

TXTPRO 24



**MANUAL DEL USUARIO
SERVICE MANUAL
MANUEL D'ENTRETIEN
LIBRETTO USO E MANUTENZIONE**

GAS GAS

GAS GAS thanks you for your confidence

By choosing the new GAS GAS Pro 2004 you have just entered the great GAS GAS family and, as a user of the number one off-road motorbike manufacturer, you deserve the distinguished treatment that we wish to offer to you both in our after-sale relationship and in the explanations that we provide in this manual.

Our Pro 2004 is a bike conceived for the practice of high-competition trial. It is actually the fruit of many years of competition and experimentation in this demanding discipline, as well as the many great successes achieved thanks to great trial riders who have contributed with their expertise to the basic data that have allowed us to create a high-level motorbike, a GAS GAS which counts on its low weight as a significant key factor.

Congratulations for making the right choice. With your skills at the commands of this motorbike, an adequate preparation and the indispensable servicing for this GAS GAS to be highly reliable, you will be able to enjoy the most comfortable and rewarding trial practice.

Thanks for your confidence and welcome to GAS GAS Motos.

GAS GAS MOTOS, S.A.
July - 2003



Important notice

Read this manual carefully. It contains all the aspects that must contribute to your and other people's safety, apart from guaranteeing the perfect conservation and maintenance of the GAS GAS motorbike that you have just purchased.

All the instructions to ride and handle it correctly are detailed below. Each message is preceded by the signs below and their corresponding meanings:



Beware! With this symbol we detail all the precautions that must be taken to avoid minor or severe injuries and even the user's death in case they are not followed correctly.



Attention! This symbol indicates the special recommendations to avoid damaging the motorbike. If they are not followed the guarantee may be automatically extinguished.

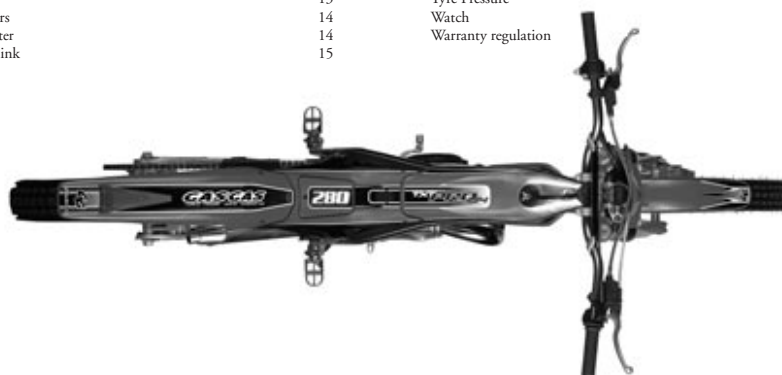


Notes. They are the necessary indications for a better use of the control and adjustment operations, as well as the conservation and maintenance works to be performed on the motorbike, so that you get the biggest satisfaction when riding it.

The aim of this manual is to help the user to minimise or avoid injuries to other people or damage properties or the environment, as well as to your new motorbike. That is why all the information presented is based on data obtained from the most recent range available from the manufacturer right before this document was printed. However, GAS GAS has the right to alter it with no previous notice to the consumer without incurring in obligations of any kind. Your closest dealer will also help you by providing any information you may require.

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Recommendations to get the best performance out of your GAS GAS

We recommend an eight-hour running-in for the best engine operation.

It is important to get the engine to its optimum working temperature every time that the motorbike is used.

Use 1.5% mixture of petrol and synthetic or semi-synthetic 2-Stroke oil.



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Maintenance summary

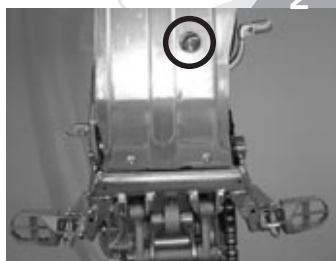
Cooling liquid	-30°C cooling liquid
Sump oil	(10w40) 550 c.c.
Spark plug	NGK BPR5ES
Electrode gap	0.6 mm
Amount of oil in the fork	310 cm ³
Length of shock-absorbing spring	140 mm
Suspension fork oil	SAE 5
Front wheel pressure	Normal 0.450 bar Competition 0.420 bar
Rear wheel pressure	Normal 0.350 bar Competition 0.300 bar



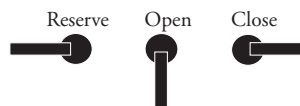
The oil drain plug is underneath the left side of the engine. A hole in the skid plate makes it easier to drain the oil.

