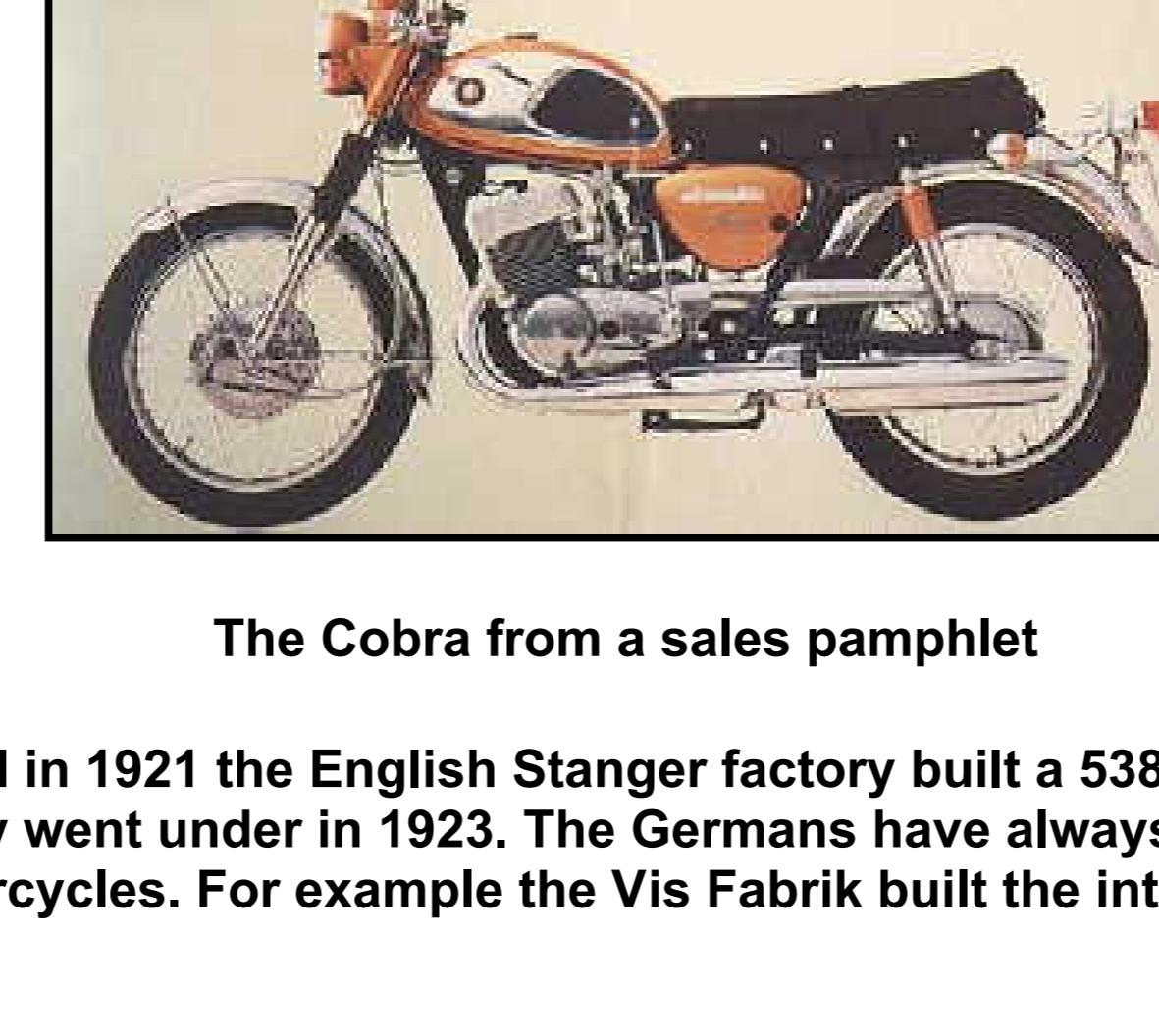




The SUZUKI COBRA THE BIKE WHICH COULDN'T BE BUILT!

The bike which couldn't be built - the Suzuki 500cc Dual Stroke". So went the proud boast of the Suzuki advertisements of the late 60's. For a buying public conditioned to two-stroke BSA Bantams and Villiers engined motorcycles, the 500cc Cobra twin was simply too large to run without seizing. Only Scott had been able to make large capacity two-strokes successfully and then only by using water-cooling, but there had been others who had tried hard to succeed. For example, in the 20's, Dunelt made 500cc single cylinder two-strokes for over seven years. Putting out a mild 5hp the Dunelt had tested the large two-stroke market but had not exactly tested the limits of metallurgy.



The Cobra from a sales pamphlet

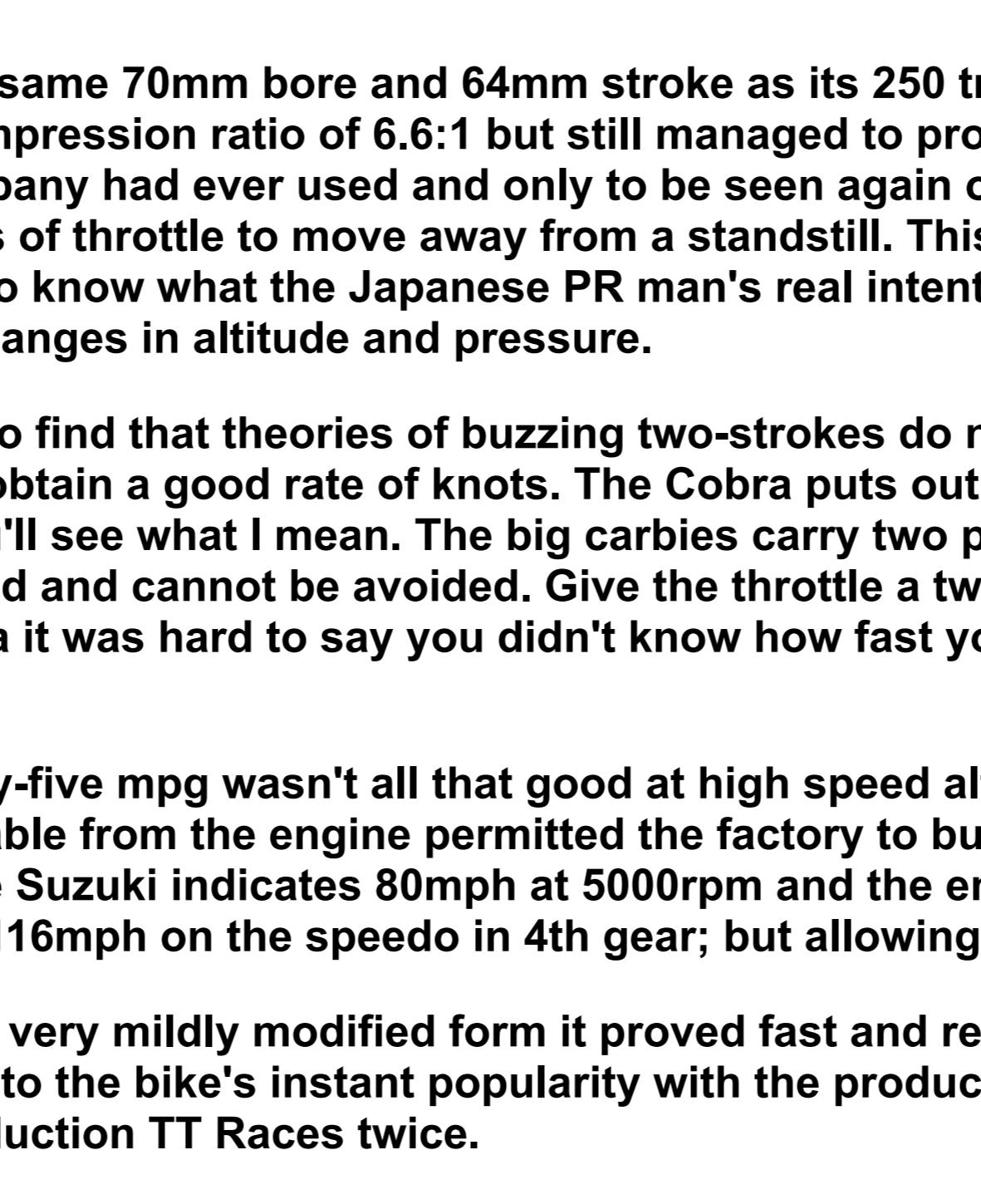
Two-stroke manufacturers however, were anything if not innovative and in 1921 the English Stanger factory built a 538cc two-stroke V-twin which utilised a spring frame. The engine however, not surprisingly, tended to overheat and foul its plugs and the company went under in 1923. The Germans have always been innovative in the field of two-strokes (witness Maico, Zundapp and DKW) and from the early days they tried to build large two-stroke motorcycles. For example the Vis Fabrik built the interesting Vis-Duplex in 1924. This machine was a horizontally opposed two-stroke twin of 496cc built "in line" with the duplex frame.

The Vis-Duplex, much like similarly bikes suffered from overheating of the rear cylinder and was only built in very limited numbers. DKW had more success with a series of 500cc and 600cc air and WATER-COOLED twins in the late 20's and 30's although they also experienced overheating, fouled plugs and abysmal fuel consumption, particularly under racing conditions. Their racing 250cc and 350cc supercharged two-strokes gained much greater success. Such innovation continued with the German Schliha Company building some strange 498cc and 596cc two-stroke singles in the early 30's. The interesting thing about these short-lived two-stroke bikes was that they utilised overhead valves (I'd like to know more about these machines!).

Puch, tried with its split singles to give the 500cc two-stroke an advantage pre-war and Zundapp experimented with a twin in the 50's but no-one succeeded in putting a civilised large capacity two stroke on the road in any large numbers until Suzuki launched the T500 in 1967. Not only did they make a big two-stroke that worked but they built one which was more reliable than many four-strokes of the time, required less maintenance and featured oil-injection direct into the crankcases along with massive and durable main roller bearings. The Cobra was also disgustingly fast for its capacity and put many contemporary 500cc and 650cc four-stroke twins to shame

In Australia the T500 was also exceptionally good value and proved to be what a large number of motorcyclists were looking for - a simple, robust and comfortable machine able to cruise effortlessly, across our vast distances, admittedly with some vibration and a prodigious thirst. Its value was clear, as for example in May 1970 the T500 sold for \$775 as compared to a Kawasaki Mach III which sold for \$965, a Honda CB450 for \$905 and the Triumph Daytona 500 which sold for \$895. 1967 first saw the introduction of the Suzuki 500 twin. Initially known as the 500/FIVE (to celebrate its five speed gearbox) the model was possibly the first large capacity Japanese bike to demonstrate some sporting potential. Japanese technology was just waiting to be unleashed on the unsuspecting British motorcycle industry and the Cobra was to herald the arrival of the Superbike era. Sadly for the Suzuki 500 its generous performance and sound engineering was soon to be eclipsed by the release of the Honda 750 and the Kawasaki 500 triple a year later

The 500/FIVE itself was a short-lived model, seemingly only seen in any number in the United States, and was quickly replaced by the Cobra. The most significant change to the original model was given little publicity at the time despite its dramatic effect. The swingarm of the 500 Suzuki was actually changed from 52.7 inches on the 500/FIVE to 57.3 inches on the Cobra. This is a very radical change on any bike but on the Suzuki 500 the longer wheelbase contributed to the bikes reputation for sure-footed and stable handling. For Australian riders it was also very useful as the extra length of the machine made for a comfortable tourer with plenty of room for mounting carriers, saddlebags or panniers.



The first Cobra from a sales pamphlet - note the short wheelbase.

