McCULLOCH

SERVICE BULLETIN # 1058A

MODEL ALL

DATE 7/8/59

SUBJECT SPARK PLUG PERFORMANCE

This Service Bulletin replaces Service Bulletin #1058.

While the Champion J8J spark plug will prove satisfactory for normal cutting conditions, extreme summer heat and prolonged cutting periods may require a cooler plug for best results. On the other hand, extreme cold may make the use of a hotter plug necessary. The following chart lists Champion spark plugs which may be used in McCulloch chain saw engines. Spark plugs hotter or coler than those listed are not recommended. Equivalent spark plugs made by other manufacturers are also listed.

Plug Size	Heat Range	Champion	AC	Auto-Lite
14mm	Hotter	J11J	M46	A9X
	↕	J8J	M45	A7X
		J7J	M44	A5X
	Colder	J6J	M43	A3X
Severe Operating Conditions		HO-3		

The above recommended spark plugs are for use in two-cycle engines and are designed to provide easy starting and smooth idling speeds. The use of automotive-type spark plugs will result in the loss of both of these advantages. The Champion HO-3 spark plug is specially designed to keep firing under severe fouling conditions and has a platnum-tipped center electrode which contributes to the life of the spark plug by resisting erosion.

To determine if a spark plug in an engine is hot or cold enough, remove the spark plug from the engine and examine the electrodes. A spark plug of the correct heat range will show brown to grayish-tan deposits around the electrodes. Wet, black and sludgy carbon deposits indicate the need for a hotter spark plug. Whitish deposits, blistered insulator nose and badly worn electrodes call for the use of a cooler plug.

Remember! A spark plug of the correct heat range can solve seventy-five percent of your ignition troubles.

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