

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 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 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 of 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 features Suzuki's by now familiar CCI lubrica into the crankcase and crankshaft as well as system provides the sparks and the bake comes fully equipped with a 6 volt battery, trafficators

and full road lighting. Since most of the TS250s you see are used

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 gearing, portand rubber mounted exhaust systems with

pring retainers at the exhaust orifice. 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 trip

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 increor 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 and cable. . . very smart. Even smarter is the tool which facilitates

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-

side fork stanchion by a heavy duty rubber The TS, on the other hand, has conventional trials-type boots, a side hinged seat and a full stand only, the PE has an almost identical 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

60 x 57mm, six ports and 22 horsepower at rapidly as the bigger PE. However the TS250

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









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Tithis, upbill corners could be taken in Dard on the 175 passed for the trul use,

Tithis, upbill corners could be taken in Dard on the 175 passed for the truly whereas the PEE50's more flexible power supply meant 1820 perchanging all round. Familiarity with the course found this writer mice at home with the 175 housewer.

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scate of control and, if maything, its stering, second lighter and more procise.

And whith you get down to streamy you realize just how unused to first, off cond gring the Tay20, cally it. The surpersion is alongous the Tay20, cally it. The surpersion is alongous the catterns and sheer's not emorph fraced to over the catterns and sheer's not emorph from the catterns and extern and that leave the process of rocks and units that leave the process of the catterns and this versionly uppears the catterns are the catterns and the versionly uppears streetly makes marters worse as sudden changes of directions are exaggranted by the Councing front.

course, i.e. he falls off!

The new relief in a much better, although at their stiffers stating the De Carbon units do keep the rubber where it is meant to be a fair hit of the time. Despite this the PE a coasi be jetted to the time. Despite this the PE a coasi be jetted up a long steep bumpy half far quekker this the TS as the whole charst is more attuned to constant I sastem with minimum power loss. Both the PETS and 250 would tree this term



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 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 paintwork. The 175 tended to run a bit rich and overcome that. And I didn't like the location grouses are concerned. But out 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

summation, both PEs are easier to ride fast		
	Suzuki TS250	Suraki PE25
Engines	2 stroke single	2 stroke sing
Bore & Stroke:	70x64mm	67x70mm
Capacity:	246cc	246cc
Compression Ratio	. 5.7:1 (corrected)	7.2 (correcte
Carburation:	28rem Mikuni	36mm Mikur
BHP @ RPM:	2285500	280(8000
Primary Drive:	Gear	Gear
Clutch:	Wet multiplate	Wet multipla
Gearbox:	5 speed	5 speed
Electrics:	6v battery.	6v PE1 igniti
	stagneto	
DIMENSIONS		
Wheelbase	55.1ins	57.3ins
Seat Height:		
Ground Clearance:	9.4imi	11.0ins
Weight:	2600bs	2400bs
Fuel Capacity:	2.2mls	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

than one might expect of ultra-competitive PE's handy spanner, headly enduro mounts, they handle deftly and precisely and they appear to be touch as nails

Only the latter comment can be applied to vations. I was surprised that the clutch should

have had a lot of abuse from journalists in its 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

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

particular cup of meat, the PE250 is still





