

2 Stroke Engine

Engine Will Not Start	
Ensure Fuel tap is ON and Ignition switch is ON	
Fuel level/stale fuel	Check condition and refuel as required
Correct fuel mixture	Check and replace if required. Ensure fuel and oil has been come from a known source and correct ratio used e.g.: 50:1 (50 parts petrol to 1-part oil)
Blocked fuel lines and filters	Check and clean as required
Water in fuel tank	Check and drain as required
Priming bulb not functioning correctly	Check function, replace if required
Carburetor blocked or damaged	Check and clean as required
Faulty ignition switch	Check, repair/replace if required
Spark plug	Check: <ul style="list-style-type: none"> - Condition - Function - Gap (check with feeler gauge if required) - Cleanliness

Spark Plug Discoloration Chart					
					
<i>Oil Fouled</i>	<i>Oil Fouled</i>	<i>Carbon Fouled</i>	<i>Too Cold</i>	<i>Too Cold</i>	<i>Cold or Rich</i>
					
<i>Cold or Rich</i>	<i>Cold or Rich</i>	<i>Ok</i>	<i>Ok</i>	<i>Ok</i>	<i>Ok</i>
					
<i>Better</i>	<i>Best</i>	<i>Better</i>	<i>Good</i>	<i>Good</i>	<i>Good</i>
					
<i>Ok</i>	<i>Ok</i>	<i>Slightly Hot</i>	<i>Hot or Lean</i>	<i>Hot or Lean</i>	<i>Hot or Lean</i>
					
<i>Very Hot or Lean</i>	<i>Very Hot or Lean</i>	<i>Very Hot or Lean</i>	<i>Very Hot or Lean</i>	<i>Very Hot or Lean</i>	

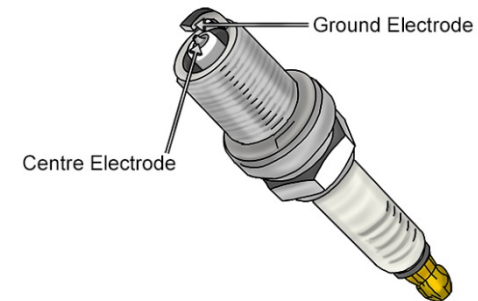
Engine Running Incorrectly or Misfiring

Faulty spark plugs	Check (as on previous page)
Fuel starvation	Check for blocked/kinked fuel lines/hoses/filters
Incorrect fuel mixture	Check (as on previous page)
Faulty wiring	Check loose/broken cables and connectors

Fuel Ratio Guide

Fuel/Oil Ratio	ml/litre	ml/5ltrs	ml/10ltrs	ml/20ltrs
40 to 1	25	125	250	500
45 to 1	22.2	111	222	444
50 to 1	20	100	200	400
55 to 1	18.8	91	182	364
60 to 1	16.7	83.5	167	334
70 to 1	14.3	71.5	143	286
80 to 1	12.5	62.5	125	250
90 to 1	11.1	55.5	111	222
100 to 1	10	50	100	200

Spark Plug Gap



Spark Plug Components

