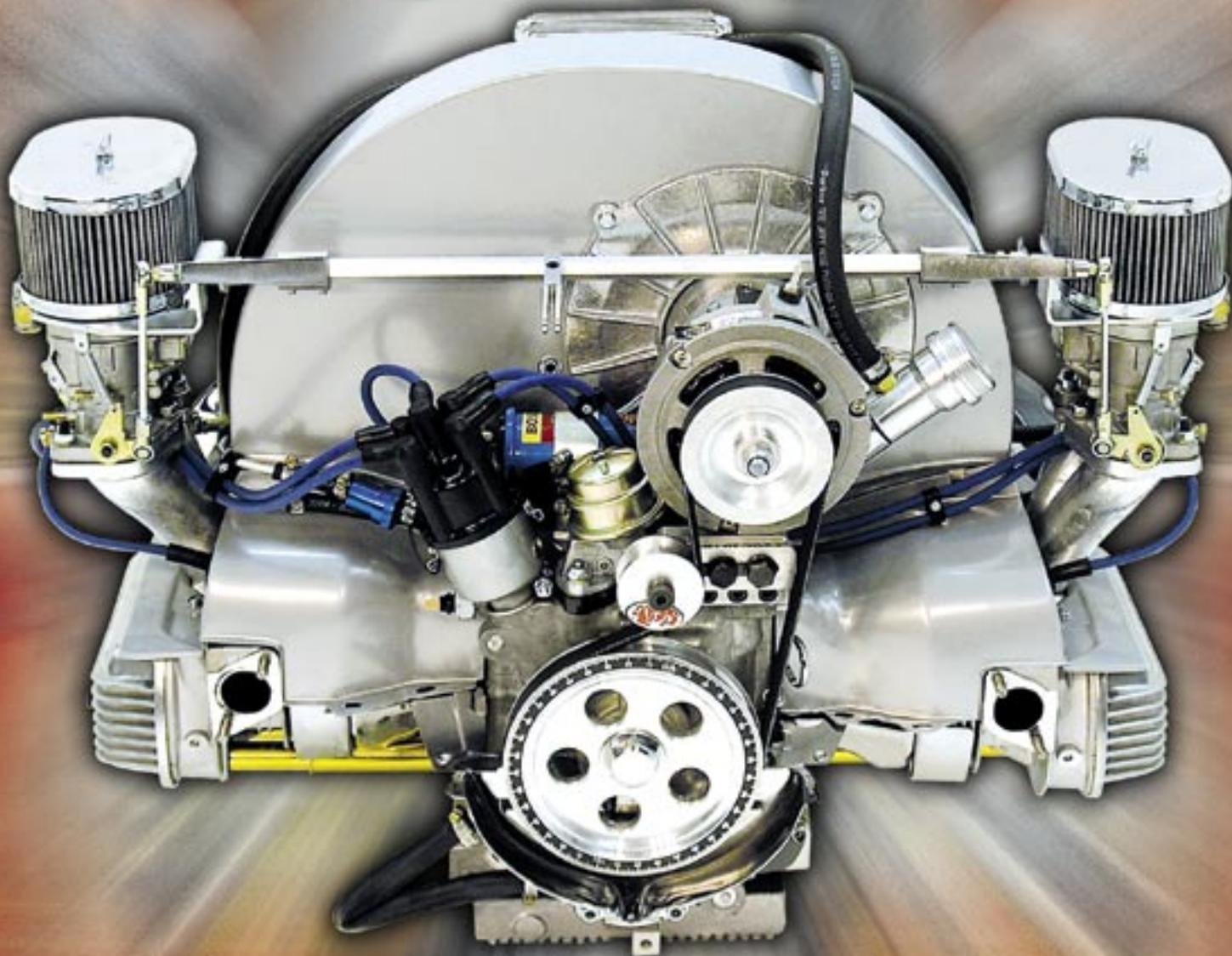


SVT



2006

**VOLKSWAGEN PERFORMANCE
RACING PRODUCTS & CUSTOM ACCESSORIES**

Part# 98240 Effective 11-01-2005



Anatomy of a Turnkey SCAT Motor

- **READY-TO-INSTALL**
- **GUARANTEED TO PERFORM**
- **PROFESSIONALLY TUNED**
- **ZERO MILES**
- **PRE-RUN AND**
- **DYNO SERVICE AVAILABLE**

Weber Dual or Solex
Single Barrel
Carburetors
Page 5

5 TAB Chrome
Stainless Valve
Covers
Page 37

Hi-Flow Mini-D,
Wedge-Port,
or Street
Cylinder Heads
Page 36

H- or
I-Beam
4340 Forged
Chromoly
Connecting
Rods
Page 21

High Performance Distributor,
Coil & Alternator
Page 54

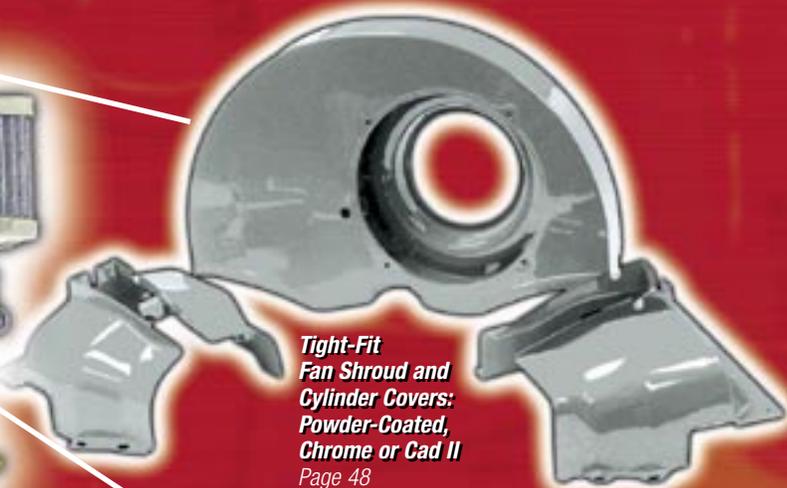
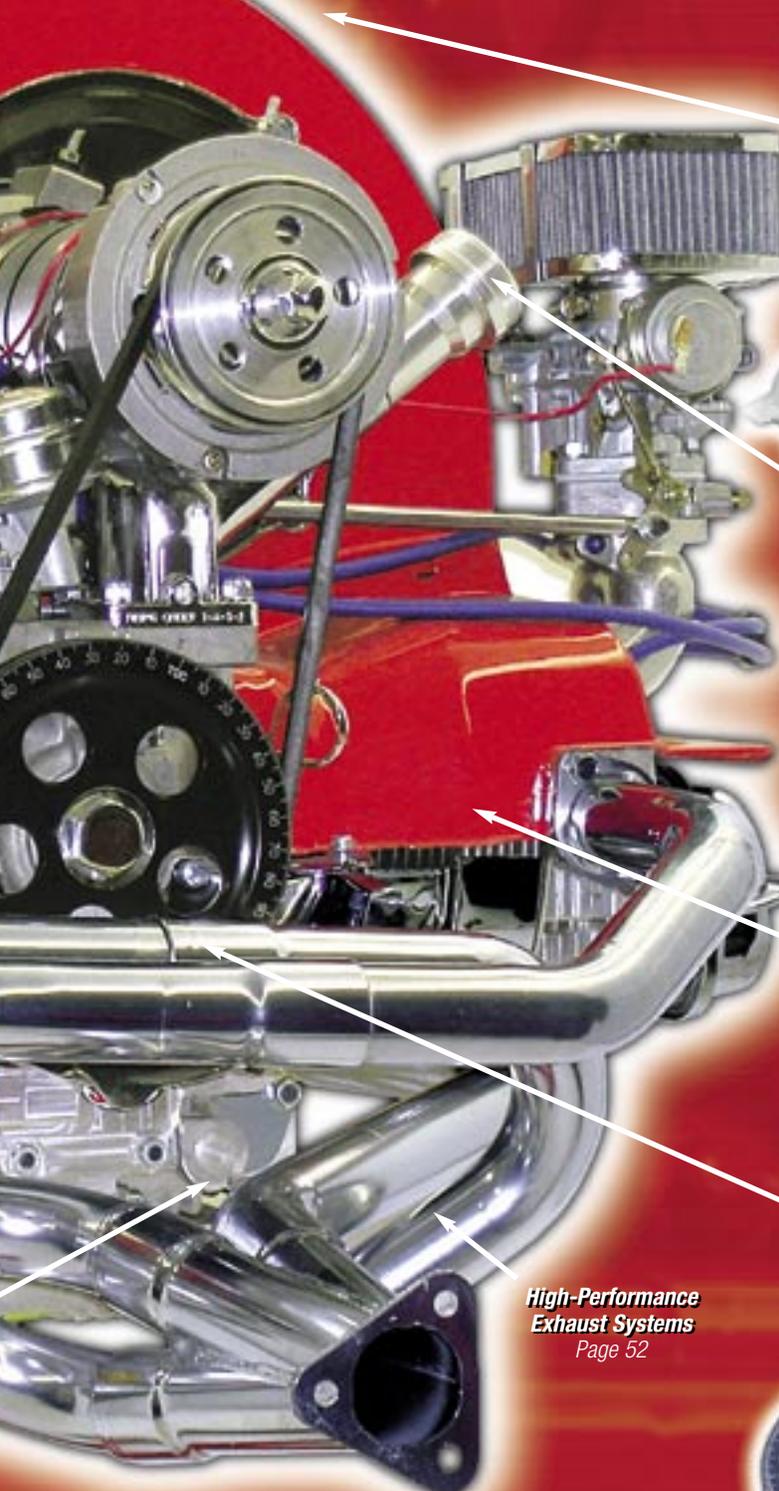
Chromoly Billet
Crankshafts
Page 18

High-
Performance
Lifters
Page 30

Billet 6061-
T6 Full
Flow Oil
Pump
Cover
Page 13



0000 MILE Turnkey Motor MAXIMUM PERFORMANCE



*Tight-Fit
Fan Shroud and
Cylinder Covers:
Powder-Coated,
Chrome or Cad II
Page 48*

*SCAT 0000-Mile
Type 1 Long-Block
(1600cc-2500cc)
Page 10*



*Billet Oil
Filler Extender
Page 44*

*4340 Forged
Chromoly 1.25 or
1.40 Ratio Rocker
Assemblies
Page 33*



*Billet
6061-T6
Pulleys
Page 46*



*High-Performance
Exhaust Systems
Page 52*

All parts shown here are also available individually.



ONWARD & UPWARD

For over 40 years, SCAT has manufactured and distributed parts for the performance aftermarket. During this time, SCAT has grown from a distributor of specialty Volkswagen parts into the premier manufacturer and distributor of high performance aftermarket engine components for a wide range of American and foreign engines.

We have also significantly expanded our line of automotive components over the years to include Pro Car seats and other products for distribution to the automotive enthusiast. For the past four decades, SCAT's success has been built on innovation, quality and customer service. We look forward to building upon our successes and innovations in the high performance aftermarket in the years to come.

We continue to be extremely excited about our Turn-key Engine program. The feedback from our customers has been awesome and we look for this program to continue to build momentum into 2006. We also now carry transaxles and have introduced the SCAT serpentine pulley system, which is getting rave reviews from everyone.

Many in the VW aftermarket have come and gone, but at SCAT we continue "Onward and Upward" as we bring new innovations to the market and improve on our existing line.

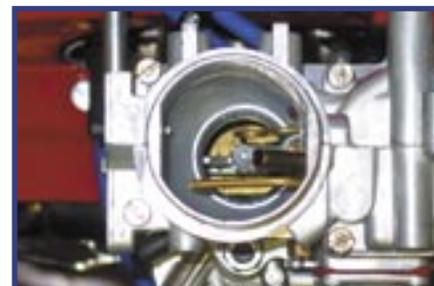
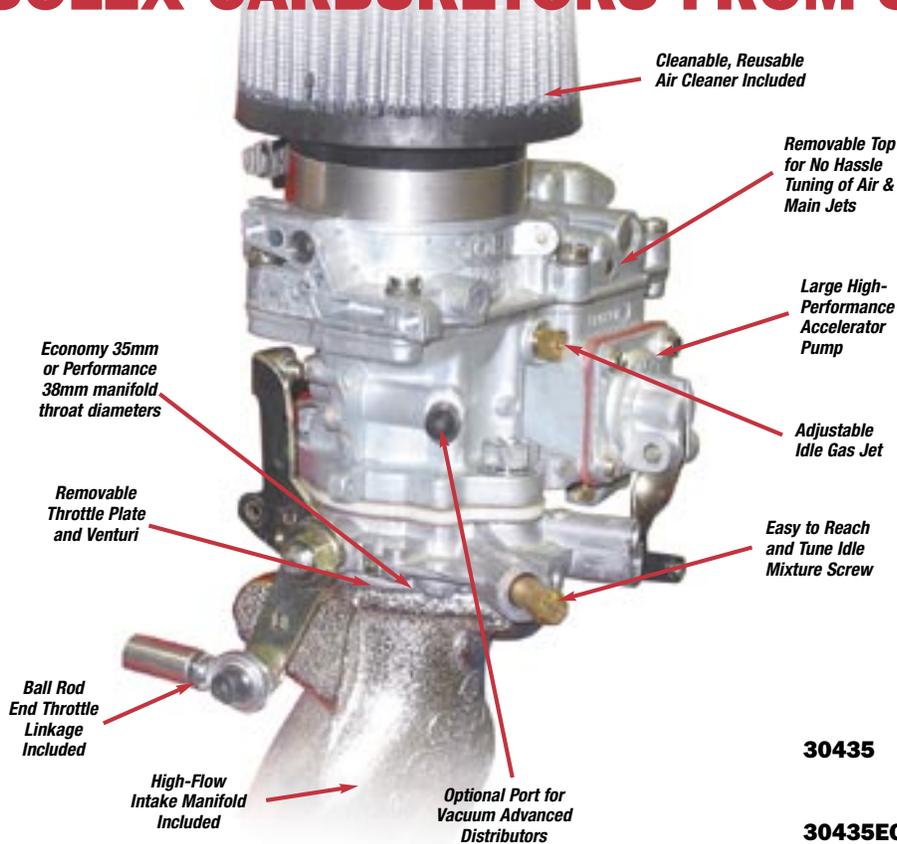
This is possible because of the significant time and effort we spend sourcing our parts from only the most reliable suppliers worldwide. Together with our significant manufacturing capability, we continue to expand and improve to keep us at the forefront of our industry.

Finally, as we have for the last four decades, we will continue to strive to offer our customers the highest quality products at affordable and competitive prices. We are excited about our new products and our future, and look forward to providing you with the service and products you demand and deserve for another four decades.

All of us at SCAT contribute to the innovation, quality and customers service that you have come to expect and again, we want to thank your business and look forward to continuing to service your VW aftermarket performance needs.



SOLEX CARBURETORS FROM SCAT



47mm Air Inlet Throat for Maximum Velocity



Optional 12-Volt Electric Choke

30435 = ECONOMY SOLEX 35mm CARB KIT WITHOUT ELECTRIC CHOKE

30435EC = ECONOMY SOLEX 35mm CARB KIT WITH ELECTRIC CHOKE

SOLEX PDSIT CARBURETOR PARTS

 <p>30 MM Venturi</p>	 <p>PDSIT Carburetor Rebuild Kit</p>	 <p>SOLEX Aluminum Manifolds</p>
<p>Idle Jets :</p> <p>11076/55 11076/65 11076/70 11076/75 11076/80</p> <p>Main Jets :</p> <p>11078/130 11078/140 11078/160 11078/170 11078/180 11078/190</p> <p>Air Correct Jet :</p> <p>11077/110 11077/120 11077/130 11077/140</p> <p>Carb. Fixed Air Jet: 90</p>	<p>“BIG SHOT” PORT & POLISHED SOLEX MAINBODYS</p>  <ul style="list-style-type: none"> • Carburetor air in-let bowl and throat is hand blended into a Hi-Flow 34mm venturi • Designed for larger displacement engines • Increased air & fuel volume • Dyno proven to increase engine horse-power by more than 15% over stock <p>30435P = “Big Shot” port & polished solex mainbodys without electric choke</p> <p>30435EC-P = “Big Shot” port & polished solex mainbodys with electric choke</p>	



CAMDEX ALUMINUM ADJUSTABLE CAMSHAFT GEAR

•PART# 20170 - ADJUST

- Standard Timing.
- Advanced 2 Camshaft Degrees (4 Crankshaft Degrees)
- to give increased torque at low RPM's.
- Retarded 2 Camshaft Degrees (4 Crankshaft Degrees)
- to give increased torque at high RPM's.



ULTRA 75 LUBE-A-LOBE LIFTER TYPE 1

•PART# 20029L

- 25% Lighter than O.E.M. Lifters
- Wide 29mm Head for High lift Cams
- .024" Oil Hole through Head Face to Reduce Friction



COPPER EXHAUST GASKET KIT

•PART# 55112 - KIT

- Copper O-Ring Design for Better Seal and Longer Life.
- Kit Includes:
 - 4 = 1 - 1/2" I.D. Head Port
 - 1 = Standard 3 - Bolt Triangle
- Reusable



PADDED TRANSMISSION STRAP KIT

•PART# 70021

- Reduces Engine and Body Vibration
- Strengthens Motor Mounts and Support Transmission
- Excellent for off Road and High Horse-Power Motors



301 STAINLESS STEEL ALTERNATOR/GEN. STRAP

•PART# 45075

- Channel Bridge T-Bolt Design provides added strength
- Easy to adjust
- Looks Great



5-BLADE PORSCHE STYLE COOLING KIT

•PART# 25085

- Designed and Engineered for 4-Cylinder VW Engines
- Efficiently Cools Engine better without reducing Horse-Power
- 5 - Blade Fan is Balanced and Made from 356-T6 Aluminum
- 65 AMP 12 Volt Alternator

FLAME-THROWER® VOLKSWAGEN BILLET DISTRIBUTOR:

- The housing and deck are CNC machined holding a tolerance of +0.000 to -0.003
- Tempered .500" shaft has low torsion displacement for more accurate timing and longevity
- A top roller bearing and lower self lubricating oil impregnated bronze sintered bushing reduces friction and high RPM vibration
- Additional spring sets are included for custom curving
- Easy to use proprietary mechanical advance adjustment feature allows for easy advance limiting
- Compatible with most capacitive discharge systems
- High quality caps utilize brass "male style" terminals for excellent conductivity



PART NUMBERS AND DESCRIPTIONS:

- D180810** *Billet Distributor, Volkswagen, Ignitor II, non-vac, black cap*
D180813 *Billet Distributor, Volkswagen, Ignitor II, non-vac, gray cap*
D186810 *Billet Distributor, Volkswagen, Ignitor, non-vac, black cap*
D186813 *Billet Distributor, Volkswagen, Ignitor, non-vac, gray cap*

PERFORMANCE TRANSAXLES by RANCHO

TYPE 1 & TYPE 3 TRANSAXLES - O.E.M. QUALITY

- TA1001** *67-68 12V SWING AXLE (WITHOUT AXLES)*
TA1002 *67-68 12V SWING AXLE (WITH AXLES)*
TA1003 *69-70 12V IRS TRANS*
TA1004 *71-72 12V IRS TRANS*
TA1005 *73-LATER 12V IRS TRANS*

TYPE 1&3 SHOWN



PRO STREET

- TA1020** *PRO STREET SWING OR IRS (WITHOUT AXLES)*
TA1021 *PRO STREET SWING OR IRS (WITH AXLES)*

- 4 Spider Super Diff.
- H/D Aluminum Side Cover.
- Welded 3-4 Hubs
- Steel Shift Forks.
- Hardened Keys.
- Welded to T/O Shaft.

PRO STREET SHOWN



PRO COMP

- TA1030** *PRO COMP SWING OR IRS (WITHOUT AXLES)*
TA1031 *PRO COMP SWING OR IRS (WITH AXLES)*

- Pro Street Features Plus Welded T/O Shaft Close Ratio 3-4 Gears (1.48, 1.58, 1.70 3rds & 1.04, 1.14, 1.21, 1.31, 1.43 4ths)

PRO SAND

- TA1050** *PRO SAND SWING OR IRS (WITHOUT AXLES)*
TA1051 *PRO SAND SWING OR IRS (WITH AXLES)*

- Pro Comp Features Plus Richmond Gear 4.86 Ring and Pinion

SERPENTINE PULLEY & BELT SYSTEM

- Designed for high R.P. M. Engines (5,000 r.p.m. – PLUS)
- Increased belt life, less drag & quiet

80316 = *Aluminum look pulleys with black screened timing degree wheel (80227)*

80316B (blue), **80316BK** (black),

80316R (red) = *Type 3 hard anodized both crank/alt. pulley with etched timing degree wheel*





HAVE IT YOUR WAY WITH A SCAT 0000 MILE ENGINE KIT ECONOMY & SUPER STREET ENGINE KIT

- Top quality parts at a low price
- Eliminate all the guesswork with one of these sensible engine kits
- Rebuild your engine with confidence – kits include all **ZERO MILE NEW PARTS**
- **EASY TO ASSEMBLE** engine kits for your high-mileage daily driver or weekend performance racer



- **NEW Forged piston & cylinder kit** – Page 26
- **NEW SCAT 4340 chromoly gland nut and heavy-duty washer** – Page 22
- **NEW cast (Economy) crankshaft** – Page 20
- **NEW Optional forged (Super Street) crankshaft** – Page 19
- **NEW SCAT 4340 forged I-Beam (Economy) rods or H-Beam (Super Street) rods** – Page 21
- **NEW SCAT performance grind camshaft with gear** – please specify camshaft grind (C20, C25, C35, C45, etc.) – Page 29
- **NEW SCAT lightweight performance lifters** – Page 30
- **NEW heavy-duty chromoly pushrods** – Page 30
- **NEW big bore engine gasket set and silicon rear main seal** – Page 9
- **NEW heavy-duty oil pump** – Page 13
- **NEW heavy-duty engine main & standard rod bearing set.**
All sizes available – please specify main bearing size – Page 17
- **NEW heavy-duty camshaft bearing set** – Page 29

THE SCAT VOLKSTROKER III ECONOMICAL ENGINE KIT

This kit is perfect for the 'budget' minded engine builder

- Includes all of the standard featured items listed, plus:
- **NEW** 69mm or 78mm counterweighted, 8 dowel crankshaft – Page 18
- **NEW** SCAT forged I-Beam or O.E.M. I-Beam connecting rods – Page 21

PART NO.	ENGINE SIZE	PISTON TYPE	PART NO.	ENGINE SIZE	PISTON TYPE
1600	69mm X 85.50mm	FORGED	1915	69.00mm X 94.00mm	FORGED
1641	69mm X 87.00mm	FORGED	2027-3	78.80mm X 90.50mm	FORGED
1776	69mm X 90.50mm	FORGED	2095-3	78.80mm X 92.00mm	FORGED
1835	69mm X 92.00mm	FORGED	2187-3	78.80mm X 94.00mm	FORGED

* Pushrods sold separately

SCAT VOLKSRACER SUPER STREET ENGINE KIT

This kit is designed with the Super Street and Competition engine builder in mind

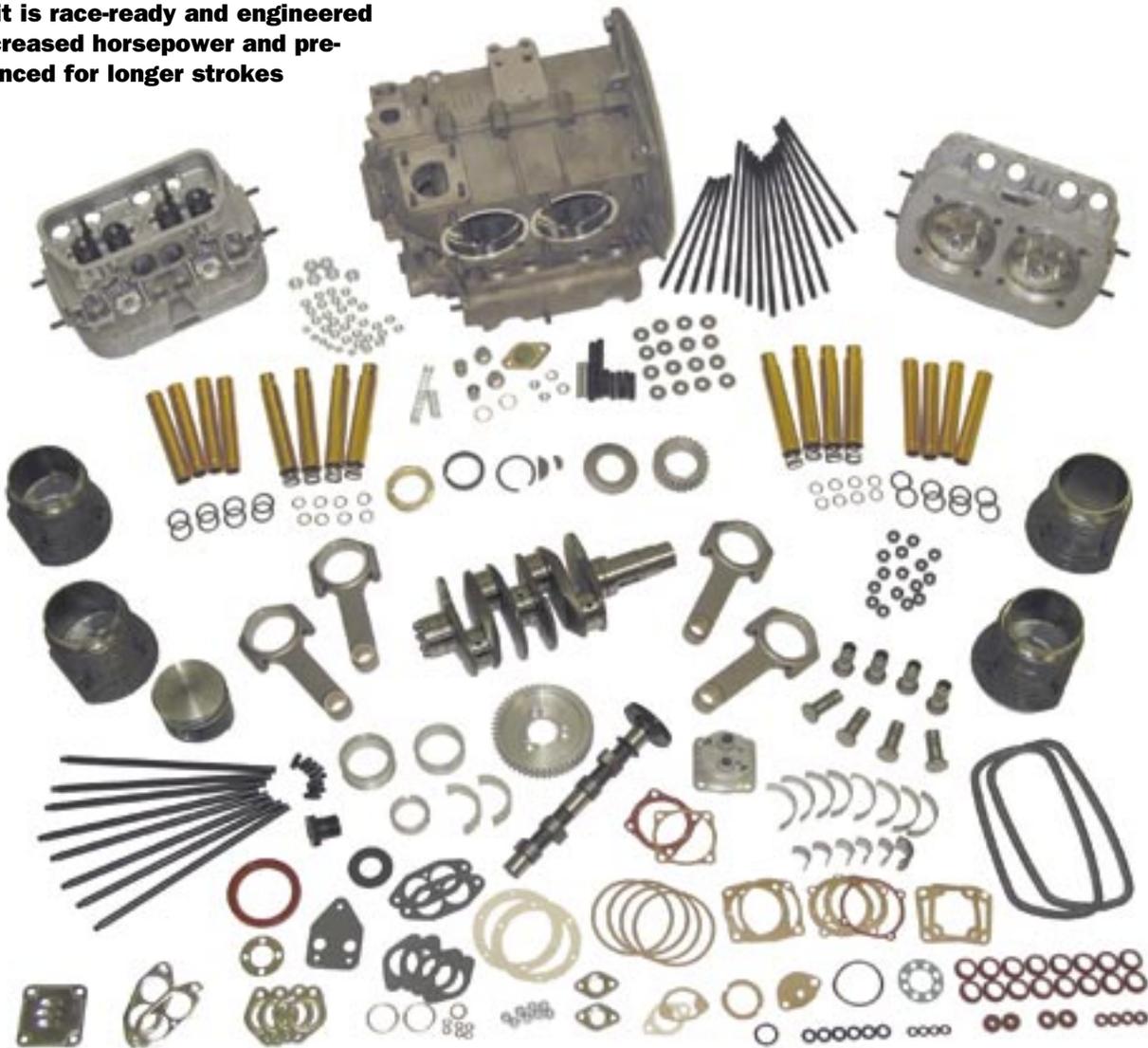
- Includes all of the standard featured items listed, plus:
- **NEW** SCAT Volkscracer 4340 chromoly forged billet crankshaft – Page 18
- **NEW** SCAT forged I-Beam connecting rods – Page 21
- **NEW** Stroker cylinder spacers, if necessary – Page 27

PART NO.	ENGINE SIZE	PART NO.	ENGINE SIZE	PART NO.	ENGINE SIZE
2027	78.8mm X 90.50mm	2110	82.0mm X 90.50mm	2161	84.0mm X 90.50mm
2095	78.8mm X 92.00mm	2180	82.0mm X 92.00mm	2234	84.0mm X 92.00mm
2187	78.8mm X 94.00mm	2275	82.0mm X 94.00mm	2332	84.0mm X 94.00mm



SCAT VOLKSRACER RACE-READY ENGINE KIT

This kit is race-ready and engineered for increased horsepower and pre-cleared for longer strokes



Includes all of the standard featured items listed, plus:

- **NEW** Nitrided Volkscracer 4340 chromoly forged billet crankshaft – Page 18
- **NEW** SCAT forged H-Beam rods (Chevy or VW journal) – Page 21
- **NEW** Stroker AS41 dual by-pass engine case – Page 12
- **NEW** 'D Port' polished dual-port heads – Page 36
- **NEW** 3/8" cut to length chromoly pushrods – Page 30
- **NEW** 4140 chromoly 8mm dual-port cylinder/head stud kit – Page 12
- **NEW** SCAT adjustable O-Ring aluminum pushrod tubes – Page 31
- **NEW** Universal Engine Case Hardware Kit # 10205 – Page 12
- **NEW** 40-piece Engine Lock Nut Kit #10173 – Page 12
- **NEW** Crankshaft Gear Assembly Kit #10207 – Page 20

78.8mm Stroke Engine Kits

- 2027-1 = 2027cc (90.5mm Bore)**
- 2095-1 = 2095cc (92.0mm Bore)**
- 2187-1 = 2187cc (94.0mm Bore)**

82mm Stroke Engine Kits

- 2110-1 = 2110cc (90.5mm Bore)**
- 2180-1 = 2180cc (92.0mm Bore)**
- 2275-1 = 2275cc (94.0mm Bore)**

84mm Stroke Engine Kits

- 2161-1 = 2161cc (90.5mm Bore)**
- 2234-1 = 2234cc (92.0mm Bore)**
- 2332-1 = 2332cc (94.0mm Bore)**

