cold): IN.	10 mm (.0039 in)	
Valve clearance (cold): EX.	1.15 mm (.0059 in)	
No. of valves per cylinder:	2 pcs	
Valve head dia. (A): IN.	47 mm (1.85 in)	
Valve head dia. (A): EX.	39 mm (1.54 in)	
Valve face width (B): IN	2.12 mm (.0835 in)	
Valve face width (B): EX	2.12 mm (.0835 in)	
Valve seat width (C): IN	1.3 mm (.051 in)	
Valve seat width (C): EX.	1.3 mm (.051 in)	
Valve margin thickness (D). IN	1.3 mm (.051 in)	
Valve margin thickness (D): EX	1.3 mm (.051 in)	
Valve stem outside dia · IN	$7.97 \sim 7.99 \text{ mm}$ (3138~0.3146 in)	
Valve stem outside dia · EX	$7.96 \sim 7.97 \text{ mm} (.3134 \sim 0.3138 \text{ in})$	
Valve guide inside dia : IN	$8 01_{-8} 02 \text{ mm} (3154_{-0} 3157 \text{ in})$	
Valve guide inside dia · FX	8.01-8.02 mm (.3154-0.3157 m)	
Valve stem to guide clearance: IN	$0.01 \sim 0.02$ IIIII (.3134~0.3137 III) $0.02 \sim 0.04$ mm < 0.08 mm	
	(0.008, 0.016 in < 0.021 in)	
II		

h			
Valve stem to guide clearance: EX.	.04~.06 mm <.1 mm>		
	(.0016~.0024 in <.0039 in>)		
Valve springs:	required <allowable></allowable>		
Free length: Inner	45.3 mm <43.9 mm> (1.783 in <1.728 in>)		
Free length: Outer	44.6 mm <43.3 mm> (1.756 in <1.703 in>)		
Spring rate: Inner	$K_{1} = 1.67, K_{2} = 2.12 [kg/mm]$		
	(K1 = 93.5, K2 = 119 [lb/in])		
Spring rate: Outer	$K_1 = 3.60, K_2 - 4.63 [kg/mm]$		
1 8	(K1 = 202, K2 = 259 [Ib/in])		
Installed length (valve closed): Inner	38.0 mm (1.496 in)		
Installed length (valve closed): Outer	40.0 mm (1.575 in)		
Installed pressure (valve closed): Unper	12.2 kg (26.9 lb)		
Installed pressure (valve closed): Outer	16.4 kg (36.2 lb)		
Compressed length (valve open): Inner	28.0 mm (1.102 in)		
Compressed length (valve open): Outer	30.0 mm (1.181 in)		
Compressed pressure (valve open): Juner	33.4 kg (73.6 lb)		
Compressed pressure (valve open): niner	62.7 kg (138.2 lb)		
Wire diameter: Inner	3.1 mm (122 in)		
Wire diameter: Outer	44 mm (0.173 in)		
Winding outside diameter: Inner	234 mm (921 in)		
Winding outside diameter: Outer	32.9 mm (1.295 in)		
Tilt limit from vertical: Inner	1 97 mm (0776 in)		
Tilt limit from vertical: Outer	1.97 mm (.0776 in)		
Cylinder:	required <allowable></allowable>		
Material	Aluminum alloy with cast iron sleeve		
Bore size	$8/.00 \sim 8/.02 \text{ mm} < 8/.1 \text{ mm} >$		
	$(3.4252 \sim 3.4260 \text{ in } < 3.429 \text{ in})$		
l aper limit	<.05 mm > (<.0020 m >)		
Out Of round limit	<.01 mm> (<.0004 m>)		
Piston:	required <allowable></allowable>		
Piston clearance	.050 ~ .055 mm (.0020 ~ .0022 in)		
Piston clearance measuring position			
(from piston skirt bottom)	7.2 mm (.283 in)		
Piston pin bore size	20.00 ~ 20.02 mm <20.08 mm>		
	(.7874 ~ .7882 in <.7905 in>)		
Piston pin outside diameter	19.99 ~ 20.00 <19.96 mm>		
	(.7870 ~ .7874 in <.7858 in>)		
Piston pin length	75 mm (2.95 in)		
Over size piston diameter: 1 st	87.25 mm (3.4350 in)		
Over size piston diameter: 2nd	87.50 mm (3.4449 in)		
Over size piston diameter: 3rd	87.75 mm (3.4547 in)		
Over size piston diameter: 4th	88.00 mm (3.4646 in)		
	required <allowable></allowable>		
Piston ring:	Plain ring		
Piston ring design: Top ring	Plain ring		
Piston ring design: 2nd ring	Oil ring with expander		
Piston ring design: Oil ring	.3 ~ .5 mm <0.8 mm>		
Ring end gap (installed): Top ring	(.012 ~ .020 in <.030 in>)		

