

Filling fork oil Capacity

upper chamber grows smaller, forcing the oil through

the cylinder upper orifices since the oil cannot return

the way it came through the non-return valve. These

small holes restrict the oil flow into the inner tube,

damping fork extension. Near the end of the extension

stroke both the cylinder spring and the arrangement of the cylinder upper orifices provide further resistance to extension. As the collar rises, reducing the

of size the upper chamber, the cylinder upper orifices are elimi-

nated and an oil lock forms, finishing the extension stroke.

Either too much or too little oil in the shock ab-

sorbers will adversely affect shock damping. Too much oil or too heavy an oil makes action too stiff; too little

oil or too light an oil makes the action soft, decreases

damping potential, and may cause noise during fork movement.

Contaminated or deteriorated oil will also affect

shock damping and, in addition, will accelerate internal

The fork oil should be changed wear. periodically

(Pg. 195) or sooner if the oil appears dirty.

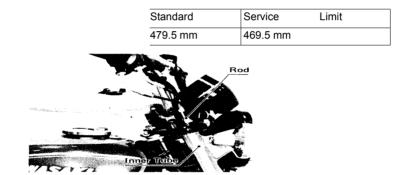
A bent, dented, scored, or otherwise damaged inner tube will damage the oil seal, causing oil leakage. Α badly bent inner tube may cause poor handling.

Fork oil

To check the fork oil level, first place a jack or stand under the engine so that the front wheel is raised off the ground. Remove the top bolt from the inner tube. Insert a rod down into the tube, and measure the dis-

disastance from the top of the inner tube to the $% \left(A_{i}^{A}\right) =0$ After level. sembly and oil If the oil is below the correct level, add completely dry enough oil to bring it up to the proper level, taking care not to overfill.

			When	
Туре			changin	
			•	Since the spring becomes shorter as
Oil Level				it weakens, check
				its free length to determine its condition. If the
			396	spring
			mm	of either shock absorber is shorter than the
			fro	service
			m	limit, it must be replaced. If the length of a
			top	replace-
			of	ment spring and that of the remaining spring
			inn	vary
			er	greatly, the remaining spring should also be
			tub	replaced in
			е	order to keep the shock absorbers balanced
				for motor-
SAE				cycle stability.
10W20	about 140 cc	171-180 cc		Free Length



To drain out the old oil, remove the drain $\ensuremath{\mathsf{screw}}$

from the lower end of the outer tube. With the front

wheel on the ground and the front brake fully applied

push down on the handlebar a few times to pump out the oil. Install the drain screw, remove the top

bolt,

from the inner tube, and pour in the type and amount

of oil specified in Table 100. Then replace the top bolt

and check the oil level. If the oil is below the specified

level, add oil and re-check the oil level.

NOTE: After the front fork oil is changed, before

checking the oil level, pump the forks several times to

expel air from the upper and lower chambers.