

Inside:

- A top-level talk for the promotion of sound motorcycle sport
- Pin-up: Yamaha XJ650 (prospective drawing)
- Yamaha XJ650/XJ650 Maxim
 - New totally balanced sports bikes
- Yamaha Training Center
- Yamaha Outboard Motor Service Contest

*Road Race
World
Championships*

"King" Kenny's three consecutive

wins

500cc class

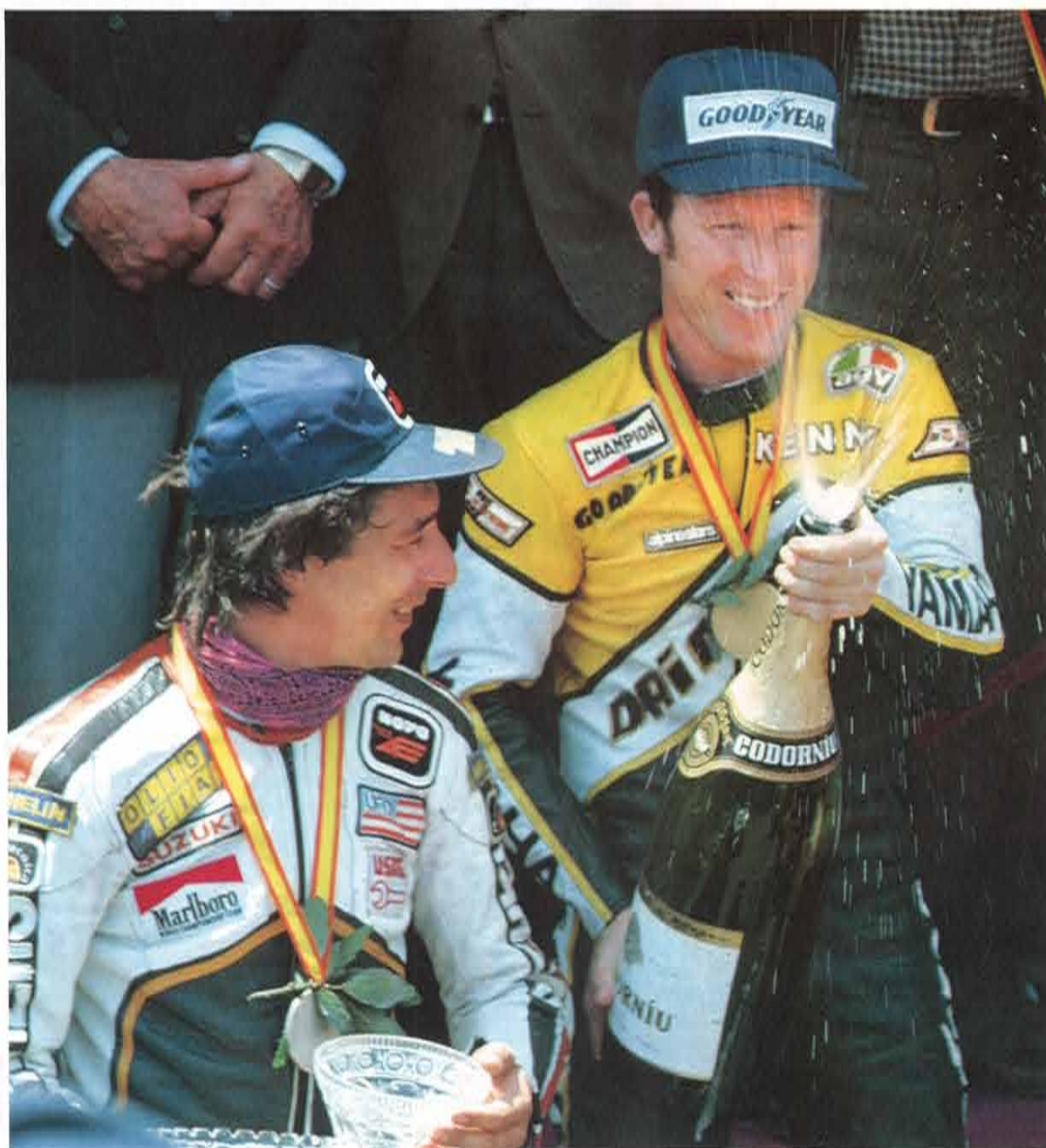
Reigning world champion Kenny Roberts on a new Yamaha YZR500 racer won the first three rounds of the 500cc championship series as follows: Italian GP - May 11, Spanish GP - May 18 and French GP - May 25.

With these brilliant victories he is heading for a hat trick in the 500cc championship battle.

(see pages 5 & 6 for more details)



Kenny Roberts



Kenny(right) & M. Lucchinelli(left)



Johnny Cecotto

Johnny Cecotto wins the 350cc race

Venezuelan Yamaha ace Johnny Cecotto on a TZ350 machine won easily in the 350cc race of the Italian GP about 18 seconds ahead of Italian M. Matteoni on another TZ350.

(see page 5 & 6 for more details)

A milestone is established!

— Power Products Division —

From Iwata: 100,000 Yamaha power products have already been marketed worldwide! This is truly a memorable milestone that has been established by the Power Products Division of Yamaha. It has especially been noted that export sales have accounted for about 80% of these marketed products, mostly portable generators affording a wide range of applications for both household and business purposes in a large number of nations. In celebration of these business achievements, a party was recently held at the banquet hall of the Hamamatsu Grand Hotel, with all the concerned staff in attendance. "All the staff of technical development, production and sales have joined efforts to establish a milestone in our power products business within such a short span of time", said Mr. Tadanori Arata, Managing Director in his opening address, "As you know, power products have already become one of our major business categories and we must make it our next target to double the sales at the earliest possible time". On behalf of the technical research & development division, Mr. Takehiko Hasegawa, Managing Director, emphasized that Yamaha's advanced technology would be utilized for the improvement of all Yamaha products to the fullest extent". "Everything is going right with our production", confirmed Mr. Toshio Matsui, President of Showa Works, "We are always ready to meet any request for production increase in

line with an upsurge of demand". The party was held in rather a small way enabling all people to relax in an easy atmosphere. All people enjoyed themselves and each other over a cup of well-mellowed sake, gathering new energy for tomorrow.



Correction

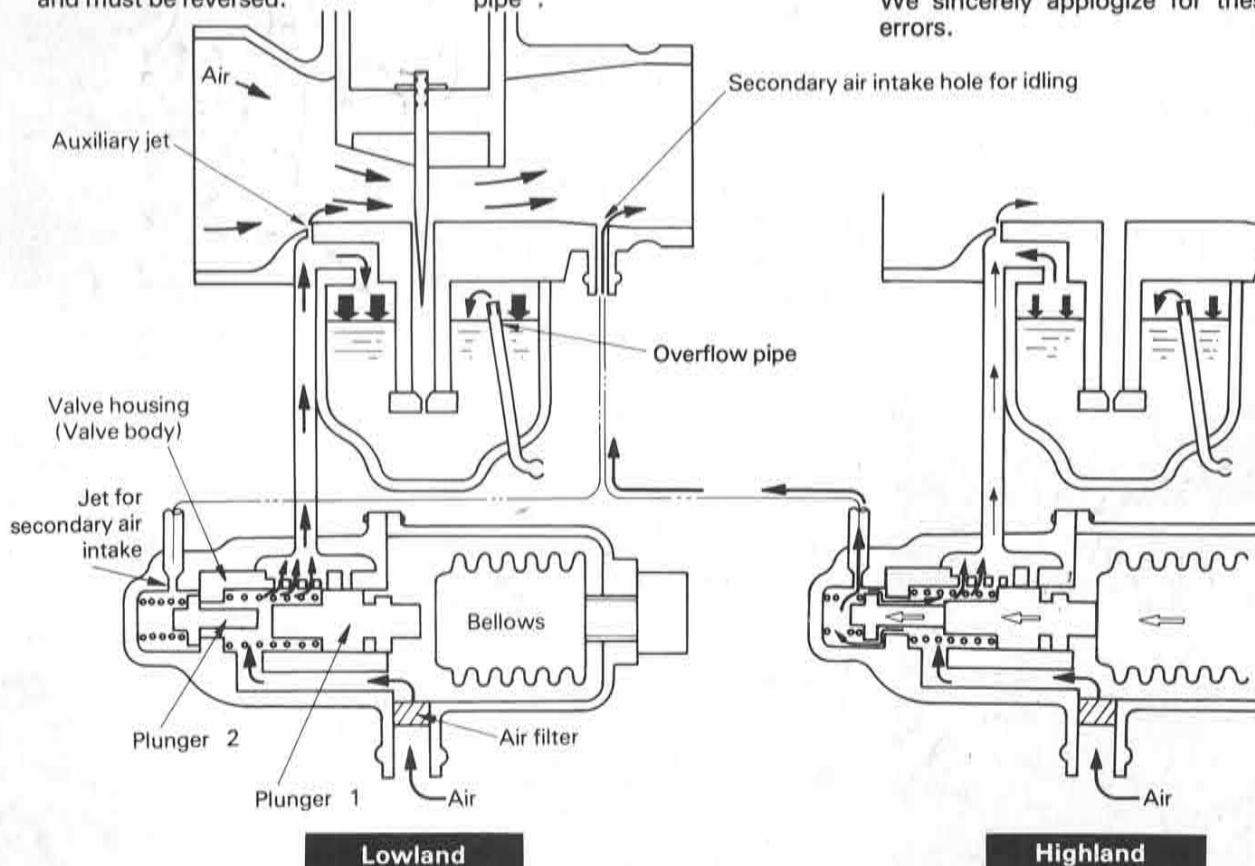
The technical diagrams showing the working mechanism of the "Calibmatic" on page 15 of our No.6 issue are partly incorrect and should be amended as follows:

1. Captions: Highland (left) and Lowland (right) are incorrect and must be reversed.

2. Left diagram: The arrow marks showing secondary air stream should be deleted as "Calibmatic" does not work at lowland. The term "over float pipe" is not correct and should be amended to "overflow pipe".