Ring end gap (installed): 2nd ring Ring end gap (installed): Oil ring Ring groove side clearance: Top ring Ring groove side clearance: 2nd ring Ring groove side clearance: Oil ring Over size piston ring: Ist Over size piston ring: 2nd Over size piston ring: 3rd Over size piston ring: 4th	.3 ~ .5 mm <.8 mm> (.012 ~ .020 in <.031 in>) .2 ~ .9 mm <1.0 mm> .04 ~ .08 mm <.15 mm> (.0016 ~ .0031 in <.0059 in>) .03 ~ .07 mm <.15 mm> (.0012 ~ .0028 in <.0059 in>) N.A. 87.25 mm (3.4350 in) 87.50 mm (3.4449 in) 87.75 mm (3.4547 in) 88.00 mm (3.4646 in)
Big end bearing:	Needle bearing
Type	34 x 42 x 24 mm (1.34 x 1.65 x .94 in)
Inside dia. x outside dia. x width	IKO 4 mm (.16 in) x 18 pcs
Needle dia. x quality	KOYO 4 mm (.16 in) x 17 pcs.
Crankshaft:	required <allowable></allowable>
Crankshaft assembly width (F)	74.95 ~ 75.00 mm (2.9508 ~ 2.9528 in)
Crankshaft deflection (D)	<.03 mm (.0012 in) or less>
Connecting rod large end side clearance	.35 ~ .65 mm (.0138 ~ .0256 in)
(C)	.8 ~ 1.0 mm <2.0 mm>
Connecting rod small end deflection (P)	(.0315 ~ .0394 in <0.079 in>)
Crank pin outside dia. x length	34 x 74 mm (1.34 x 2.91 in)
Crank bearing type; Left	6306 SH2-9-C4
Crank bearing type; Right	6307 SH2-9-C4 with special heat treatment
Crank oil seal type: Left	SD-30-60-6
Crank oil seal type: Right	S-14-25-5.5 special
Clutch: Clutch type Clutch push mechanism Primary reduction ratio and method Primary reduction gear back lash number Primary drive gear back lash number Primary driven gear back lash number Friction plate: Thickness/quantity Clutch plate: Thickness/quantity Clutch plate: Thickness/quantity Clutch plate: Warp limit Clutch spring: Free length/quantity Clutch spring: Spring set weight Clutch spring: Spring constant Clutch housing thrust clearance Push rod bending limit Push lever axle: Bearing type and size Push lever axle: Oil seal type and size	required <allowable> Wet, multiple disc type Inner push, cam axle type $77/30 (2.566)$, spur gear $148 \sim 150$ $21.79 + 004 mm (4 Teeth)$ $52.71 + 004 mm (9 Teeth)$ <math>2.8 mm < 2.5 mm> /8 pcs.$(.110 in <.098 in> /8 pcs.)$ $1.2 mm /7 pcs. (.047 in /7 pcs.)$ $<.05 mm (.0020 in)>$ <math>41.2 mm <40.0 mm> /6 pcs.$(1.622 in <1.575 in> /6 pcs.)$ $19.8 x 6 kg/25 mm (43.7 6 lb/.984 in)$ $1.22 kg/mm (68.3 lb/in)$ $.10 ~ .21 mm (.004 ~ .008 in)$ $<.2 mm (.0079 in) or less>Needle bearing (17-21.5-15) x 2 pcs.SD-17-28-6$</math></math></allowable>

