

## 2-STROKE ENGINE BREAK-IN

After engine has been completely installed in chassis. Be sure all fluids have been filled (coolant, trans oil. Etc.). Before starting a freshly rebuilt or new engine it is strongly recommended to make sure that the carburetor has been thoroughly cleaned and fuel tank has been flushed clean. Fresh fuel/oil mixture has been used, air box has been cleaned and a new or freshly serviced air filter has been installed.

**CAUTION:** *Make sure the jetting in your carburetor has been adjusted for you current engine build/rebuild. You cannot assume jetting will not change after a motor build/rebuild. In almost all cases a fresh engine will require richer carburetor setting.*

*Call DR with any questions on this subject. Failure to set carburetor correct will cause sever engine damage to your engine*

Once the above steps have been completed, start your engine and follow the break-in procedure.

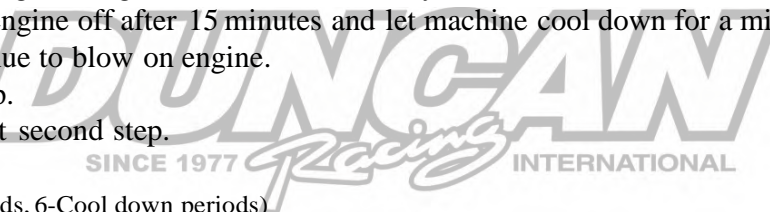
### PART 1(2-Idle periods, 2-Cool down periods)

**IDLE:** Start engine and let idle with a fan blowing on the radiator, to simulate riding conditions without a load on the engine. Engine must idle for exactly 15 minutes.

**COOL DOWN:** Shut engine off after 15 minutes and let machine cool down for a minimum of 30 minutes. Let fan continue to blow on engine.

**IDLE:** Repeat first step.

**COOL DOWN:** Repeat second step.



### PART II (6-Riding periods, 6-Cool down periods)

**RIDE:** Ride machine for 15 minutes; make sure to vary your RPM range. Ride machine at 50% of your normal riding pace. Be careful not to put any unnecessary strain on the motor during break-in.

**COOL DOWN:** After 5 minutes of riding. Shut machine off and let machine cool down for a minimum of 30 minutes.

**RIDE:** Repeat initial riding period. But ride machine at 60% of your normal pace.

**COOL DOWN:** Shut machine off and let cool down for a minimum of 30 minutes.

**RIDE:** Repeat initial riding period, but ride machine at 70% of your normal pace.

**COOL DOWN:** Shut machine off and let machine cool down for a minimum of 30 minutes.

**RIDE:** Repeat initial riding period. But ride machine at 80% of your normal pace.

**COOL DOWN:** Shut machine off and let machine cool down for a minimum of 30 minutes.

**RIDE:** Repeat initial riding period. But ride machine at 90% of your normal pace.

**COOL DOWN:** Shut machine off and let machine cool down for a minimum of 30 minutes.

**RIDE:** Repeat initial riding period. But ride machine at 100% of your normal pace.

**COOL DOWN:** Shut machine off and let machine cool down for a minimum of 30 minutes.

Break in should now be complete. Confirm that carburetion settings are correct and give your machine a complete safety check before continuing your riding.

### TIPS FOR A SMOOTHER BREAK-IN

- Do not use paddle tires. Stay away from deep sand dunes, mud etc until break-in is complete.
- Check coolant level after Cool Down periods. Make sure machine is cool before opening radiator cap.
- Break-in engine with same gasoline, premix oil, and same mix ratio that you plan to use permanently.

- Check carburetion jetting periodically during break-in.
- Check that all engine mount and chassis bolts are secure during Cool Down periods.
- Check *ALL* radiator hoses and carburetor clamps are secure.

