

BrakeTalk

PBR International Limited A.C.N. 006 527 340 A Pacifica Group Company



Performance Brakes at Motor Show

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Performance brakes at Melbourne Motor Show



Toyota Australia set car enthusiasts buzzing when they rolled back the covers on their latest concept car, the Sportivo Coupe, at the 2004 Melbourne Motor Show.

The creative concept for the new car included input from 14 to 18 year olds, resulting in a design theme that Toyota designer, Nick Hogios, describes as "soft robotic".

PBR was called upon to develop a high performance brake package that would compliment both the vehicle's higher level of performance and the emphasis on future technology.

The powerhouse behind the Sportivo Coupe is a turbocharged version of the 2.4 litre 2AZ-FE engine introduced with the Australian-built Camry launched in 2002. The result is a power output increase of 60 percent from 112kW to 180kW at 5500rpm and 305Nm torque at 4500rpm, an increase of 55 per cent over the standard engine's 218Nm.



The final PBR Performance brake package consists of massive 380mm diameter ventilated and cross drilled rotors with six-piston aluminium monoblock calipers for the front and 355mm rotors and four-piston aluminium monoblock calipers for the rear.

In working with the car's design team PBR also contributed to enhancements in cabin design by developing a version of their "ePark" electronically actuated park brake system. The ePark system increases cabin design flexibility by replacing the awkward handbrake lever with a small button on the centre console.

Jetstream Bonus

If you're not up to speed with the AutoPartners program then you probably just missed our Jetstream bonus offer. For the months of February and March AutoPartners members had the opportunity to gain 300 bonus points plus a Jetstream cap with every Jetstream rotor pack they purchased.

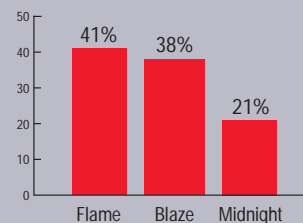
We're please to say the promotion has been a great success and it is obvious from the response that more and more businesses now understand the real value of using the Jetstream pack over trying to mix and match rotors and pads themselves.

Keep an eye out for other AutoPartners bonus programs later in the year.



It's flame by a nose!

It was always going to be an interesting contest to see which colour caliper from the PBR Sports range would prove the most popular. It's still early days but Flame has taken a slim lead with a 41% popularity rating over Blaze's 38%.



The Blaze Sports calipers received a good response at last years AAAA show, but we didn't expect the competition to be this close. If you have any feedback regarding PBR Sports calipers in your area we would like to hear about it. Just drop us an email at braketalk@pbr.com.au.



Performance upgrade for U.S. trucks

The US auto market is dominated by an ever-growing demand for Pickups and SUVs. Couple this with the overwhelming trend for vehicle personalisation and the desire for performance brake upgrade packages was born.

As a key supplier of OE brake systems into the North American light truck market, PBR has drawn on their extensive technical knowledge of these vehicles, and their expertise in lightweight brake system technology, to develop this latest performance system upgrade.

Upgrading wheels and tyres on GM 1/2 ton Pickups and SUVs adds a lot of additional weight to these vehicles. Even the lightest wheels, coupled to tyres load-rated for these vehicles, produce significant increases in weight. All that extra weight results in increased rotational mass which has an immediate impact on the vehicle's braking ability.

The response to this issue has been the development of a performance brake package designed for easy installation into any 18" or larger wheel. The package

consists of; four, PBR Performance, aluminium, twin-piston calipers incorporating performance pad material and four 355mm rotors.

Truckin' Magazine (USA) recently put the new performance upgrade package through its paces with some pretty impressive results. Baseline tests were conducted on a stock Escalade fitted with 17" wheels and tyres then the vehicle was tested again fitted with aftermarket 20" wheels and tyres. Finally the Escalade was fitted with the new performance brake package. The tests showed that, braking from 60mph to zero, the Performance package delivered an improvement of over 40ft whilst from 90mph to zero the result extended to over 100ft.



Brake Repairs Made Easy

If there's one thing we all look for in business it's how to get the same job done in less time without sacrificing quality. And brake repairs are no different. If anything, given the safety considerations, it requires more thought.

Today's brake market is crammed with a variety of brake rotors and disc pads. A multitude of brands and formulations and everyone has their own opinion on which combination works best.

