

## CHAIK & CHEESE

real enduro machine, but just how big is the credibility gap? A unique opportunity to pit Suzuki's TS250C against the same factory's PE250 and 175 revealed the ultimate truths.

Mark Williams performed the dirty deed. Suzuki's trail bikes come second only Yamaha's dual purpose range in the popularity

on the road, but you'll find a few suitably modified 125s and 250s in even the most In the past year or so, however, the PE250 has been available in the UK via Beamish

Motors, the Brighton-based firm who market the factory's off-road competition machines. A lot of serious enduro buffs have thus opted native to the slightly pricier alternatives from the European factories. At the Earls Court Show, Beamish displayed the 175cc version of the same bike, with a price tag that put it firmly within the reach of the guy who cut

This seemed like the time to find out justified and, perhaps even more interestingly. whether the more powerful PE250 had much (or indeed anything) in common with your

average two-fifty trailster. The opportunity for just such an evaluation came in the shape of an offer from Nick Beamish to spend a day with the two PEs down at his farm in Sussex. We'd already arranged for tearing round the Beamishs' own moto-cross

Firstly, a comparative analysis TS250C and the PE250. The TS250 weighs 260lbs dry, develops a claimed 22 bhp at 5500rpm from its 70x64mm piston port engine and breaths through a Mikuni 28mm carb. Five gears and a reed valve endow it with a fairly flexible powerband and a too road speed of around 70mph. The engine tion system which feeds a metered supply of oil into the crankcase and crankshaft as well as into the induction tract. An electronic ignition system provides the sparks and the bake comes

and full road lighting. Since most of the TS250s you see are used primarily on the road, it's no surprise that the oillion footrests and a pair of vibration isolated

As you're only likely to see a PE250 supplied without any of the creature comforts of standard equipment is enough to whet the palate of the most ardent enuro expert.

Rudimentary lighting, plastic competition number-plates and wide, deeply valanced plastic fenders are merely the icing on the cake. The guts of the PE250 are what grabs the At 240lbs dry it's 20lbs lighter than the TS

vet it churns out 6 more horsepower, although higher up the rev-band at 8000rpm. It shares geared primary drive, wet, multi-plate clutch on paper. The PE's transmission, and indeed he entire motor unit, is based closely on the RM250 moto-crosser, only the graring, portand-out racing. Both PE's have twin plug heads and rubber mounted exhaust systems with

The frame is also based on the single downtube RM unit, complete with hefty, box-section 5-way adjustable shockers fitted to the TS250 the PE items are mounted well forward of the wheel spindle and their knurled ring, three position adjusters hidden neatly out of harm's way behind the comp, number-plates. They also offer almost eight inches of travel compared

which, together with a steeper steering head anele, eiges the PE a little less trail than the six inches of movement. All the bikes had trio

Brakes are similar in both cases, single eading shoe units encased in a matt black hub. But the PE sports butted spokes which are stronger than the TS's, and they're married to a pair of shoulderless Takasago alloy rims, whereas the TS has to make do with steel ones, The rubber is different too. The PE has a pair of trick IRC 'Volcanduro' tyres, 3,00x21 at the front, 4,50x18 at the back end. These sport moto-cross tread and side walls which extend beyond the edge of the rim. This is designed to reduce the chance of side wall damage and incre or replaced. A novel feature here is that the front tube can be removed from the rim without taking the wheel out! All you have to do is undo the wheel nut, pull the axle out far







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enough to remove the off-side spacer, and lever away at the tyre. The tube can then be and cable. . . very smart. this, a special all-purpose spanner which undoes

2.4 gallon alloy gas tank), the spark plug, wheel nuts front and rear and features a spigot designed to hold the axles in place when tightening them up. This delightful little tool is held in a natty steel bracket atop the off-

The TS, on the other hand, has conventional trials-type boots, a side hinged seat and a full device plus a centre stand, (although the spring Another plus on the PE is the chain tensioner which keeps the transmission in order throughout those eight inches of travel and a rubber covered chain guide built around the swinging arm which stops the chain from

magnesium engine cases to protect

9000 rpm. Dry weight is just under the PE250 at 234lbs and the only other discernible differences are in the design of the well muffled fractionally shorter wheelbase. However the suspension is a tad softer than on the PE250. something that only makes itself felt under the extremes of competitive use. . . we'll come to

Starting any of the Suzukis is a doddle, The taps are turned on (the TS contains a lip of the tank's bottom), the chokes are shaft kickstart usually has the bike fired up

The PE clutches, although different in size and composition to each other, were similar in feel; short but progressive travel and easy to use. The TS's clutch started to grab after a few turns of the Beamish's circuit and locating neutral was in fact harder on this bike than the two racers, despite the apparent advantage of and they could be booted through the cogs

First gear on the 175 was naturally lower 60 x 57mm, six ports and 22 horsepower at rapidly as the bigger PE. However the TS250









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necode a bit more duth, dispuse than either than the art it clearly passed for good with the hard trail use. Tight, upful corners could be taken in their own the 175 purchase, the pass were kept up to the state of the passed on the 175 purchase, the passed of the passed on the trail passed on the passed on th

some of control and, if mything, its stering, seemed lighter and more precise.

