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DIESEL TORQUE



**Official Magazine of the Association of
Australasian Diesel Specialists Inc.**

EDITION FORTY-SIX

JUNE 1996



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EDITORIAL

Congratulations to the executive officer Don Blanksby and staff, and the West Australian convention committee for the great job in organising the Perth convention. It was a terrific convention in all respects and the feed back from members has been first class. Take a bow for a job well done.

Although the theme for the convention was SERVICE, the Bosch, Lucas, Diesel Research, and Rankin Automotive exhibitions showed clearly the direction our industry is taking, with electronics, computers, and computerised test equipment becoming essential tools for the successful operation of our businesses. A computer with CD ROM capability will be the only way to access future test plans, parts lists, and service information supplied by the manufacturers. Be warned, you must start preparing for the introduction of this equipment into your businesses now!

This brings me to the next point I wish to make, TRAINING. With the introduction of electronically controlled Diesel and Petrol injection systems, the need for training on these systems and the test equipment, is absolutely essential for you and your staff to be able to perform the repairs, professionally and efficiently, so as to retain your customer base and business profitability.

AADS President, Doug Riley, and members of the board, are committed to the completion and implementation of the AADS training and certification programmes, so much so that the theme for next year's convention in Darwin is TRAIN TO RETAIN. We believe that the Association members, the manufacturers and the Australian education system, must all work in a concerted and co-ordinated effort, to achieve the ideal of training and retaining our staff at all levels, so that they can enjoy a satisfying career path in our industry. Give serious consideration to employing an apprentice to secure the future of our industry, for unless we train the next generation of technicians now we may not have a future to look forward to.

Mick Rankin
EDITOR, DIESEL TORQUE
AADS INC.

PRESIDENT'S REPORT

Firstly I would like to thank the current board for the vote of confidence in appointing me to the position of President until the next election due in Darwin at our next convention.

I have some big boots to fill as the effects of Stuart Walton's administration are now starting to have a profound effect on the future of our Association. Stuart's major restructuring has created a much leaner and more reactive board that I know is already creating a change in direction for the future.

Stuart may have retired from the job but when I last saw him, he was up to his neck in grease trying to do a compression test on an old Nissan SD33 patrol. I am sure I can say we wish him well with his future at Total Fuel and thank him for his solid contributions.

(Continued on Page 2)

AADS Board of Management

President.....Doug Riley
Board Members
VIC./TAS.Mick Rankin
N.S.W.....Ken Scott
S.A.John Brook
QLD.....Vonnie Merritt
W.A.John Moir
N.Z.Mike Hurley
Executive Officer.....Don Blanksby

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PRESIDENT'S REPORT (cont.)

On Association matters, we have had a very important TECC meeting in Adelaide and we have completely restructured our training policy. At all three levels of training (Apprenticeships, Traineeships, Post Trade training and OEM/Distributor training) the Association will be playing a significant role. The major task is to increase our available training modules from 4 units to 10 and to register the Association with the relevant authorities as a qualified and recognised training facility.

I welcome aboard to the TECC committee Mr. John Moir, Mr. Peter Pocock and Mr. John Brook. All of these members are already making major contributions to our training objectives.

Mr. Don Blanksby and myself travelled to Darwin in May and we have finalised most of the infrastructure for the 1997 convention. The convention will be held at the Plaza Hotel in Darwin and will be later than normal in the month of May. The theme of the convention will be "Train to Retain" and in keeping with this theme we propose to have working training exhibitions at the convention. The social side of the convention will be very much into 'Australiana' and our outback setting. The local committee of Brian Agostini and his wife, Russell Sansom and Essie Brooks are doing a great job to ensure we all have a wonderful social time in Darwin.

The Association board recently met in May in conjunction with a New South Wales branch meeting in Sydney. It was a very positive meeting that was not highly attended as Bosch had a dealers meeting on the same weekend. However, local branch members gave a strong endorsement to the current changes being implemented. One of the highlights of this meeting was an excellent technical forum and all other branch chairpersons are to include this as part of all branch meetings in the future. I look forward to an exciting year in the chair as President and I will be attending the New Zealand branch mini convention in September and hope to make acquaintance with all our New Zealand members.

Doug Riley
PRESIDENT
AADS INC.

VICTORIAN/TASMANIAN BRANCH REPORT

The first Branch meeting for 1996 was held at the Carlton Football Social Club on Wednesday 5 June. Twenty eight members enjoyed an excellent three course meal before the meeting and a total of thirty seven attended the meeting commencing eight o'clock.

Without doubt this was one of the most informative meetings members have attended. The Chairman spoke to the meeting on the work being done by the National Board and the TECC committee in setting a direction and agenda in Association management, Convention preparation and Training for Apprentices in the Diesel Fuel Injection industry.

Our two guest speakers for the night were, Mr. Greg Walsh, Executive Manager for Automotive Training Victoria, and Mr. Peter Ryan from The John Batman Institute of TAFE, who provided a comprehensive overview of the requirements and steps necessary to achieve government recognition and funding, with the content the courses will need to encompass. Both speakers emphasised the importance of the fuel injection industry showing their complete support for this Apprenticeship style industry training programme, and welcomed any help and input from the industry.

Retired Bosch general manager, Ken Hargrave was a welcome guest at the meeting, and was presented with a Certificate recognising his Honorary Membership of AADS, and his contribution to the industry, by Chairman Mick Rankin. Ken thanked all present and said how much he enjoyed talking to old mates, and meeting with the new generation of Diesel Specialists.

Terry Brain
SECRETARY/TREASURER VIC/TAS
AADS INC.

W.A. BRANCH REPORT

The Chairman and Vice-Chairman are in the process of organising a meeting for July. This will be a lunchtime Saturday meeting which will be a first for W.A. It is hoped to incorporate a Mini Expo. This is aimed at the tradesmen and apprentices that work on the shop floor.

Special tools and measuring equipment that is now available will be demonstrated to help make their job easier. We also hope to find a guest speaker, which will then open up into a technical forum.

EMISSION TESTING

Recently the idea of sub-contracting out vehicle inspections has been announced by the W.A. Government.

This would be an ideal time to approach the Government about emission testing at the same time, i.e. a vehicle check incorporating a compulsory emission test.

John Moir
CHAIRMAN W.A.
AADS INC.

NEW ZEALAND BRANCH REPORT

The convention in Perth is now a good memory. There were seven service members from New Zealand and a total of thirteen New Zealanders at the convention. The social calendar was busy over the weekend as were the business sections and everybody from New Zealand that attended has told me they had a most enjoyable and informative weekend.

