

Mon-Sat 9am- 9pm  
Sun 9am- 5pm

## QUIXOTE RACING

10807 Broken Wheel  
Lakeside, Ca 92040

(619) 561- 7774  
please leave message w/number

**Dietmar@QuixoteRacing.com**

[www.QuixoteRacing.com](http://www.QuixoteRacing.com)

**effective 1-1-2022**

All items normally in stock. Prices subject to change. Some FST items available. Call for availability

### ENGINE RELATED PARTS AND SERVICES

**BALANCE:** crankshaft, flywheel, pressure plate ... 75  
(balanced individually, then as a unit)  
- Pistons..... 30  
-Rods.....See RODS

**BEARINGS:** main .....65  
-rod..... 19  
-cam.....21  
- double thrust/oversize..... 26/45

**CAMSHAFT:** FV legal w/core..... 145 (30 core)  
-gear- three rivet/adjustable..... 30/48  
-plug- rubber/steel.....4

**CASE:** universal .....(very unstable pricing.)..... 860  
- line bore..... 80  
- surface ( with head studs/without studs). 50/40

**CLUTCH DISC** (Sachs)..... 69

**COIL:** Bosch, blue, 12V..... 56

**CONDENSER** -009..... 11.95

**CRANKSHAFT:** stock- rough.....100  
-turned, ready for assembly..... 200  
- balanced.....add 70  
-gear-steel, used..... 15

**CYLINDER HEAD:** rebuilding: see... **HEAD WORK**  
8mm stud set..... 40

stud 8mm/ 10mm..... 2.95/ 1.95  
tin- pair..... 40  
deflector ( under head)...ea..... 10  
"O" ring for centering cylinders..... 1.90

**Dipstick**..... 2

**Distributor** 009 .....

-Bosch- available new and used.....call  
-cap..... 16  
-clamp..... 6.95  
-drive- used..... 15 (new 35)  
-gear -brass, used..... 25 (new 38)

**FAN-** 16 blade.....Call  
-shroud, used..... 40

**FLYWHEEL:** lightened ( call for availability)  
balanced .....add 40  
shim (specify size)..... 5.00  
double lipped seal..... 11.95  
seal-red silicone..(Elring)..... 5.50

**FUEL PUMP** styles vary..... 30  
flange..... 7.95  
rod..... 1.80

**GASKET** - set (German/Brazil)..... 19.00/13.75  
Intake-teflon or copper (reusable)..... 2.00 ea  
- stock VW ..... 2.00  
-valve cover ..... 1.20

### GASKETS-continued

- exhaust..2 types..... .. 1.60/2.05  
-oil sump-gaskets and washers ..... 1.10  
-oil cooler- stepped/stock (pair)..... 4/1  
- individual gaskets..... ..call

**GENERATOR-** 6V /12 V..... ..call  
-guttered with exchange (core 30).... . 90  
-stand 6V used / 12 V new..... 18/23

**LIFTERS** VW, refaced, lightened, balanced .. 48  
-exchange (VW)..... 32

**OFFSET KEY-** any offset, specify..... 8

**OIL** -cap (used)..... 3  
-gasket..... 1.50  
-synthetic see AMS/OIL SYNTHETICS

**OIL FILLER** - stock..... 10  
- type 3/complete..... 20/30  
-nut..... 3

**OIL COOLER**-styles vary..... 59-134  
-block off plate..... 21

**OIL PUMP**-styles vary..... 30  
-stock pump cover.....9.95  
-full flow pump cover..... 24  
-8mm pump sealing nut (ea.)... 2.79

**OIL SUMP-** 180-250CC styles vary..... 40  
-screen -stock/modified.. 11/14.00  
-cover plate (stock)..... 8.95  
-gasket set (with three gaskets)... 1.30

**PISTON/CYLINDER SET**..... Call  
honed for FV..... Call  
1 Piston .....65

**PISTON RINGS:**  
dykes style..(ea).....35  
spacer.....6.50  
stock oil and 2<sup>nd</sup> ring sets..... 20  
any 4 stock rings..... 16  
complete stock set..... 24  
-modified lower tension 2<sup>nd</sup> ring(4)...20

**POINTS** - striped (092) for 009..... 8.80  
stock (044) for 009..... 3.50  
for 010- 2 piece..... 14

**PRESSURE PLATE-**3 fing(Brazil/Ger) 90/154  
diaphragm style..... 77

**PULLEY:** aluminum, 6 inch..... 38  
- turned down..... 40  
- stock VW -used (2 sizes).... 10  
- aluminum with sand seal..... 56  
-seal and holder only..... 29