Transmission:		
Туре	Constant mesh. 5 speed	
Gear ratio: 1st	33/14 (2.357)	
Gear ratio: 2nd	28/18 (1.555)	
Gear ratio: 3rd	25/21(1.190)	
Gear ratio: 4th	22/24 (0.916)	
Gear ratio: 5th	21/27 (0.777)	
Bearing type: Main axle (Left)	Needle bearing (20-32-12)	
Bearing type: Main axle (Right)	4205	
Drive axle (Left)	6305 special	
Drive axle (Right)	Needle bearing (20-36-12)	
Drive axle (Left)	SD-35-62-10	
Secondary reduction ratio and method	44/16 (2.750), chain	
Shifting mechanism:		
Operation system	Return type, left foot operation	
Shifting type	Guide bar type, cam drum system	
Oil seal type: Change lever	SDO-14-24-6	
Kick starter:		
Туре	Ratchet type	
Oil seal type Kick axle	SD-25-35-7	
Compression release:		
Туре	Manual, wire linked cam axle type	
Lever free play	2 mm (.079 in)	
Oil seal type	SD-12-17-2.5-2NR	
Air cleaner:		
Air cleaner: Type/quantity	Dry foam rubber / l pc.	
Air cleaner: Type/quantity Carburetor:	Dry foam rubber / l pc.	
Air cleaner: Type/quantity Carburetor: Type and manufacturer	Dry foam rubber / l pc. VM34SS MIKUNI	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark	Dry foam rubber / l pc. VM34SS MIKUNI 2J200	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark Main jet (M.J.)	Dry foam rubber / l pc. VM34SS MIKUNI 2J200 #300	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark Main jet (M.J.) Airjet (A.J.)	Dry foam rubber / l pc. VM34SS MIKUNI 2J200 #300 #80	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark Main jet (M.J.) Airjet (A.J.) Jet needle: Clip position (J.N.)	Dry foam rubber / 1 pc. VM34SS MIKUNI 2J200 #300 #80 6FL25-2	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark Main jet (M.J.) Airjet (A.J.) Jet needle: Clip position (J.N.) Needle jet (N.J.)	Dry foam rubber / l pc. VM34SS MIKUNI 2J200 #300 #80 6FL25-2 P-8	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark Main jet (M.J.) Airjet (A.J.) Jet needle: Clip position (J.N.) Needle jet (N.J.) Cutaway (C.A.)	Dry foam rubber / l pc. VM34SS MIKUNI 2J200 #300 #80 6FL25-2 P-8 3.5	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark Main jet (M.J.) Airjet (A.J.) Jet needle: Clip position (J.N.) Needle jet (N.J.) Cutaway (C.A.) Pilot jet (P.J.)	Dry foam rubber / 1 pc. VM34SS MIKUNI 2J200 #300 #80 6FL25-2 P-8 3.5 #25	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark Main jet (M.J.) Airjet (A.J.) Jet needle: Clip position (J.N.) Needle jet (N.J.) Cutaway (C.A.) Pilot jet (P.J.) Mixture screw turns out	Dry foam rubber / 1 pc. VM34SS MIKUNI 2J200 #300 #80 6FL25-2 P-8 3.5 #25 Preset	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark Main jet (M.J.) Airjet (A.J.) Jet needle: Clip position (J.N.) Needle jet (N.J.) Cutaway (C.A.) Pilot jet (P.J.) Mixture screw turns out Starter jet (G.S.)	Dry foam rubber / 1 pc. VM34SS MIKUNI 2J200 #300 #80 6FL25-2 P-8 3.5 #25 Preset #50	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark Main jet (M.J.) Airjet (A.J.) Jet needle: Clip position (J.N.) Needle jet (N.J.) Cutaway (C.A.) Pilot jet (P.J.) Mixture screw turns out Starter jet (G.S.) Float height	Dry foam rubber / 1 pc. VM34SS MIKUNI 2J200 #300 #80 6FL25-2 P-8 3.5 #25 Preset #50 23.5 + or- 1 mm (925 + or- 039 in)	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark Main jet (M.J.) Airjet (A.J.) Jet needle: Clip position (J.N.) Needle jet (N.J.) Cutaway (C.A.) Pilot jet (P.J.) Mixture screw turns out Starter jet (G.S.) Float height Idling engine speed	Dry foam rubber / 1 pc. VM34SS MIKUNI 2J200 #300 #80 6FL25-2 P-8 3.5 #25 Preset #50 23.5 +or- 1 mm (.925 +or039 in) 1100 r/min	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark Main jet (M.J.) Airjet (A.J.) Jet needle: Clip position (J.N.) Needle jet (N.J.) Cutaway (C.A.) Pilot jet (P.J.) Mixture screw turns out Starter jet (G.S.) Float height Idling engine speed	Dry foam rubber / 1 pc. VM34SS MIKUNI 2J200 #300 #80 6FL25-2 P-8 3.5 #25 Preset #50 23.5 + or- 1 mm (.925 + or039 in) 1100 r/min	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark Main jet (M.J.) Airjet (A.J.) Jet needle: Clip position (J.N.) Needle jet (N.J.) Cutaway (C.A.) Pilot jet (P.J.) Mixture screw turns out Starter jet (G.S.) Float height Idling engine speed	Dry foam rubber / 1 pc. VM34SS MIKUNI 2J200 #300 #80 6FL25-2 P-8 3.5 #25 Preset #50 23.5 + or- 1 mm (.925 + or039 in) 1100 r/min required <allowable></allowable>	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark