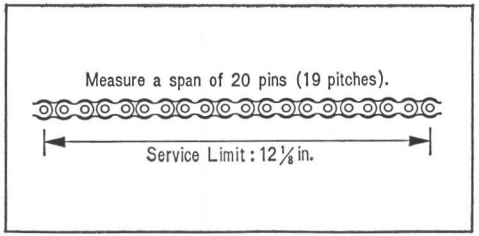
Measuring Drive Chain Wear

Measure a section of drive chain to determine whether the chain is worn beyond its service limit. Put the transmission in gear, then turn the rear wheel forward until the lower section of the chain is pulled taut. With the chain held taut, and any stiff joints straightened measure the distance between a span of 20 pins, from pin center to pin center. In a new CB 750 drive chain, this distance will measure $11^{7}/_{8}$ in. (each pitch = 5/8 in.). If the distance exceeds $12^{1}/_{8}$ in. the chain is worn out and must be replaced. After the chain is measured, shift the transmission into neutral again before proceeding with inspection and service.



Measuring Drive Chain Tension

Check drive chain tension at a point midway between the drive sprocket and the rear wheel sprocket. Move the chain up and down with your fingers, and measure the amount of slack. Drive chain tension is adjusted to 1/2–1 in. Slack becomes greater as the chain wears. If chain slack is found to exceed the above limit, the drive chain must be readjusted.

Drive chain tension should remain fairly constant as the wheel is turned. If slack increases or decreases markedly in certain sections of the chain, this indicates that