Our New Zealand members are looking forward to the training information that is due out for the courses to be held in Melbourne DB2 and DPS. I will give this a good push when the information comes to hand.

We are hoping to run some more exams as soon as we can get some more exam papers over here.

The dates have been set for our National Conference in September. This will be in

NEW ZEALAND BRANCH REPORT (cont)

Auckland at the Downtown Novotel on the 27th-29th. A busy weekend is planned both business-wise and socially.

Mike Hurley
CHAIRMAN N.Z. BRANCH
AADS INC.

SOUTH AUSTRALIAN BRANCH REPORT

On the 28th of April the S.A. branch held its Golf fun day. Many thanks to Keeps Car Parts, Bosch, Nippondenso, Southcotts P/L., Coca Cola Amatil, and Adelaide Fuel Injection for their sponsorship and support in supplying a great array of prizes and cool refreshments, making the day such a wonderful success.

The results of the competition were, First in A grade ladies, Geraldine Brook, with the runner up Marie Rudloff. In the men's A Graham Leonard was first with Brad Paech runner up, and Darren Winter coming third. In B grade we had a tie between Gordi Donaldson and Hans Carls for first place, with Barry Norville second and John Brook coming third. Ian Briggs won the prize for the straightest drive. Brad Paech and John Brook shared the prize for nearest the pin, with Darren Winter coming in second.

Novelty events of teeing off standing on a tyre, or hitting a golf ball from a waist high tee, added to the enjoyment of the day. When asked how many golf balls he had lost on the day, Don Wilkey replied that it is his life's ambition to lose a golf ball.

Thanks to Brad and all who helped make the day the great success it was.

John Brook
CHAIRMAN S.A. BRANCH
AADS INC

QUEENSLAND BRANCH REPORT

We are well into 1996 but the economy doesn't seem to have improved. There have been a number of reports of price cutting

(Continued on Page 4)



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QUEENSLAND BRANCH REPORT (Cont)

and also a lack of professional ethics. Whilst I recognise the problems facing our industry, may I encourage you all to maintain the highest possible standards in all your dealings both with customers and competitors alike.

It reflects badly on our industry as a whole if only one or even a few members lower standards for any reason whatsoever.

The response to our DPS and Stanadyne schools has been excellent and I hope all members attending gain much from the courses and each other.

Our next event on the calendar is the June meeting in Cairns which promises to be a great weekend for all members taking the time to become involved.

Don't forget to reserve November 23rd for our AGM and Christmas breakup at Novotel Twin Waters, Sunshine Coast.

Vonnie Merritt
CHAIRMAN QLD BRANCH
AADS INC.

NEW SOUTH WALES BRANCH REPORT

Our last meeting was held in Parramatta, Sydney on Saturday 18th May, 1996. This meeting was changed from the 25th May to coincide with the national executive meeting. Unfortunately, the 18th May then clashed with a New South Wales Bodac meeting, obviously some members involved with Bodac were unable to attend the AADS meeting. Please accept our apologies, our national committee will in future liaise with state secretaries to avoid this sort of problem.

Twenty six members including some members of our national board attended the meeting. The resurrection of the board attending state branch meetings is to be applauded. It is essential that all members meet the people that run our Association. President Doug Riley addressed members present. He stated that three hundred and thirty nine people attended the convention in Perth. This continuing growth of convention attendance could pose future problems regarding hotel accommodation



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NEW SOUTH WALES BRANCH REPORT (Cont)

and available exhibition areas. The 1997 convention will be in Darwin and the theme will be "Train to Retain". This applies to your customers, business and staff. Dismantling and 'hands on' seminars will be a feature in Darwin. Doug requested that members with ideas for future seminars, types of exhibits or OEM involvement with our conventions should contact their respective state committee. It's called 'getting involved'.

Doug also addressed our meeting on the following subjects:-

Future emission controls, training modules.
New import duty proposals, relating with OEM's.

Members support to our Association, basic remove and refit training for your local engine repairer.

Details will be in our minutes to be distributed shortly.

John Moir (Bunbury Fuel Injection, Western Australia) spoke to members on fresh ideas on a 19 point plan for future training

courses. OEM's to train our trainers. These trainers will be recognised by Bosch and government departments. VE courses could be revised due to input from Bosch. AADS will run apprenticeship training.

Next New South Wales meeting will be in Parkes **NOT** Orange (this change was approved by members present) on Saturday, 24th August, 1996. Alistair Weller is concentrating on itineraries to visit local gold mines, telescope etc., and ladies tour to Cowra. Put this date on your calender **NOW** and make a special effort to be there.