AND DON'T FORGET – WE HAVE ALL ACCESSORIES TO COMPLEMENT ANY OF OUR VOLKSTROKER RACE-READY ENGINE KITS

- Hi-Lift Rockers – Page 33
- Performance Dual-Port Heads – Page 36
- Complete Engine Sheet Metal & Components – Page 48-49
- Power & Standard Diameter Crank Pulleys – Page 46
- Custom Valve Covers – Page 37
- Dual Carburetion Kits – Page 40
- Extra Capacity Deep Oil Sumps – Page 13
- Flywheel & Clutch – Page 22-23

PERFORMANCE COMPLETE TYPE 1 – 3 ENGINE GASKET SETS

- Includes all gaskets required to overhaul your PERFORMANCE VW engine
- 111198007 = 1300-1600 Single & Dual-Port**
- 10237 = Performance Gasket Set 13-1600 Dual-Port Includes Special Intake Gaskets, 8 Dowel Crankshaft Gasket, Copper Exhaust Nuts**





SCAT LONG-BLOCK/KILLER™ CASE

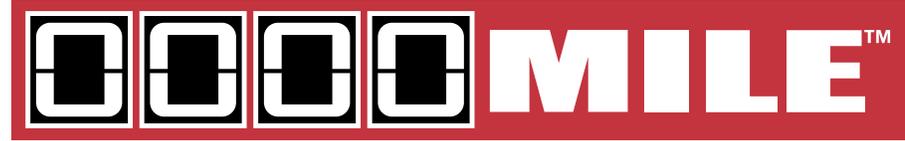
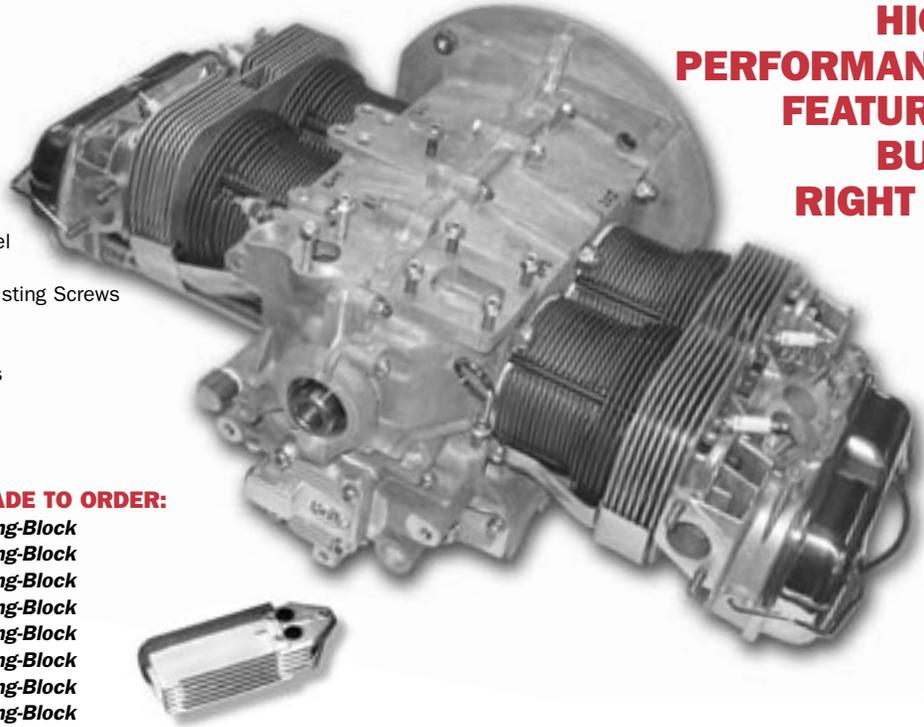
SCAT'S HIGH-PERFORMANCE ALTERNATIVE TO O.E. LONG-BLOCKS

0000 MILE™ DUAL-PORT LONG-BLOCK ENGINE

- 8 Dowel Pin Counterweight Crankshaft
- 12.5 lb. Lightweight 8 Dowel Pin Flywheel
- Chromoly 1.25 Rocker Arms
(Solid Rocker Shafts & Swivel Valve Adjusting Screws)
- Chromoly Gland Nut & Thick Washer
- SCAT Lightweight Racing Lifters
- SCAT Stainless Steel 5 Tab Valve Covers
- New DogHouse Oil Cooler
- Chromoly Connecting Rods

1600CC-2500CC LONG-BLOCKS MADE TO ORDER:

- 1600LB = 1600cc Zero Miles Type 1 Long-Block
- 1641LB = 1641cc Zero Miles Type 1 Long-Block
- 1776LB = 1776cc Zero Miles Type 1 Long-Block
- 1835LB = 1835cc Zero Miles Type 1 Long-Block
- 1915LB = 1915cc Zero Miles Type 1 Long-Block
- 2165LB = 2165cc Zero Miles Type 1 Long-Block
- 2275LB = 2275cc Zero Miles Type 1 Long-Block
- 2332LB = 2332cc Zero Miles Type 1 Long-Block



TYPE 1 LONG-BLOCK

HIGH-PERFORMANCE FEATURES BUILT RIGHT IN!

KILLER™ DRY AND WET SUMP 3-PIECE VW 356-T6 ENGINE CASES THOUSANDS MADE AND RACE PROVEN SINCE 1975!



SCAT stocks the following models, but others are available as well – please call our knowledgeable sales staff for assistance.

WET SUMP CASES (add an "F" to the part number if you would like a flange wet sump case)

- | | |
|---------|-------------------|
| 231101 | 101.6mm, T1 Main. |
| 23192 | 92mm, T1 Main. |
| 23494 | 94mm, T1 Main. |
| 231965 | 96.5mm, T1 Main. |
| 234101 | 101.6mm, T4 Main. |
| 23492 | 92mm, T4 Main. |
| 23494 | 94mm, T4 Main. |
| 2349651 | 96.5mm, T4 Main. |

DRY SUMP CASES (add an "F" to the part number if you would like a flange wet sump case)

- | | |
|--------|-------------------|
| 22192 | 92mm, T1 Main. |
| 22194 | 94mm, T1 Main. |
| 221101 | 101.6mm, T1 Main. |
| 224101 | 101.6mm, T4 Main. |
| 22492 | 92mm, T4 Main. |
| 22494 | 94mm, T4 Main. |

SCAT's KILLER™ CASE HAS KILLER FEATURES

FEATURES INCLUDE:

- Bullet-Proof design — Solid Main Webs
- Six (6) hollow dowels guard against case halves moving and distorting main bores
- Six (6) 4140 Chromoly Steel 7/16" Diameter Thru Studs hold together the case halves.
- Used by the World's fastest VW racers such as Dave Perkins, Pro-Turbo; Mike Stewin, Pro-Stock; Jack Sacchettee, Super Street; and Damon Harmon, 2003 Pro Stock National Champion – just to name a few world record holders
- 3-piece design with integral bell housing and removable front cover for cam timing adjustment
- Extra-large 1/2" oil galleys for positive oiling under hard racing conditions
- Clearanced for stroke crankshafts up to 90mm
- 90.5mm to 101.6mm bore kits
- Wet sump case features a 4-1/2" quart removable oil pan with external sump oil pick-up

CASE TYPE: DRY SUMP (22) OR 4-1/2" QUART WET SUMP (23)
MAIN JOURNAL SIZE: VW TYPE I, TYPE 4 CENTER, ALL TYPE 4
CASE BORE SIZES: 92mm thru 101.6mm
FLYWHEEL ATTACHMENT: DOWEL PIN OR FLANGE



CASE ACCESSORIES & REPLACEMENT PARTS

- 22001 = 7/16"-20 4140 Chromoly Case Through Stud w/Nut & Washer**
- 22002 = Hollow Dowel Pin for Case half Alignment .550" O.D.**
- 22003 = Main Bearing Dowel Pins, Set of 5 Pieces**
- 22004 = Hollow Dowel Pin for Front Cover Alignment**
- 22006 = Front Seal for use with SCAT Pulley**
- 22008 = 10mm 4140 Chromoly Cylinder Head Studs w/Nut & Washer VW Dual-Port Head to SCAT KILLER™ Case, Set of 16 Pieces**
- 22010 = 10mm 4140 Chromoly Cylinder Head Studs w/Nut & Washer SCAT Split-Port Heads to SCAT KILLER™ Case, Set of 16 Pieces (Extra-long custom length cylinders requires special length studs)**
- 22309 = Cast Aluminum Center Mount Alt/Gen Tower**
- 22310 = Center Mount Aluminum Fan Housing**
- 80181 = Sand Seal Pulley 5-3/8" w/Belt Groove fits SCAT KILLER™ or VW Case**
- 80251 = Sand Seal Pulley 5-3/8" w/o Belt Groove fits SCAT KILLER™ or VW Case**
- 10079 = Flange Oil Seal for Flywheels**
- 10184 = Flange Oil Seal for Dowel Pin Crankshafts**



BILLET DRY & WET SUMP OIL PUMPS

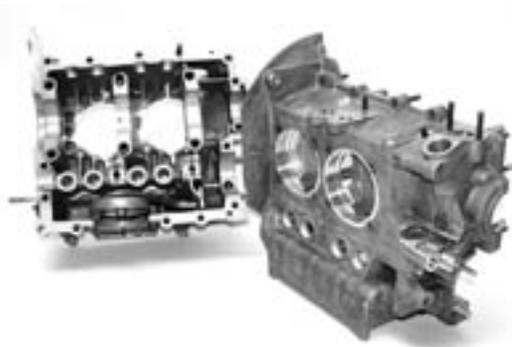
- For use with SCAT KILLER™ Case installations
 - Designed to provide a 2 to 1 scavenge to pressure ratio
- 50068 = Wet Sump Oil Pump Hex Drive**
50069 = Dry Sump Oil Pump Carbureted



DRY SUMP OIL FILTER BRACKET WITH PRESSURE RELIEF

- Remote oil filter bracket with built-in adjustable pressure relief with by-pass for excess oil back to oil tank without entering engine first & picking up excess heat
 - For use with any high-performance engine with a dry sump oil system
- 50073 = Dry Sump Oil Filter Bracket**





NEW UNIVERSAL TYPE I DUAL BY-PASS ENGINE CASES

- All Modified Engine Cases are INSPECTED, STROKE RELIEVED, BORED for either 90.5mm, 92.0mm or 94mm CYLINDERS, SHUFFLE PINNED and the OIL GALLERIES ARE DRILLED & TAPPED for FULL FLOW - Steel case savers are installed allowing use of 8mm stud kits

- 1043101025** = Type I Universal Dual By-Pass Engine Case
- 101025-92** = Universal Case Bored for 90.5mm / 92mm Cylinders
- 101025-94** = Universal Case Bored for 94mm Cylinders
- 10183** = Modified Case - 92mm Bore, Stroke Relieved, Shuffle pinned
- 10183-1** = Modified Case - 94mm Bore, Stroke Relieved, Shuffle pinned
- 10186** = Stroker Case - 92mm Bore, Stroke Relieved, Full Flow
- 10186-1** = Stroker Case - 94mm Bore, Stroke Relieved, Full Flow



ENGINE CASE PERFORMANCE STUD KITS

- Approx. 200% stronger than stock studs – 145,000 to 190,000 PSI tensile strength
- Designed for stock and stroker engines
- This kit includes 16 performance chromoly studs, washers and nuts
- These performance studs will not stretch or break under race conditions

- 10170** = 8mm 4140 - F4 Chromoly Dual-Port Cylinder Stud Kit W/Heavy-Duty Hardware - 150,000 PSI
- 10171** = 10mm 4140 - F4 Chromoly Dual-Port Cylinder Stud Kit W/Heavy-Duty Hardware
- 10172** = 8mm 8740 (190,000 PSI TENSILE STRENGTH) Dual-Port Stud Kit w/H.D. Hardware (Turbo Kit)



STEEL CASE SAVERS – 16-PIECE SET A must for all high-performance applications

- For VW Type 1-3 40HP – 1600 cases
- A positive method of repairing stripped case threads by restoring threads to their original sizes
- For preventative measure on brand new engine cases by providing a stronger anchor for head studs than original

- 20133** = 14.2mm O.D. x 10mm
- 20134** = 14.2mm O.D. x 8mm
- 20135** = .500"/12.75mm O.D. x 10mm – for 92mm O.D. Cylinders



UPGRADE TYPE I ENGINE CASE HARDWARE KIT

- Hex Head and Show Chrome Plunger Plugs
- Heat Treating Engine Mounting Studs
- Oil Boost Springs, Plungers and Pump Studs

- 10205** = Engine Case Installation Kit
- 50022** = Oil Booster kit – Single by-pass kit only (sold separately)
- 50025** = Oil Booster – Dual by-pass kit only (sold separately)

TYPE III BLOCK OFF PLATE

- Block off case oil filler on Type 3 to convert into a Type I engine case

10206 = Type III to Type I Block Off Plate

ENGINE LOCK NUT KIT - Ideal for any competition use especially Off-Road

- For VW Type 1-3 engine cases - 40-Piece Kit – enough for one complete engine
- NYLOCK NUTS resist vibrations keeping engine tightly sealed

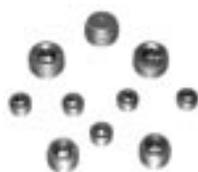
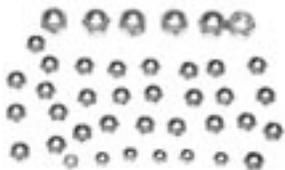
- 10173** = Engine Lock Nut Kit

ALUMINUM OIL GALLEY PLUG SET

- Special Anodized Aluminum AN Style Pipe Plugs that Replace all the Pressed-In Oil Gallery Plugs
- Facilitates Cleaning & Draining of Oil From Engine Case
- Kit = 5 pieces of 1/8", 2 pieces of 1/4", & 2 pieces of 3/8" plugs

- 50033** = Aluminum Oil Gallery Plug Kit

SCAT EXCLUSIVE



MELLING & SCHADEK HIGH-VOLUME H/D OIL PUMPS & PUMP COVER

- For use with VW Type 1-4 engines with 8mm studs
- 26mm – 30mm oversize gears for greater oil volume at all temperatures
- Simple bolt-on installation & machined for proper fit and trouble free operation
- Jumbo gears increase oil pressure & volume over stock for maximum lubrication of vital engine parts

50002 = Aluminum Pump, 26mm Gears – Fits 3-Bolt Cam Gear
50026 = MELLING Ductile Pump - 30mm Gears – Fits EARLY 3-Bolt Cam Gear
50135 = MELLING Ductile Pump, 30mm – Fits LATE 4-Bolt Type 1 Cam Gear
50059 = FULL FLOW Billet Aluminum Cover with use of external cooler or filter



NEED RELIABLE OIL PRESSURE? TRY OUR HIGH-FLOW OIL PUMP

- High-Flow for racing engines and full flow systems
- Cycles and filters oil more efficiently
- Decreases oil temperature by 10%

50027 = High-Flow 30mm x 8mm Aluminum Oil Pump – Type 1
50028 = High-Flow 30mm x 8mm Aluminum Oil Pump – Type 1 Late



EXTERNAL SPIN-ON FILTER OIL PUMPS

- High-performance Oil Pump/Filter Combination
- Jumbo 32mm gears increase oil pressure & volume
- Engine runs cleaner, cooler and longer – increases engine bearing life

50035 = EARLY Filter Pump, Type 1 to '70 With 3-Bolt Cam
50036 = LATE Filter Pump, Type 1 '71 & Later With 4-Bolt Cam
50009 = Spin-on Oil Filter Cartridge
PH8A = Fram Performance Oil Filter



1-1/2 AND 2-QUART VW 356-T6 RE-INFORCED TYPE I OIL SUMPS

- ALL SUMPS ARE SEALED TO PREVENT LEAKS
- Especially designed for RACING, LOW RIDERS & OFF-ROAD & MADE in U.S.A. By SCAT
- 356-T6 Aircraft Quality Aluminum Castings - guaranteed not to leak like cheap imports when car bottoms out
- REINFORCED INTERNAL STANDS for maximum strength & prevents base of sump from breaking when bottomed out against curb or rock
- Completely finned for maximum heat dissipation and oil cooling
- Simplified bolt-on installation with socket head allen cap screws – stock studs from engine case are removed and used to install stock drain cover plate to bottom of new sump
- Installation Hardware & Oil Pickup Tube Extension included

50060 = SCAT 1-1/2" Quart Oil Sump, VW Type 1-3 Engine
50050 = 2 Quart Super Sump, VW Type 1-3 Engines



MAGNETIC DRAIN PLUG/CHROME DRAIN PLATE/OIL CHANGE KIT

50118 = Magnetic Drain Plug – attracts metal particles in oil sump
50126 = Chrome Oil Drain Plate w/Chrome Drain Plug
51001 = Oil Change Kit – Includes Oil Strainer & Gaskets
113115181 = Stock Drain Plate Cover, Drain Plug & Gasket Set
113115189A = Oil Strainer Gaskets, Pack of 10 Pieces
113198031A = Complete Oil Strainer Gasket Set
311115175A = Oil Strainer 40HP – 1600



BILLET 6061-T6 OIL DRAIN PLATE KIT

- Stops oil leaks caused by stamped plates
- Show Chrome Magnetic Drain Plug & Acorn Nuts
- Surfaced planned for a tight seal
- Made in U.S.A. for long-lasting beauty

50127 = Billet 6061-T6 Oil Drain Plate Kit



SLIP-IN WINDAGE TRAY

- Trays are designed to help control oil from sloshing from side to side
- Ideal for all competitive demands of high speed cornering, quick acceleration, hill climbing
- Fits below camshaft to separate chamber helping to eliminate oil spray and froth which robs horsepower at high RPM's

50058 = Slip-In Windage Tray – All Type 1-3 Engines





SCAT BORING/FLYCUTTER TOOL ASSEMBLY

- Versatile and inexpensive
- Special Professional tool designed to bore cases & heads for oversize cylinders & pistons or flycut heads for increased compression
- Tool may be used with mill, drill press, or hand drill
- Ring base of tool housing eliminates necessity of milling head surfaces to use tool
- 356-T6 Aircraft Quality Aluminum Housing machined to exacting tolerances with a Gits oil fitting to lubricate the 1-1/2" diameter precision ground steel shaft
- 3/4" x 1-1/4" Steel Tool Holder & Centering Block are precision machined to insure accuracy
- Precision machined tool steel cutter
- Steel components are black-oxide finished to insure long corrosion resistant use
- Illustrated instructions & all necessary hardware is included

Complete Tool
98016 Assembly

Replacement Components
98034 1.312" Replacement Cutter-use w/#98041 Holder only
98041 0Tool Holder w/Screws



CRANK & FLYWHEEL DRILL JIG

- For adding 4 dowel pins in crank & flywheel with SPG offset dowel pattern – same as all performance aftermarket crankshafts

98015



VW FLYWHEEL SEAL INSTALLER

- Accurately presses rear main flywheel seal into engine case – clears all dowel pins—
- For use with all Type 1-3 VW engines

98095



CRANKSHAFT GEAR PULLER

- Remove timing gear from crankshaft without damage – use of press is not required

98057



VW FLYWHEEL LOCK

- Locks flywheel securely in position -for use with 109 tooth 6V or 130 tooth 12V flywheels

98072



CRANKSHAFT DEGREE PULLEY PULLER

98058 = Crankshaft Degree Pulley Puller



PISTON RING COMPRESSOR

- Tool compresses piston rings using pliers allowing cylinder to be slipped over piston

98092 83-87mm 98093 88-94mm



END PLAY MEASURING TOOL

- Measure end play movement of VW crank without use of dial indicator – for use with feeler gauge – All VW, Porsche 912 & 914

98086



VW DECK HEIGHT MEASURING TOOL

- Accurately measures distance from top of cylinder to top of piston – For use with All Type 1-3 VW engines

98081

BENCH & FLOOR MODEL VW ENGINE STANDS

- Professional model engine stands allows you to work on your VW or Porsche engine & transaxles at the proper height & angle with ease
- Twist of 'T' handle allows you to rotate a full 360 degrees
- Heavy-duty steel construction – strong durable casters provide mobility for floor model stand
- Ears of engine stand yoke bolt to case of transaxle housing

98001, Bench Model Engine Stand

98079, Floor Model Engine Stand – UPS Shippable



VW/PORSCHE STEEL CLUTCH PILOT

- Aligns clutch disc with pressure plate and flywheel for ease & proper installation

98056



VALVE STEM SEAL INSTALLATION TOOL

- Use to install stock or aftermarket type seals – allows seal installation with valve in place

98101



VW SPRING REMOVAL TOOL

- Remove valve springs on assembled or disassembled engines – includes fitting to pressure combustion chamber to hold valves closed – Use on all VW 40HP & Later engines

98082



OIL PUMP PULLER

- Oil pump removal without damage to pump or engine case

98078



DISTRIBUTOR DRIVE PULLER

- Easy removal & installation of distributor drive pinion

98087



VW OIL PRESSURE PISTON PULLER

- For simple removal of oil pressure piston from engine case – All VW Type 1-4 engines

98089



AXLE NUT REMOVAL TOOL

- For use in removal of rear axle nut – use with 1/2" breaker bar

98083 36mm 98084 46mm





PRO DRAG FLANGE CRANKSHAFTS

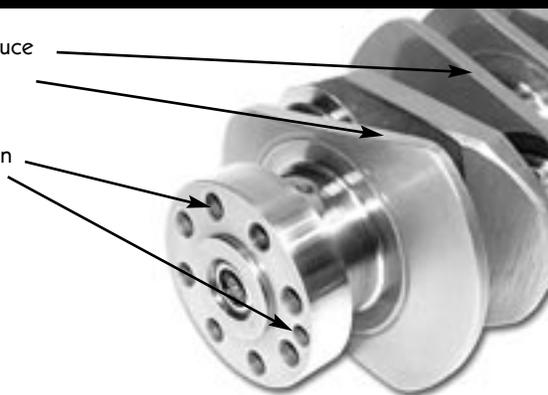
SCAT'S NEW AND IMPROVED LINE OF FLANGE CRANKS

The original flange crank was developed in 1972 by SCAT and has been steadily improved over the last 30 years. SCAT flange cranks are the choice of the fastest drag racers around the world who want to be the very best.

OUR CRANKS ARE OFTEN COPIED, BUT NEVER DUPLICATED.

FEATURES:

- All cranks feature fully-machined knife-edge counterweights to reduce horsepower robbing windage and 1.5 pounds of rotating mass
- SCAT's new straight "8" bolt pattern and 8mm locating dowel pin features SCAT/ARP exclusive 240,000 pound tensile strength
- 8 ARP 7/16" bolts are capable of handling 40% more horsepower and torque than the old method of 6 bolts



AND ALL OF THESE IMPROVEMENTS AT NO EXTRA CHARGES

All of SCAT's flange crankshafts are ground to exacting tolerances, magnafluxed, dynamically balanced, micropolished and most important, READY TO INSTALL.

SCAT flange crankshafts are made from only the finest virgin 4340 Chromoly Steel Billets. Each billet is forged into the shape of a VW crankshaft by a series of 12 operations using multi-cavity dies for maximum grain flow, combined with a 3-step heat-treating process, result in the strongest forging available anywhere. All SCAT flange cranks are nitrided which is a special surface hardening treatment for added strength and extended bearing life.

THIS PROCESS IS A SCAT EXCLUSIVE



SCAT's exclusive Straight-Shot Oil System to the connecting rods is the only lubricating system that will allow your performance engine to sustain RPMs above 6,500 without burning the rod bearings.

For your convenience we stock the most popular models as follows:

- 84-4114F** 84mm, Chevy Rod Journal, Type 4 Center Main.
- 84-4444F** 84mm, Chevy Rod Journal, Type 4 All Mains.
- 86-4114F** 86mm, Chevy Rod Journal, Type 4 Center Main.
- 86-4444F** 86mm, Chevy Rod Journal, Type 4 All Mains.
- 88-4444F** 88mm, Chevy Rod Journal, Type 4 All Mains.
- 90-4444F** 90mm, Chevy Rod Journal, Type 4 All Mains.



Other combinations are available. Please call our knowledgeable sales staff and let them help you with all of your flange crankshaft needs.



DON'T FORGET ABOUT SCAT'S HIGH-QUALITY LINE OF CRANKSHAFT ACCESSORIES PRO-DRAG 12-VOLT 4340 BILLET FLANGE FLYWHEELS

- Flywheel locates on 1, 8mm chrome vanadium crankshaft dowel pins and is positively locked into place with 8 ARP 2000 big head 7/16-20 12-POINT Bolts
- Machined to exact tolerances in our facility on the latest CNC machining center
- Rear of engine case must be machined to 4.003" (101.75mm) to accept rear oil seal
- Replaceable ring gear

- 60063** = 12-Volt 6 bolts 200mm Flywheel
60067 = 12-Volt 6 bolts 200mm Flywheel for J&G Floater Clutch Assembly
60068 = J&G Floater Clutch Assembly
60083 = 12-Volt 8 Bolts 200mm Flywheel
60087 = 12-Volt 8 Bolts 200mm Flywheel for J&G Floater Clutch Assembly
10074 = ARP 2000 Big Head 7/16-20 ARP 12-POINT Flywheel Bolts - Each
 (Torque 80-85 Foot Pounds)
10079 = Flywheel flange crank oil seal

SUPER FLANGE 'SPLIT' REAR MAIN BEARINGS

- For use with all SCAT VOLKSTROKER PRO-DRAG FLANGE CRANKSHAFTS
- Steel backed special alloy bearings
- For Type 1 or Type 4 Mains
- Available in all bearing sizes

Type 1 Main Journal

Standard Case

- 10078STD** = Standard Crank
1007825 = .010"/.25mm Crank
1007850 = .020"/.50mm Crank
1007875 = .030"/.75mm Crank

.020"/.50mm Oversize Case

- 1015850STD** = Standard crank
101585025 = .010"/.25mm Crank

Type 4 Main Journal

Standard Case

- 10213STD** = Standard Crank
1021325 = .010"/.25mm Crank
1021350 = .020"/.50mm Crank

.020"/.50mm Oversize Case

- 1021450STD** = Standard Crank
102145025 = .010"/.25mm Crank

SPECIAL TYPE 4 CENTER MAIN BEARINGS

- For crankshafts with TYPE 4 CENTER MAIN JOURNAL and TYPE 1 CASE BORE
- For use in SCAT KILLER or VW Type 1 - 3 cases

- 10204STD** = Std Case x Std Crank
1020425 = Std Case x .010 / .25mm Crank



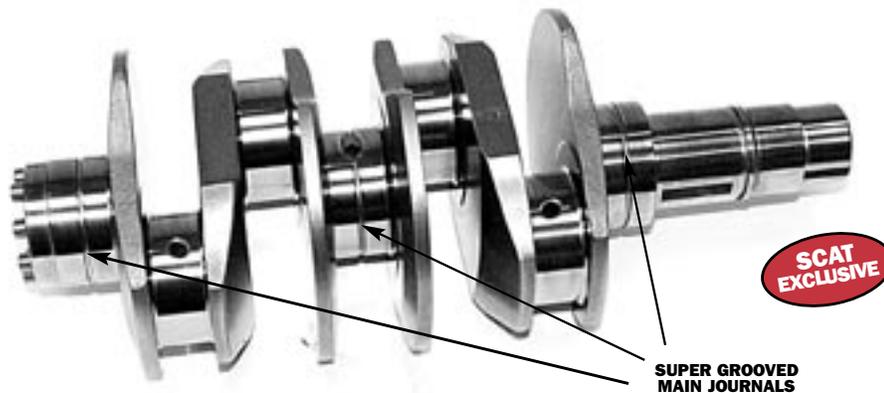
SCAT'S PRO-COMP LIGHTWEIGHT DOWEL PIN CRANKS

BUY THE BEST – INSIST ON A SCAT CRANKSHAFT FOR YOUR PERFORMANCE ENGINE

Our re-engineered dowel pin LIGHTWEIGHT cranks feature fully-machined knife-edge counterweights to reduce horsepower robbing windage. Special profiled throws reduce crankshaft weight by approximately 2 pounds, plus increase engine RPM acceleration and extend bearing life.

AND THERE ARE 8 IMPORTANT REASONS TO RUN A SCAT DOWEL PIN LIGHTWEIGHT CRANKSHAFT

- 1) GROUND TO EXACT SIZES, MAGNAFLUXED, DYNAMICALLY BALANCED AND MICROPOLISHED.
- 2) MANUFACTURED FROM THE FINEST VIRGIN 4340 CHROMOLY FORGED BILLETS.
- 3) EACH 4340 BILLET IS FORGED INTO THE SHAPE OF A DOWEL PIN CRANKSHAFT BY USING MULTI-CAVITY DIES AND HEAT TREATED.
- 4) 5/64" (2.0mm) RADIUS ON JOURNALS AND CHAMFERED OIL HOLES.
- 5) 8 CHROME VANADIUM DOWEL PINS INSTALLED - .400" LONGER THAN STOCK.
- 6) EXCLUSIVE STRAIGHT-SHOT OIL SYSTEM TO CONNECTING RODS PLUS CHAMFERED OIL HOLES ALLOW YOUR ENGINE TO SUSTAIN HIGH REV'S OVER 6500 RPM.
- 7) ALL PRO-COMP CRANKSHAFTS ARE ALL NITRIDED, WHICH IS A SPECIAL SURFACE HARDENING TREATMENT FOR ADDED STRENGTH AND REDUCED EXTENDED BEARING LIFE.



