Two years ago there wasn't a Japanese machine which in serious enduro work was really competitive with European models. The Japanese built bikes for 50-50 road trail riders, and if someone wanted to tackle something like a two day enduro then they had to do a lot of modifications or buy another bike. Consequently a good deal of Trail and Track's editorial was given over to modifications to Japanese bikes to make them competitive with the Europeans.

PE 250 THE START OF SOMETHING

At the 1975 International Six Days Trials, two Japanese machines competed for the first time ever. A TT500 Yamaha and a Suzuki trail bike. Neither finished. Last year a host of IT400 Yamahas and PE250 Suzukis, among other Japanese models scored many medals at the ISDT. An indication of the improvements which have been made in 12 months.

Less than two years ago we were fond of pointing out that superior suspension and handling was, as a rule, found on European machinery. Such a generalization is no longer valid.

First came the IT400. Then Honda's MRs. Now Suzuki's PE250 is the second Japanese machine equal and in some cases, better than the Europeans for serious competitive enduro machinery.

Because of the speed with which the Japanese can produce a new model motorcycle, evaluation by comparision becomes

Take Yamaha's DT series. Their first effort, the DT1 was a great motorcycle compared with Japanese off roaders at the time. Many magazines rightly called it the best. But since then so much has happened. A year ago the DT400C was a great big bore trail bike, but the DT400D, (the test of which we'll be writing up soon) with its monoshock long travel suspension, and its excellent engine characteristics, make the DT400C feel overweight and barge-like.

What we're getting at is its hard to say what bike is really good, and have it be true for very long.

If we say in this test that the PE250 Suzuki is the best serious enduro machine to come out of Japan we mean it is at the time of this writing. Because you can bet by the time that this test is published Yamaha will have something like an IT250, or maybe Honda will send some of their MR250s to Australia, and the PE250 will running behind again.

Ask any A grade motocrosser who's had a lay off for six months, and then gets back into competition. He'll tell you how much faster the competition is going when he comes back. Last years machine is just outdated.

So what we're trying to get around to saying is that this report on the PE250 is based on evaluation made right now.

But all this is the same with any test you might say. Bikes get better, they get faster, have more travel, tyres improve, they get lighter etc. So why the big speech to introduce the PE. Because it's a new field for Suzuki. A serious enduro bike. Not a motocrosser, (although God knows, it's enough like the RM) and not a trail bike. In its own sweet way it's a little like the DT1. A pioneer (sorry Ossa). And we have no doubt that in 12 months time the PE250C, or whatever, will be better again, and so on.

Anyway, enough of this dribble, ladies and gentlemen and you

dirt freaks.....THE PE250.



Well first off, obviously, it's very much like Suzuki's RM250B

Because the PE will be running longer in endures, the

for cooler running. A hole has been tapped in the head for provision of a

The left end of the crankshaft on the PE250 has been shortened to accomadate a new magneto, which is fitted with lighting in the 250B, for 5th gear to rub the wall

The exhaust is basically the same. A baffle plate is added to

The carburetter on both machines is a 16mm Mikuni. The PE In the gearbox four of the five internal ratios have been

light, the frames on the enduro and the motocrosser are

to add the chain tensioner

The same dual spring rate suspension system is retained on the PE. Travel length is shortened on the enduro, and the the second. See fig. 3







PE250 \$1199 Fuel-oil premixture of 20:1. 67 x 70mm (2,64 x 2,76m ... Primary kick 23 percent B.T.D.C. at 6,000 rpm 2.140mm (84.3 in.) 855mm (33.7 in.) 1,270mm (50.0 in.) 109 kg. (240 lbs.) 2.78 kg-m (20.1 lb-ft) at 6.500 rpm. NGK B-8E Piston and read valv 50 percent (right and left 126mm (4.96 in. Swinging arm, gas-oil dampen Gearshift pattern ear Tyre Size werall Height Max. Torque ront Brake



Other than these the changes are the bigger fuel tank, the shorter seat and the "enduro fittings" (speedo, headlight etc.) With so few major changes between the models we can envisage a lot of riders converting their motocrossers to enduro

On the trail the PE is all enduro. Box stock it's ready to go with only a few minor refinements needed. The refinements are the kind of thing that manufacturers like KTM and Ossa learn from having teams compete in events like the International Six

from baving teams compete in events like the international six Days Trial.

We'd like to see a better grab rail at the rear, which would unfortunately mean frame modification.

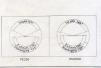






FEZZO RAMS68

INLET PORT



Item	PE250	RM2508
Dushion stroke	195mm	220mm
Spring rate	0.75 kg/mm for up to 90mm	0.818 kg/mm for up to 120mm
	1.048 kg/mm for	0.938 kg/mm for

Rear shock absorbers

Cushion stroke	195mm	220mm
Spring rate	1.35 kg/mm for up to 72mm	1.63 kg/mm for up to 60mm
	4.89 kg/mm for over 72mm	3.13 kg/mm for over 60mm

The seat is thinner and shorter than the RM. The length doesn't worry us, but we feel it could be thicker.

A bigger bash plate underneath the bike would be andvantage. Especially if the enduro is going to take in rocky terrain. The PE's bash plate is a tmy little affair, and for Australian coorditions especially, a heavy ague aluminium job

would be a good accessory, a neavy gauge animum jou would be a good accessory needed. The P.E. is going to present The lights are all that are needed. The P.E. is going to present Australian beging Bulse. For this reason it is sold surregisted as a competition machine only, and can only be used in endures. Some sort of neovision of tends would be welcome. The serious enduro riders have a few spanners, tyre levers etc. to carry. A small pack rack on the rear wouldn't add much weight, and would be ideal.

The aformentioned shorter suspension is actually straight off the RM250A model. It would be reasonable to assume future PE models will have the longer suspension of the B model.

Meanwhile however, the PE doesn't suffer. The suspension is very good and the bike handled well because of it. For the more exacting rider replacement rear shockers might be the only mod worth considering. Invested gas effitings perhaps, or similar units. The stock ones will be OK for most work, but they are a little on the beavy side.

Otherwise the suspension will not have to be worked on in any way.

We found the bike would track well in corners, and that it

seemed to revel in hard riding conditions. Almost unintentionally we got into thekind of riding that's best left for the MX track. But the PE handled it OK. Only the extra weight of the enduro fittings gave it away. For fire trail work or the desert rallies, an owner could even

For fire trail work or the desert rallies, an owner could even consider putting on the RM barrell. Whereas the RM250A was a peaky 250, the longer stroke of the 250B provided more down

On the PE, the longer stroke, combined with the different barrel give the bike a lot more down low for slow negotiation. N tachometer is fitted, but the PE will pull from a shade above 2,000 rpm. We tackled reasonably steep hills, and where the going set slineery found we could back off in second geer and keep the traction. Knocking back to the low first would have induced too much wheelspin. Second gear was the climber, and the power spread of the PE was spot on. Where the blic was also useful, and this is important, was the response from these low chagging speeds. The engine would pick up quickly to fift the front wheel over a log, or lovas the back loose to straighten up

front wheel over a log, or break the back loose to straighten up with a slide. The engine was really very controllable. Naturally it sacrificed the higher up peaky power that the desert enduro racer is going to need, but this is something else

again.

The PE has set new standards for Japan in the endurcategory. We were really impressed with it. It still lacks a few of
the fine edges that the two or three top European enduros have
but it's backed by Suzuki servicability, along with the
knowledge that if this is their first serious enduro bike, imagine
what they'll be like in one or two years.

