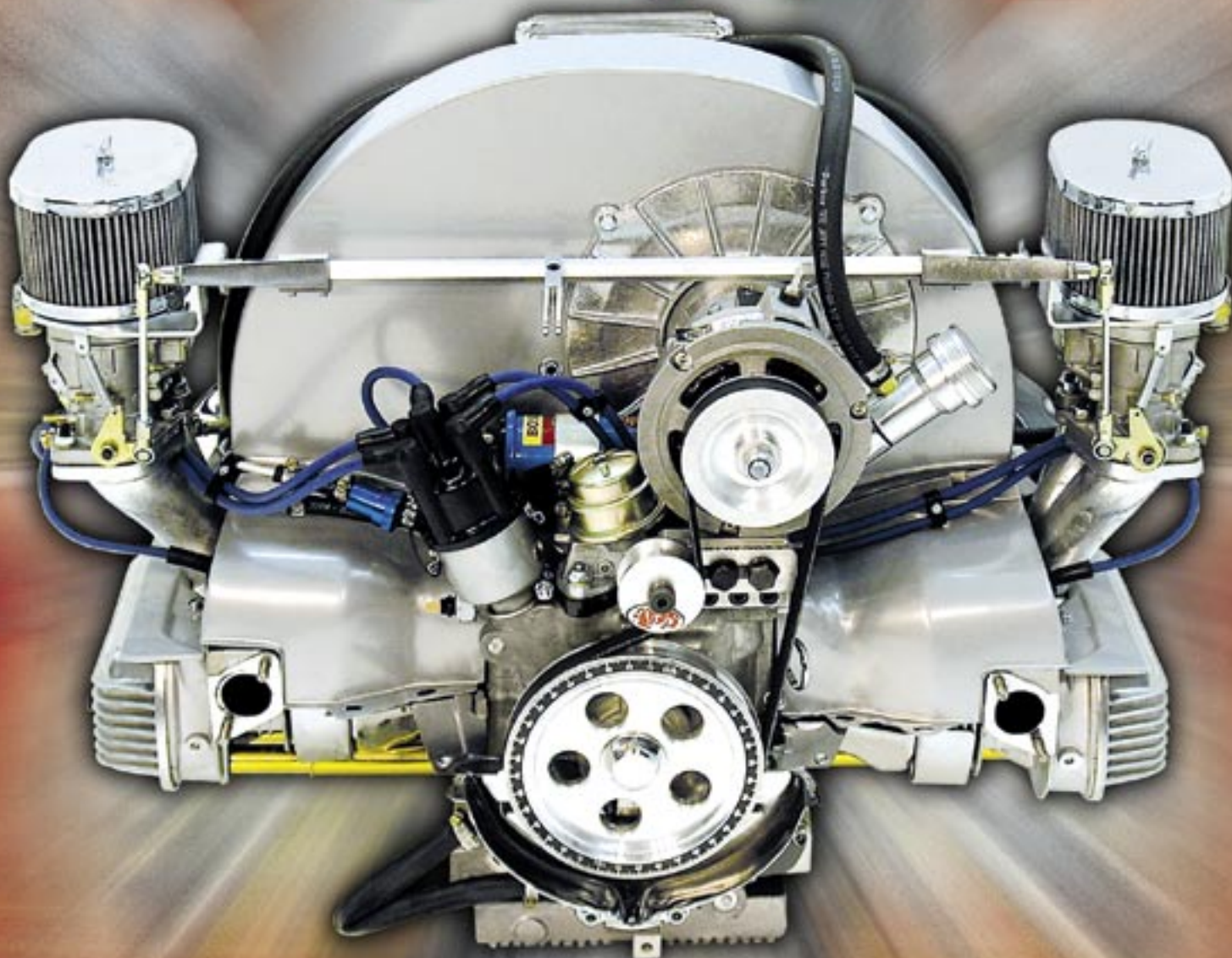


# Seat



# 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

Chromoly Billet  
Crankshafts  
Page 18

High Performance Distributor,  
Coil & Alternator  
Page 54

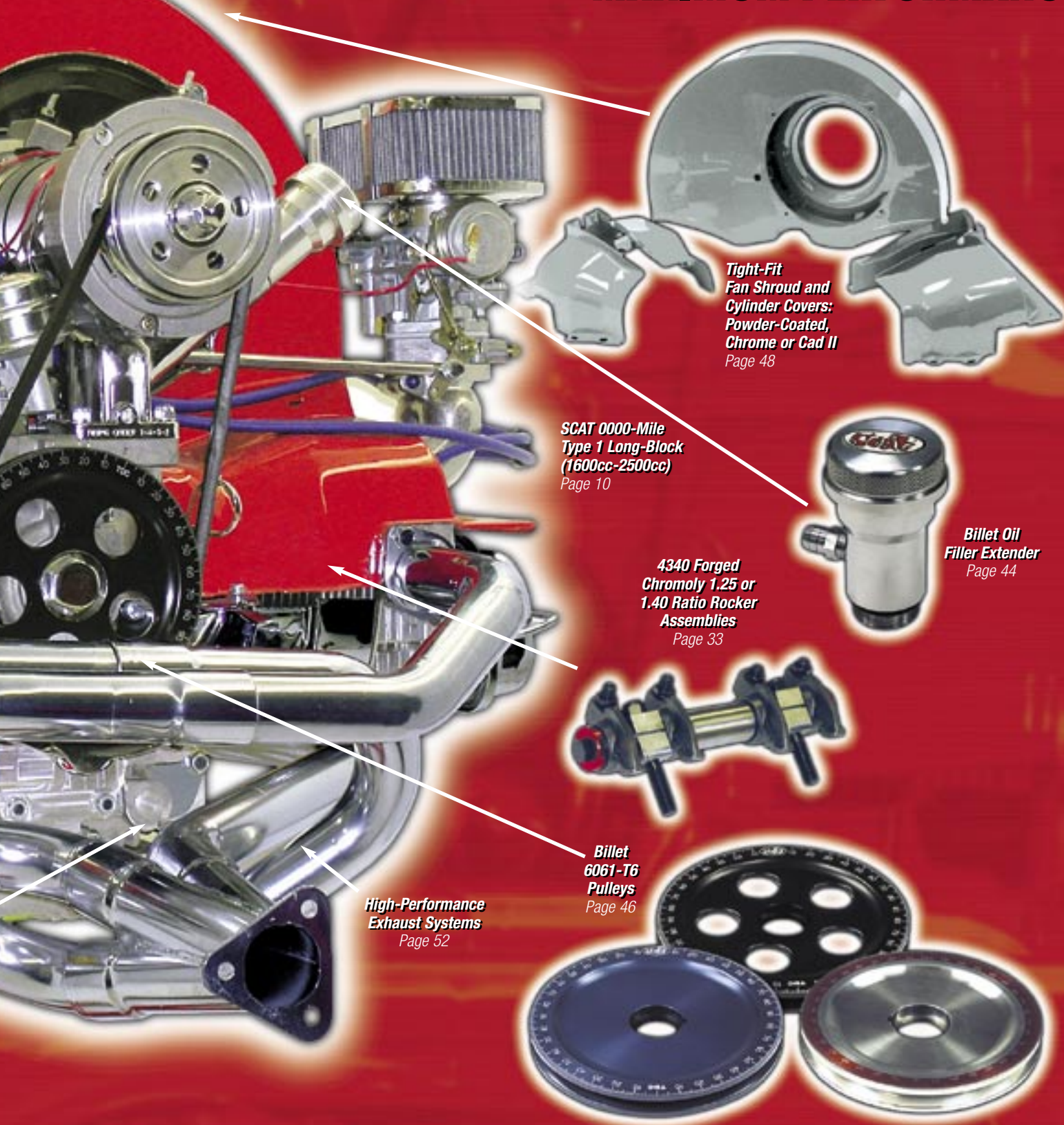
High-  
Performance  
Lifters  
Page 30

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.*

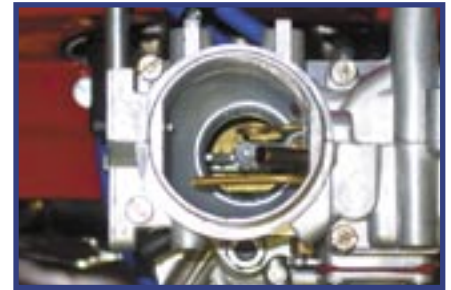
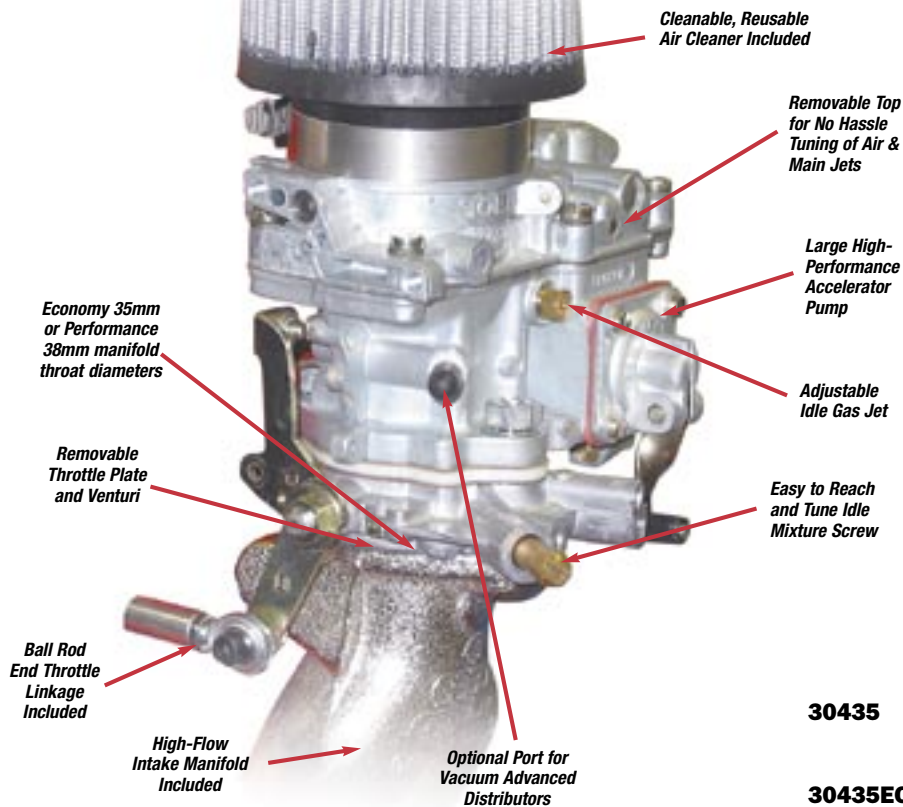
*This is possible because of the significant time and effort we spend sourcing our parts from only the most reliable suppliers worldwide. Together with our significant manufacturing capability, we continue to expand and improve to keep us at the forefront of our industry.*

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





## 2006 NEW PRODUCTS



### 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-TROWER® 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:

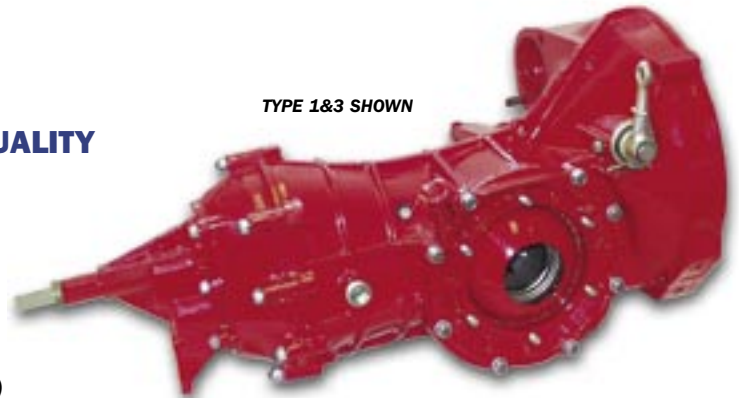
