



TABLE OF CONTENTS

About FAT Performance	5	Air Filter and Air Boxes	14
Complete Race Engines	4	Replacement K&N Elements	14
Crankshafts	5	Unifilter Foam Pre-Filters	14
Connecting Rods	5	Fuel System	14
Engine Bearings	5	Exhaust Systems, Ignition, & Cooling Systems	15
Crank Pulleys	5	Off Road Exhaust Systems	15
Crank Hardware	6	Spark Arresters	15
Flywheels & Adapter Kits	6	Street Exhaust Systems	15
Clutches	6	Ignition System	16
Engine Cases	6	Electrical System	16
Engine Case Hardware and Oiling System	6	Cooling System	16
Piston and Liner Kits	7	Engine Mounts and Hardware	17
Cylinder Shims, Spacers & Copper Gaskets	8	FAT VW Tools	17
Teflon Buttons	8	Drivetrain Components	18
Piston Pin Clips	8	Transmission Components	18
Total Seal Piston Rings	8	Drive Flanges	18
Hastings Rings	8	Rear Axle Components	18
Gaskets	8	Suspension Components	18
FAT Camshafts & Valve Train Components	9	Rear Arms and Suspension Components	18
Type I Camshafts	9	Trailing Arms	18
Type IV Camshafts	9	Miscellaneous Suspension Components	18
Rabbit Cams	9	Steering	19
Toyota Cams	9	Centerline Wheels	19
Cam Gears	9	Champion Bead Locks	19
Cam Followers	9	Inner Tubes	19
Valve Train Components	10	Miscellaneous Accessories	20
Heavy Duty Valve Springs	11	Throttle Cables	20
Valve Spring Shims	11	Shifter Parts	20
Valve Guides	11	Lights-Switches	20
Stock Valves	11	VDO Cockpit Gauges	20
Stainless Oversize Valves & Toyota Valves	11	Aeroquip Hose	20
Valve Seats	11	Hose End Fittings	20
FAT Cylinder Heads & Intake Systems	12	Fittings and Adapters	20
Cylinder Heads	12	Dzus Fasteners	21
Manifolds	12	Assembly Chemicals and Lubricants	21
Manifolds: Dual Carb	13	Dirt Digit Numbers	21
Dual Carb Kits	13	FAT Shirts	21
Carburetors	13	Machine Shop Services	22
Dual Carburetor Linkage	13	Ordering Information	24
Carburetor Parts	12		



fat **PERFORMANCE**



FAT is an unusual name for a unique company. Established over 20 years ago, the company was originally named Fleming and Aronson High Performance. We originally began as a VW street/drag engine and transmission shop. FAT has also been credited with the now famous "Cal Look" VW.

In the late 1970s, FAT PERFORMANCE began developing the VW engine for offroad applications. FAT engines have won more offroad races—both desert and short course — than any competitive engine builder. Our many collective years of hands-on experience and acquired knowledge, coupled with competitive drivers and quality equipment, have produced a very impressive win record.

There is no substitute for these developed skills. We incorporate them in each one of our products and services.

FAT is a major force in the development of the VW Type IV engine. From improved performance and longevity in the 411-Bus, adding needed power to the Porsche 914 and all-out offroad or road race engines, FAT can supply the parts and services needed. The Type IV is also a very popular kit car engine.



FAT PERFORMANCE HAS BEEN CREDITED WITH DEVELOPING THE FIRST "CAL LOOK" VW.



OWNED BY PARTNER RON FLEMING, THE FAT-BUILT "UNDERDOG" BECAME THE NHRA 1/8 RECORD HOLDER.



PARTNER GREG ARONSON DROVE "TAR BABE" TO AN 1/6 CLASS WIN AT THE 1973 WINTERNATIONALS.

More recently FAT has turned its attention to watercooled VW engines—first developing the VW Rabbit for offroad in 1982. With the introduction of the Toyota 16-valve, 4-cylinder engines, FAT developed parts and began dominating SUPER 1600 short course racing.

FAT PERFORMANCE is always ready to tackle a new engine project. Over the years, FAT has built a wide variety of engines including: VW; Toyota; Jeep and Ford 4-cylinder engines. Also, Toyota, Jeep, Porsche, and Chevy 6-cylinder engines and V-8s from Chevy, Ford and Mopar.

Throughout all the years, FAT has, and is always developing new parts for better performance. Therefore, we offer you our Performance Parts Catalog. We sincerely want to help you in making the correct decisions on complete engines or in selecting components that will outperform all others, rendering excellent service in the process.

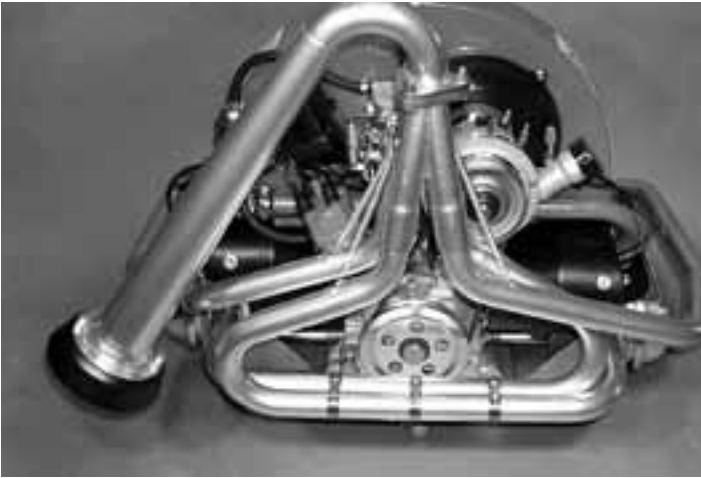
We hope this catalog will provide an easy, understandable guide to the parts and services we offer. If for any reason you need more detailed assistance or require technical advice, we stand ready to help in any way we can. Please don't hesitate to call!

Call (714) 637 2889



THE WATKINS/ARONSON BUGGY TOOK THE HDRA/SCORE CLASS 10 POINTS CHAMPIONSHIP IN 1987.

COMPLETE RACE ENGINES



CLASS 1/2/5 -1600

Built to take full advantage of SCORE limited class rules. These motors are built with a new case and heads, JE forged pistons, TOTAL SEAL rings, FAT Performance headers, new modified carburetor, alternator, blueprinted MELLING oil pump and Kennedy clutch and disc, just to mention a few of the quality parts used. All FAT motors are dyno-tested and race-ready upon delivery.



CLASS 10 - WATER-COOLED TOYOTA, VW & HONDA

Leading in the development of the water cooled VW, TOYOTA and HONDA engine for Off Road racing, FAT builds complete desert and short course water cooled racing engines. They are based on seasoned core blocks and heads completely remachined to our "Race Engine Specifications." These engines are fitted with our JE forged pistons, stainless steel valves, our own special cam grind and related valve train components, a FAT-developed Hi flow intake and exhaust systems all designed with maximum horsepower and torque as our primary goal. Each engine is complete with charging system, clutch and adaptor, and as with all our complete engines, comes dyno tested, ready to race.



TYPE IV MOTORS

FAT, a long-time leader in the development of the TYPE IV VW engine, offers a number of different engine combinations for various classes and applications. Some examples are, 2000cc Class 10, 3000cc Class 5 or our E-Production 914 road racing engine. All are based on quality components, many of them FAT-developed, such as our 5th stud cylinder and head modifications. Most combinations use our 911 fan conversion, a strong factor in our motor's ability to develop high horsepower and torque, while maintaining good oil and head temperature to ensure reliability under severe race conditions.

OTHER FAT ENGINES

FAT also offers many other combinations on request. Over years past, our air-cooled Class 10, 2180cc, short-course 2340cc engines, etc., have been very popular for racing or recreation. We also build Porsche 911 engines for any application. FAT Performance TYPE IV engines are often the choice of kit car and vintage 356 owners, who want a strong, reliable engine. In recent years FAT has been called on to build a wide variety of engines for many different applications, among these are Toyota 4AG, 2RZ, 3RZ, 1MZ-V-6 and Lexus V-8, Honda 4-cyl V-Tec, Ford 4 cyl & V-6, Chevrolet V-6 and V-8, also Jeep 4 and 6 cylinder.

So remember, for any VW, Porsche, Honda or Toyota engine, or any high performance application, call us for a quote.

ENGINE PARTS



CRANKSHAFTS

The following cranks are made from OEM forgings. Stroker cranks are Forged 4340 Chromoly steel. TYPE I cranks are doweled with 8mm SPG pattern.

- FL100** 69.5mm TYPE I crank offset ground (1/2/5-1600).
- FL100A** 69mm TYPE I crank 8 dowel-balanced.
- FL101** 69mm TYPE I counterweighted crank.
- FL102** 71.2mm TYPE I FAT-weight crank TYPE I rod journal.
- FL103** 78,82,84mm TYPE I Forged crank, VW or 2" Chevy journal.
- FL104** 71 mm 2.0 TYPE IV crank, (good used)
- FL104A** 71 mm 2.0 TYPE IV counterweighted crank.
- FL105** 78,80mm TYPE IV Forged crank 2.0 rod journal
- FL106** 80,82,84mm TYPE IV Forged crank Chevy journal
- FL110** TOYOTA 4AG, AF 42mm rod, New O.E.
- FL111** TOYOTA 4AG Stroker crank 1750cc 81.7mm stroke 42mm rod journal
- FL126** 86mm TYPE IV SCAT Billet Chromoly, Chevy journal.



CONNECTING RODS

FAT supplies OEM, reconditioned, balanced rods in matched sets of 4.

- FL140** Stock VW TYPE 1(12-1600) balanced
- FL141** Stock VW Type IV 1.7,1.8 balanced
- FL142** Stock VW Type IV 2.0 balanced
- FL142A** NEW OEM Type IV 2.0 rods

FAT SUPER RODS are magnafluxed, shotpeened, reconditioned, bored end to end, clearanced for stroke, SPS bolts installed and balanced.

- FL151** TYPE IV 2.0 SUPER ROD (exchange).
- FL153** RABBIT SUPER ROD for 1.6.
- FL154** TYPE IV 2.0 rod core charge (per set)

FAT Performance race rods are 4340 chromoly, most of H-beam construction, designed for TYPE I , TYPE IV & TOYOTA

- FL160** SCAT rods TYPE I, 5.352" VW rod journal

- FL161** SCAT-CB rods Type I & IV, 5.325" Chevy rod journal
- FL162** SCAT rods Type I, 5.5" VW or Chevy rod journal
- FL163** FAT rods TOYOTA 4AG H-beam
- FL164** FAT rods TYPE IV 2.0 H-beam
- FL169A** PAUTER RODS-Special Order
- FL169B** FAT rods TYPE IV 5.5" Chevy I-beam (for 86 stroke)

ENGINE BEARINGS

- FL170** TYPE I main bearings
- FL170A** TYPE I main bearing O.S.O.D.
- FL171** TYPE IV main bearings
- FL171A** TYPE IV main bearing .020 O.S. O.D.
- FL172** RABBIT main bearings.
- FL174** TOYOTA 4AG, AF main bearings
- FL174A** TACOMA Teflon coated main bearings
- FL175** TOYOTA 20,22R main bearings
- FL180** TYPE I rod bearings
- FL180C** TYPE I Teflon coated rod bearings
- FL181** TYPE IV 1.7,1.8 STD rod bearing
- FL182** TYPE IV 2.0 STD rod bearings
- FL183** RABBIT 1.6 rod bearings
- FL183A** RABBIT 1.8 rod bearings
- FL184** Porsche 912 rod bearings
- FL185** BUICK 2" rod bearings (Chevy journal)
- FL185A** BUICK 2" Teflon coated rod bearings (Chevy journal)
- FL186** TOYOTA 4AG rod bearings (42mm)
- TRD** TOYOTA 4AG Teflon coated rod bearings
- FL187** TOYOTA 20-22R rod bearing.
- FL190** TYPE I cam bearing with 2 thrust halves.
- FL191** TYPE IV cam bearing
- FL192** RABBIT cam bearing (for FAT modified head).
- FL195** TOYOTA 4AG thrust bearing set.