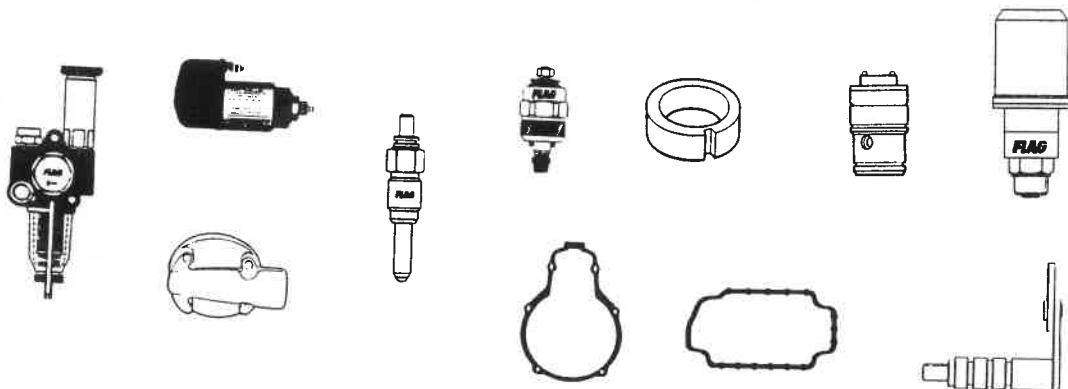
Les Gordon
NEW SOUTH WALES
SECRETARY/TREASURER
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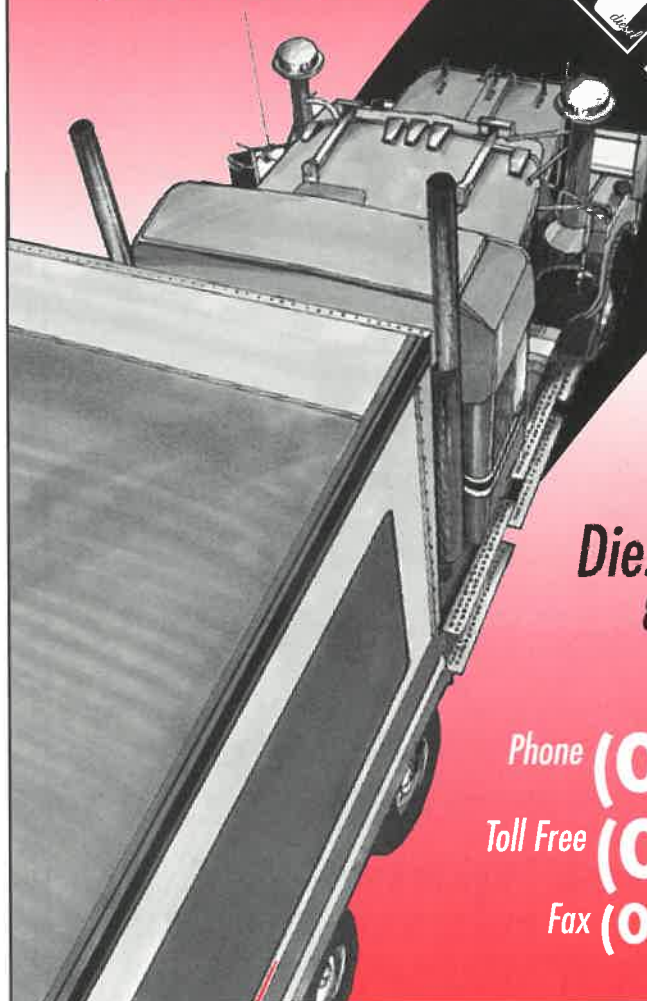
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TECC COMMITTEE REPORT

During the recent TECC committee meeting, held in Adelaide, President Doug Riley said that in view of the changes taking place in OEM dealership structures, there was a growing need for the Association to state its policy and intentions to cater for the needs of its members, and in particular in the area of training and certification. To this end and following extensive discussions by the committee members present, the following policy recommendations were agreed upon.

Apprentice Training

That AADS continue with its work with the relevant bodies of government and TAFE to complete the implementation of a co-ordinated and accredited national training scheme.

That an Apprenticeship or trainee equivalent will encompass in the first two years the electives selected by AADS from the National Heavy Stream Syllabus.

That the third year will be stream specific to the diesel fuel injection trade, based on the AADS fuel injection modules.

AADS to be registered as a private provider with Victorian Office of Training and Further Education.

AADS will be the issuer of an official trade certificate recognised throughout Australia.

Post Trade Training

AADS to continue to develop training modules in conjunction with the OEMs and TAFE for the further instruction of members and their staff.

These modules to be developed to the Level 4 certificate Post Trade.

AADS to continue assist trainers within the TAFE system to be qualified to present the Post Trade Training Modules.

Certification Policy

AADS to continue to make available examinations and certification to Technician and Senior Technician level to AADS standards.

Proposal for OTFE funding

A project tender to develop the Certificate III in Automotive Diesel Fuel Injection has been submitted to OTFE for approval by Greg Walsh, Executive Manager of Automotive Training Victoria. Once the approval is obtained it will only be a matter of a few months before the Automotive Diesel Fuel Injection Apprenticeship will be up and running in Victoria. Hopefully in a short time after its introduction in Victoria it will receive National Accreditation, so that

all Members will be able to have training for their apprentices.

Automotive Industry Training Board Certificate Levels

Level 1 Certificate will be conducted in years 8, 9 and 10 as Automotive studies in Secondary and TAFE Colleges.

Level 2 Certificate will be the first year of the Apprenticeship and year 11/12 studies at Secondary and TAFE Colleges.

Level 3 Certificate will be the first two years of the Apprenticeship.

Level 4 Certificate will be post trade AADS training.

Level 5 Certificate will be the OEMs training for their Service Dealers.

Mick Rankin
CHAIRMAN TECC
AADS INC

TECHNICAL TOPICS

1. Auto advance piston ball blow out on VE pumps.
 2. VE rollers, pins and cam disc — short service life.
 3. Trouble adjusting and setting RQV — MV governor. Apparently a Cummins modification and information not passed on to Bosch dealers. Any answers?
 4. Trouble experienced with non genuine Simms elements, would calibrate correctly but tractor would not perform and deliver power. Fitted genuine Simms elements and problems disappeared. Also problems with non genuine shoes and rollers.
 5. EP9 pump fitted to Cummins. Bolts holding centre bearing in place broke and owner noticed oil leak. Suggest always replace and not over tighten.
 6. Isuzu filter (genuine) written on filter, use Ryco number.
 7. New Toyota landcruiser, 4000km attracted ticket for smoke. Isuzu 4 ton truck, 5000km ticket for smoke. Volvo F10 TD100B engine ticket for smoke. MAN Coach 342hp engine, pump serviced, set on low specifications, injectors meet Bosch standards, two tickets a week apart for smoke. Can AADS approach OEMs? EPA appear unreasonable.
 8. Want DP15 parts? Contact Pat Umback at The Rock Tractor Service.
 9. VE pumps. Roller ring worn into pump housing very badly. Any help on this?
- Alistair Weller

PRESS RELEASE

On Wednesday, 22 May 1996 the Automotive Division of Atkins Carlyle Ltd. launched its new name and logo to the automotive aftermarket industry.

Effective from 1 June 1996 the division will operate under the name of Carparts, thus giving the business a true national identity. Atkins Carlyle in the past decade has been aggressively on the acquisition trail, which has seen it acquire industry icons such as Keep Bros & Wood, Bennett & Wood, Elphinstones and Better Brakes to name just a few. These businesses and all other automotive acquisitions will now operate under the Carparts banner to become the most dynamic automotive aftermarket distribution business in Australia.

"The new name is clean and simple and leaves no doubt as to what our line of business is", said the newly promoted Managing Director, Jim Flaherty. "From Sydney to Perth, Hobart to Darwin, Carparts is a national business that pledges to provide high levels of customer service and support to meet the ever increasing demands of the industry. We are all very excited about our new name and logo and look forward to many successful years under our new banner."

VALE: GEOFF DUTTON

Geoff Dutton of Central Diesel, Orange, New South Wales, passed away on Thursday 16th May, 1996. Geoff did not survive an aneurism operation.

