

Top 80 Engine Break-In

1. Start the engine and let it idle until the cooling fins are too hot to touch (CHT temp of 70C). Idle it for another (10) minutes. Do not exceed these times because it will foul the spark plug.
2. Vary the RPM up and down from idle to 4,500 RPM and back to idle at 1-minute intervals for 20 minutes. Stop the engine and let it cool to the touch (< 40C).
3. Restart the engine. Vary the RPM from idle to 4,500 RPM at 1-minute intervals for another 20 minutes. Stop the engine and let it cool to the touch (< 40C).
4. Restart the engine and let it warm up (70C) for 10 minutes at a fast idle. Vary the RPM from idle to full throttle (no more than a few seconds) at 1-minute intervals for 20 minutes. Stop the engine and let it cool to the touch (< 40C).
5. Check the head nuts for the correct torque (9 Nm). This is very important. THEY WILL LOOSEN!

At this point, you can fly. Vary the throttle often during the break-in period.

DO NOT FLY AT FULL THROTTLE FOR MORE THAN A MINUTE UNTIL YOU HAVE RUN 10 LITERS OF GASOLINE THROUGH THE ENGINE.