

Zeitschrift

16th April 2006



VW NATIONALS 2006

**Sydney
Australia**

**19th great year
Presented by Club VeeDub Sydney
www.clubvw.org.au**

OFFICIAL PROGRAM

"The new Volkswagen Jetta is only \$32,990*?...
Oh yeah right and pigs might fly."



The new Volkswagen Jetta. Not nearly as expensive as it looks.

You'll be amazed by the new Volkswagen Jetta's sporty lines and elegant design. You won't believe the spacious interior or list of features such as dual zone climate control, 6 airbags and rear parking sensors; or the range of powerful, fuel efficient engines that include the 2.0 FSI, 2.0 TDI & 2.0 FSI Turbo. And the price? Well, pigs must really be able to fly. To find out more visit your nearest Volkswagen dealer today.



Aus Liebe zum Automobil

CLUB VEEDUB SYDNEY

Committee 2005-2006

President:	David Birchall	(02) 9534 4825
	david@clubvw.org.au	
Public Officer:	Bob Hickman	(02) 4655 5566
	hicko@idx.com.au	
Vice President:	Andrew Rankin	(02) 4733 2848
Secretary:	Bob Hickman	(02) 4655 5566
Treasurer:	Martin Fox	0411 331121
	martin@clubvw.org.au	
Editor & Webmaster:	Steve Carter	0413 811 186
	info@clubvw.org.au	
Book Librarian & Trivia Pro:	Phil Matthews	(02) 9773 3970
	philjmatthews@optusnet.com.au	
Video Librarian:	Joe Buttigieg	(02) 9863 4536
Tool Librarian:	Bob Hickman	(02) 4655 5566
Merchandising:	Raymond Rosch	(02) 9601 5657
	sales@clubvw.org.au	
Raffle Officer:	Christine Eaton	(02) 9520 4914
Vintage Registrar:	Leigh Harris	(02) 9533 3192
	leigh@clubvw.org.au	
VW Nationals Coordinators:	David Birchall	(02) 9534 4825
	Bob Hickman	(02) 4655 5566
	david@clubvw.org.au	

General Committee:

Frank Watkins	Simon Matthews
Jacob Finall	Keira Gethins
Belinda Godfrey	Shirley Pleydon
Ray Pleydon	Brian Van Derley
Mike Said	John Vellis

Canberra Committee

Chairman:	Steve Crispin	0419 429 453
Secretary:	Bruce Walker	0400 119 220

Committee Members:

Mark Palmer	0416 033 581
Dimitris Tsifakis	0421 725 805

Please have respect for the committee members and their families and only phone at reasonable hours.

We wish to thank our continuous
VW Nationals sponsors

19 years

Volkswagen Group Australia
Andrew Dodd Automotive
Blacktown Mechanical Repairs
C and S Automotive
H&M Ferman
Klaack Motors
Stan Pobjoy's Racing Engineering
Vintage VeeDub Supplies
Volksbahn Autos Pty Ltd

15 years and over

North Rocky & Import Parts
Shannons Car Insurance
Wolfsburg Motors

10 years and over

Australian VW Performance Centre
Ben Durie Automotive
Bookworks
Cruisin Car Carpets
Dr Mosha the VW King
Indian Automotive
Korsche Performance Centre
Mick Motors

5 years and over

Alpha Dot Net
Cupid Wedding Cars
Harding European
Doggy Bros. Batteries
Imported Car Wreckers
Karmann Promotions
Mobile Model Cars & Toys
NRMA Insurance
Reliable Automotive Services
Rivo Auto Electrical
Stockers Siding Garage
TCCA Motorsport
Unicap Pty Ltd
Volkshaven
Wurth Fasteners

Monthly Club meetings are held at Greyhound Social Club Ltd., 140 Rookwood Rd, Yagoona, on the third Thursday each month at 7:30 PM. All members and visitors are most welcome.

All mail should be addressed via the Secretary, c/- 14 Willoughby Cct Grassmere NSW 2570

Zeitschrift is produced monthly by Club VeeDub Sydney. Classified ads are free to members, send your add to the above address or send an email to the editor. We welcome all letters and contributions, which will be published if name and address is supplied. Views expressed in Zeitschrift are those of the writers and do not necessarily represent those of Club VeeDub Sydney. Articles may be reproduced with an acknowledgment to Zeitschrift. Club VeeDub Sydney, its members nor its contributors to Zeitschrift can be held liable for consequences arising from information printed in the magazine. Back issues are available from the Secretary.

Presidents Report

Welcome to Australia's premier Volkswagen event, the VW Nationals 2006. I hope you and your family have an interesting and entertaining day, or hours at our show. We try to cater for all, in particular the Volkswagen enthusiast. If you cannot find what you're looking for, please look up our sponsors and supporters in this program. We suggest that you keep this copy of our program in your car file and use it as a handy phone book next time you need parts or repairs for your vehicle.

This is our nineteenth year and we are still going strong. I hope our event appeals to you and your family and you become inspired by the display of vehicles and traders over the weekend. Most importantly, don't forget to enjoy yourself while you are with us.

We have a dedicated group of Club members who are willing to work their butts off, to put it all together, for you to enjoy.

Unfortunately we don't have a Drag Racing event at WSID this year. Hopefully next year we can get this organised, and supported by all the budding Drag Racers out there.

Once again, for the nineteenth year, our major sponsor is the Volkswagen Group of Australia, continually supporting our event with sponsorship.

In the centre of this program you will find our event listing for the weekend. We thank Fairfield City for the use of their facilities. The complex is ideal for our show as everything is within easy walking distance. Don't forget to purchase your Nationals regalia from the Club Vee Dub stand in the car show area. While your there purchase some raffle tickets in the Nationals raffle.

Have a great time at the VW Nationals 2006 and don't forget to enjoy yourself.

David Birchall



Club Calendar

April:

15th & 16th:- 2006 VW NATIONALS.

Thursday 20th:- CLUB VW MONTHLY MEETING at the Greyhound Social Club, 140 Rookwood Rd., Yagoona (right next to Potts Park). Get the latest VW news and views, plus VW socialising, drinks, films, trivia, and plenty of prizes. Lots of fun, all welcome. 8:00pm.

May:

Thursday 4th:- Magazine cut-off date for articles, letters and for-sales.

Thursday 11th: - Committee Meeting at the Greyhound Social Club, 140 Rookwood Rd, Yagoona (right next to Potts Park).

Thursday 18th:- CLUB VW MONTHLY MEETING at the Greyhound Social Club, 140 Rookwood Rd., Yagoona (right next to Potts Park). Get the latest VW news and views, plus VW socialising, drinks, films, trivia, and plenty of prizes. Lots of fun, all welcome. 8:00pm.

June:

Thursday 1st:- Magazine cut-off date for articles, letters and for-sales.

Thursday 8th: - Committee Meeting at the Greyhound Social Club, 140 Rookwood Rd, Yagoona (right next to Potts Park).

Thursday 15th:- CLUB VW MONTHLY MEETING at the Greyhound Social Club, 140 Rookwood Rd., Yagoona (right next to Potts Park). Get the latest VW news and views, plus VW socialising, drinks, films, trivia, and plenty of prizes. Lots of fun, all welcome. 8:00pm.

Sunday 23rd: Liverpool Super Swap Meet, Fairfield City Showground.



DISCOUNT PRICES

DIRECT IMPORTERS OF ORIGINAL FACTORY PARTS

• NEW PARTS & BODIES • GENUINE MOTORS

WHOLESALE & RETAIL

SOLE AGENTS FOR  

OFFICIAL SUPPLIER TO MAJOR CAR & TRUCK MANUFACTURERS

H & M FERMAN

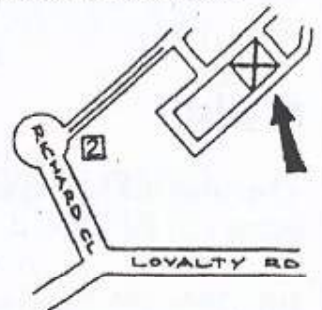
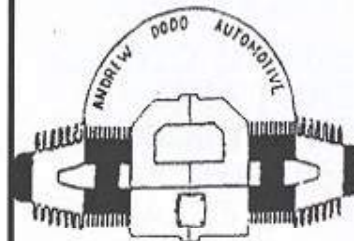
FAX 9153 6033
99-105 BOUNDARY RD PEAKHURST **9533 2722**

ANDREW DODD AUTOMOTIVE
THE ENTHUSIAST VW SPECIALIST

COME AND VISIT ANDREW AT THE EMPORIUM
35 YEARS EXPERIENCE IN ALL VW'S

All Beetle
Type 3's
Kombi
Golf
Passat

Brakes
All Service and tune-ups
Engine Re-building
Front End Work
All Modifications



We are located at:
Units 54 & 55 / 2 Richard Close
North Rocks (Off Loyalty Rd)

PHONE : 9683 2184

Less than 1% of Indian's customers want to add Water to their Air Cooled Volkswagen.



(The rest of them just want better reliability, better handling, better advice, better restoration and better air cooled servicing).

Guilty. We dabble in a dark art, Water Cooling what was meant to be Air Cooled. Shame on us.

Outrageous. We give Kombi's more power and better handling, and we do lower them without weakening them. We also make sure they don't overheat or destroy gear boxes as you travel round Oz in the next few years. We do this mostly for AIR COOLED VWs. So if anyone's telling you Indian are just into Water Cooled V6's and V8's thier dead wrong. We service and build Volkswagens for today's driving conditions. And thats what we mean by custom - custom to you.

Our custom parts and accessories are the original and the best quality. Beware of immitations, Kruizinwagon parts are designed and built to ADR standards and RTA approveble, not imported or cloned rubbish - Kruizinwagon kits and components are Guaranteed.

In the last 5 years, Indian has built a reputation for quality and reliability. Searching for better quality and performance might lead us into water cooled flirtation (300hp+ in a Bus is a whole lot of fun), but our hearts firmly in Air Cooled heaven. Call us and find out more.

See Australia's Biggest VW website : www.kruizinwagon.com.au

KIMMY DARLAND'S Kruizinwagon

ORIGINAL & CUSTOM VW PERFORMANCE EQUIPMENT
ORIGINAL QUALITY. BEST RELIABILITY. GUARANTEED

Telephone (02) 4731 6444 Facsimile (02) 4731 6445

CENTRAL QUEENSLAND'S VW SPECIALISTS



We offer the sort of quality workmanship that comes from years of experience in the VW industry. We've also developed special knowledge on the reliable operation of air-cooled VWs in hot climates. Look no further for all types of work on all types of VW in central Queensland.

NORTH ROCKY MECHANICAL & IMPORT PARTS

43 Quinn Street
North Rockhampton Qld 4701
Ph:-(07) 4922-0111 Fax:- (07) 4922-0555

July:

Thursday 7th:- Magazine cut-off date for articles, letters and for-sales.