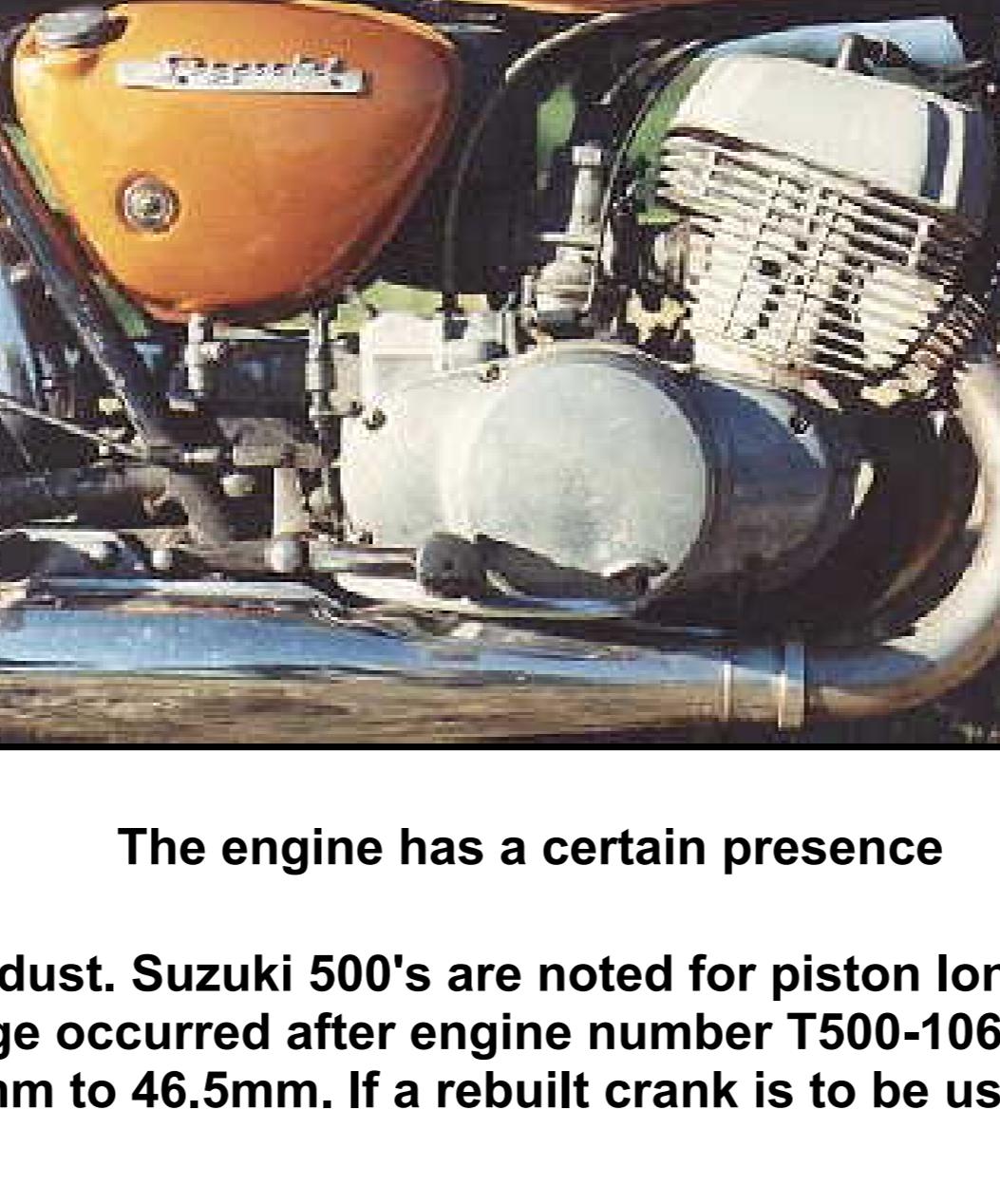
The Suzuki Cobra was a relatively simple two-stroke which utilised the same 70mm bore and 64mm stroke as its 250 trail-bike cousins were to use (and in turn as the 750cc water-cooled triple would also use). The Cobra had a true capacity of 492cc and a mild compression ratio of 6.6:1 but still managed to produce 46hp at 7000rpm. The Cobra produced this power through a whopping great pair of 34mm Mikuni carburetors - the biggest the company had ever used and only to be seen again on the company's 400cc trail and motocross singles! Despite the large carbies the engine is very tractable and does not require great amounts of throttle to move away from a standstill. This tractability could be attributed to what the Suzuki factory at the time described, wait for it, as the "Homo-pressure" type carburetor (I'd like to know what the Japanese PR man's real intention was when he came up with that one)? The Mikuni's actually have probes in their intakes (this is getting worse!) which compensate for changes in altitude and pressure.

In fact one of the pleasant discoveries of riding a 500cc Suzuki twin is to find that theories of buzzing two-strokes do not apply to this engine. The Cobra produces readily usable power from low revs and does not need, nor necessarily like high revs, in order to obtain a good rate of knots. The Cobra puts out 37.5 lb ft of torque at 6000rpm, compare that to the contemporary BSA 650cc Lightning which produced 39 lb ft of torque at 5750rpm and you'll see what I mean. The big carbies carry two penalties with them, the first and easiest to live with is the intake noise. Despite the large airbox and air filter the engine intake noise is very loud and cannot be avoided. Give the throttle a twist and the resultant howl from the carbies drowns out the rather uneven plip-plap exhaust note. If you were pulled up for speeding on a Cobra it was hard to say you didn't know how fast you were going, you certainly didn't need a speedo to tell you, the superb intake howl told you clearly enough.

The less useful attribute of the big carbies was fuel consumption. Thirty-five mpg wasn't all that good at high speed although forty-five mpg was more common around town. At country cruising speeds fifty mpg was not impossible. The low rev power available from the engine permitted the factory to build a fairly high geared gearbox for a 500cc motorcycle. The Suzuki copes well with touring pulling 3000rpm at 50mph and 4000rpm at 65mph. The Suzuki indicates 80mph at 5000rpm and the engine feels comfortable at these speeds and not at all fussed. The bike will top at least 110mph (theoretical top speed being 117mph). I have seen 116mph on the speedo in 4th gear; but allowing for speedo error this could not have been more than 102mph.

The Suzuki 500 was taken to the Daytona 200 mile race in 1968 and in a very mildly modified form it proved fast and reliable finishing 5th and 9th out of a field of 80 machines. This ability to run fast and strongly without any adverse effects on the motor contributed to the bike's instant popularity with the production racers. In England for example the Suzuki ran basically unchanged and without special cylinders or exhausts and won the Isle of Man Production TT Races twice.

Barry Sheene rode a road racer version with the help of frame maker Colin Seeley and won several significant races on it. Jack Findlay went on to win a world championship race (the 1971 Ulster GP) on a 500 Suzuki that was so similar to the production engine that it is still said to be the closest thing to a championship victory on a road bike. The Cobra evolved into the T500 Titan in 1970 and eventually into the GT500 in 1976.

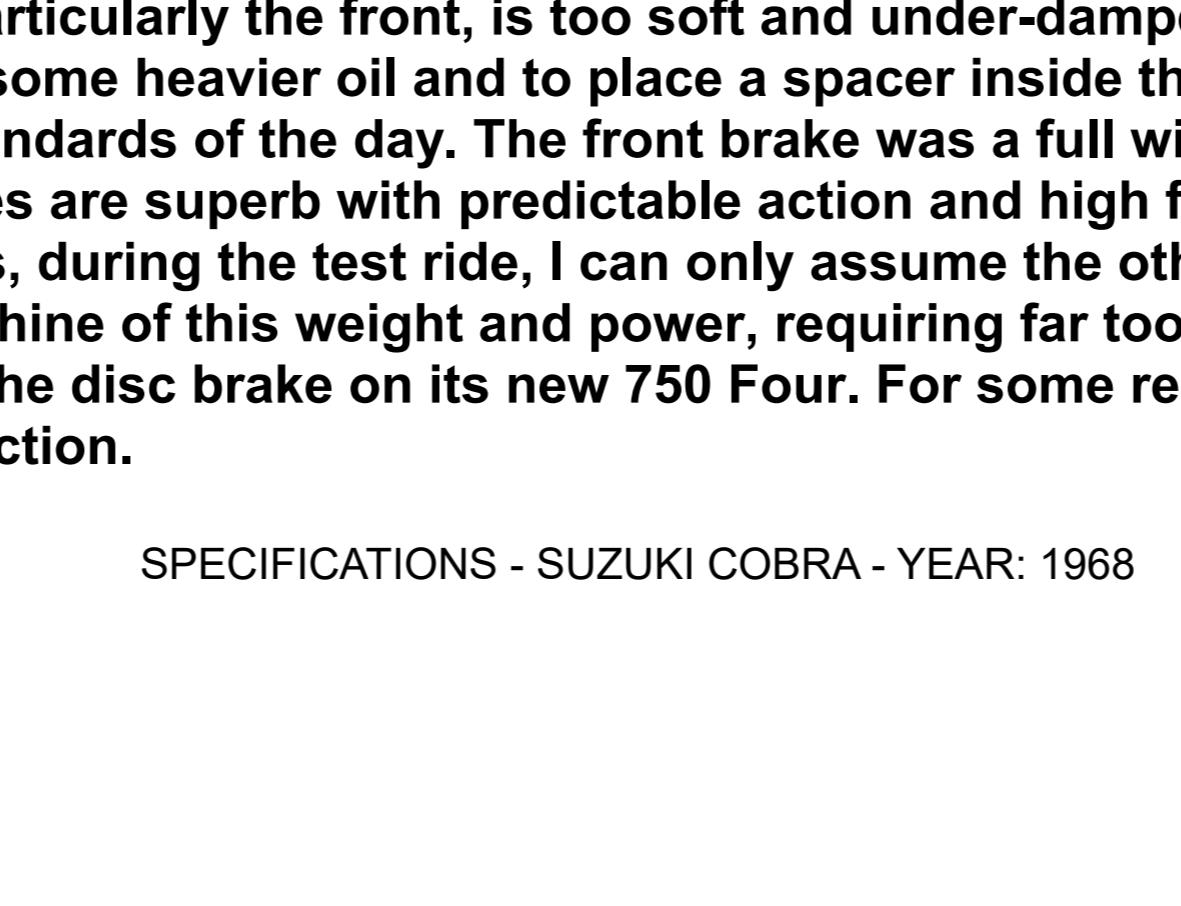


The more common Cobra. One with a longer wheelbase

The model finally faded into obscurity at the end of 1977. A production span of 11 years is nothing to be sniffed at and indicates that the Suzuki was well put together and was able to enjoy a loyal following. The low purchase price maintained throughout its life probably contributed to its popularity. The Cobra was produced for 3 years before the Titan was introduced. The Cobra didn't run for this long without changes and except for the swingarm mentioned previously, the most significant changes took place in the motor. The pistons and cylinders were changed in 1969 and naturally enough early pistons should only be used with early cylinders.

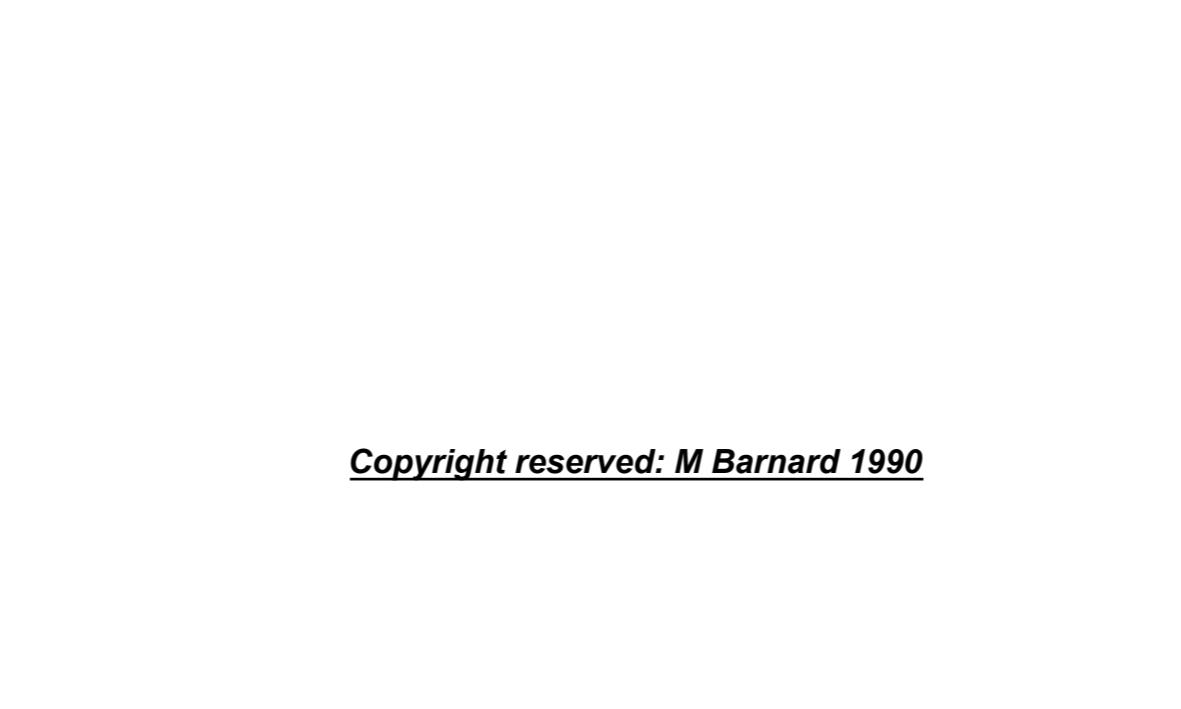
The Cobra pistons can be easily recognised by the transfer port windows in the piston skirt. These windowed pistons not only cost more to manufacture but were reputed to be stronger than notched pistons due to their full circumference skirts. In practice if the engine was mightily abused and revved beyond 7 grand for too long, as for example on the race track, there was an off chance that the piston skirt would fracture and fall off with disastrous results.

The windowed pistons were also claimed to run quieter than notched pistons. This is unlikely in practice and significantly the piston to cylinder clearance of a Cobra piston was 0.0071-0.0075 inches. The later pistons ran with a much closer tolerance of 0.0026-0.003 inches. The early Cobra barrels can be recognised by the fact that they have only 10 fins while the later ones have 11 fins and slightly altered ports. Whilst few of the early barrels survive there are heaps of the early windowed pistons around.



The engine has a certain presence

One shop in Perth has boxes of the early pistons sitting around gathering dust. Suzuki 500's are noted for piston longevity and the bike is likely to wear out before the motor requires a reboore, barring bad maintenance or extreme rider abuse, of course. Another change occurred after engine number T500-10659. From then on crankshafts were supplied with larger diameter con-rods (the outer diameter of the big end of the rod was increased from 41.5mm to 46.5mm). If a rebuilt crank is to be used in an early engine then the crankcase stuffing ribs must be ground down, on both upper and lower cases, by 0.040 inches.



