

MODEL A

Modern Valve Set

Finally a totally upgraded valve and guide set from Performance Engineering for use in all Stock, Performance and Racing Model A Engines! Utilizing the original design of the Model A valves and guides, these sets have been re-engineered and fully upgraded to deliver optimum performance with lower wear characteristics and greater extended life compared to anything else on the market !



This was achieved by modifying some of the stock dimensions on the valve head and 45 degree face, as well as tightening up the tolerances on both valve and guide. Valve stem length was also modified to compensate for blocks that have been decked and different grinds of camshafts that may be used. The result is an increase in compression and improved valve sealing under all conditions.

The valves are manufactured using the same high quality stainless steel used in year 2000 and newer American, Japanese and European cars, including Supercharged and Turbocharged versions. They can easily endure 1,750 degrees of heat without damage or sacrificing performance. The guides are also upgraded by using today's corresponding version of high grade, wear resistant cast iron.

In addition, these valves have been "Tufftrided". This special surface treatment is used by Ford and some European car manufacturers. This treatment produces a wear, scuff, and seizure resistant surface, thus the valve stems will have increased wear resistance and improved oil retention while reducing friction.

Both valves and guides are precision machined using Modern High Tech CNC (Computer Numerically Controlled) machines by our ISO-9000 Certified Factory. This ensures a precision fit between the valve guide, engine block and valve stem. Our high tech CNC machinery also employs a special laser to monitor valve stem size and the 45 degree valve face angle of the valve during manufacture to ensure precision valve seating and stem-to-guide fit.

Each set will include 8 valves, 8 guides, 8 retainers and 16 keepers. The original valve spring set or a replacement set may be used. Valve guides look exactly like the original but are one piece construction and can be installed by hand without any special tools.



A-6505-M