Thursday 14th: - Committee Meeting at the Greyhound Social Club, 140 Rookwood Rd, Yagoona (right next to Potts Park).

Thursday 21st:- CLUB VW MONTHLY MEETING and AGM at the Greyhound Social Club, 140 Rookwood Rd., Yagoona (right next to Potts Park). Get the latest VW news and views, plus VW socialising, drinks, films, trivia, and plenty of prizes. Lots of fun, all welcome. 8:00pm.

August:

Thursday 4th:- Magazine cut-off date for articles, letters and for-sales.

4th - 2006 VW Spectacular at Valla Park.

Thursday 11th: - Committee Meeting at the Greyhound Social Club, 140 Rookwood Rd, Yagoona (right next to Potts Park).

Thursday 18th:- CLUB VW MONTHLY MEETING at the Greyhound Social Club, 140 Rookwood Rd., Yagoona (right next to Potts Park). Get the latest VW news and views, plus VW socialising, drinks, films, trivia, and plenty of prizes. Lots of fun, all welcome. 8:00pm.

September:

Thursday 7th:- Magazine cut-off date for articles, letters and for-sales.

Thursday 14th: - Committee Meeting at the Greyhound Social Club, 140 Rookwood Rd, Yagoona (right next to Potts Park).

Sunday 17th: Orange Blossom Festival Classic car display at the Bull and Bush Hotel, Windsor Road Baulkham Hills commencing at 9.30am

Thursday 21st:- CLUB VW MONTHLY MEETING at the Greyhound Social Club, 140 Rookwood Rd., Yagoona (right next to Potts Park). Get the latest VW news and views, plus VW socialising, drinks, films, trivia, and plenty of

prizes. Lots of fun, all welcome. 8:00pm.

October:

Sunday October 1st Oktober Fest at Hubertus Country Club.

Sunday 1st: Old Bar Volkswagen Transporter/Kombi Competition, Australian World Record Attempt.

Two Day Festival featuring Guinness World Record Attempt

Registration Essential

Prizes for the Transporter/Kombi Judged, Oldest, Youngest, Most Decorative, Most Famous, Most Kilometres Travelled (current speedo read)

Contact Festival Coordinator for more details 02 6553 7328

Thursday 5th:- Magazine cut-off date for articles, letters and for-sales.

Thursday 12th: - Committee Meeting at the Greyhound Social Club, 140 Rookwood Rd, Yagoona (right next to Potts Park).

14th and 15th Canberra VW Weekend. More details soon

Thursday 19th:- CLUB VW MONTHLY MEETING at the Greyhound Social Club, 140 Rookwood Rd., Yagoona (right next to Potts Park). Get the latest VW news and views, plus VW socialising, drinks, films, trivia, and plenty of prizes. Lots of fun, all welcome. 8:00pm.

November:

Thursday 2nd:- Magazine cut-off date for articles, letters and for-sales.

Sunday 5th: VW Shootout, see page 36 for more info.

Thursday 9th: - Committee Meeting at the Greyhound Social Club, 140 Rookwood Rd, Yagoona (right next to Potts Park).

Mobile Auto Models & Toys

Specialising in model cars



Contact Steve

Phone – Fax (02) 9543 5364

Mobile: 0403 012 060



C AND S AUTOMOTIVE

**SPECIALISTS IN WATERCOOLED
VOLKSWAGENS AND AUDIS**



- FULL SERVICE FACILITIES & SPARE PARTS
- RECO ENGINES
- ENGINE TUNES
- RECURVED DISTRIBUTORS
- GAS SHOCKS & STRUTS
- BRAKES and more

CALL RON or TED (02) 9774 3340
PADSTOW INDUSTRIAL ESTATE
UNIT C/20 78 GIBSON AVE. PADSTOW.

Cupid Wedding Cars

*Weddings
Formals
Promotions*

Contact Robert or Theresa

9837 0231

0418 662 915



02 4777 55 66

MOTOR TRIMMING
www.blackneedle.com

*Specialising in show quality
interiors and all aspects of
automotive styling.*

**From basic re-trims to
wild custom creations**



*We offer a diverse range
of services for the client
who seeks a specialised
approach towards the
customisation of their
motor vehicle interior.*

225 Cranebrook Road Cranebrook NSW 2749

Thursday 16th:- CLUB VW MONTHLY MEETING at the Greyhound Social Club, 140 Rookwood Rd., Yagoona (right next to Potts Park). Get the latest VW news and views, plus VW socialising, drinks, films, trivia, and plenty of prizes. Lots of fun, all welcome. 8:00pm.

For Sales & Wanted

Classifieds are free to Club VeeDub Sydney members and \$10.00 for non club members. Ads will appear for two months, longer if requested.

In addition to appearing in the club magazine all ads will be appear on our club website www.clubvw.org.au Photos can be included on the website but not in Zeitschrift. Photos for ads can be posted or emailed to webmaster@clubvw.org.au

PLEASE NOTE: *All classifieds will first appear in our club magazine to give our club members first chance to see them. They will be transferred to the club website on the 3rd Thursday of the month. Non members can post a cheque or money order for \$10.00 to: Club VeeDub Sydney c/- 14 Willoughby Cct Grassmere NSW 2570.*

For Sale: 1957 oval window bug, last registered 1986. 100% original. ready for restoration. perfect floorpan, next to zero rust, semaphores, original engine, rubber and cork mats, ,1957 radio!, cream with blue interior. this bug is beautiful and will only go to a collector of fine vintage VW's. \$3200 o.n.o-Sydney / 0404121443 or email: grantnsam@optusnet.com.au

For Sale:- Superbug, built Nov 1971, 1600cc engine, 4 speed manual transmission, 124742 genuine miles, Sonic extractors muffler, one owner, not registered, Clementine acrylic lacquer, new battery, near new Michelin XZX radials, vg radial spare, Bilstein gas pressure shock absorbers, air horns, some surface rust, engine runs well, needs new fuel pump and brake overhaul, always clunked into 1st gear, can be inspected at Cronulla. \$1500 ono. Graham Home 95236379 or Mobile 0401993075

For Sale:- 1969 IRS Beetle - Two tone early square window (Pope's Nose) body on manual-conversion chassis. Rebuilt ball joint beam. 4 wheel

disk brakes. New 1776 engine: Engle 100 cam; big 40x35.5 stainless steel valve heads; hi-performance pushrods & springs; dual Kadrons; j-tubes/header/ hideaway muffler; oil filter pump; temperature/ pressure senders & gauges; Scat Santana pulley. 1303 gearbox. Custom interior by AAB of Katoomba. Louvered deck lid. Many more features. Engineer Certified. 12 Months rego. Photos at <http://www.hermes.net.au/cjb/1776> \$8000. Contact Chris or Annie in Mt Vic on 4787 1213 or 0421 836 370.

For Sale:- Kombi camper \$5000 ONO Must Sell 1979 Model (last of bay window Kombis); Four owners low km under (200 000km); Reconditioned 2.0 litre engine; Full camping conversion, sleeps 4 (seats 5); Original Trakka conversion, laminated plywood throughout; Detachable table and cooking console; Reversible passenger seat, adjustable side window vents; Three electrical systems (Dual battery; 2V/12V/240V) Two way fridge (12V and 240V); Stainless steel water tank with manual and electric pump; AM/FM radio CD player radio, and CB Radio; Roo bar and two spare tyres; Everything in excellent condition and everything works; and Some surface rust. More information call Rudi: 0423 020 648

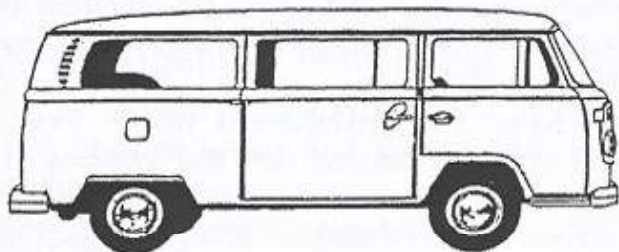
For Sale:- 2x Solex PICTi-28 Carburettor (12V and 6V)
1x Semaphore
4x Numberplate light "nose" 58-64
2x Fuel Tanks (1 for Oval and 1 for 58-67)
1x Distributor (complete for 6V)
2x Fuel Pumps (6V)
6x Wheel Decorators (for 5 Stud wheels)
8x Hubcaps (for 5 Stud wheels)
Assorted Dash Panels for 58-67
2x Headlight mixers
Pair of engine lid brackets and engine lid springs
2x Lenses (including chrome rings)
2x Manifolds for 1200cc (Beetle)
2x Original Jacks
Assorted Odometers
Cloth Hanger Hook for Oval Beetle
Prefer to sell as lot: \$200. Many other bits and pieces, come and have a browse; You may find what you've been looking for! Call Hany on 0412 080 864

For Sale:- 1977, 2 litre Dual Cab Ute, 2nd owner ex Bathurst car. NO RUST, Body straight, excellent

**Rivo Auto Electrical
and
Air Conditioning Repairs**



If you have electrical problems talk to the people who drive Volkswagens and know Volkswagens Exchange generators, starters, wiring repairs etc We can help you



Contact Paul
Phone: (02) 9627-1874 Mobile: 0407-296-370
19 Hobart Street Riverstone 2765

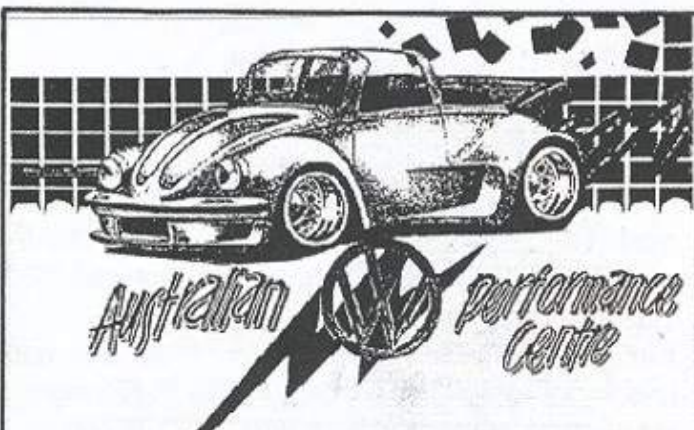
UNICAP PTY LTD

Specialising in
Transmission Adaptors
VW / Porsche to most engines
Aluminium Fuel Caps
MoTec Authorised Dealer

