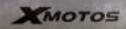


ENGINE DISPLACEMENT

110 125

OWNER'S MANUAL





# Owner's Manual

This manual should be considered a permanent part of the motorcycle and should named if it is resold.

This musual contains the latest product information available before printing. Kooknoher reserves the right to make changes at any time without notice and without incurring any obligation.

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1 1

## LIMITED WARRANTY

WHAT IS COVERED. Knoloutur, apriloss that this product is free of defects in material and workmanship for a penied of it movels have the data of purchase, recipit as limited below. Warranty service and explainment parts are warranted only for the discrete of the warrants on the original product. The warranty coverage is for the following:

- in larger and drive train it bleems
- Frent properties I Months
   Real expension A Months
   Frent and swing-arm 1 Year

WHAT IS NOT COVERED. This were asky does not cover any conditions caused by release, registers, and ignored were, alterated as similar depreciation in any way contrary to the operating inviruations in the memor's nainces, control were, alterated, escaled appropriate in earliest or resolution, uppeaper or inadequate maintenance, use of usual basis long-tended parts, or some provided by any new parts when an authorized baselos environ context and/or dealer. The earliest by deep national context transport to any product than her been condition national account of the parts of the variety of Voided with respect to any product than her been condition national account residence or that customer the fallowing demage.

- Read or broken harms or using any oberts whose:
   Best or broken where or using any oberts who to show:
   Best or broken plants abroads due to about
   Rey light of impact, accident, apin-auto or not over not concert by the condition for which the warrante converge is longiful.

TO GET SERVICE: Contact your repared Brootal service senter and/or deplet. The cost of transportation of the posted to and from the service center end/or dealer must be paid by the owner.

Kinetos chilipation under this wantants is savietly and exclusively limited to the report or replacement of deficitive parts and filtration date not assume or authorize anyone to essume for their any other philipeton. No service center analyse dealer is authorized to modify this warrants.

All implied warreniles are limited in duration to the stated warranty period, and are hereby expressly sitial sinusism. their entirety after the expiration of the stated 6 month warranty period.

## IMPORTANT

1 1

PLEASE READ THIS MANUAL CAREFULLY AND COMPLETELYBEFORE GOING ON YOUR FIRST RIDE. IT CONTAINS A GREAT DEAL OF INFORMATION AND ADVICE WHICH WILL HELP YOU USE AND HANDLE YOURBIKE PROPERLY.

Please write the serial numbers of your metorcycle in the bases below

Chassis (VIN) Number	
Engine Number	
Key Number (Favories)	
Dealer Stamp	- 1

# CONSUMER INFORMATION FOR UNITED STATES

Tempering with noise & entissions control systems is prohibited

Owners are warned that the law prohibits:

- A. The removal or readering inoperative by any pursue other than for purposes of mannermose, repair or regimentment, any device or relement of dauge investment has one or relement of the service for the person of manuscratch of the person of noise audite emissions control pour to its sale or delivery to the altimate purchaser or while it is to use; and
- The see of the vehicle after such device or element of design has been removed or randomle importalise by may person.

Rostuncher teterms the right to modify any optionment, motivated specifications, entirely, materials, servince offered and rendered, and the like us as in step than in local conditions without provide amountment and obtained grints pressure, or to material any of the above integration into entirely materials and other to state of the acceptable to make without materials are not to the second of the control o

(1)

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# IMPORTANT SAFETY INFORMATION



r personal saffey, and the safety of these around you, is extremely important. Operating this maturetycle rafely is an important suspensibility. Kooleachet has provided operating procedures and other information on labels and in this manual to help you make informed decisions about safety. This information will alors you to potential humanle that could have you or others.

It is understood that it is not practical or passible to want you about all possible baseds associated with operating and mulaturining a motorcycle. You must see your own good judgment,

Safety information will come to a variety of different forms, including

- Safety Labels on the Motorcycle.
- ♦ Safety Messages preceded by a safety symbol ▲ and one of those signal words:

Below are the definitions of these three worth:

DANGER NOW WILL BY KILLED OF STREET, POLICED IF you do not believe to the closer.



WARNING YOU CAN IN KILLED OF SERIOUSLY BUILDED IF you do not delive to truth line.

