



# THE *ULTIMATE* FLATHEAD FORD SUPERCHARGING KIT

The ultimate step in hot rodding the Flathead Ford is supercharging. The ultimate assembly is the Tom Roberts Designs/Magnuson supercharger kit which delivers complete driveability and neck snapping performance at an affordable price. The kit is complete and configured to be bolted onto any of the "big block" Ford Flathead engines. These parts are not intended for the Ford V8 60 engine. There are three distributors.

## Tom Roberts/Magnuson Supercharger Kit Distributors

Baron Racing Equipment  
19935 Redwing St  
Woodland Hills, CA 91364  
818-702-0043  
www.baronracingequipment.com

Magnuson Products  
1990 Knoll Dr.  
Ventura, CA 93003  
805-642-8833  
www.magnusonproducts.com

Tom Roberts Designs  
1646 Morse Ave #6  
Ventura, CA 93003  
805-644-8899  
tom@tr-designs.com



## Magnuson Supercharger

This is the Magnuson supercharger that launches your Flathead Ford into the 21st century. The entire package has been dyno tested and road tested for hundreds of hours on the Magnuson chassis dyno with Jerry Magnuson's own '29 Model A roadster pickup. If you want your supercharger polished to a chrome-like luster; simply order 10-12-44-001-PO.

**PART# 10-12-44-001**

## Magnuson Intercooler



None of the intercooler hardware is included in the TRDesigns Flathead Ford Supercharger Kit; however all components are available to install a complete intercooler assembly in manifold top 4002. A complete parts breakdown is available on request.

# Lower Manifold & Top Cover Options



## Lower Manifold

This is the base for the supercharger kit where the Magnuson supercharger plate bolts on as well as carburetor assemblies not associated with the Roberts supercharger kit.

**PART# 4001**



## Top Cover - for Magnuson Supercharger (No Intercooler)

This is the top manifold for installing a Magnuson supercharger.

**PART# 4005**



## Top Cover - for the Magnuson Intercooler

This is the top manifold for installing a Magnuson intercooler. The intercooler and related hardware is available directly from Magnuson.

**PART# 4002**



## Top Cover - for GMC 4-71, BM, or Weiand Superchargers

This is the top cover for mounting a GMC 4-71 04 6-71, B&M or Weiand supercharger to the lower manifold.

**PART# 4003**



## Top Cover - for four Stromberg 97 Carbs

This top cover can be used to bolt 4 Stromberg 97 carburetors on in place of running a supercharger. This hardware is available from Baron Racing Equipment.

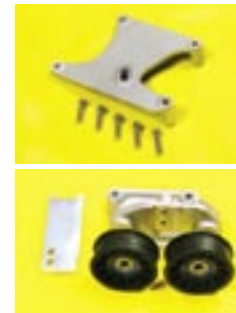
**PART# 4004**

# The Complete Kit

We've broken the kit down so you can see what you're getting and the choices you have. Unless you buy individual parts from the distributors; the kits will be shipped to you for your specific engine and chassis (59A/8BA and passenger car or truck). Included will be every nut, bolt and washer needed for assembly. You supply the information about what you have and what you want and any of the three distributors do the rest. The differences in the kits are the water pumps/engine mounts (passenger cars or trucks) and the pulleys (generator or alternator). **The complete supercharger kit bears part number 01-12-95-001 as cast and 01-12-95-001PO for polished components.**

## Optional Brackets & Supports

BRACKET/SUPPORT	PART#
Alternator Bracket	4012
Allows the fitment of a new 12 volt, 100 amp alternator (not part of the kit, see recommended accessories)	
Idler Manifold Bracket	4011
Blower Drive Support	4014



## Water Pumps - for most popular applications

Water Pumps/Engine Mounts on Flathead Fords and Mercurys, the water pumps also served as the engine mounts. This is why our Supercharger kits are custom built to suit your needs. (All belt systems are for serpentine setups)

### WATER PUMP APPLICATION

	PART #
<b>A</b> Early 59A Block Passenger (right) & Driver (left)	910-15593
<b>B</b> Late 8BA Block, Early Truck Mount Passenger (right) & Driver (left)	910-15592
<b>C</b> Late 8BA Block, Production Car Mount, Passenger (right) & Driver (left)	910-15594



## Custom Billet Pulleys - for most popular applications

PULLEY	PART#	PULLEY	PART#
Balancer	4020	Water Pump (2 ea) 59A block	4017
Crank Pulley	4016	Idler Pulleys (3ea) either block	89003
Crank Spacer	4018	Idler Spacer (3 ea) either block	4019
Water Pump (2 ea) 8BA block	4015	Tensioner (Gates)	38163





### Front Cover/8BA Style Distributor Plate

This front cover relocates the distributor to an upright position at the right (passenger) side of the block.