CRANK PULLEYS

Quality aluminum pulleys, degreed for easy timing.

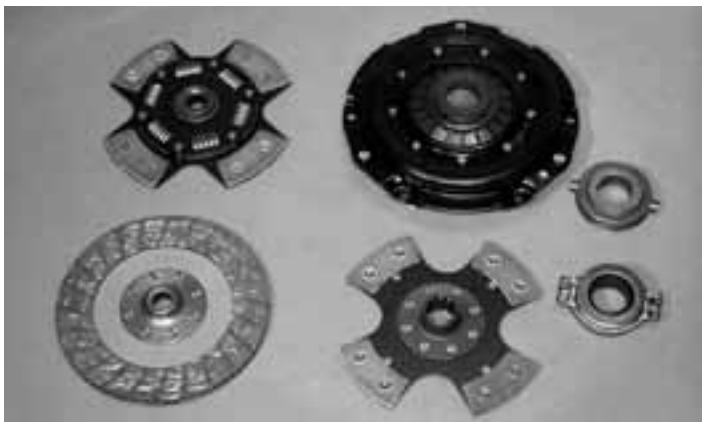
- FL200** TYPE I pulley (stock size).
- FL201** TYPE I power pulley.
- FL201A** TYPE I power pulley (small diameter)
- FL202** TYPE I pulley (stock size). Steel sleeve for sand seal.
- FL203** TYPE I power pulley. Steel sleeve for sand seal.
- FL203A** TYPE I power pulley - sleeved (small diameter)
- FL204** TYPE IV single pulley for FAT shroud kit.
- FL205** TYPE IV dual pulley for FAT shroud kit with power steering.
- FL206** TYPE I power steering pulley with bolt.
- FL207** TYPE I Dual pulley (PS & small diameter) with bolt & washer
- FL208** DAYCO- GOODYEAR belts. Available by size
- FL208A** OEM belt. Available by size
- FL209** Serpentine belt. Available by size
- FL210** FAT Degree ring 4-7/16" O.D.
- FATPP** TOYOTA 4AG power pulley

CRANK HARDWARE

- FL220** TYPE I timing gear.
- FL221** TYPE IV timing gear.
- FL222** RABBIT timing gear—early.
- FL222A** RABBIT timing gear—late.
- FL223** TYPE I and TYPE IV brass distributor drive gear.
- FL224** TYPE I and TYPE IV crank spacer (H.D.)
- FL226** 8mm stock DOWEL pin
- FL227** 8mm x 3/4" DOWEL pin
- FL228** 11/32 x 3/4" DOWEL pin
- FL231** FAT C/M gland nut with heavy duty washer.
- FL233** Heavy duty TYPE IV flywheel bolts. (5)
- FL234** Heavy duty RABBIT flywheel bolts.(6)
- FL235** TYPE IV and RABBIT pilot bearing
- FL236** TYPE I long pulley bolt for power steering.
- FL237T** TOYOTA 4AG.AF flywheel bolts (8).
- FL237GF** TOYOTA 4AG,AF pilot bearing, adapter & seal.
- FL239** TYPE I Flywheel shim.
- FL239A** TYPE IV Flywheel shim.

FLYWHEELS & ADAPTER KITS

- FL240** TYPE I 12 volt-200mm stock-surfaced.
- FL241** TYPE I 12 volt-200mm lightened, 11 lb. balanced, 8-8mm pins, SPG pattern.
- FL242** TYPE IV 12 volt-200mm stock weight for TYPE I clutch.
- FL243** TYPE IV 12 volt-200mm lightened 12-13 lb., balanced.
- FL244** TYPE IV 12 volt-215mm 914 flywheel.
- FL245** RABBIT adapter flywheel 12 volt-200mm (stock weight).
- FL246** RABBIT adapter flywheel 12 volt-200mm lightened and balanced.
- FL249** RABBIT adapter kit. Allows installation of RABBIT engine to VW TYPE I or TYPE II transaxle. Supports engine with cast aluminum plate at the stock 15° angle or straight up. Kit includes all the necessary hardware and flywheel. Accepts 200mm VW clutch.
- FL250** TOYOTA adapter kit. Allows installation of TOYOTA 4AG, 4AF motor to VW transaxle. Kit includes all necessary hardware to accept 200mm VW clutch.

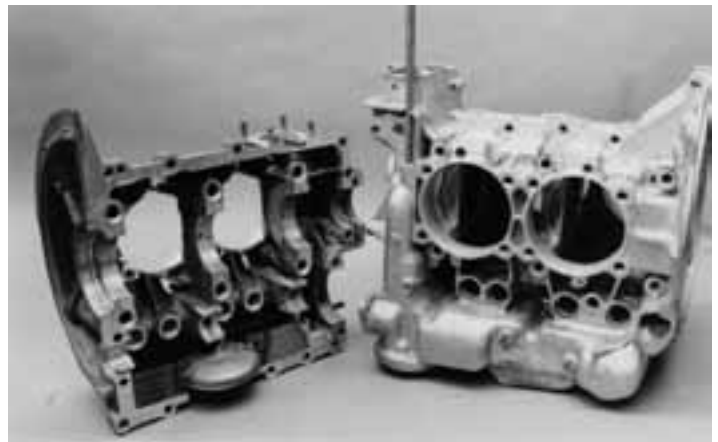


CLUTCHES

FAT utilizes F&S clutch components & Kennedy Engineered Products for all VW and PORSCHE applications.

- FL260** F&S 200mm pressure plate (Brazil).
- FL260A** KEP 200mm Aluminum pressure plate
- FL261** KEP 200mm Stage I pressure plate
- FL262** KEP 200mm Stage II pressure plate
- FL263** KEP 200mm Stage III pressure plate
- FL264** F&S 215mm 914 pressure plate.
- 025141025** F&S 228mm pressure plate (stock)
- FL266** KEP 228mm Stage II pressure plate
- FL266A** KEP 228mm Stage III pressure plate

- FL270** F&S 200mm spring hub disc (Brazil).
- FL271** F&S 200mm spring hub disc (German).
- FL272** F&S 215mm 914 spring hub disc (German).
- FL272A** KEP 215mm Stage II pressure plate (914)
- FL275** 200mm 4-puck Quick-Loc disc VW spline
- FL275A** 200mm 4-puck Quick-Loc disc HEWLAND-G50 spline
- FL275B** 200 to 228mm 6-puck Quick-Loc disc All splines
- FL276A** 215mm 4-puck Quick-Loc disc VW spline
- FL278** 200mm Cush-Loc VW disc
- FL278A** 215mm Cush-Loc disc 901 -914
- FL278B** 228mm Cush-Loc disc VW spline
- FL279B** 228mm 4-puck Quick-Loc disc HEWLAND spline
- FL279C** 228 mm 4-puck Quick-Loc disc VW spline
- FL280** Throw-out bearing early VW through 1970.
- FL281** Throw-out bearing late VW from 1971 and later.
- FL282** Throw-out bearing 914,912, and 911 up through 1969.



ENGINE CASES

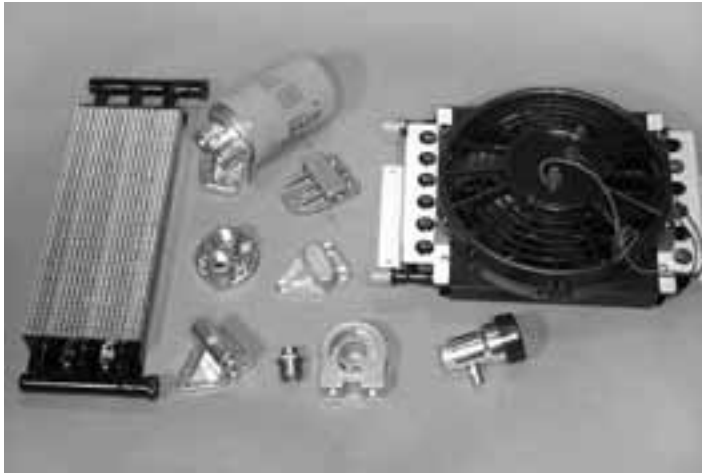
FAT uses new OEM mag & new Aluminum cases for TYPE I engines. Brazilian.

- FL290** TYPE I case Mag (stock) 8mm studs
- FL290A** TYPE I case Aluminum. 8 or 10mm studs
- FL291** TYPE I case for 1/2/5-1600, Includes 10mm inserts, oil squirters, wind age modification, cut for seal, plugged and tapped for full flow.
- FL292** TYPE I case. Aluminum, Same as FL 291. Also clearanced for maximum stroke, bored to customer specifications.
- FL295** TYPE IV VW case. Clean used OEM case, STD main journals (may need align bore), inspected for wear or damage.
- FL296** TYPE IV VW case modified. Bored 103mm, decked,clearanced for stroke and pistons, oil galleys tapped and plugged, 5th studded with gussets.

ENGINE CASE HARDWARE AND OILING SYSTEM

- FL300A** TYPE I C/M dual port head stud kit, 8mm with ARP washers
- FL302** TYPE I C/M dual port head stud kit, 10mm with ARP washers
- FL302A** TYPE IV C/M long head stud kit, 10mm with ARP washers
- FL303** TYPE I engine nylon lock nut kit.
- FL304** TYPE I MELLING cast iron oil pump 25mm gears.
- FL305** TYPE I MELLING cast iron oil pump 25mm gears, blueprinted.
- FL306** TYPE I EMPI cast iron oil pump 30mm gears.
- FL306A** TYPE I MELLING cast iron oil pump, 30mm gears
- FL307** TYPE I EMPI cast iron oil pump 30mm gears, blueprinted
- FL307A** TYPE I MELLING cast iron oil pump 30mm gears, blueprinted
- FL308** TYPE IV heavy duty cast iron oil pump modified and blueprinted.
- FL308A** TYPE IV heavy duty cast iron oil pump. modified, blueprinted and O-Ringed
- FL309** TYPE I full flow cover (cast iron).
- 3030-10** TYPE I oil pump with filter mount & pressure relief.
- FL310** RABBIT MELLING cast iron oil pump.
- FL311** RABBIT MELLING cast iron oil pump with windage modification.
- FL312** RABBIT 5 quart oil pan for use with pump FL 311.

- FL315** TYPE I & IV oil cooler bypass.
- FL316** TYPE I & IV oil cooler adapter.
- FL317** TYPE IV oil filter bypass (for use with FL 316).



- FL318** TYPE IV oil filter block off (for full flow system).
- FL319** TYPE IV oil filler block off plate.
- FL320** TYPE IV fuel pump block off plate.
- FL321** Oil cooler adapter. Sandwich plate between stock filter base and filter.
- FL322** RABBIT full flow adapter with 2-8 fittings.
- FL323** Remote filter base.
- FL324** 3/8 pipe to 1/2" hose barb.
- FL325** -8 straight to 3/8 pipe adapter
- FL326** -8 90° to 3/8 pipe adapter
- FL327** RABBIT oil filter.
- FL328** HP1 FRAM oil filter. High-performance filter.
- FL329** TYPE I EMPI Billet oil filler & cap
- FL330** TYPE IV oil filler (for use with FAT upright shroud kit #CS 780).
- FL331** Oil cap (TYPE I, TYPE IV and RABBIT).
- FL031** TYPE IV full flow adapter. Fits instead of filter.