**Bill Croft
Managing Director**

Lot 34 / 221 Spinks Road
LLANDILO NSW 2747
Phone (02) 4777 4006
Fax (02) 4777 4830
Mobile 0408 263 554

www.pnc.com.au/~bill/Transmission.html



PARTS & ACCESSORIES
FULL RANGE OF STOCK & PERFORMANCE
PARTS & ACCESSORIES

ENGINES
STOCK, HOT, STREET, GP RACE

MECHANICAL WORKSHOP
FULL TECHNICAL SERVICE CENTRE & REPAIRS

BODYSHOP
CUSTOM PAINTING & RESPRAYS,
COVERTIBLE CONVERSIONS, DECHROMING

OTHER SERVICES
SANDBLASTING, TRIMMING, POWDERCOATING,
TECHNICAL ADVICE.....and MORE

AUSTRALIAN VW PERFORMANCE CENTRE

FACTORY 10 / 25 - 35 LUSHER ROAD
CROYDON VICTORIA 3136
PHONE (03) 9725-5366 FAX (03) 9725-5327



MICK MOTORS

VOLKSWAGEN SPARE PARTS
96 TOOMBUL ROAD
NORTHGATE QLD 4013
www.mickmotors.com.au

PHONE (07) 3266 8133

FAX (07) 3260 5179

OVER 2500 LINE ITEMS IN STOCK

ALL ENQUIRY'S WELCOME

MAJOR CREDIT CARDS ACCEPTED

ALL ITEMS CAN BE SHIPPED

"COD" BY AUSTRALIA POST

CALL FOR BEST PRICES

tailgates, front bull-bar powder coated steel, matching rear step / tow bar, brand new bare metal respray - no bog, mag wheels, owned and driven by VW mechanic. This car drives like new and everything works! Engine is good, running fine on unleaded with fuel cat. No oil leaks very very good condition. \$12000.00 ONO Contact:- Wayne Horsfall Mechanical 02-4455-5588 or info@whm.com.au

For Sale:- VW Golf GTI 16v engine, complete with all accessories, loom and ecu, good compression \$2000. Also another 16v engine for rebuild \$1000 0423 051737 Matthew, Camden

For Sale:- VW Golf GTI Mk1, 2 and 3 Parts. 8v and 16v Engines and Gearboxes, Panels, Seats, Wheels, heaps of stuff, cheap prices. Garage clearout. 0423 051737 Matthew, Camden

For Sale:- Seat Ibiza GTI, 2.8L VR6 Conversion, Fully Engineered, Shiney Red, Tints, 17" Mags, Retrimmed interior, Microtech Computer, Electric Windows and Sunroof, ABS, Power Steer, A/C. One Year Rego, IBZ28L, Beautiful Car, Reluctant Sale \$14,000, 0423 051737 Matthew, Camden

For Sale:- Kombi tent, minor repairs needed, includes original flooring guide ropes & pegs 02 4963 3546

For Sale:- Stainless steel water tank, baffle plated, carry frame included. 02 4963 3546

For Sale:- 1964 Notchback some rust. Good guards front & rear, doors and deck lid & bonnet ok No rego. \$750.00 o.n.o.

For sale 1966 Fastback on 72 floor pan. Mag wheels. Needs some work. No rego. \$850.00 o.n.o. Ph: John on 0269738814

For Sale:- 2004 Mark 4 VW Golf 2 litre Sports, Automatic, 4 Door 14,000 Km fully serviced, registered until August 06, Tinted windows, factory mags, floor mats, headlight protectors, white in colour. This car is as new and will suit a new car buyer, balance of factory warranty. Asking \$28,000 Contact Bob on 02 49 96 4601

For Sale:- VW 73 1600 L Bug for sale Interior stripped, Restoration on chassis complete, three small areas of rust to be cut out on body. At present on wheels, motor and gear box in pieces, many

numerous parts to go with the vehicle. Best offer above \$500.00. Please call Tony 9757 3743 or 0402 560 054. Vehicle located at Smithfield Sydney.

"The next few ads are all mine":

For Sale:- 1962 1/2 Body and chassis. No running gear, guards or bumpers. Body rusty, chassis ok \$150 ono

For Sale:- Astrum long wheel base buggy can be four seater advised previously registered NSW Good driver smooth 1600cc Twin Port engine/gearbox disc brake front end. Some fettling and fitting of roll bar required all lights and instruments work. Nearly finished!! \$4500

For Sale:- 1965 or so VW beetle chassis no wheels engine or gear box. Uncompleted buggy project. Clean, painted no rust good straight condition. \$250ono

For Sale:- Fully overhauled 1600cc Twin Port with new mufflers and carb and generator. I will warrant that this engine runs OK on installation. (Unused since overhaul, but has been sitting for twelve months) \$2150 ono

For Sale:- Rare 4 seater Qld registered buggy. Presently Hunter Valley will drive to Brisbane. 1600cc Twin Port engine running well. Gearbox tight and silent. Has wet weather gear. Almost 12 months registration. \$6950

For Sale:- Very well constructed shooting buggy. Has storage for rifles and was once fitted with brakes such that each rear wheel was braked independently giving excellent performance in the mud. This could easily refitted. Runs well. Has low ratio Kombi rear end. Disc brake front end. \$950 ono

For Sale:- 1500cc Single port. Runs but noisy (clacky). Generator, carb and tinware. \$175 ono
set of serviceable mufflers/heaters \$100 ono

For Sale:- IRS buggy gearbox, Overhauled condition. Warranted on installation. \$1150 ono

"Yes all items are negotiable, but only after inspection, cash offer in hand please. FW (Bill) Pike fwpike@bravo.net.au, 0249903717 0415361660"

For Sale:- 1965 Type 3 1500s, no registration, can be restored, runs \$2000.00 ONO

For Sale:- 1966 Beetle 1300 Custom, no registration, good floor, 1600 engine, runs \$1500.00 ONO

For Sale:- 1958 Beetle, Original car semaphores runs \$1000.00 ONO



Vintage 
**VEE-DUB
SUPPLIES**

VINTAGE VEE-DUB SUPPLIES

ABN 29 000 768 196

Unit 1, 11/B Harp Street, Campsie
2194 NSW AUSTRALIA

Tel: (02) 9789 1777

Fax: (02) 9718 8704

www.vintageveedub.com.au

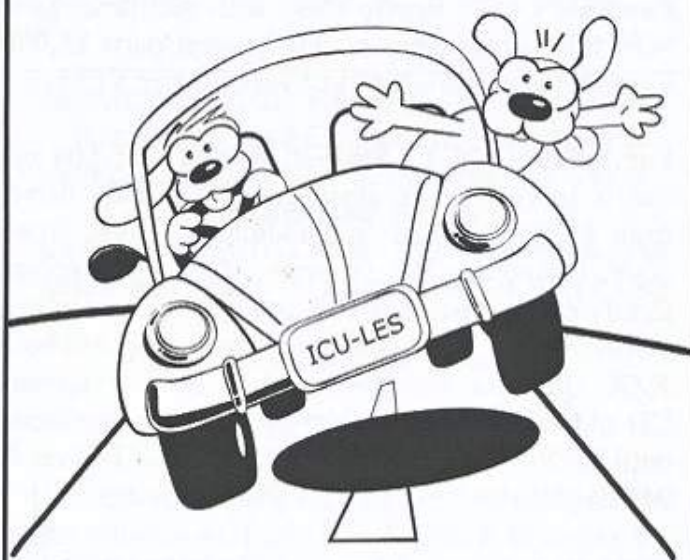
Agent for West Coast
Metric body & window
rubber seals & accessories

 WEST COAST METRIC INC.



LES BARLIN

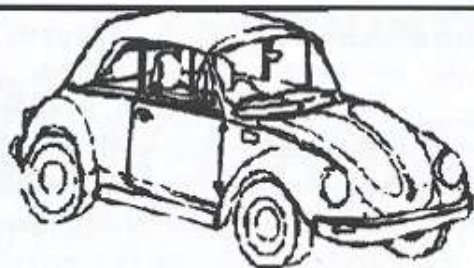
AUTOMOTIVE SERVICES



VW, Nissan and Lada Specialist

106 Commerce Street Taree

Phone/Fax (02) 65 523190



RELIABLE AUTOMOTIVE SERVICES

15 Dickson Avenue
ARTARMON NSW 2064

PH: 9438 3830

FAX: 9436 4937

reliable@cyber.net.au

Specialising in
VW, Audi & BMW

All Mechanical Repairs

SYNPOL AUTOMOTIVE POLISH



For a finish that
SHINES

SYNPOL AUTOMOTIVE POLISH



- Cleans, polishes and protects in one easy application.
- Suits most painted surfaces, plastics and rubber.
- Quick effective cleaning of paintwork.
- Long lasting and durable protection.
- Leaves no white chalky residue.

Available from:

WÜRTH AUSTRALIA PTY. LTD.

Phone: **1300 65 77 65**

or your local VW specialist.

All cars are being sold to support a 50th anniversary re run of the 1956 Ampol Round

Australia rally. Cars are located in Muswellbrook. Call Rodney 0402-063-052

For Sale:- 1976 Beetle fitted with inertia reel seat belts full instrumentation. Many other parts \$5,000. Contact Brian 0298294543 Sydney After 5 PM.

For Sale:- 1970 T3 Station Wagon - \$6,500 neg Car is in very good, clean condition, daily driven from Frenchs Forest to Paddington. Body is not quite Concours, but is better than your second family car and paint is very good. Pan is excellent, suspension is tight and tyres are new Michelin XZX. Has new window and door seals, Panasonic CD player with removable front, and is registered until 25 Nov 06. Heater works, too. Call Bill on 02 9451 3129 after 6.00 pm or leave a message.

For Sale:- Kombi Camper 1976 Model, 2 litre. Body is basically good, some repairs needed, camping furniture inside dismantled by previous owner, 3 way fridge, seats etc all there. Has been registered for last 12 months expires on the 07/01/06 has pink slip. \$3000.00 spent on motor sell for \$2000 sorry no offers contact Allen on 0418 681945 Maitland NSW

For Sale:- 1967 VW Beetle white 12 Volt, new battery, mechanically sound, in good condition, no rust, 6 months rego WTW 581, Michelin tyres, asking \$2150.00 ONO Epping. Please contact 9868 2949 or 4385 5171 after hours.