The brake industry has seen some changes in recent years and the most noticeable of these has been the banning of asbestos from disc pads. Despite the hazardous nature of asbestos, what many people aren't aware of is that it played a positive role in reducing brake noise and vibration.

As an OE brake system manufacturer PBR had first-hand exposure to the impact of removing asbestos from brake pads. At the outset it raised a lot of issues with noise and vibration and as a result PBR introduced new materials and developed sophisticated noise suppression systems to help overcome these concerns.

After witnessing the positive results achieved on new vehicles through the car companies we realised there was an opportunity to extend this approach into the aftermarket so that customers could enjoy the same level of satisfaction after each brake service.

With the vast array of replacement disc rotors and brake pads available in today's market the process of mixing and matching to arrive at a suitable combination for your customer can be both time consuming and frustrating.

Most people in the trade are fully aware of what can happen if you get the mix of brake pad and rotor wrong - noise, vibration, increased wear. It happens, but it can be minimised.

As a solution, PBR developed the Jetstream Rotor System.

Jetstream is all about maintaining OE quality levels and eliminating confusion. Each Jetstream rotor pack consists of a disc rotor, a matched caliper set of OE quality brake pads (including noise suppression systems where required) and, where applicable, bearings and seals.

It's that simple. No tricky decisions about what pad works best. Only one part number to order. Everything at your finger tips.

To check out the full range of Jetstream rotors contact your nearest PBR distributor.



AP makes way for new business

In 2003 PBR International purchased AP Italia, one of Europe's leading manufacturers of drum and park brakes. Recently AP opened a 5,000 square metre extension to its production facility in Cairo Montenotte, Italy to cater for the company's long term growth plans in the European market.

The new facility will generate an additional 1.5 million drum and park brakes annually as a result of new contracts awarded through Fiat, Ford, Land Rover, Opel, Renault and Toyota, all of which will commence production between now and 2006.



Braking new Territory



The release of the new Ford Territory in April 2004 will provide the Australian automotive industry with one of the most significant local market additions in recent times. The Territory, designed and developed by Ford Australia will be the company's first major release of a locally produced all-wheel-drive (AWD) model in Australia.

The new Territory has been developed by Ford in response to extensive market research designed to better understand and respond to the needs of today's consumers.

As the major supplier of brake systems into the Australian automotive industry, PBR Australia was called upon to develop a brake system for the Territory that would offer a new level of braking performance.

The Territory brake system incorporates PBR aluminium twin-piston front calipers, aluminium single-piston rear calipers, PBR pillar-vented front and rear disc rotors, single-shoe Banksia park brakes and upgraded actuation.

The combination of these elements forms a brake system designed to meet the very demanding performance criteria established by the design team at the commencement of the project. This very successful final result reinforces PBR's capability to take full control of brake system design and development.

Based on the reception already received at the various Australian motor shows the new Ford Territory looks set to be a winner.