- D180810** Billet Distributor, Volkswagen, Ignitor II, non-vac, black cap  
**D180813** Billet Distributor, Volkswagen, Ignitor II, non-vac, gray cap  
**D186810** Billet Distributor, Volkswagen, Ignitor, non-vac, black cap  
**D186813** Billet Distributor, Volkswagen, Ignitor, non-vac, gray cap

## 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

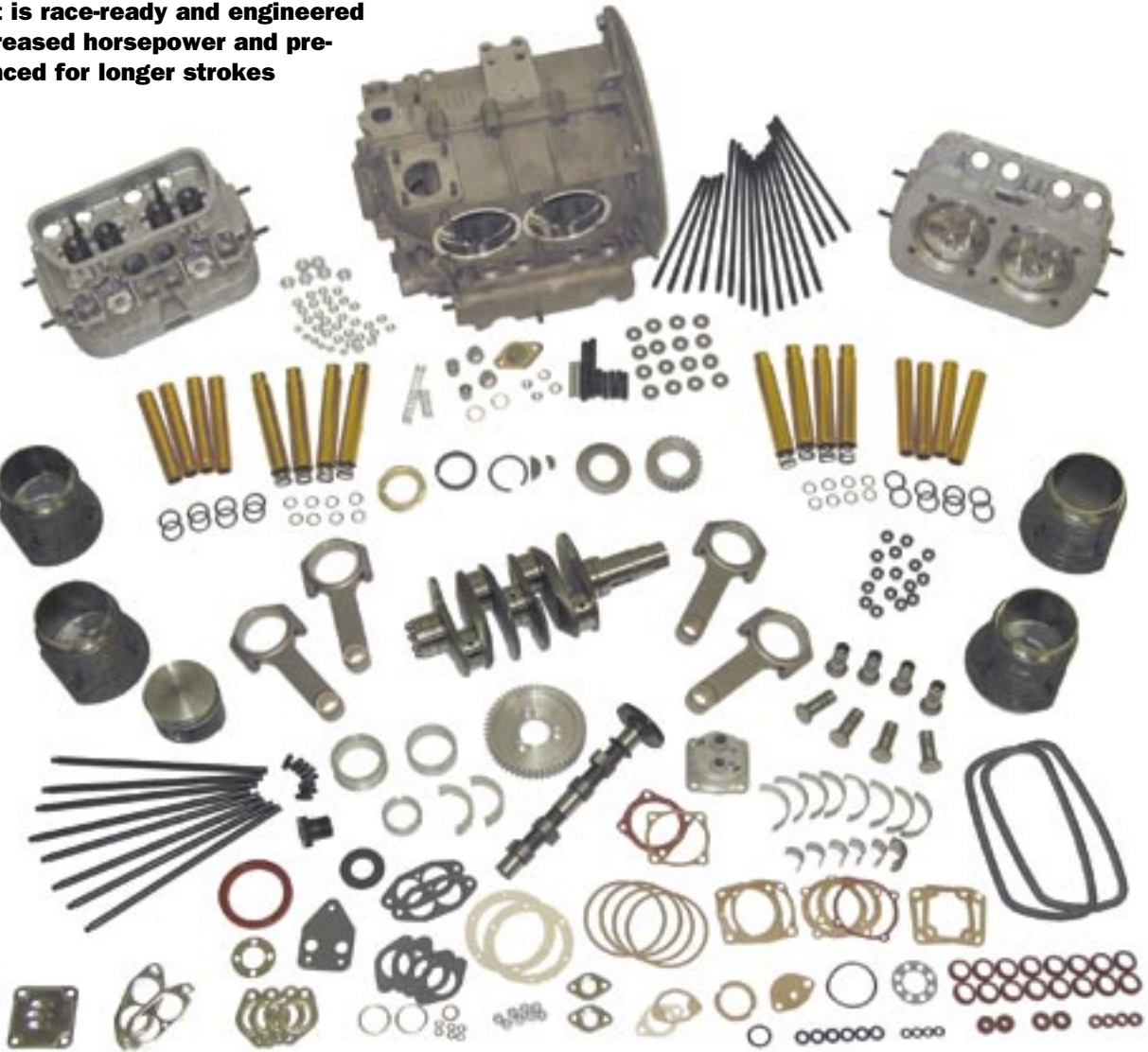
- Includes all of the standard featured items listed, plus:
- **NEW** SCAT Volksrcacer 4340 chromoly forged billet crankshaft – Page 18
- **NEW** SCAT forged I-Beam connecting rods – Page 21
- **NEW** Stroker cylinder spacers, if necessary – Page 27

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-clearanced for longer strokes



**Includes all of the standard featured items listed, plus:**

- **NEW** Nitrided Volkswracer 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

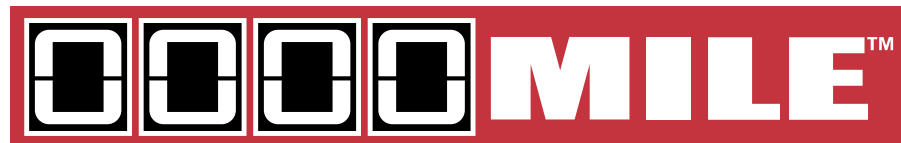
**111198007 = 1300-1600 Single & Dual-Port**

