superb high quality products, that win races. Many of been transported around the world, two very important diff and four wheel drive off road cars. These parts/cars transforming our sport forever. companies and taking a look at their current product range. With this being the "first" article it seemed only logical to take a look at our most senior manufac-

PB Racing

alue, etc.

New Beginnings

Opening a hardware shop in the Portsmouth

area, it didn't take long before Keith was sup-

plying the local modellers with balsa.

This turned into the building and

flying of model aircraft, and the first

PB product, glow fuel. Fuel was hard

to come by, at that time, and then it was only in small quantities. Keith

took the challenge, after discussions with Customs and Excise a license

was acquired to stock Methanol.

glow fuel by the gallon being the

result. The first PB success. With



PB Racing - A little History Lesson

It's now some twenty four years since PB Racing appeared on the model car scene, producing a range of mostly fuel powered, although they have built several competitive electric powered racers, for On and Off road . At the helm is one Keith Plested, a legend in his own lifetime. Keith started his working life at Hoover, very much an "English" company at the time. Keith progressed quickly, attaining a very sound engineering and manufacturing base, something Keith has used to great effect.
When Hoover developed the first automatic washing machine, our cousins across the Atlantic became just a little interested in Hoover, the company losing lot of it's own identity at this point Keith

aircraft parts from the far east becoming more another quest. After reading books on vac-forming and injection moulding, a vac-forming machine was built, which is still in use today and a very rudimentary set of dies were created to make aircraft canopies and landing wheels. This became a really large business. So the basics of the current

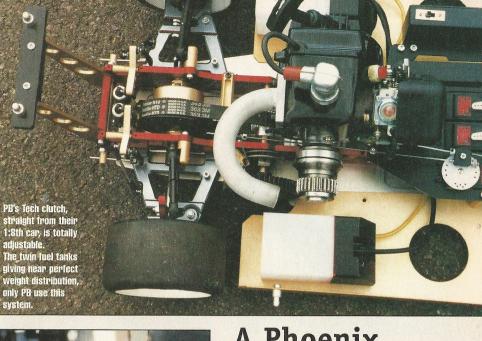
From this point it didn't take long before Keith became interested in cars. A real chal-

operation were in place.

lenge, something, fast, furious and noisy. The love affair had begun. After trying a friends car, and feeling he could do far better, Keith went out and made one.

This was a quite a crude flat pan two whee drive IC car. No diff, no suspension, direct drive and ABS plastic bodies. With Keith's know how and ingenuity, the car didn't stay basic for long, firstly a simple gear differential, followed by independent suspension.

By now PB Racing was up and running with help from





The rear toe-in has a very neat adjustment in the

wife, Beryl, and son Mark, who had also got the "bug", parts and kits were rolling out of the door on a daily basis. Keith designed the cars, made the tools and ran the factory, and it's pretty much the same today. Shortly after all this began PB took its first World championship, with that "evergreen" at the stick's,

Since then PB just grew and grew in the high point of the 80s and early 90s PB's could be found racing on-road, off-road, electric and IC, with a great deal of success. But the depression of the 80s/90's hit the model car industry and PB hard and they just managed to stay afloat.

A Phoenix...

With a much reduced product line they did survive, and in most peoples eyes, mine included, the current cars, with their mostly aluminium construction, are the best PB have ever built
When you talk with Keith it's very clear he is a clever man, he knows what he wants from his products and he uses all his drive and enthusi asm to get it. With Keith's skills and the right kind of equipment to hand it is very easy and quick for PB to almost make a new part overnight", so development will always be or going, Keith freely admits that he relies on cu

tomer feedback, to improve his cars. Having survived twenty four years, he must be doing it right mustn't he?

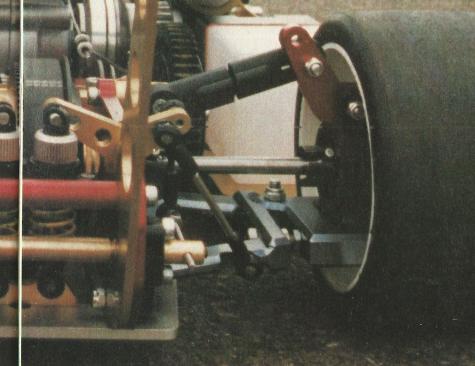


A carbon fibre tuned pipe will be part of the Dart's

Current Range

Three cars are currently in production with PB, the 1/10th IC Apollo Pro (raced by RRC's Nitro News columnist Mark Boothman), the 1/8th scale IC Black Diamond available in two wheel and four wheel drive, and lastly Keith's new baby the Dart 1/5th Scale Car.