And "when you get-down to threing you seemed lighter and the precise and the TS2-Occupies. In the westernion is doppy in the TS2-Occupies, in the westernion is doppy in the CS2-Occupies, the seem of rocks and instead the texture of the texture and shown to crow the texture and the texture of the texture and the texture of the tex

over lawer time along the most crosses course, i.e. he falls off!

The reast and time much better, although at their stiffers stating the De Carbon units do keep the rubber where it's meant to be a fair hit of the time. Despite this the PE a could be jetted to the time. Despite this the PE a could be jetted up a long steep bumpy hill far quicker this the TS as the whole charts it more attumed to constant tractions with minimum power loss. Both the PETS and 250 would true this very long to the period of the period o



after excessive use. Unfortunately the opportunity to test their resistance to water didn't

Thus far it would appear that the TS was totally unsuited to the sort of high-speed thrashing that the PE175 and 250 relished and that was in fact the case, However it must be possible to improve some of the domestic entering them in enduros. Obviously the front forks could be hefted up by the addition of spring compression slugs and heavyweight oil, eas shocks would help keep the power in its

But only extensive port work and carb tuning could improve the engine performance to a level where it seriously approached that of the PE's, and the handling would still be a compromise even then. The riding position of the PE bikes was superior to the TS, too. The 175's bars are lower and slightly more swept back than the PE250's, but

rightful place.

slightly forward of the swinging arm pivot line further towards the steering head. The disadvantages of this are obvious - wheelies are

filler caps on both test bikes failed to seal properly and a steady trickle of fuel wept all over the tank, messing up leathers and pointwork. The 175 tended to run a bit rich and overcome that. And I didn't like the location any of us fell off a PE, I hasten to add!) The grouses are concerned. But put in perspective. they are really no more than fleas in the ointment, as every serious off-road rider will happily modify a bike to suit himself. In

|                    | Suzuki TS250      | Suruki PE25    |
|--------------------|-------------------|----------------|
| Engine:            | 2 stroke single   | 2 stroke singl |
| Bore & Stroke:     | 70x64mm           | 67x70mm        |
| Capacity:          | 246cc             | 246cc          |
| Compression Ratio. | 5.7:1 (corrected) | 7.2 (correcte  |
| Carburation        | 28rem Mikuni      | 16mm Mikur     |
| BHP @ RPM:         | 2285500           | 280(8000       |
| Primary Drive:     | Gear              | Gear           |
| Clotch             | Wet multiplate    | Wet multipla   |
| Gearbox:           | 5 speed           | 5 speed        |
| Electrics          | 6v battery,       | 6v PE1 igniti- |
|                    | magneto           |                |
| DIMENSIONS         |                   |                |
| Wheelbase          | 55.1ins           | 57.3ins        |
| Seat Height:       |                   |                |
| Ground Clearance:  | 9.4ins            | 11.0ins        |
| Weight:            | 2600bs            | 2400bs         |
| Fuel Capacity:     | 2.2sals           | 2.6 rals       |
| Tyres (F):         | 3.00x21           | 3.00x21        |
| (R):               | 4.00x18           | 4.50x18        |
| Brakes (F):        | Drum              | Dram           |
| (R):               | Drum              | Drum           |
| EQUIPMENT          |                   |                |
| Trafficators:      | Yes               | No.            |
| Electric Starter:  | No                | No             |
| Trip Mileometer:   | Yes               | Yes            |
| Steering Lock:     | Yes               | No             |
| Headlight Flasher: | No                | No             |
| others:            |                   |                |

than one might expect of ultra-competitive PE's handy spanner, headly handle dailed and mounted Old throttle discoenduro mounts, they handle deftly and

to the Yamaha trail bikes, are not rubber mounted and are vulnerably located. The chain

However it's advantages as a road bike are manner, it nips in and out of traffic well, and it's got enough power to maintain a top gear crusing speed of 65 with two people aboard. Its 43mpg fuel consumption and 2.2 gallon fuel tank don't exactly encourage touring. neither does its riding position. But at £689 its cheaper than the opposition from both Honda

most compelling of attractions But for not a lot more money, you could buy a PE175 and compromise flies out of the window. The PE250 is nearly £300 more again are worth it unless you're a really competitive

rider who can put its extra, ton-end power to real use. Still, if the 250 class is your particular cup of meat, the PE250 is still out to the Beamish family and in particular





