

# FAB-TEK

*Willow Hill Ltd*



Vintage MGB built by FAB-TEK, now raced by Butch McKenzie

## Products & Pricing

**March 2016**

Visit us at [www.fast-mg.com](http://www.fast-mg.com)

No charge for quotes or consultation.

Parts shipped world wide.

**DISCLAIMER**

All FAB-TEK products & services are sold for off-road use only. Due to the intended off-road use & because FAB-TEK Willow Hill Ltd cannot control how parts are installed, serviced or used, there are no guarantees or warranties.

Racing is an inherently dangerous activity & should only be done by trained & skilled participants under supervised & controlled conditions. FAB-TEK Willow Hill Ltd accepts no responsibility for injuries sustained while using its products.

**Meet . . . Dave Headley, mastermind of FAB-TEK**

A degreed & practicing Mechanical Engineer for 35 years at General Motors, involved in engine development including the Quad 4, Ecotech 4 & Vortec In-Line 6.

Racing in SCCA since 1965, mostly with E-Production MGB's, but also ran Brabham & Brabota Sports Racers.

He was the 1990 SCCA National Champion with a Showroom Stock Quad-4 powered Oldsmobile Calais.

Visit our website at [www.fast-mq.com](http://www.fast-mq.com) for more information.

**FAB-TEK PRODUCTS & PRICING**

\* = plus core charges

**RACE ENGINES**

FAB-TEK race engines feature cylinder heads with fast burn-rate chambers & outstanding airflow for best-in-class power & torque. I use the latest piston & ring technology with billet rods & heat-treated cranks for excellent durability.

Prices for new engine builds start at \$ 3,950\* plus purchased parts & services.

Rebuilds start at \$ 2,445 plus purchased parts & services.

Initial teardown analysis is \$ 400.

Quotes are free.

**FULL RACE HEADS**

Feature fast burn chambers & excellent air flow. I only use premium light weight stainless valves, custom made manganese-bronze guides, titanium retainers & Isky springs.

A complete turnkey head is \$ 2,245\*. Domed chambers - add \$300.

Prices start at \$ 1,500 using all customer supplied components.

Also see manifolds.

**80/20 HEADS**

An 80/20 head is a prepared (street) performance head with 80% of the benefits of a full race head at 20% of the labor porting cost.

Price: \$350\* + parts

**RACING VALVE JOBS**

Including bowl blending

Price: \$ 275

**HARD VALVE SEATS INSTALLED**

- by the shrink fit method

Price: \$ 175 + parts

**VALVE TRAIN COMPONENTS**

- SPRINGS, \$ 195 per set or \$175 when installed
- TITANIUM RETAINERS, \$ 300 per set or \$295 when installed
- Mn-bronze guides, \$ 225 per set
- STAINLESS RACE VALVES, up to 1.72"/1.45" diameter.
  - \$ 230 per set for "off the shelf" sizing.
  - \$ 275 per set for custom sizing.
- 5/16" CHROME MOLY PUSH RODS, custom length, \$125 per set

**RACE CAMS**

FAB-TEK offers a family of camshaft lobe and timing variants to meet multiple engine operating needs. FAB-TEK cams are made by Delta Cams using a hard alloy welded lobe & ground to provide optimum base circle size.

Call for Free Consultation.

Price: \$ 295 (including lifters) + a useable cam core.

\* = plus core charges

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[fab-tek@live.com](mailto:fab-tek@live.com)

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### **HI-LIFT ROCKER ARMS**

The FAB-TEK racing rocker arms are 1.6:1 ratio. They are a light-weight steel design with needle bearing pivot & correctly contoured radius tip. They provide unmatched strength, durability & REDUCED reciprocating weight compared to available aluminum rocker arms. They have shown to be valve-tip friendly.

They require an adapter to be installed on your head & an oiling system in the rocker cover both installed by FAB-TEK. They also require adjustable push rods.

Price: \$ 945 – includes mounting on your head, reworked standard rocker cover & adjustable pushrods. Aluminum covers - add \$ 95.

### **1 3/4" S.U. CARBURETORS**

Race prepped & mounted on original (modified) twin carb manifold with air horns.

Price: \$ 545\* plus purchased parts

### **WEBER DCOE CONVERSIONS**

Available in 45mm or 48mm DCOE. Your carburetor set up with appropriate calibration for MGB.

Price: \$ 145 plus purchased parts.

### **INTAKE MANIFOLDS**

Your S.U. manifold filled & ported to match your head - \$ 245

Your (OE-MGB) SU manifold upgraded for 1 3/4" carbs. - \$ 265

Your DCOE Weber manifold ported to match your head - \$ 245

Your DCOE Weber manifold ported to match your head and enlarged to 48mm. - \$ 295

### **RACING EXHAUST HEADER SYSTEM**

Custom built for maximum top end power. 3 into 1 design with merge collector. Better than Tri-Y system above 6000 rpm.