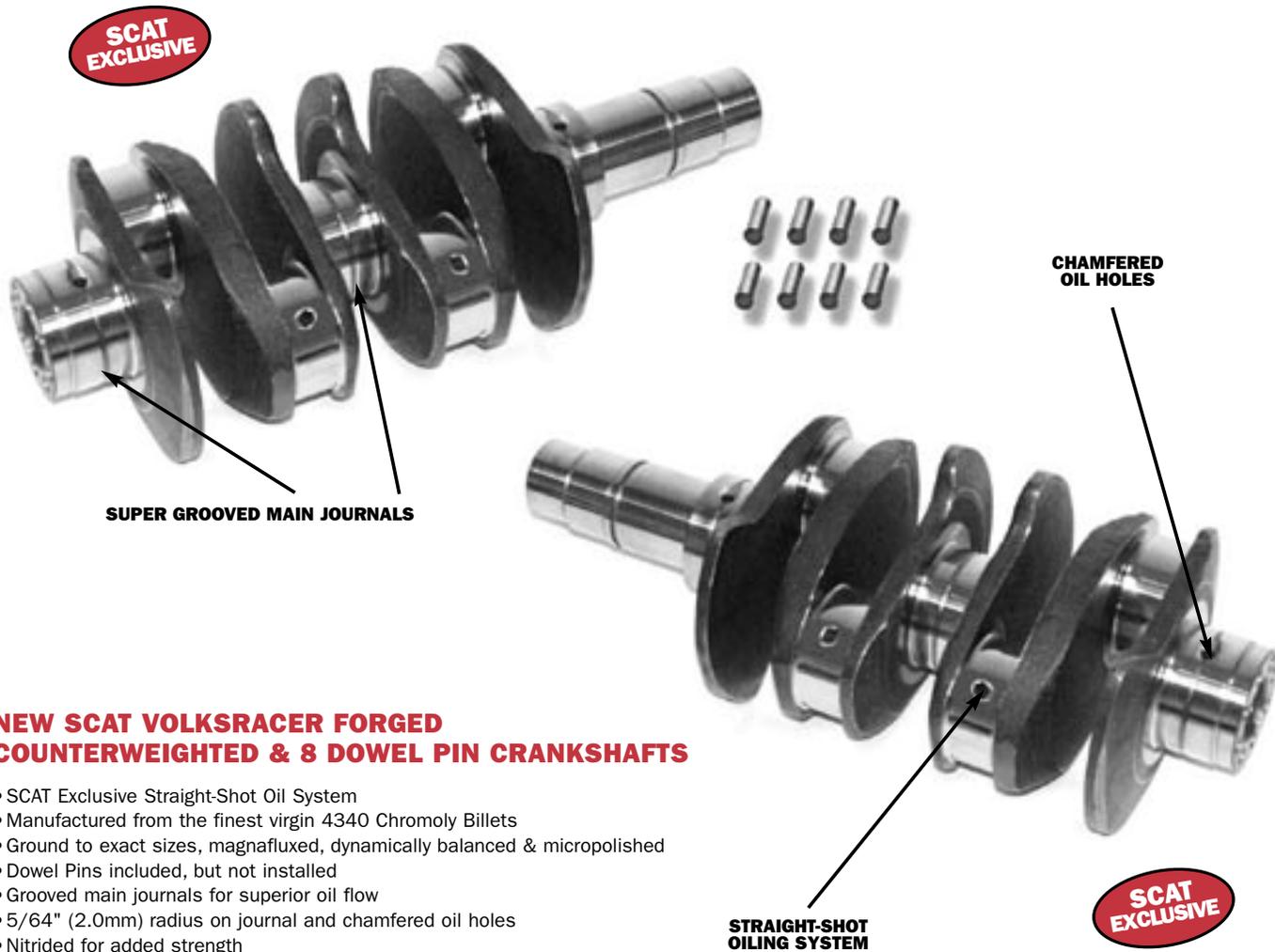
Do not confuse SCAT PRO-COMP CRANKSHAFTS OR SCAT QUALITY with "wannabe" welded stock crankshafts or inferior quality offshore imports! No other crankshaft or series of crankshafts on the market offers all these features – buy the best – insist on a SCAT Crankshaft for your performance engine.

SCAT stocks the following models, but others are available as well – please call our knowledgeable sales staff and let them help you with all of your dowel pin LIGHTWEIGHT crankshaft needs.

74-2111D 74mm, VW rod journal, Type 1 all mains.
 78-2111D 78mm, VW rod journal, Type 1 all mains.
 82-2111D 82mm, VW rod journal, Type 1 all mains.
 82-4111D 82mm, Chevy rod journal, Type 1 all mains.
 84-2111D 84mm, VW rod journal, Type 1 all mains.
 84-4111D 84mm, Chevy rod journal Type 1 all mains.
 74-2114D 74mm, VW rod journal, Type 4 center main.
 78-2114D 78mm, VW rod journal, Type 4 center main.
 82-2114D 82mm, VW rod journal, Type 4 center main.

82-4114D 82mm, Chevy rod journal, Type 4 center main.
 84-2114D 84mm, VW rod journal, Type 4 center main.
 84-4114D 84mm, Chevy rod journal, Type 4 center main.
 86-4114D 86mm, Chevy rod journal, Type 4 center main.
 88-4114D 88mm, Chevy rod journal, Type 4 center main.
 82-4444D 82mm, Chevy rod journal, Type 4 all mains.
 84-4444D 84mm, Chevy rod journal, Type 4 all mains.
 86-4444D 86mm, Chevy rod journal, Type 4 all mains.
 88-4444D 88mm, Chevy rod journal, Type 4 all mains.

SCAT VOLKSRACER FORGED COUNTERWEIGHTED & 8 DOWEL PIN CRANKSHAFTS



NEW SCAT VOLKSRACER FORGED COUNTERWEIGHTED & 8 DOWEL PIN CRANKSHAFTS

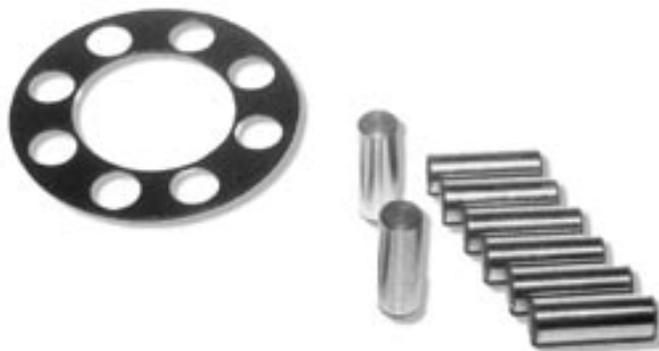
- SCAT Exclusive Straight-Shot Oil System
- Manufactured from the finest virgin 4340 Chromoly Billets
- Ground to exact sizes, magnafluxed, dynamically balanced & micropolished
- Dowel Pins included, but not installed
- Grooved main journals for superior oil flow
- 5/64" (2.0mm) radius on journal and chamfered oil holes
- Nitrided for added strength

- 101372 - 1 = 69mm x VW Pin, Type I Main
- 101398 - 1 = 78.8mm x VW Pin, Type I Main
- 101404 - 1 = 82mm x Chevy Pin, Type I Main
- 101402 - 1 = 82mm x VW Pin, Type I Main
- 101412 - 1 = 84mm x VW Pin, Type I Main
- 101414 - 1 = 84mm x Chevy Pin, Type I Main

CHROME VANADIUM CRANKSHAFT DOWEL PINS

- Longer than stock to ensure flywheel does not spin or come loose
- For VW Type 1-3
- Used on all SCAT VOLKSTROKER™ II Pro-Street, Pro-Comp & Pro-Drag Crankshafts
- Heat treated for maximum strength & precision ground to exact tolerances
- 8mm Diameter x .900 / 23mm Length

- 10056 = Set, Dowel Pins & Gaskets
- 10072 = 10 Pack, 8 Dowel Pin Gaskets
- 10056-200 = 200 Pieces, 8mm Dowel Pins - Bulk





CAST CRANKSHAFTS & ACCESSORIES

**THE PERFECT CRANK FOR THE BUDGET MINDED & STREET ENTHUSIAST
NO NEED TO WELD CORES – THE SCAT “ECONOMICAL” CAST CRANK IS HERE TO STAY**

INTRODUCING THE VOLKSTROKER III COUNTERWEIGHTED & 8 DOWEL PIN CRANKSHAFTS:

- For VW Type 1-3 Cases - low-budget counterweighted cranks
- Used with standard size VW 2.165"/.55mm journal connecting rods
- Eliminate engine vibrations and bearing wear
- Maximum performance up to 5,500 RPM/130 HP

10692 = NEW 69mm Counterweighted, 8 Dowel Crankshaft

10782 = NEW 78.8mm Counterweighted, 8 Dowel Crankshaft

NEW SCAT CRANKSHAFT TYPE I GEAR ASSEMBLY KIT

- For use with all Type 1 Crankshafts
- Replace worn or faulty parts with these quality components for proper timing of your engine

10207 = NEW CRANKSHAFT GEAR ASSEMBLY KIT

113105209 = Timing Gear

111105213 = Woodruff Key Timing Gear

111105223 = Distributor Drive Gear

111105227 = Crank Lock Ring

111105231B = Distributor Drive Pinion (not included in gear assembly kit)

**111105235A = Distributor Drive Washer .6mm Pinion
(not included in gear assembly kit)**

113105241A = Oil Slinger

113105249 = Woodruff Key Crank Pulley

10234 = Crankshaft Racer Spacer

For VW Type 1-3 40HP – 1600 Crankshafts

Racer Spacer fits completely around crankshaft to form a single steel band
Will Not Open-Up under high-stress conditions as is common with stock
“U” shaped gear spacers



SILICON REAR MAIN OIL SEAL

10225 = 40HP – 1600cc, Silicon

113105245F = 40HP – 1600

TYPE I & IV PERFORMANCE ENGINE MAIN BEARING SETS

- A must for all performance applications where reliability & longevity is essential
- Minimizes case distortion under heavy loads
- Sizes available for all crankshaft and engine case sizes

Type 1 Main Journal

Standard Case

111198461 = Standard Crank

111198463 = .010"/.25mm Crank

111198465 = .020"/.50mm Crank

111198467 = .030"/.75mm Crank

.020"/.50mm Oversize Case

111198471 = Standard Crank

111198473 = .010"/.25mm Crank

111198475 = .020"/.50mm Crank

Type 4 Main Journal

Standard Case

021198481A = Standard Crank

021198483A = .010"/.25mm Crank

021198485A = .020"/.50mm Crank

021198487A = .030"/.75mm Crank

.020"/.50mm Oversize Case

021198491A = Standard Crank

021198493A = .010"/.25mm Crank



HIGH-PERFORMANCE CONNECTING ROD BEARINGS

- For use with all SCAT SUPERLITE PRO-MOLY II and VW connecting rods
- Steel backed special alloy bearings
- A must for performance applications where reliability and longevity is essential
- Available in standard and oversize sets

VW 2.165"/55mm Rod Journal

113105701 = Standard Crank

113105707 = .010"/.25mm Crank

113105713 = .020"/.50mm Crank

113105719 = .030"/.75mm Crank

CHEVY 2.000"/51mm Rod Journal

10101STD = Standard Crank

1010125 = .010"/.25mm Crank

1010150 = .020"/.50mm Crank

1010175 = .030"/.75mm Crank





**IF YOU ARE NOT USING SCAT RODS,
YOU ARE SIMPLY "NOT CONNECTED!"**

"SIZE DOES MATTER"

3/8" BOLTS ARE STRONGER THAN 5/16" BOLTS



ALL OF OUR RODS ARE FINISH MACHINED AND BALANCED AT SCAT AND FEATURE:

- Computerized machining processes which hold aerospace type extremely close tolerances
- Center-to-center length +/- .001"
- Big end barrel/bellmouth/taper +/- .0002"
- Big end bore +/- .0002"
- Little end bore +/- .0002"
- Balanced end-for-end and packaged into sets of 4 +/- 1 gram
- SCAT 4340 high nickel & chrome content material insures the highest tensile strength and fatigue strength from the multi-step heat treating processes
- Rods are shot peened
- X-Rayed, Sonic tested and Magnafluxed

SCAT 3/8" H-BEAM CONNECTING RODS WITH ARP 2000 BOLTS



VW JOURNAL 2.165"/55mm PART NO.	CHEVY JOURNAL 2.000"/51mm PART NO.	ROD LENGTH
102502-3	102494-3	5.325"/135.2mm
102512-3	102514-3	5.394"/137.0mm
102532-3	102534-3	5.500"/139.0mm
		5.700"/144.8mm

SCAT 5/16" H-BEAM CONNECTING RODS WITH ARP 2000 BOLTS



VW JOURNAL PART NO.	CHEVY JOURNAL PART NO.	ROD LENGTH
102512-2	102494-2	5.325"/135.2mm
	102534-2	5.500"/139.0mm
		5.700"/146.18mm

SCAT 3/8" I-BEAM CONNECTING RODS WITH ARP 2000 BOLTS



VW JOURNAL PART NO.	CHEVY JOURNAL PART NO.	ROD LENGTH
ICR5394-3		5.394"/137.0mm
ICR5500-3	ICR5500-34	5.500"/139.0mm
ICR5600-3		5.600"/141.5mm

ARP/SCAT BOLTS & LUBE

- 4AJ1.601-2SLU = ARP 2000 ROD BOLT 3/8" — 230,000 PSI - torque spec = 48 PSI
- 3AG15052U = ARP 2000 ROD BOLT 5/16"
- 100-9902 = ARP MOLY ASSEMBLY LUBE 1/2" OZ.

VW O.E.M. TYPE I CONNECTING RODS

- Magnafluxed & Shot Peened - Big and Small Ends Sized to Standard Journal
- Matched & Balanced Into Sets of 4

Connecting Rods

311105401B = Recondition Standard VW Type I Journal





CLUTCHES & FLYWHEELS SERIES 60



SCAT EXCLUSIVE

SCAT CHROMOLY 12.5 LBS. NEW FORGED STEEL & IRON FLYWHEELS

- Drilled for SPG offset pattern 8 dowel pins
- 130 tooth (12-Volt) ring gear is hobbled directly from forging and is induction hardened
- Clutch face is precision ground to insure quick, smooth clutch action
- Fits all SCAT VOLKSTROKER Crankshafts and 8 Dowel Pin Type 1-3 Cranks
- Increased engine life plus faster acceleration

60007 = FORGED 12-Volt, 1-piece, 8 Dowel, 200mm Chromoly Flywheel

60007-1 = IRON 12-Volt, 8 Dowel, Replaceable Ring Gear VW Flywheel

60030 = Replacement Flywheel O-Ring Seal

10220 = Crankshaft End Play Shims

DURABLE VW TYPE 1-3 CLUTCH DISCS

- Heat- and wear-resistant Metal Woven lined face
- For longer trouble free operation under heavy-duty conditions
- 180mm or 200mm sizes with Rigid or Spring type Hubs
- Replaces original equipment perfectly

60012 = 200mm w/Solid Hub

60042 = 200mm w/Spring Hub

60015 = 180mm w/Spring Hub

SCAT 4-PUCK FERAMIC COMPETITION CLUTCH DISCS

- DESIGNED AND MANUFACTURED FOR 30 YEARS BY SCAT – EXCLUSIVELY RECOMMENDED AND USED BY THE BEST VW ENGINE BUILDERS IN THE WORLD!
- Special Feramic Pads are bonded & riveted to a strong steel center plates
- Pads are not affected by oil, grease or heat
- Instant clutch response – withstands punishment of off-road and competition demands
- Not recommended for street use

<u>Part no.</u>	<u>Clutch Size</u>
60046	200mm

QUICK*SILVER LIGHTWEIGHT 4-PUCK STAINLESS STEEL RACING DISC

- Disk plate made from High Carbon Stainless Steel for Strength
 - Heat-Treated and Long Splined Drive Hub adds control
 - Copper + Feramic Pads Grab or Slip Rate is Controlled by Pressure Plate LBS.
- Grabs Hard = 2500lbs. Pressure or Slips into engagement = 1700lbs. Pressure**
- Lightweight Balanced Design Cuts thru Windage and keeps Pads Working
 - Race Proven to Decrease Drag Times (Damon Harmon)
 - Thicker Pads for Longer Life and Better Surface Contact with Flywheel and Clutch Shoe

60046S = QuickSilver Lightweight 4-Puck Stainless Steel Racing Disc

SCAT 4340 CHROMOLY BILLET 1-1/2" HEX GLAND NUT & HEAVY-DUTY WASHER

- Heat treated Gland Nut & Washer for maximum strength
- 1-1/2" HEX HEAD for maximum surface area insures even pressure on flywheel when tightening flywheel to crankshaft & thicker cross section for added strength
- Can be torqued to 350LBS. without fear of breakage or stretch
- Please use with all SCAT VOLKSTROKER Crankshafts & other after market performance crankshafts

60025 = Chromoly 1-1/2" Hex Gland Nut & Washer

60026 = .250" Longer Thread Chromoly Gland Nut & Washer

60036 = Heat-Treated H.D.Gland Nut Washer

60069 = Special 1-1/2" Hex Socket for 1/2" drive



CHROME VANADIUM CRANKSHAFT DOWEL PINS

- Longer than stock to ensure flywheel does not spin or come loose
- For VW Type 1-3
- Used on all SCAT VOLKSTROKER™, Pro-Comp, Pro-Drag and VOLKSRACER Crankshafts
- Heat treated for maximum strength & precision ground to exact tolerances
- 8mm Diameter x .900 /23mm Length

10056 = Set, Dowel Pins & Gaskets

10072 = 10 Pack, 8 Dowel Pin Gaskets

10056-200 = 200 Pieces, 8mm Dowel Pins – Bulk

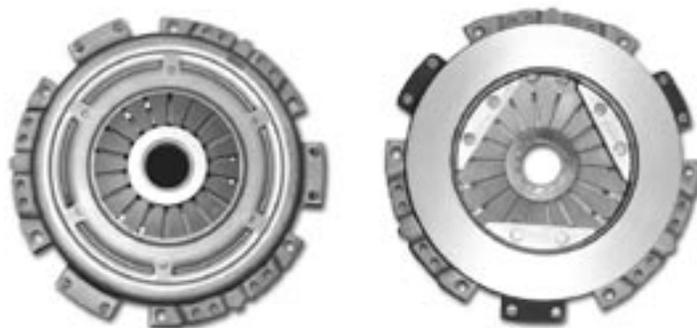


SACHS 200mm H.P. CLUTCH COVER

- Designed for “stop & go” street driving
- Works great with 1600-1915 engines
- Multi-Finger diaphragm sets face pressure at approximately 1200 lbs.

311141025E = Early Swing axle 200mm pressure plate with collar

311141025C = Late I.R.S. 200mm pressure plate without collar



KENNEDY RACING 2000LB. & 2500LB. MULTI-FINGER CLUTCHES

- Balanced with-in 0.4 oz.
- 100% Load Tested and Jig Assembled to Insure Proper Pressure
- Contact Face is High-Tensile Cast-Iron Alloy for Maximum Strength

KEP1700 = 1700 LB. Multi-Finger Racing Clutch E&L – Stage I

KEP2100 = 2100 LB. Multi-Finger Racing Clutch E&L – Stage II

KEP2500 = 2500 LB. Multi-Finger Racing Clutch E&L – Stage III



GERMAN QUALITY HEAVY-DUTY ROLLER THROW-OUT BEAR

- Special ball bearing type – replaces stock carbon-type bearing
- Ensures smoother improved clutch operation with reduced effort
- Longer wearing than stock type bearings

111141165A = Early Bearing thru '70

111141165B = Late Bearing '71 & later

111141177 = H/D Release Bearing Clip



HEAVY-DUTY CROSS SHAFT

- New shafts feature heavy steel bearing fingers and shaft
- Welded 360 degrees around bearing fingers
- Stronger than stock
- Swing Axle or IRS, Type 1 & 3

70150 = Heavy-Duty Early '70 & Earlier

70243 = OEM Late '71 & Later IRS





TYPE IV-914/4 & PORSCHE 912 SPECIAL SECTION

SCAT TYPE 4 VOLKSTROKER 4340 CHROMOLY BILLET CRANKSHAFTS

- For use with VW Type 4 or 914/4 1.7 & 1.8 Cases
- Ground to exacting tolerances, magnafluxed, dynamically balanced and micro polished
- Straight-shot oiling system with chamfered oil holes for positive oiling
- NITRIDED for added strength and extended bearing life



PART NO.	STROKE	ROD JOURNAL SIZE	
		CHEVY	TYPE 4
		2.000"	1.968"
		51mm	50mm
10227	71mm	-4	-6
10228	74mm	-4	-6
10229	78mm	-4	-6
10230	80mm	-4	-6
10231	82mm	-4	-6
10232	84mm	-4	-6
10233	86mm	-4	-6

When ordering use part number and add suffix for rod journal
Example: 78mm stroke w/Type 4 2.0 Liter Rod = 102296

PRO-MOLY II FORGED 4340 CHROMOLY H-BEAM CONNECTING RODS & BEARINGS



- Super strong H-Beam construction
- ARP 2000 12-Point Bolts
- Dowel Pinned Cap and Beam for Perfect Alignment
- Balanced Into Sets of 4 and Clearanced for Stroker application
- All lengths available to maintain optimum rotation with Stroker cranks

PART NO.	ROD LENGTH
102494	5.325"/135.25mm
102514	5.500"/139.0mm
102534	5.700"/144.8mm

ROD BEARINGS

Crank	Chevy
Journal	2.000"
Diameter	51mm
Standard	10101STD
.010"/.25mm	1010125
.020"/.50mm	1010150
.030"/.75mm	1010175

SCAT 1-1/2 QUART TYPE 4/914-4 FINNED ALUMINUM OIL SUMP



- Helps prevent oil starvation during hard cornering, high-speed slaloms and acceleration
- Made in U.S.A. by SCAT
- 356-T6 Aircraft Quality Aluminum
- Metal oil pickup tube included with installation hardware

50020 = 1-1/2 QUART TYPE 4 / 914 FINNED 356-T6 ALUMINUM OIL SUMP

SCAT PERFORMANCE TYPE IV LIFTERS



- Finest quality – made from special hardened iron billets
- Exclusively made by SCAT with proper radius ground on face
- Precision radius ground on face to insure long life under increased valve tension, lift and RPM loads
- Must be used with SCAT Performance Camshafts to insure warranty
- 8-Piece Set

20091 = SCAT Performance Type IV Lube-A-Lobe Solid Lifters
20091H = SCAT HYDRAULIC Performance Type IV Lifters



TYPE IV/914-4 103mm BIG BORE KITS

- J&E Forged Aluminum or Cast KB Hypereutectic Pistons
- Cast Ductile Iron Cylinders
- 3-Piece Segmented Performance Rings

15177 = 22mm Piston pin w/1.110" Height

**15178 = 24mm Piston Pin w/1.180" (80mm),
1.281" (75mm), 1.361" (71mm stroke)**

* Please Specify Piston Pin Height When Ordering *

Kits w/Cast KB Hypereutectic Pistons

15179 = 22mm Piston Pin w/1.110" Pin Height (80mm stroke)

154103RS = 103mm Type IV Rings Set



SCAT TYPE IV PERFORMANCE CAMSHAFTS, GEARS & CAM BEARINGS

- All profiles thoroughly developed and tested by SCAT to insure maximum cylinder head flow and horsepower
- Ground from NEW BILLET BLANKS
- Cam flange has been drilled & tapped for a bolt-on style cam gear
- Wiz-lock flange 5/16-24 Grade 8 bolts included

TYPE IV CAMSHAFTS

20086 = .430"/10.922mm x 276 Degrees

20087 = .490"/12.446mm x 275 Degrees

20088 = .521"/13.233mm x 286 Degrees

20089 = .532"/13.513mm x 296 Degrees

TYPE IV GEARS & BEARINGS

021198541 = TYPE 4 Cam Bearing Set

20171STD = Performance Bolt-On Cam Gear

20151S = STRAIGHT-CUT CAM GEARS



BALL BURNISHED ALUMINUM TYPE IV VALVE COVERS

- Cast Aluminum for perfect fit
- Completely finned for high heat dissipation
- Designed to clear all high-lift rockers & camshafts
- Polished to a high-luster finish
- Gaskets & mounting hardware included

80243 = Polished Aluminum Type 4 Valve Covers



PORSCHE 356 - 912 SPECIAL SECTION

SCAT PORSCHE 912 4340 NITRIDED CHROMOLY BILLET CRANKSHAFTS, GLAND NUTS & OIL SUMPS

- Superior to all factory & aftermarket crankshafts in material, workmanship and longevity
- Eight (8) extra-long Chrome Vanadium Dowel Pins for stronger flywheel attachment
- Factory counterweight configuration and dynamically balanced or super-lite
- Oil galleys are drilled & tapped with a threaded plug installed for ease of cleaning
- Factory Porsche oil system for superior oiling throughout the RPM range

10912 = 74mm Stroke x Porsche 912 Journal (53mm) BILLET Crankshaft

10912L = SUPER-LITE 74mm Stroke x Porsche 912 Journal (53mm) BILLET Crankshaft

50024 = 1-1/2 QUART PORSCHE 912, 356 FINNED OIL SUMP

60912 = SCAT 4340 Chromoly Porsche Gland Nut & Washer

Note – Custom strokes available upon request.

ROD BEARINGS

Crank	Porsche
Journal	2.086"
Diameter	53mm
Standard	1031-4202
.010"/.25mm	1031-4252
.020"/.50mm	1031-4262
.030"/.75mm	1031-4272





BIG BORE PISTON KITS & GAPLESS RINGS SERIES 15

MAHLE TYPE 1-3 FORGED PISTON & CYLINDER KITS

- Bolt-on displacement for increased horsepower and torque
- Bolts directly to engine case and heads – cases and heads must be machined to accept larger cylinders on applications as indicated
- Graphite Impregnated Forged Pistons & Cylinders with Longer Cooling Fins
- Kits Include Forged Pistons, Wrist Pins, Locks, Performance Ring set and Extra-Thick Cylinders



Part Number	Bore	Stroke	Ring Groove			
			Top	2nd	Oil	
15120 =	85.5	69	2.0	2.0	5.0	Forged Bolt-In
15121 =	87.0	69	2.0	2.0	5.0	Forged Bolt-In
15162 =	88.0	69	1.5	1.5	5.0	Forged Bolt-In
15122 =	88.0	69	1.5	1.5	5.0	Forged Machine Fit
15123 =	90.5	69	1.5	2.0	4.0	Forged Machine Fit
15124 =	92.0	69	1.5	2.0	4.0	Forged Machine Fit
15145 =	90.5	82	1.5	2.0	4.0	Forged Machine Fit or 69mm with 5.600 rod
15125 =	92.0	82	1.5	2.0	4.0	Forged Machine Fit or 69 mm with 5.600 rod
15153 =	94.0	69	1.5	2.0	4.0	Forged Machine Fit
15154 =	94.0	82	1.5	2.0	4.0	Forged Machine Fit or 69 mm with 5.600 rod
15006 =	85.5	69	2.0	2.0	5.0	Cast Bolt-In
15007 =	87.0	69	2.0	2.0	5.0	Cast Bolt-In

FORGED ALUMINUM PISTON & CYLINDER KITS TYPE 1 - 3

- 94mm & 101.6mm bore cast-iron cylinders machined to your specified length
- Wiseco Slipper-skirted lightweight forged aluminum racing pistons
- Lightweight Wrist Pins & Clips

- 15173 = 101.6mm Kit (Specify cylinder length 4.500; 4.600 or 4.800)
- 15194 = Stroker 94mm Bore Racing Cylinder Set
- 15195 = 94mm Stroker Race Cylinder and Lightweight Wiseco Piston Kit
- 15195UP = 94mm Stroker Race Cylinder and Lightweight Wiseco Piston Kit - With Valve Pockets
- K001ES = Wiseco Forged 94mm 2x2x4 T1 Piston/Ring/Pin Set
- K001ESV = Wiseco Forged 94mm Pistons w/o Valve Pockets 2x2x4 Ring Set

TOTAL SEAL GAPLESS RACING COMPLETE AND 2ND RING SETS

- Horsepower and Torque is increased by Reducing BLOW-BY
- Reduced BLOW-BY = Longer Engine Life and Better Gas Mileage
- Sold in Sets of 4 for One Complete Engine
- Adds 10% More Power

Total Seal	Fits Piston	Total Seal	Fits Piston
2nd Rings only	Grooved:	2nd Rings only	Grooved:
15176 = 85.5mm	.0787"/2.0mm	15138 = 92.0mm	.0787"/2.0mm
15171 = 88.0mm	.0591"/1.5mm	15143 = 94.0mm	.0787"/2.0mm
15146 = 90.5mm	.0787"/2.0mm	151016 = 101.6mm	.0625"/ 1/16"

* FOR COMPLETE RING SET, ADD RS TO ABOVE PART NUMBERS

GRANT LIGHTWEIGHT PERFORMANCE RING SETS

Part Num.	Bore	*Ring Groove			Part Num.	Bore	*Ring Groove		
		Top	2nd	Oil			Top	2nd	Oil
15126 =	85.5mm	2.0	2.0	5.0	15155 =	90.5mm	1.5	2.0	4.0
15127 =	87.0mm	2.0	2.0	5.0	15130 =	92.0mm	2.0	2.0	4.0
15128 =	88.0mm	1.5	1.5	5.0	15156 =	92.0mm	1.5	2.0	4.0
15129 =	90.5mm	2.0	2.0	4.75	15157 =	94.0mm	1.5	2.0	4.0

*Metric



TEFLON PISTON PIN BUTTONS

- SCAT Teflon Pin Buttons are lightweight, completely safe & race proven

Teflon Pin Buttons for 75mm Length Pins – 8-Piece Set

15161 = 85.5mm

15163 = 90.5mm

15164 = 92.0mm

15165 = 94.0mm

15188 = 88.0mm



PRECISION TYPE 1-3 CYLINDER SPACERS

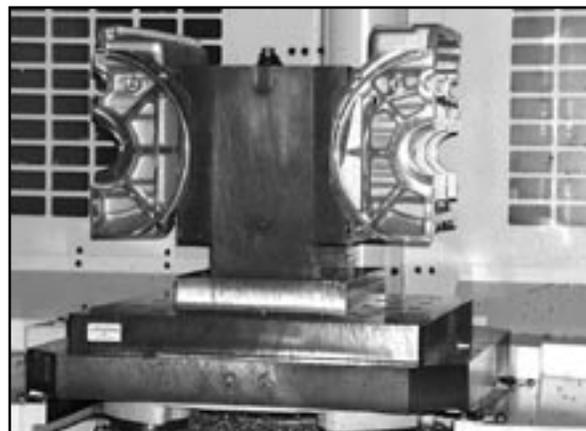
- For proper deck height and compression ratios
- Eliminates machining heads, pistons or cylinders
- 4-piece set

	.25mm	.50mm	1.0mm	2.5mm	4.5mm	5.5mm	6.5mm	7.5mm
<i>Cylinder Application</i>	.010"	.020"	.040"	.098"	.177"	.217"	.256"	.300"
85.5-88.0mm, Bolt-In Only		15100	15101					
92 & 90.5mm w/92.0 register	15032	15102	15103	15044	15045	15046	15047	15048
94mm	15158	15159	15160	15166	15167	15168	15169	15170

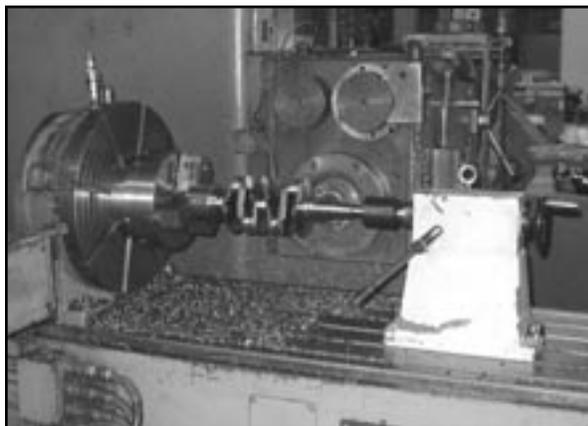
THE SCAT MINI TOUR



SCAT pulleys are machined from billet aluminum and micropolished to a fine luster.