PERMA COOL oil coolers use a patented inner finned tube to maximize the cooling effect.

- FL332** PERMA COOL cooler. 1 -1/2" x 8-1/2" wide x 21" long.
- FL333** PERMA COOL cooler. 1 -1/2" x 6-1/2" wide x 18" long.
- FL337** K&N breather assembly. Chrome steel for push on 1/2" hose with K&N element and hood with mounting bracket.
- FL337A** K&N breather assembly. Same as FL337 but cast aluminum base with 3/8 NPT holes for fittings.
- 3043** BUGPACK breather box kit
- FL339** PERMA COOL remote thermostat. 3/8 NPT ports
- FL340** TYPE IV long dipstick. For use with long dipstick tube installation.
- FL340A** TYPE I long dipstick
- FL340B** TYPE IV long dipstick tube
- FL341A** EMPI oil cooler with fan and thermostat fan control
- FL342** TYPE I oil strainer.
- FL343** TYPE I oil strainer plate.
- FL344** TYPE IV oil strainer.
- FL345** TYPE I oil pressure relief set. (dual).
- FL346** TYPE IV H/D 1/2" case thru bolts.
- FL347** TYPE IV oil sump extension.
- FL348** TYPE I & IV windage plates
- FL349** BUGPACK dry sump pump.
- FL349A** AUTOCRAFT dry sump pump.
- 50020** SCAT TYPE IV 1-1/2 qt. oil sump.
- 411W** TYPE IV-914 windage tray seals (each)

PISTON AND LINER KITS

Pistons and liners come complete with rings, pins and clips (in sets of four). The following kits are for TYPE I



- PL350** 85.5mm cast piston MAHLE
- PL352** 85.5mm forged piston MAHLE
- PL353** 87mm cast piston MAHLE
- PL354** 87mm forged piston MAHLE.
- PL355** 88mm forged piston MAHLE (machining required).
- PL356** 90.5 x 69 stroke forged MAHLE (machining required).
- PL357** 90.5 x 82 stroke forged MAHLE (machining required).
- PL358** 92 x 69 stroke forged MAHLE (machining required).
- PL359** 92 x 82 stroke forged MAHLE (machining required).
- PL362** 94 x 69 stroke forged MAHLE (machining required).
- PL363** 94 x 82 stroke forged MAHLE(machining required).

The following kits are for TYPE IV.

- PL372** 93mm 1.8 (China).
- PL374** 94mm 2.0 (Brazilian). TYPE II
- PL375A** 94mm 2.0 914, Euro. German
- PL376** 96mm 1.7, 1.8 CAST (1.7 head requires machining)(China).
- PL377** 96mm 2.0 CAST (China).
- PL377A** 96mm 2.0 JE forged pistons, liners & rings. .
- PL378** 102mm Nicosil cylinder & JE piston set (custom order).
- PL378A** 104mm x 71mm stroke CAST piston, cylinder set (China).
- PL380** 104.5mm 22mm pin JE piston & cylinder set.
- PL383** 104.5mm 75mm stroke JE pistons & 24mm pins only.
- PL384** 104.5mm 22mm pin JE pistons & pins only
- PL385** 105.2mm 22mm pin JE pistons & pins only

The following kits are for other engine types.

- PL1600** JE 85.5mm TYPE I pistons & pins only (1/2/5-1600)
- PL390** JE RABBIT forged pistons & pins
- PL400** JE TOYOTA 4AG 82.5mm pistons & 19mm pins
- PL403A** JE TACOMA 96mm pistons & pins
- PL405** JE TYPE IV-914 Domed pistons & pins (special order)
- PL911** JE 911 PORSCHE pistons & pins

CYLINDER SHIMS, SPACERS & COPPER HEAD GASKETS (SET OF 4)

- CS350** 85.5, 87mm shims (assorted sizes)
- CS360** 90.5, 92mm shims (assorted sizes)
- CS362** 94mm shims (assorted sizes)
- CS370** TYPE IV shims STD cylinder (assorted sizes)
- CS380** TYPE IV 103mm shims (assorted sizes)
- CS380103** Blanchard ground spacers (custom order)
- CS380TH** Blanchard ground spacers THICK (custom order)
- HG350** 90.5,92,94mm TYPE I copper head gaskets .040,.060 (specify)
- HG360** 96mm TYPE IV copper head gaskets .040,.060 (specify)
- HG370** 104,104.5mm TYPE IV copper head gasket .060 (specify)

TEFLON BUTTONS

- TB391** Teflon buttons TYPE I 85.5mm
- TB392** Teflon buttons TYPE I 87mm
- TB393** Teflon buttons TYPE I 90.5mm
- TB394** Teflon buttons TYPE I 92mm
- TB395** Teflon buttons TYPE I 94mm

PISTON PIN CLIPS

- PC350** 22mm TRU-ARC clips (8)
- PC350S** 22mm SPIRAL-LOCK clips (8)
- PC380** 24mm SPIRAL-LOCK clips (8)
- PC380T** 24mm TRU-ARC clips (8)
- PC385** JE wire locks (8) specify size



TOTAL SEAL PISTON RINGS

FAT offers a full line of TOTAL SEAL ring sets. TOTAL SEAL rings have a patented GAPLESS second ring .

- TF350** TOTAL SEAL full ring set. TSF 4 cylinder.
- TF390** TOTAL SEAL full ring set. TS1 4 cylinder.
- TF3906** TOTAL SEAL full ring set. TS1 6 cylinder.
- TG350** TOTAL SEAL gapless only ring set. 4 cylinder.

HASTINGS RINGS

FAT offers rings for our JE forged racing pistons.

- SP378** HASTINGS ring set. 4 cylinder.



GASKETS

- GA310** TYPE I engine gasket set. 1600cc. with flywheel seal
- GA311** TYPE IV engine gasket set. 1.7.
- GA312** TYPE IV engine gasket set. 1.8-2.0.or 2.0 914
- GA313** RABBIT lower gasket set. Complete less head, intake and exhaust gaskets.
- GA314** RABBIT head gasket. Up to 81 mm bore 1.6 -1.7.
- GA315** RABBIT head gasket. 82mm to 83mm bore. 1.8-2.0
- GA316** TYPE I dual port gasket.
- GA316A** TYPE I dual port gasket. FAT 10 port.
- GA317** TYPE I dual port gasket. For use with welded large port heads.
- GA318** TYPE IV intake gasket. 1.7,1.8,2.0 universal bolt pattern.
- GA319** RABBIT intake gasket.
- GA321** Carburetor to manifold gasket. 44 IDF WEBER.
- GA321A** Carburetor to manifold gasket. 48 IDF WEBER.
- GA322** Carburetor to air filter gasket. WEBER IDF, DELLORTO DRLA.
- GA323** Carburetor to air filter WEBER DCOE
- GA326** FAT air box to stack gasket.
- GA327** 1-5/8 exhaust gaskets. For TYPE I
- 1883** CB 1-5/8 TYPE I copper exhaust gaskets (4)
- EX411** TYPE IV stock copper exhaust O-ring
- EX911** 911 exhaust gasket
- EX911M** Modified 911 exhaust gasket
- GA328** RABBIT exhaust gaskets (set of four).
- GA329** TYPE I flywheel seal. High heat silicone.
- GA330** TYPE I pulley seal
- GA331** TYPE IV front crank seal.
- GA332** TYPE I flywheel O-ring.
- GA333** TYPE IV flywheel O-ring.
- GA334** TYPE IV flywheel seal. High heat VITON.
- GA335** TYPE IV VITON push rod tube O-rings (set).
- GA336** TYPE I Valve cover gasket.
- GA337** TYPE IV Valve cover gasket.
- GA338** RABBIT Valve cover gasket.
- GA338T** TOYOTA Valve cover gasket.
- GA339** TOYOTA 4AG gasket set.
- GA340A** TOYOTA 20,22R gasket set.
- GA341** TOYOTA 4AG TRD HP head gasket.
- GA343** TYPE IV oil strainer kit.
- GA344** TYPE I oil strainer kit.
- GA345** TYPE I, TYPE IV Late oil cooler seal.

FAT CAMSHAFTS & VALVE TRAIN COMPONENTS

FAT has the ability to choose the proper cam for your particular application. This is a result of countless hours of testing both on our in-house STUSKA dynamometer and in the field. The cams we choose for our motors produce a broad torque hand. High RPM horsepower without torque is not the name of the game. There has to be a good balance between the two. All of our cams are ground on new billets. We recommend using our matched cam followers with proper heat treat to insure maximum life.

TYPE I CAMSHAFTS

The following camshafts are designed for use with VW 1.1 to 1 rocker arms. The lift specifications listed below are at the valve.

- FC400** .430" Lift - 274° duration. Our mildest cam available. Good for engines with limited cc's, low compression and minimal carburetion. Produces excellent torque at low RPM with good throttle response.
- FC410** .430" Lift-284° duration. Probably the most popular and best all around cam for a VW street car single or dual carb with near stock or ported heads up to 2000cc. Also works well with larger heads.
- FC411** In. .442" Lift - 284° duration. Ex. .424" Lift - 274° duration. Our proven dual pattern cam for class 9 (Challenger) race engines. Produces incredible torque and horsepower throughout the entire RPM range.
- FC415** In. .450" Lift - 290° duration. Ex. .430" Lift - 284° duration. Our proven dual pattern cam for 1/2/5-1600 race engines. Produces incredible torque and horsepower throughout the entire RPM range.
- FC420** .460" Lift - 294° duration. Excellent cam choice for Off Road motors 1600cc and larger with headwork compression and larger valves. Also good for low compression larger cc motors.
- FC425** .470" Lift- 3010 duration. Good cam for single carb motors above 2000cc with headwork. Also good for large displacement engines with dual carburetors.
- FC430** .502" Lift - 309° duration. This is an excellent cam for large displacement single carburetor Off Road engines with big heads and more compression. Also good for large displacement street cars with dual carburetors.

TYPE IV CAMSHAFTS

- FC440** New stock 411 and 914 replacement.
- FC440H** New stock 411 and 914 replacement. Hydraulic.
- FC440HP** .400" lift - 260° duration. Mild performance application for fuel injection for use with solid lifters.
- FC440MP** .413" lift - 258° duration. Ex. .405" lift - 270° duration
- FC441** .391" Lift - 270° duration. Good for small displacement, carbureted engines.
- FC441N** .462" Lift - 270° duration. Works good in 1700cc to 2000cc engines with carburetion. Not recommended with fuel injection.
- FC442** .465" Lift - 280° duration. Good for street car with dual carbs for 914. Also good for pre-runner or small Off Road motor upto2400cc.
- FC442H** Same application as FC 442 in Hydraulic
- FC443** .507" Lift - 290° duration. This cam is popular for its broad power band. Works best in larger engines with headwork and extractor exhaust. This is a popular choice for our single and dual carb Off Road engines above 2300cc. Will also work great for larger displacement dual carb engines.
- FC444** .448" Lift- 286 duration. This cam is good for hotter mid size displacement street or off road engines.
- FC445** .495" Lift - 302° duration. This cam works excellently with more cc's and where top end horsepower is needed on smaller motors. Slightly smaller base circle on this grind for better clearance.
- FC446** .502" Lift - 308° duration. Good power with large displacement engines.
- WEBT4** Webcam T-IV camshafts. Various grinds available.

RABBIT CAMS

- FC450** European GTI cam. This is an excellent cam for street RABBITS and SCIROCCOS with the CIS fuel injection. Produces good torque with smooth idle.
- FC451** .430" Lift - 280° duration. 102° lobe center. This grind works great in street cars with carburation and headwork. (SPECIAL ORDER BASE CIRCLE).
- FC452** .430" Lift - 301° duration. 102° lobe center.
- FC453** .460" Lift - 304° duration. 102° lobe center.
- FC455** .480" Lift - 312° duration. 102° lobe center.