A one minute silence was held in respect for Geoff at the recent New South Wales AADS branch meeting.

Our most sincere sympathy is extended to Geoff's family and wife Maxine. Geoff will be sadly missed by all his friends from AADS.

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LETTER TO THE EDITOR

Dear Sir,

In response to the well founded, critical editorial in March 1996 issue, one must agree that the majority of us are rather unresponsive to the efforts of our honorary office bearers. These people deserve congratulations for working, with no remuneration, on behalf of members, to promote, refine and consolidate an organisation the like of which does not exist in Australia. They have created something! Ponder their achievements:- Diesel Torque, technical training programmes, conventions, technical meetings. Thanks to the Association founders and those who follow on, this is no mean achievement. We should be proud of these people and proud to be members of what might be a great Association if only we stopped criticising, cheered their efforts and contributed more to help.

Frank C. Chandler
AADS Service Member

DIESEL NEWS

Perkins Unveils New Name, Three-Cylinder Engine.

Perkins has changed its name to Varity Perkins to more closely link the company to its parent, Varity Corp. The change is part of a unified corporate identification program and Varity's other businesses are adopting similar names. A high percentage of the 45,000 Perkins engines entering North America are marketed by Detroit Diesel Corporation.

Varity Perkins has also announced the availability of a new three cylinder engine to the North American market. The engine, known as the 900 series, is based on the Perkins 3.152. The 900 series is said to use 5% less fuel, be 10% more powerful, run 50% quieter and be free of visible smoke. The 900 series engine will use the DP202 Lucas rotary fuel injection system.

FOUND AT THE PERTH CONVENTION: One camera lens cap — Minolta — about 5mm in diameter. Contact the AADS Office (03) 9536 3121

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CONVENTION SEMINARS



Barry Woollett delivering the presentation on the Lucas Epic Pump



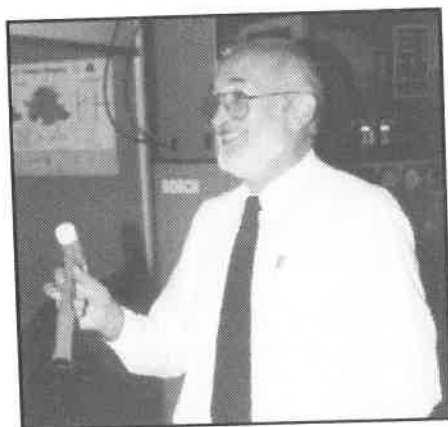
Darren Jenkin presenting the Nippondenso Seminar on Service



Mahmood Hussein Holset Engineering delivering the Holset presentation



Director Bob Bentley delivering the Stanadyne Seminar



Horst Schnabel shows members the latest Bosch Service Tool KDEP0410E



Members are wondering if they will have the ability to use the latest Bosch Service Tool



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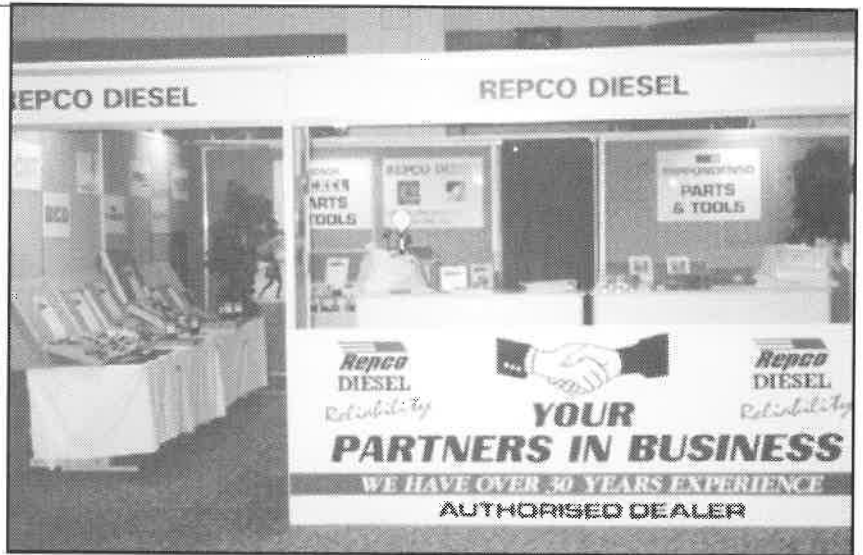
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CONVENTION AWARDS



Horst Schnabel with President Stuart Walton receiving the Inaugural Lance Hosking Memorial Award for Services to the Diesel Industry.



The Award Winning REPCO Exhibit



Peter Rashleigh and Craig Clark with Mike Hurley, DSL, Les Gordon and Alan Comey, REPCO, with the Nippondenso DIS Awards.



Les Gordon and Andrew Bottle with the Nippondenso Distributor of the Year Award. REPCO have won this award three times since 1993.



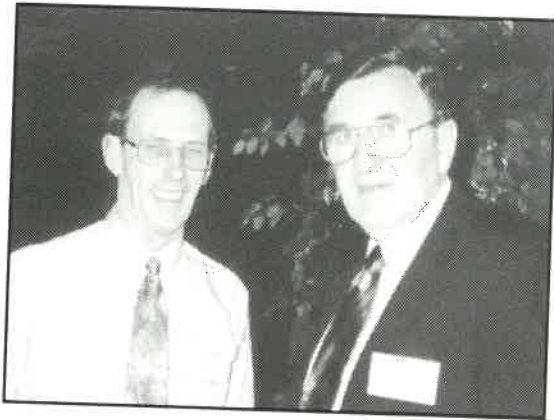
Alan Comey holds the Best Exhibition Award for all to see, REPCO have won this award twice.



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Alistair and Arthur a 2/1 on double at the Perth Convention



Please accept these flowers Arthur say Moira Watt and Don Wilkey look on.



Wendy Riley makes her point to husband Doug at the Nippondenso welcome dinner.



Doug Riley thanks Senator John for Officially Opening Convention



Dave Rankin and Karen Van Sanden announced their engagement in Perth. They met at the Melbourne Convention in 1995.