This is where engine cases are mounted and prepped for the CNC machine.



SCAT crankshafts are precision ground on our state-of-the-art CNC machines right here in the U.S.A.



SCAT aluminum oil sump are CNC machined to exact tolerances for a perfect fit and seal.



HI-REV™ CAMSHAFTS & ACCESSORIES SERIES 20

ALL SCAT CAMSHAFTS HAVE THESE GREAT FEATURES:

- RACE PROVEN CAMSHAFT Profiles Designed For All Types Of Engine Applications
- All specifications are at the valve using a .050" checking clearance
- Consistent lobe hardness all the way to the core center (Chilled Cast)
- Material is compatible and uniform with 20018 lifters (55-60 RC)
- Tough enough to stand up to high valve spring pressures
- Larger lobe heel for smoother rotation and strength
- Reinforced and clearanced were it counts



PRO-COMP & DRAG HARDCORE EARLY TYPE I BOLT-ON GEAR RACING CAMSHAFTS

STREET AND OFF-ROAD — ORIGINAL HARDCORE GRINDS FOR 1.1:1 & 1.25:1 ROCKERS

108 LOBE CENTERS

PART NO.	GRIND	LIFT AT CAM LOBE	LIFT WITH 1.10:1 ARM	LIFT WITH 1.25:1 ARM	ADVERT. DURATION	DURATION AT .050"	SIMILAR CAM GRINDS
20003	C20	.320"	.352"	.400"	277	234	FK-41
STOCKER PLUS = 1600 - 1776cc LOW- TO MID-RANGE POWER & IDEAL WITH 1.40:1 ROCKER ARM (1000 - 5000)							
20004	C25	.332"	.365"	.415"	272	234	W-100
HILL CLIMBER = 1600 - 1776cc LOW-END TORQUE FOR HEAVY BUSES OR OFF-ROAD BUGGY (1000 - 5000)							
20005	C35	.381"	.419"	.476"	285	246	W-110
BUG MASTER = 1776 - 2027cc HOTTEST ALL-AROUND POWER FOR STREET OR OFF-ROAD (1500 - 5500)							
20006	C45	.390"	.429"	.488"	298	262	W-125
STREET RACER = 1915 - 2275cc PERFECT FOR STREET / STRIP / OFF-ROAD (4000 - 6500) DUAL SPRINGS ONLY							
R = CAMSHAFT SOLD WITH 20170STD CAM GEAR: 20003R, 20004R, 20005R AND 20006R							

COMPETITION — STROKE RELIEVED HARDCORE GRINDS FOR 1.25:1 & 1.40:1 ROCKERS

108 LOBE CENTERS

PART NO.	GRIND	LIFT AT CAM LOBE	LIFT WITH 1.25:1 ARM	LIFT WITH 1.40 ARM	ADVERT. DURATION	DURATION AT .050"	SIMILAR CAM GRINDS
20006C	C45	.390"	.488"	.546"	298	262	W-125
STREET RACER = 1915 - 2275cc PERFECT FOR STREET / STRIP / OFF-ROAD (4000 - 6500) DUAL SPRINGS ONLY							
20121C	C95	.416"	.520"	.582"	294	262	FK-8
PRO COMP 1 = 2027 - 2332cc WIDE POWER BAND & EXCELLENT ACCELERATION (3500 - 6500) DUAL SPRINGS							
20007C	C55	.410"	.513"	.574"	310	271	FK-10
PRO COMP 2 = 2027 - 2332cc SUPERIOR POWER BETWEEN MID- TO HIGH-RPM (4500 - 7000) DUAL SPRINGS							
20008C	C65	.413"	.516"	.578"	309	274	W-140
PRO TRACK = 2110 - 2332cc EXCELLENT FOR HEAVY CARS RUNNING HIGH-RPMs (4500 - 7000) DUAL SPRINGS							

ALL COMPETITION CAMSHAFTS ARE STROKE RELIEVED OR CLEARANCED FOR LONGER STROKE CRANKSHAFTS

DRAG RACER — STROKE RELIEVED HARDCORE GRINDS FOR 1.40:1 & 1.50:1 ROCKERS

108 LOBE CENTERS

PART NO.	GRIND	LIFT AT CAM LOBE	LIFT WITH 1.40:1 ARM	LIFT WITH 1.50:1 ARM	ADVERT. DURATION	DURATION AT .050"	SIMILAR CAM GRINDS
20169C	C89	.410"	.574"	.615"	318	274	FK-87
SUPER STREET = 2110 - 2500cc DESIGNED FOR HEAVY DRAG CARS AND LARGE TIRES (5000 - 8000)							
20095C	C85	.409"	.573"	.614"	324	287	FK-89
PRO STOCK = 2275 - 2700cc GREAT FOR LIGHT DRAG CARS WITH LARGE TIRES (5500 - 8500)							
20009C	C75	.425"	.595"	.638"	322	294	FK-98
PRO MOD = 2275cc - 2900cc MORE LIFT AND DURATION TO MAKE BIG POWER (5500 - 9000)							

ALL DRAG RACER CAMSHAFTS ARE STROKE RELIEVED OR CLEARANCED FOR LONGER STROKE CRANKSHAFTS
TORCO CAMSHAFT LUBE AND WIZ-LOCK GRADE 5 BOLTS INCLUDED WITH CAMSHAFT

HI-REV™ TYPE I VALVETRAIN & CAMSHAFT KITS FOR TROUBLE-FREE INSTALLATION

- Simple to order – just select your camshaft and everything else is included
- Kits include camshaft, camshaft gear, lifters, valve springs, retainers & valve keepers

20050 = Cam Kit with C20 Cam – Single Springs

20051 = Cam Kit with C25 Cam – Single Springs

20052 = Cam Kit with C35 Cam – Single Springs

20053 = Cam Kit with C45 Cam – Dual Valve Springs

STROKER HARDCORE CHILLED CAST CAMSHAFT BLANK

2000700CF = Stroker Hardcore Chilled Cast Camshaft blank



SCAT HIGH-PERFORMANCE CAMSHAFT, LIFTER AND OIL-PUMP KIT

- 10 % to 15% increase in horsepower and decrease in oil temperature
- Kit includes a set of SCAT Lightweight racing lifters, HI-REV camshaft with gear and a High-Volume 26mm oil pump
- Both the camshaft and lifters are made from compatible materials to perform in unison
- Both the camshaft and oil pump are Wedge-Keyed for ultimate pumping strength

20004RL = C25 Camshaft, 26mm Pump, Lightweight Lifters

20005RL = C35 Camshaft, 26mm Pump, Lightweight Lifters



TYPE I PERFORMANCE CAMSHAFT BEARINGS

- For use with SCAT KILLER™ or VW Type 1-3 40HP-1600 cases
- A must for any performance application where reliability & longevity are essential

111198541 = Set - Single Thrust Cam Bearing

111198541H = Set - Double Thrust Cam Bearing

HI-REV™ SILICON VALVE SPRING, RETAINER & KEEPER KITS

- Springs will not fatigue and will allow valve float with high RPM usage
- For use with VW Type 1-4 Cylinder Heads
- Complete pack includes Chrome Silicon Valve Springs, Performance Valve Spring Retainers & Valve Keepers

20138 = Single Springs with Aluminum Retainers

20179 = Dual Springs with 4130 Chromoly Steel Retainers

- guide bosses need to be machined



HI-REV™ RACING TYPE I - IV CHROME SILICON VALVE SPRINGS

- COIL BIND AT .900" = 230 LBS. SINGLE & 340 LBS. DUAL SPRING
- OVER ALL SPRING LENGTH (OUTER = 2.400") (INNER = 2.025")
- HEAT TREATED TO INSURE A LONG LIFE WITHOUT LOSING SEAT PRESSURE

20011 = Single Springs 1.550" installed height = 135 LBS. seat pressure

20085 = Dual Springs 1.550" installed height = 175 LBS. seat pressure

- machine valve guide boss

20112 = Chevy Size Racing Dual Valve Springs - Split-Port



HI-REV™ TYPE I - IV VALVE SPRING RETAINERS

- Lightweight 6061-T6 Aluminum or 4140 Chromoly Steel
- Heat-Treated for Strength & Reliability
- 8-Piece Set

20016 = HI-REV 6061-T6 Aluminum Retainers for Single Springs

20137 = HI-REV 4140 Chromoly Retainers

20111 = High-Pressure Racing Retainers



PRO-COMP HEAT-TREATED ALUMINUM BOLT-ON CAMSHAFT GEARS

- For use with Type 1-3 '71 & Earlier camshafts & all SCAT Performance Camshafts with camshaft gear flange drilled & tapped 5/16-24

20170STD = Bolt-on High-Performance Aluminum Camshaft Gear



PRO-DRAG 4340 CHROMOLY STRAIGHT-CUT STEEL CRANK & CAM GEAR SET

- LIGHTWEIGHT SET WITH SOLID NON COUNTER SUNK 5/16-24 CAM GEARS HOLES
- Cam Gear gives precision cam timing at 1-degree increments advance or retard
- No more inaccurate washers to lose or come loose

20150S = Racing Hole Straight-Cut Gear Set

20150W = Billet Steel Washer in Slot Gear Set



HI-REV VALVE SPRING SHIMS

- Set and maintain proper valve spring tension and installed heights
- High quality - highly accurate
- 8-Piece Set

For use w/Single Springs

20115 = .015"

20014 = .030"

20044 = .060"

For use w/Dual Springs

20117 = .015"

20116 = .030"





HI-REV™ LIFTERS & PUSHRODS SERIES 20



.024" OIL HOLE

LUBE-A-LOBE LIGHTWEIGHT SOLID RACING LIFTERS

- .024" oil hole through lifter body and wide head
- Reduces lifter and camshaft lobe wear and friction
- Increases horsepower and constant lobe lubrication
- NASCAR and NHRA technology comes to the VW racer

20018L = Set of 8



HI-REV™ LIGHTWEIGHT TYPE I SOLID RACING LIFTERS – THE RACERS PREFERRED CHOICE

- 10% more head surface area to reduce friction and wear
- The lifter heads are clearanced for high-lift camshafts
- Manufactured from chilled quenched hardened billets
- Wider oil reservoir grooves for better lubrication at higher RPMs
- 6 grams lighter than O.E.M. German Lifters
- Proper 60-degree Radius Head

20018 = HI-REV LIGHTWEIGHT RACING LIFTERS – 8-Piece Set

20018-200 = HI-REV WEIGHTWEIGHT TYPE I LIFTERS – 200 Pieces Bulk



6061-T6 ALUMINUM CUT TO LENGTH 3/8" PUSHRODS

- Fit with long heat-treated steel tips for use with high-lift camshafts without pushrod tube interference
- 11/500" (292.1mm) long – must be cut to length – see SCAT #98094 Pushrod Measuring Tool
- LIGHTWEIGHT 8-Piece Set

20119 = 6061-T6 Aluminum CUT TO LENGTH Pushrods

20119- LENGTH = Scat Mfg. Will Cut To Length

& Install Tips (6 set minimum)



MANTON HI-REV™ 4140 CHROMOLY CUT TO LENGTH 3/8" "SEAMLESS PUSHRODS"

- Heat treated extended steel tips assure proper seating in both lifter and rocker arm bore cups and will not wear out while under extreme conditions
- 11.500" (292.1mm) long – must be cut to length – see SCAT #98094 Pushrod Measuring Tool
- Dry Oil Coating Protects Contact Surfaces

20172 ADD 3/8" X .058" Wall

20173 = 4140 Chromoly CUT TO LENGTH .3750" Pushrods

20173-LENGTH = Scat Mfg. Will Cut to Length

+ Installs Tips (6 set minimum)



PRO STREET HEAT-TREATED CUT TO LENGTH & FIXED 5/16" STEEL PUSHRODS

- Assembled for 1300-1600cc or Cut To Length 11.500" length for use with longer stroke engines
- Economically Priced + Light-Weight + Durable

20020 = .3125" Fixed Steel Pushrods 1300-1600cc

20068 = PRO STREET Cut To Length .3125" Steel Pushrods – 11.500"

20068 = LENGTH = Scat Mfg. Will Cut To Length

& Install Tips (6 set minimum)

BIG MOUTH O-RING SEALED PUSHROD TUBES

- Eliminates pushrod rubbing against tube walls
- Spring loaded for sealing tension + easy installation
- 6061-T6 sleeves are sealed together with Viton O-rings
- Clearanced for high lift camshafts and rockers
- 20% Bigger in diameter than stock

20176 = BIG MOUTH O-RING SEALED PUSHROD TUBES (SET OF 8)

20177 = BIG MOUTH O-RING SEALED PUSHROD TUBES (EACH)

20176R01 = REPLACEMENT O-RINGS (EACH)



ADJUSTABLE DOUBLE O-RING SEALED SOLID GOLD ALUMINUM PUSHROD TUBES

- POSITIVE SEALING FOR EITHER TYPE I OR IV
- Internal spring – Gold Anodized finish make them smooth & attractive
- Double O-Ring and Tube End seals to leak-proof installations
- May be removed in minutes for quick pushrod replacement without having to remove cylinder head

20175 = Adjustable Pushrod Tubes – Set of 8 for one complete engine

20174 = Adjustable Pushrod Tubes – Single Replacement

20174006-1 = Replacement O-Rings (EACH)



BLUE HIGH-TEMP NYLON 66 ADJUSTABLE PUSHROD TUBES THE ORIGINAL – NOT A CHEAP IMITATION.

- Designed & developed by SCAT AND MADE IN THE U.S.A.
- Special heat resistant NYLON 66 + GALVANIZED Springs & End Seals for a tight seal - will not leak!
- For quick pushrod changes without removing engine or cylinder heads
- High-heat and impact resistant
– WILL NOT MELT LIKE THOSE BLACK PLASTIC COPIES

20191 = BLUE HIGH TEMP NYLON 66 – Set of 8 for one complete engine

20192 = BLUE HIGH TEMP NYLON 66 – Single Replacement



HIGH TEMP PUSHROD TUBE END SEALS

- Longer lasting and Durable Seals

043109345A = HIGH TEMP Pushrod Tube End Seals – 100 Pieces



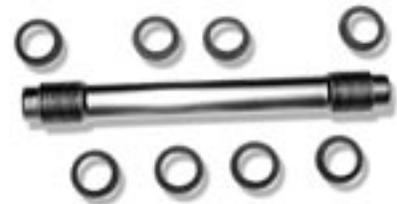
STOCK REPLACEMENT METAL PUSHROD TUBES

- For VW Type 1-3 40HP – 1600cc engines
- Use with stock or performance engines
- Recommend replacement whenever engine is being overhauled
- Quality stock replacements

113109335 = 40HP

311109335 = 1300 – 1600

311109335C = 1300 – 1600 Black Chrome Plated

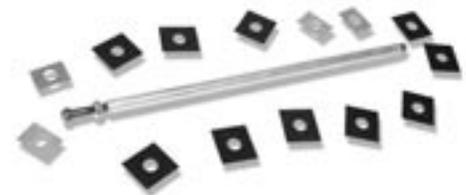


SCAT ROCKER ARM GEOMETRY KIT/PUSHROD MEASURING TOOL

- Tool designed to get exact measurements for custom pushrod applications
- Full-size pads fit beneath and support rocker arm blocks and are used to obtain correct rocker arm geometry
- Measuring tool plus selection of three (3) thicknesses of rocker pads
.015"/38mm, .030"/76mm, .060"/1.52mm

20204 = SCAT Rocker Arm Geometry Kit

98094 = SCAT Pushrod Measuring Tool Only (without pads)





HI-LIFT™ VALVETRAIN COMPONENTS



SWIRL-POLISHED ONE-PIECE STAINLESS STEEL OVERSIZE TYPE I – 4 RACING VALVES

- One-piece 214N Stainless Rated At 1600 Degrees – Ultra Light
- Thin Swirl-Polished Head Design Ranging from 33mm to 50mm
- 8mm Chrome Stem with Hardened Tip
- Type 4 Valves Are .200"/5mm Longer Than Type 1 Valves

25005 = 40mm Intake 25025 = 44mm Intake
 25016 = 35.5mm Exhaust 25026 = 37mm Exhaust
 25024 = 33mm Exhaust 25046 = 42mm Intake
 25108 = 38mm Exhaust - T4 25107 = 48mm Intake - T4
 25067 = 40mm Exhaust - T4 25120 = 50mm Intake - T4



HI-REV™ 4140 CHROMOLY VALVE SEATS – 4-PIECE SET

- Designed for proper airflow – engineered to provide maximum resistance to high-impact and extreme temperature variations

Part No.	Head Size	Function	Outer Dimension	Inner Dimension	Width
25006	40.0mm	Intake	1.637"/41.50mm	1.430"/36.25mm	.350"/9mm
25017	35.5mm	Exhaust	1.483"/37.75mm	1.265"/32.25mm	.350"/9mm
25021	33.0mm	Exhaust	1.364"/34.75mm	1.125"/28.50mm	.350"/9mm
25033	42/44mm	Intake	1.771"/45.00mm	1.535"/39.00mm	.350"/9mm
25034	37.0mm	Exhaust	1.525"/38.74mm	1.315"/33.40mm	.350"/9mm
25110	38mm	Exhaust	1.630"/41.40mm	1.380"/35.05mm	.350"/9mm
25109	48/50mm	Intake	2.012"/51.10mm	1.720"/43.69mm	.350"/9mm



HI-REV™ MANGANESE BRONZE TYPE I - 4 RACING VALVE GUIDES – 4-PIECE SET

- Manganese Bronze is Self Lubricating with Hard Wear Pads for Extended Life
- Short guide boss for added clearance to eliminate retainer to guide interference on high-lift camshafts
- Protect against premature valve guide failures and costly repairs caused by high operating temperatures, lean fuel mixtures, fuel contaminates, retarded ignition settings and lack of valve guide lubrication due to use of low and no lead gasoline

25038 = Stock Replacement Intake/Exhaust Valve Guide - TYPE 1
 25014 = MANGANESE Racing Intake Guide - TYPE 1
 25015 = MANGANESE Racing Exhaust Guide - TYPE 1

TYPE 4 GUIDES

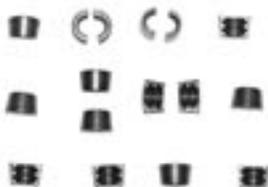
8mm I.D.	9mm I.D.
25040 = Intake 13mm O.D. 1.7-2.0	25041 = Exh 13mm O.D. 1.7-1.8
25051 = Exhaust 15mm O.D. 2.0	25050 = Exh 15mm O.D. 2.0



HARDENED VALVE STEM LASH CAPS – 8-PIECE SET

- For use with all 8mm O.D. stem VW valves, standard or oversized heads
- Prevents premature wear to end of valve stem and eliminates mushrooming of ends
- Heat treated and simple slip-on installation

25047 = Hardened Valve Lash Caps



HI-REV™ TYPE 1-4 VALVE KEEPERS – 16-PIECE SET

- Stainless Steel 8mm Stem Valves
- High alloy steel heat treated to prevent breakage under high RPM and stress loads

20092 = Hi-Rev Valve Keepers



COPPER CYLINDER HEAD GASKETS

- Eliminates combustion chamber leaks – seals tight
- Increases Valve and Piston clearance without machining heads

25924 = 92mm x .040" 25926 = 92mm x .060"
 25944 = 94mm x .040" 25946 = 94mm x .060"

PRO-COMP 765 SCAT FORGED 4340 CHROMOLY ROCKERS ASSEMBLIES

• EXCLUSIVE OILING OF BUSHINGS

- BILLET 4340 Stronger diameter shaft (.765) with bolt-on aluminum end caps
- Forged Rocker Arms with Steel backed bronze bushings and flame-hardened tips
- Race Proven to be 50% stronger than (.687" I.D.) needle bearing type rocker assemblies
- INCREASE VALVE LIFT WITHOUT CHANGING CAMSHAFT
- Chromoly mounting studs, adjusting screws and lash caps

Rocker Assemblies – sold in pairs

20196 = Racing Forged 1.25 Ratio – increases Valve Lift 20%

20195 = Racing Forged 1.40 Ratio – increases Valve Lift 30%

Components

20196-1 = 1.25 Chromoly Ratio Rocker Arm only 20198 = Adjusting Screw w/Nut

20195-1 = 1.40 Chromoly Ratio Rocker Arm only 20199 = End Cap w/Bolt

20197 = Chromoly Mounting Stud

20198 = Cup Adjusting Screws

20200 = Adjusting Shims, 8 Pieces



OILING OF BUSHINGS – SCAT EXCLUSIVE

PRO-STREET 707 VW FORGED ROCKER ARM ASSEMBLIES

- 1.25 Ratio Rocker Arms are Made By SCAT From 4140 Chromoly
- Kits includes: Forged Rocker Arms, Billet Rocker Shaft Kit, Mounting Blocks, Swivel Adjusting Screws Geometry Pads and Shims

20130 = 1.10 Ratio O.E.M. Rocker Arm Assembly

**20188S = 1.25 Ratio 4140 Chromoly Rocker Arm Assembly
(12% more horsepower, torque and camshaft lift)**



DRY OIL COATED 707 CHROMOLY BOLT-ON ROCKER SHAFT KIT

- Ideal For Standard, Chromoly Forged 1.25 Rockers with .707" I.D.
- Billet 4140 shaft is center-less ground to exacting tolerances
- 6061-T6 Center Spacer and End Caps along with Shims & Hardware
- Rocker Shafts are Dry Oil Coated & Super Grooved for Positive Lubrication at all times

20129 = Rocker Shaft Kit

20201 = .015" Rocker Arm Shims Set of 8

20202 = .030" Rocker Arm Shims, Set of 8

20203 = .060" Rocker Arm Shims, Set of 8



PRO-STREET FORGED 1.25 & 1.10 RATIO 707 ROCKER ARMS

- 1.25 Ratio Chromoly Rockers are Made By SCAT with the Genuine Look
- Performance Rockers at a Economical Price
- Used With SCAT Big Foot Swivel Adjusting Screws (P/N 20118)

20188 = 1.25:1 Chromoly Ratio Forged VW Rocker Arms, Set of 8

20131 = 1.10:1 Genuine VW Rocker Arms, Set of 8

SLICK FOOT SWIVEL BALL ADJUSTING SCREWS

- Use with VW Type 1-3 stock or 1.25 ratio VW Rocker Arms
- Swivel foot eliminates valve stem end wear due to high-lift cam and heavy spring pressures
- Super strong – heat treated for strength and reliability
- Internal Oil Passage lubricates ball & valve stem
- Set of 8 pieces includes four (4) .060"/1.52mm SCAT Rocker Arm Pads for correct rocker arm geometry

20118 = Swivel Ball Adjusting Screws, Set

20118-200 = Swivel Ball Adjusting Screws, 200 Pieces – Bulk



SCAT ROCKER ARM GEOMETRY TYPE I-III PADS

- For use in obtaining correct rocker arm geometry when using cylinder spacers, different length pushrods and swivel adjusting screws – 4-piece set
- Full-size pads fit beneath and support rocker arm blocks

20126 = .015" 20127 = .030" 20128 = .060"



SCAT PATENTED 356-T7 SPLIT-PORT CYLINDER HEAD ASSEMBLIES U.S. PATENT 4,542,720



FEATURES INCLUDE:

- Used with SCAT KILLER™ CASE or ALL VW TYPE 1-4 ENGINE CASES
 - Designed for use with either needle bearing style rockers (.687 shaft) or standard size (.707 shaft) rocker arms with stock or high-lift ratios
 - Heads can be used with injectors or popular Weber & Dellorto Carburetors & Turbo Chargers (a must for Turbo Engines, no more torched heads)
 - Heads are available as basic kits or as complete custom assemblies, ported and polished
 - The universal casting made from aircraft-quality 356-T7 aluminum can be machined to each customer's specifications for either the TYPE I or TYPE 4 engine.
 - BORE SIZES RANGE FROM 90.5mm to 105mm Type IV
 - THE PATENTED "SWIRL & ROLL OVER" DESIGN
 - Breakthrough in VW Head Technology
1. The valves of the Split-Port head open more towards the center of the cylinder "ROLL OVER" which increases intake and exhaust mixture flow by more than 20% over the best O.E.M. style performance heads. Basically, with the reduced valve angle, O.E.M. head at 9 degrees compared to the SPLIT-PORT HEAD at 6 degrees, the valves become unshrouded.
 2. The "SWIRL" combustion chamber fills and scavenges the cylinder greater while speeding up the flame travel and reducing
 - Improving cooling, fins all the way around the head (360° COOLING)
 - Even torque and better sealing between cylinder liner and head because EQUAL-LENGTH CYLINDER STUDS are used and each head is independent
 - Cylinder head TEMPERATURE is not effected since each head is INDEPENDENT
 - Stronger rocker arm shafts. Each independent shaft is supported by 3 bosses compared to the less durable O.E.M. stud thru clamping block design
 - INTAKE AND EXHAUST VALVE SIZES RANGE FROM 32.0mm to 50.0mm

BASIC SPLIT PORT HEADS INCLUDE:

- 4 Cylinder Heads with seats installed with guides
NOTE: Guides are installed only if heads are ordered ported & polished
- 4 Rocker Boxes with the appropriate rocker shafts (.687" or 707"), adjusting shims, shaft retaining screws, nut and o-rings
- 4 cast aluminum Rocker Box Covers
- A complete installation hardware kit
- Type 1 – 92.0/94.0mm; 96.5mm & 101.6mm
- Type 4

