

# EXTREMELY IMPORTANT!!!

## BREAK-IN Procedures for Puch 250

These procedures apply to all new engines and new top ends. Piston Clearance=.0035"

Please read completely! Motor West, Inc., its owners, or employees, will not be held liable for any accident, injury, or damage to property, engine, or motorcycle caused by the improper break-in of a new engine or top-end. Failure to follow these procedures voids any guarantee- implied or written by Motor West, Inc.

### Basics notes:

1. For the first 1300 miles, always run your motorcycle on a fuel which is Pre-mixed at a ratio of 50:1 (50 parts fuel to 1 part 2-Cycle Oil) IN ADDITION to running the engine with the oil tank fined and the oil pump set at the standard setting. After break-in (1300 miles) you may run the engine with just the standard oil pump setting, periodically checking the oil tank and taking extra care to see that it NEVER runs dry.
2. For the first 0-600 miles do not carry passengers or climb steep hills.
3. After the first 500 miles, change gearbox oil and flush with "Motorflush" (available at any auto parts store) before refining with clean oil. In cold or varied climates, SAE 30 motor oil is suitable for the gearbox/primary of the engine; warmer climates may require the use of 40 or 50 weight oils in the gearbox/primary.

### Speeds and gear ranges during break-in (EXTREMELY IMPORTANT TO FOLLOW)

#### 0-200 miles:

1st gear- 12mph  
2nd gear- 20mph  
3rd gear- 30mph  
4th gear- 40 mph

During this mileage period do not exceed 43mph. Always vary your speed; do not stay at one speed for any length of time. Do not carry passengers or climb steep grades. Remember to run a 50:1 fuel pre-mix in addition to oil pump.

#### 200-600 miles:

1st. gear- 12mph  
2nd gear- 20mph  
3rd gear- 30mph  
4th gear- 53mph

During this mileage period do not exceed 53mph. Remember to run a pre-mix fuel in addition to standard oil pump setting. Do not carry passengers or climb steep grades Vary speeds while riding with short bursts to 1/2 throttle or about 53 mph Toward the end of this period change and flush gearbox/primary oil

#### 600-1300 miles:

1st gear- 15mph  
2nd gear- 30mph  
3rd gear- 40mph  
4th gear- 60mph

During this mileage period the real fun begins. Do not immediately push the bike to top speed but begin to make short bursts toward top speed Toward the end of the period you may ride for SHORT intervals at top speed. Still, vary your speed and don't stick to just one speed. Continue to run the bike on pre-mix to the end of this period. Check your oil pump to be sure that it is set at the correct setting before weaning the engine from the pre-mix. By now the bike should be able to run at a top speed in the low 70's. As you progress further toward 2000 miles speeds can exceed 80 mph. The key is BE PATIENT! Then enjoy your Puch.