Main jet (M.J.) Airjet (A.J.) Jet needle: Clip position (J.N.) Needle jet (N.J.) Cutaway (C.A.) Pilot jet (P.J.) Mixture screw turns out Starter jet (G.S.) Float height Idling engine speed Lubrication:	Dry foam rubber / 1 pc. VM34SS MIKUNI 2J200 #300 #80 6FL25-2 P-8 3.5 #25 Preset #50 23.5 +or- 1 mm (.925 +or039 in) 1100 r/min required <allowable></allowable> Total amount: 2.4 lit (2.5 US.qt) (2.11 Imp. qt)	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark Main jet (M.J.) Airjet (A.J.) Jet needle: Clip position (J.N.) Needle jet (N.J.) Cutaway (C.A.) Pilot jet (P.J.) Mixture screw turns out Starter jet (G.S.) Float height Idling engine speed Lubrication: Transmission gear and engine sump oil	Dry foam rubber / 1 pc. VM34SS MIKUNI 2J200 #300 #80 6FL25-2 P-8 3.5 #25 Preset #50 23.5 + or- 1 mm (.925 + or039 in) 1100 r/min required <allowable></allowable> Total amount: 2.4 lit (2.5 US.qt) (2.11 Imp. qt) Periodic oil change: 2.0 lit (2.1 US.qt) (1.76 Imp. qt)	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark Main jet (M.J.) Airjet (A.J.) Jet needle: Clip position (J.N.) Needle jet (N.J.) Cutaway (C.A.) Pilot jet (P.J.) Mixture screw turns out Starter jet (G.S.) Float height Idling engine speed Lubrication: Transmission gear and engine sump oil Quantity	Dry foam rubber / 1 pc. VM34SS MIKUNI 2J200 #300 #80 6FL25-2 P-8 3.5 #25 Preset #50 23.5 + or- 1 mm (.925 + or039 in) 1100 r/min required <allowable> Total amount: 2.4 lit (2.5 US.qt) (2.11 Imp. qt) Periodic oil change: 2.0 lit (2.1 US.qt) (1.76 Imp. qt) Exchange with oil filter: 2.1 lit (2.2 US.qt) 1.85</allowable>	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark Main jet (M.J.) Airjet (A.J.) Jet needle: Clip position (J.N.) Needle jet (N.J.) Cutaway (C.A.) Pilot jet (P.J.) Mixture screw turns out Starter jet (G.S.) Float height Idling engine speed Lubrication: Transmission gear and engine sump oil Quantity	Dry foam rubber / 1 pc. VM34SS MIKUNI 2J200 #300 #80 6FL25-2 P-8 3.5 #25 Preset #50 23.5 + or - 1 mm (.925 + or039 in) 1100 r/min required <allowable> Total amount: 2.4 lit (2.5 US.qt) (2.11 Imp. qt) Periodic oil change: 2.0 lit (2.1 US.qt) (1.76 Imp. qt) Exchange with oil filter: 2.1 lit (2.2 US.qt) 1.85 IMP.qt)</allowable>	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark Main jet (M.J.) Airjet (A.J.) Jet needle: Clip position (J.N.) Needle jet (N.J.) Cutaway (C.A.) Pilot jet (P.J.) Mixture screw turns out Starter jet (G.S.) Float height Idling engine speed Lubrication: Transmission gear and engine sump oil Quantity	Dry foam rubber / 1 pc. VM34SS MIKUNI 2J200 #300 #80 6FL25-2 P-8 3.5 #25 Preset #50 23.5 + or- 1 mm (.925 + or039 in) 1100 r/min required <allowable> Total amount: 2.4 lit (2.5 US.qt) (2.11 Imp. qt) Periodic oil change: 2.0 lit (2.1 US.qt) (1.76 Imp. qt) Exchange with oil filter: 2.1 lit (2.2 US.qt) 1.85 IMP.qt) Yamalube 20W / 40 motor oil or equivalent</allowable>	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark Main jet (M.J.) Airjet (A.J.) Jet needle: Clip position (J.N.) Needle jet (N.J.) Cutaway (C.A.) Pilot jet (P.J.) Mixture screw turns out Starter jet (G.S.) Float height Idling engine speed Lubrication: Transmission gear and engine sump oil Quantity Type engine oil	Dry foam rubber / 1 pc. VM34SS MIKUNI 2J200 #300 #80 6FL25-2 P-8 3.5 #25 Preset #50 23.5 +or- 1 mm (.925 +or039 in) 1100 r/min required <allowable></allowable> Total amount: 2.4 lit (2.5 US.qt) (2.11 Imp. qt) Periodic oil change: 2.0 lit (2.1 US.qt) (1.76 Imp. qt) Exchange with oil filter: 2.1 lit (2.2 US.qt) 1.85 IMP.qt) Yamalube 20W / 40 motor oil or equivalent Trochoidal pump	
Air cleaner: Type/quantity Carburetor: Type and manufacturer I.D. mark Main jet (M.J.) Airjet (A.J.) Jet needle: Clip position (J.N.) Needle jet (N.J.) Cutaway (C.A.) Pilot jet (P.J.) Mixture screw turns out Starter jet (G.S.) Float height Idling engine speed Lubrication: Transmission gear and engine sump oil Quantity Type engine oil Oil pump: Type	Dry foam rubber / 1 pc. VM34SS MIKUNI 2J200 #300 #80 6FL25-2 P-8 3.5 #25 Preset #50 23.5 +or- 1 mm (.925 +or039 in) 1100 r/min required <allowable></allowable> Total amount: 2.4 lit (2.5 US.qt) (2.11 Imp. qt) Periodic oil change: 2.0 lit (2.1 US.qt) (1.76 Imp. qt) Exchange with oil filter: 2.1 lit (2.2 US.qt) 1.85 IMP.qt) Yamalube 20W / 40 motor oil or equivalent Trochoidal pump 40.65 ~ 40.68 mm <40.85>	