TOYOTA CAMS

- FC028** TOYOTA 4AG .406" lift 2910 duration
- FC218** TOYOTA 4AG .418" lift 301 "duration
- FC260** TOYOTA 4AG .330" lift - 260° duration
- FC270** TOYOTA 4AG .330" lift - 270° duration
- FC280** TOYOTA 4AG .342" lift - 280 duration
- FC304** TOYOTA 4AG .343" lift - 304° duration
- FC426** TOYOTA 20,22R billet cam. Various grinds available per application.

CAM GEARS

- FC460** TYPE I gear.
- FC461** TYPE I adj-a-gear.
- FC462** TYPE IV cam gear (stock replacement).
- FC464** RABBIT adj-a-gear.
- FC464T** TOYOTA 4AG adjust-a-gear
- FC465** RABBIT timing belt.
- FC465TA** TOYOTA 4AG timing belt.
- FC466** RABBIT timing belt tensioner
- FC466A** TOYOTA 4AG timing belt tensioner.
- FC468** TYPE I Straight cut gears (steel)
- FC469** TYPE IV Straight cut gears (steel)

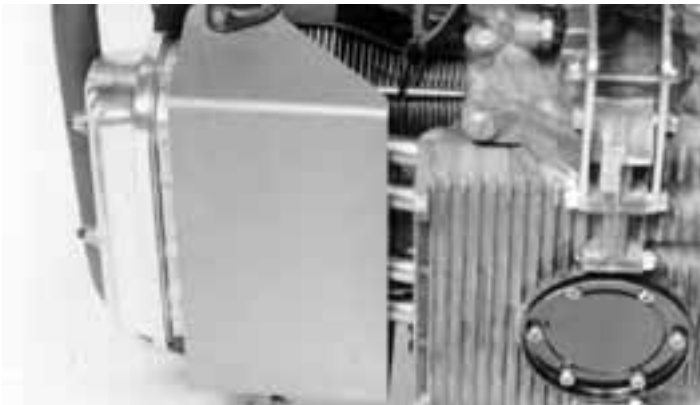
CAM FOLLOWERS

- FC470** TYPE I cam followers. (SCAT)
- FC470M** TYPE I cam followers. (MAHLE Brazil)
- FC472** TYPE IV (WEB CAM) hardened cam followers. A must with all new billet TYPE IV grinds.
- FC473** RABBIT valve adjusting pads.
- FC473R** TOYOTA 4AG valve adjustment shims (race).
- FC473T** TOYOTA 4AG, AF valve adjustment shims (stock).
- FC474** TYPE IV, 914 Hydraulic lifter (set) GERMAN.
- FC475** TOYOTA 4AG lite followers (1).
- FC475A** TOYOTA 4AG 31mm follower. (1)
- FC476** RABBIT lite follower 37mm diameter (1).
- FC477** RABBIT lite follower 35mm diameter (1).
- FC478** Lash cap for RABBIT lite follower. Grind to size.



VALVE TRAIN COMPONENTS

- VT480** Chromoly pushrod set long kit. (MANTON) .035"
- VT480A** Chromoly pushrod set long kit. (MANTON) .058"
- VT481** Chromoly pushrod set 10.800" (MANTON) .035"
- VT484** TYPE IV aluminum pushrods (tapered) (reconditioned)
- VT484S** TYPE IV aluminum pushrods, .080" short-tapered (reconditioned).
- VT485** TYPE I pushrod tubes zinc plated (8)
- VT485S** TYPE I Pushrod tubes zinc plated (8)
- VT485W** TYPE I Windage tubes (8)
- VT485E** EMPI O-ring TYPE I pushrod tubes (8)
- VT486** TYPE IV pushrod tubes zinc plated (1)
- VT486A** TYPE IV billet aluminum pushrod tubes (8) 1/2" longer
- VT487** TYPE I emergency pushrod tube



- VT488** FAT TYPE I pushrod tube protector. Fabricated from .080" aluminum. These are a must for all Off Road applications.
- VT489** TYPE I hardened rocker shaft kit. Precision ground shafts from heat treated 8620 alloy steel with oil grooves.
- VT489A** Hardened rocker shaft blocks for TYPE I
- VT490** TYPE I rocker arm thrust washer kit. Allows removal of stock wavy washers. A must with heavy duty springs.
- VT491** Genuine Porsche 911 adjusting screw.
- VT492** TYPE I heavy duty rocker assemblies with clearanced VW rockers, hardened blocks and 911 adjusting screws.
- VT493** TYPE IV rocker spacers. Machined 6061 aluminum sleeves to replace original thrust springs on rocker assemblies. These are a necessity with heavy duty springs.
- VT494** Heavy duty rocker stud for TYPE I. chromoly heat treated rocker stud.
- VT495** TYPE IV rocker assemblies with 911 Porsche adjusting screws and spacers (1 engine set).
- VT496** TYPE IV rocker stud, 10mm x 7mm OEM.
- VT496A** Heavy duty rocker studs for TYPE IV. 8mm
- VT497** TYPE I rocker geometry shim kit. Used for adjusting rocker geometry. Includes (4).060" (4).030", (4).015" shims.
- VT497A** TYPE IV rocker geometry shim kit.
- VT498** Lash caps. Hardened. 8mm stems (8).

- VT500** TYPE I valve covers. Heavy duty cast aluminum bolt on type with FAT logo. Kit includes C/M hold downs, O-rings, locknuts and washers.



- VT501** TYPE IV valve covers. Heavy duty cast aluminum bolt-on type. Kit includes stud type hold downs, O-rings, locknuts and washers. Must use 8mm rocker stud # VT496A (8)
- VT501A** T-IV-914 valve covers. Same as VT501 but STD hold down nuts & bolts.
- VT502** C/M TYPE I hold down studs (set of four).
- VT504** Hose barbs for breathers. 1/2" barb x 1/4 NPT.
- VT505** Hose barbs for breathers. 5/8" barb x 3/8 NPT.
- VT506** Valve cover O-rings. (set of four).
- VT507** Valve adjustment screws. Swivel ball type (8).
- VT508** BUGPACK 911 style adjusting screw (1)



HEAVY DUTY VALVE SPRINGS

- VT510** TYPE I Heavy duty single springs. Also good for TYPE IV
- VT511** FAT Conical springs
- VT512** Dual valve springs with approximately 160 lbs. @ 1.5" and 300 lbs. @ 1" Works well in TYPE I and TYPE IV. -Requires cutting guide bosses.
- VT512A** Dual valve springs for TYPE I or TYPE IV. Fo use where high lift up to .600" is required.
- VT513A** RABBIT racing dual springs. For use with .100" longer valve.
- VT514** Chromoly valve spring retainer. Used in all our VW TYPE I and TYPE IV race engines with springs.
- VT514A** TYPE I, TYPE IV BERG valve keepers. (set).
- VT514B** TYPE I, TYPE IV OE ground valve keepers. (set).
- VT514C** FAT Conical spring retainers.
- VT514K** MANLEY keepers for Conical retainers
- VT514T** TYPE I Titanium retainers.
- VT515** TOYOTA 4AG, AF heavy duty single springs.
- VT515D** TOYOTA 4AG dual valve springs
- VT516T** TOYOTA 4AG Titanium retainers.
- VT517** TOYOTA 4AG spring seat (dual)

VALVE SPRING SHIMS

- VT520** VSI shims .030", .060" single TYPE I springs.
- VT521** VSI shims .030", .060" dual TYPE I springs.
- VT522** VSI shims .030", .060" single TYPE IV springs.
- VT523** VSI shims .030", .060" dual TYPE IV springs.

VALVE GUIDES

- VT525** TYPE I valve guides. (TYPE IV intake)
- VT526** TYPE IV-914 2.0 exhaust guides 8mm or 9mm.
- VT527** TOYOTA 4AG silicone bronze guides.
- VT527R** TOYOTA 4AG TRD spec guide
- VT528** TOYOTA 4AG OE stem seal
- VT528R** TOTOTA 4AG TRD spec stem seal
- VT529** RABBIT stem seal



STOCK VALVES

- VT530** TYPE I intake 35.5mm 1600cc.
- VT531** TYPE I exhaust 32mm 1600cc.
- VT532** TYPE IV intake 37mm 2.0.
- VT533** TYPE IV intake 39.3mm 1.7,2.0 BUS.
- VT534** TYPE IV intake 41 mm 1.8.
- VT535** TYPE IV intake 42mm 2.0 914
- VT536** TYPE IV exhaust 33mm 1.7,2.0 BUS
- VT537** TYPE IV exhaust 34mm 1.8
- VT538** TYPE IV exhaust 36mm 2.0 914.

STAINLESS OVERSIZE VALVES AND TOYOTA VALVES

All oversize valves are stainless steel with hardened tip.

- VT539** TYPE I 32mm S.S. valve.
- VT539S** TYPE I 32mm S.S. valve (stock profile)
- VT539SI** TYPE I 35.5mm S.S. valve (stock profile)
- VT540** TYPE I 35.5mm MANLEY S.S. valve.
- VT541** TYPE I 37mm MANLEY S.S. valve.
- VT542** TYPE I 40mm MANLEY S.S. valve.
- VT543** TYPE I 42mm MANLEY S.S. valve.
- VT544** TYPE I 35.5mm S.S. valve.
- VT545** TYPE I 37mm S.S. valve.
- VT546** TYPE I 40mm S.S. valve.
- VT547** TYPE I 42mm S.S. valve.
- VT547A** TYPE I 44mm S.S. valve.
- VT548F** TYPE IV 38mm S.S. valve.
- VT548S** TYPE IV 36mm S.S. 2.0 914 9mm stem.
- VT548S8** TYPE IV 36mm S.S. valve. 8mm stem.
- VT549F** TYPE IV 48mm S.S. valve.
- VT549S** TYPE IV 42mm S.S. valve.
- VT549A** TYPE IV 44mm S.S. valve.
- VT550** RABBIT 40.5mm S.S. valve.
- VT550A** RABBIT 42mm S.S. valve.
- VT551** RABBIT 34mm S.S. valve.
- VT552** TOYOTA 4AG O-S intake valve S.S. 32mm.
- VT552SS** TOYOTA 4AG Stock size S.S. intake valve
- VT553** TOYOTA 4AG O-S exhaust valve S.S. 27.5mm.
- VT553SS** TOYOTA 4AG stock size S.S. exhaust valve.

VALVE SEATS

- VT556** Oversize valve seat TYPE IV exhaust 38mm.
- VT557** Oversize valve seat TYPE IV intake 48mm.

FAT CYLINDER HEADS & INTAKE SYSTEMS

Our cylinder heads are a significant part of the FAT magic. They are ported and polished, have hand-shaped combustion chambers, 3-angle valve job with silicon-aluminum-bronze valve guides and stainless steel valves. They are assembled with heavy duty single or dual springs and chromoly retainers. Combustion chambers CC'd when completed.

We can calculate and adjust compression ratio with combustion chamber size and make recommendations as to deck height for the proper ratio. Specify bore and stroke and usage when ordering.