A solid looking motorcycle

Most importantly, Cobra gearboxes took a recommended 1200cc of oil whilst later models (from the T500L on) took 1400cc. Prolonged high speed running could starve fourth and fifth gear of oil and overfilling was ineffective as the extra oil merely flowed into the clutch chamber. The engine needs to be split and a rubber partition installed on the primary oil transfer chamber of the lower crankcase half. Suzuki supplies a part for this purpose (part no. 99104-08800).

Riding the Cobra exposes the Cobra's weak points. The suspension, particularly the front, is too soft and under-damped. At speed the front end pogoes up and down although never enough to get the steering out of shape. One way to stiffen the forks up is to add some heavier oil and to place a spacer inside the forks to give the springs some pre-load. A harder nut to crack is the front brake. The front brake should be pretty good and it was by the standards of the day. The front brake was a full width 8" twin leading shoe drum and its fitment received rave reviews from the press at the time. One American magazine said as much, "the brakes are superb with predictable action and high fade resistance. The front unit can be encouraged to completely stop the front wheel at any speed". As I found the front brake absolutely useless, during the test ride, I can only assume the other bikes that particular magazine tester had ridden were not fitted with brakes from new! The Cobra's front drum is not a good brake for a machine of this weight and power, requiring far too much lever pressure to be effective.. It is interesting to note that praise for the Suzuki's front drum diminished markedly after Honda released the disc brake on its new 750 Four. For some reason the Suzuki factory did not release a 500 Suzuki with a disc brake until 1976. Well overdue and too late to save a worthy motorcycle from extinction.

SPECIFICATIONS - SUZUKI COBRA - YEAR: 1968

ENGINE: Air cooled two stroke twin, bore 70mm x stroke 64mm

CAPACITY: 492cc

GEARBOX: 5 speed

BRAKES: Front: 8" twin leading shoe drum Rear: 7" drum

DRY WEIGHT: 412 lbs

TOP SPEED: 110 MPH

ACCELERATION: Standing 1/4 mile - 13.8 sec

POWER: 46 HP at 7000 rpm

TORQUE: 37.5 lb ft at 6000rpm

ENGINE No.s: 12518 - 34218

SUGGESTED READING

SUZUKI TWO STROKES _ ROY BACON: OSPREY 1984

SUZUKI 500 TWIN _ OWNERS WORKSHOP MANUAL: HAYNES

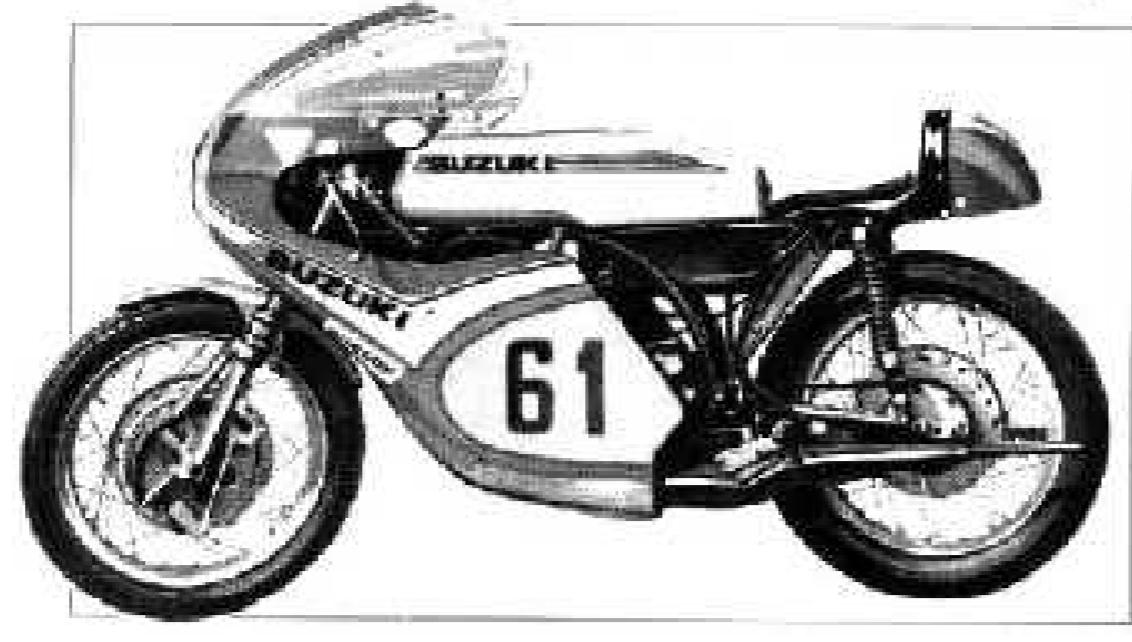
JAPANESE MOTORCYCLES _ C.J. AYTON: MULLER 1981

CHILTON'S REPAIR MANUAL _ CHILTON BOOK COMPANY 1981

CYCLE WORLD ANNUAL _ CYCLE WORLD 1968

SUZUKI 500 FANATICS

The factory racers - the TR500 - Air-cooled and water-cooled



1971 Daytona TR500

The TR500 found its origins in... Boulogne, France. Pierre Bonnet was the French Suzuki distributor and the works team indeed was based there for their first serious onslaught on the Grand Prix world in 1962. By 1967 Jacques Roca, a talented Spanish-French racer and technician had joined forces with Pierre Bonnet after being the distributor for Derbi. Shortly after the new T500 roadster was issued by the Japanese manufacturer, Roca built and raced a racing version that was so impressive that Suzuki, which had officially retired from world championship racing, built a full-race version of the new machine, as well as a 250cc version from the smaller parallel twin.

The author's '72 Daytona TR500



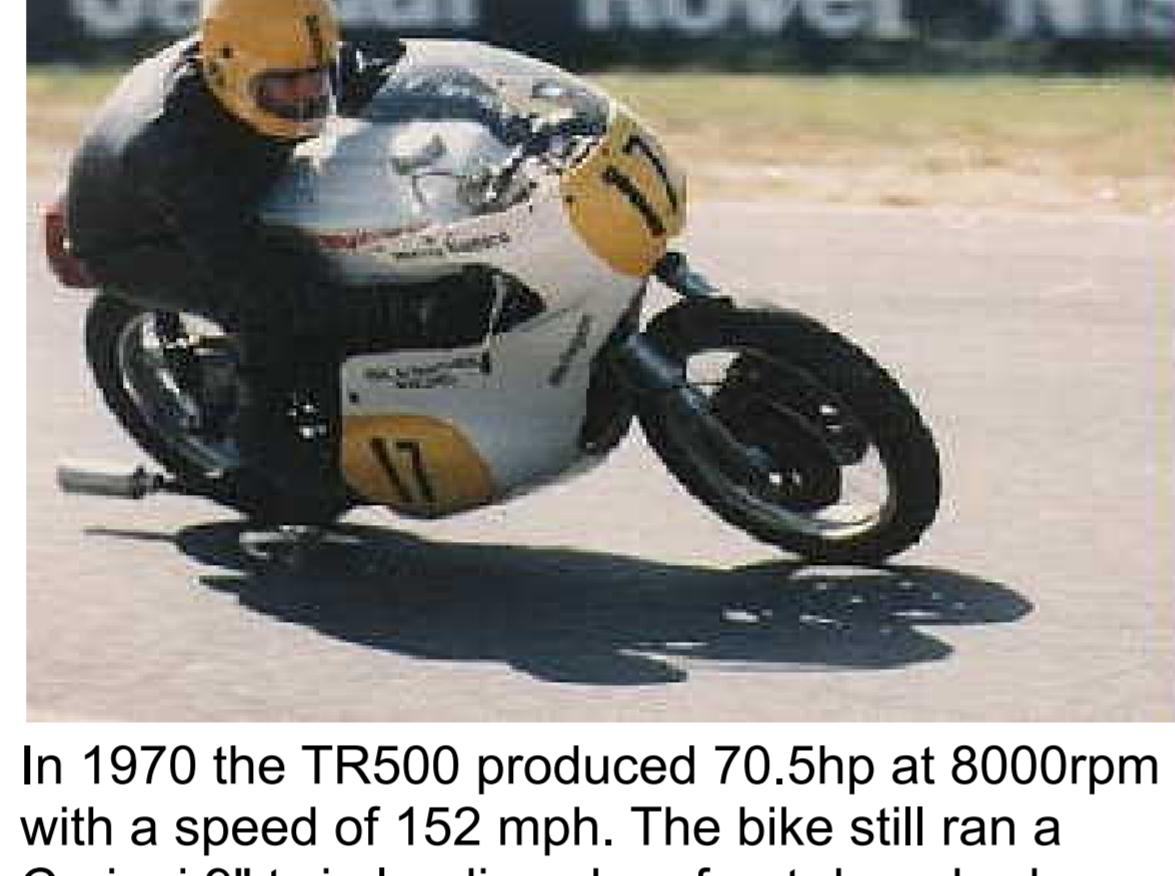
Suzuki realised in the late sixties that racing victories made for great advertising. Suzuki had a good 500cc bike so why not make good use of it. the company developed a racing model from the production version, utilising a new Norton Featherbed inspired frame, called the XR05.

The author's Daytona TR500 showing the featherbed inspired frame



America was where the big sales potential was, so where else to start racing a big 500 but at Daytona. In 1968 the first machine appeared and caused a sensation. it looked mean and went like stink. Shame about the handling though.

Brian Ferguson with the author's Daytona TR500 at a remote road-testing site



The XR05 in 1968 could pull 135mph and produced 63.5hp at 8000rpm. The bike weighed 135kg. The 1969 model managed 64.5hp at 8000rpm and with new gearing was good for 147mph. Ron Grant ran to 5th at the 68 Daytona 500 on the TR500 and Itoh managed 9th.

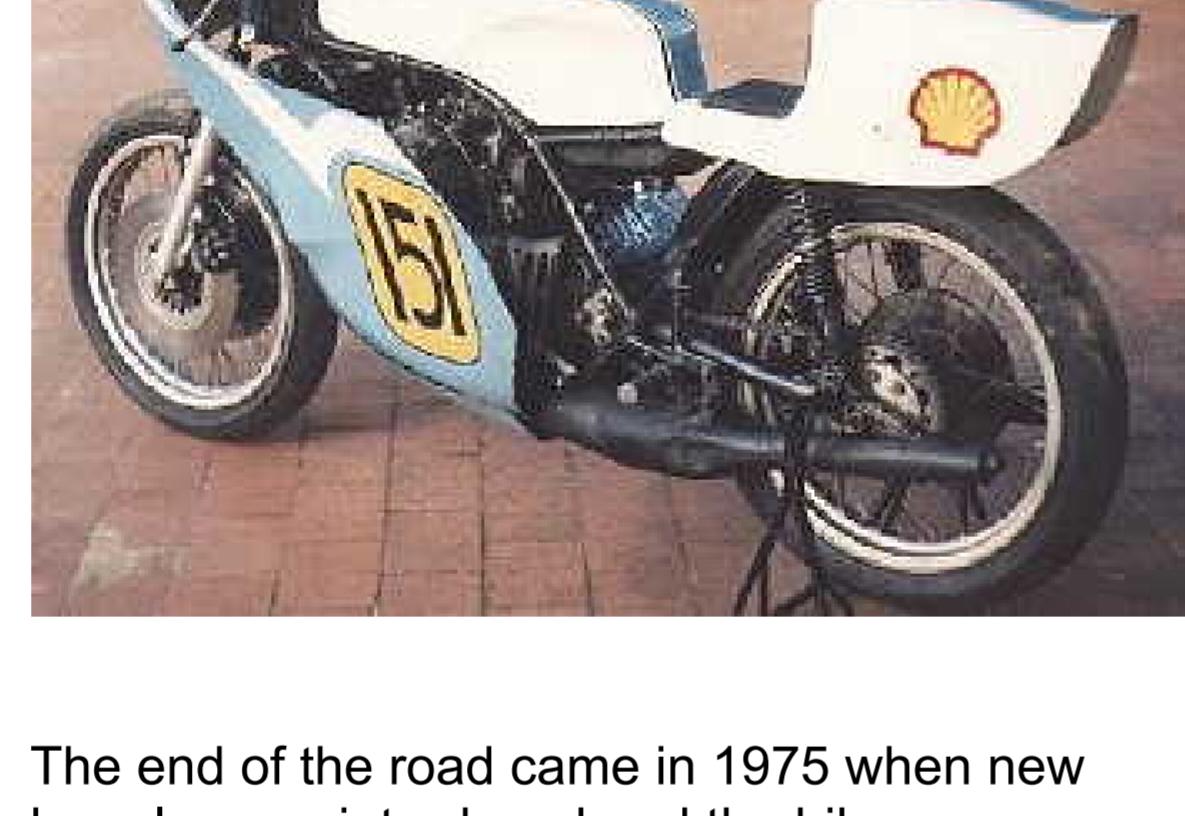
The author's Daytona TR500 at Wanneroo raceway



In 1970 the TR500 produced 70.5hp at 8000rpm with a speed of 152 mph. The bike still ran a Ceriani 9" twin leading shoe front drum brake and Ceriani forks.