CAUTION TO CAN be INCREED If you do not follow monators

- Safety Headings such as important safety reminders and/or precautions.
- Safety Section such as nanorcycle safety.
- Instructions how to use the motorcycle safely and connectly.

This entire menual is filled with important sofety information - please read it carefully





### INTRODUCTION

Congratulations on abousing your Xweetes motomyclo

Your Xinaton rectorrycle was designed as a recreational recoveryde for off read our only by a sengle rider. This motorcycle is also for riders with being experience

Before riding, take pleany of time to get acquiring with your moneyele and how it works. To protect your invogrants, we tage you to keep your restorcycle will maintained by addition to regular maintenance, it is just as important to observe and perform all pre-rids and persodic observed statistics in this reserval. We also recommend that you read this manual before you begin riding. In this manual you will find solety information, facts, instructions, halpful trps and illustrations. To make it carry to use, the manual contains a table of contexts at the begressing of the transit.

As you read through this manual, you will find information that is preceded by a EDERGE This information is intended to kelp you avoid durings to your notorcycle and/or property around you. This marked an erabasic resistances procedures. A detailed parts diagram mortand in available and it can be purchased separately from Xmoons. The parts manual will be helpful to from wife the exchanged shifts and tools required to service their ewp. nietorcycle.

Whenever you ride, total lightly. By staying on entablished trails and riding in approved areas, you will help protect the envisonment and hosp off-road raking arms open for future one

If you have any questions of you need any special service or repair, remember that your Xenoton dealer knows your mostocycle best and will be dedicated to your complete satisfaction. Replacement parts and technical support can be obtained through your Xrautos dealer, Please be nare to register year matericycle with Xrackus and report any address charges so that we may contact you in the future concerning important product information.

You can also visit our website at wron amotios corn.



## IMPORTANT SAFETY INFORMATION

A motorcycle out provide entry years of service and pleasure, provided you take compared bility for safety, copyle and understand the distinger you may organise while riding. Listed below are some of the most important safety pressures one should take when riding.

The following states a Halland, The following statement to a previou fact. "Helmets significantly reduce the m and arrority of band injuries." Never ride your moneyold without a bulgast. From a crest at allow speed can result in a fatal head injury of you are not wearing a ladract. Xmotos strongly recommends weering behacts that have been cortified for selety by belenct scaling organizations that are independent from the belief manufactural. We also recommend that you wear eye protection, boots, givens, and other protective goer such as riding puris-

A Walliand Planetage. This removes/cir has been designed for ONE rider only. These are no passenger egs, fromous, handles or sent room for a passenger. Richag with a possenger con interfere with your ability in operate and/or control the motorcycle and may make in nations injury in death

A MANAGED Daily. This accompass has been designed and numeric rated for off-read use only. The yeld in not equipped with highes, turn signals, horn and other features cognized to drive a metoexyeld on public roads. The titus are not designed for promote and with make the mesoralysis annable of it is nation on payernary. If you have to cross a passed road, dismonst and walk the nestoretick across the road.

A WARREST COLD Little. Never offerspt to ride your motorcycle in a reposer that is beyond your skill level. taken time to laura stilling skills. Learn to ride your autorcycle step by step. Start by practicing in safe array at slow speeds and gradually build your skill level. four extens iron an experienced releval is highly movemended. Remarater that alcohol, drug was, farigue and ignorance can reduce your shifty to make good decisions and ride safely.

A MANAGEM source. The version or road its which you ride can prount stury hazards. Always "scen" the or road shead of you continuelly. Watch for un-expected turns, drop-offs, disches, rocks and other hazords. Always maintain a speed slow enough to allow you rough time to see and must be beautic.

A DAMEST and Ride. Even one drink can impair your whiley to side a motorcycle infoly. Each shock afterward will make the imprement warse. Do not drink and tide. Do not let your friend's druk and ride. Remember, in most states throughout the United States, you can be arrected and charged with Directing Under the influence (DUI) of you are riding a motorcycle while invasional. This applies to off-read motorcycles as

# IMPORTANT SAFETY INFORMATION FOR PARENTS



for a parate, your child's valing in your first picture. Rating on oil and moistacycle in very fan. He waver, past like raking a buye le, bud decisions our model in uppy. As a parate, you can greatly prevent actually by making informed decisions about it, when and law your child will take, About suprevent your orbit when he are is riding.