Oil pump: Housing depth (delivery)	4.03 ~ 4.06 mm <4.09 mm>	
	(.1587 ~ .1598 in <.1610 in>)	
Oil pump: Housing depth (scavenger)	$18.03 \sim 18.06 \text{ mm} < 18.09 \text{ mm} >$	
Oil pump: Rotor diameter	40.53 ~ 40.56 mm <40.50 m>	
on period comments	(1.5957 ~ 1.5968 in <1.5945 in>)	
Oil pump: Rotor thickness (delivery)	3.98 ~ 4.00 mm <3.95 mm>	
Rotor thickness (scavenger)	(.1567 ~ .1575 in <.1555 in>)	
Outer rotor and housing clearance	17.98 ~ 18.00 mm <17.95 mm>)	
	.09 ~ .15 mm <.35 mm>	
Side clearance	(.0035 ~ .0059 in <.0138 in>)	
	.03 ~ .08 mm <0.14 mm>	
Tip clearance	(.0012 ~ .0031 in <.0055 in>)	
1	.07 ~ .12 mm <.35 mm>	
Check valve opening pressure	(.0028 ~ .0047 in <.00138 in>)	
By-pass valve opening pressure	.18 kg/cm2 (2.56 lb/in2)	
Oil cleaner type	1.0 kg/cm2 (14.2 lb/in2)	
	Paper type	