**10237 = Performance Gasket Set 13-1600 Dual-Port Includes Special Intake Gaskets, 8 Dowel Crankshaft Gasket, Copper Exhaust Nuts**





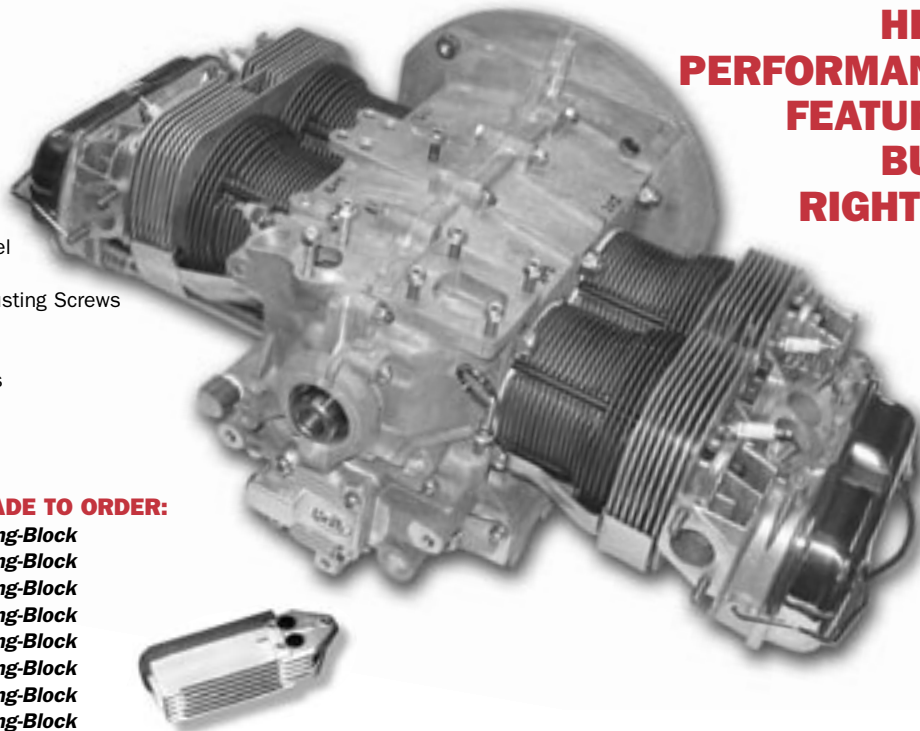
## SCAT'S HIGH-PERFORMANCE ALTERNATIVE TO O.E. LONG-BLOCKS



### TYPE 1 LONG-BLOCK

#### 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



**HIGH-PERFORMANCE FEATURES BUILT RIGHT IN!**

#### 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

## 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 galleries 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**





# ENGINE CASE & ACCESSORIES



## 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

- 043101025 = 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

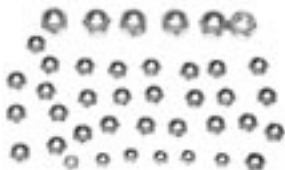
- For VW Type 1-3 engine cases - 40-Piece Kit – enough for one complete engine
- NYLOCK NUTS resist vibrations keeping engine tightly sealed

- 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**





## SPECIAL TOOLS SERIES 98



### 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

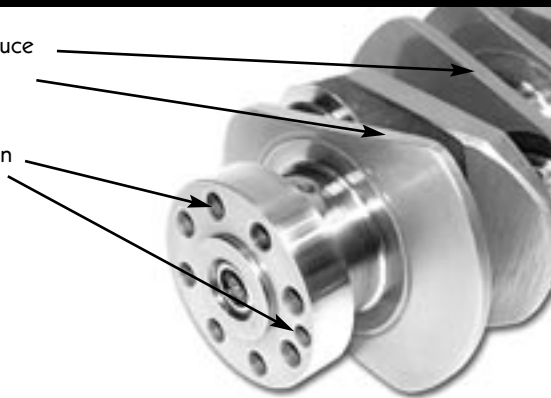
### SCAT'S NEW AND IMPROVED LINE OF FLANGE CRANKS

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



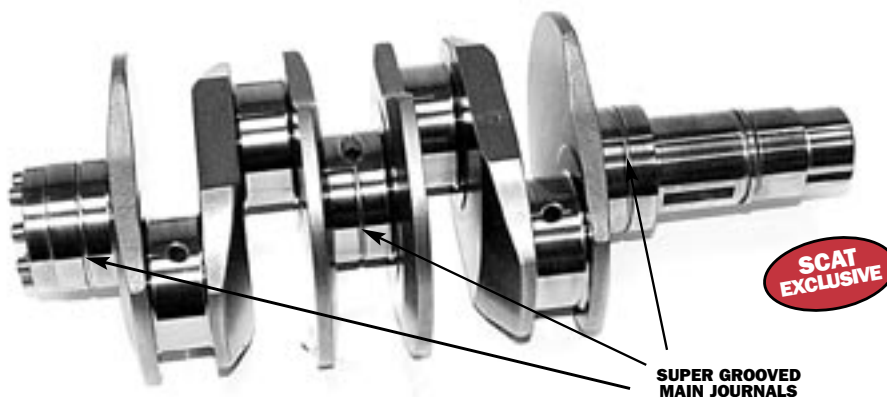
### SCAT'S PRO-COMP LIGHTWEIGHT DOWEL PIN CRANKS

### 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 "wanna-be" 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.**

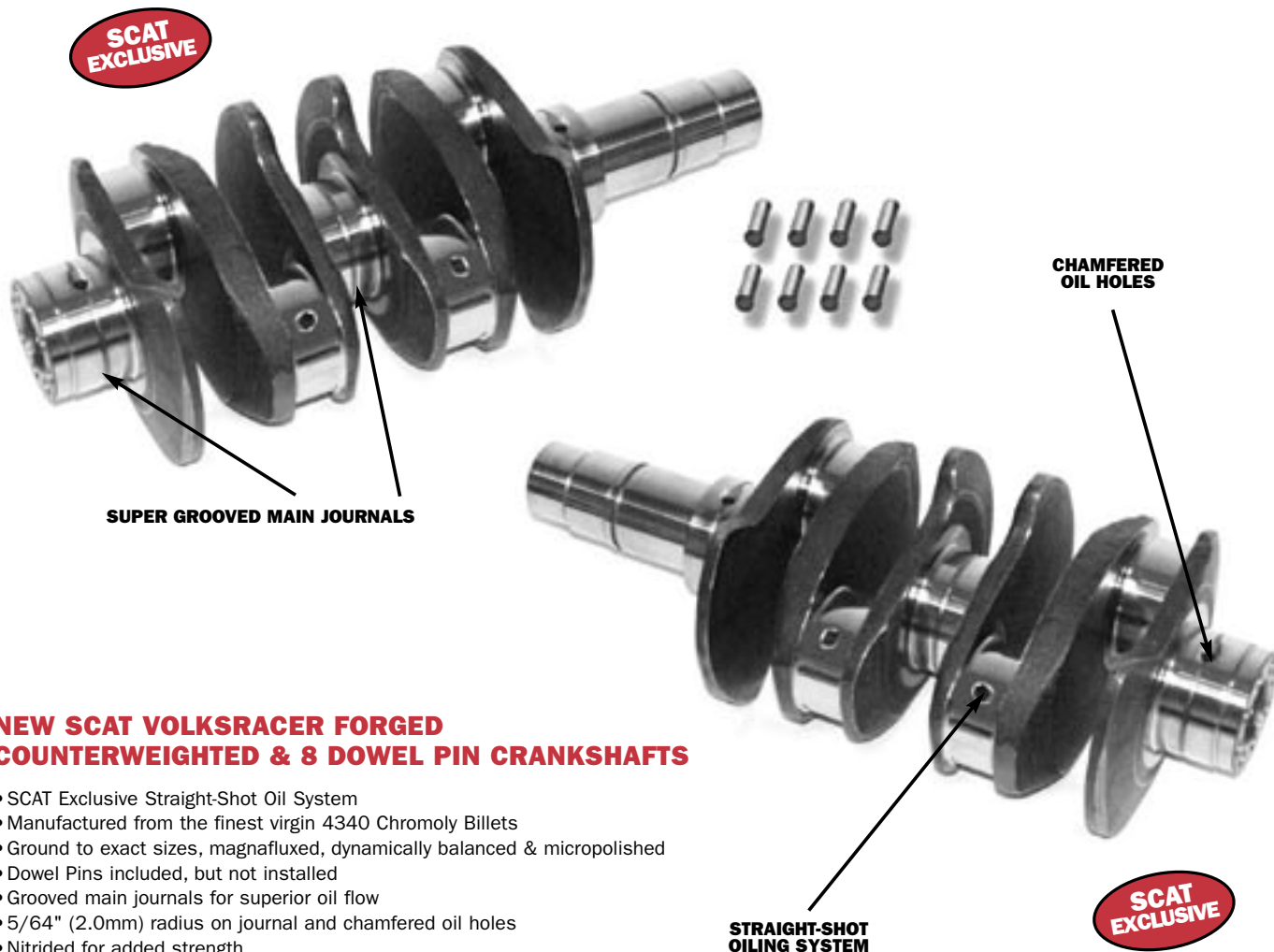
**SCAT stocks the following models, but others are available as well – please call our knowledgeable sales staff and let them help you with all of your dowel pin **LIGHTWEIGHT** crankshaft needs.**