Volkswagen Introduces Concept A

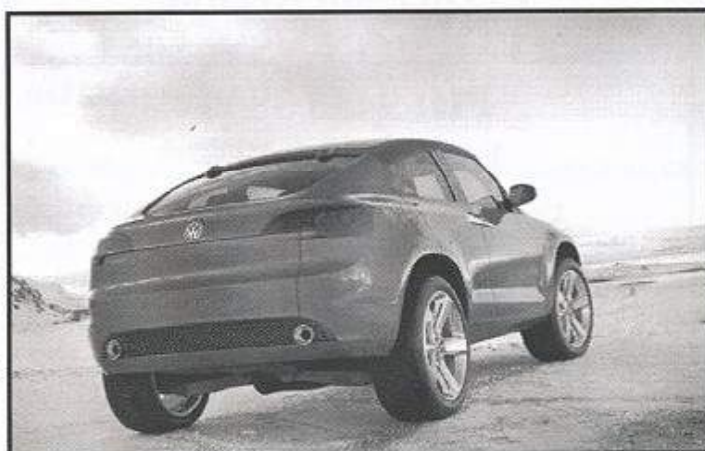
Wolfsburg - It is the child of a new era. Its name: Concept A. A Volkswagen with all wheel drive, a cross between a sports car and SUV, with a design that is as powerful as it is aesthetic and that possesses best all round features. Volkswagen celebrates its world premier in Berlin. The premier for the public will follow at the Geneva Automobile Salon in late February. The Concept A stands for a progressive design-philosophy. Its front part with a new 3D crest radiator grill made out of brushed aluminium and distinguished headlights form a congenial yet



competent and confident progressive appearance. The "face" is well known, just not on an automobile, it looks like the mirror image of a cheetah. The silhouette shows the lines of a coupe. The front and rear doors open facing each other. The carriage overhangs are briskly short, the hood long, the C columns one of a kind. 20-inch alloy rims and 295 tires fill out the space in the distinctively extended wheelhouses.

Full load and plenty of light: Concept A's finish is coloured in the intense blue tone of glacier formations and is called „Glacier metallic“. Added are glass flakes, which enhance the depth of the paint applied in a piano lacquer technique. The rear part, with its athletic flanks, imparts a strong elegance. The hatchback is built in tailgate-style and can be opened in two steps: the area under the rear lights swings out like a pick-up loading surface and thus creates a lot of room for big items. At the bottom the motor exhales via two round chrome pipes. The interior presents itself spacious and open. Light and air dominate the feel of the space. If needed, a large soft top can be swerved all the way back to the C column.

Motors any way you like, but with all wheel drive:





CAR CARPETS & UPHOLSTERY

SEAT REPAIRS
HEADLINING
CENTRE PILLARS
DASH RECOVERS
REAR TRAY
DOOR TRIMS

KICK PANELS
MOLDED CARPETS
BOOT CARPET
UNDER FELT
SOUND PROOFING
UNDER BONNET

FULL CAR INTERIORS, VINYL / CLOTH / VELOUR / LEATHER

We have a full fitting service available

Full Mobile Service
P O Box 104 Narellan NSW 2567
Phone 0400-996-855
email:- cruisin@ezweb.com.au

Canberra VW Centre



SERVICE - PARTS - REPAIRS - RESTORATIONS
RECONDITIONED ENGINES & GEARBOXES
SPECIALIST IN NEW AND GENERATION VW's,
AUDIS AND SEATS

LATEST COMPUTER SCAN TECHNOLOGY & LOG BOOK SERVICING FOR NEW GENERATION CARS

TWO GREAT LOCATIONS



UNIT 7 WINGALL PLACE
BELCONNEN ACT 2617
(02) 6253 1481

UNIT 7 CNR. REED ST.
SOUTH & SCOLLY ST.
TUGGERANONG ACT
2900 (02) 6293 1941

www.cvwc.com.au

This is... **VW COUNTRY**

Blacktown

MECHANICAL REPAIRS

BLACKTOWN ROADSTERS

ALL "REBUILT" VW BEETLES



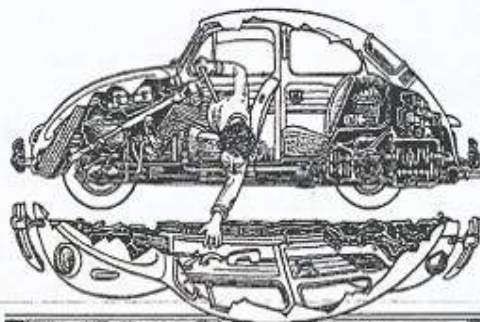
WORKMANSHIP TO SUIT
YOUR BUDGET

T1 Engines from 1200 to 1900
T4 Engines from 1800 to 2600
Repairs to all makes and models

Call Peter 9627-6209
50 Princes Street
Riverstone NSW 2765

BEN DURIE AUTOMOTIVE ENGINEERING

BH 4950-8248 AH 4950-4897



- Performance modifications & conversions
- Service & repairs on all makes & models
- New & used parts
- Open 6 days
- After Hours Service by appointment

Ben Durrie Automotive Engineering
2 Park Street TERALBA NSW 2284

Volkswagen Specialist



The study shown in Berlin is powered by a 110 kW (150 hp) strong Twincharger (TSI), whose motto is "maximum driving pleasure, minimum consumption". Its power reaches the wheels via a six-gear transmission and an all wheel drive 4MOTION. A turbo diesel direct fuel injection (TDI) with diesel particle filter, the FSI Turbo of the Golf GTI (147 kW / 200 hp) and much more could also be used. Studies can do and are allowed anything.

Viable dream: The Concept A is the vision of an ideal Volkswagen. One of many variations of the future. They are all connected by one claim: Volkswagen, like the Concept A, has to be feasible for many customers and expand the model spectrum according to customer's needs.

Present spectrum: Today this spectrum ranges from the Fox to the Phaeton. But more and more we will be seeing a fascinating diversity between these columns. CrossPolo, Golf GTI, Golf R32, Eos or the Passat Individual are showing the way. The New Beetle and the New Beetle Convertible were forerunners. The new spectrum between the columns offers a huge potential and includes cars like the clever Caddy Colour Concept for families, the wild GX3 for California, the large Multivan

Beach for the continental trip and the consistently versatile Eos for every day and every weather of the year.

Future Spectrum: But that's not all. A VW sports car also fits between the columns. And an all wheel-powered specialist of the Golf class has been on track to go into series for quite some time. As a concentrate of various automobiles, Concept A demonstrates where the optical journey can lead. The crossover study combines elements of a compact SUV with the lines of a sports car. A designer's coup de main.

SUV-Coupe: Presented worldwide for the first time in Berlin, the Concept A optically accompanies the leap of the Volkswagen brand into the future. Conceptually the design team used a point of attack coming from the ever-growing de-fragmentation of the segments. Result: if up till now the SUV's put the advantages of the steep hatchback in the forefront, the Concept A, with its coupe like rear part, underlines a more classic dynamic. Here the design combines the no compromise elegance of a sports car with the demonstrative robustness of an off road model. A fun machine and high everyday efficiency, a sports car with travel qualities, a coupe with station wagon features. The design of the 4.35 meter long, 1.85 meter wide and 1.55 meter high Concept A in detail:

Volkswagen-Google Joint Venture

Volkswagen of America, Inc. and Google recently presented the future of vehicle navigation at the 2006 International Consumer Electronics Show (CES) in Las Vegas, and it's closer to virtual reality than ever before.

Volkswagen, Google, and graphics chipmaker, nVidia, are working on an in-car navigation map system and display that is 3-dimensional and more real looking than anything that's available today.

Driver and Passenger will be able to instinctively recognize where they are in relation to the surrounding topography, especially in urban areas that are depicted with depth and accurate size relationships between buildings and roads.



EUROPEAN CAR SERV.



WOLFSBURG MOTORS
ENGINEERS PTY. LTD.

Ph. 9519 4524

38 PRINCES HWY.

ST PETERS

Fax
9519 5575

V.W.
PARTS
&

DIESEL
SERVICE.



AUDI
SUBARU

Email :- wmotors@netspace.net.au

Need parts?



www.classicveedub.com.au

*Australia's largest selection of
all Classic Vee-Dub parts*



Classic Vee-Dub Pty.Ltd

ph: 02 9638 4200 / fax: 02 9638 4286
info@classicveedub.com.au / www.classicveedub.com.au
36 Bridge st. Rydalmere, 2116, N.S.W, Sydney, Australia

Stan Pobjoy's Racing Engineering Pty. Ltd.

Contact us to discuss our NEW
competitive freight rates

- New VW Engine Parts
- VW Engine Machining
- Engine Assembly
- High Performance Engine Conversions
- Standard Engine work
- We also do VW and derivative aircraft engine work



Relocating to:-
1252 Orara Way
Nana Glen, Coffs Harbour
Ph 6654-3694
Fax 6656-9076

ABN 64 003 442 957

STOKERS SIDING GARAGE

- ▶ Engine & Gearbox Rebuilding
- ▶ New & Used Parts
- ▶ Parts Shipped Australia Wide

NEW WEBSITE

www.stokersvwparts.com.au

For All VW's - Old to New

Ph: 02 6677 9246

222 Stokers Siding Road
Stokers Siding NSW 2484



Volkswagen, working through its Electronic Research Laboratory (ERL), in Palo Alto, Calif., together with Google and nVidia, is also working on other advancements, including automatic personalized content updates for its vehicle navigation systems.

Highlights of Volkswagen's prototype vehicle include a vehicle-centric touchscreen interface to Google Earth with state-of-the-art graphics, accurate 3D maps and real-time traffic updates and routing. This open system harnesses the power of the web to maintain a dynamic database of current information on restaurants, dealerships, gas stations and other points of interest that can be overlaid directly onto the user's 3D map. With the increasing accuracy of GPS, dead-reckoning and laser-radar imaging, as well as ever-improving car-to-infrastructure communication, this prototype will be available on showroom floors in the near future.

High-quality 3D and satellite-based representations of the world are becoming an exciting feature in on-line search engines and navigation. These photo-realistic, high-resolution 3D images are not only more engaging for the user, but they are also more efficient and accurate at conveying information than traditional 2D mapping representations.

About the Electronics Research Laboratory

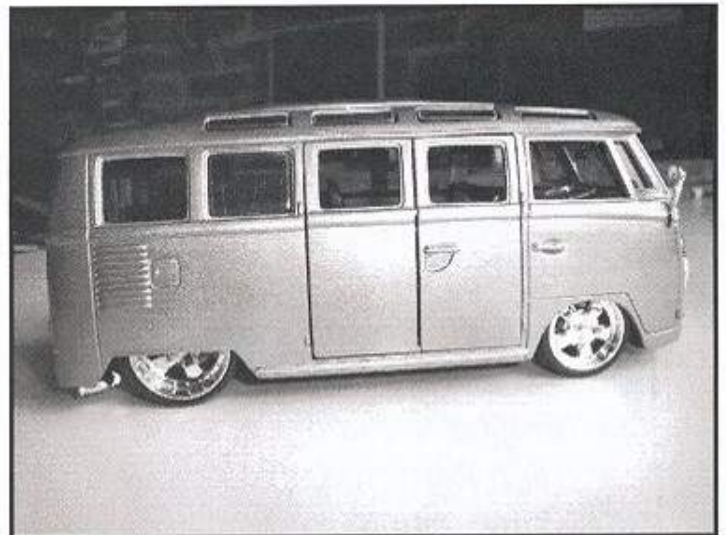
The Volkswagen of America, Inc. Electronics Research Laboratory (ERL) focuses on providing customers with smarter cars, sooner. It aims to identify new technologies and accelerate their development into future production vehicles. Located in Palo Alto, California, the ERL is a high-profile think-tank representing the Volkswagen Group in North America. Its presence in the heart of Silicon Valley allows the Volkswagen Group to work directly with the world's leading high-tech companies, start-ups, and universities. Working closely with these partners allows the ERL to design and develop innovative features and applications, which are then integrated with Group vehicles for evaluation and testing. For additional information please visit www.vwerl.com.

