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Dyna2000i Plug & Play Wiring for 03-04 Big Dog's

The standard Dyna Drawing is shown below for the dual-fire setup on 03-04 Big Dog's. Make sure you select dual fire setting on the module and set it to curve 4 for stock like performance.

Once you route the wires the connections are as follows. The 3 Pin Harness is eliminated just direct into the 4 Pin.

For Your 107" S&S Motor the basic settings should be the below. If you have any motor work done you can ask your tuner if the settings should be changed.

Switch 1 – OFF (VOES)

Switch 2 & 3 – ON/ON (TIMING CURVE 30 degrees/ Curve 4)

Switch 4 & 5 - OFF/OFF (Rev Limit – 6000RPM)

Switch 6 - OFF (Firing Mode – Dual Fire)

When Installing the cam sensor, to set the timing. Follow Dyna Standard Instructions:

### ! STATIC TIMING THE MOTOR

Remove the timing inspection plug. With the bike in high gear turn the rear wheel to get the crankshaft to top dead center on the **compression** stroke of the front cylinder (TDC mark aligned in the inspection hole). Removing the spark plugs will make it easier to turn the crank.

Rotate the 2000i to cause the status LED to turn off and on. Carefully follow this next instruction: find the point where the LED just **turns off** while rotating the base plate in a **clockwise** direction. Lock down the 2000i. The initial timing is now set close to optimum. Final timing may be checked and set dynamically to compensate for normal production tolerances in the timing rotor, camshaft indexing, flywheel marking, etc.

If the 2000i has to be rotated an extreme amount or does not have enough adjustment to bring the timing in, the engine may be on its exhaust stroke. Remove the ignition and observe the timing rotor. The timing pickup (near the switches) should be sitting in one of the windows with the ignition installed. The shorter distance to the other window should be **CLOCKWISE**. If not, rotate the crankshaft 1 revolution and check again.

<u>4 PIN JST Color Match</u>	
Dyna Wiring Colors	Big Dog Wiring Colors
White	Red
Green	Green
Pink	Yellow
Black	Add wire & ground direct to Battery/Frame
VIOLET NOT USED CUT & HEAT SHRINK	
BLUE NOT USED CUT & HEAT SHRINK	