For 1971-2 the TR500 ran 71.5 hp and 154 mph from a dry weight of 130.6 kgs.

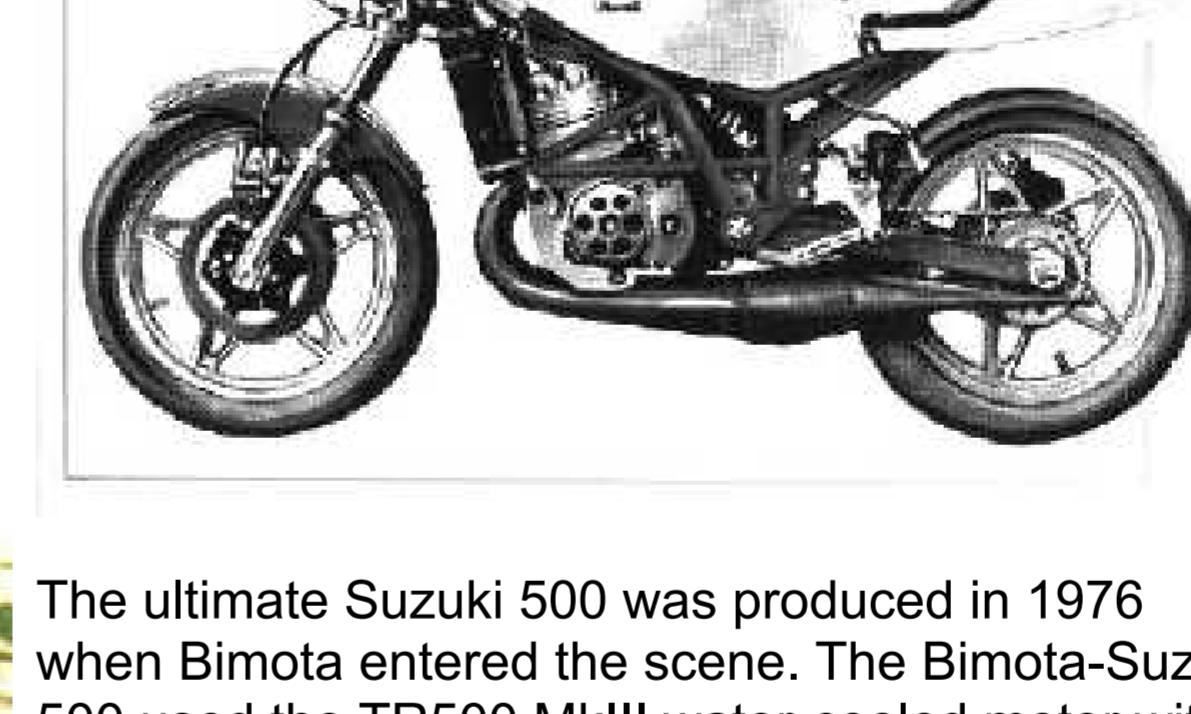
The author's Daytona TR500 in the pits at Wanneroo



The big change for 1973 was water-cooling for the motor. The TR500III made 73 hp at 8000rpm and pushed 140kg. A new frame was introduced for this model which ran twin disks up front and a single disk at the rear. Jack Findlay came first at the Isle of Man on this model.

The 1974 TR500 produced 78 hp at 8700 rpm and could pull 160 mph!

Ken Rick's water-cooled TR500 - this bike was ridden to success at the 1974 Marlboro Series in New Zealand



The end of the road came in 1975 when new barrels were introduced and the bike was producing 80 bhp reliably at 8900 rpm.

The Bimota water-cooled TR500 of 1976



The ultimate Suzuki 500 was produced in 1976 when Bimota entered the scene. The Bimota-Suzuki 500 used the TR500 MkIII water-cooled motor with a dry clutch and a six speed gearbox. The Bimota used a tubular space frame with a monoshock rear suspension with a Koni F1 shock absorber. The Bimota-Suzuki was an Italian Suzuki initiative and if anyone knows where one is, I want one (for free)!!!

A NZ Steve Roberts built Suzuki TR500 with a non-standard tank, restored by John Woodley



A factory Suzuki TR500 with Ceriani forks and brakes. (pic supplied by Michael Pettifer)



An excellent reference on Suzuki racing machines is "Team Suzuki" by Ray Battersby.

Suzuki Daytona TR500 with a John Woodley built frame

Suzuki Cobra

T 500 Cobra 1968
Overall Length: 2195mm (86.4in)
Overall Width: 865mm (34.1in)
Overall Height: 1105mm (43.5in)
Weight: 190kg (418 lbs)
Engine type: Air-cooled 492cc twin, 2-stroke.
46 hp/7000rpm, 5.5 kg-m/6,000rpm.



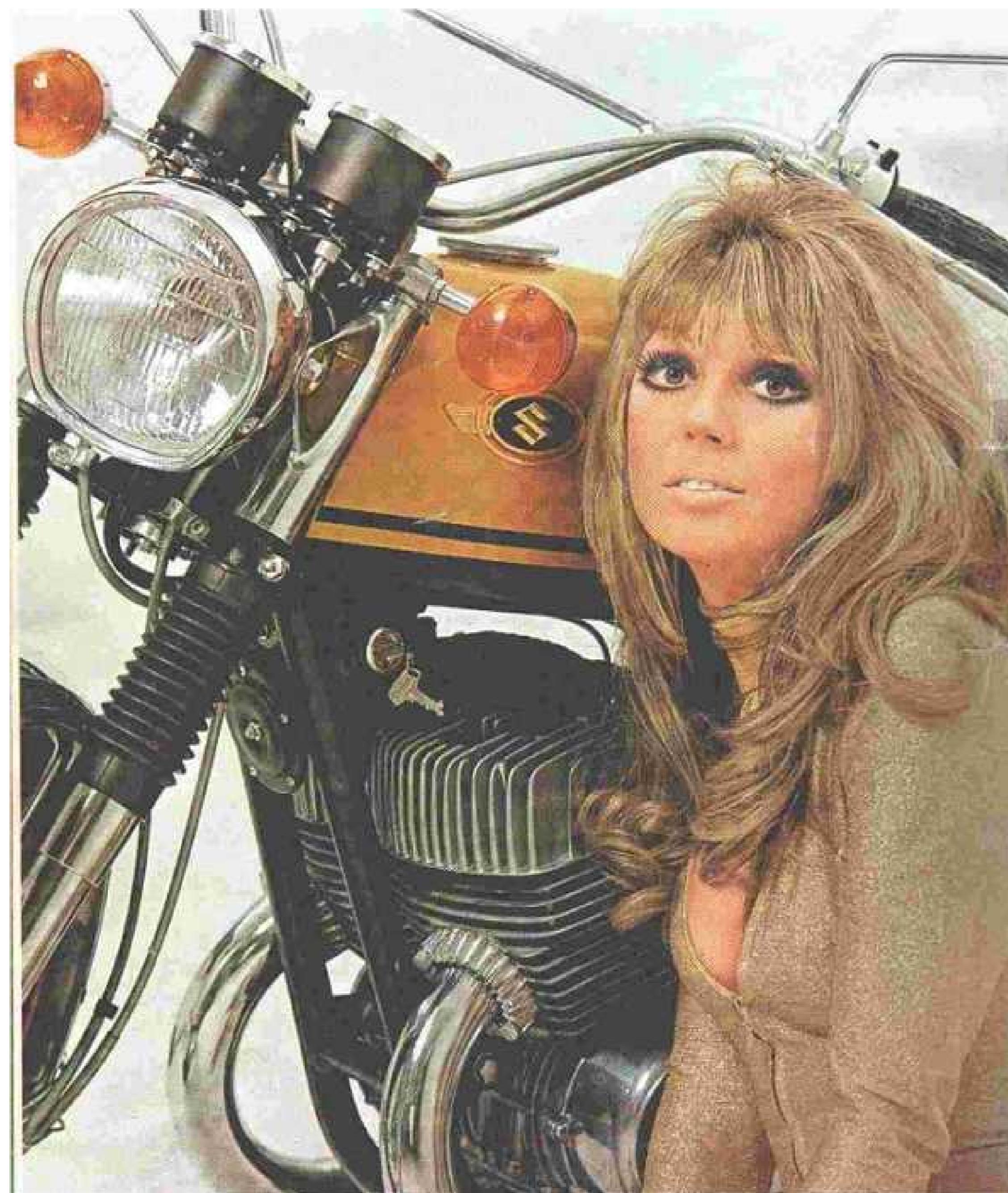
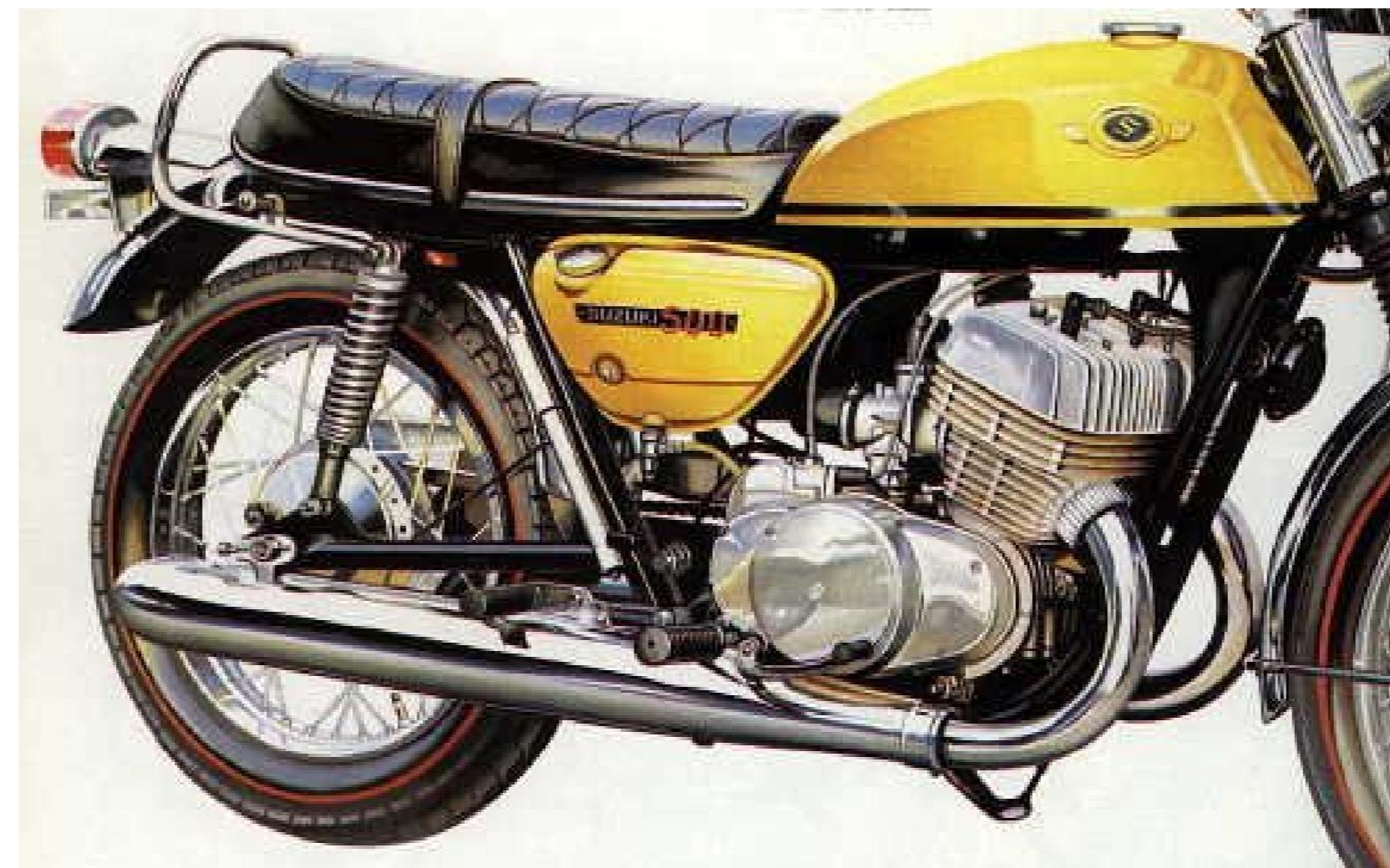
The Cobra racing against modern machinery at Wanneroo Western Australia.

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Suzuki Titan

THE 500 SUZUKI PICTURE GALLERY - T500II -1969

T 500II Titan 1969
Overall Length: 2172mm (85.5in)
Overall Width: 835mm (32.9in)
Overall Height: 1125mm (44.3in)
Weight: 187kg (412 lbs)
Engine type: Air-cooled 492cc twin 2-stroke.
47bhp/7000 rpm, 5.5 kg-m/6,000rpm.