THE TOY DEPARTMENT

Welcome to the VW Nationals edition of the Toy Department.



I recently came across this type 3 on e bay, one red and the other blue. Unfortunately I did not source the make of this model but I am sure someone can help us out with a detailed description and origin.



On the new side of things Maisto have released some new versions of a 23 window split window bus, it's mean, it's low, has great wheels, has a speaker in every possible interior panel, wide screen TV, but some would argue that it's just a rehash of the original tooling.

Manufacturers may have start taking a leaf out the Minichamps book of bay window models. There is a real need to promote the '72 plus kombi in scale models! After all the bay window kombi has been

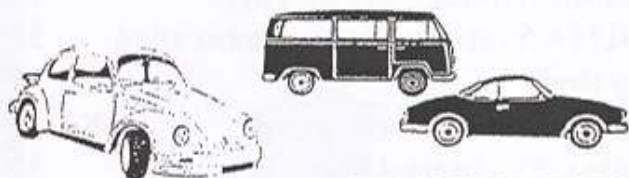
KLAACK MOTORS

SPECIALISING IN



ENGINE RECONDITIONING, BRAKES, SUSPENSION,
SERVICING ACROSS THE WHOLE VW AUDI RANGE

WE OFFER THE SORT OF QUALITY WORKSMANSHIP THAT COMES FROM OVER 30 YEARS
EXPERIENCE IN THE VOLKSWAGEN INDUSTRY. CALL US FOR HONEST AND RELIABLE SERVICE



PH 9724 5901
9727 2057

LACKEY ST

FAIRFIELD

AUTHORISED INSPECTION STATION



We are thinking of changing
our Name to

Volkswagen SEVEN ELEVEN Autos.

People expect us to be open all hours.
Although we love VW's -from the oldies
to the newies- just as much as you do,
we need to sleep! But our Email and
Fax branches are always awake.

Ring or call in

Mon, Tues Wed, Frid 9-5pm

Thursday 9-6pm Saturday 9-1pm

We may not sell

Cool drinks and Chips

But we do sell

Cool parts and Bits

**Volkswagen
Autos**



20 Joyce Street Pendle Hill NSW 2145

Phone (02) 9688 2933 Fax (02) 9896 3291

www.volkswagen.com.au Email:- volkswagen@bigpond.com



Like your car, our policies also
stand out from the crowd.

Talk to an enthusiast at Shannons. Our very competitively priced insurance includes
features like agreed value, choice of repairer, lifetime maximum no claim bonus, lifetime
guarantee on all repairs, no blame-no excess and pay by the month premiums.

Shannons Insurance is a member of the Shannons Group of Companies. Shannons Insurance is a member of the Shannons Group of Companies. Shannons Insurance is a member of the Shannons Group of Companies.

FOR A SPECIAL QUOTE CALL 1300 139 006

www.shannons.com.au

VOLKSWAGEN

★ Speed & Style ★

Engine Rebuilding • Standard / Street / Race

Turbo Charging • Fuel Injection Systems

Custom Manifolds / Exhausts

Chassis / Roll Cage work

Modified Suspension / Tubbed Beams

Dyno Tuning • Head Flow Bench

Custom Clutches • Hydraulic / Cable

Paint / Panel / Rust work

Standard / Custom Interiors

Standard / Custom Restorations



Victoria's fastest Volkswagen's

03 9543 7804

VW NATIONALS SPONSORS 2006

We wish to extend a sincere "thank you" to all of our sponsors, who have made the VW Nationals 2006 possible.

		<i>Page number</i>		
Volkswagen Group Australia	2, 39 & 40		Kombi Rescue	32
All Metal Bumpers	31		Korsche Performance Centre	24
Alpha Dot Net	30		Les Barlin Automotive	11
Andrew Dodd Automotive	5		Mick Motors	Qld 9
Aussie VeeDubbers	36		M&R Mobile Car Detailing	32
Australian V W Performance	Vic 9		Mobile Model Cars & Toys	7
Ben Durie Automotive	13		NRMA Vintage Classic Insurance	26
Black Needle Motor Trimming	7		No Bugs	32
Blacktown Mechanical Repairs	13		North Rocky Mechanical	Qld 5
Bookworks	24		Nulon Products Australia	32
Canberra VW Centre	ACT 13		Peakhurst Auto	30
Classic British & German	30		Reliable Automotive Services	11
Classic VW Pacific	Qld 31		Rivo Auto Electrical	9
C & S Automotive	7		Shannons Classic Car Insurance	17
Classic Vee Dub	15		Stan Pobjoy's Racing Engineering	15
Cupid Wedding Cars	7		Stokers Siding Garage	15
Custom Off Road	Qld 28		Super Roo NSW Q8 Oils	36
Cruisin Car Carpets	13		TCCA Motorsport	31
Doggy Brothers Batteries	18		The VW King	31
Defender Safety	35		Unicap Pty Ltd	9
Euro Automotive	30		V Force	26
Genuine Trade Imports	36		Vintage Vee Dub Supplies	11
Harding Performance	Qld 24		Volksbahn Autos	17
H & M Ferman	5		Volkshaven	26
Imported Car Wrecker	Vic 28		Volkswagen Spectacular	30
Indian Automotive	5		Vollkommen Art	Vic 17
inMotive	24		VW Classic Sutherland	26
Iron Cross Design	35		VW Magazine Australia	34
Karmann Promotions	Vic 28		Wolfsburg Motors	15
Klaack Motors	17		Wurth Fasteners Australia	11



Volkswagen Group Australia

SYDNEY VOLKSWAGEN DEALERSHIPS

2006 OFFICIAL PROGRAMME



19 GREAT YEARS
www.clubvw.org.au

VW Nationals 2006

Easter Saturday 15th April

10am: Navigation and Sight-seeing Run through south-west Sydney. Bring a partner! Meet at the Greyhound Social Club, 140 Rookwood Rd Yagoona, at 10.00 am. We finish at Vintage VeeDub Supplies for a free sausage sizzle and a few drinks.

9pm: Herbie Movie night at Fairfield Showgrounds, Smithfield Road, Prairiewood. Come along and watch the movie or just have chin wag. If you want to help with setting up of the show area come at 7pm. BYO food & drinks.



Easter Sunday 16th April

Show Day Fairfield City Showgrounds

9am-3pm Car Show assembly
9am-3pm Volkswap
9am-11am Car Show judging
2.30pm Engine Blow
3pm Trophy presentation
4pm Raffle draw

VW Nationals 2006 Show & Shine is at Fairfield City Showgrounds, Smithfield Road, Prairiewood.

Huge undercover area for Show & Shine and Dealer Displays with space for up to 200 show cars undercover. On site catering available with plenty of everything.



GREAT FUN FOR ALL THE FAMILY

VW Nationals 2006



Entries close at 11 am Sunday. One entry per car in categories listed 1-19 (maximum of 3 entries per car). Judges decision will be final

Car Show Categories

- | | | | |
|--|----------|---|----------|
| 1. Beetle / Cabrio up to 1957 | Standard | 25. Non Factory Off Road Beach buggy / Baja etc | All |
| 2. Beetle / Cabrio 1957to 1967 | Standard | 26. Vintage VW on Club Plates | All |
| 3. Beetle / Cabrio1968 onwards | Standard | 27. Volkswagen Audi Group Vehicles (All Years) | All |
| 4. Beetle / Cabrio up to 1957 | Modified | 28. Best Engine Bay | Standard |
| 5. Beetle / Cabrio1957 to 1967 | Modified | 29. Best Engine Bay | Modified |
| 6. Beetle / Cabrio1968 onwards | Modified | 30. Best Paint Fit & Finish | Standard |
| 7. New Beetle / Cabrio 2000 | All | 31. Best Paint Fit & Finish incl Graphics | Modified |
| 8. Kombi Campers | All | 32. Best Interior | Standard |
| 9. Kombi Split Screen | All | 33. Best Interior | Modified |
| 10. Kombi (1968-1979) | All | 34. Daily Driven up to 1960 | All |
| 11. Kombi T3 | All | 35. Daily Driven 1961 to 1970 | All |
| 12. Kombi T4 | All | 36. Daily Driven 1971 to 1980 | All |
| 13. Type3 & 4 (All Years) | Standard | 37. Daily Driven 1981 to 1990 | All |
| 14. Type3 & 4 (All Years) | Modified | 38. Daily Driven up to 1991to 2000 upwards | All |
| 15. Karmann Ghia / Cabrio | Standard | 39. Daily Driven 2001 Upwards | All |
| 16. Karmann Ghia / Cabrio | Modified | 40. Best Engineered | All |
| 17. Aussie Convertibles & Component Cars | All | 41. Best Unfinished Project | All |
| 18. Golf/ Cabrio (Mk1-Mk3) | Standard | 42. Best Displayed Vehicle* | |
| 19. Golf / Cabrio(Mk1-Mk3) | Modified | 43. Peoples Choice* | |
| 20. Golf / Cabrio(Mk4-Mk5) | Standard | 44. Highest Point Scoring Vehicle (Overall)* | |
| 21. Golf / Cabrio (Mk4-Mk5) | Modified | 45. Volkswagen Group Australia Car Of The Day * | |
| 22. Scirocco & Passat All Years | All | | |
| 23. Audi (All Years) | All | | |
| 24. Factory Off Road / Type 181 / Country Buggy / Syncro | All | | |

*Automatic Entry

VW Nationals 2006

2006 VW NATIONALS INFORMATION

Australia's Premier VW and Audi event for all the family.

April 15th & 16th 2006, SYDNEY AUSTRALIA

See the biggest variety of VW's and Audi's in Australia. Now in its 19th great year, VW Nationals has become the event for all VW and Audi owners. See the most immaculate array of models from just about every production year. Enter your car in one of the categories below or just come and look. It's the event for the enthusiast and all the family. Heaps of events all weekend with Sunday the big 'Show and Shine' day.

VW Nationals Enquires: David Birchall (02) 9534 4825 or david@clubvw.org.au

Why not become a member of Club VeeDub?

