

From a feted racing heritage comes the PE250...

SUZUKI'S ENDURO WINNER!



rider — but a new and competent off-road blast for most of the triers!

ENDURO events on the calendar have become almos weekly occurrence, from desert-type Victorian competito the more mountain mini-ISDT competitions stage

desert-type Victorian compet to the more mountai mini-ISDT competitions stage New South Wales. And into this rough-and-tu bard-on-the-machinery sport o

bard-on-the-machinery sport comthe Struki P2550 - not really new machine, but an Enduro asvaguely street-tepal version of 6 highly sizecessful Mr Motocroseries winner. It looks ervery inchwinner, and stands a better the average chance of proving to.

There are argaments for a sgainst cosmetic and minor eng chazges which make mach visible for several types of pure but a bite which has wen its agthe hard way in the heat of baought to stand a good chance holding itself together in a clor

related and equally tough form competition.

The PE250 has had a set of tim lights and a longer muffler fittee but is still pretty much it motocross mixture as before although this is as to be motocross when the motocross we have all the motocross of the competition of the compe

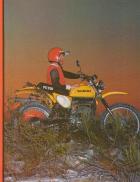
components required an almocomplete redesign of the crankshron the timing side and a detmodification to the outer crankes cover as well.

shaft is longer with a criterian tap to accept the external flywheel, bigger main bearing is also user. The large external flywheel offer more occupit down low in the rerange (essential for climbing thou never—ending muddy hills!) an greater momentum when the engir is on the boil.

The original flywheel rotor assembly measured 58 mm on the RM model, but is a whopping 107 mm (4.2 mm) on the PE. A large, thick crankcase bush-plate is fitted and the exhaust muffler lapping the through-the-frame expansion chamber has been designed with maximum silencing and minimal power loss very much

in mind.

The induction system is controlled by both piston ports and read valve assembly, and the six-port scavenging system has also





trail onslaught. Much to our surprise the bike is also quite roadable.



SUZUKI'S ENDURO WINNER design. The exhaust port height has

been lowered to allow for better bottom-end power, and it's immediately obvious when idding the machine. An incidental advantage of the "dower" exhaust port timing is the very brisk throttle response, even with the housier fly wheels and larger rotor. Suzukr's much-vaunted pointless settless extend (PER) has been

throttle response, even with the heavier flywheels and larger rotor. Suzuki's much-wanned promites retained, and it performed utterly retained, and it performed utterly reliably during a very wet testing program. In a welcome waturn to sanity, the exposed fork legs on the close-fitting rubber boots, the factory obviously realising the machine will probably be used for trail riding between events and for trail riding between events and prognonly for he-sall life. In epoly reaconable for he-sall life.

The frame remains very similar to the RM. It's chrome-moly, and semi-cradle design with the long-travel rear supersion. The shocks are titled forward at an extreme angle, and are the gas extreme angle, and are the gas needle roller bearings. Front fork movement is a very good 195 mm necessity of the rear (measured at the wheel spindle) is a respectable.

A larger, re-designed alloy feel tank is used and we're pleased to see it's also fitted with a large diameter filler meck. It is a very neat shape, in so way obstructive. The seal in the extreme, and well confoured to allow maximum keverage to the wide, high handlebars — but oft so high off the deck! To a rider with snything other than still the legs the saddle master of the confoured to allow maximum matter of necessity! Well, if it's

good enough for Guston... Leghtweight image aim also y is used in many of the castings and this helps to keep the weight down to be compared to be compared to be compared to be compared to the compared to be compared to be compared to be compared to the conference of the conference

Comparatively minor modifications to the original motocross powerplant have offered the enduro machine a wide torque range and very quick throttle response. Note dimensions of bash-plate.

miniscule lamps - a tiny 15 Watt the factory occasionally supply parts for older, defunct step throughs. Never throw anything out, that's the name of the game? The headlamp throws a pale amber glow on the road ahead which serves only to announce your presence to the deaf bystander, and the tail-light, mounted to the rear guard by a pery flexible rubber bracket goes out the moment the headlight is switched on! Suzuki is saved by the strong school of thought which considers that getting such a machine to the peak of efficiency in these regards is part of the charm of owning a pukka Enduro iron like the PE250. anyway. We don't agree . . .

Long-travel res asspension brings with it the bosus of much better handling and an acceptably comfortable off-road rids, and acceptably comfortable off-road rids, and an acceptably comfortable ride on pared results of the statement by a remarkably comfortable ride on pared results as well controlled on the PE as roller-type tensioner fitted par roller-type tensioner fitted par box approach to the parabox apportant behind the parabox apposite to the state of the state o

To round off the package, Suzuki has fitted the FF220 with a new set of wide-ratio gars, with internal ratios varying from low gear at 2,666-61 (the RM250 was originally 2,076-1) to fifth M250 was originally 2,076-1) to fifth M250 was originally 2,076-1 to fifth M250 was originally 2,076-1 to fifth M250 was originally 2,076-1 to fifth M250 was not set to be set to

reduction of 8.854:1.

In effect there is a gear for every occasion whether dragging the bike out of a bottomises bogbole up a near-vertical rock-stream cliff face or trying to launch H into other control over a 10-stoney jump. And if the gear ratios are well chosen, the gear ratios are well chosen, the companies of the same of

simple little pin on the carby's side to control the choke, starting procedure is pure basics. It required the old-fashioned "long-swinging kick" and some beef to spin the engine quickly, but the donk would spring into life with no more than two or three kicks and idle surprisingly smoothly.