Hefere you allow your chiefe to ride, you need to decide if booke is expelle of riding. Hefurg restitions and very interestionally from one person to studies of our and one are one heing the only factors that help decomes one you should also consider before deciding if your chief is wordy to mile.

First, consister the physical ability of your child. Enters must be able to hald the numercycle up, get on, and an confinentity with hints feet on the gooden. The rider must also be able to much gift of the controls on the handlebare and week the besides and chards. Second, consider your child's artifette ability. Your child should be good at tiding a beyork before riding a control processor of your child one judge speeds and distincts white riding a beyork and must wish the proper land and four actions. Any person who does not have good conditions, between, between, and against the ride rid ride insurency.

Finally, determine your cloth's level of mental maturity, it is imported on that you are beneal with yourself which you are beneal the fallowing speculions. Does your child think through problems and come to logical conclusions? Does your child shoy your rules when they rule their belyink? If your child makes bud judgment, takes on warranted rules and or does not aboy your rules, they discald not rule due to account of the contractive that the contractive the contractive the contractive that the

If you have decided that your whild is mady to ride, plants concentre the following points and name be your child ride without a behant. It is up to you (parter) to enter your child's rafety, even if they learn to ride from another coperisoned adult. Navor posts your whild to by theres faster than they are will engure capable. Altways supervise your obtifd when they are riding and registerly occanal thous about safety rades. As a passes it is your expendibility to be sure that the restorcycle is properly trainplated and hope in safe appropriating condition.

Modifying the notoxycle or using para not essential and by Xmetox can make your resourcele unsafe. Before you consider making any modifications or adding to accessory, please read the following information casofully.

A collection provides an enablifications can exerce a crack in which you can be seriously hart or killed.

Follow all instructions in this owner's manual reporting and accuration.

Next the strongly concrements that you do not remove any original engagement or modify your restorcycle in any way that may after the design and/or operation. Such a charge could charactely impair the stability, harding, acculatation, and beaking acquisition of the authoritycle and cause a study. We also strongly suggest that you do not make any modifications to the authority system, none central system of establish tentral components.

## COMPONENT LOCATIONS

{ + }



When you make a metomorphic off-road, you used to be able to operate the should, chack, braker, and other controls without exopping to leak at them. Please read this action carefully before you ride your metomorphic. This section of the manual will show the location and operation of all the basic control of your materialysis.



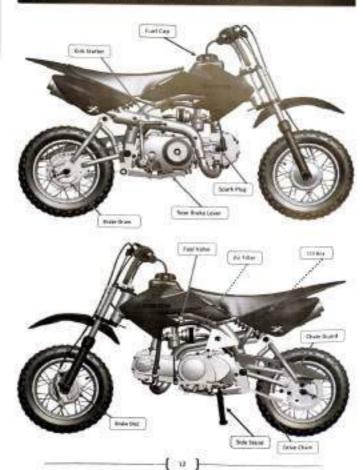
## SAFETY LABEL INFORMATION

This page will allow you where we find the salety labels are poor appropriate. You will find that menor labels warm poor of potential hazards. Others will provide important active and measurement to formation Please resulting and which and do not recover them. If your label weeks of fines taking an bocarries had to read, youthat your Xinotes doubt for a replacement.



( = )-

# COMPONENT LOCATIONS(OFF (BDAD)





# SERIAL NUMBER LOCATIONS

### VIN - Chassis Number

The VIN number is located in one of three places on the

- Right Size of frame
- Left side of home.
  - Steering houd tube.

Write this number in the VIN less on page 5.



### Engine Model & Serial Number

The angine model number and senal number is stamped on the left side of the engine under the countershaft. aprocket.

Write this number is the Engine Number box on page 5.



## HANDLEBAR LEVER CONTROLS

## Hand Brake Lever& Throttle

The hand broke level @and throttle@is incunted on the right side of the handleb

{ = }



## OFERATING CONTROLS(OFF BOAD)

The chap switch (a) turns off the origins. When the button. is pressed, the ignition closely is turned all. The ran switch Oleta power gotto the electrical system.

had hill Cap



to Open Turnthe cop @ counter-clockwise: To Close: Jum the cop cockwise, make sure the breather tube (1) in the land.