CYLINDER HEADS

FAT does machine work, port-and-polish as well as valve jobs on all VW and Porsche 914, 356, 912 and 911 and TOYOTA cylinder heads.
(See MACHINE SHOP SERVICES)

- VT560** OEM dual port heads (Brazilian) bored & CC'd. SCORE legal 1/2/5-1600, C-M retainers.(complete)
- VT560ST** OEM dual port heads (Brazilian) same as VT560 but step cut. (complete)
- VT040** OEM dual port head bare (Brazilian)
- VT560C** OEM dual port SCORE class 9 (Brazilian)(complete)
- VT560S** Single port 1-1600 heads. SODA - CORR. legal
- VT561** 044 dual port 40mm x35.5mm, stock.
- VT563** 044 dual port 40mm x 35.5mm, light port and polished, heavy duty single spring, C-M retainers & stainless valves.
- VT564** Racing 044 dual port 40mm x 35.5mm, ported and polished. Oval ports.
- VT564B** Racing 044 dual port 42mm x 37mm, ported and polished. Big ports
- VT564C** Up-grade to VT564B Racemaster valves & Conical springs & retainers
- VT565** TYPE IV 1.7-1.8 heads 42mm x 36mm, light port and polished & heavy duty single springs, (EXCH).
- VT567** TYPE IV 1.8 heads 48 or 44mm x 38mm ported and polished.
- VT567A** TYPE IV 1.8 48mm x 38mm 2.0 plug location, ported & polished. 5th studed
- VT569** Racing 2.0-914 heads 48mm x 38mm 5th studed (EXCH)
- VT572** RABBIT big port race head 40.5mm x 34mm valves. Special porting and flow tested. Used in conjunction with Fat plenum manifold, PT# IS 613.



MANIFOLDS

- IS600** FAT TYPE I 1-5/8" manifold. Designed for use with a single WEBER IDF series carb on any TYPE I with dual port heads. Utilizes stock VW end castings. Made from 18-gauge mild steel tubing with mandrel bends and zinc-plated gold. Produces more horsepower and torque with improved throttle response. Perfect for any size engine in race or play vehicles. Supplied with support bracket, manifold boots, clamps and gaskets.
NOTE: We prefer the stock VW end castings as they are symmetrical inside, thus distributing equal volumes to each port.
- IS601** FAT TYPE I 1-3/4" manifold. Same as the part # IS 600 . but 1-3/4" diameter. Utilizes FAT modified VW end castings with 1-3/4" O.D. mouth (part # IS 604). Extends RPM range and produces more power at higher RPM. Excellent choice for larger cc motors.
- IS602** TYPE I OE dual port manifold center section. 1/2/5 1600 (legal) (modified)
- IS602A** TYPE I OE modified end castings (legal)
- IS603** 1-5/8" VW OEM end castings. Welded slots and large end ported to match manifold end. Sold in pairs.
- IS604** 1-3/4" VW OEM end castings. Welded slots and manifold tube. Matched ported on manifold end. Sold in pairs.
- IS605** TYPE IV single carb manifold, 1-1/2 tube on manifold ends.



- IS606** TYPE IV single carb manifold, 1-5/8 tube on manifold ends.
*Designed for use with WEBER IDF carbs. Made to fit with FAT fan shroud kit part #CS 780 supplied with manifold center section, end manifold, boots and clamps.
- IS607** RABBIT down draft manifold for motor mounted at a 15 angle (Cast Aluminum).
- IS610** Dampening kit for short course. Designed for down draft motor.
- IS612** Dampening kit for side draft.
- IS613** RABBIT race down draft manifold. (Plenum)
- IS614** Dual port 1600 hose kit
- IS614A** 30mm to 34mm carb adapter
- IS615** Replacement manifold hoses. 1-5/8" (sold in pairs).
- IS616** Replacement manifold hoses. 1-3/4" (sold in pairs).
- IS6LP** TOYOTA manifold late 4AG plenum single Weber IDF.
- IS617** FAT manifold plenum dampning kit (desert).
- IS619** FAT boost bottle kit
- IS619B** TYPE I 1600 carb brace

MANIFOLDS: DUAL CARB

- IS620** KADRON TYPE I manifolds—cast aluminum for dual port heads.
- IS621** KADRON TYPE IV manifolds—cast aluminum.
- IS622** WEBER-DELLORTO TYPE I manifolds—cast aluminum. Thick base for large intake ports. For IDF-DRLA carbs.
- IS623** WEBER-DELLORTO TYPE I manifolds—cast aluminum with jogged base for linkage line up. For IDF-DRLA carbs.
- IS624** WEBER-DELLORTO TYPE IV manifolds—cast aluminum for all TYPE IV heads.
- IS625** WEBER 48 IDA—TYPE IV manifolds. Cast aluminum for all TYPE IV heads.

DUAL KADRON CARB KITS

Excellent kit for 1600cc to 2000cc motors with minimal modifications. Complete kit includes 40mm SOLEX one-barrel carbs, linkage, fuel lines and air filters.

- IS631** TYPE I Dual port kit. Aluminum manifolds.
- IS632** TYPE IV Dual Solex kit. Aluminum manifolds.

DUAL WEBER CARB KITS

Available in complete kit form. Nice manifolds, crossbar linkage integrated into 3-inch air filter base. Available with 40mm and 44mm carbs.

- IS634** TYPE I WEBER IDF kit (specify application).
- IS635** TYPE IV WEBER IDF kit (specify application).



DUAL WEBER PRO CARB KIT

For racing purposes. These kits include modified 44 IDF carbs, steel crossbar linkage kit and 6" FAT pro air filters.

- IS636** TYPE I WEBER pro carb kit (specify application for jetting).
- IS637** TYPE IV WEBER pro carb kit (specify application for jetting).

CARBURETORS

Modified carburetors purchased from FAT PERFORMANCE are jetted to order for each particular application.

- IS640** SOLEX 30 pic carb. Modified for 1/2/5-1600 motors. Jetted, vented ETC. (SCORE legal) (new)
- IS640S** SOLEX 30 pic carb (new)
- IS643** WEBER-IDF carb—stock. 40,44mm (please specify).
- IS644** Modified WEBER 44 IDF carb. Set up your engine specifications. All parts included except venturis are extra.
- IS645** WEBER 48 IDF carb.
- IS646** WEBER 45 DCOE sidedraft.



DUAL CARBURETOR LINKAGE

- AL647** TYPE I hex-bar linkage.
- AL648** TYPE IV hex-bar linkage.
(*above 2 kits for use with air filters part #AF 676 and AF 677)
- SL647** TYPE I steel hex-bar linkage.
- SL648** TYPE IV steel hex-bar linkage.
- PRO648** FAT PRO linkage. For AF674 & AF675

CARBURETOR PARTS

- IS649** SOLEX idle jets.
- IS650** SOLEX main jets., (please specify).
- IS651** SOLEX 30 pict-1 carb kit.
- IS652** SOLEX needle and seat.
- IS653** IDF WEBER main jets. 95 to 195 (specify size).
- IS654** IDF WEBER air jets. 110 to 220 (specify size).
- IS655** IDF WEBER emulsion tubes. F11, F7 (please specify).
- IS656** IDF WEBER idle jets 40 through 70 (please specify)
- IS656F** FAT mixture screw (IDF)
- IS657** DCOE WEBER idle jets 50 through 70 (please specify)
- IS658** IDF WEBER needle and seat (specify size).
- IS659** DCOE WEBER needle and seat. 2.25mm.
- IS660** 44 IDF WEBER venturi 32mm
- IS6600** 40 IDF WEBER venture 32mm.
- IS660S** 44 IDF WEBER venturi-special 28,30,34mm.
- IS661** 45 DCOE WEBER venturi 34mm.
- IS662** 48 IDF WEBER venturi 36mm.
- IS663** IDF gasket kit. 40,44,48mm (please specify).
- IS663K** IDF rebuild kit-Universal- 40,44,48mm.
- IS664** DCOE gasket kit. Fits all sizes.
- IS665** IDF WEBER tall jet holder.
- IS666** IDF WEBER vent tubes.
- IS667** WEBER throttle cable linkage arm.
- IS668** ZENITH main jet.
- IS668A** ZENITH air jet.
- IS669** ZENITH idle jet.
- IS670** DELLORTO main jet.
- IS671** DELLORTO air jet.
- IS672** DELLORTO idle jet.
- IS673** DELLORTO DRLA gasket set (specify size).
- IS674** DELLORTO pump diaphragm.
- IS674A** IDF WEBER pump diaphragm. Specify early or late.
- IS675** DELLORTO emulsion tube.
- IS676** DELLORTO DRLA venture
- IS677** ZENITH carb rebuild kit
- IS678** WEBER IDF accel. pump exhaust jet.
- IS679** WEBER OE IDF carb arm (spring side).
- IS680** WEBER OE IDF carb arm.
- IS681** Linkage Heim. Specify right or left.
- IS682** Linkage rod with Heims.
- IS683** Linkage pivot bushing (1/2" plastic).

- IS684** Linkage pivot ball—1/2."
- IS685** Linkage pivot ball—5/16."
- IS686** BERG carb arms (IDF) (pair-left & right)
- 3395** 1-1/8" heim joint extension
- IS687** FAT return spring kit (spring & tab)
- IS688** Long 6mm stud kit for dual IDF air filters (8)



- E3674** K&N element 5-1/2" x 12" x 6."
- E3815** K&N element 5" x 17"
- E1690** K&N element 4" x 13-1/4"
- RC2530** K&N element (FAT 1600) 5" x 9"
- RE0280** K&N replacement breather element.
- 07282** K&N replacement breather lid.

AIR FILTER AND AIR BOXES

- AF670** FAT short course air filter. Self-contained filter assembly with built-in 5-inch stack and aluminum hood. A must with single WEBER. UNIFILTER element.
- AF670K** FAT short course air filter. Same as AF670 except with K&N element.
- AF671** FAT desert air box. A must for single carb application for remote mounted air log. Fits IDF WEBER carbs. 3-inch inlet.
- AF6714** FAT desert air box. Same as AF671 but 4-inch inlet
- AF672** FAT short air box. Same as AF 671 but 2-1/2" shorter.
- AF673** FAT desert box 1/2-1600. Fits SOLEX one barrel carb for remote air log (3" neck).
- AF674** FAT pro air filter for WEBER IDF carb. Base and top have machined groove for superior sealing. Uses K&N element 5-1/2" x 9" oval with 6" height. Includes wrap.
- AF674A** Pro air filter replacement stud - 6."
- AF674B** Pro air filter replacement stud - 4 1/2"
- AF675** FAT pro air filter for WEBER IDF carb. Base and top have machined groove for superior sealing. Uses K&N element 5-1/2" x 9" oval with 4-1/2" height. Includes wrap.
- AF676** 3" DELLORTO, WEBER IDF air filters. Aluminum top and bottom with K&N type element.
- AF677** 6" DELLORTO, WEBER IDF air filters. Aluminum top and bottom with K&N type element.
- AF678** Velocity stack. (40-44mm short & tall specify)
- AF679** FAT IDF stack section. 2" or 5" tall.
- AF683** FAT CLASS 12 Air box complete with stacks
- AF684** FAT CLASS 12 Air box only (with studs)

REPLACEMENT K&N ELEMENTS

FAT PERFORMANCE supplies replacement elements for all air filters. Popular sizes listed.

- E3317** K&N element 4-1/2" x 7" x 3-1/4"
- CB3317** CB element 4-1/2" x 7" x 3-1/4"
- E3346** K&N element 4-1/2" x 7" x 6."
- CB3346** CB element 4-1/2" x 7" x 6"
- E3471** K&N element 5-1/2" x 9" x 4-1/2."
- E3491** K&N element 5-1/2" x 9" x 6."
- E3600** K&N element 9" dia. x 3-1/2."

UNIFILTER FOAM PRE-FILTERS, ELEMENTS AND ASSEMBLIES

Foam pre-filters are recommended for extra protection from sand and silt. Foam pre-filters are designed with a lip at top and bottom and are made of red foam. Assemblies and elements are made with two foam layers.

