

# Shelby 427 'Competition Cobra'

## CSX3000 Series Build Sheet



In 1965 Carroll Shelby was in a race against the clock to produce 100 completed 427 'Competition Cobras' to qualify as an FIA GT class manufacturer. Falling short of the requirement, Shelby put the project on hold. 50 years after the original project began, the Carroll Shelby Trust has elected to complete the remaining 34 Competition Chassis big block Cobras. Building the cars as true race cars, these Shelby 427 'Competition Cobras' are sold as a complete vehicle including an Iron 427 FE side-oiler engine. The CSX3000 series Cobra was built closely to the GT class specs used by Shelby American to compete for the 1966 FIA World Championship.

A portion of the sale from each Shelby 427 'Competition Cobra' (above and beyond fair market value) will be a tax deductible donation to aid in the construction of the Shelby Automotive Museum in Los Angeles, California. The Shelby Automotive Museum is a tax exempt 501(9)(3) non-profit public benefit corporation that was created to carry on the heritage of American racing, including Carroll Shelby's contributions throughout his life time.

Built by the Carroll Shelby Engine Company, the CSX3000 series Cobra is completed with a 429CID engine. It begins with a fully prepped vintage road race legal iron side-oiler 427 FE block with a 4.250" bore. Each of our complete engines are professionally assembled, balanced, blue printed, and Dyno tuned. This block produces 550 horsepower and 540 Ft. Lb. torque.

### ENGINE BUILD COMPONENTS

#### Block

Iron 427 FE Side Oiler Block  
4.250 Bore

#### Internal Components

Custom 3.78 stroke crank, 4340 forged steel  
Custom H-beam rods, 4340 steel with 8740 7/16" cap screws  
Mahle 4032 alloy pistons (pistons are custom to our spec.)  
8740 main studs and head studs  
Custom ground road race Mech. Flat tappet cam

#### Top End

Custom 4130 .083 wall 3/8 push rods  
Factory style rocker system with custom mods for racing  
Cylinder heads: Shelby aluminum heads.  
Reproduction aluminum 4 BBL intake manifold

#### External Components

Period correct custom Aviaid 8 quart road race oil pan  
Melling oil pump, high pressure/high volume  
Chrome pent roof valve covers  
New Holley 830HP double pumper  
Production distributor  
Shelby 'Signature' logo 8mm plug wires  
NGK racing spark plugs  
Aluminum timing cover  
Shelby aluminum high flow water pump  
Carter street strip fuel pump

### COBRA ROLLER BUILD COMPONENTS

#### Frame & Body

4" Diameter Round Tube Frame  
Hand Rolled Aluminum Body  
Powder Coated Driver Side Roll Bar  
Powder Coated 427 Side Pipes  
Custom Paint Options

#### Suspension

Four Wheel Independent Suspension  
Original Style Koni Coil-Over Shocks  
Front & Rear

#### Drive Train

Top Loader Transmission  
Original Style Cast Steel Rear End  
Cast Iron Bell Housing

#### Brakes & Tires

Original Style Gurling Disk Brakes  
Goodyear Eagle Racing Tires  
Original Style Magnesium Wheels

#### Interior

Original Style Smith Gauges  
Shelby Wood 15" Steering Wheel  
Leather Seats  
Carpeted Cockpit  
Map Door Pockets



### Sample Side Oiler Dyno Sheet