New product range additions

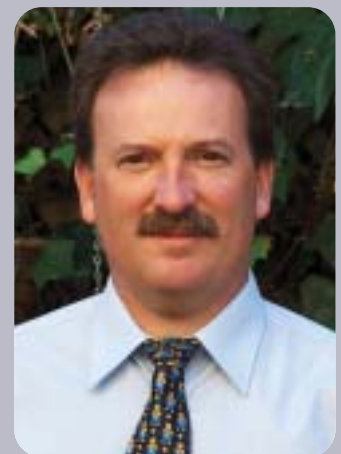
Make	Application				Description	PBR No.
DAIHATSU	APPLAUSE	A101	09/97	- 11/99	W/Cyl Assy	JB3093
DAIHATSU	APPLAUSE	A101	10/89	- 09/97	W/Cyl Assy	JB3092
DAIHATSU	APPLAUSE	A101	10/89	- 09/97	W/Cyl Assy	JB3093
DAIHATSU	CENTRO	L500	03/95	- 12/97	W/Cyl Assy	JB9592
DAIHATSU	CHARADE	G203	08/94	- 06/00	W/Cyl Assy	JB3033
DAIHATSU	CHARADE	G203	08/94	- 06/00	W/Cyl Assy	JB3107
DAIHATSU	MIRA	L200	04/92	- 02/93	W/Cyl Assy	JB3113
DAIHATSU	SIRION	M100	06/98	- 03/02	W/Cyl Assy	JB9559
FORD	COURIER	PD	05/96	- 02/99	W/Cyl Assy	JB9548
FORD	COURIER	PD	05/96	- 02/99	W/Cyl Assy	JB9550
FORD	ECONOVAN	JG	01/97	- 01/00	W/Cyl Assy	JB3012
FORD	ECONOVAN	JG	01/97	- 01/00	W/Cyl Assy	JB9600
FORD	ECONOVAN	JG	01/97	- 01/00	W/Cyl Assy	JB9601
FORD	TRADER	0409	06/89	- 08/95	W/Cyl Assy	JB9593
FORD	TRADER	0409	06/89	- 08/95	W/Cyl Assy	JB9594
FORD	TRADER	0409	06/89	- 08/95	W/Cyl Assy	JB9595
FORD	TRADER	0409	06/89	- 08/95	W/Cyl Assy	JB9596
FORD	TRADER	0409	06/89	- 08/95	W/Cyl Assy	JB9597
FORD	TRADER	0409	06/89	- 08/95	W/Cyl Assy	JB9598
FORD	TRADER	0509	06/89	- 08/95	W/Cyl Assy	JB9594
FORD	TRADER	0509	06/89	- 08/95	W/Cyl Assy	JB9595
FORD	TRADER	0509	06/89	- 08/95	W/Cyl Assy	JB9596
FORD	TRADER	0509	06/89	- 08/95	W/Cyl Assy	JB9597
FORD	TRADER	0509	06/89	- 08/95	W/Cyl Assy	JB9598
FORD	TRANSIT	VE	06/94	- 05/96	W/Cyl Assy	JB9545
FORD	ECONOVAN	2.0	06/88	- 05/97	W/Cyl Assy	JB2896
FORD	ECONOVAN	2.0	06/88	- 05/97	W/Cyl Assy	JB2895
FORD	FESTIVA	WD	01/97	- 12/97	W/Cyl Assy	JB3147
FORD	FESTIVA	WF	01/98	- 12/00	W/Cyl Assy	JB3147
HOLDEN	COMBO	SB	12/98	- 04/02	W/Cyl Assy	JB3181
HYUNDAI	EXCEL	EXCEL	10/96	- 05/99	W/Cyl Assy	JB3143
HYUNDAI	EXCEL	EXCEL	10/96	- 05/99	W/Cyl Assy	JB3144
HYUNDAI	EXCEL	EXCEL	01/00	- 06/00	W/Cyl Assy	JB9574
HYUNDAI	LANTRA	LANTRA	07/95	- 12/98	W/Cyl Assy	JB3089
HYUNDAI	LANTRA	LANTRA	07/95	- 12/98	W/Cyl Assy	JB3090
MAZDA	121	DW	10/96	- 03/00	W/Cyl Assy	JB9556
MAZDA	323	BA	10/96	- 09/98	W/Cyl Assy	JB3038
MAZDA	323	BJ	09/98	- 12/00	W/Cyl Assy	JB3038
MAZDA	B SERIES	B2600	05/96	- 01/99	W/Cyl Assy	JB9548
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MAZDA	E SERIES	E2000	05/97	- 10/99	W/Cyl Assy	JB9518
MAZDA	E SERIES	E2000	05/97	- 10/99	W/Cyl Assy	JB9543
MAZDA	E SERIES	E2000	05/97	- 10/99	W/Cyl Assy	JB2797G
MAZDA	E SERIES	E2000	05/97	- 10/99	W/Cyl Assy	JB3016/7G
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MAZDA	E SERIES	E2000	05/97	- 10/99	W/Cyl Assy	JB3146
MAZDA	E SERIES	E2000	05/97	- 10/99	W/Cyl Assy	JB2438

For further product details please refer to the PBR on-line catalogue at www.pbr.com.au/findapart

The face of PBR



Daniel Dunn is State Sales Manager for Victoria, South Australia and Tasmania. Before joining PBR, Daniel worked with Michelin in Brisbane and then more recently in Melbourne. Daniel has been instrumental in PBR's expansion of distribution on the growing Jetstream product range.



Adrian Darge is PBR's new face in Western Australia. Having spent many years working with Marlows, Adrian has a good understanding of the aftermarket industry. Adrian's previous roles with Marlows include Store Manager, Area Supervisor and Senior Category Manager.



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