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**

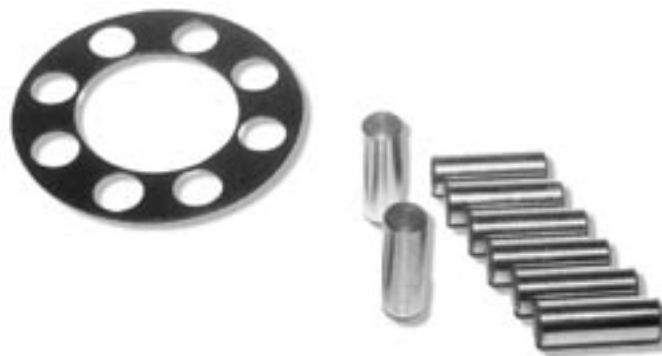
### CHROME VANADIUM CRANKSHAFT DOWEL PINS

- 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

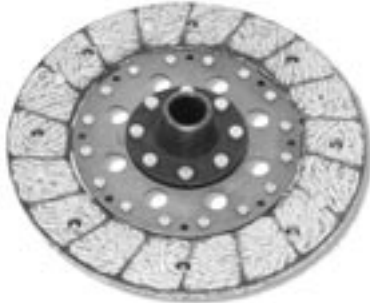
- Drilled for SPG offset pattern 8 dowel pins
- 130 tooth (12-Volt) ring gear is hobbled directly from forging and is induction hardened
- Clutch face is precision ground to insure quick, smooth clutch action
- Fits all SCAT VOLKSTROKER Crankshafts and 8 Dowel Pin Type 1-3 Cranks
- Increased engine life 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>
<b>60046</b>	<b>200mm</b>



### 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	
		2.000"	1.968"
		51mm	50mm
		CHEVY	TYPE 4
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 galleries 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**

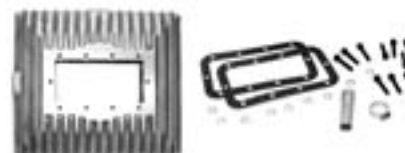
**50024 = 1-1/2 QUART PORSCHE 912, 356 FINNED OIL SUMP**

**60912 = SCAT 4340 Chromoly Porsche Gland Nut & Washer**

Note – Custom strokes available upon request.

### ROD BEARINGS

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





# 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

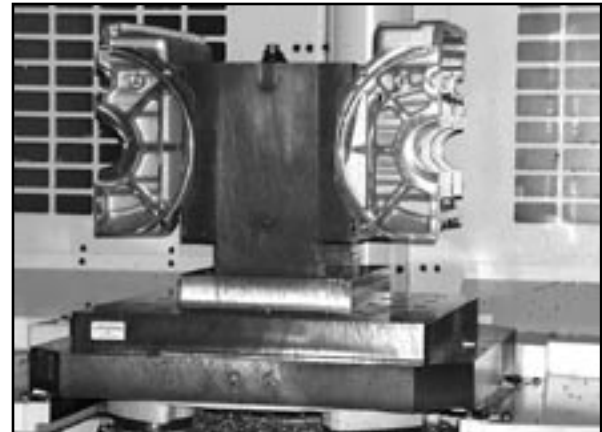
- For proper deck height and compression ratios
- Eliminates machining heads, pistons or cylinders
- 4-piece set

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

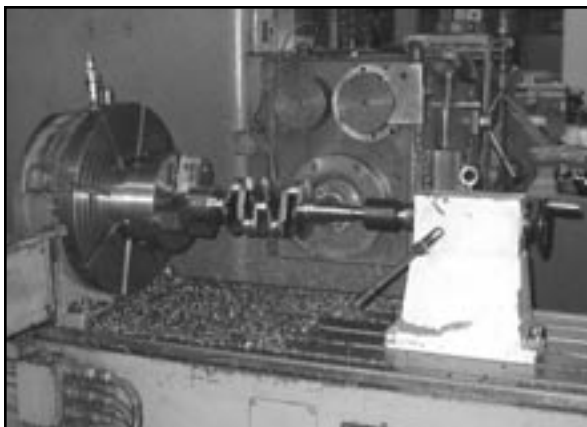
## THE SCAT MINI TOUR



*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
<b>STOCKER PLUS = 1600 - 1776cc LOW- TO MID-RANGE POWER &amp; IDEAL WITH 1.40:1 ROCKER ARM (1000 - 5000)</b>							
20004	C25	.332"	.365"	.415"	272	234	W-100
<b>HILL CLIMBER = 1600 - 1776cc LOW-END TORQUE FOR HEAVY BUSES OR OFF-ROAD BUGGY (1000 - 5000)</b>							
20005	C35	.381"	.419"	.476"	285	246	W-110
<b>BUG MASTER = 1776 - 2027cc HOTTEST ALL-AROUND POWER FOR STREET OR OFF-ROAD (1500 - 5500)</b>							
20006	C45	.390"	.429"	.488"	298	262	W-125
<b>STREET RACER = 1915 - 2275cc PERFECT FOR STREET / STRIP / OFF-ROAD (4000 - 6500) DUAL SPRINGS ONLY</b>							

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
<b>STREET RACER = 1915 - 2275cc PERFECT FOR STREET / STRIP / OFF-ROAD (4000 - 6500) DUAL SPRINGS ONLY</b>							
20121C	C95	.416"	.520"	.582"	294	262	FK-8
<b>PRO COMP 1 = 2027 - 2332cc WIDE POWER BAND &amp; EXCELLENT ACCELERATION (3500 - 6500) DUAL SPRINGS</b>							
20007C	C55	.410"	.513"	.574"	310	271	FK-10
<b>PRO COMP 2 = 2027 - 2332cc SUPERIOR POWER BETWEEN MID- TO HIGH-RPM (4500 - 7000) DUAL SPRINGS</b>							
20008C	C65	.413"	.516"	.578"	309	274	W-140
<b>PRO TRACK = 2110 - 2332cc EXCELLENT FOR HEAVY CARS RUNNING HIGH-RPMs (4500 - 7000) DUAL SPRINGS</b>							

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
<b>SUPER STREET = 2110 - 2500cc DESIGNED FOR HEAVY DRAG CARS AND LARGE TIRES (5000 - 8000)</b>							
20095C	C85	.409"	.573"	.614"	324	287	FK-89
<b>PRO STOCK = 2275 - 2700cc GREAT FOR LIGHT DRAG CARS WITH LARGE TIRES (5500 - 8500)</b>							
20009C	C75	.425"	.595"	.638"	322	294	FK-98
<b>PRO MOD = 2275cc - 2900cc MORE LIFT AND DURATION TO MAKE BIG POWER (5500 - 9000)</b>							

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-DAG 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



ANOTHER INNOVATION  
BY SCAT

.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)**



SCAT  
EXCLUSIVE



## 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**



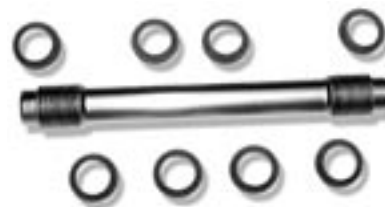
## STOCK REPLACEMENT METAL PUSHROD TUBES