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President Stuart



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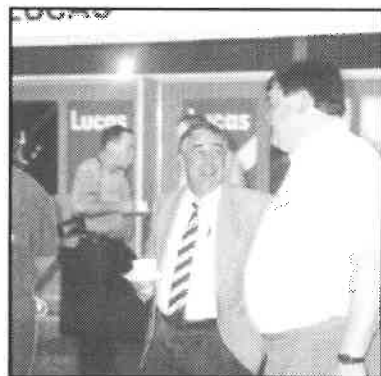
Above Right:
is dancing or
some tribal
initiation
ceremony?

wise men.
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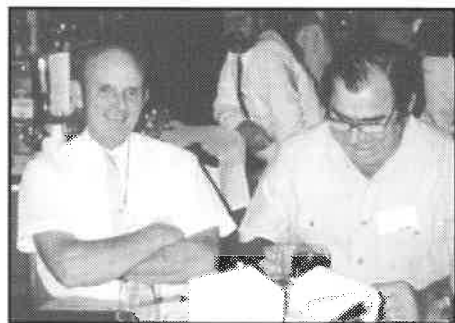
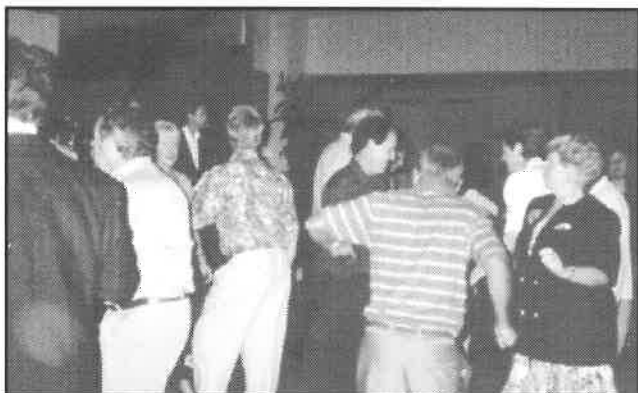
Right:
Members enjoy
morning tea in the
exhibition area.



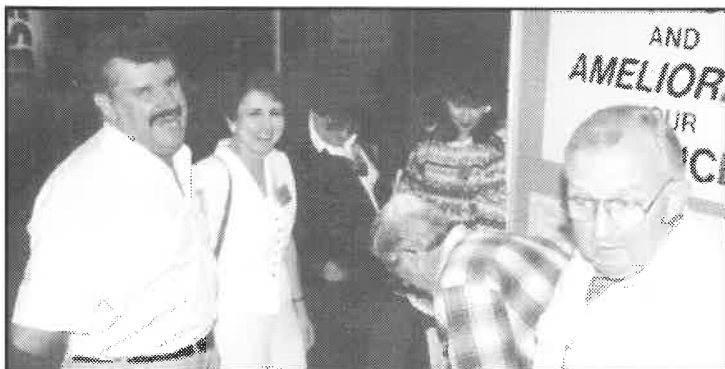
Below:
Maryanne Moir, Shirley
Pusey, John Nicholls
and John Brook, kicking
the heels up at the
Friday Dinner Dance.



Jim Lister and Peter Malo discuss
Lucas Service.



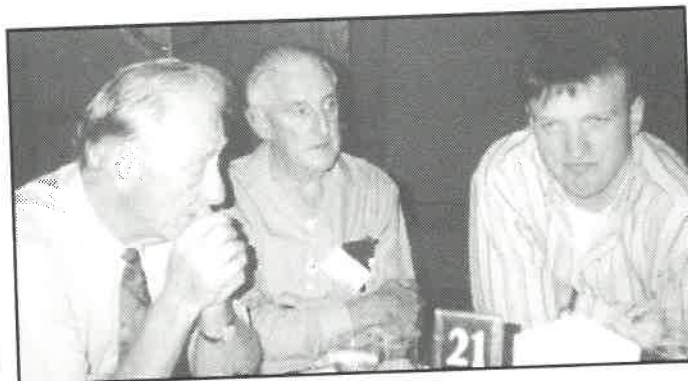
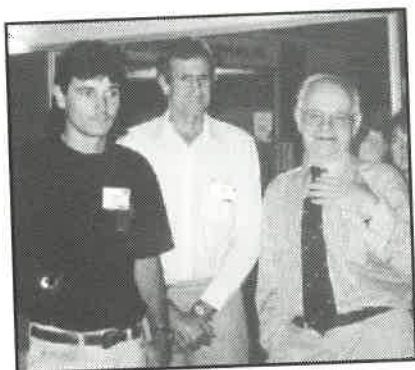
Past Vice President talks over old times with
NSW compatriot Ron Strong



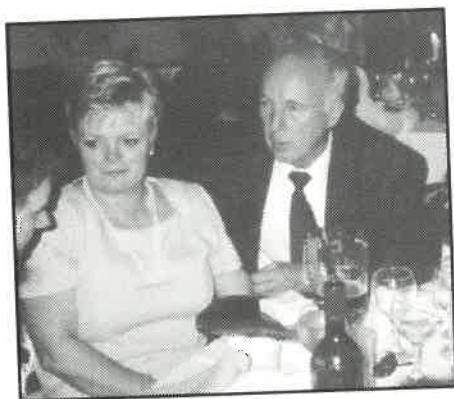
Left:
Look at Mick Rankin and Bob
Smith conning the ladies by
cleaning their jewellery says Peter
Hunter

CONVENTION CAPERS

Below:
Believe me when I tell you Magasa is
best says Jack Phillips.



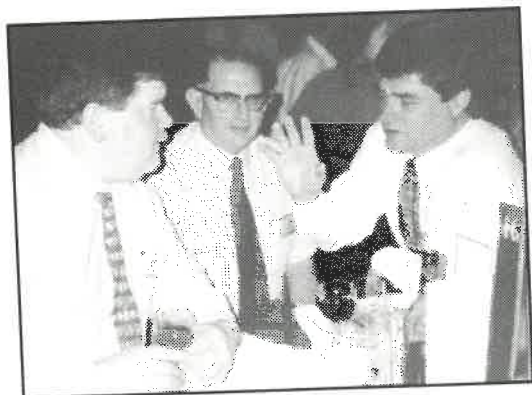
Above: Tom and Keith - "I think one more drink might see him out."



I will be a definite starter in the Hash House Run tomorrow says Dennis Harper.



Brian Agostini chatting with newly weds Paul (Ned) Wilkey and wife Debbie.