- 09-9016** UNI assembly for SOLEX with hood.
- 09-9017** UNI assembly for ZENITH with hood.
- 05-5107** UNI element 9" x 3-1/2."
- 05-5166** UNI element 5-1/2" x 9" x 4-1/2."
- 05-5199** UNI element 5-1/2" x 9" x 6."
- 01-1105** UNI outer wrap 5-1/2" x 9" x 4-1/2."
- 01-1107** UNI outer wrap 5-1/2" x 9" x 6."
- 01-1108** UNI outer wrap 5-1/2" x 12" x 6."
- PT-1015** UNI outer wrap 4-1/2" x 7" x 6."
- PT-1135** UNI outer wrap 4-1/2" x 7" x 3-1/4"
- PT2537** FAT-UNI outer wrap (Short course 1600)

FUEL SYSTEM

- FS680** TYPE I fuel pump. For use with generator.
- FS681** TYPE I fuel pump. For use with alternator.
- FS682** Fuel pump pushrod. For use with pump # FS 680.
- FS683** Fuel pump pushrod. For use with pump # FS 681.
- FS684** Fuel pump block. For all TYPE 1.
- 1008** Facet electric fuel pump
- FS687** REDLINE fuel pump (low pressure)
- FS688** HOLLEY electric fuel pump (vane type).
- FS689** HOLLEY fuel pressure regulator. Positive regulation. Must use pressure gauge for accurate setting.
- FS689A** Fuel pressure regulator. Adjustable.
- FS690** AC fuel filter. Canister type with replaceable element.
- FS691** AC fuel filter element. For FS 690.
- FS692** WIX fuel filter. In-line type for 1/4" or 7mm hose.
- FS693S** Fuel T (brass) for dual carbs for 1/4" or 7mm hose.
- FS694** 7mm fuel hose. German hose with woven cover.
- FS695** 7mm high pressure fuel hose. German fuel injection hose. Best quality for fuel systems.
- FS696** Hose barb 1/4 x 1/8 NPT (straight).
- FS697** Mini hose clamps. Just right for fuel hose. Sold in sets of 4.
- FS698** Dual carb fuel line kit. Complete with German F.I. hose, T and clamps

EXHAUST SYSTEMS, IGNITION & COOLING SYSTEMS



- 2054-10** BUGPACK 1-3/8" TYPE I offroad exhaust with megaphone.
- ES704** FAT TYPE I offroad exhaust. 1-3/8" tubing.
- ES705** FAT TYPE I offroad exhaust. 1-1/2" tubing.
- ES706** FAT TYPE I offroad exhaust. 1-5/8" tubing.
- ES706A** FAT Exhaust spring.
- ES709A** TRI-MIL Exhaust spring.
- ES4AG** TOYOTA 4AG 1-1/2" merged offroad exhaust.
- ES4AB** TOYOTA 4AG 1-5/8" merged offroad exhaust.
- ES914** 914-4 Competition exhaust system. 1-5/8" tubing. With megaphone & hanger bracket.
- ES914M** 914-4 Muffler kit for ES 914.



OFF ROAD EXHAUST SYSTEMS

- ES700** FAT RABBIT Off Road exhaust. 1-1/2" 16-gauge tubing with merged collector and vertical stinger.



- ES702TH** FAT TYPE IV Off Road exhaust. 1-5/8" tubing merged collector-stinger. Designed to be used with upright shroud kits.
- ES702A** FAT TYPE IV off road exhaust. 1-3/4" tubing merged collector, less stinger. Designed for use with upright shroud.
- ES703** FAT TYPE IV headpipes (sold in pairs)
- FAT112** FAT 1-1/2 TYPE I offroad merged racing exhaust with megaphone & Supertrap flange
- FAT138** FAT 1-3/8 TYPE I offroad merged racing exhaust with megaphone & Supertrap flange



SPARK ARRESTORS

- ES712** SUPER TRAPP. for 2" stinger. Weld on design. 4" plates.
- ES713** SUPER TRAPP. For 1-3/4" stinger. Weld on design. 3" plates.
- ES714** SUPER TRAPP. Stainless muffler combination. 4" plates. 12" long.
- ES715** SUPER TRAPP. Extra plate 6 pack. For ES712. 4" plates.
- ES717** SUPER TRAPP. Extra plate 6 pack. For ES713. 3" plates.
- ES718** SUPER TRAPP. 5" plates for 3" stinger.
- ES719** SUPER TRAPP. Extra plates 6-pack for ES718. 5" plates.
- ESMEG** Megaphone cone.
- ESUB** U-Bend. With 6" legs. (specify size & radius)
- FAT3B** FAT 3-bolt laser flange
- FAT2B** FAT 2-bolt laser flange
- FAT3G** Gasket for 3-bolt FAT flange

STREET EXHAUST SYSTEMS

- ES722** FAT TYPE IV QUIET PAK. Available for BUS, 1-5/8" tubing
- ES730** BURSCH 914 Header (70-74).
- ES730L** BURSCH 914 Header, late (75-76).
- ES731** TYPE IV Upright sedan exhaust. For use with upright cooling, complete with dual mufflers.



IGNITION SYSTEM

- IS740** BOSCH blue coil (12 volt.)
- IS741** 009 distributor. Mechanical advance distributor. Correct advance curve. For TYPE I and TYPE IV motors.
- IS743** 044 points, BOSCH replacement points for above distributors. Part# IS 741
- IS743A** BOSCH white stripe points. For high RPM.
- IS744** 280 condenser-BOSCH replacement condenser for above distributors. Part # IS 741
- IS745** 215 rotor. BOSCH replacement cap for above distributors. Part # IS 741
- IS745A** Cut-out rotor. For 009 distributors. Various cut-out RPM available.
- IS746** 056 cap. BOSCH replacement cap for above distributors. Part# IS 741
- 8470** MSD rotor for MSD VW distributor.
- 8434** MSD Distributor cap for MSD VW distributor.
- IS747** TYPE I distributor clamp-OEM.
- IS748** TYPE IV distributor clamp-OEM.
- IS750** NGK spark plug. Available for all applications.
- IS750P** BOSCH Platinum spark plug. Available for all applications.
- IS751** NGK 3-prong plug. BCP6ET
- IS754** TYPE I German plug wires.
- IS755** TYPE IV German plug wires.
- IS756** RABBIT BOSCH plug wires.
- IS757** Upright TYPE IV plug wire kit.
- IS758** Genuine VW Silicone plug seals. A must for Off Road use. Seals out moisture and helps retain connectors.
- ISELE** ELECTROMOTIVE Crank- fired ignition (4 cyl).(XDI)
- ISELB** TOYOTA 4AG Crank-fired ignition bracket.
- ISELS** ELECTROMOTIVE replacement trigger.
- 21100** COMP-U-FIRE ignition module (eliminates points & condenser)
- 11100** COMP-U-FIRE coil bank ignition system TYPE I VW
- ISRED** REDLINE Ignition system
- ISREDS** REDLINE replacement trigger.

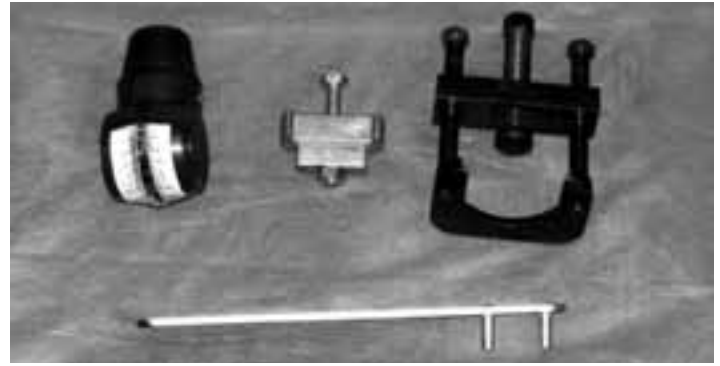
ELECTRICAL SYSTEM

- IS761** TYPE I ALTERNATOR. BOSCH 55-AMP.
- IS762** TYPE I alternator stand.
- IS762G** TYPE I alternator stand with gusset
- IS763** TYPE I alternator strap.(KARTEK)
- IS764** 12 volt pulley (EMPI).
- IS768** 911 alternator 70-amp.
- IS768I** NEW 911 75 amp alternator (internal regulator)
- IS769** 911 alternator core charge. 55- or 70-amp.
- IS770** 911 regulator. Sealed solid state regulator for use with IS 768.
- IS771** 911 alternator nut and spacer kit.
- IS772** Oil pressure switch. VW
- IS773** Hi torque starter. 12-volt VW replacement.
- IS774** Hi torque starter for 091.
- IS775** TOYOTA 4AG Alternator power pulley and Adapter kit.



COOLING SYSTEM

- CS780** FAT TYPE IV shroud kit. Utilizes 911 fan and alternator assembly. Includes fiberglass shroud, pulley, fan belt, mount straps, hardware and instructions. Ultimate cooling.
- CS780A** FAT TYPE IV replacement shroud strap.
- CS781** FAT TYPE IV shroud kit for power steering. Same as CS 780 but includes dual pulley.
- CS781A** FAT shroud replacement.
- CS782** TYPE IV upright shroud kit. Utilizes your TYPE I alternator, fan and plates. Kit comes complete with hardware.
- CSBAS1** FAT TYPE I shroud kit. Utilizes 911 alternator and fan.
- CSBAS4** German shroud kit. TYPE IV for 911 alternator and fan (special order).
- CS783** FAT TYPE IV shroud brace. Added support for FAT shroud kit CS780 and CS781.



FAT VW TOOLS

- CS784** FAT TYPE I shroud brace.
- CS785** TYPE I hub kit. Includes pulley cap, shims and nut.
- CS786** 911 fan ring. 55 amp.
- CS787** 911 fan ring. 70 amp.
- CS788** 911 fan. 11 blade
- CS789** 911 pulley half. (early)
- CS790** 911 pulley shim pack 8 shims.
- CS791** 911 pulley cap.
- CS792** TYPE I fan shroud. (RED powdercoat)
- CS792D** TYPE I Fan shroud. 36HP-Doghouse style.
- CS793** 1600 fan.
- CS794** Super Beetle fan
- CS795** TYPE I single port cylinder tin (pair).
- CS796** TYPE I dual port cylinder tin (pair).
- CS796C** TYPE I dual port cylinder tin (pair) CHROME
- CS797** TYPE I cylinder deflectors (pair).
- CS802** 911 Air deflector.
- CS803** TYPE I Chrome fan screen

- FT820** FAT 911 fan wrench. A must for belt change with 911 fan assembly.
- FT824** TYPE I crank gear puller.
- FT 826** VW-Porsche flywheel lock.
- FT 830** VW lifter retaining clips. Holds lifters in place during assembly.
- FT 836** Synchronometer. Carburetor synchronizing tool.



ENGINE MOUNTS AND HARDWARE

- EM800** FAT rear-mount kit for fixed rear cage.
- EM801** FAT rear-mount kit for removable rear cage.
- EM802** Replacement mount for EM 800 and EM 801.
- EM803** TYPE IV rear-mount brackets (pair).
- EM804** TYPE IV rear mounts (pair).
- EM807** Engine mounting stud 80mm long x 10mm.
- EM808** Engine mounting stud 95mm long x 10mm.
- EM809** Engine mounting stud 113mm long x 10mm.
- EM810** Engine mounting bolt 70mm long x 10mm.
- EM811** Engine mounting bolt 110mm long x 10mm.
- EM812** Engine mounting nut kit. Includes 4-10mm nylocks and spring washers.