- 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**

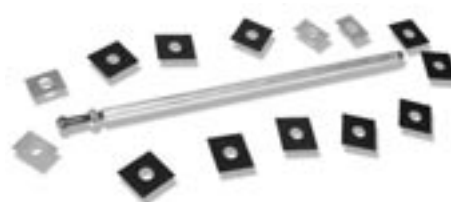


## SCAT ROCKER ARM GEOMETRY KIT/PUSHROD MEASURING TOOL

- 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)**







## 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

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



## 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
<b>25006</b>	<b>40.0mm</b>	<b>Intake</b>	<b>1.637"/41.50mm</b>	<b>1.430"/36.25mm</b>	<b>.350"/9mm</b>
<b>25017</b>	<b>35.5mm</b>	<b>Exhaust</b>	<b>1.483"/37.75mm</b>	<b>1.265"/32.25mm</b>	<b>.350"/9mm</b>
<b>25021</b>	<b>33.0mm</b>	<b>Exhaust</b>	<b>1.364"/34.75mm</b>	<b>1.125"/28.50mm</b>	<b>.350"/9mm</b>
<b>25033</b>	<b>42/44mm</b>	<b>Intake</b>	<b>1.771"/45.00mm</b>	<b>1.535"/39.00mm</b>	<b>.350"/9mm</b>
<b>25034</b>	<b>37.0mm</b>	<b>Exhaust</b>	<b>1.525"/38.74mm</b>	<b>1.315"/33.40mm</b>	<b>.350"/9mm</b>
<b>25110</b>	<b>38mm</b>	<b>Exhaust</b>	<b>1.630"/41.40mm</b>	<b>1.380"/35.05mm</b>	<b>.350"/9mm</b>
<b>25109</b>	<b>48/50mm</b>	<b>Intake</b>	<b>2.012"/51.10mm</b>	<b>1.720"/43.69mm</b>	<b>.350"/9mm</b>



## 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

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

### TYPE 4 GUIDES

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



## 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

<b>25924 = 92mm x .040"</b>	<b>25926 = 92mm x .060"</b>
<b>25944 = 94mm x .040"</b>	<b>25946 = 94mm x .060"</b>

## 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 1 BASIC KITS

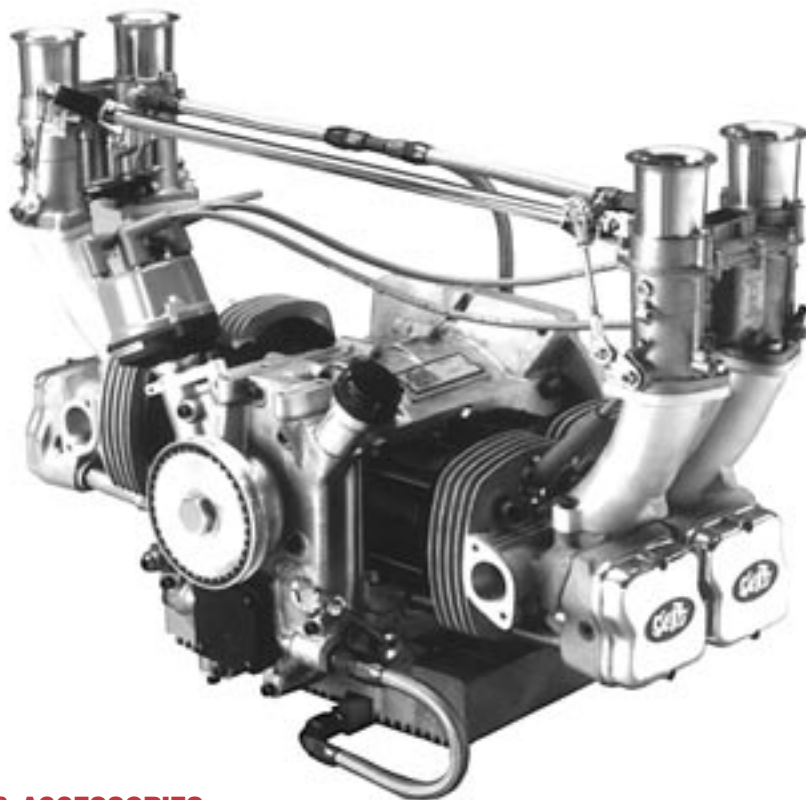
PART NO.	BORE	INTAKE	EXHAUST
25100 =	92.0mm	44mm	37mm
25102 =	94.0mm	48mm	38mm
25101 =	96.5mm	48mm	38mm
25118 =	101.6mm	50mm	40mm

## TYPE 4 BASIC KITS

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



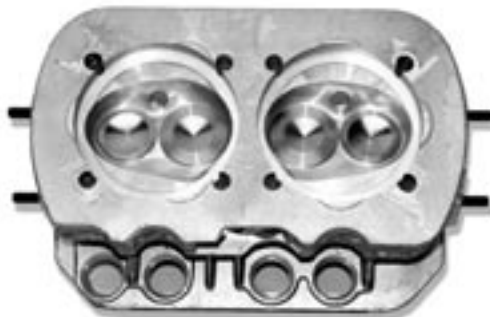


## SCAT PRO-PORT TYPE 1 CYLINDER HEADS ARE ASSEMBLED WITH 35 YEARS OF EXPERIENCE AND HI-REV™ COMPONENTS

### 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

**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



25035

## 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 Kits

**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

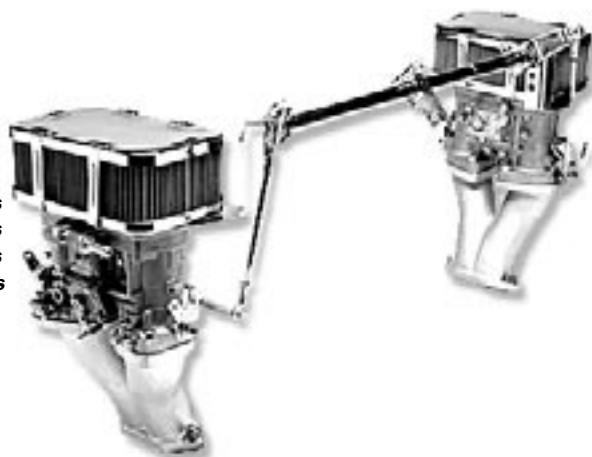
**30217** = 40 IDF Carb Kit - TYPE 1

**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





## WEBER PERFORMANCE CARBURETOR KITS SERIES 30



### 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, TALL 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

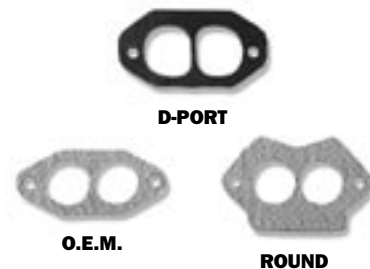
**30038 = Dual-Port Standard**

**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

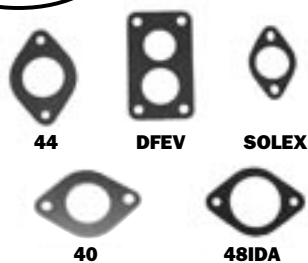
**30091 = Pair – Dual-Port End Castings**

**30140 = Replacement Mounting Kit**





# CARBURETOR FUEL PUMP SERIES 35



## CARBURETOR BASE GASKETS – 10-PIECE PACKS

- Top-quality replacement gaskets and Precision die-cut to match carb base
- Seals against all leaks

**35068 = Weber Progressive DFEV**

**35035 = Weber 48 IDA, DCOE**

**35144 = Weber 40 IDF / Dellorto 36/40/45 DRLA**

**35145 = Weber 44 IDF**

**35146 = Weber 48 IDF/Dellorto 45 DRLA**

## ELECTRIC FUEL PUMP KIT

- Solid state – 12-Volt, lightweight & compact is design
- Rated to pump 30 gallons per hour at 3 lbs. of pressure
- Pump must be used with a fuel pressure regulator
- Aluminum fuel pump mount covers stock pump location

**35187 = Electric Fuel Pump Kit – Includes fittings, clamps and gaskets**

**35188 = Aluminum Fuel Pump Mount**

## FUEL PUMP BLOCK OFF PLATE

- For all VW Type 1-3 cases
- Cast aluminum plate replaces stock fuel pump when using an electric or cam-driven fuel pump
- Includes provision for additional crankcase breather – tapped 1/3 NPT
- Mounts to case using stock length studs – mounting gasket included

**10182 = Fuel Pump Block Off Plate**

## BILLET 6061 ANODIZED 5/16" FUEL FILTERS

- Washable filter element
- 2-piece design for easy cleaning, maximum flow and strength
- Available colors: Blue, Red and Aluminum

**35184B = Blue Fuel Filter**

**35184R = Red Fuel Filter**

**35184A = Aluminum Fuel Filter**

**35185 = Filter Element**

## ADJUSTABLE FUEL PRESSURE REGULATOR KIT

- Designed to insure a precise and constant flow of fuel
- 5 position pressure selector
- Kit includes Pressure Regulator, Chrome Mounting Bracket, 1/4" I.D. Hose Fittings & Clamps

**35149 = Adjustable Fuel Pressure Regulator Kit**

## WASHABLE UNIVERSAL SEE-THRU FUEL FILTERS

- Replaceable Micron Filter Element Traps Solids and Water Particles
- Chrome 1/4" Hex Head Fittings