You don't have to be a member to enjoy VW Nationals or to enter any event. Club VeeDub Sydney inc. is centred in Sydney, with many members throughout Australia and overseas. The benefits of membership are plenty:

- Club discounts
- Professional advice
- Access to club tool library
- Access to club book library
- Access to club video library
- Picnic and fun days
- Observation runs
- Vintage plate facilities
- Zeitschrift (monthly magazine)

Our club magazine (Zeitschrift) has won many awards. Club VeeDub was the first VW Club in Australia with a vintage plate facility for members (for standard vehicles 30 years or more). Club VeeDub supports several charities through our fund raising activities. Send \$40.00 Au (within Australia) or \$50.00 Au (International) to Club VeeDub, Sydney PO Box 1135 Parramatta N.S.W 2124 Australia



around for nearly 35 years now!

Imagine a bay window kombi, lowered, with polished alloys, may be some flames up the side.....heaven.



This beetle version by Maisto I must say is also impressive.

If you are reading this at the VW Nationals look out for and come share a yarn, I am always looking for that something new to feature in the months ahead.

Alternatively the you can contact me at the following address bezzina4@bigpond.com where you can send me some images of your favourite VW models.

Tony Bezzina

The New VW Crafter - Replaces the LT

The announcement of the new Crafter completes the renewal of the entire Volkswagen light commercial vehicle range. This began with the new T5 Transporter in 2003, followed by the new Caddy which has helped total sales of Volkswagen commercial vehicles to rise from 256,520 in 2004 to a forecast 324,500 for 2005, a growth of 26.5 per cent. UK sales of VW Commercials have grown by 41 percent over the last three years.

While the large LT model suffered a stop-start history in Australia and never sold more than a handful of vehicles, the Crafter is destined for an Australian release in the second half of 2006 and should peg back its main competition, the Mercedes Sprinter.

Four versions of Volkswagen's fuel efficient, five cylinder TDI engine are available in Europe, delivering 65kW, 80kW, 100kW and 120kW. The new unit is now equipped with common rail fuel injection and a diesel particulate filter combining durability, low fuel consumption and low emissions with a wide choice of power outputs.

The Crafter is equipped with a 6-speed manual gearbox as standard - an automatic transmission will be optional. The generously sized braking system has considerable reserve capacity even at maximum vehicle weight. Optimised suspension gives the vehicle good cornering stability, and for additional safety, the Crafter is fitted with ESP and ABS as standard.



inMotive

autosport

inMotive is the exclusive Australian importer of Germany's KW Suspensions. KW's extensive motorsport experience is drawn upon to develop the widest range of premium quality suspension products for street and race applications.

We are also the exclusive importer of Fun Tech products from Germany whose range includes strut braces, body kits, exhaust systems and other products. We are continually expanding our performance products range so please visit our web site or call us for up to date information.

www.inmotive.com.au



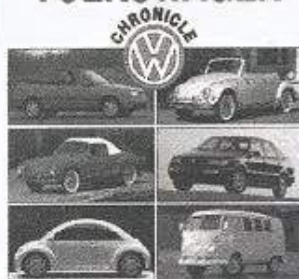
KW
suspension

Ph: (02) 8812 5299
Mob: 0416 156 075
email: info@inmotive.com.au



BOOKWORKS

VOLKSWAGEN



BY GUY CARVER ROSSIGNOL, THE AUTO EDITOR OF CONSUMER GUIDE



VW BEETLE & KARMANN GHIA
1954 thru 1979 - All models
Automotive Repair Manual

- * Repair Manuals
- * Marque Histories
- * Most Makes & Models

56 Bonds Rd Punchbowl 2196
Ph: 9740 6766 Fax: 9740 6591
www.bookworks.com.au

K O R S C H E



AUTO RECYCLERS

- BEETLE • TYPE III
 - GOLF • KOMBI
- VW Spares – New & Used
full restoration available
VW Cars bought & sold
Unit 1C / 9 Nell Road
West Gosford NSW 2250
Phone (02) 4325-7911

DL 12602

HARDING PERFORMANCE

Formerly Harding European



Exclusive Importers of APR and Oettinger products



Tel: 1300 830 949
(int): +61 7 3392 2980
Fax: +61 7 3217 4941

www.hp.net.au



The ergonomically designed cabin includes a driver's airbag as standard, while front passenger, curtain and side airbags are available as options. For added convenience, remote central locking and electric windows are also standard. A dash-mounted gearlever offers increased comfort, and also releases more cabin space. Continuing the space theme, provision has also been made for the storage of many items that van drivers often need to accommodate.

A choice of three wheelbases, four load compartment lengths and three roof heights enhance the versatility of the new model. The Crafter has a maximum load capacity of 17 m³ and the 5-tonne panel van can now transport a weight of approximately 2,670 kg.

There is ample width inside the vehicle for two Euro pallets to stand next to each other. This is complemented by superior load compartment access - in vehicles with the medium or long wheelbase, a sliding door reveals a loading aperture 1.3 m in width and 1.8 m in height, allowing Euro pallets to be loaded easily. An optional transport safety system can be used to restrain loads.

The Crafter has been designed to be visually more striking than its predecessor. Strong lines, vertical clear glass headlights and robust side protection strips characterise the modern design, giving the Crafter a distinctive appearance. The Crafter also uses a variation of VW's current 'corporate grille', the deep vee shape seen on the Polo, Golf, Bora and Passat.

Sales are expected to start in the UK during September 2006 following a world public launch at the Commercial Vehicle Show in Birmingham

during April 2006, to open a new chapter in the 30-year history of the LT.

At this stage the specifications of models bound for Australia have not been released, but the out-going old model LT35 is sold here in four body variations only - short or long wheelbase, and high or low roof, with choice of only two engines - a 2.5L diesel with 80kW, or a 2.8L diesel with 116 kW. The larger capacity dual-rear wheel LT46 shares both engines, but is only available in high or low roof. The new Crafter's larger range of variations should bring additional variety to VW's Australian lineup.

Restructuring Programme Prepared for Volkswagen

WOLFSBURG, Germany - The Volkswagen Group successfully completed its ForMotion efficiency programme in 2005, achieving an improvement of € 3.5 billion in its result.

Thanks to ForMotion, the Group was able to counteract the negative earnings impact caused by market conditions. However, as a result of the extremely tense economic situation, the Volkswagen Brand still only records a very slight profit. Dr. Bernd Pischetsrieder, Chairman of the Board of Management of Volkswagen AG: "In particular, the export capability of the German VW plants is not ensured. We continue to incur significant losses on cars exported from Germany to the USA. In order to ensure a secure long term future for the Group, we must act rapidly and determinedly to eliminate the problems that we face."

In this context, comprehensive internal and external competitive comparisons have been conducted. The results are outlined below:

- As regards productivity, it was found that Volkswagen still had a significant disadvantage on an international basis (related to products, procedures and processes).
- In comparison with our best German plants, the traditional German Volkswagen plants still record very high losses;

Volkswagen Open 5 days
and Saturday Morning
VOLKSWAGEN SPECIALISTS
2-3 Grange Road Leumeah NSW



- Dismantling of Air & Water VW's •
- New and Used Spares •
- Mechanical Repairs •

Ph: 02 4626 5255
Fax: 02 4626 5266

The Shires

VW CLASSIC

VOLKSWAGEN

Located in the Sutherland Shire

ph/fx. 02 9521 5333

Mob. 0409 988 748




Precision built motors by Gary Williams

- Motors to suit Bug, Ghia, Type 3 & Kombi
- New & reco air-cooled stock 1600/1641
- New 1776/1835
- 1800 — 2ltr & 2 litre Vanagon
- 1.9 — 2.1 litre reco waterboxer motor with new cylinder heads

Factory 3/64 Oak Rd. Kirrawee NSW

Open 6 days

WWW.VEEDUBCLASSIC.COM.AU




NRMA

VETERAN VINTAGE & CLASSIC
VEHICLE INSURANCE

When it comes to Insurance, we'll take as much care of your VW
....as you do!

Competitive Premiums Agreed Value, Repairer of Your Choice, Retention of Wreck
Includes NRMA Plus benefits with every policy
Coverage Throughout Australia
NRMA Insurance Limited
ACN 000 016 722



388 George St Sydney 2000
www.nrma.com.au
1800 646 605



V-FORCE
www.BeetleRacing.com

Wheels
Suspension
Brakes
Spoilers

3A Hilly Street
MORTLAKE, 2137
SYDNEY AUSTRALIA
Ph: (02) 9743 1247
Fax: (02) 9702 5277
Mobile: 0408 991 247
email:
vforce@optusnet.com.au

- In some cases, the component plants are operating economically; others are far from reaching this target.

In view of the loss-making situation of the traditional German plants and intensifying competition in European and global automobile markets, the Board of Management of Volkswagen AG has decided on a thorough restructuring programme for the Volkswagen AG.

Pischetsrieder: "Our restructuring programme focuses precisely on the key problems we have identified. Rapid, determined action is called for in this area."

The key objectives of the restructuring programme are:

the elimination of productivity deficits, especially at the vehicle assembly plants;
full capacity deployment at the plants, including capacity adjustments where necessary;
more competitive personnel expenses;
a reorganisation of component production.

Over the next three years, up to 20,000 employees directly and indirectly involved in the activities of the Volkswagen Passenger Car Brand could be affected by the restructuring programme.

The methods to be used for achieving and implementing productivity and structural improvements have not yet been defined and will be a matter for negotiation. The Board of Management of Volkswagen AG stands by the collective agreement of November 2004. The target is to ensure the competitiveness of the Group and its employees. This is not possible with the current conditions. For this reason, Volkswagen aims to conduct negotiations with the Works Council and the IG Metall trade union rapidly with a view to finding the best way of reaching these two targets.

Volkswagen to Compete in 2007 Dakar Rally

WOLFSBURG, Germany - Volkswagen to continue its involvement in cross-country rallying and will compete in the Dakar Rally in 2007.



The Volkswagen factory team led by Volkswagen Motorsport Director Kris Nissen will contest the 29th running of the desert classic with a further developed "Race Touareg 2". At this year's "Dakar" the South African Giniel de Villiers and his Swedish co-driver Tina Thörner finished claimed an outstanding second position.

"With the 'Dakar' project Volkswagen has established itself in professional motorsport within a remarkably short space of time. We want to pursue this positive development still further and have therefore decided to announce our participation in the 2007 Dakar Rally early", explains Dr. Wolfgang Bernhard, Chairman of the Board for Volkswagen. "The Dakar Rally is an excellent platform in which to present the reliability, technical innovation and dynamic of Volkswagen in the toughest of competitions to a large section of the general public."

With immediate effect Volkswagen Motorsport Director Kris Nissen, who has been responsible for the Volkswagen brand's motorsport activities since June 2003, reports directly to Dr. Wolfgang Bernhard. Kris Nissen will coordinate the day-to-day business with Hans-Joachim Rothenpieler, the Director of Product Line E1.