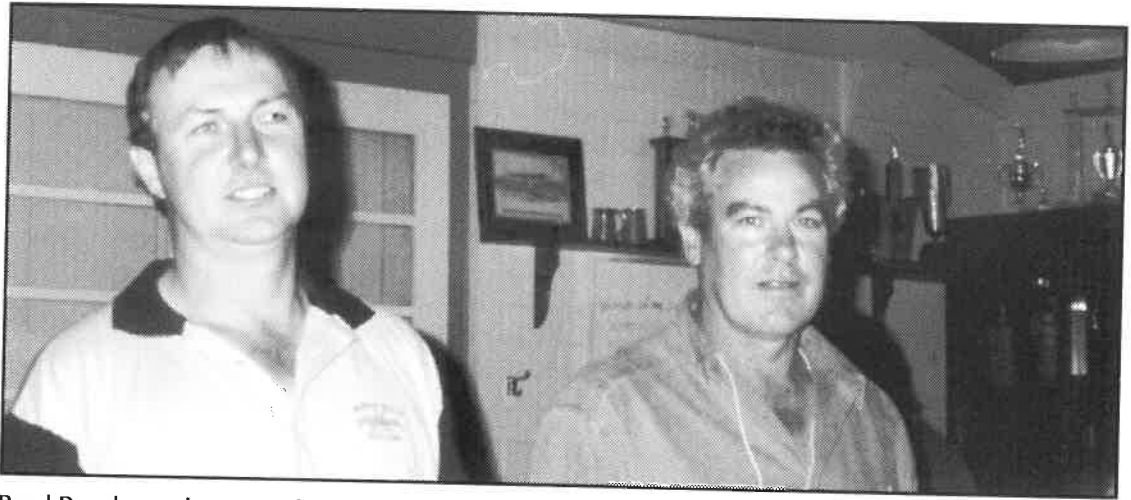


Geoff Cox discussing the Stanadyne System with Peter Malo and John Fresser.



Big John and Maryanne (Orca) Moir.
Go Eagles Go!

**Profile On:-
Brad Paech and Ian Briggs**
From: *Bridge Diesel & Turbo Service*



Brad Paech was born on the 6th April, 1958 and grew up at Monarto. He started his working life as a mechanic and during the third year of his apprenticeship moved across to become a diesel injection and turbo charger apprentice. He worked for Eglintons under the watchful eye of Wally Eglinton.

Brad is married to Kerri and they have a son and daughter. In his spare time Brad enjoys golf, fishing and yabbing.

Ian Briggs was born on 1st December, 1948 and was raised in Milang. He worked on a farm for 10 years during which time he became experienced in farming and diesel mechanics. Ian worked for Neil Coombe in Murray Bridge for a while then decided to go to Darwin to work for Detroit Diesel, doing field service for a period of time. Ian soon returned to Murray Bridge and got a job working at Eglintons. It was here that Brad and Ian first met and started planning to form their own company.

Ian has been married for 26 years to Levena and they have two daughters. In his spare time, Ian is a big fan of fishing, crabbing, yabbing and exploring the outback.

Bridge Diesel & Turbo Service first opened its doors for business on March 1st 1984. Brad and Ian had to collectively "wheel" and "deal" with workshops from Adelaide to Sydney to equip and tool up their workshop. Work slowly came in from the farming community, local industry and companies.

Before long Bridge Diesel & Turbo Service's credibility and work ethics were acknowledged with a constant stream of work. To further cement the company's position as a reliable business, Brad and Ian endured long days of working back and call-outs.

However, all these things have paid off as in the later days the smell of diesel and the hum of the compressor on Friday afternoons, have been exchanged for deep fried chicken, the clink of bottle tops and laughter.

From the beginning of Bridge Diesel, Ian and Brad were gently coaxed into joining AADS. They have had stints on the committee and joined in with the functions the Association have run which are adventures that have made Ian and Brad and Bridge Diesel known to all SA members. Some things which people may better know them for are: yabby exploits, dingy handling skills, "cultural" calendar collections, rude faxes and jokes. They have enjoyed a few jobs which entailed going to the river to work on the Proud Mary's engines and managed to score a two or three course meal from the chef.

The secret of success for Brad and Ian is that they have shown great understanding for "the farmer's lot." They have been given heritage listed pumps and injectors into which they installed new life and have given the term recycling new meaning.

SUPERANNUATION GUARANTEE CHARGE (SGO): INCREASE IN SUPERANNUATION CONTRIBUTIONS

As from July 1, 1996, the rate of superannuation contributions will increase from 5% to 6% for employers whose payroll is \$1 million or less.

Members whose payroll exceeds \$1 million will be required to maintain their contribution of 6% for their employees.

Future increases in the rate of superannuation contributions, as provided in the legislation, are listed in the next column:-

FINANCIAL YEAR	ANNUAL PAYROLL	
	UNDER \$1M	OVER \$1M
1996/97	6%	6%
1997/98	6%	6%
1998/99	7%	7%
1999/00	7%	7%
2000/01	8%	8%
2001/02	8%	8%
2002/03	9%	9%

Daimler-Benz Subsidiary Introduces New Fuel Injection System

TEMIC, part of the Daimler-Benz group, introduced a new diesel fuel injection system at the 1996 Society of Automotive Engineers convention in Detroit, Mich. The new PLD (pump-line nozzle) engine management system for diesel engines was jointly developed by TEMIC and Mercedes-Benz AG. The company claims that the new system complies with the strictest environmental standards and has cut in half the emission of soot particles. In addition, carbon monoxide levels have been reduced by more than 7% and Nox levels have been cut by 12%.



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LUCAS SECURES \$1 BILLION DIESEL BUSINESS

Lucas Industries has won orders for a new range of diesel fuel injection pumps estimated to be worth \$1 billion over the next five years. The orders are to supply Ford, Renault and Fiat with Lucas' recently developed DPCN rotary fuel injection pumps, a new range of diesel pumps said to help achieve lower levels of fuel emissions.

The DPCN pump uses electronics to achieve more accurate injection timing, which results in more efficient functioning of the pump, lower levels of Nox emissions and less noise.

IMPORT DUTY ON DIESEL, EFI AND TURBO PARTS

There will be no duty on diesel fuel injection parts such as elements, delivery valves, governor parts and nozzles etc. But they must be declared as "diesel components". All petrol EFI parts will attract 3% duty. All turbocharger parts imported will attract 3% duty.

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DIESEL AND ELECTRICAL BODAC MEMBERS UNITE WITH MOTOR SHOW PROMOTION

A group of Victorian members of the Australasian Bosch Service Dealers Corporation Limited (BODAC) formed an alliance to promote individual automotive electrical and diesel businesses within the national BODAC network.