-bolt (lightened) ..... 6

**PUSHROD:** 15-1600 stock (used)..... 3.50  
-shortened (specify length).. 6

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<b>PUSHROD TUBE:</b> stock..... 3.15	<b>STARTER:</b> 6V/12V.....call
-extension (oil control).. 1.50	<b>VALVE :</b> adjusting screw German..... 2.79
-seal..... 0.40	- cover.. (used VW)..... 10
-emergency tube (ltd supply).... 11	- cover bail..... 4
<b>ROCKERS:</b> set, lightened, balanced.....48.00 exchange/70 outright	- guide, shortened or stock..... 5
Lighten, balance YOUR set.....40	<b>VALVES:</b> intake-refaced VW ..... 8.50
Stock 1.1:1 ratio..... 6	-new intake ATE/TRW..... 16
Shaft, stand, clips.....cheap	-exhaust ..... 16
Shims-.015, .030,.060.....0.40	<b>VALVE SPRINGS:</b> Web..... 45
<b>RODS:</b> lightened, balanced, rebuilt..... 320 outright	-retainer (VW style)..... 1.50
Lighten YOUR STOCK rods..... 300 rebuilt	-chrome moly (set)..... 24
Resize, rebush, align rod set..... 100 (plus bushings)	-shims .015, .030, .060..... 0.40
Bushings.....2.50 (ea)	-pressure relief valve kit..... 7
Bolts- ARP set..... 74/aftermarket 6 ea	
<b>ROTOR:</b> 009..... 9.95	
<b>SHIM:</b> barrel to case (steel) .001-.010..... 2.00 ea	
<b>SPARK PLUG:</b> -NGK B7HS.or BP7HS... 2.40 ea	
<b>SPARK PLUG WIRE SET:</b> ..... 21.90	

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### CARBURETOR- manifold

Flow carb, check and/adjust throttle stop..... 30	pump diaphragm..... 10.50
Modify your carb to current specs,	intake gaskets – see GASKETS
flow test and report..... 145 (plus parts)	emulsion tube holder..... 40
complete carb-SCCA legal..... 350	main jet-specify size..... 6.95
stock float./ brass float..... 7.00/40.00	carb top/body/related parts.....call
modified float –plastic, weighted..... 12	carb top plug(s)..... 1 ea
modified venturi..... 20	air jet-tapered- specify size..... 7.95
Manifolds- flow tested, starting @ ..... 500	throttle cable-stock.....5.50
Flow test manifold and report..... 30	carb rebuild kit..... 23
barrel nut for stock cable..... 2	rebush throttle bore..... 40
carb gaskets top/bottom.....3.00	Time Sert installed – 8mm..... 20
metal fuel line w/fitting for 28 pci ..... 15.00	throttle bore bushings.....2.95ea

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### D-13 Specific:

Rebound strut. (droop limiter)..... 60	trans mount: pair..... 60
Engine .nose mount. -specify if Universal case... 20	trailing arm- rt or lt..... 160
Cross link.....see tie rods in FRT SUSPENSION	cellasto.(see limiter discs below) 27
Rod ends.....see rod ends in FRT SUSPENSION	upright bushing..... 5
Rebush upright..... 40/60 pair (plus parts)	steering damper..... 28
½” female rod end for droop limiters..... 16.39/12.60	droop limiter disc(s).....ea. 2

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### AMS/OIL SYNTHETICS

10/40 or 20/50 engine oil ( <b>with zinc</b> )..... 42 /gal	75/90 or 80/90 gear lube.... 14.95/qt
Racing oil.....call	synthetic grease.....call
Other viscosities available <b>All oil sold at my cost</b>	break in oil (new product)...call
Prices subject to change-very unstable. Delivered price might vary due to local tax.	

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### MISCELLANEOUS:

Quick lift jack-raises one wheel..... 25	trammel bar..... 35
Valve lift checking tool with 1” dial indicator..... 45	pressure gauge w/fill valve for shocks..... 75

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### FRONT SUSPENSION- parts and services

Beam, used/you clean.....	190	torsion arm-upper.....	30
Tie rod: specify length and thread		-lower.....	35
6061 T6 3/4 aluminum.....	10 ea plus material @ 4/ft	torsion spring set-used/new.....	45/70
rod ends- Aurora 5/16 or 3/8.....	11.33 (Teflon lined)	sway bar- ( 3/4 solid/.....	75
7/16.....	14.00 (Teflon lined)	spacers (sway bar) pair aluminum.....	40
1/2.....	16.39 (Teflon lined)	quick steer adapter.....	25
1/2 female teflon/non.....	16.39/12.60	smaller diameter shims for offset bushings..	0.45 ea
<b>Any 4 or more rod ends-any size- deduct 10%</b>		wheel bearing grease seal-Elring.....	2.75
jamb nuts for above.....	0.45- 0.95	upper-lower beam grease seals-pair.....	5
steering box .....	150	front wheel cylinder (Germ.).....	19
king pin kit- German only.....	45	brake shoes- Porterfield.(inc shipping).....	140
link pin kit. -German.....	71 (54 Brazilian)	backing plate-used/clean. ....	45/50
spindle and carrier-rebuilt.....	100 (with core)	brake drum... (Italian).....	64/60(2+)
without core.....	170	pitman arm.....	40
offset bushings.....	90 (4)	brake shoe adjuster- angled.....	2.50
installation and clearancing .....	60 (4)	- straight.....	3.75
spindle only- clean and dye checked.....	59	front wheel lock plate.....	0.75
carrier only.....	45	wheel nut- lt, rt. each (VW)....	1.75
rebuild <b>your</b> spindle/carrier.....	50ea/80 pair - plus parts	spindle (grease seal) spacer.....	9.50
dye check spindle.....	10 (\$15 per pair)	thrust washer.....	1.50
grub screw wo/w nut (torsion arm)....	2.75/4.50	pinch bolt .....	1.95
dust cap-used VW.....	12	related front end parts.....	call
-aftermarket.....	6.95	lug bolt.....	2.25
wheel bearing FAG/SKF		Wilwood master cyl...5/8 or 3/4..	70
inner..roller/ball.....	18/45	<b>(buy 3 of any size-deduct 5 %)</b>	
outer.. roller/ball.....	17/40	aluminum spindle nut- pair.....	15
steering damper.....	28	modified linkpin shims.....	0.45 ea

