



# Street Supercharging: Roots, Centrifugal & Twin Screw Superchargers (S-A Design)

By Pat Ganahl

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Once the limits of a naturally aspirated engine are achieved in terms of horsepower and reliability, there's only one more way to maximize horsepower potential: forced induction. There are two options for realistic forced induction, a turbocharger or a supercharger. While there is considerable debate over which is better, both offer exponential gains over any standard modification on a normally aspirated engine.

Written by supercharging expert Pat Ganahl, this book has been the guidebook for supercharging fans for years. As time and technology march on, updates are required to keep things current, and that's exactly what this new, all-color edition of Street Supercharging does. It covers blower basics, blower background and history, a tutorial on how blowers work, and information on used superchargers and their practicality. In addition, this title includes chapters on the different styles of superchargers, like the traditional Roots-style blowers vs. the emerging centrifugal styles, blower installation, how to build your engine to handle the demands of a blower application, and information on tweaking factory blower systems.

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### **Editorial Review**

#### **Review**

If you are considering superchargin or are simply interested in theory of this type of performance modification, Street Supercharging is a must read. --Performance in Motion, Summer 2009

Pat Ganahl's A Complete Guide to Street Supercharging has been the standard reference work for those looking to force-feed more air and fuel into their engine for more power. Now, thanks to CarTech Books, it's been updated with color pictures throughout, plus new info on centrifugal superchargers. ---Corvette Fever, reviewed by Scott Ross, January 2010

Invaluable to anyone interested in performance history or thinking about forced induction for a driver or race car. ---Muscle Car Review, November 2009

#### **About the Author**

Pat Ganahl is the author of several CarTech books, including definitive works on Ed "Big Daddy" Roth and Von Dutch. He is a life-long hot rodder and has been the editor of Street Rodder, Hot Rod, Rod & Custom, and The Rodder's Journal. He lives in Southern California.

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