### Faul Top

OFF - in this position, the function is nimed. No fuel can those to the carbunator

gik. In this position, the fuel too mopes. This means fael part flow to the curturator, With the lever in this. goldiers, the tark will be emptied.



### Choke Laver

When suiting the choke lever @ fully toward the top. a When justing the choice levers "Laty toward the topol, a splinder in the meturation is demind. Through this cylinder has cognic can take in additional heal. This results in a rich had and an minion, which is needed for a cold start. When parking down is the chock lever, the cylinder is closed. apaint.



[ 14 ]-



# **OPERATING CONTROLS**

## Shaft Lever

The shift lever os so the left side of the engine. The gran in the illustration on page 26.



## Poet Brake Laver

The brake lever (a) is located on the right side of the engine, its basic o eration is to apply the rear brake to low or stap the motorcycle.



## Kick Wart Lever

The tick start lever this recented on the right side of the singles. It is used to that the origins in case the electrical starter system is non-fluidianal.



## Side Stand

Push the side standard to the ground and bit the motorcycle to the left. Make said the bike trips sold ground and the position is secure

## BEFORE RIDING



Before you ride, you ment be absolutely sure that you and your motorcycle are ready to ride. To help you get prepared, this section of the manual will discuss flow to evaluate your ricing restiness and have to perform our incommended are side inspection of your molecnycle. If you are a parent, alcose be sure you have read the social "Expertant Safety Information for Facests" on page 5.

## Are You Ready to Ride?

Sefore you ride your matureyste for the first tone, we strongly recommend the following:

- Completely read this estenue.
- 2. Do note you have read and understand all the safety messages and labels.
- 3. You know have to operate all of the motorcycle's controls.

## Before each ride, we strongly recommend that you.

- 1. Are in good physical and regress condition
- Are ther of alcohol and other drugs
- Are wearing an approved metalitiscle helesat with a tight chin strap, eya protection and other protective clothing.

## PROTECTIVE GEAR & APPAREL

For your safety, we strongly recommand that you always wear an approved helmer, eye protection, boots, gloves, long pants and a long sleeved jamey, shirt or jacket wherever you ride. Although complete protection is not possible, wearing the proper goal can reduce the chance of and severity of injuries when you ride.

Helmets & Eye Protection - Your helmet is your most important cases of riding pour because it offers the best protection against head injuries. A good halmet will be approved by a testing organization independent of the helmet manufacturar and will have a claim strap that can be agreemed security. Open-lace helmets offer some protection, but a full-lace halmet offers the most protection. When a wild sing a rediner, regardless of style, look for DOT (Department of Transportation) sticker (USA enly). If the trainer has been twided by an independent organisation such as the Snall Institute, you will usually find their logic on a tag inside the padding of the heimet.

Additional Riding Gear - In addition to your helmet and eye protection, we also recommend

- 1. Stundy off road motorcycle boots to help pretect your feet, unkles and lower legs.
- 2. Good quality motorcycle gloves to protect your hands.
- 3. Making panels with knee and hip pads, a riding jersey with elbow pads and a chest/shoulder protector

NOT WEARING A HICART SCREAMS THE CHIR OF SERVICE SHURN OR DEATH IN A CHIRCH SE THE YOU NEWN'TS WEAR YOUR HEART ARE OTHER PROTECTIVE APPAREL WHEN YOU WISE

( 15 )

[ 15 ]



# IS THE MUTURCYCLE BEADY TO RIDE?

Before each and every tide you take, it is extremely important that you import the matological and make on any problems you find are connected. A pre-side inspection is a result because off-road reling parties very leagh or a metarcycle and you do not want to have a breakdown for from tells

# A WARNING

convert and problems.

## A NOTICE TO PARENTS

It is pourigner; will be performing only of the following, you note inspection prevailable. It is your responsibility to provide special agreements and halve park they are performed safety.

