SUZUKI'S NEW

THE OLD ADDAGE: CLOSE ONLY COUNT UNFORTUNATELY HOLDS TRUE IN THI A NEWLY GROWING SEGMENT OF ENDURG





Dirrit Treast

ounding into the enduro field with the customary muddy and a lot of RM knowledge Suzuki has added the PE 250 to their line of off-road motorcycles. The main reasons for the bike are obvious. There's a new market opening up in the two-wheel world, a market that caters to the rider who wants a real fun-Sunday-kicked-back trail riding. Yanfaha has their IT line, Honda sells the MR series and Kawasaki has 1978. Suzuki didn't want to be left out in the cold and off the sales figures, thus the PE 250 was born. And of the PE series next year

At first glance, it looks like a pregnant RM 250. The larger capacity squarely styled gas tank, a headlight, numberplate/speedo combination up front, and the large muffler give it a

swolen look.

Many of the components on the new PE are from the RM stables. For instance, the engine is basically an RM unit. The internal combustion chamber and related parts have been modified to tame the powerband, giving you better torque and a more cooperative range of ponies spread over a bigger beeding ground.

somewhat. Instead of the close ratio RM cogs, the PE goes for a higher overall gear ratio situation, but still retains a selection of five different gear plateaus to play with.

The reed induction system is still doing the main chore of feeding the proper amount of fuel into the cylinder, by means of a 36mm Mikuni carb. Ignition has been changed so that both the headlight and tallight builbs will burn, derived by adding lighting coils to the PEI unit.

The frame is all RM. No additional.

bracketry or doo-dads have been added to clutter up the package. The sealed to clutter up the package. The sealed to clutter up the package the sealed to the package to th

Kayaba. Up front you'll find telescopic oil-dampened forks (without the addition of air, like the RM models) offering you 7.17 inches of travel. The rear boingers are also Kayaba oring tension goodies like the morcross machines.

With a claimed weight of 240

pounds, it isn't the lightest endure machine around, bucking heads with the IT 250 Yamaha for the "Slightly Pudgy 250 Enduro" award for 1977. Some folias feel that it's just an RM with lights. It's not, but it does have a lot of the RM influence, and the majority of the machine is designed using the RM motocrosser as the ba-

by just sitting on the motorcycle, you'll sind that the seat is a tad on the hard side. It feels as though your rear end would get sorce after a few miles. Fortunately Suzuki has found (ike many others) that a soft seat leads to a sore butt. After a few hours of niding, you can "cheek customize" the padding, and find that although your first impression was that you're sitting on a sightly padded board. He seat is actually not

The strangest part is the gas tank. Because of the machine's overall looks, you expect the smaller thinned down ribt fank when you swing a leg down ribt fank when you swing a leg with a square-styled 3.2-gallon tank that's taller, which are down close to the engine. The feeling of the stank of the stank

gas stop in an enduro or Two-Day

offensive at all.

The handlebars are smaller in which than those found on the RM series, mainly so that you can go save the series, marky as that you can go save that the series of the ser

object the engine, so that you don't up the engine, so that you don't up the end will oble will your gear out after picking your way through a bidger teeth to grab your boots better when the going gives time. Suspension of you'd properly the work of the grifting switches are within coll-diampered forts (without the initial and the significance will also also the same and the same

switch for the front headlight beam. The rear taillight also is a two filament bulb, burning while riding, and

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brightening when stepping on the brake pedal. It wouldn't be too hard to street legalize the PE 250 in many states.

In the performance department, the bike excels in one point, and is disappointing in two aspects. The outstanding feature of the machine is the engine's powerband. When riding the bike, it doesn't feel or sound as though it's pulling hard from the low rpm range, yet you notice the large amount of torque that is there to play with. The engine pulls strongly from the bottom, makes the mild-range transition nicely, and still has the

good screaming top-end power of the RM series.

It starts easily, the carburation is just right for the intended purposes, and you won't find too many situa-

peddle because the low end torque of the engine wasn't enough to pull you over, up, or through that six-mile-per-hour section. Where the machine falls short is in

the suspension and gear ratio section. Both of these areas, extremely critical on an enduro machine, just don't coincide with the rest of the machine's performance.

the suspension on the whole is too mushy for your average enduro. At a comfortable speed on the trail it's about two bumps behind you.

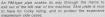




will get you along for half a day's worth of trail riding without going dry. The safety strap over the gas cap to avoid dropping or losing the unit is a good idea.

away from the RM. Pipe is quiet and mounted so that there aren't extra stress points vulnerable to breakage.





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To help waterproof the machine, Suzuki has put on a very tall air box system to ward off water. The footpegs and brake pedal should be larger, and that cursed pull choke rod is still around.