3. Right diagram: The arrow marks showing secondary air stream are not clear. The arrow marks showing the functions of bellows and plungers 1 & 2 are also misleading. They have also been amended.

We sincerely applogize for these errors.



A British globe trotter in Tokyo



Posing for the camera is Mr. William R. Pinent, a British globe trotter on a specially equipped Yamaha XT500. He has just arrived in Tokyo via Taiwan and Korea after finishing the first leg of his round-the-world trip. Mr. Pinent, a 24-year old student of architecture in London, left England about 7 months ago and travelled through Bulgaria, Turkey, Iran, Pakistan, India, Nepal, Malaysia, Singapore, Thailand, etc. after making a journey across the European Continent. His Yamaha XT500 performed very dependably all the way. The main aim of his big trip is to see as much of the world as he can. He will stay in Japan for about two months enjoying a sight-seeing trip around the whole country before he leaves for his next destination, the United States.

Boy scouts will set a good example of safe riding

From Iwata: There are still some people who have a prejudice against motorcycles, saying that they are dangerous machines. It may happen that some youngsters ride their bikes in a rather reckless manner causing an annoyance to the general public but it is also true that none of them will venture into daredevil riding and risk accidents, if they are guided in good traffic manners and safe riding techniques. The Yamaha Safe Riding Promotion Center, the headquarters of which is located in the Yamaha Tokyo Office, has taken the initiative in promoting the spread of safe riding nationwide, emphasizing that the bike is not a dangerous machine but a

good means of transportation or leisure-time sport, if used correctly. Giving greater consideration to the proper guidance of young motorcyclists, the Center recently gave a special riding course for selected boy scouts who were interested in motorcycling. These boys, who were trained in safe, correct riding techniques and good traffic manners, were very enthusiastic about setting a good example of safe riding for their fellow youngsters. They will be one of the most active vanguards for the furtherance of safe riding promotion in Japan.



Yamaha demonstration

From Portugal: The '80 Lisbon Boatshow was recently held for 8 days and the total number of visitors was in excess of 200,000. Motomar-Nautica Turismo e Industria Lta., Yamaha distributor in Portugal, displayed a variety of

Yamaha products including outboards, portable generators, marine diesel engines, etc. to appeal to the public. Especially, the new Kerosene outboard motor model, the 25CMK stirred a sensation among a great number of visitors



who were keenly interested in its outstanding fuel economy and durability. Even during the show period a number of orders were received. Motomar, which has

completed all the rounds of the one-year Yamaha Service Contest, is considered as one of the favorite participants.

An outboard motor sales campaign

Free-check service at Kayar



An outboard motor sales campaign which was recently promoted in Senegal, West Africa was a great success. In this country, outboard motors are rapidly expanding their market among fishermen in direct combination with the government's positive fishery-modernization policy.

The campaign team visited a number of fishing villages, conducting demonstrations and free-check

services, convincing fishermen that the outboard motor is the best means of mechanizing a fishing boat.

The government granted the campaign team every possible facility to expedite the smooth promotion of the campaign. During the campaign period about 120 outboards were checked and serviced while the sales of spare parts exceeded ¥1.5 mil.

Irish Trials Champion



From Ireland: Six years ago Danfay, Yamaha distributors in Ireland, selected a well known Irish Trials Rider, Derek Burton, to ride for Yamaha and he has won the Republic of Ireland Trials Championship every year for the past six years. He first rode the Yamaha Model TY250, they later built for him the Yamaha 360, which was a replica of the one used by Mick Andrews and he currently uses the Yamaha 320, which was specially built for him.

His success and domination of the Irish Trials scene gets greater year by year, and this season, he had 36 wins, which gave him maximum points and represented complete monopolisation of the championship. He has proved beyond a doubt Yamaha's superiority in the trials world and it is interesting

that both Bultaco and Montesa have tried very hard to break his run of success, but no matter how they tried they were incapable of making any threat to the Burton and Yamaha domination. Yamaha's and Burton's superiority over their rivals is now so great that it's like the law of the jungle "When the elephant moves the fly must follow".

Burton won a special first class prize in the '80 Scottish Six Days Trial (May 5 to May 10) which was contested over a 479-mile course consisting of 189 observation sections around the rocky Scottish highland.

Let's win the sales war!



From Iwata: The sales war is always getting hotter in Japan but many of the Yamaha dealers are steadily increasing their sales especially through the assistance of their wives. Proving themselves to be most helpful assistants to their husbands, these wives are enthusiastic enough to keep learning more about the motorcycle business and Yamaha's special seminars are very favorably received by them. The curriculum of a seminar consists of four subjects, including "how to win higher customer trust", "how to make an approach to prospective customers", "how to design or decorate a shop" and "how to increase profits".

Yamaha instructors give lectures on these subjects and also teach them how to make handbills and direct mails essential to an effective approach to prospective buyers.

In order to make a seminar more enjoyable and attractive, a cooking class, fashion class or beauty class is sometimes added to the curriculum.

These seminars help greatly in cultivating the improvement of the abilities of them to a maximum, for the improvement of their husbands' motorcycle business.

Kenny's top form

From the United States: Road race superstar Kenny Roberts has proved to be one of the best dirt track competitors as well.

In the past he has won the AMA National Grand Championship twice including the series of dirt track races.

For many of the young, up-and-coming riders in this sport, beating



Shown here is his top dirt style on a specially prepared Yamaha 650 machine.

Welcome to Yamaha

A top-level talk for the promotion of sound motorcycle sport

Mr. Nicolas RODIL DEL VALLE

President, Fédération Internationale Motocycliste

Mr. Guy Maitre

Executive Secretary, Fédération Internationale Motocycliste



Mr. Nicolas RODIL DEL VALLE, President of the Fédération Internationale Motocycliste (F.I.M.) and Mr. Guy Maitre, Executive Secretary, paid their first visit to Yamaha at Iwata during their 10-day stay in Japan.

Mr. RODIL DEL VALLE, a man of marked individuality, has exercised his great leadership abilities for the substantial promotion of world motorcycle sport for the past 15 years. Equally remarkable are the contributions that Yamaha has rendered as a leading manufacturer in this domain over the same period.

"We are staring in wonder at the marvellous growth the Japanese motorcycle industry has achieved during the past decades", said the F.I.M. President in a top-level talk with Mr. Hisao Koike, President of Yamaha Motor, "The advanced technology of

Japanese manufacturers has greatly helped to promote the spread of sound motorcycle sport worldwide and Yamaha has always been a vanguard in this. I take this opportunity to ex-

press my utmost thanks for your consistent cooperation, on behalf of the Fédération Internationale Motocycliste, the governing body of world sport motorcycling".

It was not the first meeting for these two prominent figures in the motorcycle world. They had met in Venezuela for the first time several years before. Renewing their friendship with each other, both Presidents conducted the top-level talk in a very amiable manner.

"Your excellent leadership has established a great milestone in the history of the F.I.M.", said Mr. Koike with admiration at the F.I.M. President's great achievements, "It is our social obligation to direct even more efforts toward the improvement of our motorcycle technology so that it can be fully utilized for the further growth of sport motorcycling worldwide".

Both Presidents agreed that the promotion of sound motorcycle sport should be a common goal for both the F.I.M. and motorcycle manufacturers. It is already decided that the '81 F.I.M. Congress will be held in Tokyo, and Mr. Koike promised the F.I.M. President to offer every possible assistance and cooperate in the best successful organization of the congress.



"Kenny" would be almost as satisfying as winning the whole thing. This year Kenny took part in the first several rounds of the Winston Pro Series and placed near the top each

time. Much to the surprise of most of all the spectators, he won the Houston round in a very impressive manner, even though he had been in Europe for two years concentrating on the world GP racing and had not ridden a dirt track event for almost three years. His machine had been hastily prepared by Mert Lawwill in only six weeks and he

had had less than 20 laps of practice on the longer, faster Astrodome track. He wasn't in great physical shape and had'nt even ridden a bike for two weeks. In spite of all these disadvantages Kenny won the main event after a tremendous battle with Alex Jorgensen (BSA).