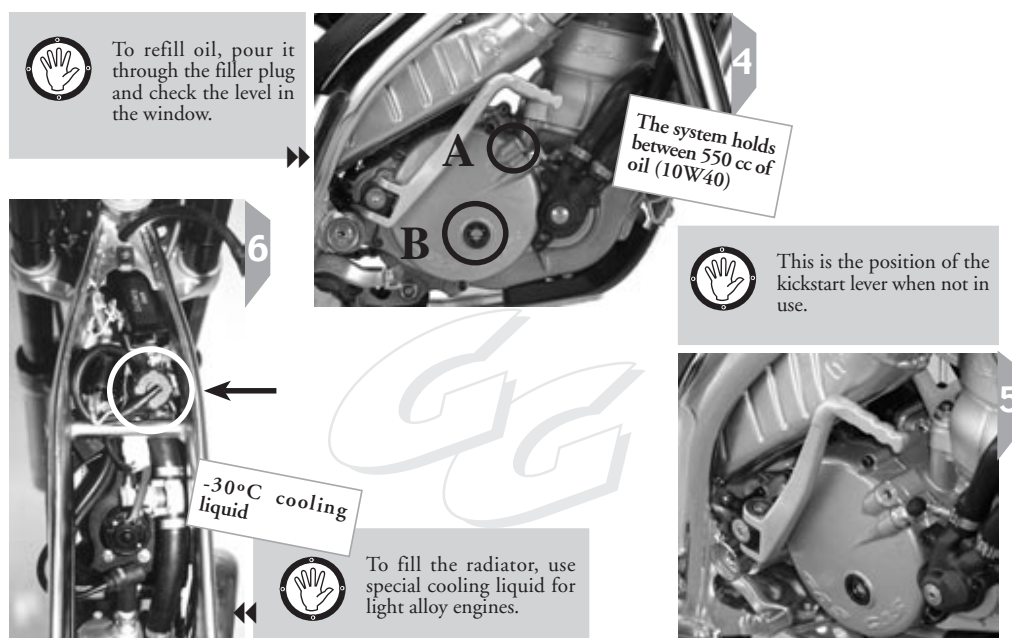


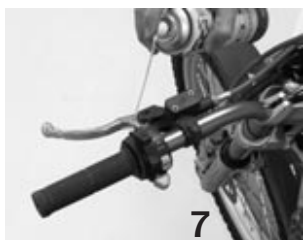
The new GAS GAS Pro 2004 has its corresponding homologation plate, which must correspond to the documents and frame number, printed in the steering axle.



The position of the fuel tap must be forward rearward for normal operation. When turned upwards, it opens the reserve, downwards it turns off the fuel.







You must use special oil for:

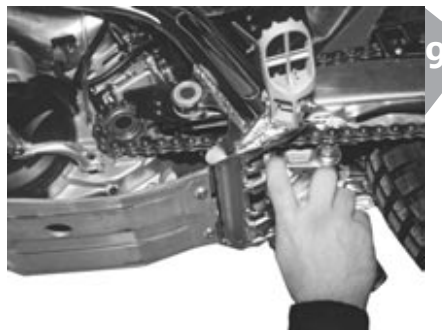
1) The clutch and brake lever pivots



2) The gear lever pivot



3) The rear brake pedal pivot (bearings)





4) The foot peg springs and pivots.



10



11



5) The kick start lever.



12



6) The chain must be cleaned and oiled regularly, due to its constant friction and exposure to all types of weather conditions.



7) Apply a thin oil film over the handlebar on the throttle side for smooth operation.



14



8) The chain tensioner spring must also be greased as it takes a lot of strain.



15



9) The throttle grip must be oiled and cleaned frequently as well, specially after using high pressure water washing equipment.



Adjust the throttle cable free play as shown in the illustration.