TYPE I BASIC KITS

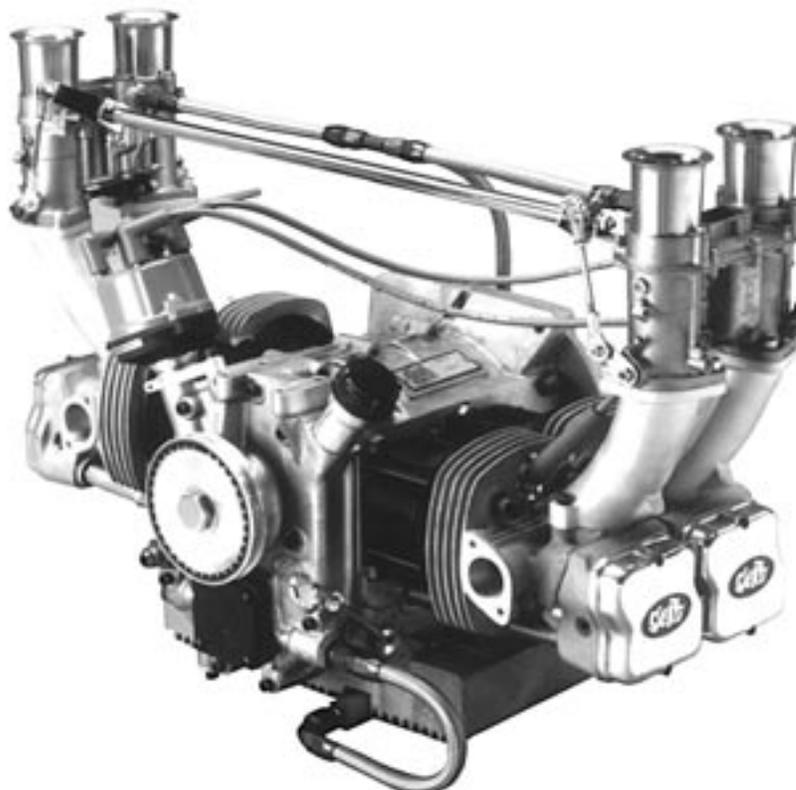
PART NO.	BORE	INTAKE	EXHAUST
25100 =	92.0mm	44mm	37mm
25102 =	94.0mm	48mm	38mm
25101 =	96.5mm	48mm	38mm
25118 =	101.6mm	50mm	40mm

TYPE 4 BASIC KITS

PART NO.	BORE	INTAKE	EXHAUST
25105 =	94.0mm	48mm	40mm
25119 =	103.0mm	50mm	40mm

**DAMON HARMON'S
QUARTER TOY
DOMINATED THE FIELD
IN THE 2004 TXPRA
CHAMPIONSHIP AND
THE 2004 NHRA PRO
STOCK NATIONALS AT
THE TEXAS MOTOR
SPEEDWAY.**

**DAMON'S QUARTER IS
LOADED WITH SCAT
GOODIES THE MOST
NOTABLE OF WHICH IS
SCAT'S SPLIT-PORT
HEADS.**



SCAT SPLIT-PORT HEAD ROCKER ARMS & ACCESSORIES

- 20175 = Adjustable Gold Anodized Aluminum Pushrod Tubes, (Set of 8)
- 20176 = BIG MOUTH O-RING SEALED PUSHROD TUBES (Set of 8)
- 20187 = 1.10 Ratio Forged VW Rocker Arms (.707 shaft)
- 20188 = 1.25 Ratio Chromoly Forged VW Rocker Arms (.707 shaft)
- 2019504 = 1.40 Forged Rocker Arm with .687" diameter needle bearing
- 22012 = Complete Cylinder O-Ring kit, 12 pieces
- 30229 = Gasket Set: 4 Intake & 4 Exhaust
- 2512101 = Replacement Silicon Bronze Racing Guide

SCAT SPLIT-PORT 4140 CHROMOLY STEEL 10mm CYLINDER STUD KITS

- 22010 = Split-Port Heads to SCAT KILLER™ Case
- 22013 = Split-Port Heads to VW Engine Case

SCAT MAX-FLO INTAKE MANIFOLDS FOR SPLIT-PORT HEADS – CARBURETION, FUEL INJECTION & NITROUS

- 30230 = 48IDA Weber or Fuel Injection & Nitrous
(manifold includes bosses for fuel injector nozzles)
- 30231 = 48IDA Weber or Fuel Injection & Nitrous – Ported & Polished
- 30232 = 40-48IDF Weber; 36-45 DRLA Dellorto
- 30233 = 40-48IDF Weber; 36-45 DRLA Dellorto – Ported & Polished



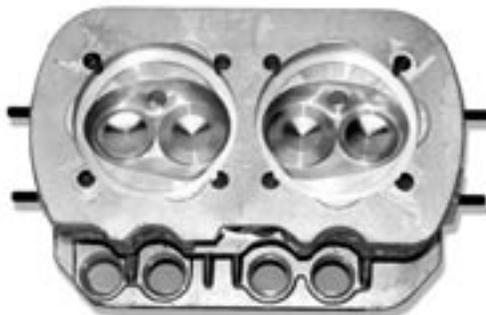


SCAT PRO-PORT TYPE 1 CYLINDER HEADS ARE ASSEMBLED WITH 35 YEARS OF EXPERIENCE AND HI-REV™ COMPONENTS

All of our Pro-Port Cylinder Heads offer the following features:

- 1-piece 214N stainless steel valves with manganese racing valve guides
- Competition 3-angle valve job for a positive seal between valve and seat and to increase flow speed
- Combustion chambers are unshrouded for maximum flow and flame travel
- Long reach 3/4" spark plug bosses
- Manifolds (sold separately) are match-ported and polished to each head for maximum flow

ONLY SCAT offers the following selection of Pro-Port and Hi-Rev Cylinder heads:



25060, 25060-94

**“WEDGE-PORT” 44mm intake x 37.5mm exhaust
“SUPER-D” 42mm intake x 37mm exhaust
(Both with dual valve springs & 4140 chromoly retainers)**

- Large port design for drag racing at high RPM (4,000 - 8,000 RPM) and lift
- Swirl-polished with venturi intake and exhaust runners
- Special shaped combustion chamber for big power potential

- | | |
|----------|--|
| 25060 | = 92/90.5mm BORE ‘WEDGE-PORT’ HI-REV Polished Heads – Each |
| 25060-94 | = 94mm BORE ‘WEDGE-PORT’ HI-REV Polished Heads – Each |
| 25070 | = SUPER-D 42 X 37 X 90.5/92mm bore dual spring cylinder head |
| 25070-94 | = SUPER-D 42 X 37 X 94mm bore dual spring cylinder head |
| 30205 | = ‘D-Port’ 2x48IDA Weber Intake Manifold, Tall – Pair |
| 30158 | = ‘D-Port’ 2x40/44/48IDF Weber/Dellorto DRLA Manifold – Pair |
| 30161 | = ‘D-Port’ Intake Gasket – 10 Pack |



25072

**“MINI D-PORT” PRO COMP – 40mm intake x 37.5mm exhaust
with dual valve springs & 4140 chromoly retainers**

- Smart port design for total performance (2,000 - 6,000 RPM)
- Swirl-polished with venturi intake and exhaust runners
- Efficient combustion chamber (1950cc - 2275cc)

- | | |
|----------|---|
| 25072 | = 92/90.5mm BORE ‘MINI D-PORT’ HI-REV Polished HEADS – Each |
| 25072-94 | = 94mm BORE ‘MINI D-PORT’ HI-REV Polished HEADS – Each |



25035

**PRO STREET – 40mm intake x 35.5 exhaust
with single valve springs with 4140 chromoly retainers**

- | | |
|----------|--|
| 25035 | = 85.5mm BORE ‘STREET-PORT’ HI-REV PRO STREET HEADS – Each |
| 25035-92 | = 92mm BORE ‘STREET-PORT’ HI-REV PRO STREET HEADS – Each |
| 25035-94 | = 94mm BORE ‘STREET-PORT’ HI-REV PRO STREET HEADS – Each |

O.E.M. TYPE I DUAL-PORT HEADS & COMPONENTS

- | | |
|------------|---|
| 043101355C | = Type I Dual-Port Complete Head – Each |
| 040101355 | = Type I Dual-Port Bare Head |
| 311109601 | = 35.6mm Intake Valve |
| 113109612A | = 32.0mm Exhaust Valve |
| 113109641B | = Valve Spring Retainer |

SCAT CHROME ENGINE DRESS-UP KITS

- FINEST CHROME AND FIT, MANUFACTURED FROM SCAT EXCLUSIVE DIES – COPIED, BUT NEVER EQUALED
- Popular engine dress-up accessories in convenient kit form
- Kits include chrome steel valve covers, oil filler with cap, distributor hold down clamp, alternator/generator strap and standard length dipstick

80094 = Kit, Oil Filler w/Down Tube
80095 = Kit, Oil Filler w/o Down Tube



SCAT ORIGINAL LOGO STAINLESS STEEL VW VALVE COVERS

- Extra-wide gasket flange insures positive leak-proof installations
- Designed to clear all high-lift rockers
- Rust resistant Stainless – Highly polished for lasting beauty
- Spring steel bale, SCAT designed, to insure proper tension on gasket and wide lip to ensure leak-free installation

80240T = SCAT Stainless Steel Valve Covers with 5 Tab Gasket Securing, Pair
80221 = Replacement Chrome Bale, Each
80177 = Neoprene – Cork Valve Cover Gaskets, 10 Pack



SCAT HI-LIFT CHROME STEEL VALVE COVERS

- Precision steel stampings – plain top – no logo
- Extra-wide gasket flange insures positive leak-proof installations
- Triple chrome plated for lasting beauty
- Complete with chrome bale and gaskets for simple clip-on installation

80220 = SCAT Chrome Steel Valve Covers, Pair
80221 = Replacement Chrome Bale, Each
80177 = Neoprene – Cork Valve Cover Gaskets, 10 Pack



SCAT WRAP-AROUND FIN ALUMINUM BOLT-ON VW VALVE COVERS

DESIGNED BY SCAT AND STANDARD EQUIPMENT FOR THE LAST 30 YEARS!

- Precision die-casting for perfect fit with a high-luster finish
- Designed to clear all high-lift rockers
- Fins from end to end for high heat dissipation & strength – will not warp and distort like some offshore imports
- Valve cover bolts to cylinder head rocker studs with use of special threaded adapters – Stat-O-Seal, O-rings are used with hold down bolts to seal against any oil leaks
- Ideal for all competition & rugged off-road applications ñ bolt heads may be drilled for installation of safety wire or clip

80043 = Bolt-on Aluminum Valve Covers, Pair
80174 = Replacement Bolt-On Valve Cover Hardware Pack
80177 = Neoprene – Cork Valve Cover Gaskets, 10 Pack
80179 = Replacement Bolt-On Valve Cover O-Ring Seals, Set of 4 Pieces



SCAT ALUMINUM CLIP-ON VW VALVE COVERS

- Die-casting to insure accurate fit – polished to a high-luster finish
- Designed to clear all high-lift rockers
- Finned for high heat dissipation
- Chrome bales included for simple clip-on installation
- Neoprene – Cork valve cover gaskets included

80178 = Clip-On Aluminum Valve Covers, Pair
80177 = Neoprene – Cork Valve Cover Gaskets, 10 Pack





FROM ORIGINATORS OF WEBER KITS FOR VW

WEBER PROGRESSIVE CARB KITS FOR VW TYPE 1 ENGINES



- 10% – 15% increase in performance, without sacrificing fuel mileage
- Includes the SCAT HIGH-FLOW “T” MANIFOLD to eliminate “FLAT SPOTS”
- This kit is complete with all the parts necessary for easy installation

PROGRESSIVE CARB. & MANIFOLD KITS

30098 = NEW WEBER Progressive Kit

30098HO = Manifold & Carb Kit

3516601 = New Weber DFEV Carb. Only

2-245 = Reman. Progressive Carb. Only

3515201 = Weber Carb Arm to VW Throttle w/Hardware

MANIFOLDS & AIR CLEANER

40210 = Chrome Air-Cleaner Assembly

30099 = FLOW Manifold & hardware

30091 = Pair, Dual-Port End Castings

Note: Use of a full centrifugal advance distributor, SCAT 45063 or 45090, is recommended



SCAT PROGRESSIVE CARB KIT VW TYPE II, IV & PORSCHE 914/4

- Features an aircraft-quality 356-T6 Aluminum Semi-Isolated Plenum manifold for improved throttle response – helps eliminate ‘fuel puddling’
- New Weber or Reman. 32mm/36mm Progressive 2-barrel carburetor combines performance, economy & reliability at an affordable price (Includes Electric Choke, Air-Cleaner Assembly, w/Hardware)
- Kit includes 4 equal-length zinc-plated steel intake runners for best possible air/fuel distribution
- Unique 3- & 4-bolt intake flange is jig welded to each runner for an exact fit
- Pre-jetted for driveable installation

NOTE: Some adjustment may be necessary due to driving climate and engine size.

30164 = New Weber Progressive Type IV Engine Kit

30164HO = Reman. Progressive Carb Type IV Engine Kit

30165 = Manifold, Intake Runner & Installation Hardware

Note: Use of a full centrifugal advance distributor, SCAT 45063 or 45090, is recommended



SINGLE WEBER CARBURETOR KITS

- INCREASE HORSEPOWER (BOLT-ON) With Reliability and Performance
- Kit sold complete with new IDF Carb., high-flow manifold, air cleaner and linkage

30217 = 40 IDF Carb Kit - TYPE 1

30218 = 44 IDF Carb Kit - TYPE 1

WEBER "IDF" DUAL CARBURETOR KITS TYPE 1

- INCREASE HORSEPOWER (BOLT-ON) With Reliability and Performance
- ALL Complete kits include Carburetors, Off-Set Aluminum Manifolds, Hex Bar or Cross Bar Linkage, Air Cleaners, Fuel Line and Mounting Hardware
- **And appropriate letter to part number for linkage type;**
H= Hex Bar, C= Cross Bar, S= Steering

- 30214 = Weber Dual 44 IDF, Linkage, Type I Carburetor Kit with Air Cleaners**
- 30213 = Weber Dual 40 IDF, Linkage, Type I Carburetor Kit with Air Cleaners**
- 30215 = Weber Dual 48 IDF, Linkage, Type I Carburetor Kit with Air Cleaners**
- 30216 = Weber Dual 44 IDF, Linkage, Type IV Carburetor Kit with Air Cleaners**
- 35071 = 40mm IDF Weber Carburetor**
- 35115 = 44mm IDF Weber Carburetor**



WEBER "IDA" DUAL CARBURETOR KITS

- 30220 = Weber 48 IDA Kit with Hexbar linkage**
- 3022101 = Weber 48 IDA Carburetor, only**



HEX BAR DUAL CARBURETOR LINKAGE KITS

- Strongest and Most Precise Linkage Invented for Type I Engines
- Billet 6061-T6 Aluminum Control Arms – Hex Bar
- Easy to Install with All the Necessary Hardware Included
- For IDA/IDF Dual Weber & Dellorto DRLA Carb setups on all upright VW engines

- 30194 = Weber IDF Hex Bar Type I Linkage**
- 30197 = Weber IDA Hex Bar Type I Linkage**



WEBER CARBURETOR SYNCROMETER

- Keeps dual carburetors operating in unison
- Easy to use, saves time and money

- 30198 = Syncrometer**





UNIVERSAL STEERING DUAL CARB LINKAGE

NEW & IMPROVED DUAL CARBURETOR LINKAGE

One kit is used with Weber ICT, IDF, IDA, KADRON...

- 3/8" 6061-T6 Aluminum Linkage Rods
- Forged right- and left-hand thread male rod ends for easy adjustment
- Billet 6061-T6 Support Stand with Fan Shroud Support Arm
- Precise Throttle Cable Arm alignment for smooth operation

30050 = Universal Dual Carb Linkage Kit



SUPER-DUTY REPLACEMENT THROTTLE CABLE KITS

- Eliminate chaffed & broken stock throttle cables forever
- Super strong 3/32" diameter galvanized aircraft cable with swaged cable end
- Cable is protected by a nylon cable guide
- Simple installation – all necessary hardware included
- All Type 1 VW Bugs & Buggies – available with Roller Accelerator Pedal

85074 = Super-Duty Throttle Cable Kit

85119 = Super-Duty Throttle Cable Only – Fits in stock cable tube

85111 = Super-Duty Throttle Cable Kit w/Roller Accelerator Pedal



SUPER-DUTY CABLE SHORTENING KITS

- Specifically designed for shortened, modified or custom VW
- Complete kit includes on clutch, one throttle, and two brake ends

85006 = Complete Kit

85058 = Clutch Cable Shortener

85059 = Brake Cable Shortener

85060 = Throttle Cable Shortener



SUPER-DUTY THROTTLE CABLE EXTENDER REPAIR KIT

- A quick and easy fix to a broken throttle cable end
- Provides that extra inch of needed cable
- Throttle cable is inserted into and is secured to cable extender

35077 = Throttle Cable Extender & Repair Kit



FLOW DUAL-PORT 356-T6 ALUMINUM INTAKE MANIFOLDS

- Precision Machined For Perfect Leak-Proof Fit and Maximum Mixture Flow
- Easy spark plug removal and clearance of all fan housings
- Manifolds may be ported & polished to match SCAT modified dual-port cylinder heads
- Kits Include Carb, Manifolds, studs, washers, nuts and precision die-cut base gaskets



MANIFOLDS FOR VW TYPE 1-3

**30122 = Pair – 48IDA Weber, TAIL SCAT TRAK
Manifold w/extra thick base**



MANIFOLDS FOR VW TYPE 1-3

**30076 = Pair – 40/44/48IDF Weber, 36/40/45DRLA
Dellorto – OFF-SET DESIGN**



SOLEX DUAL CARBURETOR MANIFOLDS

**30247 = Aluminum Solex 35mm Dual Carburetor Manifolds
Type 1 Dual - Port**



VW TYPE 4/PORSCHE 914 IDF MANIFOLDS

30049 = Pair – IDF Weber, DRLA Dellorto Manifolds

FLOW INTAKE MANIFOLD FLANGE TO HEAD GASKETS

- Top quality precision die-cut gaskets
- Designed to seal against all leaks
- 10-Piece Packs

30038 = Dual-Port Standard

30161 = Dual-Port 'D-Port'

30176 = Dual-Port 'Round Port'

30163 = Type 4 411/914 – All 3- & 4-Bolt

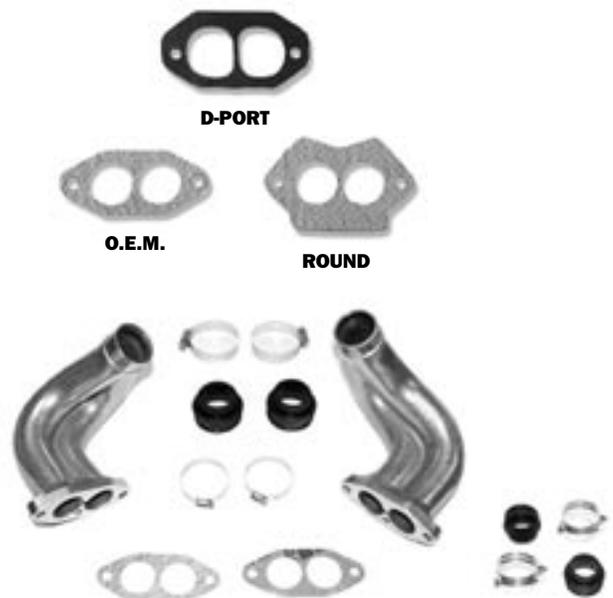
35039 = Heat Riser Flange

FLOW DUAL-PORT END CASTINGS TYPE 1

- For use with all center-section manifolds for dual-port heads
- Complete with 2-step rubber couplers & mounting hardware

30091 = Pair – Dual-Port End Castings

30140 = Replacement Mounting Kit



SCAT LOGO CHROME WASHABLE RECTANGULAR AIR CLEANERS

- 4 removable spring clips for easy access for carb. tuning or cleaning of washable gauze filter
- Compact – low-profile assemble that bolts to carburetor
- 6-1/2" x 4-1/2" x 1-3/4" or 2-1/2" Heights



SCAT COMPLETE CHROME WASHABLE AIR CLEANER ASSEMBLIES

- 40207 = PICT 2-1/6" Diameter Neck Solex VW Carburetor, 1-3/4" High
- 40208 = 2-1/2" High 40-48IDF Weber and 36-45DRLA Dellorto Carbs
- 40210 = Weber DFEV Progressive Assembly
- 40208-3 = 3-1/2" High Chrome IDF/DRLA Oval Assembly
- 40208-3ALM



REPLACEMENT AIR CLEANER WASHABLE GAUZE ELEMENTS & COMPONENTS

- 40215 = Replacement Gauze Element, 1-3/4" High
- 40223 = Replacement Gauze Element, 2-1/2" High
- 40235 = Replacement Oval Gauze Element, 3-1/2" high
- 40221 = 4-Piece Set Chrome Air Cleaner Clips, 1-3/4" High
- 40224 = 4-Piece Set Chrome Air Cleaner Clips, 2-1/2" High

CHROME FLAT TOP ROUND VW AIR CLEANERS

- 6-3/8" diameter low profile design
- Off-set base with smog tube – clamp mounting
- Low profile 2-1/2" – clears Beetle, Ghia & Transporter Deck Lids
- Triple chrome plated for lasting beauty

- 40029 = 2-1/16" Diameter Neck Stock VW Carb. Air Cleaner Assembly
- 40031 = Replacement 6-3/8" x 1-1/2" Diameter Air Cleaner Element



34 ICT WEBER-BROSOL-SOLEX AIR CLEANER

- Molded rubber with permanent chrome cap
- For 2-1/16" diameter carb neck, clamp mounting
- Washable & reusable gauze filtering element

- 40192 = 4-3/4" Tall Velocity Sock Style Air Cleaner with Mounting Clamp





OIL COOLER & ACCESSORIES SERIES 50

SCAT 8-PASS FULL FLOW OIL COOLER KITS - For use in Type 1 - 3 engines - replaces stock oil cooler

- 1/2" copper tubing and mechanical expansion construction
- Tested and proved through years of off-road competition
- Includes oil bypass adapter for stock oil cooler, 8-Pass oil cooler, spin-on remote oil filter bracket, high-pressure oil hose, fitting, clamps and illustrated installation instructions
- Choice of coolers with slip-on ends for street applications or with -7AN fitting for high-performance uses

Oil Cooler Kits

- 50101 = Kit w/Slip-On Ends
- 50103 = Kit w/-8AN Male Ends
- 50102 = Oil Cooler only w/Slip-on Ends
- 50104 = Oil Cooler only w/-8AN Male Ends

High-Pressure Oil Hose

- 50032 = 25" Roll High-Pressure Oil Hose
- 50047 = Replacement Oil Line & Clamp Kit

ELECTRA-COOL REMOTE OIL COOLER WITH ELECTRIC FAN

- Barb adapters for hose clamps or -8AN male ports
 - Anodized billet brackets to secure cooler to any location on your vehicle
 - 650cfm 10" reversible turbo fan to keep engine oil cool
 - 25,000 GVW and measures 10" wide by 16" long by 4-7/8" thick
- 15800 = Electra-Cool Remote Oil Cooler with Electric Fan

FAN MOUNTED OIL COOLER

- 1/2" push-on 6 pass (7-1/2" X 12" X 3-7/8") 400 CFM 8" reversible turbo fan 15,500 GVW - econo cool

15830 = Fan mounted oil cooler

IN-LINE FAN THERMOSTAT

- Thermostat attaches to the -AN or barb inlet port of cooler
- Activates fan at 180° F

15721 = In-line Fan Thermostat

SCAT UNIVERSAL OIL BREATHER BOX KIT

- Relieves engine crank case back pressure without loss or spillage of oil & allows engine to breathe through a combination of breather vents- from your air cleaner, valve covers and crank case

50029 = Universal Oil Breather Box Kit

CUSTOM OIL FILLER EXTENDER

- Extra length replacement filler neck for easy oil fills - eliminates nasty oil spills in your engine compartment
- Highly-polished Aluminum for that customized look - convenient screw on cap for easy access and positive sealing
- Breather vent included - ideal for hook-up to SCAT 50029 Oil Breather Box Kit

50112 = Oil Filler Extender

50112-1 = Replacement Twist Lock Cap Only

50112B = Billet 6061-T6 Cap & Polished Oil Filler Extender

50112BC = Billet 6061-T6 Oil Filler Cap

CNC BILLET 6061-T6 FULL FLOW OIL PUMP COVER

- Harder and stronger than cast covers
- Machined flat and will not leak under pressure
- Efficient design clears pulley and helps oil flow fast

50059 = CNC Billet 6061-T6 Full Flow Oil Pump Cover

SCAT REMOTE SPIN-ON OIL FILTER BRACKET KIT

- Universal mounting and application
- For use with SCAT 50009 or FRAM HP-1 filters
- Kit includes filter bracket w/nipple, 3/8" NPT fittings and 1/2" I.D. hose clamps

50031 = SCAT Spin-on Remote Oil Filter Bracket Kit

SCAT DIE-CAST OIL BY-PASS ADAPTER KIT

- For use with Type 1-3 engine cases & stock oil cooler seals
- Blocks off stock oil cooler and routes oil to remote cooler
- Casting is long enough so that all fittings are outside of fan housing and bottom fitting will not block off part of oil passage
- Kit includes block off, 3/8" NPT fittings, 1/2" I.D. hose clamps & seals

50021 = Oil ByPass Adapter Kit

FULL FLOW OIL COOLER BLOCK OFF - For use in Type 1-3 engine cases

- Allows removal of stock oil cooler when no longer required
- Designed to allow oil to re-enter engine case immediately - gasket and hardware included

50075 = Full Flow Oil Cooler Block Off

DIAL-IN OIL PRESSURE BOOSTER KIT - For use in all Type 1-3 engine cases, single or dual by-pass

- Adjustable feature allows you to dial in desired oil pressure

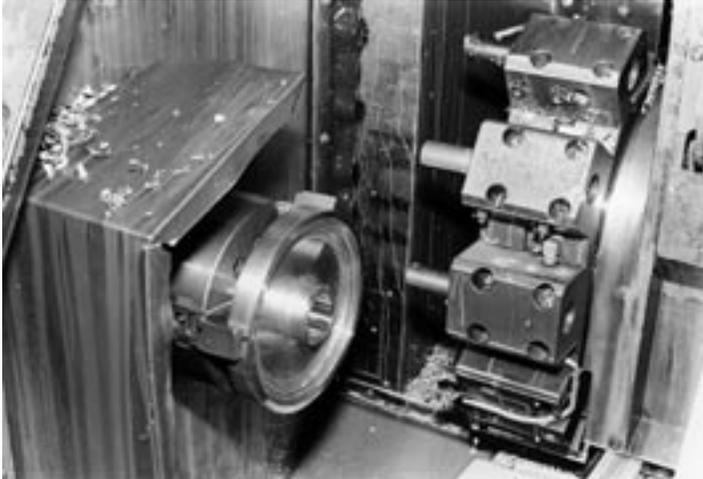
50066 = Dial-In Oil Pressure Booster Kit

THRU-BOLT OIL COOLER ADAPTER

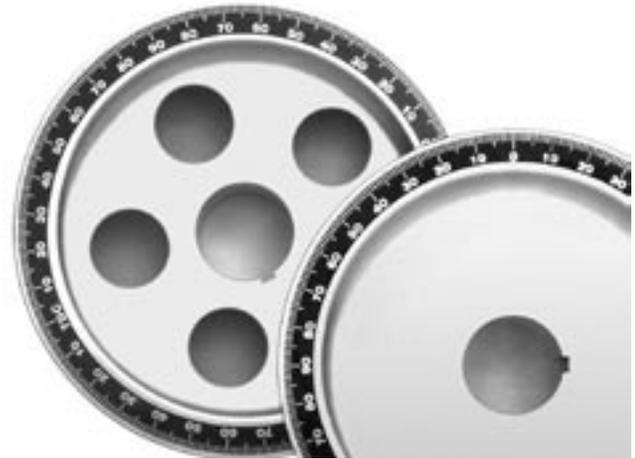
- New O-MILE Adapter Made from 319 Alloy - die-casting
- Grade 8 Hex Head Thru Bolts and Washers for Added Strength
- Mounting Adapter to Case Studs, Washers and Nuts (8mm)
- New Oil Seals

50106 = Thru-Bolt Oil Cooler Adapter

**THE STRONGEST PULLEYS IN THE WORLD,
MADE EXCLUSIVELY BY SCAT, "JUST GOT BETTER"**



MANUFACTURED FROM VIRGIN 6061-T6 BILLETS



SANTANA

BILLET

ALUMINUM VW TYPE 1-3 DEGREE 6061-T6 BILLET CRANKSHAFT PULLEYS

- Machined from aircraft billet 6061-T6 – not porous weak castings **"STRONGEST PULLEY IN THE WORLD"**
- Machined at SCAT to exacting tolerances on CNC Computer Turning Centers
- Diamond cutter finished for that "machined" look
- Timing degrees & TDC permanently bonded to pulley face with all new epoxy in Black, Candy Blue or Candy Red
- All Sand Seal Pulleys feature a steel sleeved pulley hub which prevents cracking of the aluminum pulley keyway and insures against oil leaks due to wear of seal rubbing against aluminum hub
- No machining of case required – all pulleys are bolt-on installations
- Collar and Seal included with all Sand Seal Pulleys



BILLET 6-3/4" STANDARD DIAMETER ALUMINUM DEGREE PULLEYS

- Deep "V" belt groove reduces the possibility of throwing or twisting pulley belt
- For use with stock length pulley belt or SCAT 80209 Belt

Threaded Pulleys		Bolt-on Sand Seal Pulleys		
Billet	Santana	Color	Billet	Santana
80346	80227	Black	80347	80228
80346B	80227B	Blue	80347B	80228B
80346R	80227R	Red	80347R	80228R



VITON SEAL



COLLAR



THREADED



**SCAT EXCLUSIVE
STEEL SLEEVE**



ALUMINUM BILLET CRANK PULLEYS & ACCESSORIES



Prevents loss of cooling when fan cavitates above 4,000 RPMs. The smaller diameter Power Pulley, same fan and diameter as tried & proven 912/356 Porsche, slows fan down, but does not sacrifice cooling at lower RPMs.

