How to Read Spark Plugs to Diagnose Engine Troubles



	Damaged electrode Electrodes have been burned away, core nose has burned, glazed appearance. Pre-ignition. Check ignition timing and plug temperature value.
	Cracked or broken core nose Detonation or wrong way of setting electrode gap. Check ignition timing, cooling system, fuel mixture setting (too lean).
	Lead glazing Probably doesn't happen with unleaded fuel. Plug insulator firing tip looks yellow or green/yellow and shiny. Often caused by incorrect carburetor settings, excessive idling followed by sharp acceleration. Also check timing.



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