**35183 = See-Thru Fuel Filter**

**35200 = See-Thru Fuel Filter Kit – Includes hose & clamps**

## NEW 34 PICT VW SOLEX CARBURETOR & ALUMINUM TYPE I MANIFOLD

- Carburetor Fit Stock VW 1500 – 1600cc '71 & later intake manifolds
- 34 PICT-3 Solex – 12-Volt Electric Choke – Double Arm
- Type 1 PICT Solex Aluminum "T" Manifold includes Heat Riser Tubes and Hardware

**35214 = New Solex 34 PICT-3 Carburetor W/Electric Choke**

**30244 = New 30-34 PICT Solex Manifold with Heat Riser Tubes and Hardware**

## CARBURETOR REBUILT KITS

- Complete kits includes all required gaskets, o-rings, needle & seat
- Includes illustrated instructions

**31038 = '60-73, VW Carbs 28PICT, 28PICT-1, 30PICT-1, 30PICT-2, 30PICT-3, 34PICT-3**

**31042 = Weber DFEV/DFAV Progressive 2-Barrel Carburetors**

**31037 = '64-67, VW Carb – Type 3**

**35113 = Weber ICT Rebuild Kit**

**35114 = Weber IDF Rebuild 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

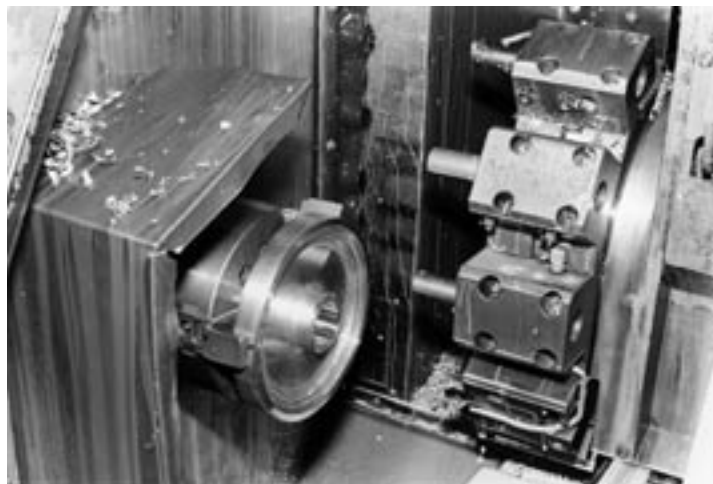
50066 = Dial-In Oil Pressure Booster Kit

### 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



**VITON SEAL**



**COLLAR**

**SCAT  
EXCLUSIVE**

## 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



**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**

**Black**

**Blue**

**Red**

**Solid**

**80092**

**80092B**

**80092R**

**5-Eye**

**80091**

**80091B**

**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

<i><b>Solid</b></i>	<i><b>Color</b></i>	<i><b>Santana</b></i>
<b>80346E</b>	<b>Black</b>	<b>80227E</b>
<b>80346BE</b>	<b>Blue</b>	<b>80227BE</b>
<b>80346RE</b>	<b>Red</b>	<b>80227RE</b>
<b>80346SE</b>	<b>Satin</b>	<b>80227SE</b>



## 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

	<u>Chrome</u>	<u>Paintable</u>
<b>Kit w/o Ducts</b>	<b>25138C</b>	<b>25138</b>
<b>Kit w/Air Ducts</b>	<b>25139C</b>	<b>25139</b>



## DOGHOUSE FAN SHROUD & COMPONENT

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

## 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

<b>50106</b>	<b>Doghouse Oil Cooler Adapter</b>
<b>113117021B</b>	<b>Oil Cooler</b>
<b>113119031B</b>	<b>Late-Model "Wide" Cooling Fan</b>
<b>25073, Kit</b>	<b>Doghouse Cooling Fan &amp; Mounting Hardware</b>
<b>25079, Set</b>	<b>Cooling Fan Mounting Hardware</b>



## 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>
<b>Kit w/o Air Ducts</b>	<b>25140C</b>	<b>25140</b>
<b>Kit w/Air Ducts</b>	<b>25141C</b>	<b>25141</b>



## 36HP STYLE FAN SHROUDS & COMPONENTS

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



## 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

	<u>Cal-Look w/o Hole</u>	<u>Stock w/Hole</u>
<b>Chrome</b>	<b>25097C-1</b>	<b>25097C</b>
<b>CAD II</b>	<b>25097-1</b>	<b>25097</b>



### 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

	<u>Cal-Look w/o Hole</u>	<u>Custom w/Holes</u>
<b>Chrome</b>	<b>25094C</b>	<b>25095C</b>
<b>CAD II</b>	<b>25094</b>	<b>25095</b>



### 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 Header Only	Chrome Header Only	Muffler Only Painted	Chrome	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

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

## 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 CHANGE OVER 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	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**

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

*\*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**



RESISTER

### 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!

### 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		Keyed 61-67		Splined 68-71
3rd Gears	Ratio	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

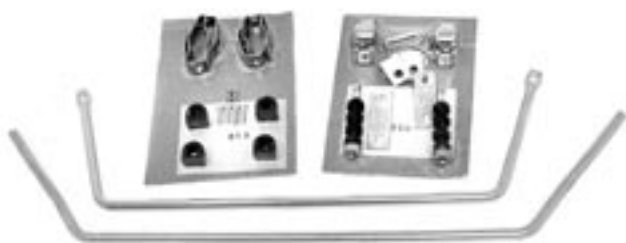
**70040 = Select-A-Drop**



### 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<sup>®</sup> DUAL-T<sup>™</sup> 4-SPEED CHROME SHIFTERS

- The Original Dual-T<sup>™</sup> 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**

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## 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-slip 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

AVAILABLE ON RAVE & XTREME ONLY

**NO ASSEMBLY REQUIRED**





## Rally Series 1000

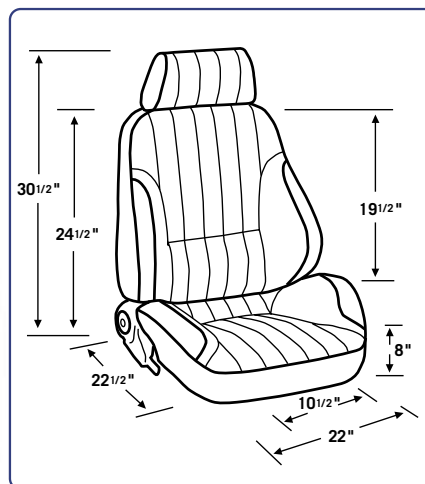
Equally at home in either a muscle car, pony car, Jeep® or off-road buggy, the Rally features vertical stitching for the vintage look with a pronounced side bolstering for added support under hard cornering.