"During the recent Dakar Rally we showed that the Race Touareg 2 has enormous potential. We will



DODGY BROS. BATTERIES

ABN 84 111 490 503 - PTY. LTD.



**360 Hector Street
Bass Hill NSW 2197
Ph: (02) 9644 9966
Fax: (02) 96456955**

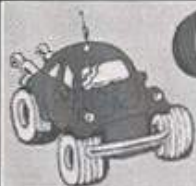
IMPORTED CAR WRECKERS

VOLKSWAGEN  BY IMPORTED

Ph: (03) 9547 2169 Ph/Fax: (03) 9547 5463



*Full workshop facilities
Service and Repairs
Specialising in dismantling the
full range of VW, early and
late
9 Booloora Road
Springvale Victoria 3171*



CUSTOM OFF ROAD

Modification P/L • Components P/L
VW Specialist since 1977

28 Hayward Street Stafford Qld. 4053

Ph: 07 3356 4356 Fax: 07 3356 6765

- VW servicing, repairs & modifications
- Kombi transmission kits
- Buggy Specialist • Max FX Beach Buggy kits
- Buggy chassis • IRS conversions
- Front & Rear adjusters
- Kombi transmission kits for Type 1
- Subaru conversions



www.customoffroad.com.au

for all you Vw merchandlse

KARMANN PROMOTIONS

We have a large range of VW merchandlse
- Models, Pillows, Aprons, Pens, Cards, Patches
- Badges, Stickers, Clothing, Key Rings
- Jigsaws, Cuff Links, Badges, Necklaces, Plugs
and many more

Check them out on our website
www.bradfordbadges.com

email - lisa@dezzanet.net.au

Call 03 9583 5626

or come down to the shop and see our

VW ROOM

at

Bradford Motors Garage
14 Station Road,
Cheltenham, Vic, 3192





VfL Wolfsburg Have New Shirt Logo

The professional footballers of VfL Wolfsburg will go into the second half of the Bundesliga season with the Volkswagen TSI logo on their breast. TSI stands for the new VW engine, the world's first direct injection spark-ignition engine to employ both compressor and turbocharger, and which is being installed for the first time in the Golf GT. The three letters will be

now push the development forward in logical steps", say Kris Nissen. "We made significant progress before the 'Dakar' in January. In the following eleven months fine tuning will be our main priority, which is not only related to engineering but also in the areas of logistics, preparation and team organisation."

In addition to the comprehensive test schedule, Volkswagen will contest selected rounds of the FIA Cross Country Rally World Cup and the FIA Cross Country Rally Baja Cup during the 2006 season. "Drivers and co-drivers will be announced during the forthcoming weeks and months", says Kris Nissen.

By finishing second overall in this year's Dakar Rally, which finished after 9043 kilometres on 15 January in the Senegalese capital city, with the Race Touareg 2 crewed by driver/co-driver team Giniel de Villiers/Tina Thörner (South Africa/Sweden), Volkswagen recorded the best ever result for a diesel vehicle in this cross country rally and a German automobile manufacturer since Porsche won in 1986. Volkswagen scored five stage victories – four were credited to Carlos Sainz/Andy Schulz (Spain/Germany) and one by de Villiers/Thörner – and held the 2006 Dakar Rally overall lead for five days.

In addition to the cross country rallying programme and its involvement in the Dakar Rally the Wolfsburg based automobile manufacturer also organises the ten-round ADAC Volkswagen Polo Cup which runs as part of the DTM (Deutsche Tourenwagen Masters) support programme.



seen for the first time on the VfL shirts during the away match against Borussia Dortmund. In their remaining games, Wolfsburg hope to turn the clock back to the first half of the 2004/2005 season, when they played in GTI shirts and for a time were top of the Bundesliga table.

"As principal sponsor, we aim to do all we can, which includes the new shirts, to ensure that VfL Wolfsburg can play successfully and pick up momentum in the second half of the season," explains Jörn Hinrichs, Volkswagen Marketing Manager with reference to the successful GTI campaign in the Bundesliga last season.

TSI® combines the two forced induction concepts, compressor and turbocharger, in a direct injection spark-ignition engine. This engine, extremely powerful yet extremely economical, unites the traditional strengths of both diesel and spark-ignition engines. The "twincharger" is celebrating its premiere in the new Golf GT, which will be launched in February. The 170 bhp TSI engine has a fuel consumption of just 7.2 litres for 100 kilometres.

TUNING SPECIALIST

For all late model
VW & Audi



EURO AUTOMOTIVE

ABN No: 64 327 311 420

24 Wintaroo Crescent, St Helens Park, NSW 2560

Proprietors: Sebastian Najder and Michelle Cosgrove

0410 541 322

Peakhurst auto electrical services

Auto Electrical
All Mechanical Repairs
Automatic Transmissions
Air Conditioning

SPECIALISING IN SERVICES
AND REPAIRS OF



123 Boundary Road
Peakhurst, NSW 2210
Phone: 02 9533 2595
Tel / Fax: 02 9533 3151

Classic

BRITISH & GERMAN

Accessories, Carpets, Trim for Prestige,
Classic, Vintage & Veteran Cars

Kas Vandenberg
John Pisani



- Carpets
- Vinyls
- Hooding
- Wool Cloth
- Seat Pads

- OEM Materials
- Trim Clips
- Head Liners
- Accessories
- Recaro Fabrics



Ph: (+612) 9546 7593 Fax: (+612) 9547 3418

classicbg@bigpond.net.au

1/247 West Street
Carlton NSW 2218

"No Bugs
just Beetles"



Alpha dot net Australia. Pty Ltd.

Classic Internet Service Providers:

9211 7782

Here and now!

Classic VW

Importers to the Pacific Region



- AUSTRALIAN DISTRIBUTORS FOR CREATIVE ENGINEERING
- SCHOFIELDS RESTORATION PANELS FOR BAY & SPLIT BUSES
- STREET STYLE & POWER
- VW HERITAGE PARTS
- WHEELS • RADARS, EMPI, BRM REPROS, MIDLAND, JGE and many more
- ACCESSORIES FOR POP TOP CAMPERS
- US SPEC BUMPERS
- SAFARIS
- DELUX TRIMS
- RUBBERS
- POP OUTS
- ROOF RACKS

OUTLETS AUSTRALIA WIDE
SUPPLIERS TO THE TRADE
For all your restoration and accessory needs

Call: 07 5535 4427

or

0421 765 600

Email: ClassicVWpacific@aol.com



European Service & Tyre Centre

Sydney's newest Service & Tyre Centre
We offer a complete range of Automotive Services in our new 1600m2 State of the Art Facility including :

- *Scheduled Servicing
- *All Mechanical Repairs / Fault Finding
- *Pink Slips / Pre-purchase Inspections
- *Car Wash / Detailing
- *Paintless Dent Removal
- *Brakes + Tyres + Wheel Alignment
- *Courtesy Cars available

Audi / VW Factory Trained Technicians
Specialists for over 10 years in European and Prestige vehicles.

21 Hotham Parade, Artarmon NSW 2064

Call Milan

Tel: (02) 9436 3668

Fax: (02) 9437 6888

Email info@tcca.net.au

www.tcca.net.au

ALL METAL BUMPERS

SPECIALISING IN COPPER BASED
BRIGHT & SATIN CHROME



- Bumper Repairs
- Metal Polishing
- All forms of Plating
- Competition & Show Finish

Peter Notley 0438 765 097

Phil Richards 0438 765 098

Unit 1/17 Memorial Avenue Ingleburn

OVER 30 YEARS EXPERIENCE



German Parts for all Air & Water Cooled Volkswagens



All Bug & Mechanical Repairs



Fully Re-conditioned Gearboxes



www.vwking.com.au

call Dr.Moshe

ph/fx: 02 9534 1077

Unit 1 / 148-155

Bonds Road

Riverwood NSW 2210



KombiR Rescue

pure expertise, pure volkswagen

Stephen Muller
 16 Whites Ridge
 Annangrove 2156 NSW
 M 0400 356 057
 F 02 9679 0302
mullervw@ozemail.com.au

NULON
Australian Engine Oils
With a Difference
 Good enough for this engine,
 good enough for your VW.

UP TO **39%**
 less friction
than other quality engine oils

Visit www.nulon.com.au or
 phone 1800 679 922 for your nearest stockist

HACCP AUSTRALIA PROGRAM ACCREDITATION

Pest Control Made Easy

CONTROLS:

- Weevil Moth
- Flying Insects carrying Fungal & Viral diseases
- Nut Boring Moth
- Sparid Fly
- Fungus Gnat
- Vinegar Fly
- Indian Meal Moth
- ...and more

NO BUGS
BUG EATER

No Bugs Sydney
 Caro 0427 311 047 — Ivy 0411 435 935
 P.O. Box 3051 Bilpin NSW 2758

WATERLESS CAR WASH™

DRI WASH 'n GUARD®

UV Protective Treatment

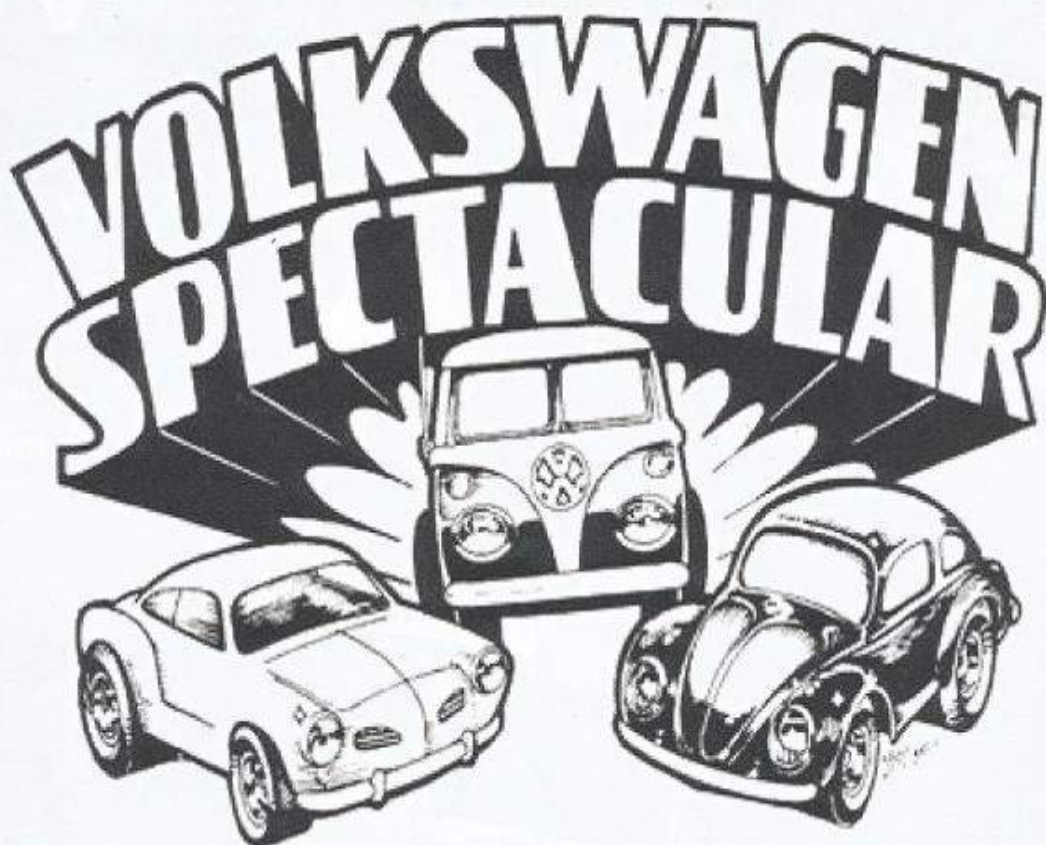
MOBILE CAR DETAILING

Get your car detailed inside and out
 at your convenience
 with a **SHOWROOM SHINE**
 Any Where Any Time