Price: \$ 995 with exhaust - pipe

### **RACING OIL PANS**

FAB-TEK fabricates oil pans featuring excellent windage control & surge baffling without sacrificing ground clearance.

Price:

- wet sump \$ 435\* (\$325 w/o windage screen)

- dry sump \$ 595\*

### **DRY SUMP OILING SYSTEMS**

Featuring the efficient & reliable TDC gerotor oil pumps in either 1, 2 or 3 stage.

Prices:

1-stage pump \$ 525 (wet sump-external pump)

2-stage pump \$ 575

3-stage pump \$ 695

Pump mounting brackets \$ 225

Belt drive \$ 245

AeroQuip scavenge hoses \$ 95 each

Scavenge manifold \$ 225

\* = plus core charges

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**BRONZE OIL PUMP DRIVE GEAR** - \$ 235

**OIL FILTER BLANKING PLATE**

Provides up to 3 ports for plumbing oil coolers & remote mount filters.

Price: \$ 95 (AN10 fittings available @ \$10 each)

**ALUMINUM ENGINE BACK PLATES** - \$ 275 standard  
\$ 295 hybrid (special starter location)

**ALUMINUM FLYWHEELS** - \$ TBD

**WELDED SPIDER-GEAR (locked) DIFFERENTIAL**

Customers 3<sup>rd</sup> member cleaned, inspected & differential pinions welded to lock differential (spool type).

Price: \$ 295 (Request quote for setting up a new ring & pinion.)

**RE-ALIGNED BANJO AXLE HOUSING**

Stock factory housings are usually toed out which can create erratic handling. I can re-align your axle housing to provide up to 1/16 inch toe-in and up to 3/4 degree negative camber. (no cutting or welding)

Price: \$ 295\*

**HYBRID BANJO AXLE HOUSING**

converted to use tube axle bearings, brakes & shafts. Includes camber and toe set-up.

Price: \$ 395

**AXLE LOCATOR KITS**

The FAB-TEK axle locator kit provides simple low cost lateral axle location on lowered cars. The system is symmetrical & provides consistent handling in right & left turns (unlike a panhard bar)

Price: \$ 145 or \$225 when combined with a set of stacked lowering blocks.

**STACKED LOWERING BLOCKS**

FAB-TEK lowering blocks include plates of 1/8", 1/4", 3/8" and can be used in varying combinations to adjust corner weights or matched side to side.

Price: \$ 95 set of 8 or \$225 when combined with an axle locator kit.

**FAST RESPONSE TRACTION BARS**

These bars are designed to create an axle steer affect during cornering which eliminates roll oversteer & dramatically increases forward bite when accelerating out of corners.

Price: \$ 395\*

**DROPPED FRONT SPINDLES**

I will rework your spindles to lower the car one (1) inch. Also raises roll center & adds camber gain. Includes new king pin bushings reamed to size.

Price \$ 475\* (cores \$ 265)

\* = plus core charges

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**TUBULAR FRONT SWAY BAR KIT**

Includes mount blocks & linkage. 1" o.d. equivalent to 15/16" solid bar.

Price: \$ 475 (includes mounting hardware)

**ADJUSTABLE REAR SWAY BAR**

Desirable to improve handling balance with large front sway bars: 1/2", 5/8" or 3/4"

Price: \$ 395 (includes mounting hardware)

## PREMIUM RACE ENGINE COMPONENTS

For the do-it-yourself race engine builder.

The following major components can be custom ordered to meet your needs.

### PISTON & RING SETS

FAB-TEK has established an excellent ring source for racing. A forged piston design is available to utilize these rings which come in .25mm size increments. For example, 81.25mm bore diameter is 3.1988 inch, which is .040 over standard MGB. The FAB-TEK piston features lowered top ring position for clearance to exhaust valve notches. Piston sets include 4 pistons, rings, pins & retainers.

Price: \$ 745

BILLET CONNECTING RODS are only available for standard width MGB bearings.

Price: \$ TBD

### ROD BEARINGS

Price: Clevite 77 or King Tri-Metal Rod Bearings - \$75 set  
Vandervell VPI (NOS) - Inquire

### RACE CRANK PREP

- Nitride & Cryo. - Inquire
- Grind, polish, balance - Inquire
- Wedged "Aero" with counter weights - \$750

### PAYEN HEAD GASKETS

Provide superior cylinder sealing on high compression ratio (up to 16:1) engines.

Price: \$ 45

Note: Cometic MLS head gaskets – required for "big-bore" engines.

Price: Inquire

### HIGH STRENGTH CYLINDER HEAD STUDS & NUTS

Made by ARP, the fasteners allow higher head nut torque to improve gasket sealing.

Price: \$ 165 a set

### OTHER ITEMS

In addition to the many standard items listed previously, **FAB-TEK** can provide a variety of other custom ordered or fabricated parts for your racing MG. If you don't see it here, please ask. I take pride in providing services & parts in a timely manner. If I cannot do your job promptly, I will inform you up front.

I appreciate your business.

Sincerely, Dave Headley

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