Black Vinyl



Grey Velour



DIMENSIONS



Black Vinyl

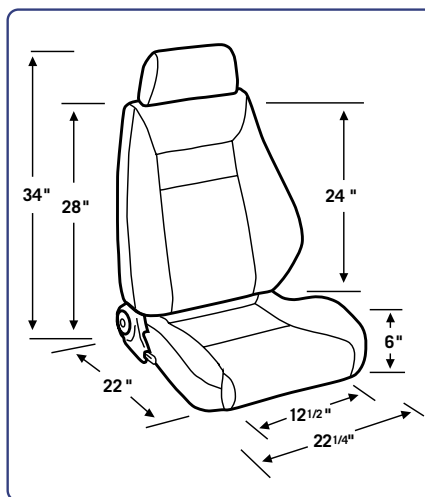


Grey Velour

## 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.

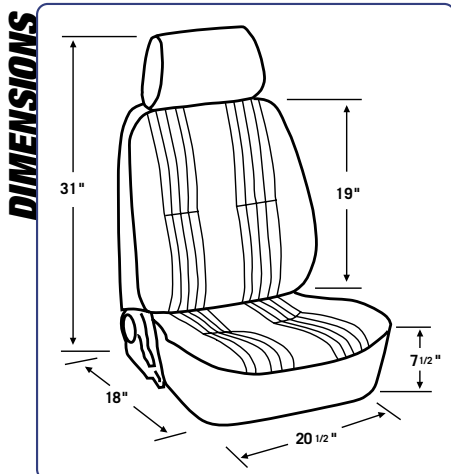


DIMENSIONS

## 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*

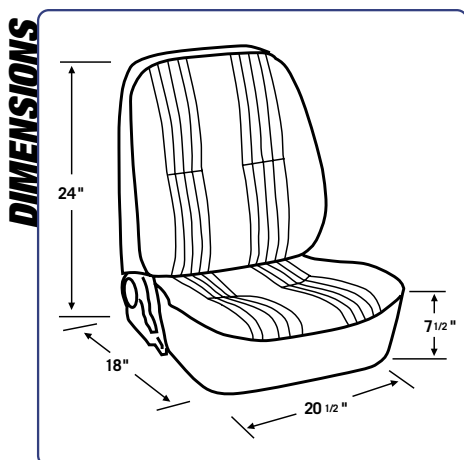


*Grey  
Vinyl*

## 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*



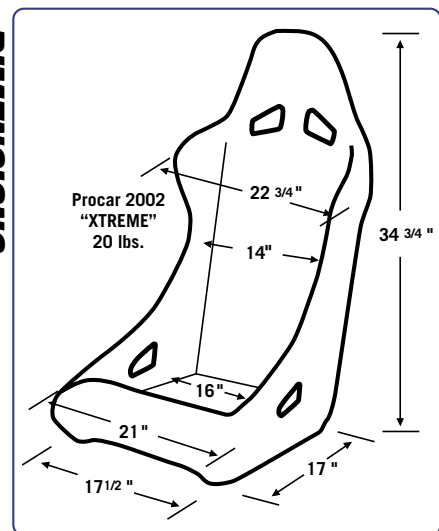
Red  
Velour

## 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



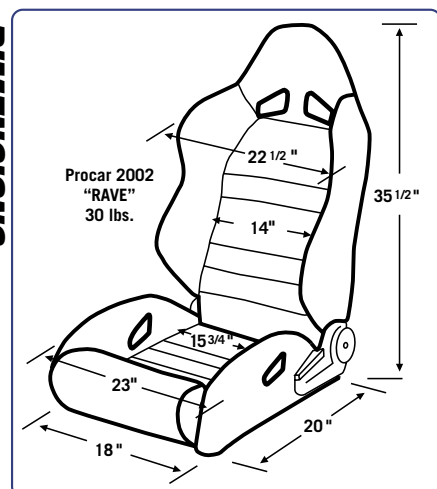
Yellow  
Velour

## 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

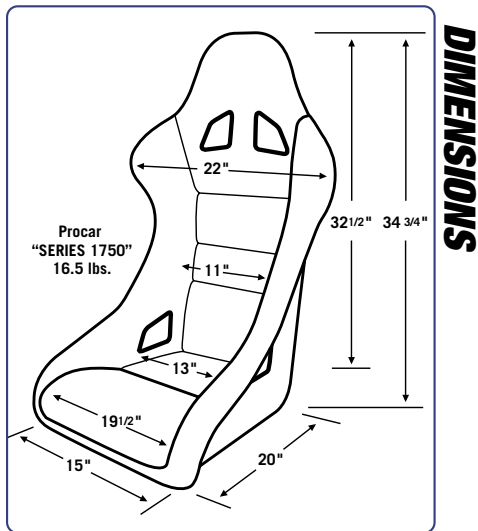




# F-Series & C-Series

## 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.

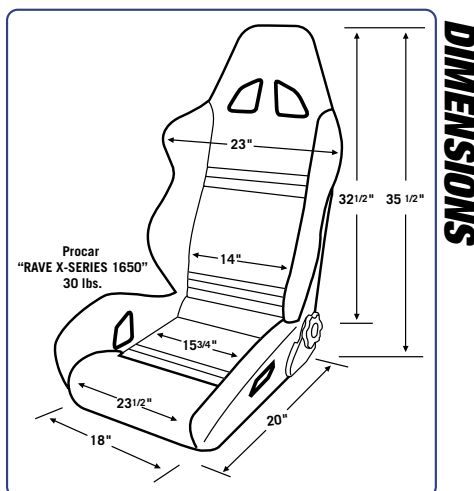


**DIMENSIONS**

## 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

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



## 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

	<b>Rally</b>	<b>Elite</b>
<b>Sedan</b>	<b>80-3000</b>	<b>80-3500</b>
<b>Convertible</b>	<b>80-3100</b>	<b>80-3600</b>
<b>Karma Ghia</b>	<b>80-3200</b>	<b>80-3700</b>



## 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

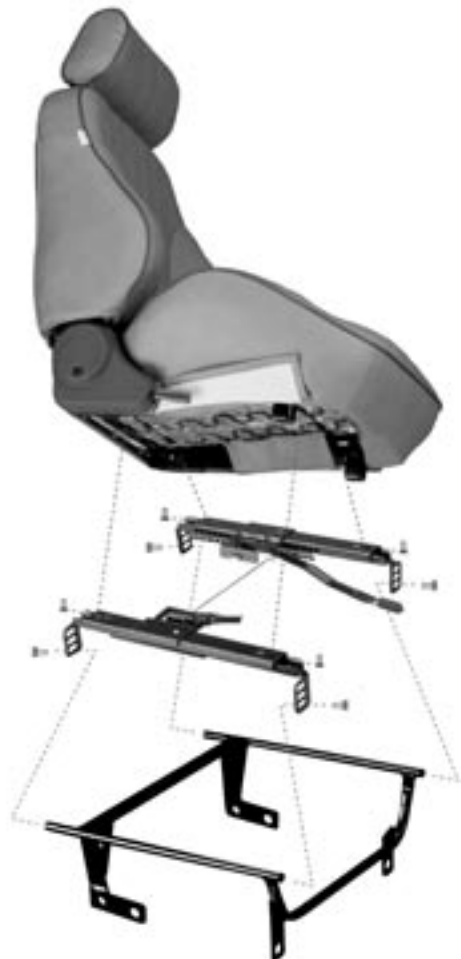
Black	'71-72	91030A	91030A
Grey	'71-72	91030C	91030C
Black	'73-78	91036A	91035A
Grey	'73-78	91036C	91035C