One of the group's first projects was a dynamic exhibit at the Melbourne International Motor Show which attracted more than 200,000 people over 11 days in March. The display was financed and staffed by 56 of the Victorian and Tasmanian BODAC members, with assistance from Robert Bosch Australia, which provides technical support, training and equipment to BODAC service dealers.

Highlights of the BODAC exhibit were a bright red battery-powered 1956 Porsche Spyder Replica, promotional video and consumer incentive competition with first prize of a Blaupunkt television, drawn on the last day of the Show.

BODAC dealers, whose specialist services include electronic servicing of EFI and ABS passenger vehicle systems as well as all mechanical servicing of battery and charging systems, lighting, air conditioning, exhaust gas emission and diesel injection systems, are able to offer a national warranty through an Australia-wide network.

The BODAC network boasts more than 400 member dealers across Australia and New Zealand and has been able to achieve a high standard of consistency in all its automotive services.

In particular, diagnostic services, which in modern cars with electrical and electronic

ABS and EFI systems, are a major aspect of the business, along with automotive electrical and diesel services for all types of vehicles including commercial and industrial machinery.

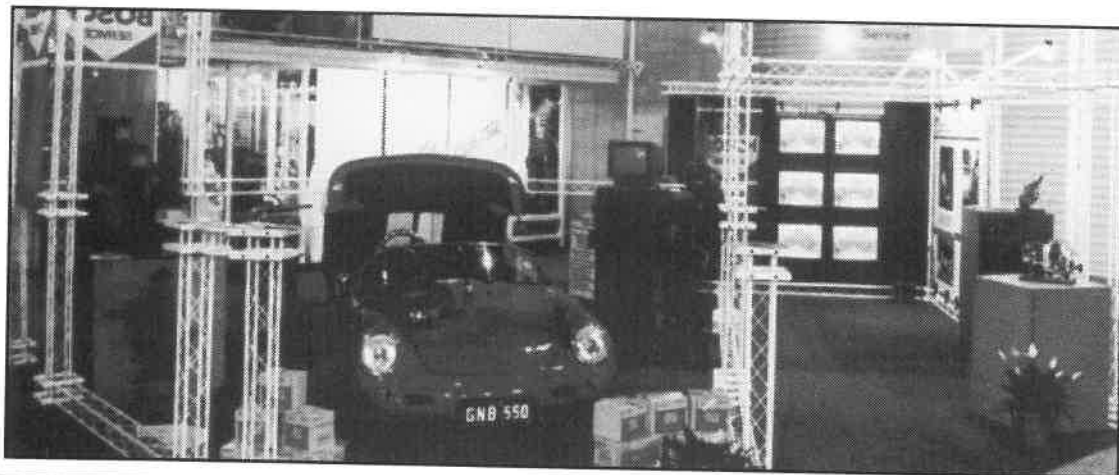
"We want to inform people that our technicians, who are factory trained at Bosch, can service everything, from brakes and steering to all mechanicals. The Motor Show exhibit was designed to educate a new generation of Bosch dealers and customers about our services," said Victorian BODAC President, Alan Boyd.

Stuart Monteath, Co-ordinator of the BODAC Motor Show exhibit, says that the BODAC network is unique in the industry in that it is the only network to offer customers the same high standard of service at any of its dealers in Australia.

Alan was pleased by the response and said one of the biggest pluses from the motor show was not just customer awareness but unity from the individual BODAC dealers who staffed the display.

"BODAC dealers showed their level of support by coming to the Show to contribute by promoting Bosch Service and the high level of Bosch Automotive excellence in Australia today," he said.

The success of the BODAC group's first major promotion has provided incentive for future projects, and they are looking forward to the next BODAC promotion, which is part of an extended business strategy based on consumer needs for automotive electrical and diesel services.



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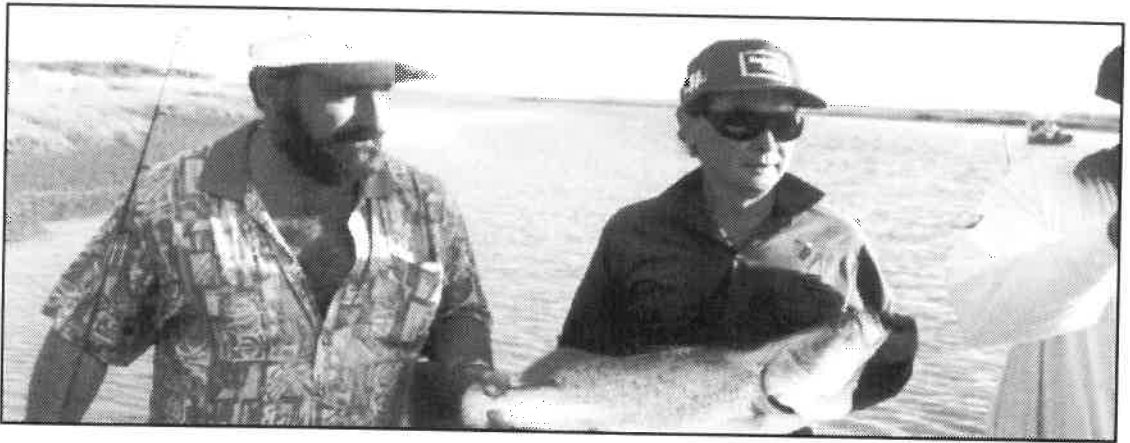
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1997 AADS CONVENTION IN DARWIN



It is hoped that the tax deductibility of the 1997 Conference will encourage members to take the opportunity to visit the "Top End" and the Northern Territory members are keen to turn on a very warm welcome.

The dates for the Convention have been put on to avoid the wet season but this of course is also the peak season for travel to the Territory so members are encouraged to make their booking early, particularly if you intend to do any pre or post convention touring. During the cooler months you will have to put up with every day being fine and sunny with temperatures ranging from 18 to 31 degrees — how perfect is that? In this period the land turns emerald green, the waterfalls thunder and the "Top End's" world famous spectacular tropical lightning storms can be witnessed. After sampling Darwin's famous hospitality, you are ready to explore the magnificent natural wonders that surround the city. A variety of nature based adventure tours are available or you may prefer the self-drive option. (Perhaps a few members may choose to take Campervans and travel in safari style to explore a little further afield) — either way the experience will be unforgettable.

The relative isolation of Darwin has encouraged a relaxed lifestyle and dress standards are at all times cool and casual. It has a strong Asian influence — the outdoor food markets is one example of this and the Darwin Region is an area that breathes the atmosphere of the dreamtime from an Aboriginal culture evolved over tens of thousands of years amid a spectrum of the most diverse landscape.

