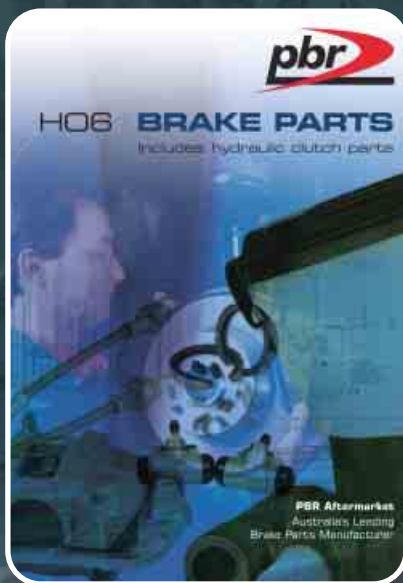


BrakeTalk

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



New Brake Parts Catalogue

- Truck Stuff – European Truck Service
- New Performance Brake Upgrade Kit For VR/VS Commodores
- New H06 Brake Parts Catalogue
- Maximum Performance
- Brake Service Tips – Are You Making The Right Choice?
- Are You Being Rewarded?
- New Range Additions
- The Face of PBR

Copies of
GRUNT FILES



– The tough car magazine you can watch. Details inside.

WIN!



Truck Stuff

European Truck Service



The face of the Australian heavy vehicle market is changing as increasing numbers of European trucks and buses such as Volvo, Scania, DAF, Mercedes Benz, MAN, Iveco and Renault, find

their way onto Australian roads.

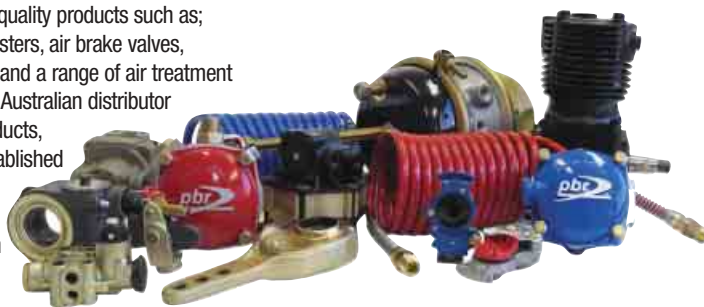
As the European numbers grow, owners are faced with the question of how to protect their investment by servicing them with high

quality, cost-effective replacement products. Where brakes are concerned, PBR is filling the gap with a comprehensive range of genuine Haldex brake products.

The Haldex brand is widely recognised for its commitment to high quality products such as; automatic brake adjusters, air brake valves, height control valves and a range of air treatment products. As the sole Australian distributor for Haldex brake products, PBR has recently established a European products catalogue to assist with the identification and procurement of

replacement brake parts for this growing market.

To find out more about the Haldex range through PBR you can contact David Frazer on 03 9575 2507 or Robert Bonnefin on 03 9575 2504.



New Performance Brake Upgrade Kit For VR/VS Commodores

PBR Performance brake upgrade kits have become a popular choice for vehicle owners who are looking to significantly improve their brake performance without breaking the bank.

Now owners of earlier model Commodores can share the experience with the release of PBR's VR/VS Commodore brake upgrade.

As with all PBR Performance brake upgrade kits, all parts required for the job including performance calipers, rotors, braided hoses and all hardware are supplied along with fitting instructions.

The VR/VS kit significantly increases rotor sizes, shifts the front caliper up from a single-piston to a huge twin-piston caliper and moves to a larger, vented caliper on the rear.

A 33% increase in front disc pad area along with a performance pad formulation completes the picture ensuring a significant improvement in brake performance.

To view the full system specs or download a Performance Wheelcheck template visit www.pbrperformance.com.au.

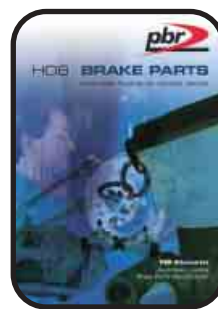
A film clip showing the VT kit being fitted up was recently featured on the 4th edition of the new Grunt Files DVD performance car magazine.