16



17



The state of the spark plug must be regularly checked. The gap of the electrode must be

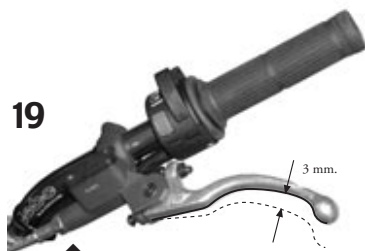


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The idle and petrol-air mixture can be adjusted as shown in the illustration.

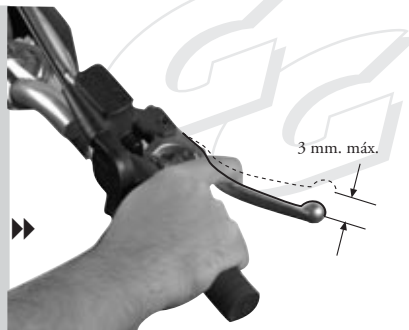
19



The clutch lever must be adjusted to your liking, but the free play should not exceed 3mm. This play must never be eliminated.



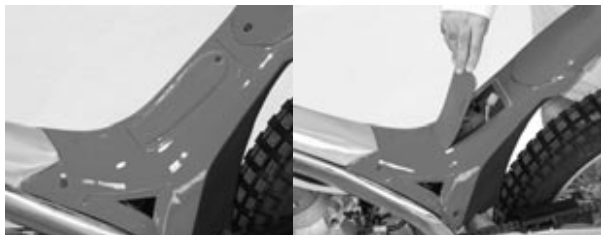
Like the clutch, the front brake lever must be in the ideal position. Again, the play must not exceed 3mm, and must never be eliminated.



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The air filter must regularly be cleaned. To remove it, open the lid under the seat cover. To clean it, use water and detergent, leave it to dry and use special foam filter oil to soak it. Make sure it is properly re-installed once it has been cleaned. The rubber stopper under the filter cartridge must be hand-tightened to let out the water accumulated inside.





To tension and centre the rear wheel, there are two easy-to-use snail cam adjusters.



The split link clip should be placed with the open end facing away from the direction of the drive (see photo).



The chain tension should allow it a movement of 1.5 cm at the chain tensioner.





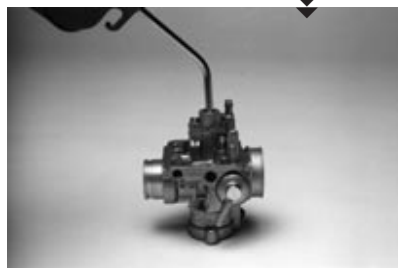
Periodically dismantle and clean the main jet after each wash, as well as the inside of the carburettor fuel bowl.



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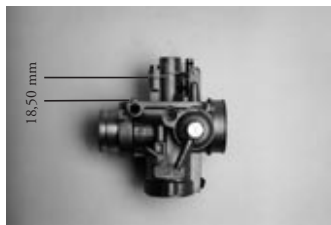
Compressed air should be used to clean jets and passageways in the carburettor body.



26



It is important to control the float level inside the carburettor. The buoy height should be 18.50 mm.



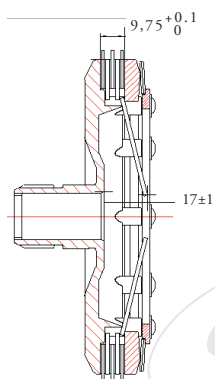
27



After a long time of use the clutch plate wear must be checked. The minimum thickness for correct operation must be 9.75-9.85 mm.



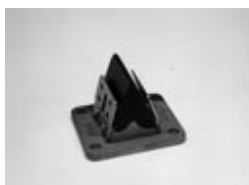
28



30



The gap between the reeds and the bumpers must be 3.5 mm for all cylinder sizes.




29




The clutch pressure plate must be 4.4-4.5 mm thick.






 (A) The circle indicates where the water pump draining plug is.

«

 After dismantling and assembling the clutch drive circuit, the remaining air can be removed through the bleed nipple.

▼

 (B) To check the oil level, set the motorbike upright. If the bike has just been used, leave it steady for some minutes. Check the oil level in the window situated low on the right side of the engine. The oil level must be between the minimum and maximum indicators. If it is too high, remove the excess; if it is too low, add the necessary oil through the oil filler plug. Use the same type and make of oil as the one already inside the engine.





Regularly verify the clutch fluid level through the window.