✓ Clean ✓ Seal ✓ Polish ✓ Protect
 Without using a single drop of WATER

Call for a **FREE** Demo & Quote
 M & R Mobile Car Care
 Robert: 0405 800 156

WE COME TO YOU



Valla VW Show
4th-7th Aug, 2006
02 65 695203

donna501@bigpond.com
www.vwparts.com.au

Australia's Only Air & Water Cooled VW Mag! **VWNA**

VWNA

May-July '06
Issue 10

\$7.95
incl GST

Magazine Australia



BAJA ROUND-UP



Classic Ute

the tradesman's best friend....

ALSO in this issue ... • **HOT BUG WA** • **DUBS BY THE SA SHOW**

ISSN 1449-1699



771449 169009

ISSUE#10 ON SALE 5TH MAY 2006
WRITTEN BY VW ENTHUSIASTS FOR VW ENTHUSIASTS



- ▼ Car interiors
- ▼ Leather work
- ▼ Clothing
- ▼ Car bras
- ▼ Specialising in custom fabrication




Call Stuart Morris
02 9789 6331
0418 978 155

www.ironcrossdesign.com.au

Artemi's T-Shirts

**ONE OF THE
FAMILY**



 Volkswagen

Contact Artemi on 0415 163 313
or
E-mail kimetra77@hotmail.com

Aussie VeeDubbers

If you have a computer with internet access you can join the hottest VW online community in the country.

Just go to
aussieveedubbers.com
to find out what all the fuss is about.

Includes great 4 sales,
all sorts of technical tips,
Learn about coming events
& lots more

You can visit the
Aussie Veedubbers stand at the
VW Nationals, right next to the Club
VeeDub stand

 Defender Safety Pty Ltd.

2 / 27 Prime Drive Seven Hills
NSW 2147

Phone 9838-8986

Fax 9838-8981

www.defendersafety.com.au

- Footwear
- Clothing
- Eyewear
- Gloves
- Hearing
- Respiratory
- Gas Detection
- Height Safety
- First Aid
- Signs



Flat Four Vee-Dub Club of Sydney proudly presents
The Premier VW Indoor Event

THE ALL VW SHOOTOUT

5th November 2006

The Michael Wendon Centre, 62 Cabramatta Avenue, Miller

All VW types, air cooled and water cooled are invited to enter. Trophies will be awarded in a wide range of categories. Pre entry is highly recommended - \$30:00 including 2 adult admissions. Normal entry \$40:00 including 2 adult admissions. Kids are free. Show opens to public at 9:00 am, all entrants to be in place by 8:15 am.



Entrants, sponsors and dealers
can contact:

Murray 02-9618-2205 (ah)
or e-mail: info@flatfour.org

Further info and pre-entry forms
will be posted on:
www.flatfour.org
and
<http://forums.aussieveedubbers.com>



Q8 Oils

Q8 Oils promote fuel efficiency, low emissions, superior performance and protection for passenger vehicles. They are tested and approved by the world's leading independent bodies such as ACEA (Association Of Construction Of European Automobiles), API (American Petroleum Institute) and OEM'S (Original Equipment Manufacturers) such as Volkswagen, Audi, Volvo, Ford, Rolls Royce, Porsche.

Our Company Super Roo NSW is an authorised distributor for Q8 Oils. All our vehicles, Volkswagen of course, run on Q8 Oils. We have certainly noticed the difference in performance and have saved in cost.

Next time your VW is due for a service call us and we will let you know what is the recommended oil type and we will be glad to give you a quote and guide you to the nearest stockist. I am sure you will be pleasantly surprised at what Q8 Oils can save you.

Super Roo NSW

Tel - 02 4684 2833

Fax - 02 4684 2844

Email: Superroosw@gmail.com



FOR ALL YOUR WATERCOOLED VW NEEDS

SPARE PARTS

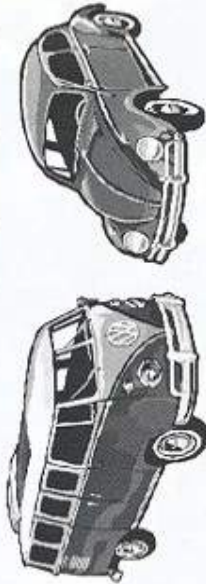
GTI IMPORTS

*Golf, Polo
Transporters
& Audi*

Shop 5/32 Galston Rd, Galston
Ph: 9653 1114 Fax: 9653 3114
gti.imports@bigpond.com

Volkswagen and Audi owners -

With compliments from Vintage VeeDub Supplies



why not join...

Club VeeDub Sydney Inc.

Australia's premier VW/Audi owners' club!



The legend never dies

For information call David on (02) 9534 4825
Bob on (02) 4655 5566

We welcome owners of all VWs and Audis, old and new. If you own a:

- Beetle / Superbug / Cabriolet
- Country Buggy
- Kombi / Transporter
- Karmann Ghia
- Type 3
- Type 4
- Golf 1, 2, 3 or 4
- Passat 1, 2, 3 or 4
- Polo
- Audi (any model)



We can help you look after it and enjoy it!

Club VeeDub is on the Internet!



www.clubvw.org.au

Or you can Email us at:

webmaster@clubvw.org.au



YEAR	TYPE	MODEL	ENGINE SIZE	REGO NO.	COLOUR

Tell us about your VWs and Audis!

Please enclose cheque or money order for \$40.00, payable to Club VeeDub Sydney Inc., and post it with this form to:
Club VeeDub Sydney Inc.

P.O. Box 1135
Parramatta NSW 2124

About Club VeeDub Sydney

Do you own a Volkswagen or Audi? Have you had trouble fixing it, or finding a decent VW mechanic who can? Maybe you'd like to restore your classic VW, or what about hotting it up instead? No matter what your VW need is, Club VeeDub Sydney can help you!



Club VeeDub was formed in 1985 to cater exclusively for VW and Audi owners. We're Australia's largest VW/Audi club with members in every state and overseas, but we're based in Sydney. Our logo shows this - the Sydney Harbour Bridge combined with VW's Wolfsburg Crest.

Club VeeDub is dedicated to keeping as many Volkswagens on Australia's roads for as long as possible. We aim to do this by helping owners maintain their enthusiasm and love for their VWs, because as we say, The Legend Never Dies!

Why Join Club VeeDub Sydney?

Firstly, as a Club VeeDub member, you'll receive discounts on parts and service from all recommended workshops and parts outlets. Just show your club card! Your membership fee can often be recovered by the savings on your next service.

You'll receive a monthly copy of our club magazine, *Zeitschrift* (that's German for 'magazine'). It's full of the latest VW news, tech tips, how-to articles, history, humour and all sorts of good stuff for the VW fan. It's the most readable VW magazine in Australia.

You're not required to attend meetings, nor participate in any way if you so desire. You can, if you wish, simply accept the benefits we have to offer with no obligation.

However, for the enthusiast we provide

a wide range of other benefits and activities.

If you have a VW older than 30 years and you don't drive it much, we can offer you Vintage Registration to save you an enormous amount on your annual rego bill. Your VW will also look great on its Vintage Rego plates.

You're welcome at our monthly meetings, which are informal and good fun. No 'moving the motion that the minutes be seconded' stuff! There's raffles, quizzes, films, talks and other cool things. Members can borrow VW books, videos, manuals, brochures and magazines from our extensive club library - for free.

Need that special tool to fix your VW? We have an large range of VW factory tools and special fittings you won't find anywhere else, all free to members. We also have many contacts in the VW trade who are happy to offer you free technical advice on restoration, modification and any other VW matter you could think of.

You'll also be welcome to any of our cruises, show days, swap meets, social events, drag days and other events for the VW nut. We also host the VW/Audi Nationals, Australia's premier VW/Audi event, every Easter.

Benefits for Club VeeDub Members

- Club VeeDub member card for discounts on VW parts and service
- Free monthly issue of *Zeitschrift*
- Professional advice on VW restoration, modification and service
- Free book, magazine and video library
- Free VW tool lending library
- Vintage Registration for 30 year-old VWs
- Non-boring, entertaining meetings with heaps of prizes and laughs
- Enjoyable social events throughout the year
- The VW/Audi Nationals

Membership form

New Member: (tick one)

Renewal:

Name:

Address:

State:

Postcode:

Phone:

BH AH

Occupation:

Are you a licensed mechanic, either active or retired? Yes No

How much of your own mechanical work do you do? %

Which of the following activities are you interested in?

Cruises and Observation Runs	<input type="checkbox"/>
Show n Shines, Concours	<input type="checkbox"/>
Social days and/or nights out	<input type="checkbox"/>
Swap Meets	<input type="checkbox"/>
Drag or track racing	<input type="checkbox"/>
Meetings and tech talks	<input type="checkbox"/>
Other: (you tell us !)	<input type="checkbox"/>

Email address

Golf Turbo Diesel drives you further.



The fuel efficient Golf TDI from only \$27,990.*

Volkswagen's unique Pumpe Düse diesel technology uses only 5.5 litres of fuel per 100 kilometres enabling you to travel up to 1,000km between fuel stops¹. So with wallet draining petrol prices, a fuel efficient car like the Golf TDI is even more appealing. The fact it also has a turbo diesel engine with 250Nm of torque, 6 airbags, climatic air conditioning, a 6 speaker CD player, ABS and traction control well, that's just a bonus. Contact your nearest Volkswagen dealer to arrange a very economical test drive today.



Aus Liebe zum Automobil



We are family.

Introducing the extended Volkswagen Commercial Vehicle family. From the big LT Mega Van to award winning Transporter T5 to the class leading Caddy Van. See your nearest Volkswagen Van Centre to check the family out.



Commercial
Vehicles