The first six readers to email us at braketalk@pbr.com.au with their name, company name and address will each receive a free copy of Grunt Files #4.



Grunt Files is distributed through select auto parts outlets or you can check it out at www.warriorfilms.com.au.

New H06 Brake Parts Catalogue



PBR's new H06 Brake Parts catalogue makes finding the right brake part so much easier than ever before. When you consider that it also includes 1,000 additional references beyond the previous edition you can see

why it is the leading industry reference for hydraulic brake parts.

PBR has developed a format which places all the important information exactly where you need it. The inclusion of product icons allows you to locate the product category you're after the moment you open the page, whilst the colour-coded part number field helps easily locate the precise part number.

Product specific footnotes and dimensional data are all positioned right there on the page so you don't have to flip back and forth through the catalogue to get the full picture.

With vehicle applications dating back to 1975, the H06 includes the most comprehensive listing of brake cylinders, brake calipers, brake hoses and clutch cylinders for the Australian market.

Copies of the new H06 catalogue have been distributed to all PBR brake parts distributors and the full catalogue is now available on-line at www.pbr.com.au.

Are You Being Rewarded?

Did you know that you can earn 60 points for every Jetstream Rotor System, 40 points for every Piston Housing and 1,500 points for every Performance Brake Upgrade?



That's providing you're a member of AutoPartners of course. If you're not and you want to get on board check it out at www.autopartners.com.au.

It's a great way to earn quality rewards for you and your team.

Maximum Performance

At the recent SEMA automotive specialty show in Las Vegas, PBR tantalised crowds of performance enthusiasts with the latest edition to the PBR Performance brake range – M-Series Hi-Performance brake calipers.



The M-Series range consists of six and four piston caliper options, each with a unique *multi-pad* feature (patent pending) where each piston is assigned its own disc pad. By increasing the number of pads the incidence of tapered pad wear can be significantly reduced.

Drawing on PBR's leadership in aluminium brake calipers for the high performance sports car market, M-Series brake calipers are a monoblock design delivering optimum levels of brake caliper stiffness. These calipers have been abuse tested to 1000°C at the pad face with virtually no deterioration in performance.

PBR's M-Series calipers were first featured on the newly released Corvette Z06 which has been dubbed the fastest Corvette ever built.

M-Series Hi-Performance calipers will soon be available for the Australian aftermarket.

BRAKE SERVICE TIPS

Are you making the right choice?

Arguably the most important component of any brake system is the brake fluid. Yet it seldom gets discussed with the same level of technical detail as a brake pad or disc rotor.

Brake fluid is no different to any other component in the system; it will degrade and eventually fail over time if it is not maintained correctly. The main reason for this is that brake fluid is hygroscopic, i.e. will rapidly absorb moisture from the air on contact, resulting in a decrease of the Equilibrium Reflux Boiling Point (ERBP). When brake fluid boils, it leads to vapour locking which results in loss of pedal pressure and brake failure.

Unfortunately not all vehicles can use the same grade of brake fluid. Brake fluids are specifically developed to work with the varying operating temperatures that specific vehicles are expected to encounter under normal driving.

The brake fluid used in new vehicles by Holden and Ford, for example, has been developed to cope with the increased temperatures and more demanding conditions of Australian driving. On the other hand Toyota uses a completely different fluid which is more compatible with their ABS systems.

It is important to refer back to the manufacturer's recommendations when determining the most appropriate brake fluid, which is why PBR has developed a brake fluid range specifically formulated to meet or exceed vehicle manufacturer's requirements.

Paying close attention to the recommendations for when brake fluid should be changed is extremely important, as the different chemical compositions will alter the rate at which moisture can be absorbed into the fluid. Excess water in the fluid significantly increases the risk of corrosion within the system which can ultimately lead to brake failure. DOT 4 fluids will usually need changing every 2 years whereas DOT 3 fluids should be changed every 12 months.

A good indicator is to keep an eye on brake pedal performance. A spongy pedal that almost effortlessly goes to the floor suggests that excessive amounts of air are present in the fluid. Once you hit that point, the only right decision is to change the fluid.

The bottom line is to become familiar with the right fluid for the vehicle and treat it with the respect it deserves.