The gearchange travel is very short and we couldn't beat the box, with or without the clutch, even though its the instant "in out — look out" variety and took some getting used to. The handlebar lever movement was about what you'd expect, but the throwout



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Suzuhi's long-travel rear end with the very forward mounted gas shock has been labelled "Tru-Truc" by the factory — and true to name the machine both tracks well and offers a very well-sorted suspension all round. Pits about the rear broke though.





SUZUKI'S ENDURO WINNER

mechanism is apparently race-bred?
The immediate impression is one
of sitting on the top of a tail ladder
with a motorcycle seat on it, a
situation impossible to svoid with
a motorcycle seat on it,
a situation impossible to svoid with
mechanism in the seat of the seat of the
get out of hand because a steadying
ice could hardyt touch the ground.
Forget if The bike was so very
managasible that the most lurid of
controlled, with both feet glued to
the foortests?

And it was quite at home when well onto the sidewalls and pounding the auspension hard over does put as or coming back to earth after a long jump. The action of the was such that a lot of riding over softer surfaces was possible while remaining more or less normally assated. But the suspension was a cort of road extra core or less normally assated. But the suspension was a cort of road extra a so what else is new? You can't always up precisely where you would like while hustling through a fax, rocky seatten, anyway. The contract consideration of the contract of the contract consideration of the contract consideration.

The most important consideration is a bike which is strong enough, at least reasonably

Real strength at both ends. Both frame and front suspension strength and performance is extremely impressive. Note slider is now guitered. We had to rely heavily on the front brake of the test machine but it was utterly dependable in extremely demanding conditions.

SPECIFICATIONS

| MAKESUZUKI | Secondary reduction 3.848 (50)13) |
|---|--|
| | FRAME: Chrome-moly tube semi-double cradle type. |
| MODEL | |
| PRICE | Steel box section swing arm. |
| ENGINE: Air-gooled single-cylinder all-alloy | SUSPENSION: Front: Suzuki telescopic forks, |
| two stroke. Piston port and reed valve-controlled | double-damped, 195 mm (7.7 in.) of travel, Caster: 60. |
| | deg 25 min, Treil: 126 mm (5 in.). |
| induction. Built-up-crank with needle roller big end. | |
| Ball and roller main bearings, | Rear: Suzuki Tru-Trac LTR, needle bearing pivoted |
| | box section swing arm, forward-mounted shock/spring |
| Capacity | units, pre-piece, double-damped, |
| | WHEELS AND TYRES: Allow rims, 3 x 21 from |
| Compression ratio | wheel with single rimlock, 4.50 x 18 rear wheel with |
| Claimed power 21 kW (28 hp) at 8000 rpm | |
| | two rimlocks. |
| Lubrication Fuel/oil premix (20:1) | ELECTRICS: |
| Carburation 1 x VM3635 Mikuri | Source: Flywheel magneto with factory CDI ignition |
| | Liebrine BV 15W headlang plus teil light (no bettery) |
| | CAPACITIES: |
| Air filter Foom element ignition | |
| Starting system Primary kick start | Fuel tank |
| TRANSMISSION: Gear-driven primary drive through | Transmission 900 cc (1.6 pints) |
| | |
| wat, multi-plate clutch and five-speed constant-mesh | Dry weight |
| gearbox, One down - four up shift pattern. | Wheeltone 1440 mm [56.7 in.] |
| RATIOS (Internal :1): | |
| 181 | Overall length 2140 mm (84.3 in.) |
| 2nd | Overall width |
| | Overall height |
| 3rd | Ground clearance |
| 4th | TEST RIKE SUPPLIED BY: Supuki-Cornell, Grand |
| 5th | |
| | Ave. Carnellia, NSW. |

comfortable, quick enough and which handles well enough. The PE250 is all of these.

The Figure 8 also tueses.
But it's more than just a very good tool for the job because it hands isself well on paved surfaces too, although the very knobbly types are hardy ideal for the job. It was ridden brinkly for a day or two on streaming roads and handled these with case, amazing many road machine punters and the PE's rider

as well.

The engine runs petroil
lubrication requiring a 20:1 ratio
mix. And there is some oil smoke
noticeable at low speeds.



This was even more noticeable on the road because the brakes which are not really designed to do the job under high speed road conditions anyway — were quite good under most conditions, but the rear would not work when wet.

good unper most constructs, using the rear would not work when wet. In the Enduro scene that 's a most han slightly serious failing. It may well have been a little trick of the test machine — It's hard to imagine this to be a fault of a blice which has racked up such an impressive list of wins in molocross form. Overall, the FE has had a lot of care larished on small and seemingly inconsequential things all

a moment and has the essential proodometer included. And it's spe mounted very flexibly and tucked goi in.

The control cables have rubber and

Probably the only quirks in the bible's whole off-road performance seers with both ends sound right in the control of the control impressive package, made more so by excellent damping.

protective caps on both ends and performed perfectly, along with other clean-running goodies like the huge foam air filter and bullet-proof ignition system. The bike's finish is listed as Philosten. Yellow (whatever that is?) and the first small batch began its production run in September,

A reputation as an honest motocrosser preceded the new machine and should ensure a long production regardless of it being specialised. You can bet there are going to be some FESSo in your local Enduro before very long and just watch 'em go!

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