Yamaha Cup Motocross



From France: Sonauto Yamaha of France is sponsoring the unique 125cc Yamaha Cup Motocross Series consisting of 6 rounds, each of which is scheduled to take place on the same day and at the same place as each of the big French motocross events as follows:

1st round April 20

Sidecar Motocross GP at Pernes

2nd round April 27

125cc French Motocross GP at Verdun



**International motocross at Gassel
6th round October 12**
International motocross at Cognac
The series, which is open to Yamaha YZ125 riders, has been very favorably received by a lot of the up-and-coming French motocross riders who have a chance to show off their skill in motocross techniques before a crowd of spectators. These young riders are all dreaming of a GP debut and the series is considered as a gateway to that dream. Spectators enjoy watching these star hopefuls doing their best. The series also proves to be a very effective PR activity for Sonauto Yamaha.

3rd round May 4
500cc French Motocross GP at Gaillefontaine
4th round June 29
250cc French Motocross GP at Brou
5th round July 6

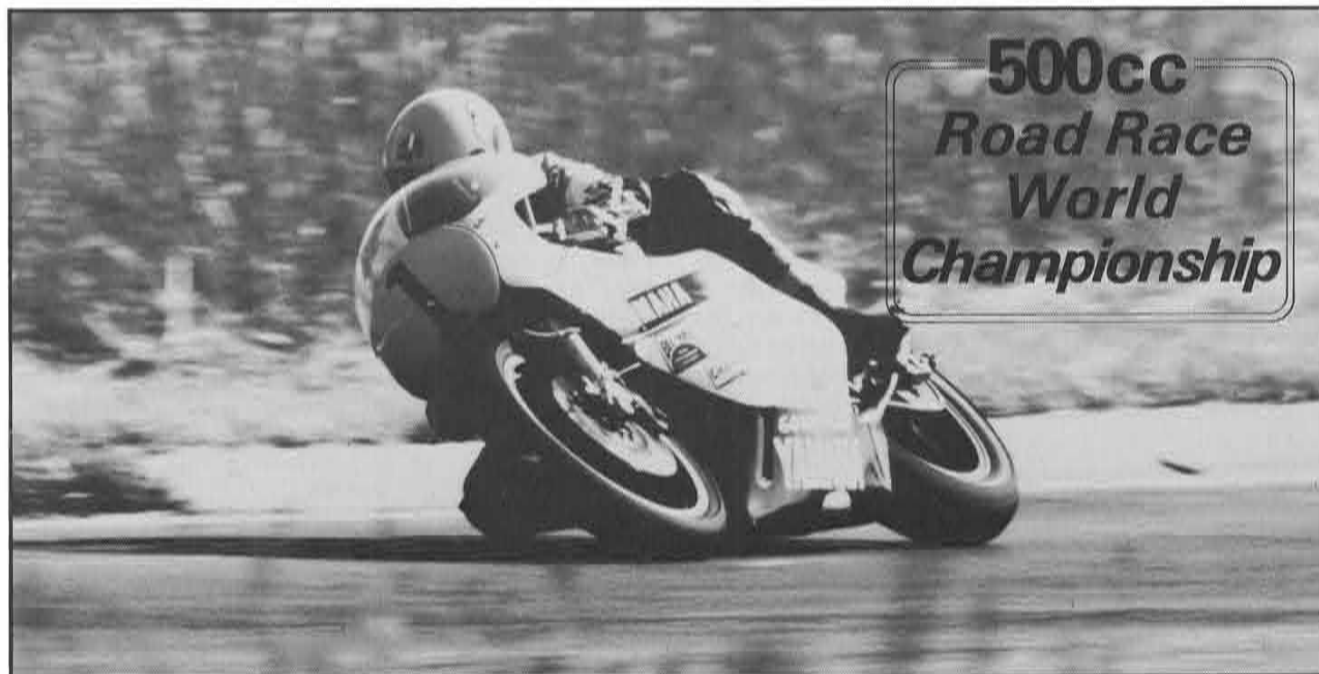
Classroom in a paddock

From Australia: "Students at Whittlesea Technical High School have more reason than most to be keen on their lessons. This is the lead of an article appearing in "Sun", one of the leading magazines in Australia. Their enthusiasm for school is helped by a special subject - trail bike riding. Several Yamaha DT100 trail bikes, which were provided by Mr. Thomas, Milledge Yamaha's

Wittlesea dealer, are being ridden by these students. They agree that riding a bike around an obstacle course is a pleasant change. The school instructor is Mr. Harold Hawson who is also keen on bikes. 560 of the school's 750 students have already finished the course and Mr. Hawson believes that this training could reduce the number of road accidents in future.

SPORTS NEWS

"King" Kenny's superb start in the '80 championship chase



Kenny Roberts

Italian GP — May 11

"King" Kenny made a superb start in the '80 championship chase, in which he will try to clinch the 500cc crown for the third consecutive year. Kenny won the Italian GP at Misano after a fierce early-stage battle with Italian Suzuki ace Marco Lucchinelli who had clocked the fastest practice time the previous day. "He made one of his best rides ever", said Kenny, "But I went round him when he miscogged". Then within two laps, with Lucchinelli astern, Kenny increased his lead in an undisputable manner. Lucchinelli was eventually sidelined by main bearing failure which also knocked out Randy Mamola (Suzuki) and other works Suzuki riders. With many of the tough rivals out, Kenny went on to make his lead more convincing lap by lap. Franco

Uncini on a private Suzuki machine came up as the sole challenger but there was no way he could catch the Yamaha ace. Kenny took the chequered flag about 17 seconds ahead of Uncini. His new YZR500 racer performed very well throughout the 40-lap race. "It gave me more power and made a difference of nine gear changes each lap", said Kenny. On this machine, the power to weight ratio is improved due to the adoption of a new square tubing aluminum alloy frame.

Spanish GP — May 18

Kenny and his works Yamaha were truly untouchable! He further widened the lead in the 500cc championship chase by winning the Spanish GP, the second round of the series held at Jarama on May 18.

Works Suzuki riders, such as Randy Mamola, Marco Lucchinelli and G. Crosby, tried desperately to break Yamaha's lead in this class but no one was successful. Lucchinelli managed to keep pace with the Yamaha ace for nine of the

36 laps. Then Kenny thrilled the crowd as he dashed past Lucchinelli in front of the main grandstand. After that it was all over! "I was pulling wheelies with one hand and waving with the other", said the Yamaha ace after grabbing the second victory of the series.

French GP — May 25

"King" Kenny chalked up his third win of the year in the French GP, the third round at Paul Ricard on May 25. In this race Marco Lucchinelli (works Suzuki) who had been the fastest rider in practice sessions, tried to challenge Kenny for the third time and Randy Mamola (works Suzuki) also made an all-out effort to stop "Kenny" but neither was a match for the Yamaha ace. Kenny has already scored 3 GP wins in a row this year and collected 45 championship points putting himself a cut above the rest!

NEWS FLASH

Mitsuyasu (125cc) & Vromans (500cc) do it right! *Motocross world championships*

Tetsumi Mitsuyasu placed second and first in both races of the West German 125cc GP on June 8, thus chalking up his first GP victory. He finished third in the first race of the Italian GP on June 15 and collected 10 more championship points. Andre Vromans, Yamaha's 500cc

title contender, rode superbly in the Italian GP on June 6, finishing 3rd and 2nd in both races. He showed one of his best rides ever in the Dutch GP on June 15 and won both races! (see our next issue for full reports)

SPORTS NEWS

World Championships '80

Road racing

500cc class

Date	GP	Yamaha's top pts getter
March 23	Venezuelan <i>Cancelled</i>	
April 27	Austrian <i>Postponed</i>	
May 11	Italian <i>Reported</i>	Kenny 15
May 18	Spanish <i>Reported</i>	Kenny 15
May 25	French <i>Reported</i>	Kenny 15
June 15	Yugoslavian	
June 28	Dutch	
July 6	Belgian	
July 27	Finnish	
August 3	Swedish <i>Cancelled</i>	
August 10	British	
August 17	Czechoslovakian	
August 24	West German	

500cc road racing world championship positions

1. K. Roberts 45, 2. M. Lucchinelli & R. Mamola 22, 4. G. Rosshi & T. Katayama, 18, 6. F. Uncini 16, 7. J. Cecotto 15, 8. B. Sheene 10

350 cc class

Date	GP	Yamaha's top pts getter
March 23	Venezuelan <i>Cancelled</i>	
April 27	Austrian <i>Postponed</i>	
May 11	Italian <i>Reported</i>	Cecotto 15
May 25	French <i>Reported</i>	Ekerold 15
June 28	Dutch	
August 10	British	
August 17	Czechoslovakian	
August 24	West German	

350cc road racing world championship positions

1. J. Cecotto 27, 2. J. Ekerold 20, 3. M. Matteoni 16, 4. W. Villa 15, 5. E. Saul 14, 6. C. Perugini 10, 7. T. Mang 8, 8. R. Freymond 7