33



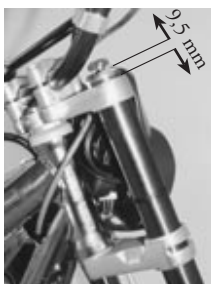
Each suspension bar must hold 310 cm³ of SAE5 oil.



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The front suspension is manually regulated. The right bar contains the damping regulation, the left one the hydraulic compression.



35



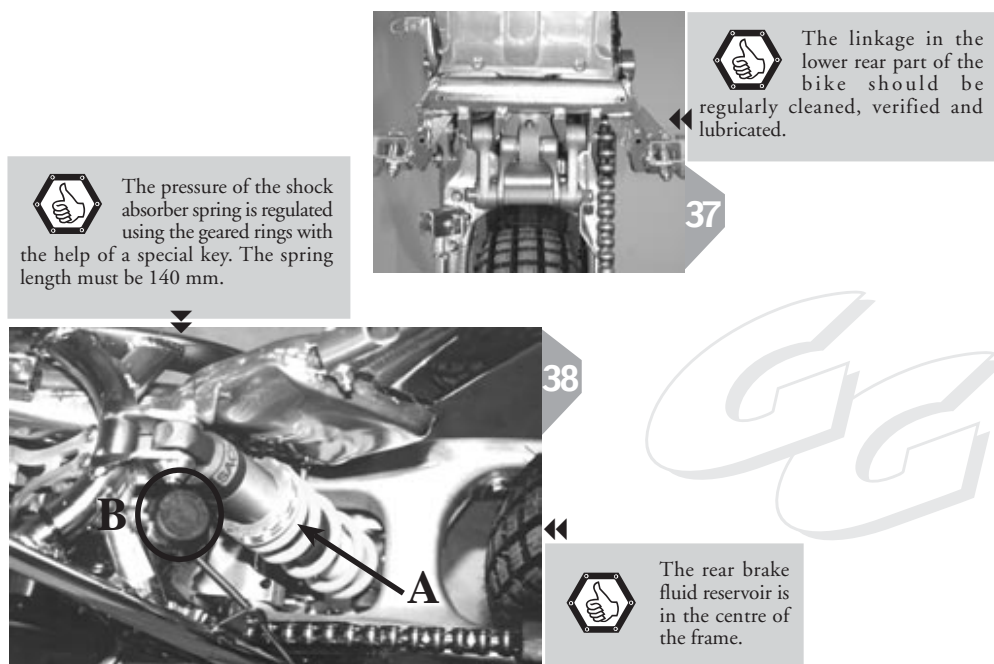
The front suspension stopper must not reach higher than 9.5 mm above the upper platen. If your motorcycle features a short bar, this distance should be 0 mm.



36



It is important to dismantle and verify regularly the state of the swing arm and rear suspension bearings and seals.





The brake pads wear must be periodically checked both at the front and at the rear for the best braking in any circumstance.



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The brake fluid level may be checked through the window in the brake fluid reservoir.



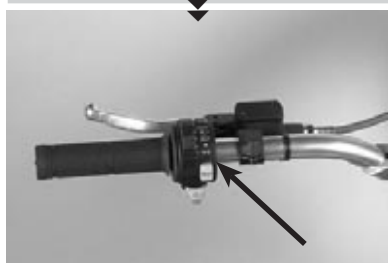
41



Air can be bled from the front and rear brakes by using the bleed nipples located on the calipers.



The commands feature light, horn and engine stop switches.



42



If you adjust the rear brake pedal position, check that the rear brake light switch is working.



44



Regularly control the tyre pressure to ensure the greatest possible grip.



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Front wheel pressure
0,450 bar - normal
0,420 bar - competition

Rear wheel pressure
0,350 bar - normal
0,300 bar - competition

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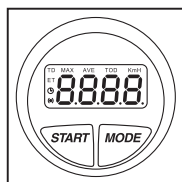


The fuel tank filler cap is a quick release model. It is advisable to check the state of the rubber seal in order to ensure that it is closing properly.



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Clock operating instructions



Functions	●	Work mode. It can be activated (ON) or deactivated (OFF)
	⌚	Clock. It Indicates hour and minutes.
ET		Elapsed time. It shows the time passed since the last activation of the work mode.
TD		Trip distance. It indicates the distance covered since the last activation of the work mode.
MAX		Maximum speed obtained during the work mode.
AVE		Average speed obtained during the work mode.
TOD		Total distance covered since the clock was turned on for the first time.