DRIVETRAIN COMPONENTS

SUSPENSION COMPONENTS

TRANSMISSION COMPONENTS

- DIF01** Transmission gasket set. TYPE II (Bus).
- DIF02** Transmission gasket set. TYPE I (Sedan).
- DIF03** Mainshaft seal. TYPE I, TYPE II.
- DIF04** Shift rod seal. TYPE I, TYPE II.
- DIF05** Final drive seal. TYPE II 002.
- DIF06** Final drive seal. TYPE II 091.
- DIF07** Final drive seal. TYPE I.
- DIF08** Axle seal kit. TYPE I.

DRIVE FLANGES

- DRV63** TYPE II EMPI drive flange. 002 spline to 930 CV (pr)
- DRV64** TYPE II EMPI drive flange. 091 spline to 930 CV (pr)

REAR AXLE COMPONENTS

- RAX70** TYPE IV CV joint.
- RAX70A** TYPE II CV joint.
- RAX71** 930 Porsche CV joint.
- RAX75** TYPE II and TYPE IV CV boots and flanges (set of four).
- RAX76** FAT 930 CV boot flange.
- RAX76A** FAT TYPE II, TYPE IV CV boot flange.
- RAX77** FAT 930 CV boot.
- RAX77A** FAT CV boot for TYPE II, TYPE IV flange (RAX 76A).
- RAX78** EMPI- BATES CV boot. 930 CV boot that clamps over 930 CV.
- RAX79** CV bolts. 12-point for TYPE IV CV 3/8-24 x 2."
- RAX80** CV bolts. 12-point for 930 CV 3/8-24 x 2-1/4."
- RAX80A** CV bolts. Allen bolts for 930 CV 3/8-24 x 2 1/4."



REAR TRAILING ARM AND SUSPENSION COMPONENTS

- RS106** Trailing arm pivot bushings.
- RS107** Inner spring plate bushings (specify dimensions).
- RS108** Outer spring plate bushings (specify dimensions).
- RS109** MAX CAP spring plate covers. Heavy duty cover plates.



TRAILING ARMS

- FS127** WOODS chromoly trailing arms. Stock replacement. Heli-arc welded, heat treated chromoly.
- FS128** WOODS 1-1/4" chromoly arms. Heat treated 11" travel arm. Heli-arc welded.
- FS128A** WOODS 2-1/4" chromoly arms. Heat treated, heli- arc welded. 12-1/2" of travel. For big pins.
- FS129** WOODS 4" chromoly arms. Heat treated 14" travel arms. Heli-arc welded. For big pins.

MISCELLANEOUS SUSPENSION COMPONENTS

- FS134A** WOODS COMBO spindles.
FS135 COMBO spindle nuts.
FS136 Link pins. Stock length, threaded with nuts.
FS137 Link pins. Long pins for use with chromoly trailing arms, threaded with nuts.
FS138 Big link pins.
FS139 Bronze link pin bushings.
FS140 Bronze big link pin bushings. For link pins part # FS 138.
FS141 Link pin shim set (set of 40).
FS141B Link pin shim set for big pins (set of 40).
FS142 King pins kit. Stock.
FS144A BUGPACK front trailing arm bushings (RED). Specify size.
FS147 International tie rod end—bigger (specify R or L)
FS148 Tie rod jam nuts (Right or left)
FS157 Wheel stud. 48mm long.
FS158 Wheel stud. 57mm long.
FS159 Lug nut 14mm open (steel)
FS160 911 wheel stud. 45mm long.
FS162 911 alloy lug nut. Black anodized.
FS163 911 wheel spacer. 8mm thick.
FS164 VW front 4-lug brake drum. German.
FS165 VW rear 4-lug brake drum. German.
FS166 VW front rotor T-1, Ghia. German.
FS167 Porsche front rotor 914. German.
FS168 Porsche rear rotor 914-4. German.
FS169 Porsche rear rotor 914-6. German.
FS170 914 rear hub. Core (pair).
FS171 Wheel bearing. 914,911 rear.
FS177 VW wheel cylinder. Specify application.



CENTERLINE WHEELS

The strongest aluminum racing wheel. The wheels listed below are for 1967 and earlier VW bolt patterns (5 on 205mm bolt circle) available in satin or polished finish.

		WHEEL SIZE	REAR SPACING
105353	Satin	15x3-1/2"	3-1/2"
105352	Satin	15x3-1/2"	2-3/8"
105602	Satin	15x6"	2-3/8"
105603	Satin	15x6"	3-3/16"
105703	Satin	15x7"	3-3/16"
105802	Satin	15x8"	2-3/8"
105103	Satin	15x10"	3-3/16"
105104	Satin	15x10"	4-3/8"
106402	Satin	16x4"	2-1/8"
115353	Polished	15x3-1/2"	3-1/2"
115352	Polished	15x4"	2-3/8"
115602	Polished	15x6"	2-3/8"
115603	Polished	15x6"	3-3/16"
115703	Polished	15x7"	3-3/16"
115802	Polished	15x8"	2-3/8"
115103	Polished	15x10"	3-3/16"
115104	Polished	15x10"	4-3/8"
116402	Polished	16x4"	2-1/8"

CHAMPION BEAD LOCKS

- CH155** Standard bead lock on 15" wheel.
CH165 Standard bead lock on 16" wheel.
CH15L Extra-large bead lock on 15" wheel.
CH16L Extra-large bead lock on 16" wheel.

INNER TUBES

- TUB15** Tube for 700-15 tire.
TUB16 Tube for 750-16 tire.
TUB33 Tube for 33" and 35" on 15" wheels.
TUB36 Tube for 35" tires on 16" wheels.



STEERING

- PS160** CHARLYN power steering unit.
PS160P Port block for CHARLYN torque generator. Uses-6 fittings.
PS160D Rubber steering dampner. Should be used with CHARLYN unit.
PS160F Flange for mounting rubber dampner.
PS160M Mount bracket for CHARLYN unit.
PS161 HOWE T-C power steering pump with pulley.
PS166 TYPE I pump bracket for T-C pump.
PS166A TYPE IV pump bracket for T-C pump.
PS170 Power steering reservoir.
PS171 Steering shaft coupler for CHARLYN unit.

MISCELLANEOUS ACCESSORIES

THROTTLE CABLES

- TC001** Off Road cable kit. Complete kit comes with heavy duty cable, plastic guide tube and mounting clamps.
- TC002** Long Off Road cable. Extra heavy cable only. (for long wheel base cars). 11 ft.
- TC003** Custom cable. Morse type cable made to order. Works when extreme bends are necessary.
- TC003A** Custom cable like TC103 (except Teflon lined for smoother travel)
- TC004** Mounting bracket. For custom cable.
- TC005** Quick release ball end. For custom cable.

SHIFTER PARTS

- SH015** Shift box. For use in Off Road buggies. Utilizes stock shifter parts.
- SH017** Shift coupler. (late)
- 5528** BUGPACK shift rod kit (early)
- 5548** BUGPACK shift coupler (early)
- 5508** BUGPACK special bushing for shift box part #SH015.

LIGHTS-SWITCHES

- ES582** Idiot light. Red, 3/4" lens, easy visibility.
- ES583** Idiot light. Green, 3/4" lens, easy visibility.
- ES584** Push button switch. Horn or starter button switch with rubber dust cover.
- ES585** Sealed toggle switch on-off. Push on terminals. 20-amp.
- ES586** Sealed toggle switch on-off-on. Push on terminals. 20-amp.
- ES587** Sealed toggle switch off-on-momentary on. Push on terminals. 20-amp.



VDO COCKPIT GAUGES

- 15-172** TYPE IV oil pressure sender hose.
- 333-055** Tachometer 4-6-8 cylinder 7,000 RPM 3-3/8" diameter.
- 350-040** Oil pressure gauge. 80 lbs. 2-1/16" diameter.
- 350-041** Oil pressure gauge. 150 lbs. 2-1/16" diameter.
- 310-012** Oil temperature gauge. 300°, 2-1/16" diameter.
- 332-041** Volt meter 2-1/16" diameter.
- 190-031** 50 amp. meter 2-1/16" diameter.
- 301 -020** Fuel gauge VW 2-1/16" diameter.
- 360-003** 80 lb. oil pressure sender 1/8 27 NPT.
- 360-009** 80 lb. dual oil pressure sender 1/8-27 NPT.
- 360-004** 150 lb. oil pressure sender 1/8-27 NPT
- 360-023** 150 lb. dual oil pressure sender 10mm x1 K.
- 323-057** 300° temperature sender 1/8-27 NPT
- 323-059** 300° temperature sender 3/8-18 NPT.
- 323-055** 300° temperature sender 14mm-1.5

AEROQUIP HOSE

AEROQUIP blue hydraulic hose. 2000 lb. operating pressure. Uses steel hose ends.

- FC3006** AEROQUIP blue hose -06.
- FC3008** AEROQUIP blue hose -08.
- FC30010** AEROQUIP blue hose -10



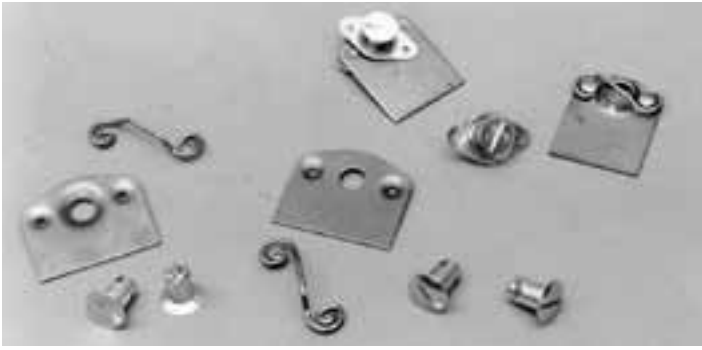
HOSE END FITTINGS

Steel fittings for FC 300 hose.

- SSHE6** Straight hose end -06.
- SSHE8** Straight hose end -08.
- SSHE10** Straight hose end -10.
- S90E6** 90 elbow hose end -06.
- S90E8** 90 elbow hose end -08.
- S90E10** 90 elbow hose end -10.
- S45E6** 45 elbow hose end -06
- S45E8** 45 elbow hose end -08.

FITTINGS AND ADAPTERS

- S06145** -06 TO 1/4 NPT straight fittings.
- S06385** -06 TO 3/8 NPT straight fittings.
- S08385** -08 TO 3/8 NPT straight fittings.
- S08125** -08 TO 1/2 NPT straight fittings.
- S01038** -10 TO 3/8 NPT straight
- S01005** -10 TO 1/2 NPT straight
- S06149** -06 TO 1/4 NPT 90 fittings.
- S06389** -06 TO 3/8 NPT 90 fittings.
- S08389** -08 TO 3/8 NPT 90 fittings.
- S08129** -08 TO 1/2 NPT 90 fittings.
- S06042** -06 TO 1/4 NPT 45 fittings.
- S06045** -06 TO 3/8 NPT 45 fittings.
- S08045** -08 TO 3/8 NPT 45 fittings.
- S0606V** -06 TO -06 UNION.
- S0608V** -08 TO -08 UNION.
- CAP-065** Steel -06 cap.
- CAP-085** Steel -08 cap.
- CAP-010** Steel -10 cap.
- CAP-012** Steel -12 cap.
- PLUG65** Steel -06 plug.
- PLUG85** Steel -08 plug.



DZUS FASTENERS

The proper way for body and panel mounting.

- DTC38** DZUS tab. Countersink 3/8" for flat head button.
- DTL38** DZUS tab. For captive buttons, includes wires.
- DTR38** DZUS tab. Standard 3/8" for round head button.
- FHB38** Flat head DZUS button. 3/8."
- RHB38** Round head DZUS button. 3/8."
- CDB38** Captive DZUS button.
- DFS38** Standard spring for all 3/8" tabs.