Motocross

500cc class

Date	GP	Yamaha's top pts getter
April 13	Swiss <i>Reported</i>	Carlqvist 10 + 10
April 20	Austrian <i>Reported</i>	Carlqvist 12 + 12
May 4	French <i>Reported</i>	Carlqvist 8 + 0
May 11	Swedish <i>Reported</i>	Carlqvist 12 + 15
May 18	Finnish <i>Reported</i>	Vromans 5 + 6
June 6	Italian <i>Reported</i>	Vromans 10 + 12
June 15	Dutch <i>Reported</i>	Vromans 15 + 15
June 22	American	
June 29	Canadian	
July 20	West German	
August 3	Belgian	
August 10	Luxembourg	

500cc motocross world championship positions

1. A. Malherbe 157, 2. B. Lackey 140, 3. A. Vromans 106, 4. H. Carlqvist 91, 5. G. Rond 74, 6. R. De Coster 62

125cc class

Date	GP	Yamaha's top pts getter
March 30	Dutch <i>Reported</i>	Velkeneers 0 + 15
April 13	Austrian <i>Reported</i>	Velkeneers 12 + 12
April 20	Belgian <i>Reported</i>	Velkeneers 12 + 15
April 27	French <i>Reported</i>	Velkeneers 15 + 0
May 18	Yugoslavian <i>Reported</i>	Velkeneers 6 + 10
June 8	West German <i>Reported</i>	Mitsuyasu 12 + 15
June 15	Italian <i>Reported</i>	Mitsuyasu 10 + 0
June 22	Czechoslovakian	
July 6	Finnish	
July 27	American	
August 3	Canadian	
August 17	Spanish	

125cc motocross world championship positions

1. H. Everts 98, 2. M. Velkeneers 97, 3. M. Rinaldi 92, 4. E. Gebores 76, 5. T. Mitsuyasu 72, 6. T. Suzuki 54



Italian GP

350cc Road Race World Championship

Venezuelan Yamaha ace aims for the title

— Italian GP —

Johnny Cecotto of Venezuela on a Yamaha TZ350 showed his determination to recapture the 350cc world championship title by winning the Italian GP.

Cecotto streaked into the lead immediately after the 35-lap race started.

Cecotto was virtually unchallengeable, though Raymond Freymond (Yamaha) managed to nose ahead temporarily.

The Italian 350 champion M. Matteoni finished a good second with Walter Villa (Yamaha) third.

RESULTS

Italian GP-May 11

500cc class	
1. K. Roberts	Yamaha
2. F. Uncini	Suzuki
3. G. Rossi	Suzuki
4. J. Cecotto	Yamaha
5. C. Perugini	Suzuki
6. T. Katayama	Honda

Fastest lap — K. Roberts, 1'22" 4, 94.63 mph (record)

350cc class	
1. J. Cecotto	Yamaha
2. M. Matteoni	Yamaha
3. W. Villa	Yamaha
4. C. Perugini	Yamaha
5. R. Freymond	Yamaha
6. J. Ekerold	Yamaha

250cc class	
1. A. Mang	Kawasaki
2. J-F. Balde	Kawasaki
3. P.L. Conforti	Yamaha
4. T. Espie	Yamaha
5. E. Saul	Yamaha
6. P. Ferretti	Yamaha

Spanish GP — May 18

500cc class	
1. K. Roberts	Yamaha
2. M. Lucchinelli	Suzuki
3. R. Mamola	Suzuki
4. T. Katayama	Suzuki
5. B. Sheene	Yamaha
6. J. Cecotto	Yamaha

250cc class	
1. K. Ballington	Kawasaki
2. A. Mang	Kawasaki
3. T. Espie	Yamaha
4. J-F. Balde	Kawasaki
5. R. Freymond	Morbideilli
6. J. Cornu	Yamaha

French GP — May 25

500cc class	
1. K. Roberts	Yamaha
2. R. Mamola	Suzuki
3. M. Lucchinelli	Suzuki
4. G. Rossi	Suzuki
5. G. Crosby	Suzuki
6. T. Katayama	Suzuki

350cc class	
1. J. Ekerold	Yamaha
2. J. Cecotto	Yamaha
3. E. Saul	Yamaha
4. T. Mang	Kawasaki
5. J.-F. Balde	Kawasaki
6. W. Villa	Yamaha

250cc class	
1. K. Ballington	Kawasaki
2. T. Mang	Kawasaki
3. T. Espie	Yamaha
4. R. Freymond	Morbideilli
5. E. Saul	Yamaha
6. J. Cornu	Yamaha

Italian GP Johnny Cecotto



SPORTS NEWS



500cc class French GP

500cc Motocross World Championship

Carlqvist wins the Swedish GP!

Swedish Yamaha ace Håkan Carlqvist won overall honors in the Swedish GP, the fourth round of the series held at Rvaredalen on May 11.

Cheered on by 13,000 fans Carlqvist finished second in the first heat and then won the second heat to collect 27 championship points. This consolidated third position for him in the title chase.

H. Carlqvist



Belgian Yamaha rider Andre Vromans placed fourth and fifth respectively in the two heats to add 14 more points to his tally. "What a wonderful win", said Carlqvist after racing, "I never expected to win the grand prix on my homeground".

RESULTS

Round 3 — French GP — May 4

<i>1st race</i>	
1. A. Malherbe	Honda
2. J.J. Bruno	Suzuki
3. G. Noyce	Honda
4. H. Carlqvist	Yamaha
5. B. Lackey	Kawasaki
6. A. Lindfors	Yamaha

<i>2nd race</i>	
1. A. Malherbe	Honda
2. B. Lackey	Kawasaki
3. J.J. Bruno	Suzuki
4. G. Noyce	Honda
5. R. De Coster	Honda
6. A. Lindfors	Yamaha

Round 4 — Swedish GP — May 11

<i>1st race</i>	
1. B. Lackey	Kawasaki
2. H. Carlqvist	Yamaha
3. A. Malherbe	Honda
4. A. Vromans	Yamaha
5. G. Noyce	Honda
6. G. Mayers	Maico

<i>2nd race</i>	
1. H. Carlqvist	Yamaha
2. A. Malherbe	Honda
3. B. Lackey	Kawasaki
4. G. Rond	Suzuki
5. A. Vromans	Yamaha
6. T. Pikkariainen	Maico

Round 5 — Finnish GP — May 18

<i>1st race</i>	
1. G. Noyce	Honda
2. R. De Coster	Honda
3. B. Lackey	Kawasaki
4. A. Malherbe	Honda
5. J.J. Bruno	Suzuki
6. A. Vromans	Yamaha

<i>2nd race</i>	
1. A. Malherbe	Honda

- 2. G. Rond
- 3. B. Lackey
- 4. G. Noyce
- 5. A. Vromans
- 6. J.J. Bruno

- Suzuki
- Kawasaki
- Honda
- Yamaha
- Suzuki

Yamaha rider Tetsumi Mitsuyasu placed third and sixth in the two heats of this round. Now only one point separates Velkeneers from Everts in the championship chase.

125cc Motocross World Championship

Velkeneers in hot pursuit

Marc Velkeneers (Yamaha) gained 16 more championship points by finishing fifth and third in the Yugoslavian Grand Prix held on May 18 while Harry Everts (Suzuki) fell off and got no points. Japanese

M. Velkeneers



RESULTS

Round 5—Yugoslavian GP—May 18

<i>1st race</i>	
1. M. Rinaldi	TGM
2. G. Rahier	Gilera
3. T. Mitsuyasu	Yamaha
4. M. Autio	Honda
5. M. Velkeneers	Yamaha
6. O. Svendsen	KTM

<i>2nd race</i>	
1. G. Rahier	Gilera
2. W. Kalberer	KTM
3. M. Velkeneers	Yamaha
4. M. Autio	Honda
5. M. Rinaldi	TGM
6. T. Mitsuyasu	Yamaha