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### Transmission and Rear Suspension:

axle tube w/without shock mount.....	70/75	throwout bearing Sachs.....	39
rear axle.....	65	axle boot kit-German.....	9.10
axle bearing SKF or FAG (not Chinese)..	19.95	backing plate-used/clean.....	45/50
brake shoes-Porterfields (incl shipping)..	140	side gear-used.....	30
brake drum-Italian.....	65/60(2+)	nose cone gasket.....	1.90
brake drum-German – Limited supply.....	75	axle seal kit.....	5.80
fulcrum plate.....	7/12 pair	axle tube retainer gasket.....	1.20
gears: all numbers in stock.....	55	trans gasket set.....	10.95
transporter 3 <sup>rd</sup> . 1.22.....	150	throwout bearing clips (ea).....	1.25
rear wheel cylinder...German .....	19.00	inner axle spacer.....	8
axle bearing retainer cover (either style)....	15	outer axle brg spacer.....	13
CNC brand slave cylinder.....	NLA	nose cone bushing (early).....	10.95
Related transmission parts.....	call	trans syncro.....	15
Trans side cover.....	25	clutch cable-stock.....	5.95
mainshaft seal.....	2.75	trans nose cone.....	30
starter bushing 6V or 12V.....	2.50	daisy-used.....	5
axle nut w/o or with flange.....	6.95	brake spring kit – front or rear.....	7
VW rims- new and used.....	CALL		

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**SERVICES: Not limited to but including**

Flow testing  
Head rebuilding  
Engine rebuilding  
Trans rebuilding – as time permits  
Between race services, alignment, suspension modifications  
Frame repair-arc, gas, MIG welding  
Crank grinding, balancing, line bore, surface heads, cut barrels and pistons for deck height.  
Carb: repair, build, rebuild, flow test, parts

**ENGINE REBUILDING:** labor ..... 700.00 (less \$50 shipping credit)

includes check weight and minor balance, replace bearings; set deck height, check cam timing;  
check and adjust spring seat pressure and valve lift, clean combustion chamber and  
lap valves. Plus parts listed below.

Typical Parts (extra): main, rod, cam bearings, main seal, gasket set, recondition your rods, rod bushings, reface intake /  
exhaust valves, points, NGK plugs..... ~280.00

Additional parts and/ or additional labor extra

**NEW ENGINE BUILDING:** labor only..... 800.00 Total cost depends on the parts that are customer  
supplied. In most cases, total engine packages run in the 4000-4800 range **without carb and manifold.**

**Head Work:**

Head(s) – bare 373 .....\$100/ea.  
Flow test your heads and report..... 50/pair  
1. Your heads- cut 3 angle valve seat, reface intake/exhaust valves, set spring seat pressure, lap valves... \$180/pair  
2. Good used heads available- rebuilt and flow tested.....call  
3. Valve seat(s) installed....(included seats)..... 45 each or 320 for 8  
4. Cut valve seat- three angle..... 15 ea/ 96 for 8  
5. Spark plug insert-installed..... 10 -1<sup>st</sup> oversize (plus insert)  
20 -2<sup>nd</sup> oversize(plus insert)  
6. Flycut bare head..... 30/(50pair)  
7. Head welding.....call  
8. Helicoil/Timesert - 6 or 8 mm installed..... 20 (remove broken stud add 10)  
9. Install shortened valve guide(s)..... 8 ea/ 55 for 8 (includes guide)  
10. Reface intake/exhaust valve(s)..... 3.50 ea.  
11. Set Spring Seat Pressure..... 20 pair of heads - includes shims

**Shipping:**

FedEx , Priority Mail, or UPS (more expensive) are the three choices depending on size.

Truck shipping engines- I can help arrange shipping at a good rate – call me. Average cost is \$200 or less one way cross  
country - call for shipper info. (\$50 credit applied if engine is shipped )

\$140 crating charge if I build a crate, you get to keep the crate.

If you did not see something listed, I probably have it or can tell you where to get it.

**Advice is ALWAYS free and just a phone call or e-mail away**