ASSEMBLY CHEMICALS AND LUBRICANTS

- CH912** Moly assembly lube. 2.7oz. tube.
- CH915** GASKACINCH gasket sealer. 8 oz. can.
- CH919** K&N air filter oil. 12 oz spray
- CH920** UNI-FILTER oil. 16 oz. bottle.
- CH921** 3M strip caulk for sealing distributor. 60 ft. box.



FAT SHIRTS

FAT T-shirts. Quality silk-screened logo.

- FAT07** Red. Specify medium, large, extra large and XX large.
- FAT08** Grey. Specify medium, large, extra large and XX large

FAT stickers are available upon request with orders.



DIRT DIGIT NUMBERS

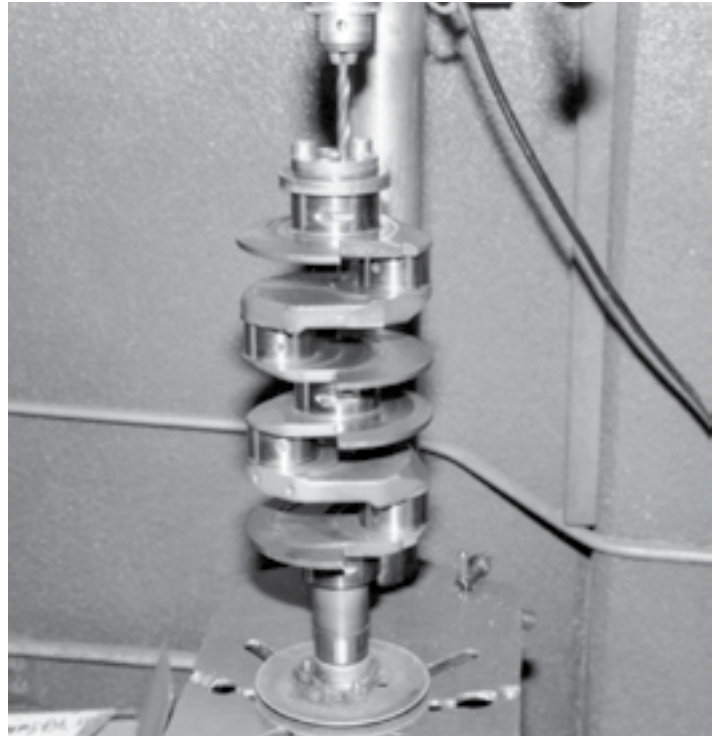
- DD930** 6" black numbers. Pack of 3.
- DD931** 8" black numbers. Pack of 3.
- DD932** 6" white numbers. Pack of 3.
- DD933** 8" white numbers. Pack of 3.

When ordering, add number to pack number.

MACHINE SHOP SERVICES

ENGINE CASE AND BLOCK

- L100** Align bore (TYPE I).
- L101** Align bore (TYPE IV).
- L101B** Modify TYPE IV case for 1/2" bolts.
- L102** Align bore 911 case.
- L103** Bore for larger cylinders (TYPE I)
- L104** Bore for larger cylinders (TYPE IV).
- L105** Bore for larger cylinders (911).
- L106** Machine cylinder deck with studs removed (TYPE I and TYPE IV).
- L107** Machine for sand seal (TYPE I).
- L108** Install case savers (TYPE I).
- L109** Install case savers (911).
- L110** Clearance for stroker crank (TYPE I).
- L110A** Clearance for stroker crank. (TYPE IV).
- L111** Clearance lifter bores for hi-lift cam (TYPE I).
- L112** Sleeve lifter bores (TYPE I).
- L113** Install piston oil squirters (TYPE I).
- L115** Install windage modification for oil control (TYPE I and TYPE IV).
- L116** Drill and tap main oil galley (TYPE I).
- L117** Drill and tap oil galleys (TYPE IV).
- L118** Weld and gusset case mount flange (TYPE I and TYPE IV).
- L119** Install dipstick tube (TYPE IV).
- L120** Modify TYPE IV case for FAT upright fan.
- L121** 5th stud modification for case, heads & cylinders (TYPE IV 2.0 914).
- L122** Bore for cam bearings (TYPE I).
- L123** Machine TYPE IV cam gear L124 Machine cylinder deck surface on RABBIT block.
- L125** Bore and hone RABBIT- TOYOTA block.
- L126** Install jack shaft bearings in RABBIT block.
- L129** Blueprint oil pump (TYPE I and TYPE IV).
- L130** Tap and plug oil pump for full flow (TYPE I and TYPE IV).
- L131A** Gusset TYPE I alternator stand



CRANK AND ROD

- L132** Micro-polish crankshaft mains and rods (4-cylinder).
- L133** Regrind crankshaft mains and rods (4-cylinder).
- L134A** Lighten TOYOTA 4AG crankshaft
- L135** 8-dowel TYPE I crankshaft (8mm x 3/4" dowels).
- L136** 8-dowel TYPE I crankshaft (11/32" x 3/4" dowels).
- L137** 5-dowel TYPE IV crankshaft (8mm x 3/4" dowels).
- L140** Remove and re-install timing gears (TYPE I and TYPE IV).
- L141** Set end play, motor disassembled (TYPE I and TYPE IV).
- L142** Crack check crankshaft.
- L143** Balance crankshaft (4-cylinder).
- L143C** Counterweight TYPE IV crank (no grind).
- L144** Pinbush rods TYPE I, TYPE IV
- L145** Rebuild rods TYPE I, TYPE IV
- L146** Balance rods TYPE I, TYPE IV
- L147** Clearance rods for stroker use TYPE I and TYPE IV

FLYWHEEL

- L148** Lighten flywheel TYPE I, TYPE IV
- L149** Balance flywheel TYPE I, TYPE IV
- L150** Resurface flywheel TYPE I
- L150A** Resurface flywheel TYPE IV & 914
- L151** Replace starter ring-gear TYPE I, TYPE IV
- L152** 8-dowel TYPE I flywheel.
- L153** 5-dowel TYPE IV flywheel.



HEADS, PISTONS AND CYLINDERS

- L155** Resurface pair of heads, no clearance cut (TYPE I and TYPE IV).
- L156** Bore pair of heads for larger cylinder or depth (TYPE I and TYPE IV).
- L157** Resurface RABBIT or TOYOTA head.
- L158** Resurface six 911 cylinder heads.
- L160** Install oversize valve seat TYPE I, TYPE IV (each).
- L160A** Crack repair under seat & resurface exhaust seating surface
- L160C** Crack repair in T-IV plug hole (weld & tap).
- L161** Remove and re-install valve guide (all type heads).
- L162** Install K-line guide insert each (all type heads).
- L163** Install cam bearings (RABBIT head).
- L165** Competition valve grind, 3-angle seats TYPE I, TYPE IV
- L165A** Competition valve grind. 16 valve TOYOTA.
- L166** Competition valve grind. 2-angle valves, 3-angle seats. 911 Porsche.
- L166A** Cut valve to special size.
- L167** Handshape and cc combustion chambers (4-cylinder).
- L168** Port-and-polish, round port, TYPE I dual port (pair).
- L169** Port-and-polish, 40mm intake and 35.5mm exhaust valves TYPE I dual port oval shape (pair).
- L170** Port-and-polish, 42mm intake and 37mm exhaust valves welded large port TYPE I dual port (pair).
- L171** Port-and-polish, 1.7 and 2.0 42mm x 36mm, TYPE IV heads (pair).
- L172** Port-and-polish, 48mm x 38mm valves. 1.7 and 2.0 TYPE IV heads (pair).
- L174** Port-and-polish 40mm intake and 34mm exhaust valves RABBIT head.
- L174A** Port-and-polish TOYOTA 16 valve head
- L175** Port-and-polish six 911 cylinder heads.
- L176** Match-port TYPE I and TYPE IV intake manifolds (pair).
- L177** Match-port TYPE I and TYPE IV intake manifolds for large ports. Includes welding (pair).
- L179** Match-port 911 Porsche intake manifolds (pair).
- L180** TIMESERT spark plug hole.
- L181** Taper machine 411 aluminum pushrods for rocker clearance (set of 8).
- L181A** Cut & assemble C/M pushrods.
- L182** Balance piston (set of 4).
- L183** Machine piston top (set of 4).
- L184** Clearance pistons for stroker (set of 4).
- L185** Hone 4 cylinders.
- L186** Trim cylinder tops (set of 4).
- L186A** TYPE I & IV cylinders- Bore, hone & true tops
- L187** CC 1 pair cylinder heads TYPE I, TYPE IV
- L188** Drill and tap valve covers for breathers TYPE I and TYPE IV.
- L188A** Cutguide bosses for dual springs.
- L2.0** Modify 1.7 -1.8 head for 2.0 spark plug angle

DRUMS AND ROTORS

- L189** Drill and stud 4 bolt VW and 914 Porsche drum, rotor or hub for 5 bolt 911 wheel (each).
- L190** Machine off wheel center ring on rotor for 911 wheel clearance (pair).
- L191** Drill and stud drum or rotor to eliminate wheel bolts (each).

ENGINE

- L210** Overhaul TYPE I single carb and dyno.
- L211** Overhaul TYPE I dual carb and dyno.
- L212** Overhaul TYPE IV single carb and dyno.
- L213** Overhaul TYPE IV dual carb and dyno.
- L214** Overhaul TYPE IV stock engine.
- L215** Overhaul RABBIT engine and dyno.
- L216** Overhaul TOYOTA 4AG or HONDA 4 cylinder engine and dyno.
- L217** Overhaul 911 engine and dyno.
- L218** Assemble TYPE I long block.
- L219** Assemble TYPE IV long block.
- L220** Assemble RABBIT long block.
- L221** Assemble TOYOTA 4 cylinder long block.
- L222** Set cam timing TYPE I, TYPE IV.
- L230** TYPE I leakdown, tune-up and dyno (single carb).
- L231** TYPE I leakdown, tune-up and dyno (dual carb).
- L232** TYPE IV leakdown, tune-up and dyno (single carb).
- L233** TYPE IV leakdown, tune-up and dyno (dual carb).
- L234** RABBIT leakdown, tune-up, check bearings, timing belt and dyno.
- L235** TOYOTA 4 cylinder leakdown, tune-up, check bearings, timing belt and dyno.
- L236** 911 leakdown, tune-up and dyno.
- L250** Dyno engine. Per hour, 2 hour minimum.
- L251** R & R venturis & rejet
- L252** Shop Time (1 hour)
- L253** Exhaust system ceramic coating.

HOW TO ORDER

Ordering parts can be done by phone (COD., MasterCard, Visa or Discover Card). For mail-in orders, FAT will accept cashier's checks, money orders, MasterCard or Visa. Personal checks must clear the bank before processing orders. Company checks will be accepted from dealers only. Most shipments will leave FAT Performance within 48 hours of receipt of your order. All shipping will be UPS. First-day or second-day air is available upon request. Shipping costs will be additional.

RETURNS

Returns are allowed on defective parts only. The customer assumes all responsibility for ordering and specifying the correct parts. FAT Performance must be notified by phone within 3 days if parts are damaged during shipment.

MISCELLANEOUS

Prices, specifications and descriptions subject to change without notice. FAT Performance reserves the right to substitute specific brands or suppliers of equal or better quality as availability requires.

FAT PERFORMANCE

1558 North Case Orange, CA 92867

WWW.FATPERFORMANCE.COM

The use of VW and the names Volkswagen and Porsche or their model descriptions by FAT Performance is for the sole purpose of description and in no way infers or intends a direct connection between FAT Performance, Volkswagen A.G. or Porsche.
©2010 FAT Performance