Note: In order to select any of the functions the motorbike must be steady for about ten seconds. One minute after selecting a function, the screen will turn off automatically. It will be activated again by pressing the MODE button or moving the bike.

Work mode

We select this option using the MODE button. By pressing START we switch from ON to OFF and viceversa. When it is on, the screen displays the ● symbol and data are gathered to calculate the information displayed on screen in the Elapsed Time, Trip Distance, Max Speed and Average Speed functions. When OFF is selected, it stops capturing data and calculating, but the values are not lost and may be visualised at any time by selecting the corresponding function. The values will be automatically reset by reactivating the Work mode (ON).

Elapsed time

The Elapsed Time function displays the time passed since the last time the work mode was activated. Initially it displays minutes and seconds. After an hour, it shows hours and minutes.

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Max speed

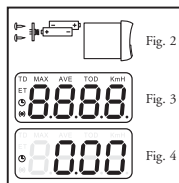
It displays the maximum speed achieved from the moment the work mode was activated.

Average speed

It shows the average speed achieved since the start of the work mode.

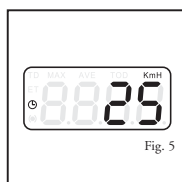
Total distance

It visualises the total distance since the moment the equipment was turned on for the first time. The value accumulated is maintained permanently, even without batteries, and is independent of the condition of the work mode.



Battery replacement

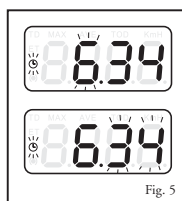
- To replace the batteries, remove the battery compartment cover by unscrewing the two screws on the back of the multi-function.
- Replace the old batteries by new ones keeping the polarity as indicated in the picture. Screw on the cover again. (Fig. 2)
- If the batteries have been replaced correctly, all the signs on the screen will be shown momentarily (Fig. 3). After some seconds the clock symbol will appear and the numbers will be reset to zero (Pic.4), disappearing after ten seconds (Fig. 4).



Current speed

When the motorbike moves the screen will automatically display the speed in km/h. While the motorbike is in movement, the current speed will be on display (Fig. 5). After stopping the bike, the screen will remain on for about ten seconds indicating 0 km/h. After this time, if it does not move again, the screen will show the last function selected. One minute later it will turn off automatically if no other function has been selected or it has remained unmoved.

While this function is visualised, no other function can be selected.



Setting the time

Press the MODE button until the clock symbol appears. Press START and the minutes and the clock symbol will flash, indicating that you are in the time setting mode (Fig.6).

Briefly pressing the START button will advance the minutes. By keeping it pressed, the advance will be automatic, and will stop when the button is released. Pressing MODE again will change the hour digits, using the same procedure. Once the correct values have been selected, press MODE again to set those values. The figures will stop flashing.



Warranty regulations

Manufacturer's warranty

The Company GAS GAS Motos S.A. hereby warrants to the final purchaser of a vehicle manufactured by GG that both materials and workmanship are free from defects according to the corresponding state of the art. Accordingly, GG hereby warrants to the final purchaser (hereinafter referred to as the "purchaser"), subject to the conditions stated below, to remove any defects in material or production detected in a new motorcycle free of charge within the agreed period of warranty without any limitation whatsoever in terms of the number of kilometres travelled or the number of operating hours.

Period of warranty

The period of warranty shall commence on the day of delivery of the vehicle by a licensed GG dealer to the purchaser, or in the case of demonstration models, on the date on which the vehicle is put into operation for the first time.

The length of the warranty period depends on the type of vehicle and is stated in the document of delivery.