5-3/4" DIAMETER BILLET 6061-T6 POWER PULLEYS

- 1" smaller diameter same as Porsche 912
- A must for 4500 RPM & above
- 33% lighter than a stock steel pulley
- Increases horsepower up to 10%
- Deep "V" belt groove reduces the possibility of throwing or twisting belt

Threaded Pulleys

Solid	5-Eye
80006	80005
80006B	80005B
80006R	80005R

Bolt-on Sand Seal Pulleys

Color	Solid	5-Eye
Black	80092	80091
Blue	80092B	80091B
Red	80092R	80091R

DRY SUMP BILLET 6061-T6, 5-3/8" DIAMETER SOLID DEGREE PULLEYS



Std. VW Case Only Threaded Pulleys

80090 = Pulley w/o Belt Groove
80175 = Pulley w/Belt Groove

SCAT KILLER & Std. VW Case Sand Seal Pulleys

80251 = Pulley w/o Belt Groove
80181 = Pulley w/Belt Groove

SCAT CUSTOM 12-VOLT BILLET PULLEY KITS AND ACCESSORIES

- Choice of threaded style Aluminum Degree Power or Standard Diameter size pulleys
- Available with Black, Candy Blue or Candy Red Numerals
- Complete kit includes degree crankshaft pulley, chrome 12-Volt alternator/generator pulley, chrome Pulley Trim Set and fan belt

Power Pulley Kit

80096 = Black
80097 = Blue
80098 = Red

Std Diameter Santana Style

80099 = Black
80100 = Blue
80101 = Red

Std Diameter Billet Style

80102 = Black
80103 = Blue
80104 = Red

80209 Standard Diameter Pulley Belt

80004 Power Pulley Belt

80176 Dry Sump Pulley Belt

80107 Chrome Pulley Bolt & Washer

80172 Replacement Collar & Sand Seal Assembly

80173 Replacement Sand Seal Only



6-3/4" STANDARD DIAMETER HARD ANODIZED LASER-ENGRAVED SCAT BILLET 6061-T6 DEGREE PULLEYS — MADE TO LAST

- Available in BLACK, BLUE, RED or SATIN (Santana or Solid)
- Durable Type 3 hard anodize + Bright Dipped
- Laser engraved degree numbers & marks
- Deep Thread

Solid	Color	Santana
80346E	Black	80227E
80346BE	Blue	80227BE
80346RE	Red	80227RE
80346SE	Satin	80227SE



CHROME PULLEY TRIM SET

- Complete set replaces chrome crankshaft pulley bolt w/washer plus a custom designed acorn style alternator/generator nut & washer combination
- Fits all stock generators and alternators

80060 = Complete Chrome Trim Set
80003 = Chrome Alternator/Generator Nut & Washer
80107 = Chrome Crankshaft Pulley Bolt & Washer



DRESS-UP TRANSPARENT FACE PLATES AND ALT./GEN. PULLEY COVERS

- Offered in Racer Blue, Flame Red or Chrome Clear
- Finned Design adds strength

80315B = Blue Transparent Face Plate
80315R = Red Transparent Face Plate
80315C = Chrome Clear Transparent Face Plate



SCAT 12-Volt BILLET 6061-T6 ALUMINUM ALT./GENERATOR PULLEY COVER

- Machine diamond cut finish
- Round design to match SCAT Power Pulley

80355 = 12-Volt Alternator/Generator Pulley Cover



12VOLT CHROME ALTERNATOR/GENERATOR PULLEY

- Heavy-gauge steel construction
- Show-car quality triple chrome-plated finish

80315 = Chrome 12-Volt Alternator/Generator Pulley
131903109B = Original Look 6-Volt Generator Pulley





TIGHT FIT FAN SHROUD KITS & ACCESSORIES

DURA-COLOR™ POWDER-COATED FAN SHROUD KITS

- Available colors: Porsche Silver, SCAT Red and O.E.M. Black

Powder-Coated Benefits:

- Increases metal strength and reduces engine running temperatures
- Protects metal and welds from corrosion
- Seals air leaks between seams
- Resistant against oil, gasoline and water
- Only thick gauge original SCAT Tight-Fit shroud kits are used to guarantee proper fit and durable beauty

- 25091B = DOGHOUSE FAN SHROUD - BLACK POWDER COATING**
- 25091R = DOGHOUSE FAN SHROUD - RED POWDER COATING**
- 25091S = DOGHOUSE FAN SHROUD - PORSCHE SILVER POWDER COATING**
- 25091-1B = DOGHOUSE FAN SHROUD W/DUCTS - BLACK POWDER COATING**
- 25091-1R = DOGHOUSE FAN SHROUD W/DUCTS - RED POWDER COATING**
- 25091-1S = DOGHOUSE FAN SHROUD W/DUCTS - PORSCHE SILVER POWDER COATING**
- 25093B = CYLINDER COVERS DUAL-PORT - BLACK POWDER COATING**
- 25093R = CYLINDER COVERS DUAL-PORT - RED POWDER COATING**
- 25093S = CYLINDER COVERS DUAL-PORT - PORSCHE SILVER POWDER COATING**



SCAT DOGHOUSE & 36HP STYLE CHROME FAN SHROUD KITS & COMPONENTS

- Fashioned after the VW 36HP Fan Shroud with the added cooling performance of the late-model doghouse cooler
- **Designed and engineered to work!** - Contoured correctly to fit AS21 & AS41 engine cases
- The original '9' Internal Air Directional Vein aftermarket manufactured Doghouse Style Shroud
- Standard '7' Vein non-doghouse Shrouds & throttle cable is located in the proper location
- Heater models w/wedged ducts and internal air scoops designed for maximum air flow
- Mounting fasteners for Doghouse Exhaust Tin & shroud is internally clearanced for late wide model doghouse fan
- Show-Car Quality Chrome Plating or special 'Paintable' finish for custom color applications
- Don't be fooled by cheap prices - bad fit & poor cooling - insist on the BEST!
- Thick-gauged steel construction



9-PIECE DOGHOUSE FAN SHROUD KITS - ANOTHER SCAT FIRST

- The Original '9' Internal Air Directional Vein Aftermarket Fan Shroud
- Kit includes Fan Shroud, Upper & Lower Cooler Exhaust Tin, Front Engine Breast Plate, Alt/Generator Stand, Inner & Outer Fan Backing Plates, Dual-Port Cylinder Covers

	Chrome	Paintable
Kit w/o Ducts	25138C	25138
Kit w/Air Ducts	25139C	25139



DOGHOUSE FAN SHROUD & COMPONENT

Shroud w/o Air Ducts	25091C	25091
Shroud w/Air Ducts	25091C-1	25091-1
Upper Cooler Exhaust Tin	25133C	25133
Lower Cooler Exhaust Tin	25134C	25134
Front Breast Plate	25135C	25135
Alternator/Generator Stand	25062C	25062
Dual-Port Cylinder Covers	25093C	25093
Fan Backing Plate - Inner	45072-1	45074
Fan Backing Plate - Outer	45072	45071

WELDED AND BALANCED TURBINE FAN

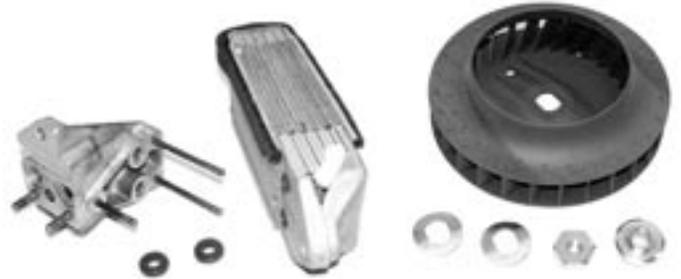
- Each blade is welded to both sides of the drive plates for superior strength and function
- Dynamically balanced at high R.P.M.'s to a permissible tolerance with weld-on weights
- Blue zinc plated for durability and longevity



25074 = Welded & balanced turbine fan

DOGHOUSE OIL COOLER ADAPTER-COOLING FAN

- 50106** *Doghouse Oil Cooler Adapter*
113117021B *Oil Cooler*
113119031B *Late-Model "Wide" Cooling Fan*
25073, Kit *Doghouse Cooling Fan & Mounting Hardware*
25079, Set *Cooling Fan Mounting Hardware*



6-PIECE STANDARD 36HP STYLE FAN SHROUD KITS

- Kit includes Fan Shroud, Alt/Generator Stand, Inner & Outer Backing Plates, Dual-Port Cylinder Covers

	<u>Chrome</u>	<u>Paintable</u>
Kit w/o Air Ducts	25140C	25140
Kit w/Air Ducts	25141C	25141



36HP STYLE FAN SHROUDS & COMPONENTS

Shroud w/o Air Ducts	25092C	25092
Shroud w/Air Ducts	25092C-1	25092-1
Alternator/Generator Stand	25062C	25062
Dual-Port Cylinder Covers	25093C	25093
Fan Backing Plate – Inner	45072-1	45071
Fan Backing Plate – Outer	45072	45074



FAN SHROUD & CYLINDER COVER SCREW SET – 12-PIECE SET

- Finish off you new fan shroud & cylinder cover installation with new screw & plated for rust resistance and appearance

25098 = Fan & Cylinder Cover Screws



SCAT DUAL-PORT CYLINDER COVERS

- Highest-quality reproduction of the original Dual-Port Cylinder Tin for TYPE 1 engines
- Heavy gauge steel stamping available in polished 'show car' quality chrome or paintable CAD II plating
- Best fitting – no cutting, bending or modifying required
- Insist on the BEST! – sold in pairs only

25093C = Chrome **25093 = CAD II**





TIGHT FIT TINS & ACCESSORIES



SCAT 'COOL TIN'

- Completes the air circulation around the underside of the cylinders for much needed 360-degree cooling
- A must for all high-performance engines
- Available in 'show car' quality chrome or paintable CAD II plating
- Best fitting – no bending, cutting or modifying required – insist on the BEST!
– sold in pairs only

Chrome = 25076C

CAD II = 25076



SCAT PULLEY TIN

- Pulley Tin for behind the crankshaft pulley
- Available in polished 'show car' quality chrome or paintable CAD II plating
- Cal-Look w/o hole or stock replacement w/hole for oil filler drain tube

Chrome
CAD II

Cal-Look w/o Hole
25097C-1
25097-1

Stock w/Hole
25097C
25097



SCAT REAR ENGINE TIN

- Rear Engine Tin to complete your total engine package & designed to match rear engine compartment contour
- Available in polished 'show car' quality chrome or paintable CAD II plating
- Cal-Look w/o fresh air holes or w/holes to allow use of heater system

Chrome
CAD II

Cal-Look w/o Hole
25094C
25094

Custom w/Holes
25095C
25095



CHROME AIR INTAKE SCREEN

- Protects cooling fan and oil cooler from leaves and other debris
- Ideal for use on all VW powered buggies & off-road vehicles
- Simple installation – heavy wire mesh screen with rubber sealing strip clamps to rear flange
- Fan shroud does not restrict air intake
- Fits all upright engines with stock fan shrouds and aftermarket steel fan shrouds without doghouse

85004 = Chrome Air Intake Screen



CHROME OIL BREATHER CAPS – OIL FILLER TUBE & DIPSTICKS

- 50122 = Oil Filler w/Down Tube**
- 50122-1 = Oil Filler w/o Down Tube**
- 50123 = Repl Twist Lock Filler Cap**
- 50115 = Dipstick, Extra Long**
- 80084 = Breather Cap, Dome Style**
- 50117 = Dipstick, Std Length**
- 80330 = Breather Cap, Flat Top Style**



FAN HOUSING PLUGS

- Fan housing plugs seal off fresh air openings
- A must when heater hoses are removed to prevent loss of cooling air from fan shroud to prevent engine overheat
- For use with all stock and aftermarket ducted fan shrouds

80163 Pair – Fan Housing Plugs w/Screws



SCAT RACING MERGE EXHAUST SYSTEMS GUARANTEE PERFORMANCE — AVAILABLE IN RAW, PAINTED OR CERAMIC COATED

SCAT EXHAUST SYSTEMS FEATURE THE FOLLOWING:

- Made in U.S.A. from durable 16-gauge tubing with performance guaranteed
- 1-1/2" and 1-5/8" systems are sold in raw, chrome or ceramic coated
- Thick 5/16" machined sealing flanges for strength and tight fit
- Ceramic-coated headers & mufflers are heat fused to 650 degrees creating a tough barrier against corrosion and damage caused by external elements
- Muffler or arrestor available for u-turn or angled-merge collectors
- Merge design adds 10% to 15% more horsepower

55164RU = 1-1/2" or 1-5/8" tubing with U-bend collector (Shown)
55164RUC = 1-1/2" or 1-5/8" tubing with U-bend collector - Ceramic (Shown)



RACING BAJA MERGE EXHAUST SYSTEMS

55164RA = 1-1/2" or 1-5/8" tubing with angled collector
55164RAC = 1-1/2" or 1-5/8" tubing with angled collector - Ceramic

'BAJA MASTER' MERGE EXHAUST SYSTEMS

- The ultimate off-road exhaust system using 1-1/2" tubing for maximum power
- 4 equal-length primary tubes meet into a merge collector
- Engineered to fit snugly around engine for maximum ground clearance & minimum rear overhang

55164 = 1-1/2" or 1-5/8" tubing with angled collector - Chrome
55164B = 1-1/2" or 1-5/8" tubing with angled collector - Black
55165 = Stinger Baffle Kit



'BUGGY MASTER' EXHAUST SYSTEMS

- The most popular style exhaust system for buggies & baja bugs
- Offers maximum horsepower with ground clearance and the whisper of a quiet muffler
- Fits Type 1 upright engines & complete system includes quiet muffler



Application	Painted	Chrome	Muffler Only		Chrome
	Header Only	Header Only	Painted	Chrome	Stinger
W/Heater Boxes	55232	55232C	55236	55236C	55234
W/O Heater Boxes	55233	55233C	55236	55236C	55234

55150 = Universal Stinger Baffle Kit

DUAL GLASSPACK EXHAUST SYSTEMS

- Dual exhaust system with integral glasspack mufflers
- For use with Baja Bugs, Buggies, Sand Rails and Trikes - fits Type 1 upright engines

55010 = Painted System 55011 = Chrome System





EXHAUST SYSTEM & ACCESSORIES SERIES 55

RACING TYPE 1 MERGE SEDAN/BUS HEADERS

- The ultimate extractor system designed to achieve maximum RPM & horsepower output
- The merge collector allows the exhaust from each of the four pipes to merge together gradually at the collector producing a greater power gain than standard street systems
- Slip joints on the head pipes allow proper fit with larger & wider engines
- Complete system includes replacement tubes for heater box

- SC112 = 1-1/2" Merge Header**
- SC112C = 1-1/2" Merge Header - Ceramic**
- SC158 = 1-5/8" Merge Header**
- SC158C = 1-5/8" Merge Header - Ceramic**
- SC134 = 1-3/4" Merge Header**
- SC134C = 1-3/4" Merge Header - Ceramic**
- SC200 = 2" Merge Header**
- SC200C = 2" Merge Header - Ceramic**
- SCQS = Stinger Merge Muffler for T1**
- SCQSC = Stinger Merge Muffler for T1 - Ceramic**
- SCQSCL = Stinger for 2" Merge Header - Ceramic**

HIGH-PERFORMANCE STANDARD QUIET EXHAUST SYSTEMS

- Dyno tested to breathe more life into your engine
- Equal-length extractors are precision mandrel bent from 1-3/8" heavy-gauge steel tubing & jig welded for proper fit
- Quiet muffler minimizes back pressure and keeps noise level down
- Illustrated instructions, mounting hardware & heater hose included

Application	Header Only Single	Muffler Only Single	Dual
13-1600 Sedan, Ghia	55210	55189	55192
13-1600 Type 2 to '67	55211	55190	55192B
Type 3 '64-'73	55212	55213	-
411/412 & Bus '72-'74	55241	55249	-

SINGLE OR DUAL MERGE QP MUFFLERS, TYPE 1

- SCQ-1 = Single Quiet Muffler for Merge Exhaust**
- SCQ-1C = Single Quiet Muffler for Merge Exhaust - Ceramic**
- SCQ-2 = Dual Merge QP Muffler, Type 1**
- SCQ-2C = Dual Quiet Muffler for Merge Exhaust - Ceramic**

DYNAMAX "FAT BOY" MUFFLERS

- Made in U.S.A.
- Increases Horsepower
- Raw, Painted or Ceramic Coated
- Sounds Great
- For Merge or Standard Headers

- DMS-1 = Standard header**
- DMS-1C = Standard header - Ceramic**
- DMM-1 = Merge header**
- DMM-1C = Merge header - Ceramic**

4-TIP GT EXTRACTOR SYSTEM

- European styling with 4 chrome exhaust tips - fits Type 1 Sedan/Ghia and Type 2 to '71
- Quiet style performance muffler

55153 = 4-Tip GT Extractor System

SMALL 3-BOLT FLANGE CHROME STINGER

- 18" long
- Designed for competition use on sedan applications

55202 = Chrome Stinger

55201 = Stinger Baffle Kit



HEATERBOX CHANGEOVER PIPES

- Gain more horsepower by removing heaterboxes
- Changeover pipes are preformed to clear all body panels and fits all after market 1-3/8" & 1-1/2 O.D. tubing extractors

55062 = Pair – Heaterbox Changeover Pipes



CHROME REPLACEMENT EXHAUST TIPS

- Replaces broken or bent stock exhaust tips
- Simple bolt-on installation
- Flared design for that customized look
- Triple chrome-plated for lasting beauty

55006 = Pair – Chrome Exhaust Tips



HEAVY-DUTY FRESH AIR HEATER HOSES

- High-impact heat-resistant plastic
- Replacement heater hoses – no clamps required
- Eliminates loss of cooling air and overheating caused by torn or rotted stock paper hoses

61003 = Pair - Fresh Air Heater Hoses



FLEXIBLE ALUMINUM HEATER DUCTING

- Flexible air tight aluminum – sold in pairs
- Oil, gasoline & high-heat resistant
- Perfect replacement for less than adequate factory ducting
- Pre-cut to 18" lengths

55151 = Pair - 2" ID VW Type 1 & 2

55223 = Pair - 2-1/4" ID VW Type 3



HEAT RISER BLOCK OFF PLATES

- Blocks off exhaust pipe heat rise flange
- Precision steel stamping available raw or triple chrome-plated

55199 = Standard Block Off **55199C = Chrome Block Off**



DURA-SEAL COPPER EXHAUST GASKETS

- Made from tough C11 annealed copper

55112 = Copper exhaust gaskets 1-1/2" I.D. – set of 4

55158 = Copper exhaust gaskets 1-5/8" I.D. – set of 4

55195 = Copper small 3 bolt triangle muffler flange gasket



VW EXHAUST FLANGE GASKETS

- Precision die-cut for perfect fit
- Seals against all leaks
- Bulk packed in packages of 10 Pieces

Heat Riser	Head Std	Head 1-5/8"	Extractor Exhaust Flange 3-Bolt Large	Extractor Exhaust Flange 3-Bolt Small
35039	55061	55216	55059	55125



VW EXHAUST INSTALLATION KIT

- For use with all Extractor Exhaust Systems
- Preformed mounting clamps with attaching bolts
- High heat resistant 'doughnut' gasket included

55063 = Exhaust Installation Kit





MALLORY '009' HIGH-PERFORMANCE VW DISTRIBUTORS & REPLACEMENT COMPONENTS

- Both are full mechanical centrifugal advance & fit all 6- & 12-Volt, Type 1-3, all Type 4/914 – will not work with fuel injection
- Mallory features adjustable advance 16 degrees – 28 degrees; factory preset at 24 degrees
- Includes tool to accurately adjust & set total advance to your specific needs
- '009' features 22 degrees built-in total advance at 2600 RPM
- Retarded 3 degrees on #3 cylinder to reduce cylinder head temperature
- Excellent bottom end & smooth quick power to 7000 RPM; higher RPM's with use of special '092' points – sold separately

Distributors

45090 = Mallory Performance VW Distributor

45063 = '009' Distributor

Replacement Components

<u>Replacement Components</u>	<u>Mallory</u>	<u>'009'</u>
Distributor Cap	45091	45064
Distributor Rotor	45092	45065
Distributor Condenser	45023	45066
Distributor Point Set	45024	45067 – '092' High-Performance
*Spark Pack	45093	45079

**Includes Cap, Rotor, Condenser & Point Set*



HIGH-PERFORMANCE 12-VOLT IGNITION COILS AND 7mm IGNITION WIRE SETS

- Designed for hotter spark, quick starts and higher RPM
- Insulated and sealed for longer life & cooler operation
- Chrome Coils and color wire systems available

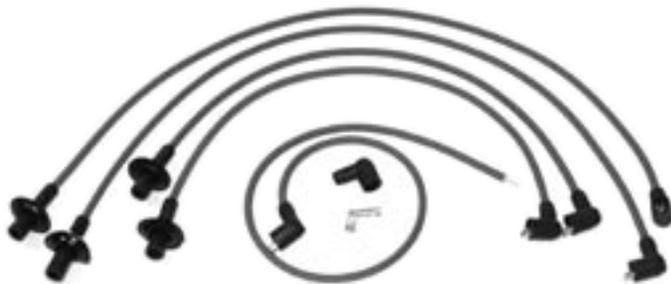
45005 = Chrome 12-Volt Universal Coil W/Mounting Bracket

45069 = Bosch 12-Volt "BLUE" Coil

45105 = Blue 7mm Performance Wire Set

45106 = Red 7mm Performance Wire Set

45107 = Yellow 7mm Performance Wire Set



HIGH-VOLTAGE 90-DEGREE BOOT IGNITION WIRE SETS - 8mm

- 8mm Silicone Sleeves Resist Extreme Heat and Noise
- 90 Degree Distributor Cap Boots
- 32" Cut to Length Coil Wire
- Heli-wound Low-Resistance Stainless Conductors

45012 = Yellow w/Metal Core

45037 = Orange w/Radio Suppressed Core

45100 = Blue w/Metal Core

45101 = Red w/Metal Core

PERTRONIX IGNITOR & FLAME THROWER COILS

- Burns fuel Faster, more efficiently to produce better gas mileage + horsepower
- No more adjustments or ignition points

45102 = Ignitor Electronic Ignition Module for Centrifugal Advanced Distributor

45103 = Mallory Electronic Ignition Module for Centrifugal Advanced Distributor

45104 = Ignitor Electronic Ignition Module for Vacuum Advanced Distributor

45111 = Chrome Flame Thrower Coil, 40,000 Volt

45112 = Epoxy Filler Flame Thrower, 40,000 Volt

45113 = Flame Thrower Coil, 40,000 Volts

45063PI= 009 With Ignitor Module Installed





COMPU-FIRE ELECTRONIC IGNITION SYSTEM

- Better Gas Mileage, Quicker Starts, Smoother Engine Operation
- Proven to Burn Fuel Mixture Faster Producing More Horsepower

CF11100 = 60,000 + Volt DIS-IX Distributorless Ignition for 009 Distributor

CF21100 = Electronic Ignition Module for 009

CF21101 = Electronic Ignition Module for Vacuum Advanced Distributor

45063CF = New 009 With Electronic Module Installed - Complete



CAL-LOOK CAP FOR BOSCH 009' DISTRIBUTOR

- Custom transparent colors
- Brass contacts for maximum output

Style	Clear	Red	Blue
Standard VW	45086	45087	45088



DRESS UPS - COIL/GENERATOR/DISTRIBUTOR

- Enhance appearance of your engine by smartly outfitting those drab looking functional parts by covering them up with simple bolt on chrome dress up covers & hold down clamps

80309 = Stainless Steel Coil Cover

80310 = Stainless Steel Generator Cover

45076 = Chrome Alternator/Generator Hold Down Strap

45085 = Chrome Dist Clamp



12-Volt NEW ALTERNATOR CONVERSION KIT

- For '67 & later 12-Volt upright engines
- Use of 51 AMP alternator allows you to run a full compliment of driving lights, tape decks & other high drain accessories
- Kit includes new alternator, alternator stand, sheet metal & alternator hold down strap

45070 = Complete Kit

45077 = Replacement Bosch Alternator



HIGH TORQUE 4.440 GEAR REDUCTION VW & PORSCHE STARTER MOTORS

- 30% More Starting Power Over Stock Units
- Completely Sealed With O-Rings

45078 = 12-Volt HIGH-TORQUE Performance Starter

45078C = Chrome 12-Volt HIGH-TORQUE Performance Starter





ELECTRICAL SYSTEM & ACCESSORIES SERIES 45



MSD – Multiple Spark Discharge – (MSD™) design that produces a series of sparks during every firing of the spark plugs. Other ignitions produce only on spark, but MSD™ Ignitions produce multiple sparks to insure complete ignition of the air/fuel mixture in the cylinder. By reliably and completely burning this mixture the MSD™ will give you more power, easier starting of high compression engines and reduce plug fouling.

MSD BILLET 6061-T6 VW DISTRIBUTOR & COMPONENTS

- NHRA & NASCAR technology for your VW engine
- High output magnetic pick up that never needs adjustment
- Sealed ball bearing shaft resists wobbling at 10,000 RPM +
- Adjustable advance using selection of 3 sets of advance springs supplied
- Mechanical advance may be 'locked-out' for race applications
- Must be used with a separate ignition control, 6A, 6AL or 7AL-2, depending on your application

- 8485 = Billet VW Distributor**
- 8434 = Replacement Cap for MSD 8485 Billet Distributor**
- 8467 = Replacement Rotor for MSD 8485 Billet Distributor**



MSD IGNITION CONTROL UNITS

- 6200 = MSD6A - 10,000 RPM & 45,000 volts – specifically designed for high-perf street or Bracket Race**
- 6420 = MSD6AL - same as MSD6A Control Unit but includes a MSD Exclusive 'soft-touch' Rev-Control to protect your engine from over-revving. Modules supplied for 3K, 6K, 7K & 8K RPMs other RPM modules are available separately**
- 7224 = MSD7AL-2-12,000 RPM & 50,000 volts – designed for high RPM high compression all-out race engines! Same control unit used by 80% of NHRA Pro-Stock Winners! Features MSD 'Soft-Touch' Rev-Control and is supplied »with RPM modules for 7K, 8K, & 9KRPMs. Other RPM modules are available separately.**



DENSO SPARK PLUGS

- DN-W20FS-U = DENSO 14mm x 1/2" VW Spark plug for type 1 Engine**
- DN-W20ES-U = DENSO 14mm x 3/4" VW Reach spark plug for type 1 engine**
- DN-X24EP-09 = DENSO Spark plugs 12mm x 3/4" VW Reach spark plug for type 1 engine**



MSD IGNITION COILS

- 8202 = Blaster 2 - 45,000 volt maximum output (Resister not included)**
- 8200 = Chrome Blaster 2 – 45,000 Volts (Resister included)**
- 8201 = MSD Pro-Power -50,000 volt maximum output Specially designed for use w/MSD7 Series Ignition Control Highest voltage and spark energy possible when used with MSD7AL-2 Control. Not for street vehicles – Racing Only!**

RESISTER

MSD HELI-CORE IGNITION WIRE SET

- 8mm High-Performance wire set
 - Low Resistance for Maximum Voltage
 - Designed to prevent "inductive crossfire"
- 3193 = Set – MSD Heli-Core Ignition Wires**



URETHANE TRANS MOUNT KIT

- One-piece construction will not separate like stock mounts
- Polyurethane constructions with steel sleeves & Grade 5 hardware
- Fits '61- '72 Type 1

70169 = Urethane Trans Mount Kit



O.E.M. STOCK REPLACEMENT TRANSMISSION MOUNTS

- Replace your worn or broken motor mount & eliminate engine vibration
- High quality O.E.M. replacements – no modification or special tools required

113301263 = Rear Saddle Mount – '49 - '72 Type 1; Type 3 to '68

311301265A = Front Nose Mount – '61 - '65 Type 1

311301265B = Front Nose Mount – '66 - '72 Type 1



BUS REAR MOTOR MOUNT

- Converts all Type 1 Sedan Upright Engines to fit late-model rear hanger bus
- Adapter bolts directly onto oil pump cover and to bus rear engine mount
- Economy conversion avoids cost of a new Universal Engine Case
- Precision stamped from heavy-gauge steel - plated for corrosion resistance
- Installation hardware included

70204 = Bus Rear Motor Mount – '68- '71 Bus; '69 & later Type 3



SOLID TRANS MOUNTS

- 3-piece solid steel mounts to replace stock rubber mounts
- Reduces wheel hops and broken transmissions
- Heavy-gauge steel construction – plated for corrosion resistance
- Grade 5 bolts and attaching hardware included

70020 = Solid Trans Mount



STEEL TRANNY KIT

- Designed to contain the VW transaxle
- Helps prevent costly transaxle breakage under abuse of rough terrain or hard acceleration
- Kit includes formed front & rear retaining straps, steel motor mount frame & sold front trans mount
- Installation hardware included

70063 = Steel Tranny Kit - Fits all VW Transaxles



SWAY BAR INSTALLATION KIT

- Replace worn bushings & clamps
- High quality O.E.M. replacements for perfect fit

111498101 = Front '65 & Earlier

111498101A = Front '66-73 Excl S/Beetle





DIFFERENTIALS & GEAR SERIES 70



SCAT PERFORMANCE SWING & IRS DIFFERENTIAL ASSEMBLIES

- For use with all VW Sedan Transaxles
- Doubles the strength of your stock spider gear section with the addition of two (2) spider gears without changing differential action
- A must for drag racing or rugged off-road driving
- Perfect fit – no alterations or machining required
- Ideal for use with SCAT close Ratio Competition Gears
- Completely race proven – unsurpassed in workmanship, quality and reliability
- All Differential Assemblies Include Heavy-Duty Spider Gear Section

70157 = Swing Axle Threaded Ultra-Strong Diff.