Chassis specification (Top)

Tubular steel semi double cradle
Tubular steel semi double cradle
27.5 deg (62.5 deg)
27.5 deg (62.5 deg)
117 mm (4.6 in)
22 pcs. 3/16 in
19 pcs. 1/4 in
L.R. 41.5 deg
Telescopic forks
150 mm (5.9 in)
445 mm (17.52 in) 417 mm (16.42 in) 3.6 x 24.3 mm (.14 x 0.96 in) K1 = .4 kg/mm (0 ~ 100 mm) (22.4 lb/in (0 ~ 3.94 in) K2 = .504 kg/mm (100 ~ 150 mm) (28.2 lb/in (3.94 ~ 5.91 in)
35 mm (1.38 in)
SD-35-48-10.5
182 cc (6.15 oz) (6.41 IMP.oz)
Yamaha fork oil 10 Wt. or equivalent
required <allowable></allowable> Swing arm Coil spring, oil damper

Rear shock absorber travel Rear wheel travel Rear shock absorber spring:	80 mm (3.15 in) 110 mm (4.33 in)	
Free length	216.5 mm (8.52 in)	
Set length (soft position)	198 mm (7.80 in)	
Wire dia. x winding dia.	7.5 x 61 mm (.30 x 2.40 in)	
Spring constant	$K1 = 1.8 \text{ kg/mm} (O \sim 50 \text{ mm})$	
	(100.8 lb/in (0 ~1.97 in)	
	$K2 = 2.1 \text{ kg/mm} (50 \sim 80 \text{ mm})$	
	(117.6 lb/in (1.97 ~ 3.15 in)	
Swing arm free play (limit)	<1 mm (0.039 in)>	
Pivotshaft:	16 mm (0.63 in)	
Outside dia.	L.R. Needle bearing (22-29-20)	
Bearing type and size	L.R. Thrust needle bearing (22-40.15-6)	
Dust seal type	8(
	L.R. OSO-35-41.5-8	
Fuel tank:		
Capacity	12 lit (3.2 US.Gal) (2.6 IMP.gal)	
Fuel grade	Regular gasoline	
Wheel:	required <allowable></allowable>	
Туре	Casting wheel	
Tire size and pattern: Front	3.50-S19-4PR. lug type	
Tire size and pattern: Rear	4.00-S18-4PR. lug type	
Rim type: Front	1.85-19 / Aluminum	
Rim type: Rear	2.15-18 / Aluminum	
Rim runout (limit): Front/Rear	<2 mm> (<.08 in>)	
Rim hopping (limit): Front/Rear	<2 mm> (<.08 in>)	
Bearing type:		
Front wheel (Left)	6303ZZ	
Front wheel (Right)	6303Z	
Rear wheel (Left)	6203RS	
Rear wheel (Right)	6303ZZ	
Oil seat type:		
Front wheel (Left)		
Front wheel (Right)	SD-28-47-7-1	
Meter gear	SDD-45-56-6	
Rear wheel (Left)	SD-25-40-8	
Rear wheel (Right)	SD-28-47-7-1	
Secondary drive chain:		
Туре	DID 50 HDSS	
Number of links	103L +Joint	
Chain pitch	15.875 rnm (.6250 in)	
Chain free play	20 mm (0.79 in)	
Brakes:		
Туре	Hydraulic disc type	
Disc size (Outside dia x thickness)		
Front	298 x 5 mm (11.73 x .02 in)	
11		
Rear	267 x 5 mm (10.51 x .02 in)	

Disc pad thickness Pad wear limit (Minimum thickness)	11 mm (.43 in) <6 mm> (<.24 in>) 14.0 mm (.55 in)
Master cylinder inside dia.	38.18 mm (1.50 in)
Caliper cylinder inside dia.	DOT #3 brake fluid
Brake fluid type	

