

MEGA-FLO E80 SS1.1 port package

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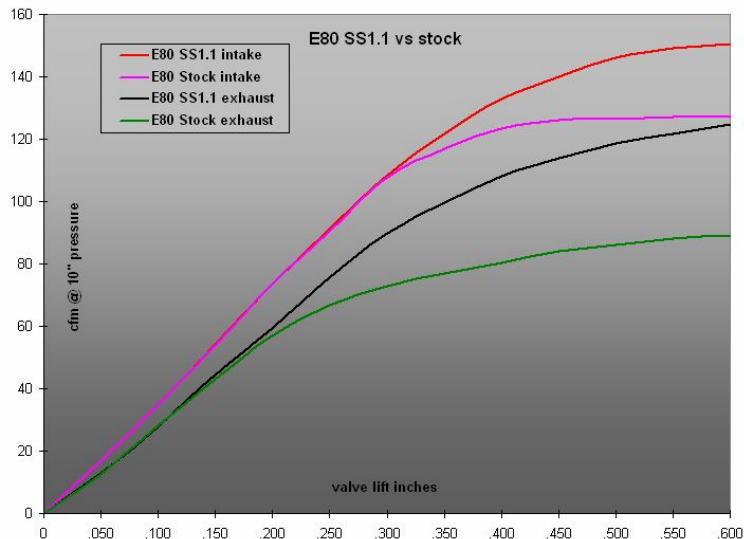
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Originally developed in the late 1980's, the E80 SS1.1 port package has proven to be the most popular package for the 80 inch Evolution big twin. It is an "initial refinement" port which involves the application of proprietary valve seat geometry and contour work to maximize air flow and velocity through the stock Evolution castings with cams thru .600 lift. Throughout the last 20 years this reasonably priced package has been proven to out perform many of the big valve, welded up mass produced heads on the market.



The E80SS1.1 package is performed to customer supplied stock castings and includes EV8 stainless steel valves, heat treated cast iron or bronze manganese guides and hi-lift valve springs. The ports are thoroughly contoured and proprietary multi-angle valve seat geometry is applied. The finished product is a completely blue-printed assembly. Manifold matching and decking are optional.



Nearly a 20% increase in peak flow rates on the intake side and 35% on exhaust create the potential for big power over the stock castings. When achieved through relatively small port cross section and stock sized 1.840" intake valves and 1.610 exhausts, the improved velocity yields better throttle responsiveness as well with no loss of low end torque potential. Since 1988 the E80 SS1.1 Port Package has been successfully used by 80" Evo owners to build peak RWHP ranging from the mid-70's to mid-90's in a true street application, depending on other aspects of their combinations (stock Evolutions would produce approx 48 RWHP).