Any defects detected in the product shall be brought to the attention of a licensed GG dealer within the warranty period. If the last day of the warranty period is a Sunday or public holiday, the warranty period shall be extended in such a way that the last day of the warranty period is the next working day following the respective Sunday or public holiday. Warranty claims shall be excluded for any defects not brought to the attention of a licensed GG dealer by the end of the warranty period.

obligation of the purchaser

GG shall be entitled to refuse to accept warranty claims if and to the extent that:

- a) the purchaser has failed to subject the vehicle to any of the inspections and/or maintenance work prescribed in the operating manual or has exceeded the date stated for such inspections or maintenance work, also excluding from the warranty defects that appeared before the prescribed date of such inspection or maintenance work performed not at all or performed only after the prescribed date;
- b) inspection, maintenance work and repair work on the vehicle has been performed by a party neither recognized nor licensed by GG;
- c) any maintenance or repair work has been performed on the vehicle in violation of the technical requirements, specifications and instructions indicated by the manufacturer;

- d) spare parts not released for use by GG have been used to perform maintenance or repair work on the vehicle, or if and to the extent that the vehicle has been operated using other fuels, lubricants or operating fluids (including but not limited to cleaning agents) than those expressly stated in the specifications in the operating manual;
- e) the vehicle has been altered or modified in any way or equipped with other components than those expressly released by GG as admissible vehicle components;
- f) the vehicle has been stored or transported in a way that does not meet the corresponding technical requirements;
- g) the vehicle has been used for competitions, races or attempts at any record whatsoever.

Exclusion from warranty

The following items shall be excluded from warranty:

- a) wear and tear parts including, without limitation, sparks plugs, batteries, fuel filters, oil filter elements, driving chains, engine sprockets, rear sprockets, air filters, brake discs, brake pads, clutch discs, lamps, fuses, carbon brushes, footrest rubbers, tires, tubes, cables and other rubber components;
- b) lubricants (e.g. oil, grease, etc.) and operating fluids (e.g. battery fluid, cooling liquid, etc.);
- c) inspection, adjusting and other periodical maintenance work as well as all kinds of cleaning work;
- d) damage to paint work and corrosion thereof due to external influences such as stones, salt, industrial exhaust gases and other environmental impacts or inadequate cleaning with inadequate products;
- e) any consequential harms caused by defects as well as incidental expenses directly or indirectly related to defects (e.g. telecommunication charges, cost of board and lodging, cost of rental cars, public transport charges, cost of salvage and towing, overnight expenses, etc.) as well as other financial disadvantages (e.g. caused by loss of use of a motor vehicle, loss of earnings, loss of time, etc.);
- f) any aesthetic or acoustic phenomena that does not significantly affect the serviceable condition of the motorcycle (e.g. hidden or minor blemishes, normal operating noise or vibrations);
- g) phenomena due to the aging of the vehicle (e.g. fading of painted or metal-coated surfaces).



Miscellaneous

1. GG shall be entitled to decide in its sole discretion whether to repair or to replace defective parts. The ownership of parts replaced, if any, shall pass to GG, free of any consideration whatsoever. The licensed GG dealer entrusted with the removal of defects shall not be authorized to issue binding declarations on behalf of

2. In cases of doubt regarding the existence of a defect or if a visual inspection or material testing is required, GG shall be entitled to demand submission of the parts for which warranty claims are put forward or to order an examination of the defect by a GG expert. Any additional warranty obligations for parts replaced free of charge or for any service performed free of charge under the present warranty shall be excluded. The warranty components replaced within the warranty period shall end at the date of expiry of the warranty period agreed for the respective product.

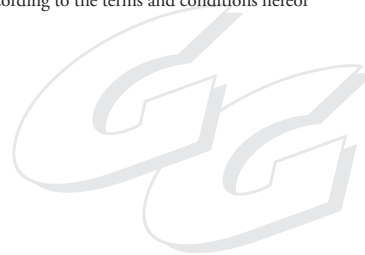
3. If it turns out that any defect cannot be removed, the warranty shall be entitled to demand termination of the contract (payment of a compensation) or partial reimbursement for the purchasing price (discount) instead of repair of the motorcycle.

The warranty shall in no case be entitled to receive a new motorcycle as a substitute for the defective product.

4. The warranty claims of the purchaser under the contract of purchase and sale concluded with the respective licensed dealer shall not be affected by the present warranty. Neither shall the present warranty affect any additional contractual rights of the purchaser under the General Business Conditions of the licensed dealer. However, such additional rights can only be claimed against the licensed dealer.

5. If the purchaser resells the product within the warranty period, the terms and conditions of the present warranty shall continue to exist in their present scope, the right to put forward claims under the present warranty according to the terms and conditions hereof will be passed on to the new owner of the motorcycle.

November 2002



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JULIO / JULY 2003

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