**SUZUKI
T-500II TITAN**

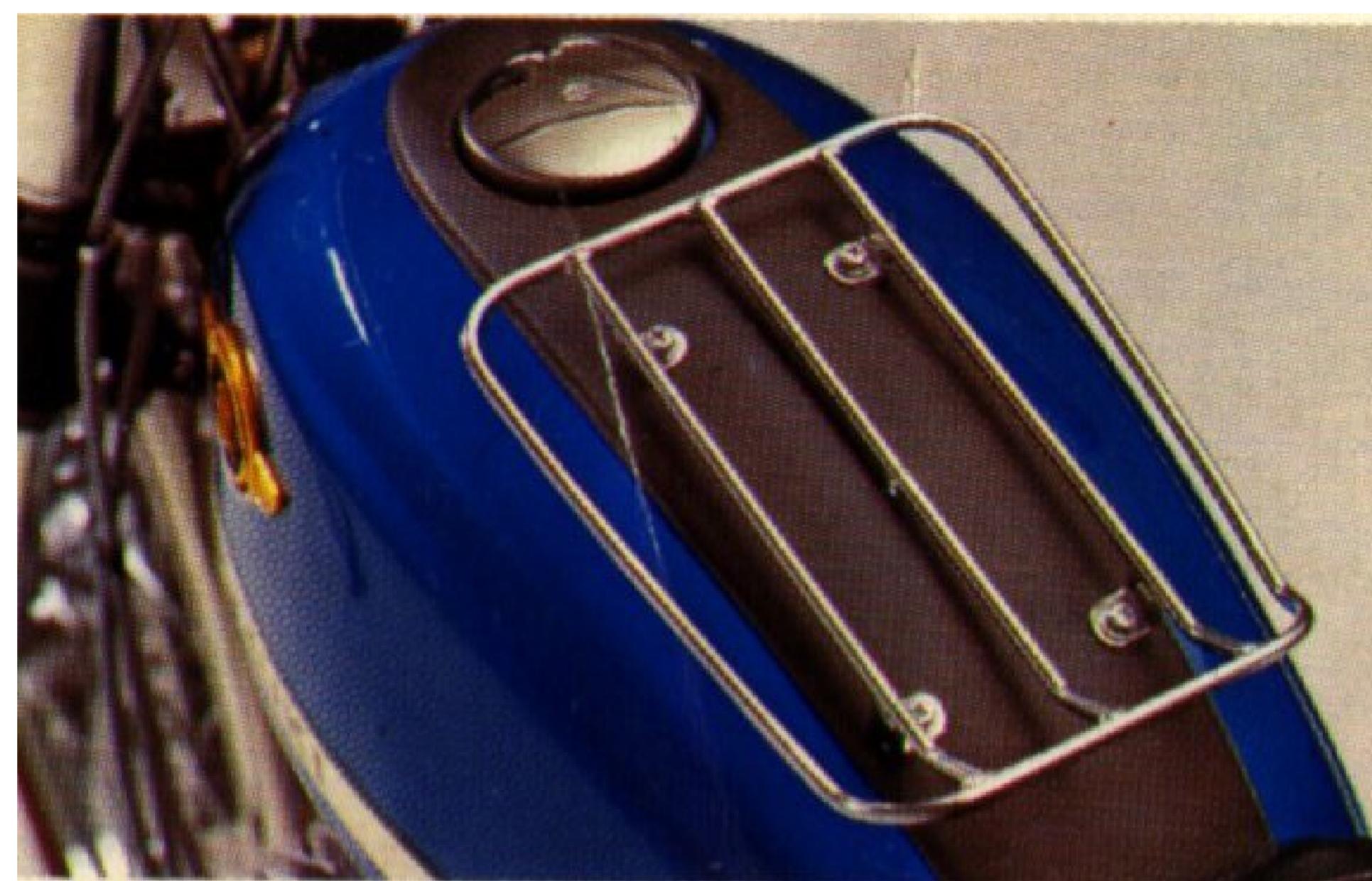


WORLD'S CHAMPION TWO-STROKE 500CC ENGINE
The thundering TITAN. Giant of the motorcycle with a magnitude easily comparable to the conventional 650s on the road. The heavy duty machine navigates with light ease on 47 horses packed under the 500cc engine scuttling at a cool 6,500 rpm. Soars to the maximum cruising speed of 192 kph in seconds with a minimum of effort. The engine is a two-stroke, air-cooled, 500cc, 47bhp, 2-cylinder. The 24mm Mikuni carburetors are mounted on the side of the engine. The 21" front and 27" rear internal expanding rear- - with the help of cast-ripping high speed tires, bring this impressive dreadnaught on the road to a standing halt without a stutter. Easy-to-read separate speedometer and tachometer. Positive Lubrication system. And all other features add up to the Titan's power. New features include a front disc and rear drum. Gold and orange sandy colors, gray racing stripe on the gas tank, red-lined trees and plenty of glistening chrome award this machine a king's throne.

Suzuki Titan

THE 500 SUZUKI PICTURE GALLERY - T500III -1970

T 500III Titan 1970
Overall Length: 2195mm (86.4in)
Overall Width: 865mm (34.1in)
Overall Height: 1105mm (43.5in)
Weight: 187kg (412 lbs)
Engine type: Air-cooled 492cc twin 2-stroke.
47bhp/7000 rpm, 5.5 kg-m/6,000rpm.

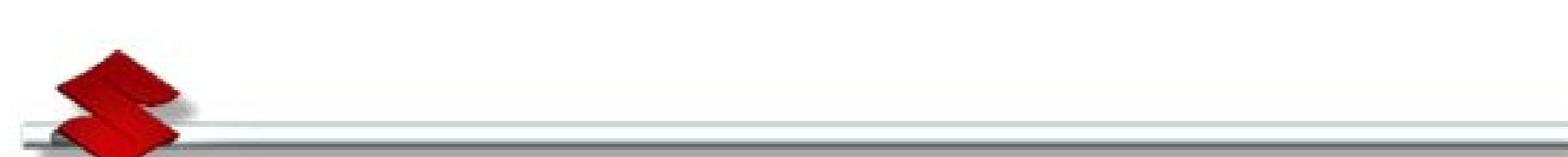


SUZUKI
T500-III
Titan

THE BRUTE WITHOUT BULK

This is the giant of the motorcycle clan—yet it looks "clean as a whistle" with the grace of a gazelle. Does this make point? Well, demand has caused this to be the first mass-produced 2-stroke, twin-carburetor 500cc model in the world. A cool 6,500 rpm puts the full 47hp at your command with a top speed of 102mph. When you want to stop, a dual safety system of oversized brakes and super-grip high speed tires quiet down the brute right now...smoothly. The non-glare, spectrometer and tachometer is a word for safety. Big features and small—such as Suzuki's famous Post-Force Lubrication and the newly-designed fuel tank luggage rack—all set out in a yummy Candy Colors with red-lined tires make this the fair-haired brute you've been looking for.

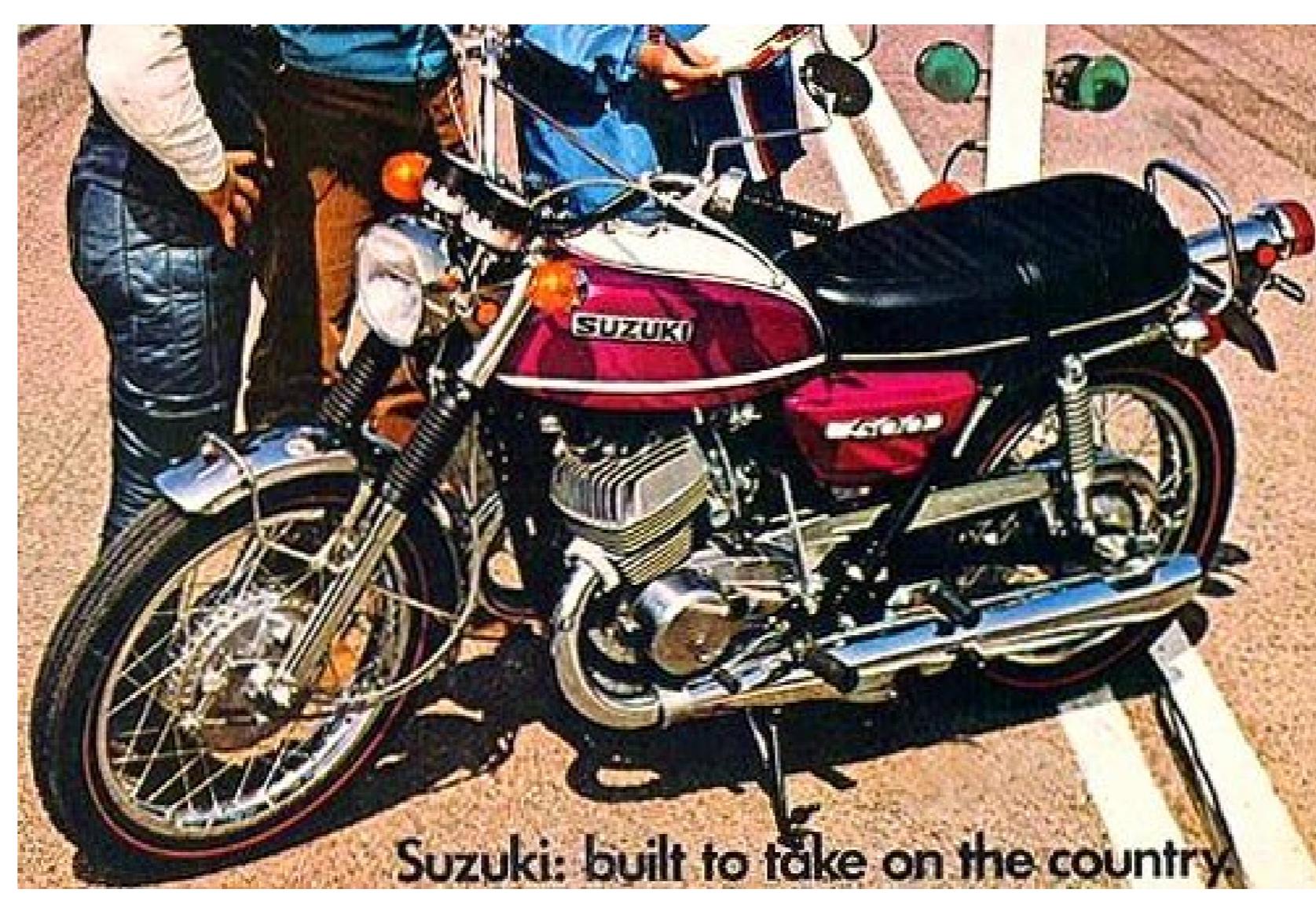
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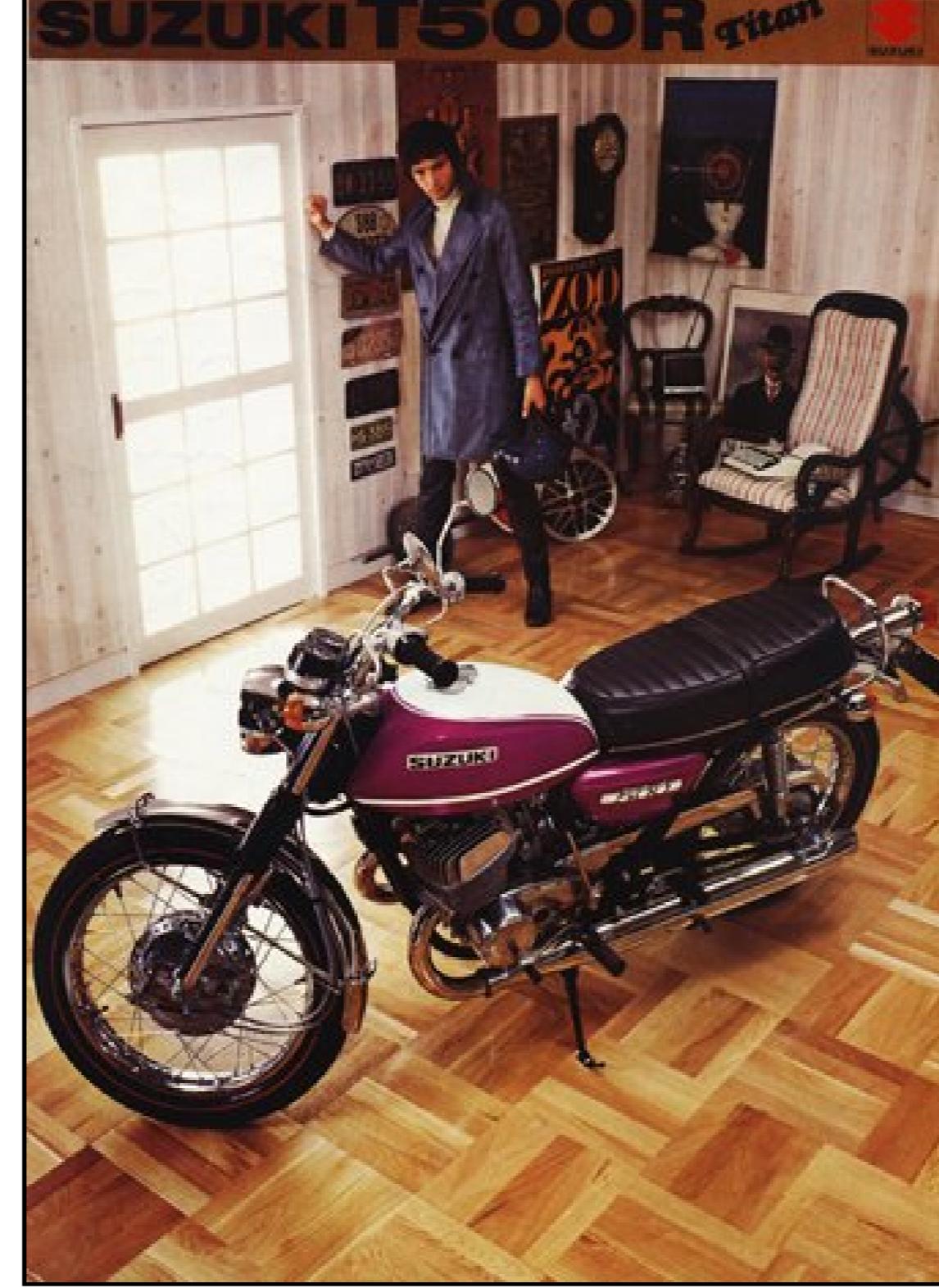
Suzuki Titan

THE 500 SUZUKI PICTURE GALLERY - T500R -1971

T 500R Titan 1971
Overall Length: 2195mm (86.4in)
Overall Width: 865mm (34.1in)
Overall Height: 1105mm (43.5in)
Weight: 187kg (412 lbs)
Engine type: Air-cooled 492cc twin 2-stroke.
47bhp/7000 rpm, 5.5 kg-m/6,000rpm.



