

Suzuki GT/T500 engine tune-up and maintenance details

Carburetor

Carburetor specs	T500III, R	T500J	T500K, L, M, GT500A, B
Carburetor	VM32SC	VM32SC	VM32SC
Main jet	150	150	97.5
Needle jet	P-5	P-5 (right) P-4 (left)	P-4
Needle (last no. indicates needle clip position counting from top groove)	5FP8-3	5FP8-3	5FP17-3
Pilot jet	30	30	30
Throttle slide	2.5	2.5	2.5

Model	T500, R, J	T500K	T500L	T500M	GT500A, B
Pilot screw turns out	1.25	1.5	1.5	1.5	1.5

Model	T500, R	T500J, K, L, M	GT500A, B
Float height	27mm	27.3mm	25.8mm

Ignition

Model	T500, R, J	T500K	T500L	T500M	GT500A, B
Spark plug (NGK/ND)	B-77HC/W24FS	B-77HC/W24FS	B-77HC/W24FS	B-7HS/W22FS	B-7HS/W22FS
Spark plug gap	0.6-0.7mm	0.6-0.7mm	0.6-0.7mm	0.6-0.7mm	0.6-0.7mm
Point gap	0.3-0.4mm	0.3-0.4mm	0.3-0.4mm	0.3-0.4mm	not applicable
Ignition timing (BTDC)	3.4mm	3.4mm	3.44mm	3.44mm	PEI - 2.93 mm

Piston clearances (std bore 70mm, 1st OS 70.5mm 2nd OS 71mm)

Piston clearance (measuring from bottom edge of skirt, 90 degrees from the wrist pin)	T500III-M, GT500A, B
Piston standard clearance	0.065-0.075mm
Piston servicable limit	0.25
Ring end gap	0.20-0.36mm
Ring servicable limit	1.0mm

Various Capacities

Capacities	T500	T500II, III, R, J,	T500K, L, M	GT500A, B
Gearbox (transmission), including clutchcase	1200cc standard (warning, modify gearbox to hold at least 1400cc)	1200cc standard (warning, modify gearbox to hold at least 1400cc)	1400cc standard	1400cc standard
Front fork (each leg)	220cc	220cc	220cc	220cc
Oil tank	2,500cc	1,800cc	1,800cc	1,800cc
Fuel tank		14 litre	14 litre	17 litre

Suggested lubricants

Engine oil - good quality two-stroke SAE30 oil (synthetic oil is perfectly OK)
Gearbox (transmission) - SAE 20/40W multi-grade oil (but not friction modified if possible)
Front forks - SAE 10/30W multi-grade oil, ATF (auto transmission oil) or a good quality fork oil
Drive chain - SAE30 motor oil or special chain lubricant
Fuel - 85-95 octane

Tyres and electrics

Tyres	3.25 x 19in front / 4.00 x 18 rear
Tyre pressure	22-24 psi front / 26-34psi rear
Battery	12V 5AH
Headlight globe	12V 35/25W
Tail-light/brake-light	12V 4/32cp
Indicators	12V 32cp
Fuse	15amp glass fuse
Instrument globes	12V 3,4W

Clutch and general adjustments

Description	Suzuki T 500/GT 500
Clutch plates fibre	std. = 3,5 mm / change at : 3,2 mm
Clutch plates steel	std. = 3,5 mm / change at : 3,2 mm
Clutch springs	std. = 40,4 mm / change at: 39,0 mm
Clutch lever free play	4 mm
Front brake free play	20 mm
Rear brake pedal free play	20 - 30 mm
Rear chain free play	25 mm measured in middle of chain