PBR BRAKE FLUID – The lifeblood of your brake system

PBR Fluid	Minimum Equilibrium Boiling Point	Minimum "Wet" Boiling Point	Applications	Replacement
PBR Yellow DOT (BF3-500ML) Super DOT 3	260°C	140°C	All Toyotas and a range of Japanese and European vehicles.	12 months
PBR Red DOT (BF-500ML) DOT 4	280°C	155°C	Earlier models and low to medium performance vehicles.	2 years
PBR Gold DOT (BFP-500ML) Hi-Spec DOT 4	280°C	180°C	All Holdens and Fords and late model vehicles.	2 years
PBR Racing Fluid (BF-600)	312°C	204°C	Sustained high speed and racing applications.	12 months or each race

New range additions

Make	Application				Description	PBR No.
FORD	FESTIVA	WB		04/94 - 12/96	M/CYL	JB1825
FORD	FESTIVA	WD		01/97 - 12/97	M/CYL	JB1825
FORD	FESTIVA	WF		01/98 - 12/00	M/CYL	JB1825
FORD	TELSTAR	AV	2 LITRE	01/90 - 01/92	M/CYL	JB6020
HOLDEN	C/DORE	VS	V6	04/95 - 08/97	C M/CYL	JB9639
HOLDEN	C/DORE	VS	V6	04/95 - 08/97	S/CYL	JB9642
HOLDEN	RODEO	TF	4X4	12/97 - 06/01	W/CYL	JB2686
HOLDEN	RODEO	TF	V6 4X2	01/98 - 06/01	W/CYL	JB2686
HOLDEN	VECTRA	JR	ALL MODELS	06/97 - 08/99	B M/CYL	JB9669
HOLDEN	VECTRA	JS	2.2	08/98 - 11/00	B M/CYL	JB9669
HYUNDAI	EXCEL	EXCEL		07/94 - 10/96	CALIPER KIT	K2970S
MITSUBISHI	EXPRESS	SJ	2.4 & 2.5	10/94 - 06/96	M/CYL	JB6027
MITSUBISHI	EXPRESS	SJ	2 LITRE	10/94 - 06/96	M/CYL	JB6028
MITSUBISHI	EXPRESS	SJ		10/94 - 06/96	C M/CYL	JB1567
MITSUBISHI	EXPRESS	SJ		10/94 - 06/96	S/CYL	JB9538
MITSUBISHI	MAGNA	TF	4 CYL	06/97 - 03/99	S/CYL	JB9531
MITSUBISHI	MAGNA	TF	4 CYL	06/97 - 03/99	S/CYL KIT	K1996S
MITSUBISHI	MAGNA	TF	V6	06/97 - 03/99	S/CYL KIT	K1996S
MITSUBISHI	MAGNA	TF & TH	NON ABS	06/97 - 09/00	M/CYL	B227-062
MITSUBISHI	MAGNA	TF & TH	ABS	06/97 - 09/00	M/CYL	B227-064
MITSUBISHI	MAGNA	TF & TH	ABS	06/97 - 09/00	M/CYL KIT	K8674
MITSUBISHI	MAGNA	TF & TH		06/97 - 09/00	CALIPER L/H	B851-149
MITSUBISHI	MAGNA	TF & TH		06/97 - 09/00	CALIPER R/H	B851-150
MITSUBISHI	MAGNA	TF & TH		06/97 - 09/00	CALIPER KIT	K1712S
MITSUBISHI	MAGNA	TF & TH		06/97 - 09/00	HOSE FT	H1671
MITSUBISHI	MAGNA	TF & TH	SED	06/97 - 09/00	HOSE RR	H1674
MITSUBISHI	MAGNA	TF & TH	WAG	06/97 - 09/00	HOSE RR	H1672
MITSUBISHI	MAGNA	TF & TH	SED	06/97 - 09/00	CALIPER RR L/H	B811-139
MITSUBISHI	MAGNA	TF & TH	SED	06/97 - 09/00	CALIPER RR R/H	B811-140
MITSUBISHI	MAGNA	TF & TH	SED & WAG	06/97 - 09/00	CALIPER KIT	K1610S
MITSUBISHI	MAGNA	TF & TH		06/97 - 09/00	C M/CYL	B211-001
MITSUBISHI	MAGNA	TF & TH		06/97 - 09/00	C M/CYL KIT	K8582X
MITSUBISHI	MAGNA	TF & TH	SED	06/97 - 09/00	P/BRAKE L/H	B610-047
MITSUBISHI	MAGNA	TF & TH	SED	06/97 - 09/00	P/BRAKE R/H	B610-048