Suzuki: built to take on the country



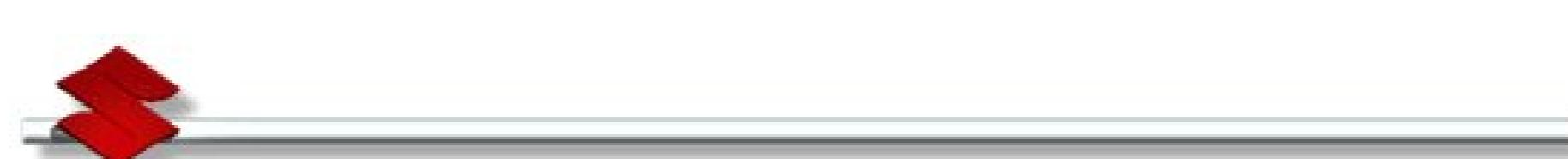
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Suzuki Titan

THE 500 SUZUKI PICTURE GALLERY - T500J -1972

T 500J Titan 1972
Overall Length: 2195mm (86.4in)
Overall Width: 865mm (34.1in)
Overall Height: 1105mm (43.5in)
Weight: 187kg (412 lbs)
Engine type: Air-cooled 492cc twin 2-stroke.
47bhp/7000 rpm, 5.5 kg-m/6,000rpm.



Suzuki Titan

THE 500 SUZUKI PICTURE GALLERY - T500J -1972



Osi Dirilgen's T500J from Maennedorf (near Zurich), Switzerland



Osi has probably taken a common act of the the time and replaced the plastic chrome T500J side-cover/oil tank emblems off and replaced them with T500R emblems.



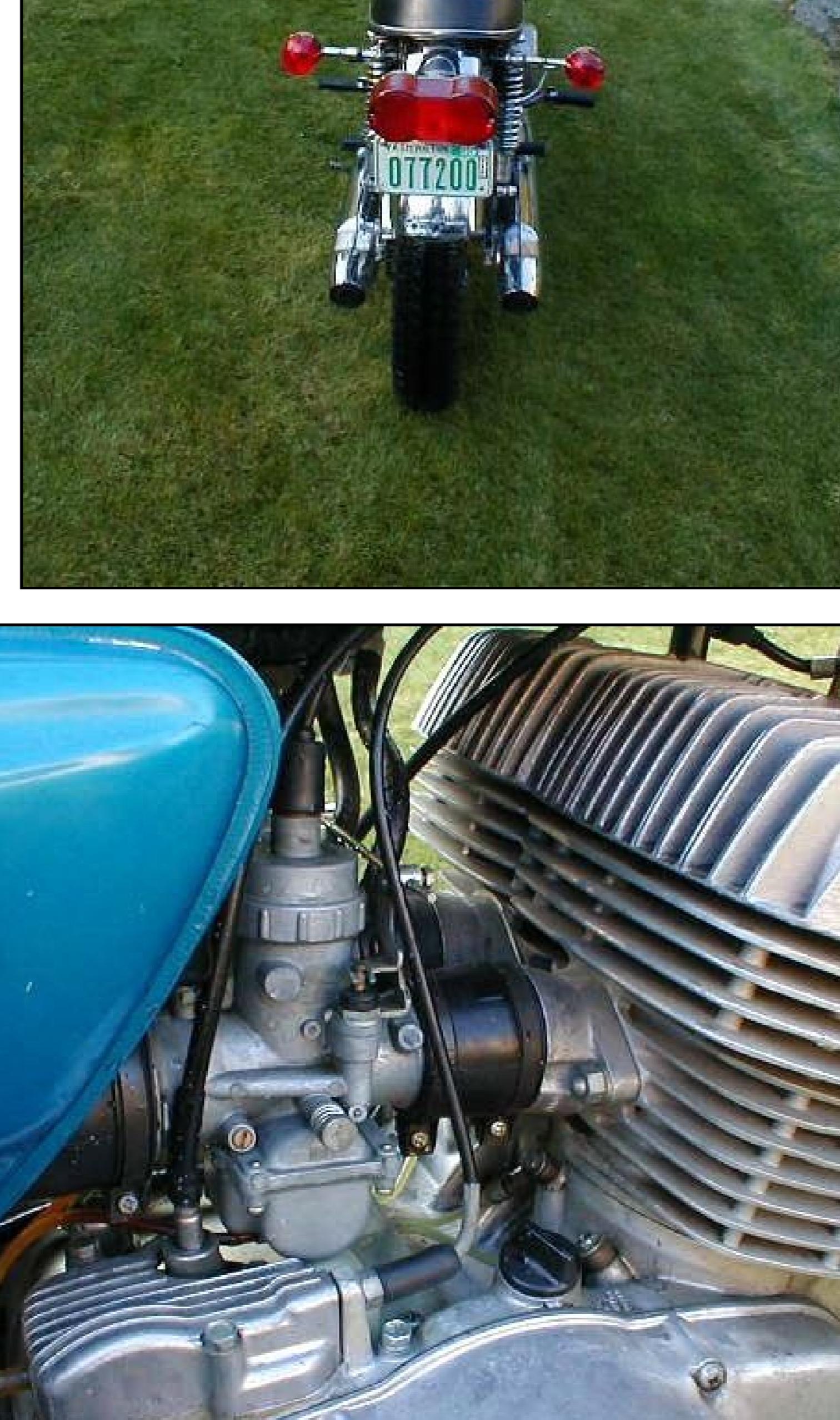
In a wonderful state of preservation.



Suzuki Titan

THE 500 SUZUKI PICTURE GALLERY - T500K -1973

T 500K Titan 1973
Maximum Speed: 168-176km/h (105-110mph)
Maximum Horsepower: 44hp at 6,000rpm
Maximum Torque: 5.40kg-m (39.0 lb-ft) at 5500 rpm
Engine Type: 2-stroke, aluminum twin cylinder
Piston Displacement: 492cc (30.0cu-in)
Transmission: 5-speed, constant mesh
Fuel Tank Capacity: 14l (3.7/3.1gal US/lmp)
Lubrication: Suzuki CCI
Overall Length: 2195 mm (86.4 in)
Overall Width: 880 mm (34.6 in)
Overall Height: 1105 mm (43.5 in)
Tires, Front: 3.25-19, 4PR
Tires, Rear: 4.00-18 4PR
Dry Weight: 187kg (412 LB)



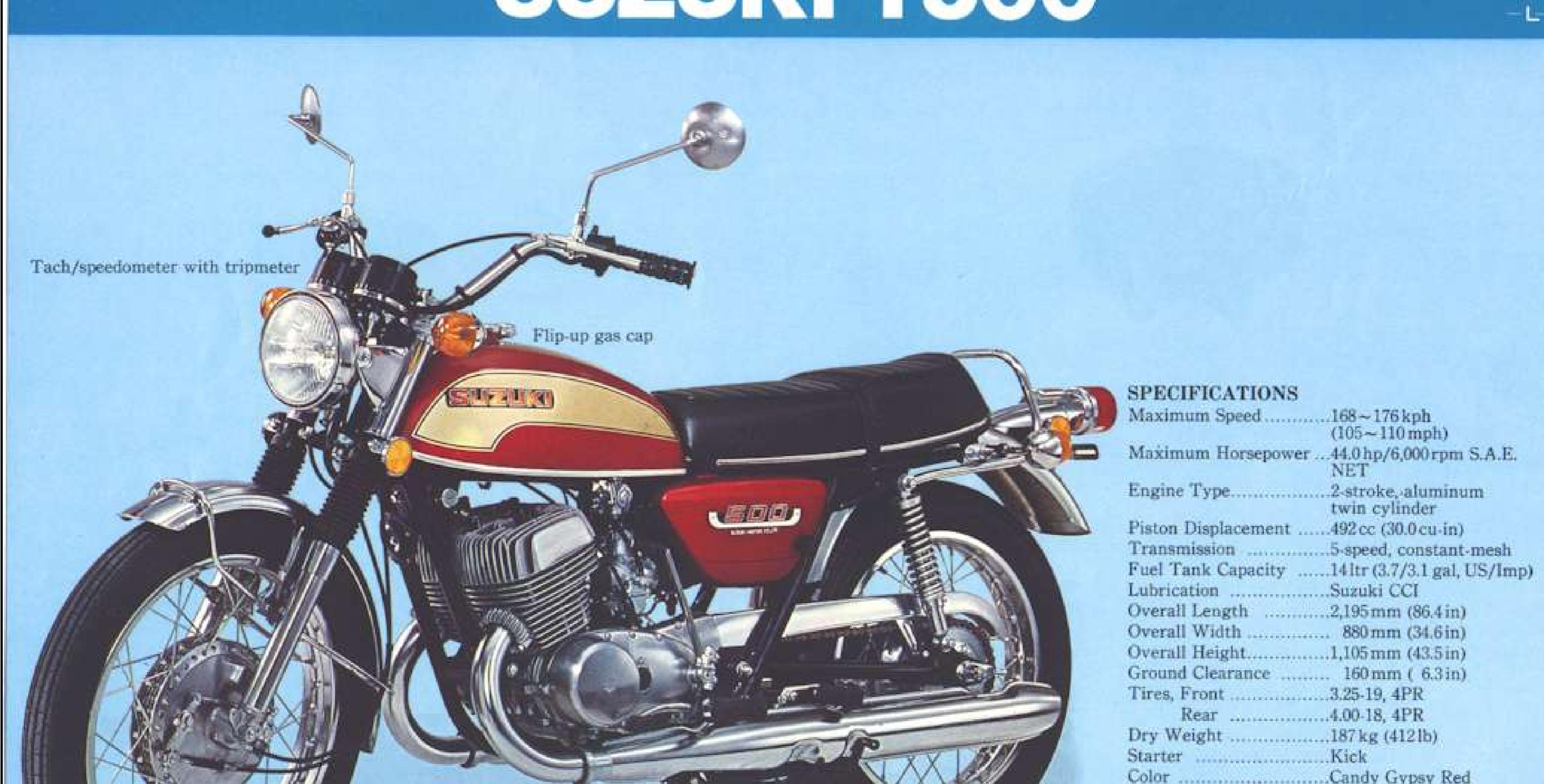
Suzuki Titan

THE 500 SUZUKI PICTURE GALLERY - T500L -1974

T 500L Titan 1974	
Maximum Speed	168-176km/h (105-110mph)
Maximum Horsepower	44hp at 6,000rpm
Maximum Torque	5.40kg-m (39.0 lb-ft) at 5500 rpm
Engine Type	2-stroke, aluminum twin cylinder
Piston Displacement	492cc (30.0cu-in)
Transmission	5-speed, constant mesh
Fuel Tank Capacity	14l (3.7/3.1gal US/lmp)
Lubrication	Suzuki CCI
Overall Length	2195 mm (86.4 in)
Overall Width	880 mm (34.6 in)
Overall Height	1105 mm (43.5 in)
Tires, Front	3.25-19, 4PR
Tires, Rear	4.00-18 4PR
Dry Weight	187kg (412 LB)