Situated just over 250 kms east of Darwin lies

Kakadu National Park — 20,000 square kilometers of world heritage wilderness. Kakadu protects one of the few remaining areas of intact tropical woodland in the world and is the largest National Park in Australia. The majestic and ancient sandstone escarpment of the Arnhem Land plateau is its eastern boundary and dominates the topography of the area. To its east as far as the eye can see are the vast wetlands draining north to the Arafura Sea. The whole area offers an abundance of unique flora and fauna and is one of the last natural homes of both the salt and fresh water crocodile.

Allow time to experience the many touring options if you make the opportunity to visit this magnificent area. A scenic flight will help you appreciate its raw beauty while a cruise on the famous Yellow Water at sunrise or sunset is an experience not to be missed. Any time is a good time to visit Kakadu!

For fishing enthusiasts this is a great opportunity to try your hand at both Barramundi and Deep Sea fishing as the waters around Darwin are renowned for the big ones that didn't get away. Market enthusiasts are also well catered for with the Big Flea Market at Rapid Creek on Sundays, the Palmerston Night Markets on Friday evenings and the Parap Markets on Saturdays, but definitely the best by far and not to be missed are the Mindil Beach Markets on Thursday evenings.

There's much to see and much to do in the Territory so plan your holidays around the 1997 Convention and we'll look forward to seeing you at "The Top End". More information next issue of Diesel Torque...

NEW MEMBERS

The following Members have joined since the printing of the 1996/1997 Directory:

Adelaide Turbo Service
4-47 Norfolk Road
Marion, SA 5043
Phone: 08 377 2511 Fax: 08 296 3297
Contact: Bill Keen
Associate Service Member

Diesel Specialist Services
PO Box 150
Hamilton, NSW 2303
Phone: (049) 613 468
Contact: Trevor Lean
Service Member 248

Gluyas Ford Ashburton
PO Box 144
Ashburton, New Zealand 8300
Phone: +64 3 308 5049 Fax: +64 3 308 5046
Mobile: 025 337 651
Contact: John Robinson
Associate Member

Goulburn Valley Institute of TAFE
Fryers Street
Shepparton, Vic. 3630
Phone: (058) 332 626 Fax: (058) 332 551
Contact: David Daws
Associate Member

Wimmera Diesel Injection
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Contact: Phillip Russell
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DIESEL HASH # 2, 16 March 1996



The Second Annual Diesel Hash House Harriers Run was held at 5 pm on the Saturday of the 1996 Convention. Seven runners, including **Doug Meredith of Neptune Engineering, NSW**, and **Steve Mulvaney of K & S Diesels, WA**, assembled on the steps of the Radisson Observation City for the run. They were set off with an airhorn blast from outgoing AADS President **Stuart Walton**, and watched by should-be-runners **Mick Rankin (Chair, Vic/Tas)**, **John Moir (Chair, WA)** and **Dennis Harper (Turbo Dynamics, NSW)** who had lame excuses ranging from lameness to colds to explain their absence from the run. The hare-and-hounds style jog was a very non-competitive event and included a lot of strolling (especially up the numerous hills!) and a "wet stop" for port and lemon! It was on a "scenic" course mapped out by incoming **President Doug Riley** - but reduced to less than half the distance he'd planned, and marked with flour, by AADS Admin Officer **Ann Yergin**. The plan had been to finish up in the hotel's English style pub, joining less energetic happy-hour partakers, but even half the distance took close to an hour, and AADS hashers had to miss the beer and scurry up to shower and change for the Gala Dinner Dance. Start thinking now about participating in next year's event in Darwin!!

ERRATA

The following Members were inadvertently omitted from the printing of the 1996/1997 Directory:

Diesel Australia P/L
PO Box 2122, Logan City Qld 4114
45-47 Allgas Street, Slacks Creek
Phone: (07) 3808 6980 A/H: (07) 3808 6991
Fax: (07) 3808 6980 Mobile: 018 739 279
Contact: Ted Sanders
Alternate Contact: Lloyd Richardson
Service Member 224

Mercedes Benz Commercial Vehicles
2-10 Appleton Dock Rd, Footscray Vic 3011
Phone: (03) 9687 2800 Fax: (03) 9687 5800
Contact: George Pallasis
Service Member

Walz Diesel Fuel Injection
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BOSCH LAUNCHES NEW BATTERY RANGE

Bosch has expanded its popular Australian-made range of batteries to include the latest in maintenance free technology.

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Bosch has used a "hybrid" design for its maintenance-free battery range. This design features lead calcium negative and antimonial positive plates. The calcium plus technology means that the loss of electrolytes and battery deterioration is greatly reduced.

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Bosch maintenance-free batteries come in heavy duty and extra heavy duty versions, and designed with multi-fit terminals on the batteries, stockists can cover 90% of vehicle applications with only four batteries, the AMF 330, AMF 340, AMF 450 and the premium duty AMF 520.

The range of Bosch truck batteries feature an advanced grid design for extra starting power. The heavy duty grid connectors help reduce premature battery failure caused by grids separating under vibration. Bosch has also added a further bonding strip across the top of the grids.

From cars and boats to trucks and tractors, choosing the right battery for the right job is now even easier than ever before. Bosch's entire battery range now has a new look, with clearer labelling and identification.

For more information contact Gary Burns at Bosch Australia on (03) 9541 5555.

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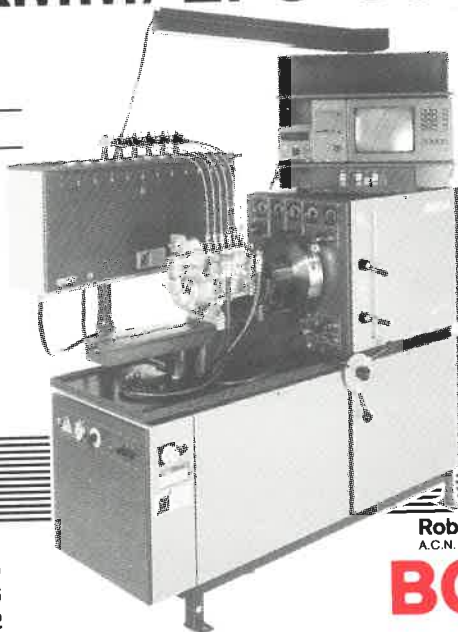
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