UZUKIS

tention of just trail riding on a leisurely Saturday afternoon, enjoying

Along with the spring rate the compression stroke, when the forks are pushed down by striking an oballowed to compress too easily and too quickly for enjoyable riding. Admittedly some of the problem stems from the light spring rate, but with a slower and tighter compression rod and orifice design, the machine would be more pleasant to ride. The

The rear suspension is also suffering from the same dilemma. The springs are too soft for the average rider, the compression and rebound strokes are too quick, and the overall performance of the machine is hampered by the fact that when you do too slowly and takes too long to pre-

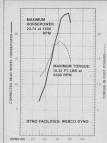
pare itself for the next bump. The third drawback that we found in the machine is the gear ratios. They just don't live with the powerhand. In first and second gear there is a nice match and smooth flowing performance. The powerband works well with the machine, and the transition between first and second is smooth. There is a small spot at the bottom of second gear when the engine's powerband isn't capable of pulling cleanly and strongly, leaving you with a flat snot where available

power is at a minimum. From third gear on up, the ratios are too tall, and don't coincide or regaps, most noticeable when shifting fourth. If you're not in a hurry, this problem probably won't bother you and enduro competition, you'll discover situations where the power is cause the engine can't get in its good powerband area because of gearing.

There are also other small items that we felt should have been modified more. For instance, the rear wheel design. On Yamaha's IT 250 there is the new quick-change system for on-the-trail repairs. The Suzuki is equipped with the same setup as the RM series, and doesn't allow you to take off either wheel quickly or easily, without a lot of spacers and various odds and ends that fall out or get lost. A guick change rear wheel would help the buying capacity of the machine.

As mentioned before, the footpeas are too small and don't have large enough teeth to sufficiently grab your boots when leaving water crossings or muddy sections. We also felt that the seat and the rear fender so that





SUZUKI PE250	\$1450
PENTON 250	\$1851
YAMAHA IT250	\$1348

POWER	SUZUKI	PE250	23.		
	PENTON	250	31.5		
	YAMAHA	1T250	(NC	T AVAIL	ABLE)
	10	15	20	25	30

BHT	SUZUKI PE250	256lbs
	PENTON 250	235lbs
	YAMAHA IT250	247lbs

RANS-	SUZUKI PE250	5-SPEED
	PENTON 250	6-SPEED
	YAMAHA IT250	5-SPEED



TEST	BIKE:	SUZUKI	PE250	

Price, sugg. retail
ENGINE
Type Piston and reed valve 2-stroke sing
Bore/stroke
Piston displacement
Compression ratio 7.0:1 (corrected
Carburetion Mikuni VM36S
Air filtration Polyurethane foa
Ignition
BHP @ rom 23.74 @ 750
Torque @ rpm
LubricationOil in fu
Electrical power
Battery Nor

DRIVETRA	N			
			gear (2.727)	
			ulti-plate, wet	
			chain (3.846)	

Gear ratios, o	overall :11st	18.35; 3rd 1 4th 9.57; 5th	
CHASSIS & S	SUSPENSION		
Suspension,	front	Telescopic	

Tire, front	3.00-21
Tire, rear	4.50-18
	5.9 x 1.1 in. (150 x 28 mm)
	5.9 x 1.1 in. (150 x 28 mm)
	.40.7 sq. in. (103.4 sq. cm.)
Rake/trail	29.75°/4.96 in. (126 mm)
Wheelbase	
Seat height	
Handlebar width	31.0 in. (78.7 cm)
Ground clearance	10,3 in. (26.2 cm)
Instruments	Speedometer, trip reset.

Tire retention device(s)Security	bolts;	front	2 rear	
WEIGHTS & CAPACITIES Fuel capacity		2 gal	(12 18	1

Weight, wet, unladen

......1.9 pt. (900 cc) .256 lbs. (116.1 kg.) MOTORCYCLIST/APRIL 1977 29

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mounting a tool pouch is possible without jamming or breaking the tail-light or seat mounting brackets. The brake pedal surface is a bit too small and the kick starter ball joint is vulnerable to getting stuck in the closed position due to the lack of a protect.

the clutch actuating arm on the right side case. Being out in the open, although it is protected by the skid plate, leaves if susceptible to branches, and mud stoppage while

In overall performance, the machine is "nice" but doesn't quite cut it in the enduro or Two-Day competition aspects. Hopefully, Suzuki designed this machine as a holdover. They knew that Yamaha was coming out with the new IT line, and we are quessing that the PE 250 is here bathat they're getting into this newly born field of enduro machines, and the 1977 PE 250 sert a finished product, Perhaps they're tooling up of the 1977 PE 250 sert a finished product, Perhaps they're tooling up enture the sert machine, one that is more ent machine, one that is more enture thought out and thorough. As it stands now, the PE 250, with its sus-small unfinished particulars, doesn't come head to head with Yamaha's come lead to head with Yamaha's come of the perhaps they will be served to be served to the served they will be served to the served





With different porting and a milder intake system, the PE's engine has excellent lower end power and mid-range juice. Unfortunately, the powerband doesn't coincide with the gearbox, much like an MR Honda.

be removed easily from the upper fork tubes in about 20 minutes. Tucked securely and safely behind the number plate is the speedo, complete with resettable odometer.





One of the nice goodies on the machine is this chain tensioner that takes up the stack due to the longer travel suspension. Supposedly by exchanging your 520 chain for one of the #530 size, you can eliminate a lot of problems caused by the chain hopping off sprockets. 30 MOTOROYCLIST/APPL 1977

for the PE machine. The tront suspension problem resides inside the lower legs. The damper rods and springs aren't just "right" for off-road riding and their performance falls below the norm.