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**Topic**

Recommended spark plugs for the vehicles equipped with aftermarket Edelbrock cylinder heads.

**Background**

Edelbrock cylinder heads are specifically designed for high performance use and are often interchangeable with original equipment cylinder heads.

Edelbrock recommends Champion RC12YC spark plugs be used with their cylinder heads but customers using them must advance the timing and adjust the air fuel mixture (i.e., rich) achieve proper combustion. The equivalent NGK spark plugs for these aftermarket cylinder heads are NGK FR4 or BKR5E.

**Issue**

The NGK FR4 or BKR5E spark plugs have more copper in the core of the spark plugs and remove more heat during start-up. This characteristic may cause gas-fouling issues and intermittent misses and may be worse in colder climates.

In addition, Edelbrock only specified the basic spark plug design specifications (i.e., 14mm threads, 5/8" or 16mm hex, and 3/4" or 19mm reach) and no actual heat range for the spark plugs.

**Solution**

For Edelbrock AM head applications, NGK recommends R5672A-(X) series spark plug, where (X) corresponds to the heat range for the spark plug. Depending upon factors such as compression ratio and horsepower of the engine, begin with heat range 8 then progressively move up to 9 or 10. There is no need to advance the timing or use a rich air fuel mixture with these plugs and customers can simply use 94 octane fuels while making adjustments for local humidity levels.

**Additional information**

The above information only applies to specific Edelbrock cylinder heads that recommend the use of the Champion RC12YC. Please refer to the manufacturer's product manual for the correct spark plug specifications when selecting your aftermarket cylinder heads.