### 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

ALSO  
AVAILABLE

## 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		
<b>FORMULA: BORE X BORE X STROKE X .0031416 = TOTAL CC</b>										

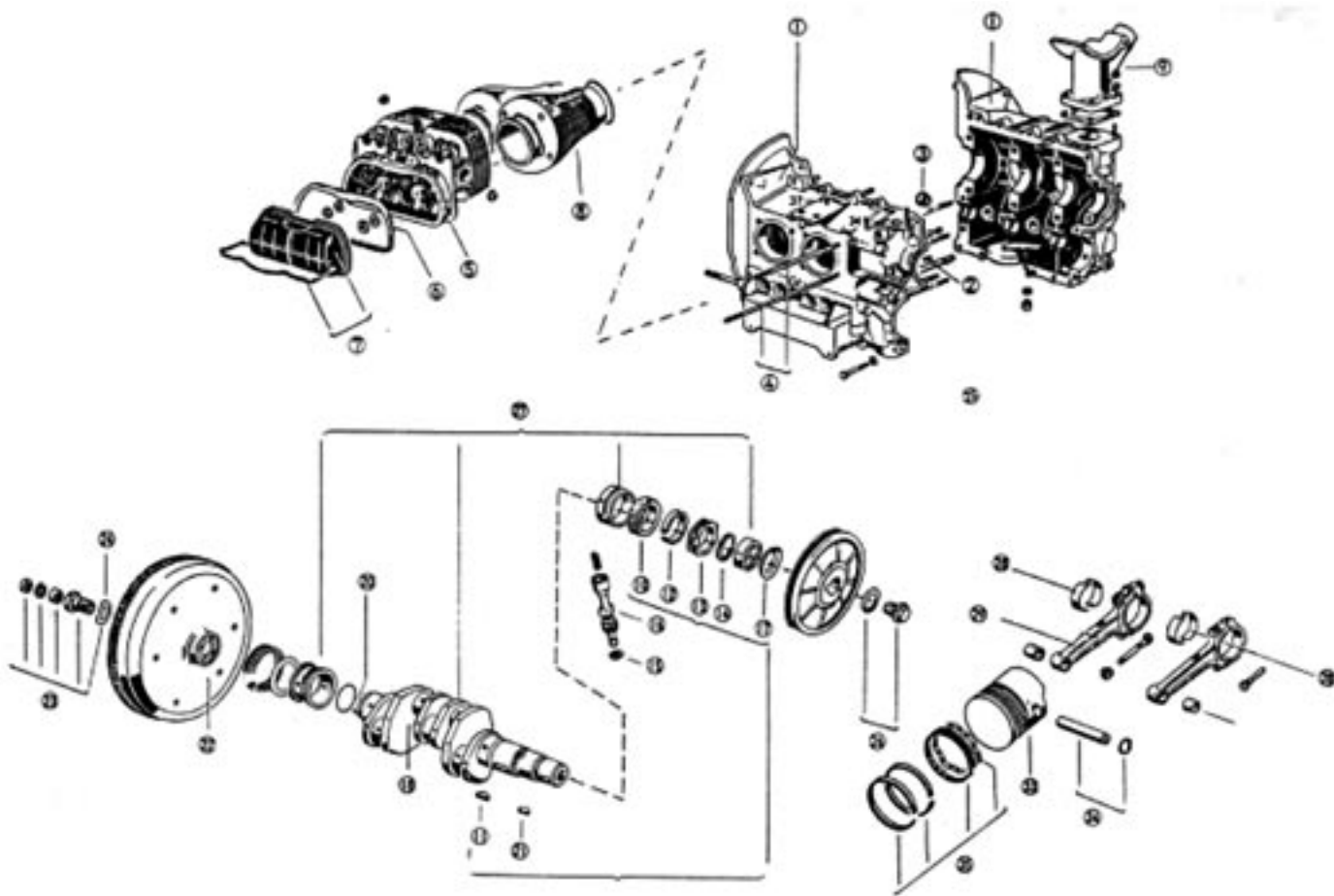
## TORQUE SPECS

### RECOMMENDED TORQUE SPECIFICATIONS FOR VW PERFORMANCE PRODUCTS

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

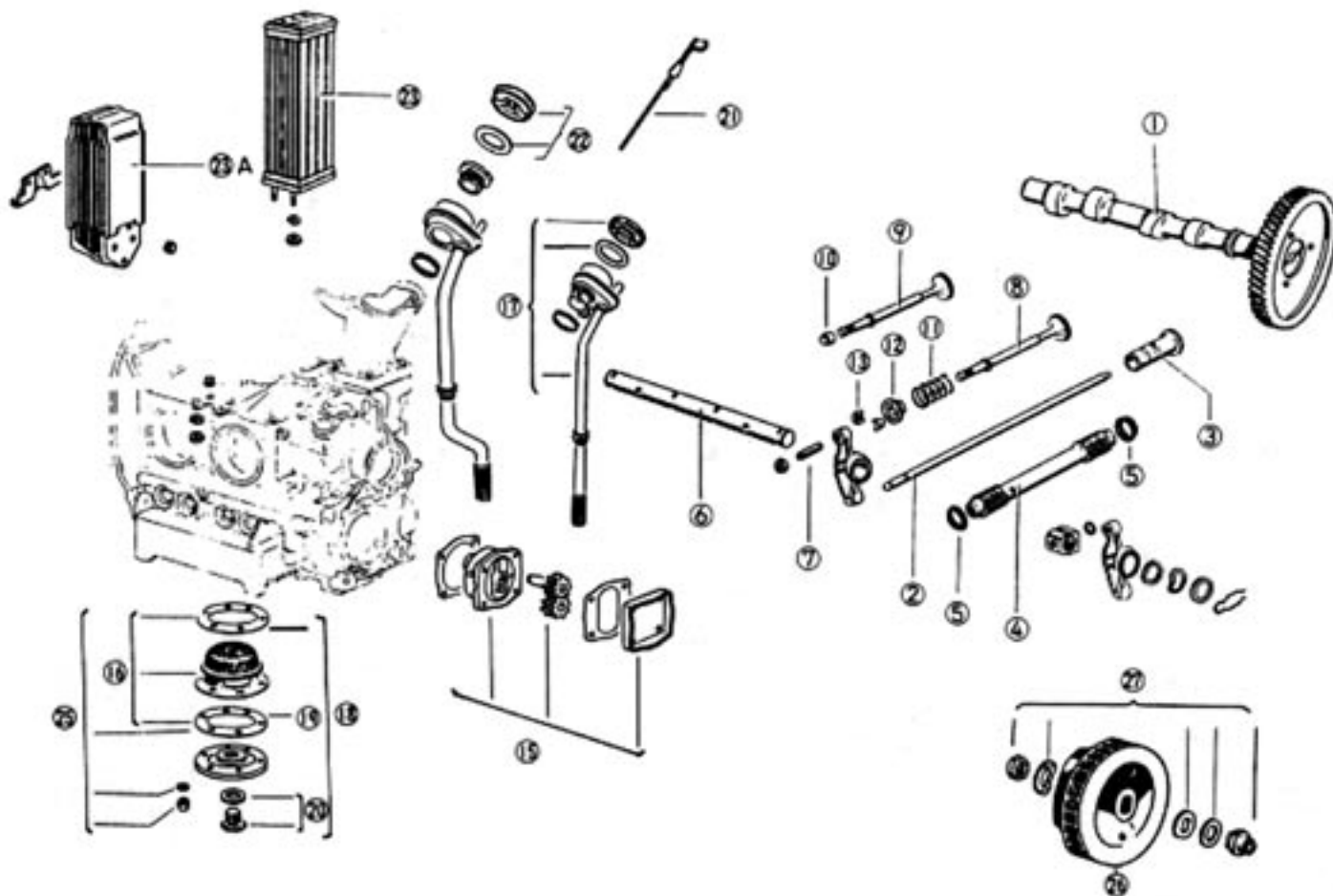


## ENGINE PARTS GROUP 101 – 105



#	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
1	#20 Series	Camshafts High-Perf T1	28
2	311109301A	Alum Pushrod 13-1600 Stock	30
2	#20 Series	High-Perf Pushrods	30
3	20018	High-Perf Valve Lifter	30
4	311109335C	Pushrod Tube 13-1600 Coat	31
4	#20 Series	Performance Pushrod Tubes	31
5	043109345A	Pushrod Tube End Seal, 100 pcs	31
6	20129	H.D. Bolt-On Rocker Shaft Assy	33
7	20118	H/D Swivel Base Adj Screws	33
8	311109601	35.6mm Intake Valve - Stock	36
8	#25 Series	S/S Intake Valve T1	32
9	113109612A	32.0mm Exhaust Valve - Stock	36
9	#25 Series	S/S Exhaust Valve T1	32
10	25047	H/D Valve Lash Caps	32
11	20011	Valve Springs - Stock	29
11	20085	Valve Springs - High-Perf	29
12	20137	Valve Spring Retainer - Stock	29
12	#20 Series	Valve Spring Retainer - High-Perf	29
13	20092	H/D Valve Keepers	31
13A	#20 Series	High-Lift Rocker Arm & Assemblies	33

#	PART #	DESCRIPTION	PAGE
13B	113109427C	Brng Support Rocker Shaft 13-1600	33
14	111198541	H/D Cam Bearing T1	29
14	111198541H	H/D Cam Bearing Double Thrust	29
15	#50 Series	H/D Oil Pumps	13
16	51001	Oil Strainer & Gasket Kit	13
17	50122	Chrome Oil Filler/Breather Tube	50
17A	50122-1	Chrome Oil Filler W/O Tube	50
18	113115181	Oil Sump Strainer, CVr, Gskt Kit	13
19	113115189A	Oil Sump Drain Cover Gaskets	13
20	50118	Magnetic Oil Drain Plug W/Gasket	13
20A	50126	Chrome Drain Cover W/Plug	13
21	50117	Chrome Dipstick, Std & Extra Long	50
22	50123	Replacement Chrome Filler Cap	50
23	111117021E	Oil Cooler	49
23A	113117021B	Oil Cooler, Doghouse Style	49
24	50067	Oil Cooler Seal, 10/10mm, 10 Pack	49
25	113198031A	Oil Sump Gasket Set - Complete	13
26	113119031B	Cooling Fan 1600 Doghouse Style	49
27	25079	Fan Mounting Hardware Kit	49



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Accel Cable H/D	40
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Bearing Camshaft T1	29
Bearing Camshaft T4	25
Bearing Eng Main VW	20
Block Off Plate Type 3	12
Brake Drums	61
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Bumper Brackets	64
Bumpers Front & Rear	64
Bumper Guard VW Early	64

## -C-

Cable Shortening Kit	40
Camshaft Kits	28
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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.

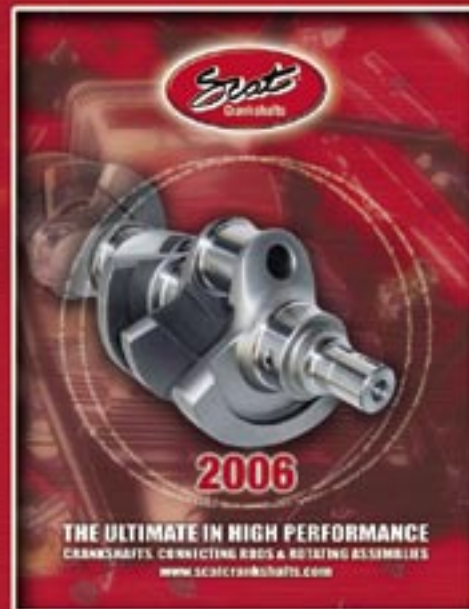


# ***HISTORY***





# Scat



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