

**Spark Plugs / Alternator**

Refer to wiring diagrams in this section for more information

Model	Alternator Output	Spark Plug	Plug Gap
1999 X-45	4 amp/50 watt @ 4500 rpm	BR9ES	.024 -.028 in. (.6 - .7 mm)
1999 Genesis	4 amp/50 watt @ 4500 rpm	BPR8ES	.024 -.028 in. (.6 - .7 mm)
1999 Genesis FICHT®	8.5 amp/110 watt @ 4500 rpm	Champion QC10PEP	.030 in. (.76 mm)

**Alternate Spark Plugs:**

For NGK BPR8ES, NGK BR9ES, or Champion RN2C  
For NGK BPR7ES NGK BR8ES, or Champion RN3C

**NOTE: Use only Resistor type spark plugs in all Polaris products**

**NOTE: Use only Champion QC10PEP spark plug in Genesis FICHT® .030" gap is critical!**

**CDI Box Identification**

Refer to wiring diagrams in this section for more information and stator resistance specifications.

Model	CDI Box ID #	Ignition Timing		
		Degrees BTDC	Inches	MM
1999 X-45	4010174	18° ±2@3000	.084	2.14
		13° ±2@6250	.044	1.12
1999 Genesis	4010174	18° ±2@3000	.084	2.14
		13° ±2@6250	.044	1.12
1999 Genesis FICHT®	N/A	N/A	N/A	N/A

\*Ignition timing specification for high RPM – Check at specified RPM (6250) *not* operating RPM.

**Ignition Timing on Genesis FICHT® is set at the factory and is controlled by the EMM. Timing cannot be changed or altered in any way on Genesis FICHT® personal watercraft.**

**CAUTION:**

**When replacing a CDI box on Genesis or X-45, it is *very important* to check timing. A new CDI box may be programmed slightly different than the one being replaced, causing ignition timing to be advanced or retarded too far.**