SUZUKI T500



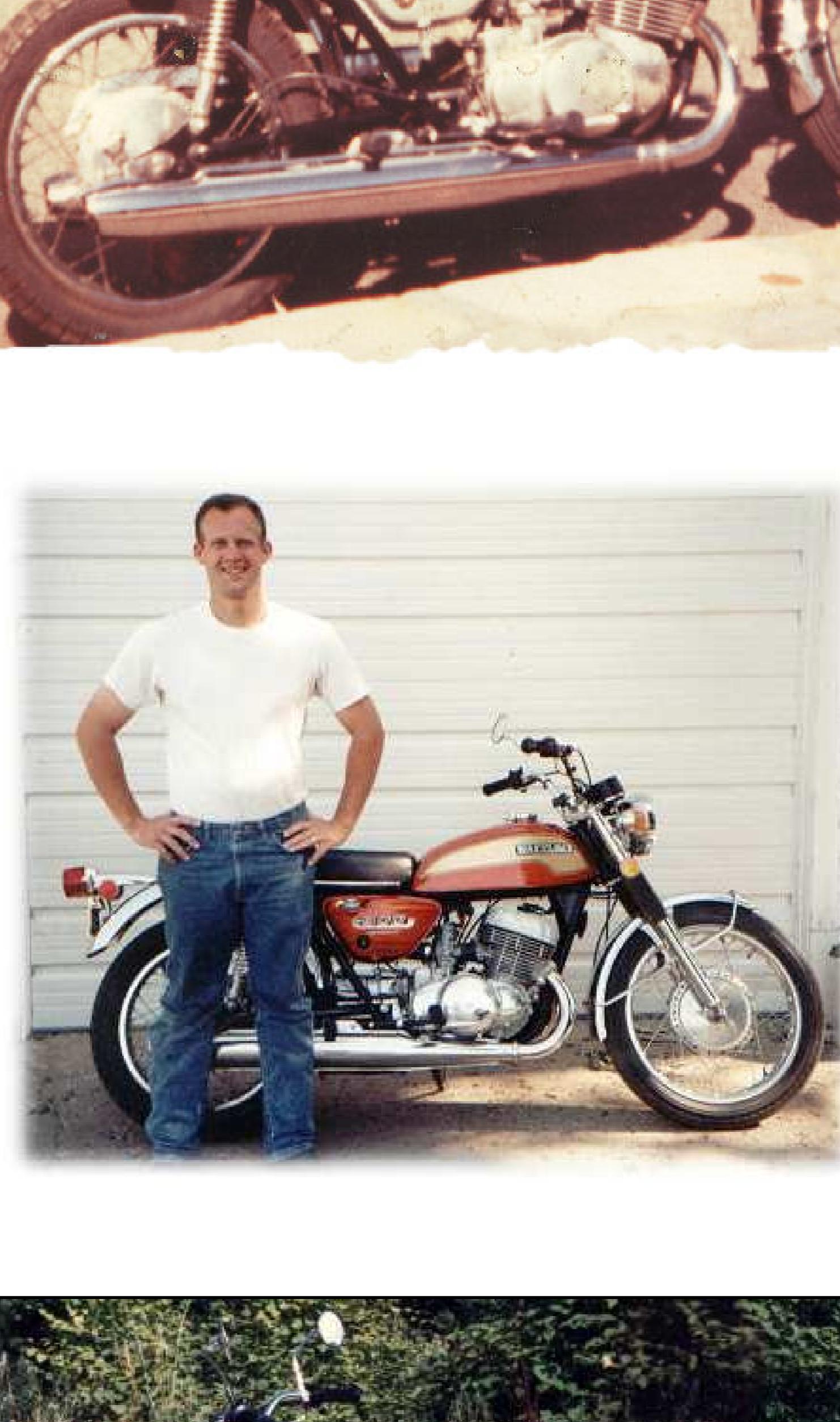
SPECIFICATIONS

Maximum Speed 168~176 kph
(105~110 mph)
Maximum Horsepower 44.0hp/6,000 rpm S.A.E.
NET
Engine Type 2-stroke, aluminum
twin cylinder
Piston Displacement 492cc (30.0 cu.in)
Transmission 5-speed, constant-mesh
Fuel Tank Capacity 14litr (3.7/3.1 gal, US/lmp)
Lubrication Suzuki CCI
Overall Length 2,195mm (86.4 in)
Overall Width 880mm (34.6 in)
Overall Height 1,105mm (43.5 in)
Ground Clearance 160mm (6.3 in)
Tires, Front 3.25-19, 4PR
Rear 4.00-18, 4PR
Dry Weight 187kg (412lb)
Starter Kick
Color Candy Gypsy Red
Star dust Silver Metallic
*Specifications subject to change without notice.

SUZUKI CCI

SUZUKI MOTOR CO.,LTD.
300 Takatsuka, Hamamatsu, Japan

Printed in Japan



Suzuki Titan

THE 500 SUZUKI PICTURE GALLERY - T500M -1975

T 500M Titan 1975

Maximum Speed: 168-176km/h (105-110mph)
Maximum Horsepower: 44hp at 6,000rpm
Maximum Torque: 5.40kg-m (39.0 lb-ft) at 5500 rpm
Engine Type: 2-stroke, aluminum twin cylinder
Piston Displacement: 492cc (30.0cu-in)
Transmission: 5-speed, constant mesh
Fuel Tank Capacity: 14l (3.7/3.1gal US/Imp)
Lubrication: Suzuki CCI
Overall Length: 2195 mm (86.4 in)
Overall Width: 880 mm (34.6 in)
Overall Height: 1105 mm (43.5 in)
Tires, Front: 3.25-19, 4PR
Tires, Rear: 4.00-18 4PR
Dry Weight: 187kg (412 LB)



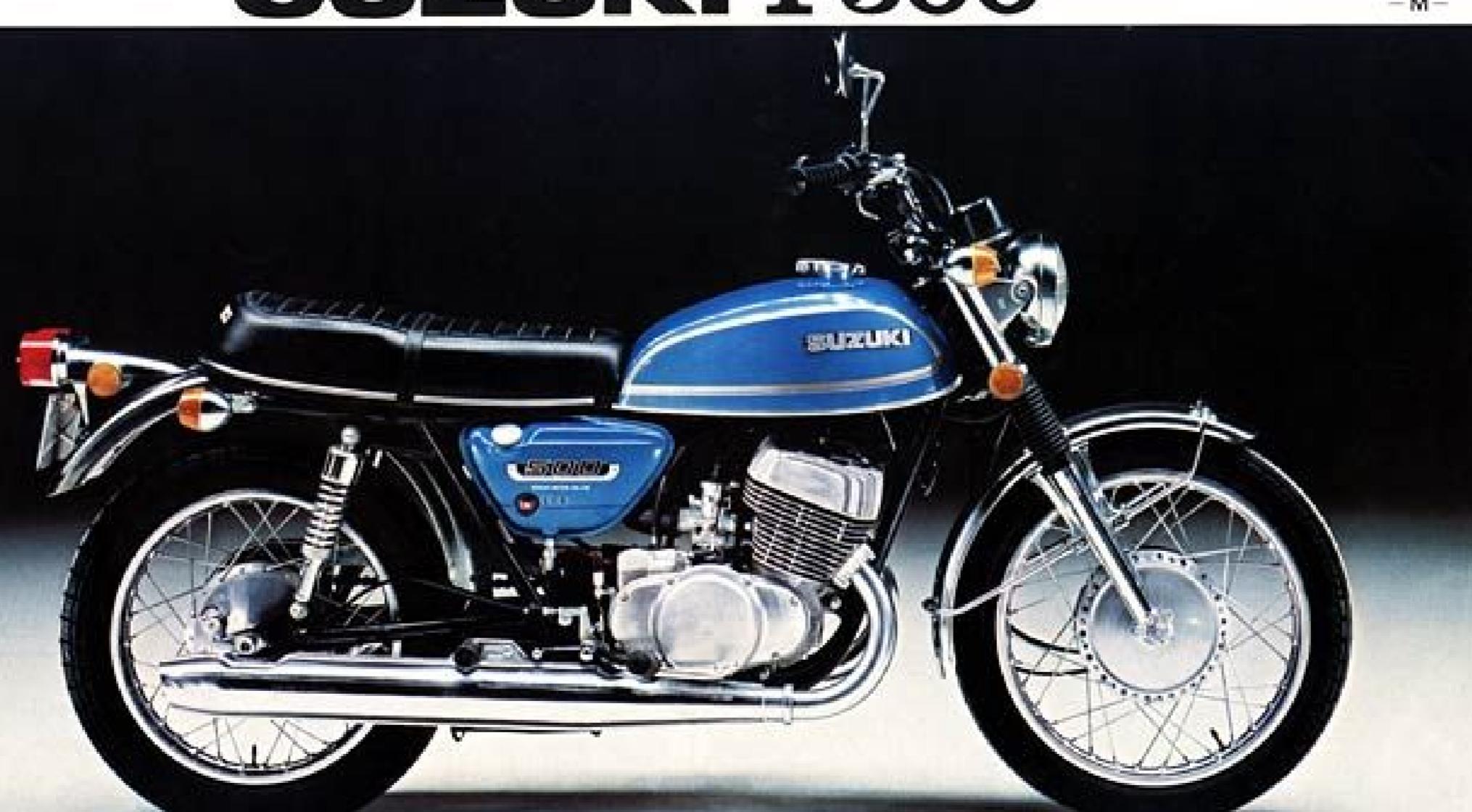
T500M -1975



Alec Stewart's T500M

SUZUKI T500

- M -



Maximum Speed: 168-176 km/h (105-110 mph)
Maximum Horsepower: 44.0 hp/6,000 rpm S.A.E. NET
Maximum Torque: 5.40 kg-m (39.0 lb-ft) at 5,500 rpm
Engine Type: 2-stroke, twin cylinder
Piston Displacement: 492 cc (30.0 cu-in)
Transmission: 5-speed, constant mesh
Fuel Tank Capacity: 14.0 ltr (3.7/3.1 US/Imp. gal)
Lubrication: Suzuki CCI
Overall Length: 2,195 mm (86.4 in)
Overall Width: 880 mm (34.6 in)

Overall Height: 1,105 mm (43.5 in)
Ground Clearance: 160 mm (6.3 in)
Suspension, Front: Telescopic, oil-damped
Suspension, Rear: Oil-damped, 5-way adjustable
Tires, Front: 3.25-19 4PR
Tires, Rear: 4.00-18 4PR
Starter: Kick
Color: Mat blue metallic

SUZUKI
CCI
SUZUKI MOTOR CO., LTD.
300 Takatsuka, Hamamatsu, Japan

* Specifications subject to change without notice.
Printed in Japan

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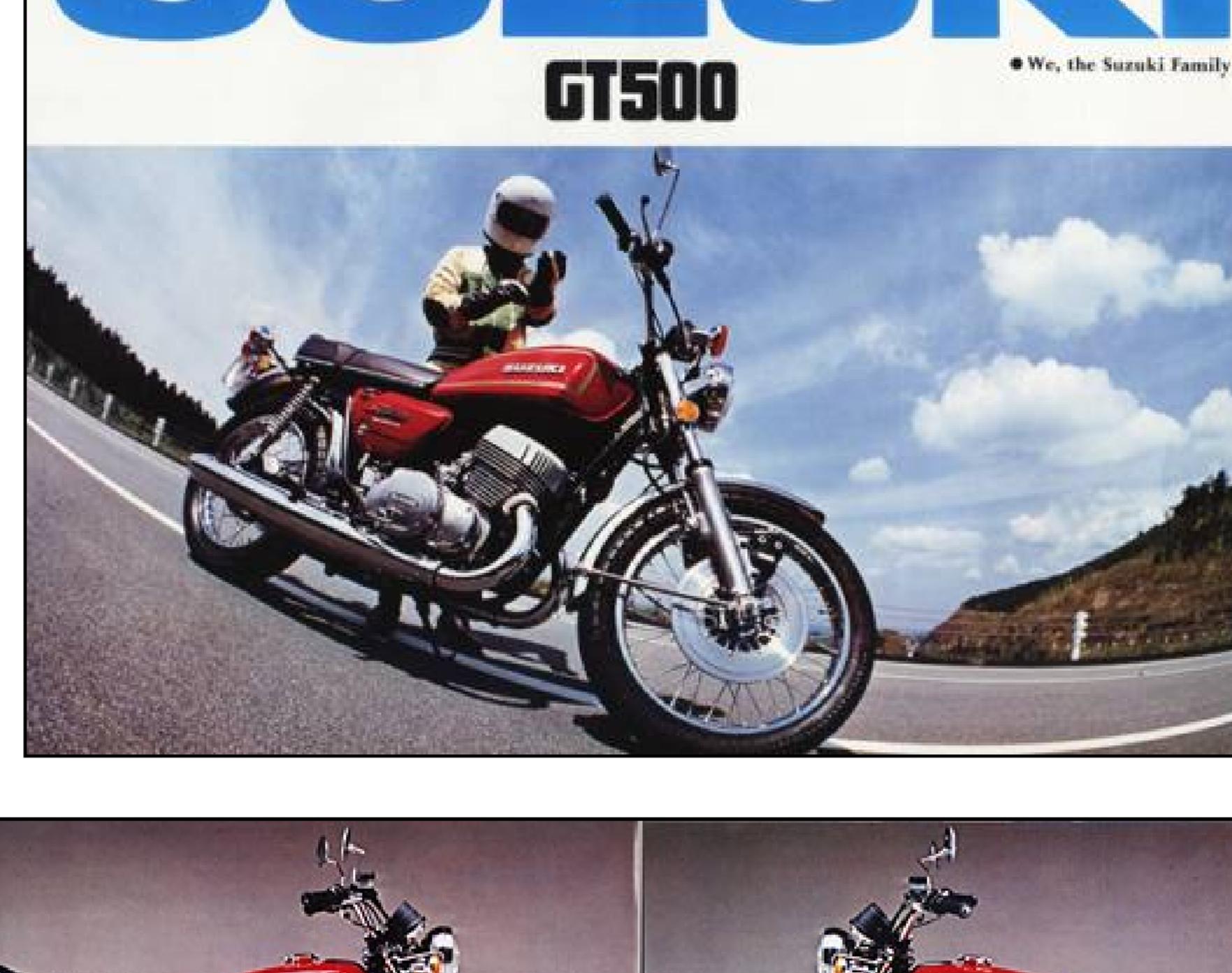


Suzuki Titan

THE 500 SUZUKI PICTURE GALLERY - GT500A -1976

Maximum Speed

Maximum Horsepower: 44hp at 6,000rpm
Maximum Torque: 5.40kg-m (39.0 lb-ft) at 5500 rpm
Engine Type: 2-stroke, aluminum twin cylinder
Piston Displacement: 492cc (30.0cu-in)
Transmission: 5-speed, constant mesh
Fuel Tank Capacity: 17l/4.5gal US
Lubrication: Suzuki CCI
Overall Length: 2195 mm (86.4 in)
Overall Width: 880 mm (34.6 in)
Overall Height: 1105 mm (43.5 in)
Tires, Front: 3.25-19, 4PR
Tires, Rear: 4.00-18 4PR
Dry Weight: 395lbs



Overall Width: 880 mm (34.6 in)
Overall Height: 1,130 mm (44.7 in)
Ground Clearance: 160 mm (6.3 in)
Suspension, Front: Telescopic
Rear: Oil-damped, 5-way adjustable
Tires, Front: 3.25/18-4PR
Rear: 4.00/18-4PR
Dry Weight: 179 kg (395 lbs)
Starter: Kick
Color: Andes Blue Metallic

Andes Blue Metallic

Engine
Suzuki's famous 2-stroke design that's CCI lubricated so the crankshaft, and cylinder walls are always efficiently lubricated. And, powers matched with the constant mesh 5-speed transmission for all out performance.