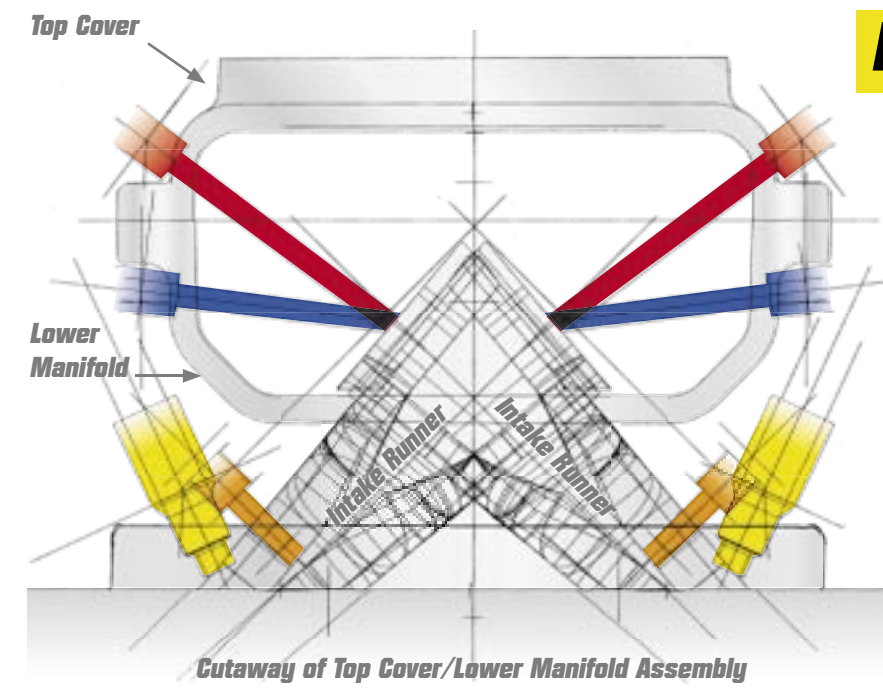
Front Cover: **PART# 5001** Distributor Clamp: **PART# 5002**



### Camshaft Gear Drive Hub for the 59A block

This heat treated steel gear hub is shipped with mounting hardware and detailed instructions for properly setting gear lash before the front cover is installed.

**PART# 5010**



## Fuel Injection Options

- Upper Runner Straight-Shot Nozzle Mechanical Injector (In Top Cover)
- Upper Runner 45-Degree Nozzle Mechanical Injector
- Lower Manifold 45-Degree Nozzle Mechanical Injector
- Lower Manifold 45-Degree Nozzle Electronic Injector

A properly tuned fuel injected Flathead Ford has to be experienced to appreciate! Throttle response is instantaneous and the torque off the line is addictive. The options include mechanical—straight shot—nozzles pointed down the center of the manifold runners. This hardware is available from Enderle or Hilborn. The second option accommodates stand-alone electronic injection with 45 degree nozzles which are well suited for the lower placement in the manifold. With a fuel injected Flathead Ford, tire smoke is a no cost (to us) option!

Cutaway of Top Cover/Lower Manifold Assembly



# Recommended Accessories

These components are not included with the kit but are recommended for optimal performance.

### NEW 12-V Alternator

The Alternator to use is the 1996-2000 CHEVY/GMC Truck (6 or 8 CYL)



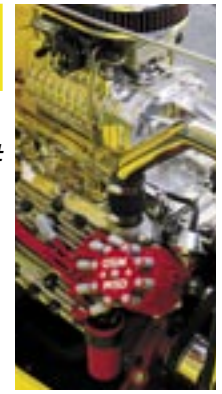
### NEW Holley 390 CFM Carburetor

New Holley 390 CFM Carburetor modified at the factory specifically for this supercharger kit. On the Magnuson chassis dyno and on the street, this carburetor has proven itself to be ideal for the application. Contact Magnuson directly on ordering instructions for the 390 CFM Holley Setup for the Flathead Ford Supercharger kit.

### Recommended Ignition Components

IGNITION COMPONENT	Magnuson PART#
MSD 6462 w Boost timing module	98-84-07-003
MSD 8573 Distributor <small>(Fits all 8BA or 59A blocks fitted with a '49-'53 front cover)</small>	98-84-05-003
MSD 31229 Flathead Ford 8.5 MM Spark Plug Wires fitted with 90° boots	Red: 98-84-09-003-RD Black: 98-84-09-003-BL
Accel 8mm Plug Wires w/90° boots (Accel Part#: 4041B)	

IGNITION COMPONENT	Speedway Motors PART#
Speedway Flathead Ford Electronic Distributor	910-1000
Speedway Motors Ignition	910-6200
Speedway Motors Coil	910-8223



## About Tom Roberts Designs

Tom Roberts' skills go far beyond the demands of building hardware for the Flathead Ford. His engine heads, blocks and gear-boxes have been instrumental to the world's most successful Indy cars, dragsters, off-shore racing boats and even some experimental aircraft. Tom's "one man band/do the paper work later" approach has endeared him to a vast number of winning racers .....John Thawley

### Creating a masterpiece



Each design is created using the latest CAD technology.



A CNC'd Alder wood pattern is then smoothed and perfected.



The final cast aluminum piece is then machined to perfection.



The Tom Roberts/Magnuson Supercharger Kit is designed to be a true bolt-on modification.

**Tom Roberts Designs**  
**1646 Morse Ave, #6**  
**Ventura, CA 93003**

**805/644-8899**  
**www.tr-designs.com**  
**E-Mail: tom@tr-designs.com**