Electrical Specifications (Top)			
Voltage	12V		
Ignition system :	required <allowable></allowable>		
Model/Manufacturer	032000-045 / NIPPON DENSO		
High speed (White/Red-Black)	16 ohm +or- 30% at 20 deg C(68 deg F)		
Low speed (White/Green-Black)	87 ohm +or-30% at 20 degC (68 deg F)		
Charge coil resistance	334 ohm +or- 30% at 20degC (68 deg F)		
High speed (Red-Brown)	329 ohm +or- 30% at 20 deg C (68 deg F) BTDC 7 deg / 1100 r/min		
Ignition timing:			
Ignition advancer:	Electrical		
Advance type	26.5 deg		
Advance angle	1,950 r/min		
Advance starting engine speed	6,000 r/min		
Full advance engine speed			
Ignition coil:	029700-468 / NIPPON DENSO		
Model/manufacturer	<6 mm (.24 in) / 500 r/min>		
Spark gap	.98 ohm +or- 20% at 20 deg C (68 deg F)		
Primary winding resistance			
Secondary winding resistance	12k ohm +or- 20% at 20 deg C (68 deg F)		
Spark plug:			
Туре	BP-7ES (NGK) N-7Y (Champion)		
Spark plug gap	.7 ~ .8 mm (.028 ~ .031 in)		
C. D.I. unit:			
Model/Manufacturer	070000-035/NIPPON DENSO		
Charging system:	032000-045 / NIPPON DENSO		
AC. magneto:	M27 x P 1.0		
Model/Manufacturer	14.5V-11A / 5000 r/min		
Rotor puller thread size			
Output	.73 ohm +or- 30% at 20 deg C (68 deg F)		
Stator coil resistance			
White-Yellow	.80 ohm +or- 30% at 20deg C (68 deg F)		
White-White			
Rectifier/regulator:			
Model/Manufacturer	SH235 / SHINDENGEN		
(Rectifier)			
Туре	I.C. type. three phase full wave		

Capacity	15A
Withstand voltage	200V
(Regulator)	
Туре	I.C. type
Regulating voltage	14.5 +or5V
Allowable amperage	15A
Battery:	
Model/Manufacturer	12N7-3B / G.S.
Capacity	12V, 7AH
Charging rate	.7A x 10 hours
Specific gravity	1.280
Lighting system:	
Headlight type:	Sealed beam
Bulb wattage/Quantity:	
Headlight	12V, 50W/40W x 1
Taillight	12V 8W (3CP) x 1
Brake light	12V 27W (32CP) x 1
Flasher light	12V 27W (32CP) x 4
Turn indicator light	12V 3.4W x 1
Meter light	12V 3.4W x 4
High beam indicator light	12V 3.4W x 1
Neutral indicator light	12V 3.4W x 1
Horn:	CF-12 / NIKKO HORN
Model/Manufacturer	1.24 ohm +or- 10% at 20 deg C (68 deg F)
Winding resistance	
Amperage	2.5A
Flasher relay:	
Type	Condenser type
Model/Manufacturer	FN257C / NIPPON DENSO
Consister frequency	85 +or- 10 cycle/min.
Capacity	12V 27W x 2 + 3W
Fuse:	
Rating	20A
amaha specifications	Scale Models Yamaha Books
DIRECTORY	Search

Engine Specifications Search multiple engines for engine specifications

Ask a Yamaha Mechanic Now

5 Yamaha Mechanics Are Online! Ask a Question, Get an Answer ASAP.

Ads by Google



Yamaha Motorc Search

Yamaha Mo	torcycles			
Picture	Product	Price	Bids	Time Left
300 B	<u>Suzuki : GSX-R GSX 1994 Suzuki</u> <u>GSXR 600</u>	\$351.00	7	8h 53m
	Yamaha : FZ FZ-1 NEW YAMAHA FZ 1 MOTORCYCLE FZ1 NAKED SPORT BIKE	\$7,895.00	'≅Buy It Now	12h 40m
	<u>Kawasaki 05 Kawasaki Vulcan®</u> <u>1500 Classic</u>	\$6,499.00	<i>≔Buy It Now</i>	12h 42m
	Other Makes POLINI XP65 / SEXTON NATIONAL BIKE / 09 STOCK	\$2,595.00	-	12h 45m
	Other Makes POLINI XP4R / 2008 / READY TO RUMBLE / PIT BIKE / 110	\$3,995.00	-	12h 45m
View all 4	11 items on eBay			disclaimer