Disc Braking
The great standard touring machine gives you instant response disc braking on the front wheel. It's stopping power that matches precisely the go you get in the 2-stroke engine.

Switching
Switches on the handlebars are placed just right for convenient manipulation during operation. Horn button, turn signals, and high and low beams on the left, engine kill switches on the right. The convenience of the location not only means more enjoyable touring – it means safer touring too.

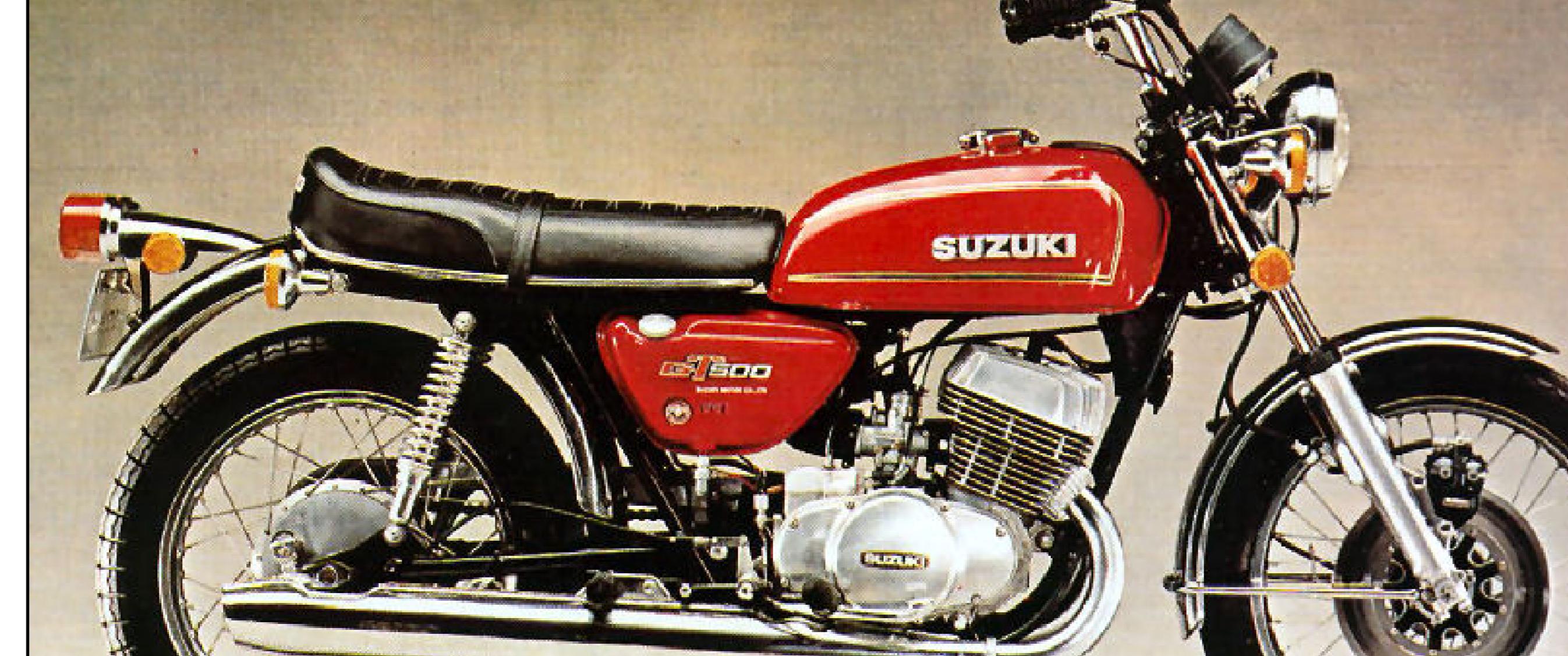
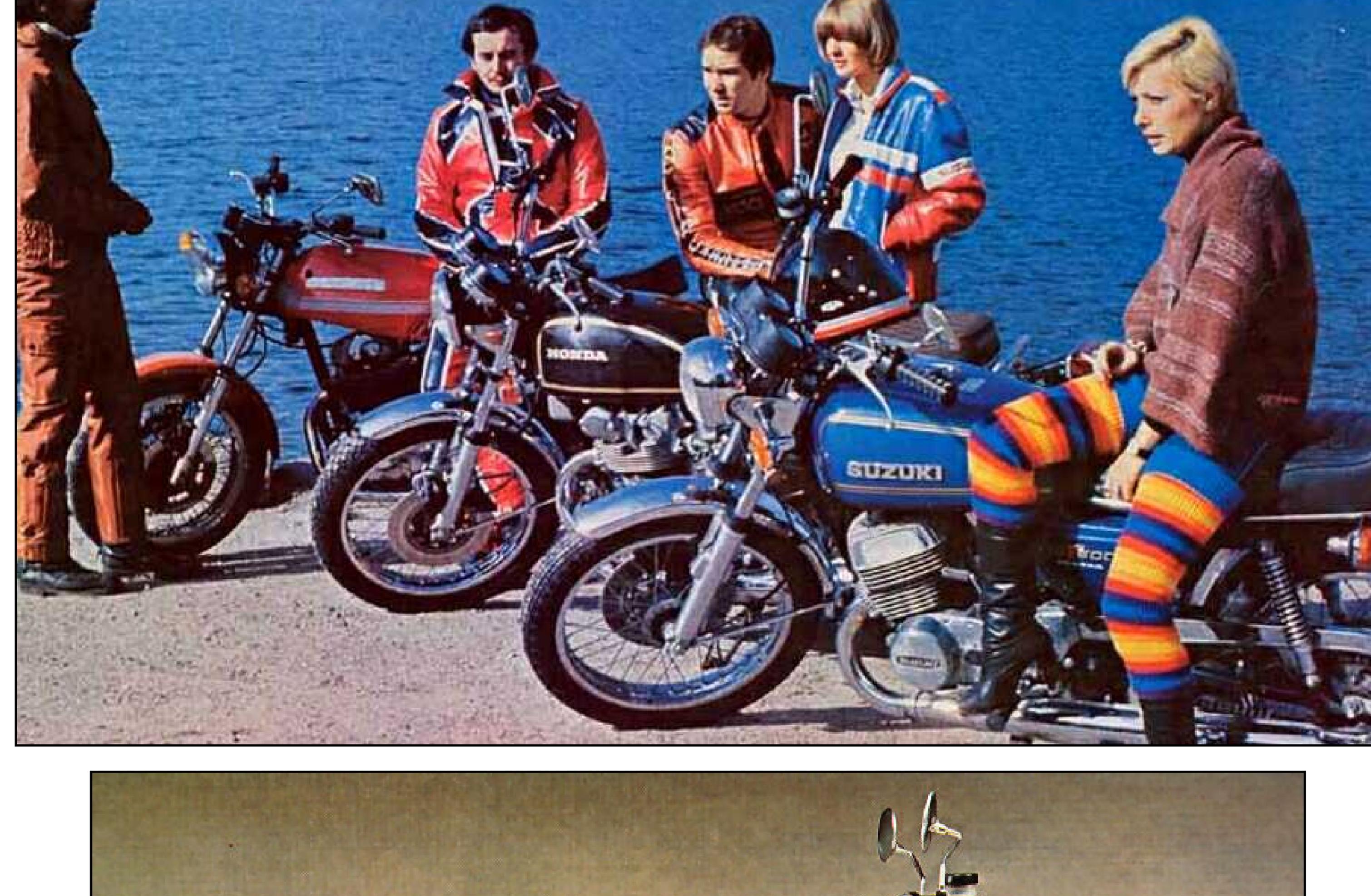
Instruments
Safety that matches that of the disc brake. Instruments are recessed with the hood preventing glare and reflections. And, of course, the great standard touring machine makes speedometer, tachometer, and odometer easy to read.

Rear shocks
Oil-damped, 5-way adjustable rear shocks give a royal ride. Taking more luggage out of long touring than you thought possible. Up front, the 4000 mm front forks of lightweight aluminum.

Tank
A fuel tank that befits the GT500's long touring image: holds 17 liters of fuel. On the looks end of the tank is more excitement, new stripes that say moving on.

Turn signals
Large diameter signals, so they're easy to see. On top of this, powerful new lenses are fitted to each turn signal making them all-the-more easy to see.

*Specifications subject to change without notice.
*Note that there may be slight product color variations from colors printed in this leaflet.
Standard and special specifications vary according to local requirements.



Suzuki Titan

THE 500 SUZUKI PICTURE GALLERY - GT500B -1977

GT 500B 1977
Maximum Speed: 168-176km/h (105-110mph)
Maximum Horsepower: 44hp at 6,000rpm
Maximum Torque: 5.40kg-m (39.0 lb-ft) at 5500 rpm
Engine Type: 2-stroke, aluminum twin cylinder
Piston Displacement: 492cc (30.0cu-in)
Transmission: 5-speed, constant mesh
Fuel Tank Capacity: 17l/4.5gal US
Lubrication: Suzuki CCI
Overall Length: 2195 mm (86.4 in)
Overall Width: 880 mm (34.6 in)
Overall Height: 1105 mm (43.5 in)
Tires, Front: 3.25-19, 4PR
Tires, Rear: 4.00-18 4PR
Dry Weight: 395lbs



SUZUKI GT500

Travel long and far.

On the affordable tourer built and outfitted for speed, comfort and durability.

GT500 is the spirit of speed. A big, fast touring bike with long-touring features. Powerful 2-stroke, twin-cylinder engine matched with 5-speed gearbox. This engine gets plenty of fresh oil, too. CCI lubrication to all rotating parts and cylinder walls. It's a big, 7 liter tank. It consumes gas sparingly. Brakes crisply. Runs long, smoothly and quietly. Dependably for long years, stably at high speed.

Engine
This 2-stroke, twin-cylinder engine with efficient CCI lubrication is famous for delivering high performance. CCI lubrication protects its reputation for smooth-running dependability completely.

Front disc brake
High-performance touring motorcycle require a braking system that matches their capability. This powerful front disc brake is designed to assure positive stops.

Front fork
The front fork is designed to work efficiently with the front disc brake for safety, comfort and stability during an abrupt stop. It's telescopic and oil-damped.

Instruments
This rider-oriented design angles instruments toward you and a hood helps prevent glare. The cluster includes speedometer, tachometer and tripmeter. And a turn signal indicator above the ignition switch.

Rear suspension
The oil-damped, 5-way adjustable rear suspension system is designed to absorb road shocks before they're transmitted to the rider. You ride comfortably and always in control.

Specifications

Maximum Speed:	168-176km/h (105-110mph)	Lubrication:	Suzuki CCI
Maximum Horsepower:	44hp at 6,000rpm	Overall Length:	2,195mm (86.4 in)
Maximum Torque:	5.40kg-m (39.0 lb-ft) at 5500 rpm	Overall Width:	880mm (34.6 in)
Engine Type:	2-stroke, 2-cylinder	Overall Height:	1,105mm (43.5 in)
Piston Displacement:	492cc (30.0cu-in)	Ground Clearance:	160mm (6.3in)
Transmission:	5-speed, constant mesh	Suspension:	Telescopic, oil-damped
Fuel Tank Capacity:	17.0l (4.5USgal)	Front:	Oil-damped, 5-way adjustable
		Rear:	Oil-damped

*Specs/figures subject to change or slight revision.
**Note that colors may be slight product color variations.
***Standard and optional equipment varies according to market.


Maul Blue Metallic


Candy Calypso Red

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