



## DRI YAMAHA BANSHEE NATIONAL KIT ASSEMBLY TIPS

1987-2008 Models

### ELIMINATOR ENGINE KIT SUPPLEMENTAL INSTRUCTIONS

**CENTER CASE MODIFICATIONS:** It is necessary to modify the centercases for the required clearance between crankshaft and cases. Because crankshaft pin has been relocated to adjuster the stroke of the engine on the ELIMINATOR kit, the connecting rod extends outside the crank halves. This inturn causes the connecting rods to hit the center cases (especially the top cases).

The easiest way to correct this is to perform the following steps;

- Strip and Clean center cases
- Install Eliminator stoker crank in bottom center case.
- Apply a metal marking agent to inside of top center case. (the marking agent will show if metal is marked, scratched etc.)
- Install top case and hand tighten the 8mm bottom case bolts
- Easily try to turn crankshaft over 360 degrees.
- Remove top case. There will be scratch marks inside case where rod touch.
- With hand held die grinder, use aluminum cutting bit (oval or flame shape) and grind away case material in area where case and crankshaft/rod touch. \* It is recommended to only grind away 2 or 3 mm's of material then recheck clearance.
- Clean away ALL shavings before reinstalling crankshaft and rechecking clearance.
- Continue to modify/grind cases until crankshaft spins freely with absolutely NO obstruction.
- Call DRI Tech Line (619) 258-6308 for additional technical support.

**CARBURETION:** The Eliminator kit uses specially modified Keihin 35mm PWK carburetors. The jetting settings in them will vary from National carburetor settings. Call for details.