MAINTENANCE

Clutch Adjustment

1. Disengage handlebar clutch.
2. Remove right side cover from engine and then remove small locking screw on center flat nut.
3. Remove small locking screw on the clutch adjuster. Pull clutch lever inward to lock in catch position.
4. Pull clutch lever in to adjust clutch nut to releases the tension on clutch plate. Turn nut in or out as required to set.
5. Back off flat nut ¼ turn counterclockwise. Release clutch lever and check for slight clutch arm 1/16" free-play on opposite side of engine. Readjust if required. Then re-install small locking screw.
6. Place a small gob of grease at gear mesh area. Replace cover.

Carburetor

After every 5 hours of operation check the adjustment of the mixture screw by rotating screw clockwise until seated and then rotate screw 4½ turns back counterclockwise.

Depending on dusty riding conditions, clean air filter every 5 to 20 hours of operation by removing the filter cover to access the screen and element. Wash element with a degreasing agent such as Simple Green™ or Purple Stuff™. Be sure element is completely dry before reassembly.

Spark Plug

Check plug after every 20 hours of operation. Remove spark plug and inspect for excess carbon build up. Clean and re-gap to .028- .034 of an inch if necessary.

Exhaust system

After 20 hours of operation check exhaust pipe for excessive oil and carbon build-up.

1. Remove exhaust pipe cap by loosening the retaining screw.
2. Pull cap and baffle out of pipe.
3. Clean with degreaser, rinse and dry.
4. Re-assemble

NOTE: Excessive periods of low speed operation, idling or leaving fuel petcock in the "on" position during shut down periods may cause the pipe to become clogged with unburned fuel.

Chain

Every time bike is ridden check the tension of the drive chain by:

1. Rolling to bicycle forward to remove slack from the bottom of the chain.
2. Find the center and push downward on the top of chain while measuring the deflection.
3. Tighten chain if deflection is more than ½ inch.

Head Bolts

Important: Check head bolts before each and every ride, vibration can cause them to loosen and blow a head gasket. Tighten all fasteners after each five hours of operation.

To check cylinder head bolts

1. Tighten in an X pattern to 12 ft/lb. using a torque wrench. A two piece cylinder and head design engine requires head bolts be kept tight.

CAUTION: Do not over torque or head bolts may break off.

Right side gears

Regular greasing if required will help reduce gear wear and keep gear train quiet.

1. Remove cover plate and keep small amount of heavy grease on gear train.

NOTE: Do not over grease as leaks will occur and also may adversely affect clutch operation.

Idle speed adjustment

If engine races too fast or too slow, pull clutch lever and lock in the notched catch, stop and adjust engine rpm.

1. Turn the idle adjust screw (left side of carburetor) in or out slowly to obtain the proper idle speed of about 1400 rpm +/- 100 rpm.