MITSUBISHI	MAGNA	TF & TH	WAG ABS	06/97 - 09/00	P/BRAKE L/H	B610-049
MITSUBISHI	MAGNA	TF & TH	WAG ABS	06/97 - 09/00	P/BRAKE R/H	B610-050
MITSUBISHI	MAGNA	TF & TH	WAG NON ABS	06/97 - 09/00	P/BRAKE L/H	B610-065
MITSUBISHI	MAGNA	TF & TH	WAG NON ABS	06/97 - 09/00	P/BRAKE R/H	B610-066
MITSUBISHI	MAGNA	TF & TH		06/97 - 09/00	P/BRAKE KIT MAJ	PBK125
MITSUBISHI	MAGNA	TF & TH		06/97 - 09/00	P/BRAKE KIT MIN	PBK124
MITSUBISHI	MAGNA	TS	SEDAN ABS	03/94 - 02/97	M/CYL	JB1841
MITSUBISHI	MAGNA	TS	WAGON ABS	03/94 - 02/97	M/CYL	JB6070
MITSUBISHI	PAJERO	NH	V6 3.0	05/91 - 10/93	S/CYL	JB9535
MITSUBISHI	PAJERO	NJ	V6 3.0	11/93 - 10/96	S/CYL	JB9535
MITSUBISHI	PAJERO	NK	V6 3.0 2.5 DIES	10/96 - 07/97	S/CYL	JB9535
MITSUBISHI	S'WAGON	SJ	2 LITRE	10/95 - 06/96	M/CYL	JB6028
TOYOTA	CAMRY (& VIENTA)	SXV10	NON ABS	04/95 - 03/98	B M/CYL	JB1874
TOYOTA	COROLLA	AE101	NON ABS	07/95 - 04/00	B M/CYL	JB1944
TOYOTA	COROLLA	AE102	NON ABS	09/94 - 07/95	B M/CYL	JB1944
TOYOTA	COROLLA	AE102	ABS	08/95 - 04/00	B M/CYL	JB1931
TOYOTA	COROLLA	AE102	NON ABS	08/95 - 06/96	B M/CYL	JB1944
TOYOTA	COROLLA	AE102	NON ABS	06/96 - 04/00	B M/CYL	JB9722
TOYOTA	HI LUX	KZN165		12/99 - 08/01	CALIPER KIT	K1822S
TOYOTA	HI LUX	LN167		11/97 - 08/01	CALIPER KIT	K1822S
TOYOTA	RAV 4	SXA11		07/95 - 09/00	M/CYL	JB6005
TOYOTA	STARLET	EP91	ABS	04/96 - 07/99	W/CYL L/H	JB9620

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

The face of PBR



The PBR Customer Service Centre receives over 300 calls daily on a range of topics including; product information, catalogue enquiries, technical support and order placement.

Making sure that each call is handled promptly and professionally is the responsibility of call centre supervisor, Cindy Heib. In addition to fielding calls herself, Cindy ensures that her team is responding to and resolving customer queries as quickly as possible to minimise any disruption to their businesses.

"We understand that many of the people who contact us have vehicles off the road and need urgent assistance in order to deliver the best possible service for their customers," Cindy acknowledges.

Cindy has an in-depth knowledge of how the industry works. She has spent the past 25 years working with PBR, 10 of them in customer service. Prior to that she completed a fitting and turning apprenticeship and has worked in many departments within PBR including maintenance, tool room, engineering and purchasing.

Cindy and her team look forward to helping you out next time you call on 1300 369 727.



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Send any comments regarding this newsletter to braketalk@pbr.com.au