70099 = Swing Axle Heavy Duty Snap Ring Diff.

70041 = IRS Super Diff – Fits '69 & Later Sedan

70158 = 11 Tooth Spider Gears, Each

PH440 = 10 Tooth Spider Gears, Each



COMPETITION ALUMINUM

- Billet 7075 – T6 Aircraft Quality Aluminum Spool
- Ready to bolt onto any Swing Axle with an 8-bolt pattern
- Weighs under seven (7) lbs
- Spool is designed to provide even traction to both rear wheels for drag racing applications

70250 = Aluminum Spool



HEAT-TREATED 3RD & 4TH GEAR KEYS and SPACER & WASHER KIT

- Twice the strength of stock keys
- Allows you to utilize full potential of added horsepower – ideal for all competition uses

70047 = Swing Axle Gear Key Set

70048 = Swing Axle Spacer & Washer Kit



CLOSE RATIO 8620 COMPETITION TRANSAXLE GEAR SETS

- A must for all performance drag racing, off-road, slalom & competition racing
- Makes close ratio gear box – lowers final drive ratio of 3rd & 4th gears
- Precision machined to replace original gears perfectly – ground to exact tolerances – heat treated hardened alloy 8620 steel
- Race proven – unsurpassed in workmanship, quality and reliability

All Years 3rd Gears	Ratio	Keyed 61-67		Splined 68-71
		4th Gears	Ratio	4th Gears
70013 =	1.48	70199 =	1.04	= 70201
70053 =	1.58	70014 =	1.14	= 70015
70198 =	1.70	70054 =	1.21	= 70056
		70095 =	1.31	= 70096
		70254 =	1.43	= 70255

HIGH-IMPACT 356-T6 ALUMINUM HEAVY-DUTY SIDE COVERS

- **MADE IN U.S.A. BY SCAT – STRONGEST IN INDUSTRY!**
- Designed to keep ring gears engaged with pinion gears
- Helps eliminate flexing resulting in ring gear breakage

70044 = Swing Axle '61 - 67

70042 = IRS '68 & Later



TRANSAXLE LOCK NUT KIT

- Top quality nylon-inserted lock nuts
- Added Strength to All Swing Axle & IRS Transmissions

70139 = 44-Piece Transaxle Lock Nut Kit



RICHMOND RING & PINION GEAR SETS

- For street – strip, oval track and all off-road competitions
- Applications for Swing Axle & IRS
- Lower ratios allow use of larger rear tires for added traction

70043 = 4.86:1 Ratio – drag, oval, off-road

– 12 hole ring gear fits both 6- & 8-bolt carriers



CLOSE RATIO 1ST & 2ND MAINSHAFT ASSEMBLIES

- Ratios allow higher RPM in 1st & 2nd gears for quicker starts
- For use with high-performance street, strip & off-road applications

70265 = 3.40 1st/2.21 2nd Mainshaft Assembly

70266 = 3.78 1st/2.25 2nd Mainshaft Assembly





FRONTENDS HIGH & LOW-RIDE SERIES 70



ADJUSTABLE FRONT AXLE BEAM

- Adjustable from 'low-rider' to street legal in just minutes
- Center adjusters allow you to dial in your style, ride and handling

70232 = Link Pin Front Axle Beam to '65

70233 = Ball Joint Front Axle Beam '66 & Later excl S/Beetle



FRONT END ADJUSTERS

- Converts your Front Axle Beam from fixed to adjustable
- Adjusters are installed in upper & lower front end cross tubes
- Designed for up to 2" adjustment up or down for total 4" adjustment
- Allows you to set height of front end to suit your driving requirements
- Requires cutting and welding of axle tubes
- May be used with stock or modified front ends

70217 = Link Pin Front End Adjuster, '65 & Earlier

70218 = Ball Joint Front End Adjuster, '66 & Later excl S/Beetle



SELECT-A-DROP

- Raises or lowers VW front end by rotating the torsion bars
- Designed for easy adjustment up or down
- For use on any stock VW sedan or lightweight vehicle using a VW Torsion Bar Front End
- For improved handling with slight change in suspension
- Heavy gauge steel pre-formed brackets
- Welding is required to complete installation

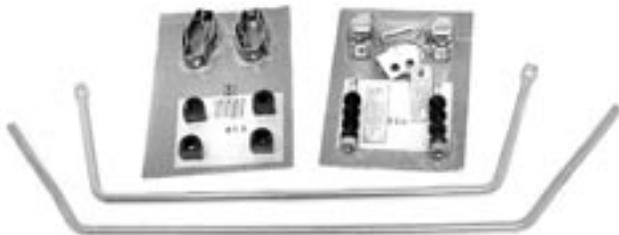
70040 = Select-A-Drop



CAMBER COMPENSATOR FOR VW SWING AXLES

- Improves traction, handling, safety and steering
- Easy to install with hardware and instructions supplied
- Prevents rear wheels from tucking and lifting

70071 = Camber Stop Kit, Swingaxle Bugs & Bus



HIGH-PERFORMANCE VW ANTI-SWAY BARS

- For better tracking, highway stability and longer tire life
- Made of high carbon steel, hardened & stress-relieved with forged ends
- Die-formed 12-gauge steel brackets, heat-treated end link bolt with over 5,000 LB tensile strength, high-quality shock absorbing neoprene bushings
- Highest quality – easy installation

70072 = Sedan & Ghia, Rear Swing Axle, 3/4" Dia.

70073 = Sedan & Ghia, Rear IRS, 3/4" Dia.

70074 = Sedan & Ghia, Front '52 - 65, 3/4" Dia.

70075 = Sedan & Ghia, Front '66 - 77 Excl S/Beetle, 3/4" Dia.

70076 = Super Beetle, Front '71 - 73, 3/4" Dia.

70077 = Super Beetle, Front '73-1/2" - 80, 3/4" Dia.

70079 = Type 3, Front to '66



ADJUSTABLE COIL OVER HEAVY-DUTY SHOCKS

- Perfect for beefing up or raising rear of your Sedan, Buggy, Van or Squareback
- Shock body is painted - coil springs are chrome plated
- Quick & easy adjustments – adjusting wrench included

70164 = Pair – Adjustable Coil Over Shock, All Type 1 Rear; '67 & Earlier Type 1 Front



NEW STEERING GEAR BOX & STEERING COUPLER

113415061 = Steering Gear Box, Fits all Sedan except Super Beetle

111415417 = Steering Coupler

CHROME ACORN STYLE VW LUG BOLTS

- For use with Cal-Look VW Chrome Wheels
- Chrome-plated steel acorn style lug screw directly into VW brake drums or Disc

70251 = Chrome Acorn Style Lug Bolts, 12mm X 1.5mm, 5-Piece Set

70252 = Chrome Acorn Style Lug Bolts, 14mm X 1.5mm, 4-Piece Set



CUSTOM WHEEL ADAPTERS

- Adapter will increase wheel track 1"
- Heat-treated wheel studs included

70028 = Steel Pair, VW5 to Chev 4-3/4" Bolt Circle 5-Lug Wheel

70030 = Aluminum Pair, VW4 to Chev 4-3/4" Bolt Circle 5-Lug Wheel

70029 = Steel Pair, VW5 to Ford 4-1/2" Bolt Circle 5-Lug Wheel

70059 = Steel Pair, VW5 to VW4 Lug Wheel



REAR 4-LUG DISC BRAKE CONVERSION KITS

- Designed for Long Swing Axle from 67 & IRS Transaxles
- NEW Kit Includes 2 X Rear Hubs, 2 X Calipers w/Pads, 2 X Rear Brake Disc Rotors, 2 X Heavy-Duty Adapters w/Hardware

70290 = Rear Disc. Brake Kit w/o Emergency Brake

70291 = Hydraulic Park Loc Kit

70290EB = Rear Disc Brake Kit with Emergency Brake for 4-Lug Type 1 Swing Axle



WIDE 5 REAR DISC BRAKE KITS

- 1-piece cast-iron rotors with 0-offset
- Available with or without emergency brake
- Increased braking power at a budget price
- Kit Includes: 2 rotors, 2 calipers, 2 caliper securing brackets, performance brake pads, and hardware

70295 = Wide 5 Rear Disc without Emergency Brake

70295EB = Wide 5 Rear Disc with Emergency Brake

70296P = Small 5 Rear Disc with Emergency Brake - Porsche 911



FRONT BALL JOINT DISC BRAKE CONVERSION KIT

- NEW Kit Includes: 2 X Disc Rotors, 2 X Backing Plates, 2 X Disc Brake Calipers w/Pads, 2 X Disc Brake Spindles, 2 X Front Wheel Oil Seals, 2 X Inner & Outer Wheel Bearings
- Upgrade braking efficiency with confidence and no hassle

70220 = Ball Joint Disc Brake Conversion '66 & Late excle S/Beetle

70293 = Wide - 5 Front Disc, Ball Joint Brake Kit

70293P = Porsche 5 - Lug Front Disc Ball Joint Brake Kit



DELUXE BEETLE STAINLESS STEEL FIREWALL KIT

- 3-piece deluxe kit with louvered panel and plain side walls
- Mirror polished finish

80289 = Louvered 3-Piece Firewall Kit





PROCAR STEERING WHEELS SERIES 80



EUROPA GT 13" LEATHERETTE VW STEERING WHEELS

- Aluminum spokes finished in Black or Brushed Satin
- STEERING WHEEL ADAPTER INCLUDED
- Selection of Horn Buttons included: VW, Wolfsburg & SCAT

Cover	Spoke	Early VW	Late VW
Black	Black	80510	80510-1
Black	Satin	80511	80511-1
White	Black	80506	80506-1



MOTORACE GT 13-1/2" BLACK LEATHERETTE VW STEERING WHEELS

- Steel frame – 3- or 4-spoke designs in Brilliant Chrome or Epoxy Powder Coated Black
- Complete with Steering Wheel Adapter, pre-assembled to wheel – fits most popular VW applications
- Selection of Horn Buttons included: VW, Wolfsburg & SCAT

Spoke Style & Color	Early VW	Late VW
3 Spoke, Chrome	80505	80505-1
3 Spoke, Black	80552	80552-1
4 Spoke, Chrome	80553	80553-1
4 Spoke, Black	80554	80554-1



VOLKSWAGEN STEERING WHEEL APPLICATION CHARTS

EARLY APPLICATIONS	LATE APPLICATIONS	
Beetle '60 - 73	Beetle '74 - 88	Pick Up '80 - 88
Type 3 '65 - 71	Dasher '74 - 88	Type 2 '80 - 88
411 '71 - 73	Golf '75 - 88	Jetta '81 - 88
Thing '73	GTI '75 - 88	Quantum '81 - 88
	Scirocco '75 - 88	Porsche 924 '77 - 82
	Porsche 944 '83 - 87	



SANDRAIL/UNIVERSAL FLAT 11" OR 12 1/2" STEERING WHEELS

- Anodized aluminum 3-spoke design in black, silver, blue, red & gold
- Heavy-duty, yet lightweight in design with a black sewn Leatherette grip for comfort & style
- Universal application – bolt pattern undrilled for unlimited custom applications
- Center line of wheel is marked (punched) for ease of alignment & drilling

11" Dia	Color	12 1/2" Dia.
80670	Black	80675
80671	Silver	80676
80672	Blue	80677
80673	Red	80678
80674	Gold	80679



CUSTOM VW DOOR HANDLE & WINDOW CRANKS

- Triple chrome-plated die-casted handles with contrasting black nylon escutcheon plates and knobs
- Nylon molded plates & knobs for strength and durability
- Single set screw mounting with Screw & wrench included

80010 = Door Handle – All Early Type 1 & Ghia - pair

80011 = Window Crank – '67 & Earlier - pair

80046 = Window Crank – '68 & Later Type 1; Rabbit, GTI, Golf & Scirocco - pair



VINYL SPARE TIRE COVER & TOOL BAG

- Slips over spare tire – designed for tool storage

80-7000-51 = Black Vinyl

80-7000-53 = White Vinyl

80-7000-52 = Grey Vinyl

80-7000-54 = Beige Vinyl



SCAT's EXCLUSIVE, PATENTED DRAG - FAST[™] DUAL-T[™] 4-SPEED CHROME SHIFTERS

- The Original Dual-T[™] Handle VW Shifter
- 4 models offered – VW, Sedans, Bus/Transporters
- Contoured finger grip chrome plated cast aluminum T-Shift Handle
- The quickest & most accurate VW shifter made – no more wandering to locate gear
- Separate T-Handle reverse stick for a full mechanical reverse lock out
- All critical wear parts are heat treated
- Custom draw-string black vinyl shift boot
- Simple bolt-on installations using a 13mm wrench

80500 = Straight Handle '68 & Later Type 1 & all Type 3

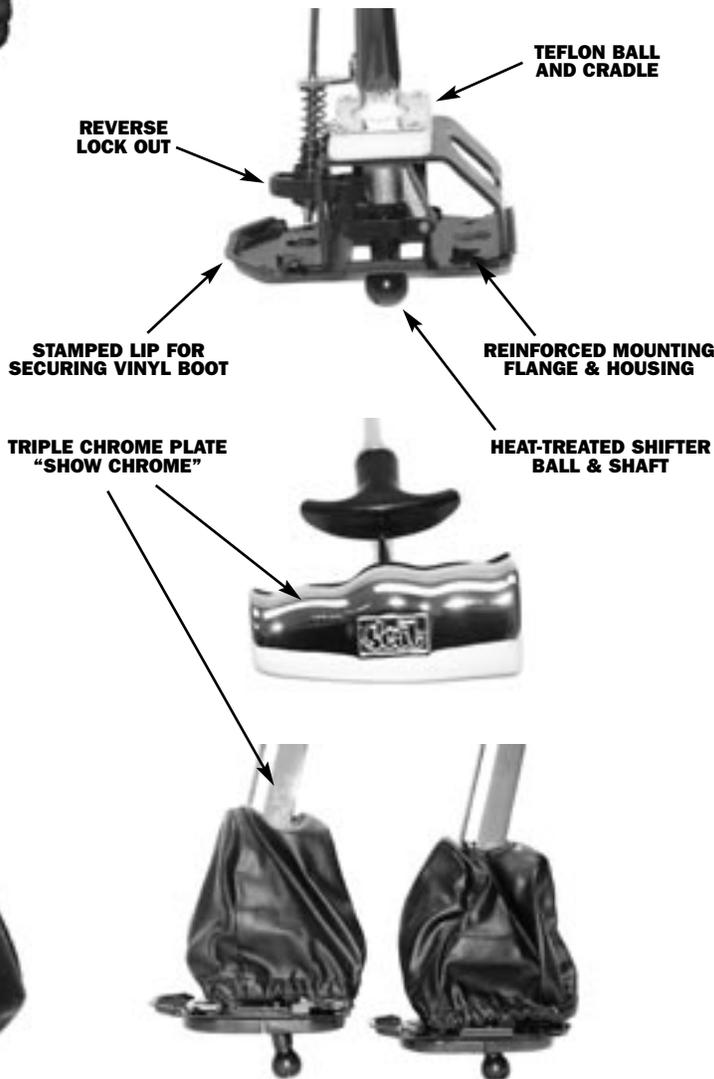
80501 = Angle Handle '67 & Earlier Type 1 & all Ghias

80502 = Angle Handle '62 - 67 Bus/Transporter

80503 = Angle Handle '68 & Later Bus/Transporter

80268S30 = Replacement Chrome Die-Cast T-Handle

DUAL-T[™] and Distinctive Product Design are Exclusive Trademarks of SCAT Enterprises, Inc.





BOLT – ON ACCESSORIES SERIES 80



CHROME EMERGENCY BRAKE HANDLE

- Complete Replacement Chrome Brake handle fits '56 - 79 Beetle
- Simple bolt-on

80218 = Chrome Emergency Brake Handle



VW QUICK SHIFT

- Shortens the throw of stock VW shifter
- Simple 15-minute installation

80015 = VW Quick Shift – fits all Type 1 VW

CUSTOM PEDAL PADS

- Custom slip-on accelerator, brake & clutch covers
- 3/8" thick black rubber non-slid pads
- Deep tread design against a contrasting chrome grille

80130 = Set – Custom Pedal Pads Type I Beetle

80138 = Set – VW RABBIT/GTI/GOLF/SCIROCCO



CUSTOM ROLLER ACCELERATOR PEDAL

- Designed to allow foot movement on pedal without affecting throttle action
- Ideal for all off-road uses
- Chrome-plated heavy-duty steel pedal bracket

80164 = Custom Roller Accelerator Pedal

BILLET ANTI-THEFT DOOR LOCK PULLS

- For all VW's with door lock pulls – simple unscrew stock unit and screw on the new

80184 = Pair – Chrome Door Lock Pulls '67 & Later VW

80184-1 = Pair – Black Chrome Door Lock Pulls '67 & Later VW

80009 = Pair – Billet Aluminum 6061 Door Pulls

ANTI-THEFT VW VENT WINDOW LOCK

- Locks vent windows & help prevent break-ins
- Simple installation requiring no alteration or tools

80106 = Pair – SCAT VW Vent Window Lock fits '72 & Earlier

CAL-LOOK CHROME STEEL T-BARS

- Mounts to stock front & rear bumper location
- Triple chrome plated steel for lasting beauty

80170 = Pair – '67 & Earlier Type 1

80171 = Pair – '68 & Later Type 1

EUROPEAN LOOK CHROME BUMPER W/BUMPER GUARDS

- No holes for stock bumper bows
- Four holes to mount bumper bracket and bumper guard
- Models available for both front & rear to '67

113707111A = Front Bumper

113707311A = Rear Bumper

111707155 = European Look Chrome Bumper Guard

CHROME FRONT BUMPER W/TURNING LIGHTS

- Cal-Look modification for all '68 - '73 Beetles
- Bumper ends are slotted for amber turning or running lights
- Installs to vehicle using stock bumper brackets

113707103C = Front Bumper 113953047 = Pair – Amber Lights

STAINLESS STEEL LOUVERED BEETLE RUNNING BOARDS

- Mounts in same location with new installation hardware included
- Stainless steel construction eliminates all problems of rust

80241 = Stainless Steel Louvered Running Boards, 2-Piece Set



GENUINE VW RUNNING BOARDS

- Simply the best!
- Made to O.E.M. standards of quality, fit and finish

113898505 = Genuine VW Running Board - pair



CAL-LOOK WINDOW RUBBER KITS

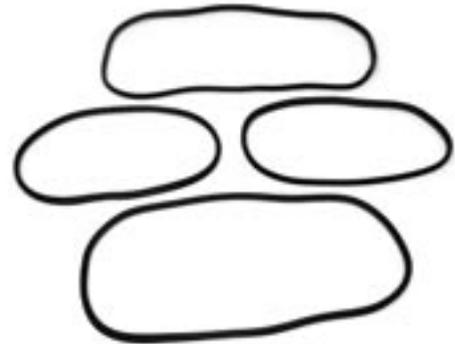
- Top quality 'Cal-Look' Type 1 Window rubber kits for popular VW Sedans
- Eliminates provision for chrome molding found on stock rubbers
- Perfect fitting – long lasting – leak proof
- Includes front windshield, rear window & rear quarter window rubbers

80292 = Kit – '58 - 64

80293 = Kit – '65 - 71

80294 = Kit – '72 - 79

80295 = Kit – '73 - 79



REPLACEMENT VW TYPE 1 BODY SEALS

- Replace your worn body seals with these top quality replacements
- Keeps your VW Sedan sealed & protected under all conditions

111813705A = Engine Compartment Seal to '66

111813705D = Engine Compartment Seal '67 & Later Standard & S/Beetle

111823731B = Front Hood Seal fits all Beetles

111827705 = Rear Engine Deck Lid Seal fits all Beetles

111831721A = Door Seal, Left all Beetles to '66

111831721D = Door Seal, Left all Beetles '67 & Later

111831722A = Door Seal, Right all Beetles to '66

111831722D = Door Seal, Right all Beetles '67 & Later



VW BODY GASKET KIT

- Complete easy to cut & use body gaskets in sheet form
- Top quality weather resistant black neoprene
- Sheet includes gaskets for license lamp, tail lamps, turn signal lamps, door handles, trunk handles & bumper supports

80183 = Body Gasket for '55 - 66 Sedan

80205 = Body Gasket for '68 & Later Sedan



DECK LID STAND-OFFS – VW TYPE 1

- Designed to space rear deck lid cover from body allowing heat to escape from engine compartment allowing engine to run cooler
- Cast aluminum brackets are installed between rear deck lid and stock hinge

80166 = Pair – Deck Lid Stand-Offs, fits all Beetles





BUGGY EXTERIOR ACCESSORIES



CHROME 7 "HEADLIGHT HOUSINGS"

- Lights can be mounted horizontally or vertically
- Ideal for any Buggy, Baja Bug or Street Rod
- Housing is 4" deep – all wires pass through stem

85026 = Pair – Chrome Headlight Housing



CHROME PULLEY & BELT GUARD

- A safety must for all applications where engine is exposed!
- Guard completely covers both pulleys and entire fan belt
- Guard also protects fan belt and pulleys from any foreign material

85002 = Chrome Pulley Guard – Diamond Mesh Pattern



UNIVERSAL WIRE HARNESS KIT

- Complete wire harness kit for any Bug, Buggy or custom chassis applications
- Color coded insulated copper wire
- 6 position fuse box, connectors, electrical tape, a little extra wire and detailed schematic

85014 = Universal Wire Harness Kit



CUSTOM VW STEEL TOW BARS

- Tow bar clamps to front torsion tube with 'L' pins included
- Designed for use with 2" ball – coupler is rated @ 3500 LBS
- Tow bar must be used with safety chain

85009 = Tow Bar for Standard Bug Front End

85044 = Tow Bar for Super Beetle



CAL-LOOK TURN SIGNALS

- Can be mounted on your front fenders or front apron
- Complete assembly includes amber lens, housing, bulb, seal, wire and mounting screws
- Use with 12-Volt system – change bulbs to use on 6 volt system

80281 = Pair – Cal-Look Amber Turn Signals



EARLY O.E.M. HEADLIGHT HOUSINGS & TAIL LAMPS

- Ideal for custom & restoration projects
- Replaces original parts perfectly

111941037C = Headlight Assembly Type 1 to '66

111945095 = Tail Light Assembly, Left '62 - 67 – Amber/Red

111945096 = Tail Light Assembly, Right '62 - 67 – Amber/Red



PROCAR BY SCAT

The most popular line of custom seating systems and accessories combine traditional styling, are affordable and offer the best in quality and comfort.



Sport Recliner Shown

All-steel frame is TIG-welded for strength and electrostatically coated for durability. High-density injection-molded foam is used throughout for maximum comfort and support.



Custom Adapters Available for Any Make or Model



Convenient details such as rear map pouch and "safe-lock" headrest adjustment can be found on all Procar® seats (except Xtreme and Rave).



Procar® "one-touch" recline/backrest release provides a wide range of backrest positions, from fully upright to horizontal, including a forward release for easy access to rear seat area on 2-doors.

PROCAR SEAT PART NUMBER LEGEND	
80 - 1600 - 61	
= Seat	
= Series (Rave)	
= Color & Material (Black Velour)	

Many Fabrics and Colors to Choose From

VINYL

Black -51 Grey -52 White -53 Beige -54



VELOUR



Black -61 Grey -62 Red -64 Blue -65 Yellow -66

NO ASSEMBLY REQUIRED

AVAILABLE ON RAVE & XTREME ONLY



Rally Series 1000

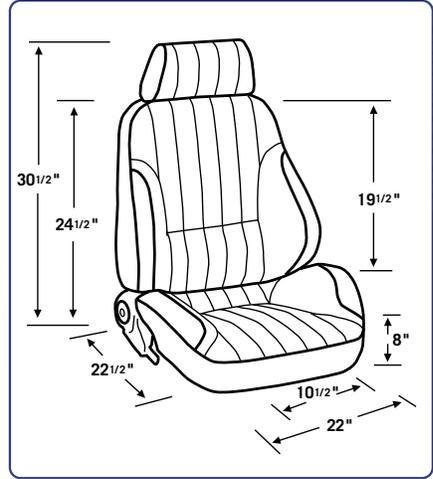
Equally at home in either a muscle car, pony car, Jeep® or off-road buggy, the Rally features vertical stitching for the vintage look with a pronounced side bolstering for added support under hard cornering.



Black Vinyl



Grey Velour



Black Vinyl

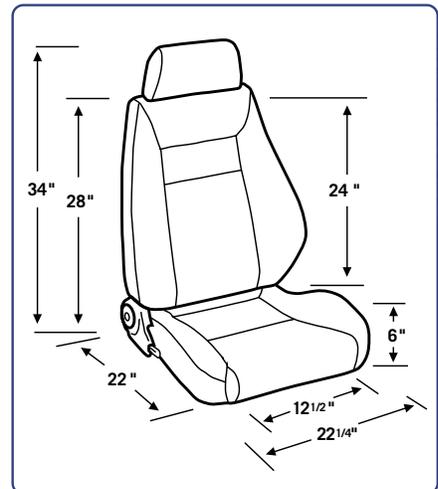


Grey Velour

Elite Series 1100

Contemporary **SPORTY STYLING**

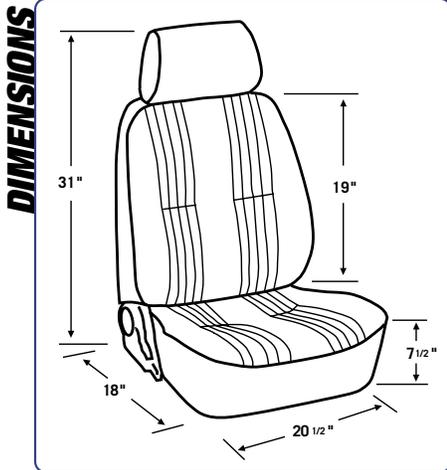
Contemporary style adds that sporty look for late-model pony cars, trucks, SUVs or sport compacts. Ergonomically shaped to accommodate all-sized drivers.





Pro-90 Series 1300
COMPACT Small Car or Mini-Truck

The most popular seat in the Procar® line the Pro-90 offers the best combination of style, comfort and affordability. Easy to look at, easy to get in and out of, easy to live with over the long haul.



Black Velour

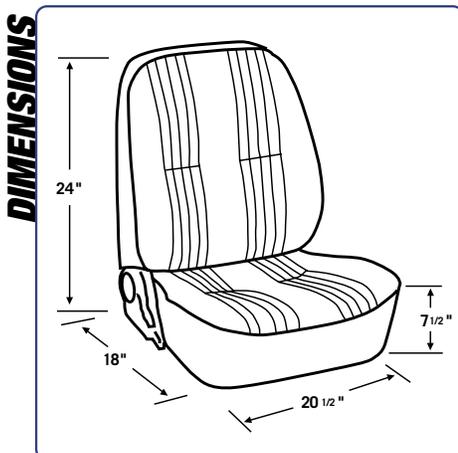


Grey Vinyl

LowBack Series 1400

COMPACT Vintage Look for Small Cars, Street Rods & VW Bugs

A variation on our best-selling seat, the Lowback is a perfect replacement for that less than adequate original equipment seat. Looks great in any early resto-rod, '50s Custom, pony car, muscle car or VW Bug.



Black Vinyl



White Vinyl



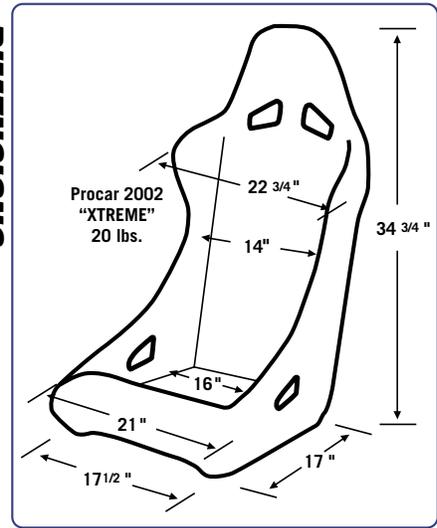
Red
Velour

Xtreme Series 1700

RACE-BRED for Competition

The latest addition to the Procar® seat line features race-bred styling and ergonomic shape to hold you in place under high-speed cornering situations. In addition to the regular Procar® features, these Performance Seats have openings to accommodate 5-point racing harnesses. A full bucket seat with maximum lateral support and ample padding — ideal for competition use or for the street enthusiast looking for that “full-race” look.

DIMENSIONS



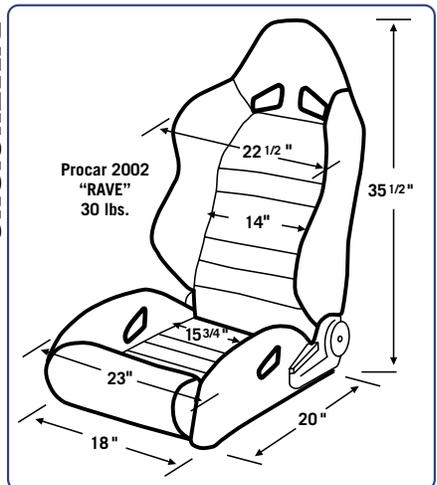
Yellow
Velour

Rave Series 1600

RACE STYLING with Street Comfort

High-tech styling combines generous lateral support with the convenience of a recliner — perfect for the street enthusiast and occasional weekend racer.