A fierce battle immediately after the start



T. Mitsuyasu

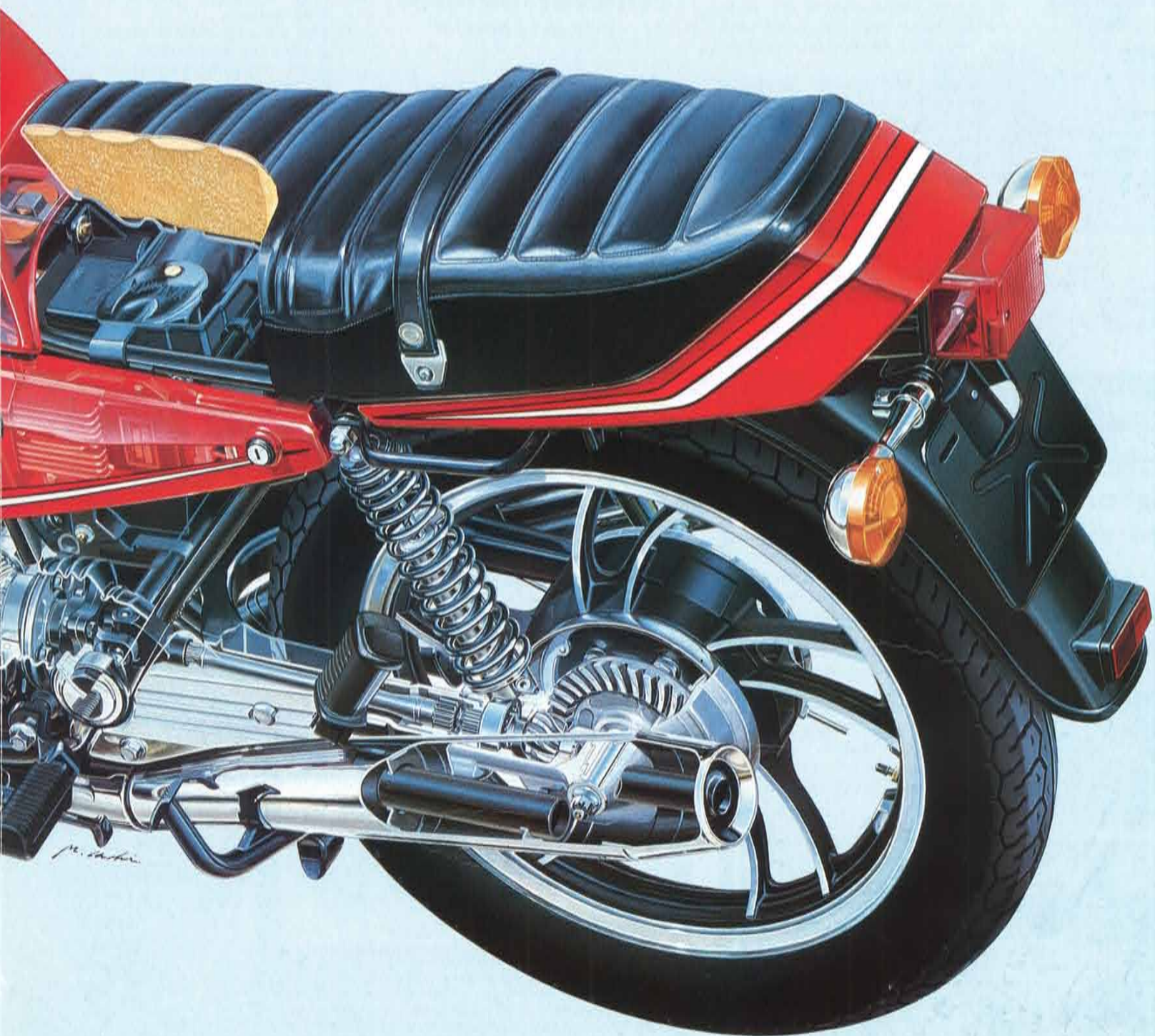




YAMAHA

• Overall length: 2170mm • Overall width: 730mm • Overall height: 1130mm • Seat height: 780mm • Dry weight: 206kg • Engine type: 4-stroke 4-cylinder, DOHC • Displacement: 653cc • Max. power out

XJ 650



Output: 73(DIN) ps/9000rpm • Max. torque: 6.0(DIN) kg-m/7500rpm • Fuel tank capacity: 19.5 lit. • Brakes: front-hydraulic disc 2, rear-mechanical drum • Tires: front-3.25H19-4PR, rear-120/90-18-65H

Yamaha Sports XJ650 & XJ650 Maxim

New totally balance

Setting new standards in modern motorcycle design, the Yamaha Sports XJ650 & XJ650 Maxim will soon make their debut on the market as the forerunners of an entirely-new superbike generation. The XJ650 is built to European specifications and the XJ650 Maxim to American specifications with respective market trends taken into thorough consideration. Both feature a newly developed DOHC 4-stroke air-cooled in-line four cylinder engine which is surprisingly slim and compact, together with the proven shaft-drive mechanism and close-ratio 5-speed transmission, ensuring extra riding comfort even when ridden hard for long hours. Styling is also attractive enough to make even single-minded sports bike fans fall in love with these models.

Design aims

In order to build a truly exciting yet controllable road sports superbike model, specific design efforts were focussed on the following points:

1. **Marked individuality**
 - Styling, performance, riding feel, etc.
2. **Totally striking image**
3. **More emphasis on exclusive motorcycle advantages**
 - Zippy riding even in a strong wind
 - Naked beauty
 - The feel of dynamic acceleration
 - Speediness
4. **Handling ease**
 - Natural riding position
 - Effortless static operation

- Easier footing
- 5. **High quality**
 - Gorgeous appearance
 - Outstanding finish

To speak more concretely, both models have been designed and built with the following technical improvements:

1. Superb performance far above mediumweight standards and that, equal to that of a 750cc bike.
 2. Improved overall handling
 3. Operation ease like that of a 400 or 500cc bike
 4. Dignity inherent in a superbike
 5. Better fuel economy
- In brief, the perfect combination of power, weight, balance and handling is realized in these new models.



XJ650 Maxim

Technical features () = XJ650 Maxim

1. **High performance engine**
The DOHC 4-stroke 4-cylinder 653cc engine has been developed with a target of 100ps/liter in mind. The XJ650 delivers 73 (DIN) ps (64ps) at 9,000rpm. This is the highest power output in the same capacity class. Torque development is very smooth over the entire range of speeds. The engine construction is overall compact and slim with the AC generator positioned behind the array of four cylinders. The total width of four cylinders is only 48mm more than that of a twin XS650 Special. This also results in the most effective weight distribution as well as a better center of gravity, thus increasing greatly machine's handling stability.
2. **Lightweight shaft-drive mechanism**
The virtually maintenance-free shaft-drive mechanism is basically the same as that on the larger XS series models. The middle gear is constructed as an integral part of the crankcase. This has shaved precious pounds from the total assembly weight. The XJ650 weighs only 206kg (203kg), thus lowering the power-to-weight ratio to 3.12 (3.17).
3. **Lowered seat position**
The seat position of the XJ650 is only 780mm (750mm) high. This enables the rider to place his feet squarely on the ground. The feeling of "being placed on a bike" is completely discarded, now you can take a more natural "sit-in" posture and handle it as you want, as if it were an integral part of your body.
4. **The XJ650 Maxim features a "Special" styling**

Road Test in Japan

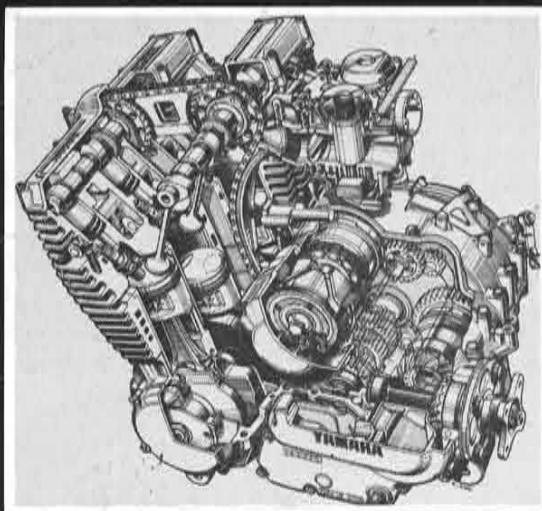
The XJ650 & XJ650 Maxim are favorably noticed by motorcycle journalists

The staff of the leading motorcycle magazines were invited to test-ride these models on the Yamaha Course at Fukuroi on May 8 & 9.

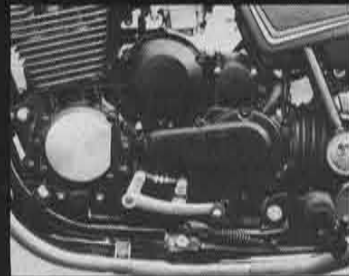


The perfect combination of power, weight and handling on these new 4-stroke 4-cylinder sports models greatly appealed to everyone.

"Yamaha's new 650's forerun an entirely-new breed of totally balanced superbikes" said one of the test riders after testing, "The impressively responsive engine, slim chassis construction and smooth handling represent Yamaha's positive intention of tackling the ultimate in modern motorcycle design".



The AC generator is placed behind the cylinders. This has shaved precious inches off the engine width. The XJ650 features a back-step design and the change pedal is operated through a link. (right top) The IC igniter is seen with the left sidecover removed. The chain lock is standard equipment and can be taken out without removing the sidecover. (right)



Yamaha Sports XJ650 & XJ650 Maxim

d road sports bikes

XJ650



Symbolized by its "sit-in" riding position, the XJ650 Maxim which is intended for use by American superbike enthusiasts, features a striking "Special" styling, with the pull-back type handlebars, teardrop type fuel tank, low tiered seat, a wide small-diameter rear tire, shortcut megaphone mufflers, etc.

The XJ650 on the other hand, is built to European specifications in favor of super sports styling, featuring the big fuel tank, end-up exhaust pipes, 200ø halogen headlight, low tailcowl-fitted seat, etc. Both models are aimed to set a trend in their respective domains in the eighties.

5. Super-smooth handling
The rigid high-tensile double cradle tubular steel frame has reduced the under-spring weight in combination with the newly designed "Italic" type cast wheels. Wheel travel is increased and leaning angle is

deeper due to the adoption of end-up mufflers. All these factors result in super-smooth handling.

