

TECH TIP

03 NGK Spark Plug

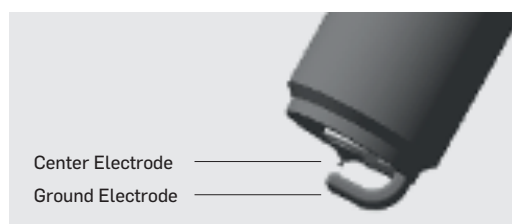
ROTAX
RACING

1 - SPARK PLUG FOULING

The following tips will help you to avoid misfire because of wet fouling of your NGK spark plug.

What is spark plug “fouling”?

A spark plug is “fouled” if there is no spark anymore between center electrode and the ground electrode. Possible causes can be either oil deposition due to bad combustion or excessive fuel in the combustion chamber because of a too rich mixture. The latter is called specifically wet fouling.



2 - MEASURES TO PREVENT SPARK PLUG FOULING

Start the engine as late as possible:

Long idling periods before leaving the starting grid will foul the spark plugs. Start the engine just before leaving the grid to grant a smooth running of the engine.

Don't blip the throttle on the pre-grid:

Try to maintain a steady load on the engine. This will avoid over fuelling and again reduce the risk of spark plug fouling. Blipping the throttle will disable a clean combustion and thus pollute the spark plug by means of oil sedimentation.

2 strokes need to change spark plugs occasionally:

The spark plug for 2 strokes is a wearing part. Change them regularly. Especially in rainy and cold conditions a change to a new spark plug before the race reduces the risk of fouling to a minimum!