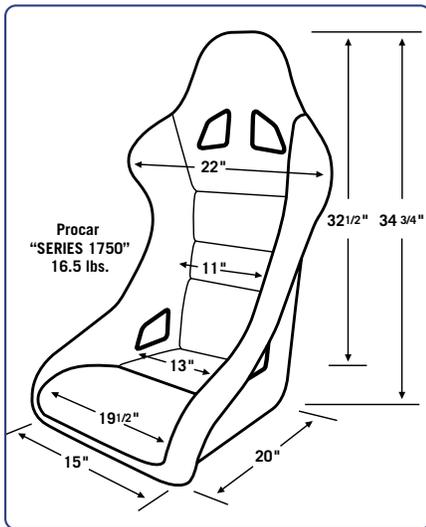
DIMENSIONS



F-Series & C-Series

Series 1750

SCAT IS PROUD TO INTRODUCE THEIR NEW LINE OF RACING SEATS. Standard features include 5-point harness capability, high quality velour and vinyl fabrics to choose from and your choice of a fiber composite or the even stronger carbon fiber composite shell. Our seats are made with the racer in mind and offer both durability and comfort. Bottom mounts are built directly into the seat or you have your choice of over 3,000 custom brackets so that the seats bolt directly to your vehicle.

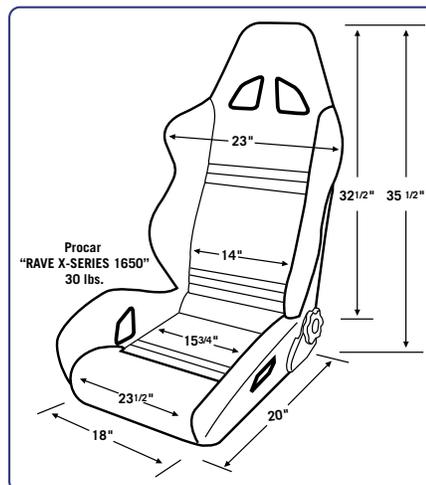


DIMENSIONS

Rave X Series 1650

NEW FROM SCAT FOR 2006 IS THE RAVE X-SERIES

with our new rotary knob to allow for "micro" recliner adjustment. This with our HOT new style make this a must for the streetenthusiast, whether it be for your sport compact, off-road, hot rod or muscle car.



DIMENSIONS



INTERIOR ACCESSORIES

SCAT/PROCAR VW INTERIOR KITS

- The ULTIMATE VW Bolt-in Interiors
- Complete kits unsurpassed in workmanship, quality & value
- For all Type 1 VW & Ghia – Sedan & Convertible
- Color and material coordinated to match Rally, Elite, Pro-90 and our new Magnum & LowBack Series of custom recliners
- Custom 4-Piece Door Panels include map-pockets, door pulls and panel backing is pre-drilled to match holes in door for ease of installation with hardware provided

- Custom Center console w/hide-away radio or cassette compartment available with or without tunnel tray & boot
- Custom Slip-On Rear Seat Cover with drawstring tie downs coordinated to match front seats in color, pattern & material
- Rear Seat Cover designed for VW & KG Sedans – may be installed on convertibles with slight modifications
- Optional Rear Speaker Tray & Steering Wheels available



RALLY INTERIOR – SERIES 1000

- Vinyl (Black, Grey or White)
- Velour (Black or Grey)

ELITE INTERIOR – SERIES 1100

- Vinyl (Black, Grey or White)
- Velour or Vinyl/Velour (Black, Grey or 2-Tone)



PRO-90 INTERIOR – SERIES 1300

- Vinyl (Black, Grey or White)
- Velour (Black or Grey)

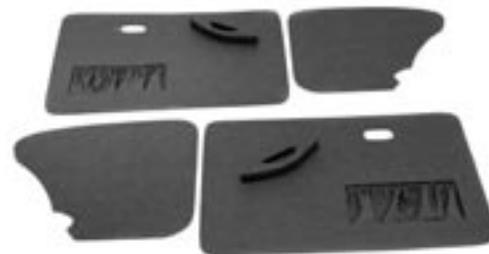
LowBack INTERIOR – SERIES 1400

- Vinyl (Black, Grey or White)
- Velour (Black or Grey)



SCAT/PROCAR VW INTERIOR COMPONENTS CUSTOM DOOR & REAR QUARTER PANELS

- Pre-punched panels that match stock body panel holes for ease of installation and precise fit
- Door Pulls plus panel installation clips included – no additional parts to buy or source
- Map Pockets designed into each door panel
- Panels are padded and sewn for that custom look – no stock looking heat seals
- Top quality Automotive Grade Velour Fabric or Vinyls that look and feel like Leather
- Available in black, grey & white vinyl and black & grey velour



TYPE 1 SEDAN 4-PIECE SET

'58-64 **80-2010**
'65-66 **80-2020**
'67-77 **80-2030**

K/GHIA SEDAN 4-PIECE SET

'56-64 **80-2210**
'65-76 **80-2220**

TYPE 1 CONVERTIBLE 4-PIECE SET

'58-64 **80-2110**
'65-66 **80-2115**
'67-77 **80-2120**

K/GHIA CONVERTIBLE 2-PIECE SET

'56-64 **80-2310**
'65-76 **80-2320**

CUSTOM VW CENTER CONSOLES

- Hideaway radio or cassette compartment
- Side panel pre-punched for 4" diameter speaker
- Available with or without tunnel tray and shift boot
- Models to fit Type 1 & K/Ghia – Sedan & Convertibles
- Color & material coordinated to match all SCAT/PROCAR Interiors
- Available in black, grey & white vinyl and black & grey velour



T1 – '67 w/ Boot	80-4000	T1 S/B '71-72 w/Boot	80-4300
T1 – '65-67 w/o Boot	80-4100	T1 S/B '73+ w/Boot	80-4400
T1 – '68+ Std. w/Boot	80-4200	K/Ghia All w/Boot	80-4500

CUSTOM SLIP-ON REAR SEAT COVERS

- Easy slip-on installation with drawstring tie downs
- Available with stitching to match all SCAT/PROCAR Interiors
- Color & material coordinated to match all SCAT/PROCAR Interiors
- Models to fit Type 1 and K/Ghia – Sedan & Convertibles
- Available in black, grey & white vinyl and black & grey velour



	Rally	Elite
Sedan	80-3000	80-3500
Convertible	80-3100	80-3600
Karma Ghia	80-3200	80-3700

SCAT/PROCAR REAR SEAT/SPEAKER SHELF

- Replace that weather beaten rear shelf with these custom lookers
- Shelf may also be used to mount rear speakers
- Shelves are covered with top quality Automotive Grade Velour or Vinyls that look and feel like leather
- Color, stitching and material coordinated to match all SCAT/PROCAR Recliners & Interiors
- One model fits all Type 1 Beetle Sedan and Super Beetle
- Available in black, grey & white vinyl and black & grey velour



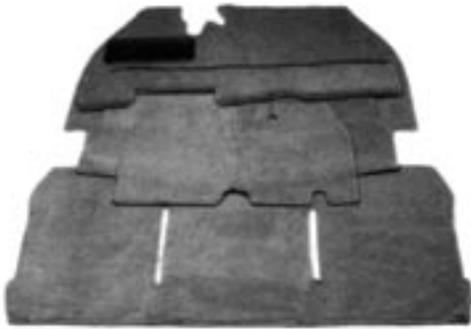
Rally = 80-5000 Elite = 80-5100

Elite Pattern matches Elite Seat Stitching

- Rally Pattern matches Rally, Pro-90 & LowBack stitching



INTERIOR ACCESSORIES



DELUXE SHOW CAR QUALITY CARPET KITS

- Edges are bound with matching material & all kits include driver heel foot rest in rubber
- Available in Black Cut Pile or O.E.M. Salt & Pepper Grey Loop Pile
- Special order colors = Brown, Tan, Light Blue, Navy Blue and Slate Grey

7-PIECE DELUXE CARPET KITS

(firewall, kick panels, side rails, front & rear floor areas)

STANDARD VW BEETLE

Color	Year	Sedan	Cabriolet
Black	'58-68	91013A	91031A
Grey	'58-68	91013C	91031C
Black	'69-72	91018A	91033A(69-70)
Grey	'69-72	91018C	91033C(69-70)
Black	'73-78	91027A	91034A(71+)
Grey	'73-78	91027C	91034C(71+)

SUPER BEETLE

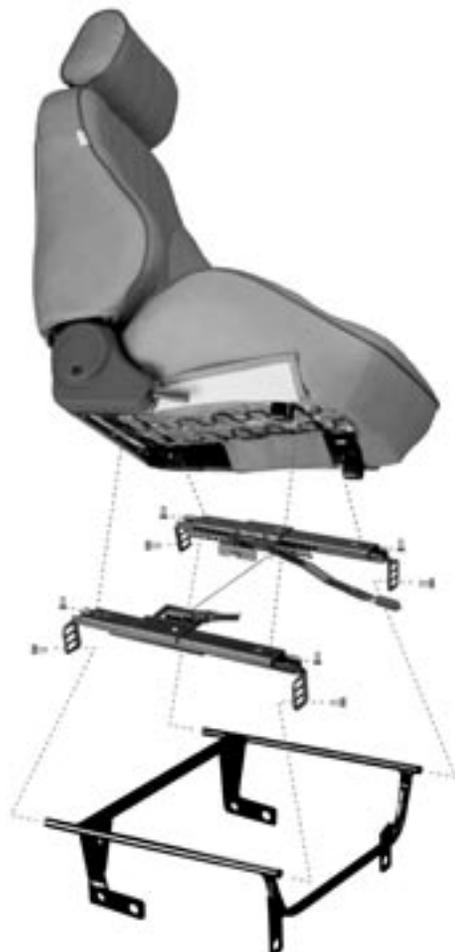
Black	'71-72	91030A	91030A
Grey	'71-72	91030C	91030C
Black	'73-78	91036A	91035A
Grey	'73-78	91036C	91035C

KARMAN GHIA DELUXE CARPET KITS

Color	Year	Part No.	Model
Black	All	91008A	Sedan – 24 Piece
Grey	All	91008C	Sedan – 24 Piece
Black	All	91006A	Cabriolet – 20 Piece
Grey	All	91006C	Cabriolet – 20 Piece

VW BEETLE & SUPER BEETLE REAR CARPET KITS

3-Piece Sedan			5-Piece All Sedan		
Year	Black	Grey	Year	Black	Grey
'58-64	91037A	91037C	'65-72	91042A	91042C
5-Piece All Sedans			4-Piece All Cabriolets		
Year	Black	Grey	Year	Black	Grey
'73-78	91045A	91045C	to '79	91047A	91047C



SEAT TRACKS & ADAPTERS FOR SCAT/PROCAR RECLINERS

- Seat tracks bolts directly to seat base and fits over stock floor pan rail utilizing the stock seat rail ratchet lock
- Seat adapter bolts to stock VW floor pan and mounts to a slider assembly which is bolted to the seat base – slider assembly is not included with the Slider Model SCAT/PROCAR Recliner
- Both are bolt-on installations – requiring no modifications
- To move seat forward or back lift handle of seat track or slider assembly
- Distance of seat travel forward or back is not affected
- Easy to follow illustrated instructions and mounting hardware included

VW SLIDER MODEL SEAT ADAPTERS

Application	Year	Driver	Passenger
Type 1 Standard	'48-55	81364	81365
Type 1 Standard	'56-70	81380	81381
T1 Standard & S/Beetle	'71-72	81384	81385
T1 Standard & S/Beetle	'73-79	81382	81383
Karman Ghia (to Mid '69)	'58-69	81396	81397
Karman Ghia ('69-1/2 +)	'69-74	81398	81399
Type 3 Squareback	'65-71	81394	81395

Plus 3,000 more for other applications

NON-COVERED BARE SEATS – PAIR

- Don't like the color – the material is not what I want! I want it my way!
- Elite, Magnum, Rally, Pro-90 & LowBack seats uncovered for those that want colors & materials not offered by SCAT
- Bare seats include the same quality features – steel subframe, high-density injected molded foam seat base and back, recliner with memory, recliner covers and mounting hardware
- Headrest included with all models excluding LowBack

8025400 = Rally
8040200 = Pro-90

8040500 = Elite
8066300 = LowBack





VW FOUR-CYLINDER ENGINE DISPLACEMENT CHART

VW FOUR CYLINDER ENGINE DISPLACEMENT CHART										
BORE	TOTAL DISPLACEMENT 4 CYLINDER ENGINES IN CC'S									
STROKE	85.5	87	88	90.5	92	94	96.5	101.6	103	105
69mm	1585	1641	1679	1775	1835	1915		2238		
71mm						1971			2366	2459
74mm	1699	1760	1800	1904	1968	2054	2165	2400	2466	2563
78mm	1791	1855	1897	2007	2074	2165	2282	2529	2600	2702
80mm									2666	2771
82mm	1883	1950	1995	2110	2180	2276	2399	2659	2733	2840
84mm	1929	1997	2044	2161	2234	2332	2457	2724	2800	2909
86mm	1975	2045	2093	2213	2287	2387	2516	2789	2866	2979
88mm	2021	2093	2141	2264	2340	2443	2574	2854	2933	3048
90mm	2067	2140	2239	2316	2393	2498	2633	2919		

FORMULA: BORE X BORE X STROKE X .0031416 = TOTAL CC

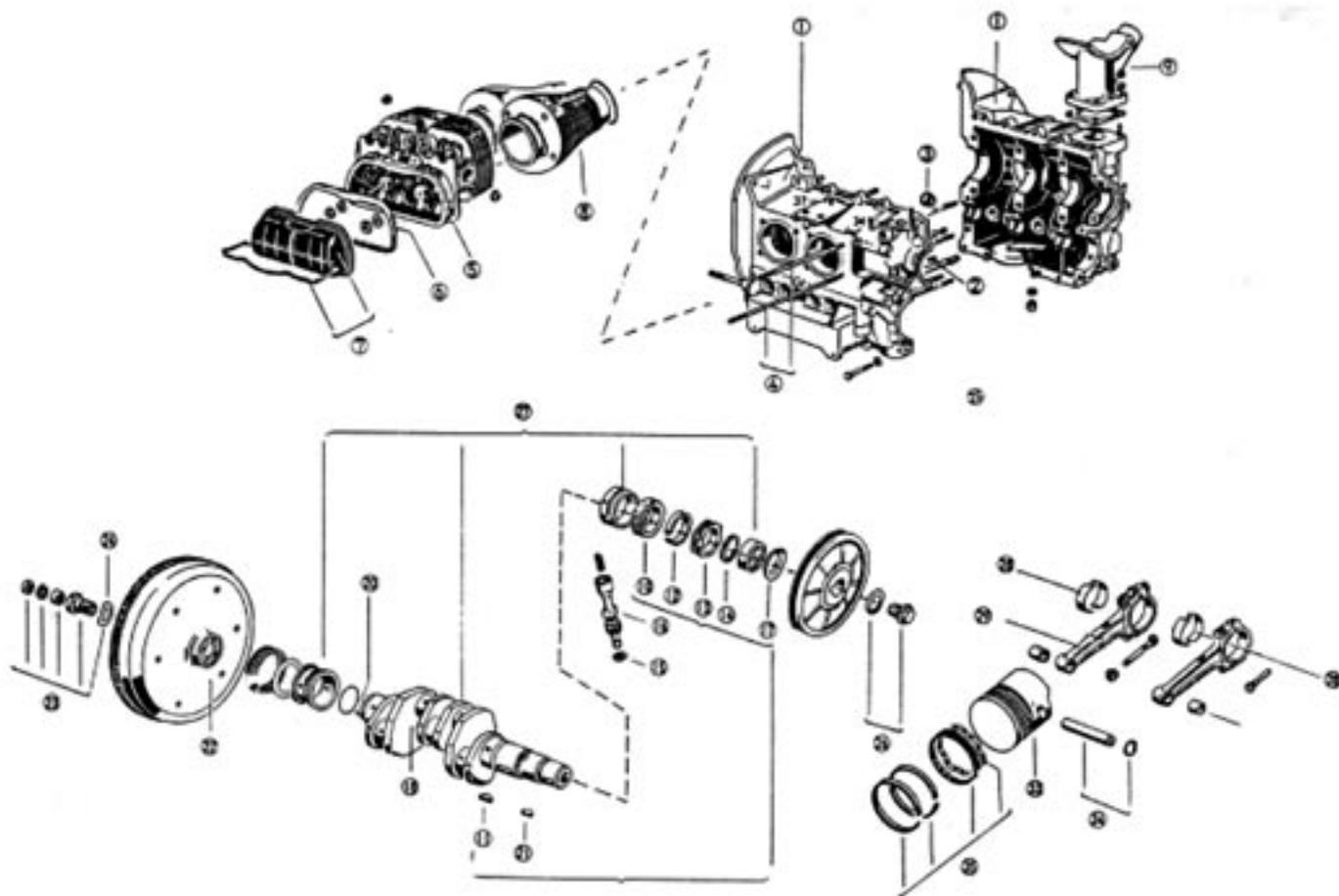
TORQUE SPECS

RECOMMENDED TORQUE SPECIFICATIONS FOR VW PERFORMANCE PRODUCTS

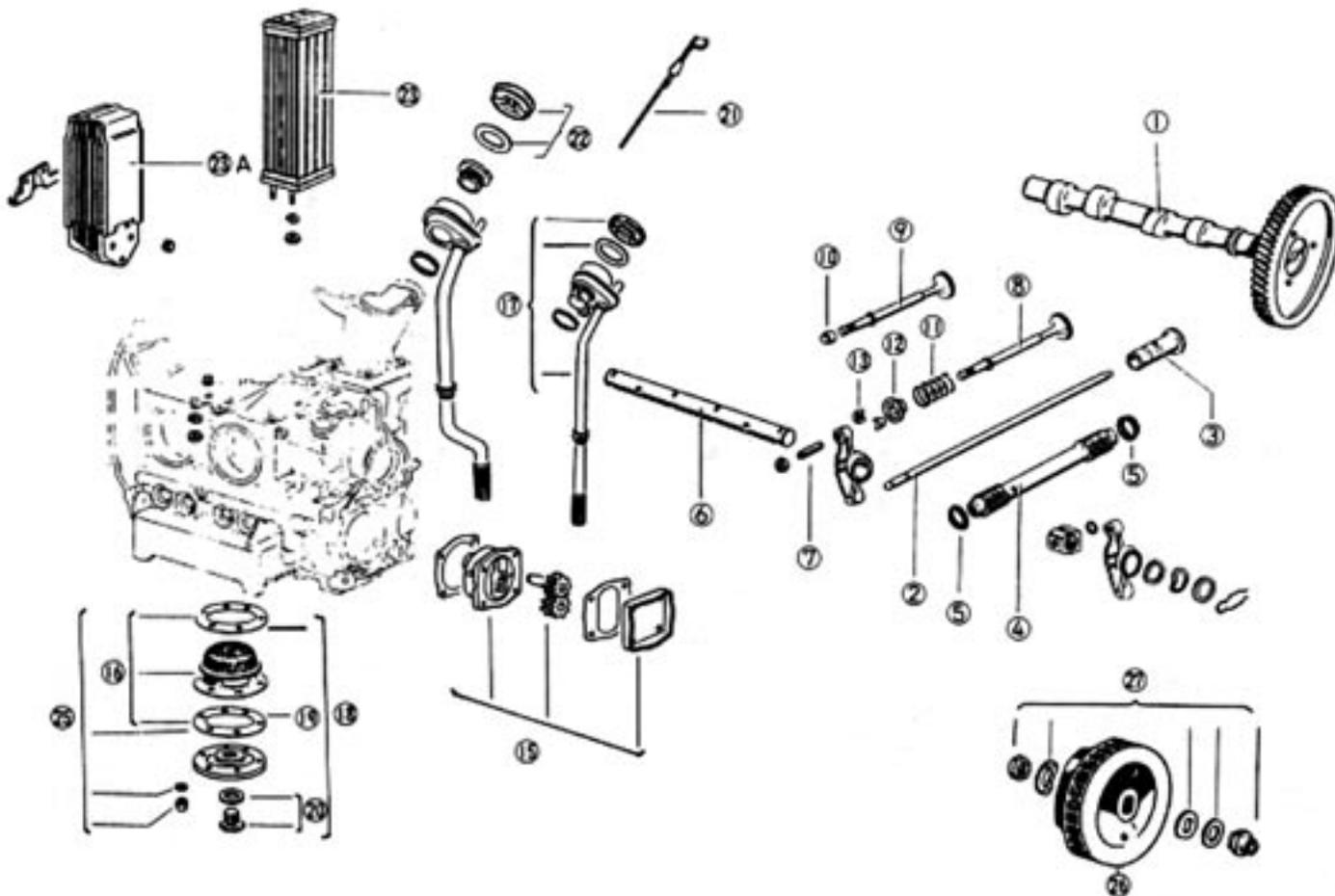
ITEM	FOOT POUNDS
<i>SCAT 7/16" diameter bolts for VOLKSTROKER II PRO-DRAG CRANK</i>	.82-85
<i>SCAT 4340 Chromoly Gland Nut</i>	.250
<i>SCAT 10mm Chromoly Cylinder Head Studs/Nuts</i>	.23-25
<i>SCAT 8mm Chromoly Cylinder Head Studs/Nuts</i>	.18-20
<i>SCAT KILLER™ Case Main Studs (6 each)</i>	.40
<i>SCAT KILLER™ Case all other 5/16" bolts</i>	.15
<i>SCAT SPLIT-PORT Cylinder Head 5/16" bolts</i>	.15
<i>SCAT Bolt-on Valve Cover Bolts</i>	.5-18
<i>VW Engine Case Main Studs (6 each)</i>	.25
<i>VW Engine Case small nuts</i>	.15
<i>Rocker Shaft Hold Down Nuts</i>	.15-18
<i>Cam Gear Bolts</i>	.18-20
<i>Drain Plate Nuts</i>	.5
<i>Drain Plug</i>	.25
<i>Pressure Plate Bolts</i>	.18
<i>Oil Pump Nuts (8mm)</i>	.5
<i>Crank Pulley Bolt</i>	.29-36
<i>Generator Pulley Nut</i>	.40-45
<i>Fan Nut (Large)</i>	.40-45



ENGINE PARTS GROUP 101 – 105



#	PART #	DESCRIPTION	PAGE	#	PART #	DESCRIPTION	PAGE
1	043101025	Engine case	12	17	113105241A	Oil Slinger	20
2	111101123	Crank Main Bearing Dowel Pin	14	18	#10 Series	C/W Crankshafts	20
3	113101157C	Camshaft Eng Plug 40HP-1600	14	19	10225	Rear Oil Seal 40HP-1600 Silicon	20
4	10172	8mm Engine Stud Kit, 16 pcs	14	20	10056	Crankshaft Dowel Pin 8mm	18
4	10170	8mm Chromoly DP Head Studs	14	21	113105249	Woodruff Key Crank Pulley	20
4	10171	10mm Chromoly DP Head Studs	14	22	60007	12V-200mm Light Steel Flywheel	22
5	040101355	D/P Cylinder Heads, #25 Series	36	23	60025	H/D Chromoly Gland Nut Assembly	22
6	80177	Valve cover Gasket, 10 pcs	37	24	60036	Heat Treat Gland Nut Washer	22
7	#80 Series	VW Valve Covers T1	37	25	10207	Crank Gear Assembly Kit	20
8	#15 Series	Piston/Cylinder Kits T1	26	26	80107	Chrome Crank Pulley Bolt/Washer	47
9	25062C	Alt/Generator Tower, Chrome	48	27	111198461	H/D Main Brng Set, 40HP-1600	20
10	113105209	Crank Timing Gear 40HP-1600	20	28	113105701	H/D Con Rod Brng Set, 40HP-1600	20
11	111105213	Woodruff Key, Timing Gear	20	29	311105401B	Connecting Rod	21
12	113105219	Timing Gear Spacer 40Hp-1600	20	29	ICR5394	Connecting Rod, VW Stroker	21
12	10234	Racer Spacer	20	29	#10 Series	4340 Chromoly SS Con Rods	21
13	111105223	Distributor Drive Gear	20	33	#15 Series	Forged Aluminum Racing Pistons	26
14	111105227	Crank Lock Ring 36HP-1600	20	34	#15 Series	Piston Pins/Teflon Pin Buttons	27
15	111105235A	Dist Drive Spacer Washer 0.6mm	20	35	#15 Series	P/R Set 85.5mm-94.0mm High-Perf	26
16	113105231B	Dist Drive Pinion 40HP-1600	20				



#	PART #	DESCRIPTION	PART	#	PART #	DESCRIPTION	PAGE
1	#20 Series	Camshafts High-Perf T1	28	13B	113109427C	Brng Support Rocker Shaft 13-1600	33
2	311109301A	Alum Pushrod 13-1600 Stock	30	14	111198541	H/D Cam Bearing T1	29
2	#20 Series	High-Perf Pushrods	30	14	111198541H	H/D Cam Bearing Double Thrust	29
3	20018	High-Perf Valve Lifter	30	15	#50 Series	H/D Oil Pumps	13
4	311109335C	Pushrod Tube 13-1600 Coat	31	16	51001	Oil Strainer & Gasket Kit	13
4	#20 Series	Performance Pushrod Tubes	31	17	50122	Chrome Oil Filler/Breather Tube	50
5	043109345A	Pushrod Tube End Seal, 100 pcs	31	17A	50122-1	Chrome Oil Filler W/O Tube	50
6	20129	H.D. Bolt-On Rocker Shaft Assy	33	18	113115181	Oil Sump Strainer, CVr, Gskt Kit	13
7	20118	H/D Swivel Base Adj Screws	33	19	113115189A	Oil Sump Drain Cover Gaskets	13
8	311109601	35.6mm Intake Valve - Stock	36	20	50118	Magnetic Oil Drain Plug W/Gasket	13
8	#25 Series	S/S Intake Valve T1	32	20A	50126	Chrome Drain Cover W/Plug	13
9	113109612A	32.0mm Exhaust Valve - Stock	36	21	50117	Chrome Dipstick, Std & Extra Long	50
9	#25 Series	S/S Exhaust Valve T1	32	22	50123	Replacement Chrome Filler Cap	50
10	25047	H/D Valve Lash Caps	32	23	111117021E	Oil Cooler	49
11	20011	Valve Springs - Stock	29	23A	113117021B	Oil Cooler, Doghouse Style	49
11	20085	Valve Springs - High-Perf	29	24	50067	Oil Cooler Seal, 10/10mm, 10 Pack	49
12	20137	Valve Spring Retainer - Stock	29	25	113198031A	Oil Sump Gasket Set - Complete	13
12	#20 Series	Valve Spring Retainer - High-Perf	29	26	113119031B	Cooling Fan 1600 Doghouse Style	49
13	20092	H/D Valve Keepers	31	27	25079	Fan Mounting Hardware Kit	49
13A	#20 Series	High-Lift Rocker Arm & Assemblies	33				



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Our Commitment to Excellence has Resulted in a Long List of Awards and Accomplishments

- 1964** One of the original members of SEMA
- 1965** Published first SCAT VW Catalog
- 1966** First in US VW industry to introduce VW C/W crankshafts made from both forging and castings.
- 1975** Winner of National Silver Award for Packaging Excellence.
- 1975** Introduced first American made performance VW engine case for USAC Midget Racing, Drag Racing and Offroad Racing.
- 1976** SEMA runner-up for Best New Packaging.
- 1979** SEMA runner-up for Best New Engineered Product, with it's water cooled boxer engine.
- 1980** First custom VW seat interior package with introduction of PROCAR by SCAT.
- 1981** SCAT installed the first computerized GFM Crankshaft Milling Machine.
- 1984** Introduced patented Dragfast Dual T Shifter.
- 1990** SEMA runner-up for Best New Engineered Product for our V4 Engine for Midget and Offroad racing.
- 1998** Winner-Indy 500.
- 2002** Damon Harmon Champion - PRA California & Texas Pro Stock Series.
- 2004** Damon Harmon Champion - TxPRA & NHRA Pro Stock Nationals (*Record Time at 9.76 Seconds*).

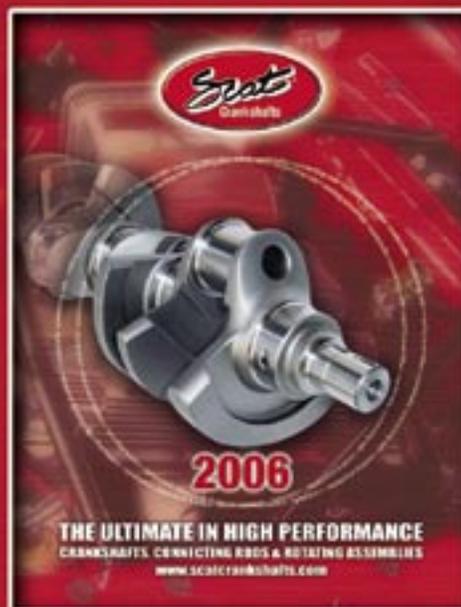
8 Time Winner - Baja 500.
4 Time Winner - World of Outlaws.
3 Time Winner - Daytona 500.
And the list goes on.



HISTORY



Scat



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