Other considerate design characteristics include:

1. The engine is rubber mounted for the sake of lower vibration
2. Leading axle type front forks (XJ650 Maxim)
3. A lower noise level
4. Full transistor ignition
5. The first oil level caution lamp ever on a bike
6. Left grip-controlled choke lever
7. The first built-in type chain lock ever on a Japanese bike.
8. Tubeless tires
9. Electric motor's safety device
10. Rear brake wear indicator
11. Oil level inspection hole
12. Negative pressure type fuel cock

13. Steering rod-operated main switch (XS650 Maxim)
14. Attractive aluminum muffler stays and grabbars (XJ650 Maxim)

15. Dual horn (XJ650)
 16. Luggage box (XJ650)
- The XJ650 gives you 38km/lit. (40km/lit.) on the flat road despite its exciting high performance.

SPECIFICATIONS

() = XJ650 Maxim

ENGINE

Type 4-stroke, D.O.H.C. four
Displacement 653 cc
Bore and Stroke 63 x 52.4 mm
Compression ratio 9.2 : 1
Max. Power output 73-DIN (64) PS/
9,000 r.p.m.
Maximum torque 6-DIN (5.3) kg-m
@7,500 rpm
Carburetion (4) HSC32
Ignition Transistor
Starting Electric
Lubrication Wet sump
Transmission 5-speed gearbox

Overall height 1,130 (1,180) mm
Seat height 780 (750) mm
Wheelbase 1,435 (1,445) mm
Ground clearance 140 (145) mm
Dry weight 206 (203) kg
Fuel tank capacity 19.5 (13) l
Oil capacity 3.2 l
Suspension
Front Telescopic forks
Rear Swing arm
Brakes
Front Hydraulic double disc (single)
Rear Drum
Tires
Front 3.25H 19-4PR
Rear 120 (130)/90-18 (16)-65 (67) H

CHASSIS

Overall length 2,170 (2,165) mm
Overall width 730 (860) mm

*Specifications are subject to change without prior notice.

An overseas response

Motor Cycle News (Great Britain) — May 28

Moto Journal (France) — April 6



"Don't be fooled by the final drive shaft, Yamaha's XJ650 is anything but a sedate tourer".

Under this exciting lead "Motor Cycle News", the leading British Motorcycle press, introduces the story of their firsthand road test as follows (extracts):

"The four cylinder superbike is a rip-roaring sportster that spells excitement with a capital E. With well over 120mph on tap it has no trouble in showing a clear pair of heels to anything in its capacity class and is capable of cutting a good many bigger bikes down to size....."

With the aid of a strong tail wind, the 650 clocked 121.1mph. Although this could be bettered on a longer track, the speed we clocked is representative of its true road potential.....

The shaft transmission is so smooth and it would be easy to mistake it for chain drive. It is completely lurch-free and forgives downward changes at high revs with no more than a skip of protest at the rear wheel.....

Styling is superb and not all the design features are as purely cosmetic as the attractive cast wheels.....

The XJ650 was thoroughly test-ridden by the staff of Moto Journal prior to its debut on the French market.

The following is the extracts from their test reports:

"Weighing only 206kg and featuring a slim chassis design with lowered seat position and tucked-in exhaust pipes, the new Yamaha 650 handles very dependably and smoothly in combination with the function of the proven shaft-drive mechanism.

Weighing only 206kg (dry), the new Yamaha 650 is one of the lightest machines in its capacity class. This is another great advantage for this model.

The DOHC 4-stroke 4-cylinder engine gives out full 68ps at 9,000rpm and its overall construction is surprisingly slim and compact with all exhaust pipes tucked in close to the frame, allowing the rider to take his most natural riding position for a longer period of touring.

The new model is priced at Fr. 17,000 and this is considered reasonable. The new Yamaha will be a threat to the Kawasaki 650, the present best seller on the French market".



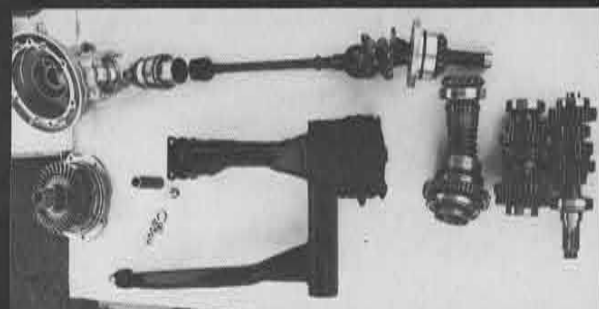
The XJ650's handlebars. The meter panel is placed at an angle of 55°. This allows the rider to take every reading very easily. The flasher lamp is self cancelling.



The compact ferrite starter motor is 0.5kg lighter than a conventional one.



Both models have an oil level sensor on the oil pan. The sensor begins to work and a warning lamp is lit when 0.8 lit. of oil has been consumed.



The newly designed shaft-drive system. The middle gear is built in the crankcase, reducing the total weight by 3kg, compared to a conventional system. The drive damper is also newly designed to improve the performance of the shaft-drive system on these models.



The Yamaha Training Center Starts Its Operation

Not only motorcycles, but also all other Yamaha products, such as outboard motors, diesel engines, FRP boats, portable generators, multipurpose engines, snowmobiles, etc. have continued to expand their respective markets worldwide in recent years. All these products gain public favor for their high quality and dependable performance with the backing of Yamaha's long proven technology.

Keeping pace with this remarkable growth of sales, the improvement of the technical training system is rapidly increasing its relative importance in Yamaha's comprehensive corporate activities which cover every part of the world.

The new Yamaha Training Center, which started its operation in March of this year, is literally Yamaha's technical training headquarters.

Consolidated training functions

"Yamaha sells quality" — in order to realize this business motto in every product and in every market, Yamaha has been very conscious about the training of the technical staff who are active in the first line of sales and after-sale services both here and overseas.

The new Yamaha Training Center wherein all technical training functions for all Yamaha products, are consolidated, marks another giant stride forward in the perfection of Yamaha's technical training system, so that the best possible after-sale services may be afforded to every product purchaser in the world.

The Center, which is a modern 3-story building with a total floor space of 1,495m² is located on a 5,552m² site within a 5-minute walk of the Main Office of Yamaha.

The first floor consists of three technical training rooms (one for marine technical training and two for motorcycle technical training), together with a spacious hallway.

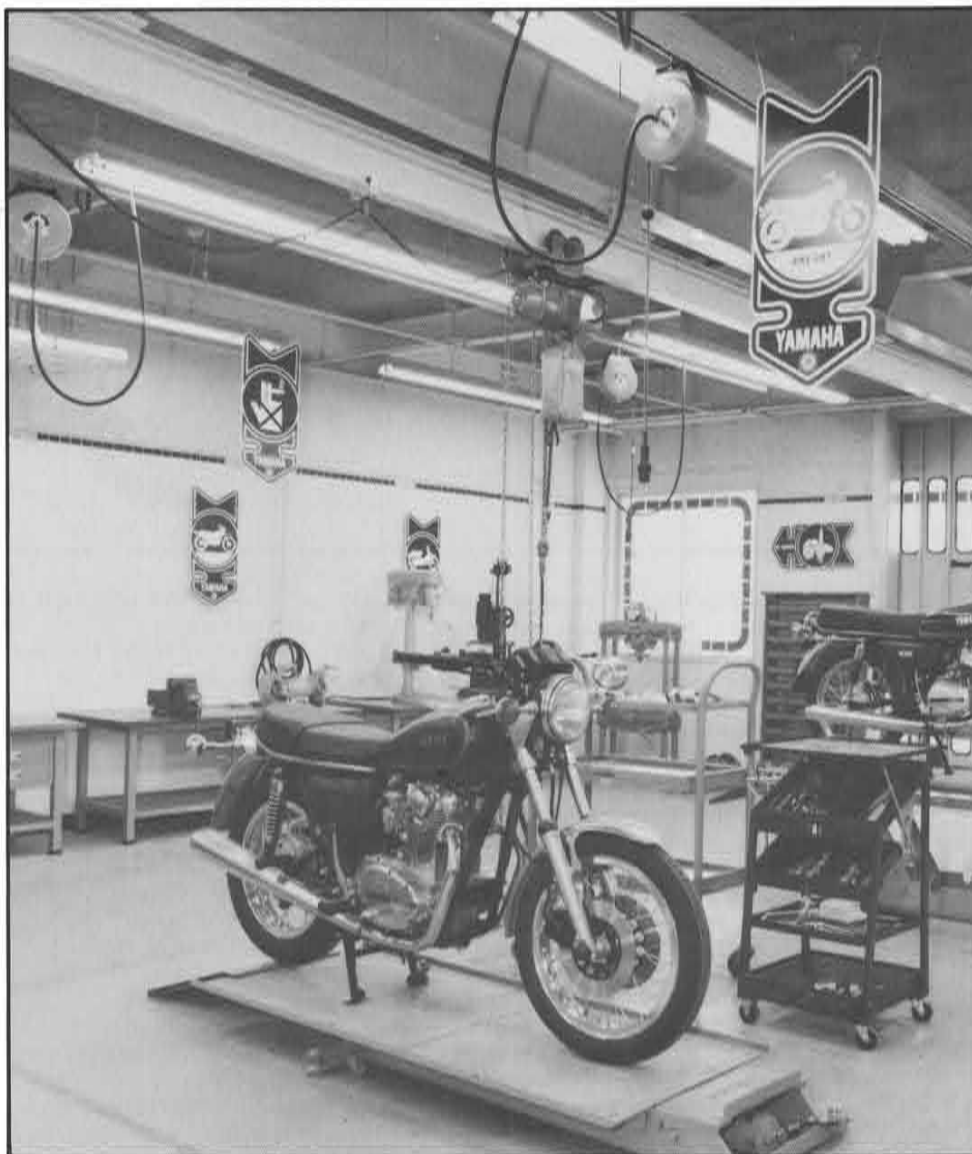
Each training room covering 126.28m² in total floor space takes a form of well-arranged workshop completely furnished with repair/service tools, equipment and materials essential to the effective implementation of a technical training program. Both ventilation and lighting are excellent.