Keith and Mark Pleasted with their very latest brain child, the Dart.



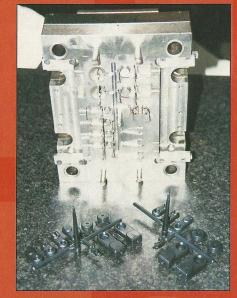
The view most of the competition will see of



PB's hard working injection moulding machine.

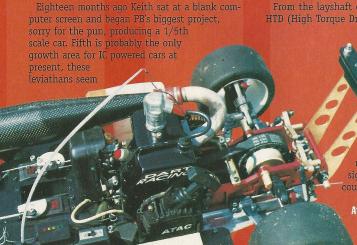


Once you have the machine you need the "dies" to create the mouldings.



One of the latest "dies" from the Dart, ball joints

That's what we have come to



Starting from scratch Keith designed a "total" cars in the bank, so to speak, an effective design

A Solid **Foundation**

dation for success, the Dart has a full length 6.5 mm thick 7075T6 aircraft alloy one. No cut outs are used, so the smooth bottom should allow you to "surf" the kerbs, maximum strength being the major goal. A certain amount of machining on the inside face, keeping the weight down.

the optimum layout for a 2wd car. From the world go the Dart being designed as a total pack-

Total Package

The heart of the car, the Zenoah engine is bolted to the two very stiff alloy side plates, which around the Zenoah engine, but other options

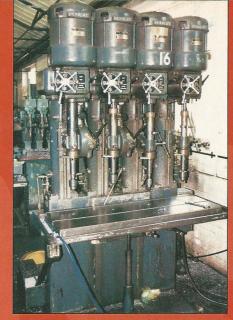
A point to note about the brake discs for the grind their brake discs. This Keith feels is still not accurate enough, so the Dart's discs will

Belt and Pinion

From the layshaft drive is transferred by a HTD (High Torque Drive) drive belt, this being the chain drive used by

between the belt

At present the Zenoah engine will be supplied with the Dart.



both twin and quad pinion gears have been

Wide Base and **Pushrods**

drive train. A single top link runs back from upright should take the "shock loadings"

cars are very heavy photo) controls toe

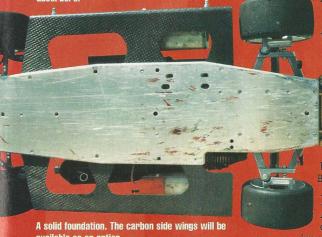
Rear pushrod and anti roll bar, the rear roll stiffness is adjusted by the length







A very stiff front roll bar fits between the bottom nes. Also note the position of the front shock be supplied to mount the receiver, a

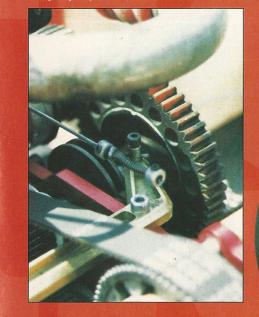


available as an option.

Saddle Pack?

engine. Mounted low on the side wings, cool

An alloy brace supports the brake operating cam. A single top link, is used at the rear.



flexibly mounted plate supporting the six cell battery pack. On the

Front

Twin alloy bulkheads run transversely across the chas-Also they will offer a certain degree

pension is used at the front as the rear, this

Dart should generate a lot of rear end grip.

All the other

As standard the Dart comes with outboard

A central indirect servo saver connects via turnbuckles to the injection moulded front hub carriers. Some neat shims clip in between the

When the Dart goes into production it will be Audi A4 or BMW M3 bodyshell, other bodyshells and wheelbases will follow. At pre-FG or Dynamic wheels will fit, also I believe plied with PMT tyres. The final part of

How's it gone so far

Very well, can be the only comments. The early failures of the Dart can be put down 100% to parts "bought" in by PB, mostly ball Keith was running in the "A" final, so it's on

The first production run of the Dart should Ltd, t/a PB Racing on tel no (01705) 492310

The Dart will be available as follows:-

PB51 - Rolling Chassis in kit form PB52 - Rolling Chassis with bodyshell- kit form

PB53 - Rolling Chassis with bodyshell, motor,

Strength to Strength

Well it seems PB's family team is running as Keep it up PB.

Fully floating lightweight brake disc's will come as