The second floor has two lecture rooms (104.28m² each) and one storage room for teaching materials (63.14m²), as well as a reception room (20.43m²), a meeting room (20.43m²) and a bright lobby space.

The third floor is comprised of one large lecture hall (208.56m²) and one standard lecture room (104.28m²). This floor also includes a machine room, in addition to a lobby space similar to that on the second floor. Each room features excellent ventilation and lighting.

The large lecture hall can be used as two standard lecture rooms by a sliding screen as different occasions require.

In order to expedite the progress of technical training, the following equipment and tools are utilized:



The technical training room gives a good example of workshop layout.

- *8mm and 16mm movie cameras
- *Overhead projectors
- *Slide projectors
- *Parabolic reflector
- *Parabolic radar
- *Electric condenser microphones
- *Color video monitors
- *Color video cameras
- *Color video projection system
- *Radio cassette recorder



The front view of the Training Center



A seminar for IPC leaders



The large lecture hall



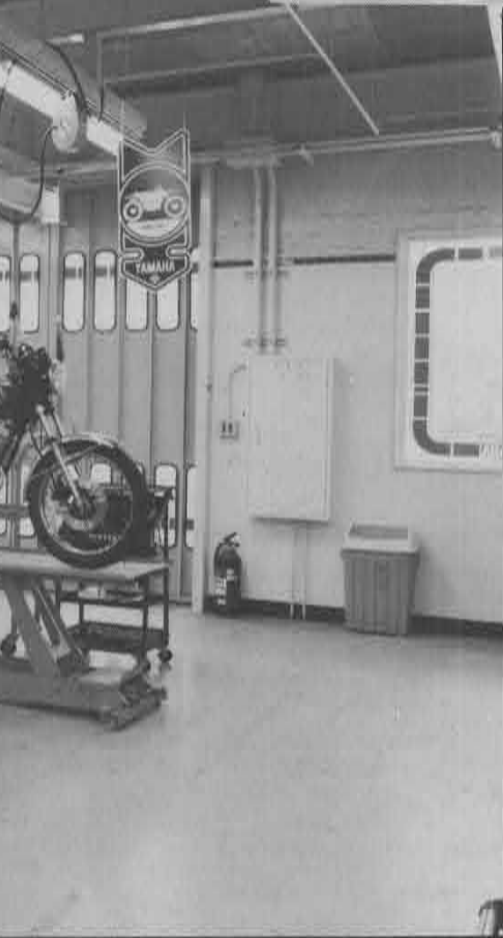
A technical meeting



A technical course for outboard mechanics

Yamaha gets fully prepared for the perfection of its technical training system

ヤマハ発動機株式会社 研修会館
YAMAHA MOTOR CO., LTD. TRAINING CENTER



The training program gets going!

As mentioned above, the Center started its operation in March of this year, taking the lead in the develop-

ment of Yamaha's comprehensive training program.

As for the domestic market, training schemes, which cover all Yamaha products, include not only technical lectures and practice for the service mechanics of Yamaha's regional distributors and main dealers, but also several other courses for the technical staff of Yamaha Motor, such as technical orientations for new employees, etc.

One training course is conducted over 2 to 7 days depending on the level of participants' technical skill and knowledge of Yamaha products.

As for overseas markets, first-stage plans have been laid to train the key technical staff of Yamaha importers, such as service managers, senior mechanics, etc. in advanced service/repair skill and knowledge of Yamaha products.

Lectures and practice workshops are conducted by competent Yamaha instructors using their proven teaching methods to help all participants polish up their technical knowledge and skill in the most efficient manner. These participants are expected to teach their own service staff what they have learned at the Center so that general standards of repair and service techniques are improved on all levels.

Each training room is neatly arrang-

Competent instructors & good facilities



Mr. Hanny Wiano

"The Yamaha Training Center has competent instructors and good facilities", says Mr. Hanny Wiano, Managing Director of KG Marine, Yamaha outboard motor distributor in Indonesia. He has recently finished a one-week outboard technical course at the Center. "Yamaha outboard motors already make up the largest share of the total Indonesian market. In particular, Yamaha kerosene models featuring Yamaha's foremost engine technology are attaining an

unrivaled reputation for their outstanding fuel economy and amazing durability.

We have firm confidence in Yamaha products and at the same time we feel strongly the necessity of improving the quality of our after-sale services so that we can win higher customer trust".

Mr. Wiano, a young, active executive, is enthusiastic about increasing monthly sales to 600 or more in the nearest possible future. He has a belief that better after-sale services will lead to an increase in sales.

"The Yamaha Training Center which started its operation in March of this year represents Yamaha Motor's positive attitude toward the training of its technical staff.

I, as well as several other Indonesian servicemen, have learned a lot about advanced techniques essential to our outboard motor service and repair business.

Competent instructors and good facilities have greatly helped us brush up our skill and knowledge. All of what we have learned here will be fed back into our technical business to see that every Yamaha outboard sold is used in the best working condition".

ed, giving an example of good workshop layout. Therefore, all participants will learn how to arrange a workshop for the maximum in repair/service work efficiency while they are taking the training course.

Workshop layout is one of the most important factors in the development of repair/service work. Better workshop layout brings higher work efficiency, thus resulting in better after-sale services, enhancing the brandname of Yamaha.

The first overseas participants were Korean motorcycle and Indonesian outboard mechanics who finished their respective training courses

very successfully.

A modern hotel

A well-equipped 4-story hotel is also located on the same site. The hotel covers 1,656m² in total floor area and has 12 4-person rooms (17.5m² each) on the second floor, together with 12 2-person rooms (17.5m² each) on the third floor.

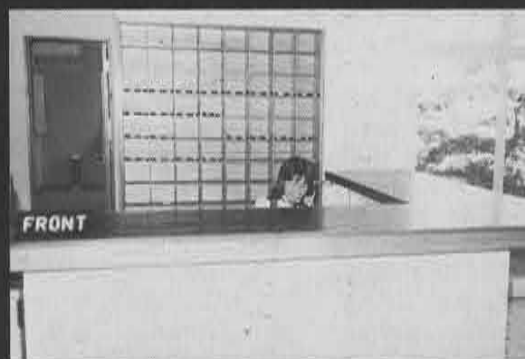
The first floor is mainly occupied by a large dining hall. The fourth floor is being redesigned into several larger rooms.



A technical course for motorcycle mechanics



The front view of the hotel



FRONT

A front girl



A comfortable 2-person room

Yamaha Outboard Motors

YAMAHA outboard motor SERVICE CONTEST

Service Contests

The Yamaha Outboard Motor Service Contest, which began in June of last year, has been successfully completed. 46 distributors submitted their final reports with necessary photographs to Yamaha by May 25, the prescribed deadline. These reports are being carefully examined and evaluated by the contest judges at Yamaha. Final results will be decided by the end of July.

Customer trust is increased

The Yamaha Outboard Motor Service Contest was the first large-scale campaign of its kind Yamaha has ever organized for its worldwide outboard motor distributors who are enthusiastic about offering the best possible after-sale services to their customers. As you know, Yamaha outboard motors are achieving a remarkable rise in sales everywhere in the world. At the same time, the importance of improving the quality of after-sale service and parts supply operations is also greatly increased for both Yamaha and all related distributors and dealers. Market trends or needs naturally differ from one nation to another. In order to ensure that every motor sold is used in the best working condition with the backing of good after-sale services based on Yamaha's established standard, Yamaha feels the need to get a clearer appraisal of each distributor's after-sale service and parts supply business.

With this in mind, Yamaha launched the above one-year service contest in June of last year. The contest was designed to cover all aspects of outboard motor distributors' after-sale service and parts supply operations, which were grouped into seven main categories as follows:

- * Servicemen
- * Workshop
- * Servicemobile and/or service boat
- * Service equipment & facilities
- * Exchange of information
- * Spare parts
- * Sales promotion

All participating distributors showed praiseworthy enthusiasm throughout the one year contest.

The periodic reports, which described the actual state of their after-sale service and parts supply business, were evaluated by the contest judges according to the specified criteria. The contents of these reports greatly helped Yamaha gain better knowledge of individual distributors' after-sale service and parts supply operations, thus enabling Yamaha to give better suggestions or guidance, as well as necessary tools and materials, to these distributors. Following these



Mr. R. Seki
Contest officer

suggestions or recommendations, the participants made every possible effort to improve the quality of their after-sale services, a fact which was very favorably received by their customers. Reflecting this trend, their average increase in sales of Yamaha outboard motors reached the 77% mark for the contest period, compared with the corresponding period of the previous year. The sales of spare parts also showed a 62% rise for the same period. This indicated that the service contest was a great success by winning higher customer trust everywhere in the world.

Efforts will be continued

All participating distributors have already improved their after-sale service business in a very satisfactory manner according to Yamaha's guidelines, more details of which will be introduced later.

These distributors are expected to continue their efforts along this line so that every motor sold will be used in the best operative condition. Another important point is how to apply these contest achievements to their sales promotion. They will now be inclined to develop their sales and service promotion activities in a more effective manner, including service seminars, free-check service, new model demonstrations, new model exhibitions, etc., backed by a new con-

Pictures show that they are enthusiastic about making the most of contest achievements in every aspect of their business activity.

By Astilleros Vaguecraft, S.A.C.I.F., Argentina (Oct. '79)



By Yousuf.Habib Al Yousuf, Dubai (Nov. '79)



fidence in the overall improvement of their system.

17 participants are considered as grand prize winners!

As mentioned above, 46 distributors prepared and submitted their final contest reports to Yamaha. Final results will be published in our No.9 issue. These reports will be evaluated in two ways according to the following criteria:

Criterion A

1. Enthusiasm in the contest (frequency of contest correspondence)
2. Actual improvements made during the contest period
3. Attitude toward the improvement of workshop, field service, spare parts supply and service techni-

que, together with actual achievements.

4. Shipment quantities of outboard motors from Yamaha (before and after the contest)
5. Shipment quantities of spare parts from Yamaha (before and after the contest)

Criterion B

Actual improvements related to the following items:

1. Number of servicemen
2. Workshop for outboard motor servicing
3. Servicemobile and/or service boat
4. Service equipment & facilities
5. Exchange of outboard market information
6. Spare parts control
7. Sales promotion activities

Even now 17 participants (from 16 nations) are considered as grand prize winners as follows:

- * Africa & Iberia Block

Yamaha Outboard Motors

It Is A Great Success!

By Eliopoulos Brothers Ltd., Greece (Jan. '80)



By Danfay Distributors, Ltd. Ireland (Feb. '80)



By G.A. Yupangco & Co., Ltd., the Philippines (Feb. '80)



- * Middle East & West Asia Block 3
 - * Southeast Asia & Oceania Block 6
 - * Latin America Block 4
- Out of these participants, the first 12 will be awarded the following fantastic prizes:
- Golden award (four participants)
- * One week trip to Japan
 - * Certificate of merit
 - * Television set
- Silver award (four participants)
- * One week trip to Japan
 - * Certificate of merit
 - * Digital wristwatch
- Special effort award (four participants)
- * One week trip to Japan
 - * Certificate of merit
 - * Coupons worth \$1,000 for Yamaha outboard parts or special tools.

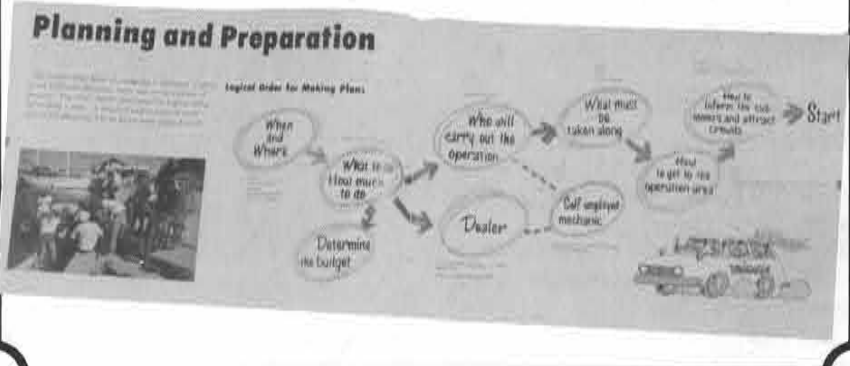
- Grade A service shop award
For those who receive higher points
- 1. Authorized class A service shop plaque
- 2. Japanese camera
- Grade B service shop award
For those who receive good points
- 1. Authorized service shop plaque
- 2. Transistor radio with cassette recorder.
- Participants' award
For all participants who submit all reports
- 1. Yamaha service sign board (illumination type)
- 2. Beautiful binders

Apart from the contest classification itself, which will be decided according to the evaluation of the final reports, some participants among those who have missed the previously stated awards in spite of their outstanding efforts may be awarded one week trip to Japan. We wish everybody a good luck!

Many other participants will be eligible to the following awards for their commendable efforts:

"PROMOTE YOUR SALES"
Let's get out and around
Inspection Service from A to Z

This is a new sales promotion "inspection service patrol" manual explaining how to develop inspection service activities in direct connection with sales promotion. Covering all the necessary factors of these activities, such as "planning and preparation", "actual planning operation", "inspection service patrol" necessary tools, equipment and aids", "how to attract crowds", "Inspection site decoration", link-up of sales promotion", etc., this manual should be a great help in promoting sales.



New PR Film

Yamaha Kerosene Outboard Motors

Introduced here is a new Yamaha PR film titled "Yamaha Kerosene Outboard Motors", all the photos of which were taken on location in Sri Lanka.

The Government of Sri Lanka is expanding its large-scale fishery development project for the prime purpose of improving the national economy at a time when land resources are rapidly being depleted throughout the world and a pronounced tendency is observed wherein many nations of the world are directing greater attention to the sea with its abundant possibilities for more efficient exploitation. Along with the above mentioned trend, this film explores the important role being played by Yamaha kerosene outboard motors in the promotion of coastal-water fishery. In recent years coastal-water fishery

has come to rank as the number two industry in Sri Lanka due to the progressive mechanization of fishing boats bringing fishermen larger catches than ever. Yamaha kerosene outboard motors have best met the requirements of this field. Kerosene engine-driven fishing boats can reach the fishing grounds more quickly and operate for longer periods than non-powered boats so that fishery productivity is greatly increased. These engines use kerosene which is much less expensive than gasoline. It is also important to note here that

Yamaha's advanced engine technology has overcome all the disadvantages peculiar to this kind of fuel, such as poor evaporation, slower burning, lower octane rating, etc., by employing two carburetors, one for gasoline and the other for kerosene. In this system an extremely small amount of highly volatile gasoline is used to facilitate engine starting and to ensure stability at low speeds. The system features an automatic changeover from gasoline to kerosene and vice versa. The new film vividly shows how Yamaha kerosene engine-driven boats are helping to the fishermen in

Sri Lanka. In connection with this, the Minister of Fisheries provides his comment on the progress of the fishery development project and confirms that Yamaha kerosene engines have played a vital role in it.

SPECIFICATIONS

Size: 16mm,color
Running time: 22 minutes
Narration: English
Price: ¥67,000 FOB Japan



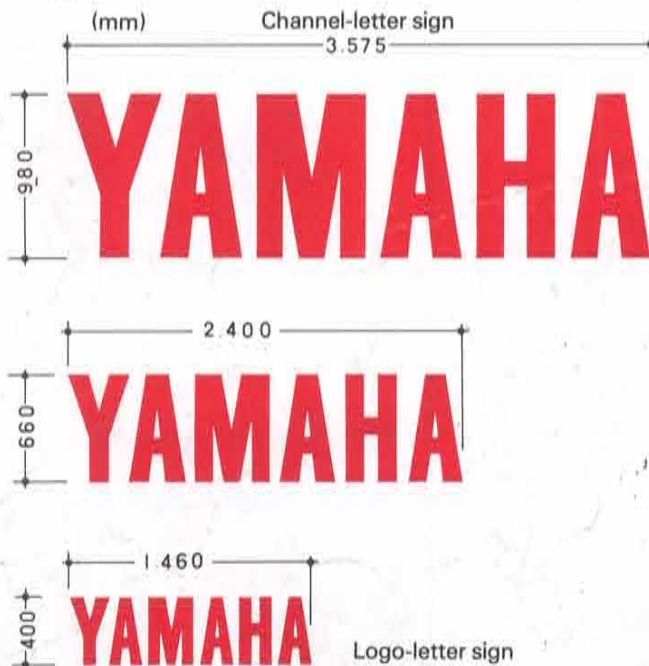
Make your shop more attractive !

New Yamaha channel-letter sign

A newly designed Yamaha channel-letter sign will make your shop much more attractive. The sign is made from ABS resins and available in two different sizes as illustrated. Each letter has three hooks which are fixed on the shopfront wall by screws. Screw heads must be finished in the same color as the wall after the sign is fixed.

New Yamaha logo-letter sign

This sign is also made from ABS resins. Use two-sided adhesive tape to fix it on an interior or exterior wall, or showwindow glass. If the use of tape is not allowed, bore holes in each letter for screw



fixing. Finish screw heads with the paint provided.