# ME-RIDE INSPECTION

Check the following items before you get on the motorcycle

Time - Use a time processing gauge to check the air pressure. Inflato or deflate as needed. Also check for tigns of stamage or excessive west

Spokes & Name - Make were all of the spokes are sight, impact the rins to be sure it is not bent.

Leaks - Look under the motorcycle for eigns of leaking fluids such as origine oil or passifine.

Engine Oil - Check the level of angine oil and add if needed, for better performance, Avestos recommends using 22W40 or 10W50 ONLY for off road rising

Ruel - Check the level of fuel in the pay tank. Add if meeded, he sure the pay cap is tightered securitie.

Drive Chain - Inspect the drive chair condition and black. Adjust and lubricate if needed. Also check the shain guide(s) and roller(s) for wear and replace If and when it is worn. For detailed instructions on drive their stack adjustment, see the Servicing section of this manual.

Brake House - Inquest the brake house for leaks and neclacy if needed

Name & Bolto - inspect all accessible nots and bolts. Tighten then if it is needed.

Sourt Plug & Cap - Check the spark plug for looscenest. Tighter, if needed, lie ware the cap is purhed on the spark paug and it is tight properly

Chuck the following items after you get on the metarcycle:

Through - Check the through free-play and adjust if needed. Rotate the through to be sure it moves easily and freely. Make sure that it sneps back to its closed position automatically when you release it in all steering pesitions.

Brakes - Step on the rear brake lever and squeeze the Front brake lever to be care the latakes are working properly.

Sementoer, he save to take care of any problems you find or have your Xmotos dealer correct it bufors you

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## BASIC OPERATION & RIDING

## STARTING & STOPPING THE ENGINE

Always follow the proper starting procedure as described believ.

## STARTING PROCEDURE (ELECTRIC START)

## Starting When the Engine is Cold

- Turn the key switch to the "DM" position.
   Make sure the transmission is in the neutral position.
- Turn the firel tap to the "DN" position.
- Lift the choke lever up.

  Provi and hold the brake lever on the right side of the handle ber.
- Open the Ibratile so more than 1/4 of the way.
  Press the start "yellow" button until the engine starts.
- Release the button as upon as the engine starts.
   After about 1 minute after the engine starts, push the shoke lever slown
- 10. Wart and the engine warms up for approximately 5 minutes. After the 5 minute warm up, you are ready to go

# Starting When the Engine Is Worm

E. Repeat ineps 1, 2, 4, 5, 4, 7, and 8 in section "Starting when the engine is cold".

## STARTING PROCEDURE INCK STARTS

# Starting When the Engine is Cold

- Turn the key switch to the "DM" position. 1
- Make sure the transmission is in the neutral position. Turn the fact top to the "DN" position.
- LPT the choke lever up.
- Press and hold the broke lever on the right side of the handle bar.
- Open the throttle no more than 1/4 of the way.

  Open the lock start lines and from the top of the kick starter stroke, lick through to the bottom with a rapid continuous reation.

  After about 1 minute after the engine starts, push the choice lower down (LC - 25).
- Must until the origine warres up for approximately 5 remutes. After the 5 minute warre up, you are ready to go.

# Starting When the Engine is Worm

Respect steps 3, 3, 8, 6, 6, 7, and 8 in section "Starting when the engine is sold".

## BASIC OPERATION & RIDING



This section of the manual gives basic information on how to bagin more, used mixture/de, in this The section of the to start and dog the engine, how to use the threttle and busines, how to use the cloth and did gare, and things you need to do when you are busined tiding.

### Break in Period

The first 600 km (500 miles) is the most important to the life of ener motorcycle. Proper specialise during sis break it perced sell/out magic resemblar life and per following prodottes asplain proper breakin procedures.

## Masterom Engine Speed Recommendation

dwy the equilibration angine speed reconnectation during the breat-in partial.

evisual 000 kom (1600 MW/ES)	Relate 3000 rpts
Op to 3400 KW (0000 W433)	Bellow \$580 rpm
Over 1800 894 (1800 SELEN	Balay (600 rp+

## Vary the Engine Speed

one append sharing the break-in period. This allows the parts to "hole" looking the making proposal aretime "assead" (a lowing the same to most). Withough it is executed to observe these on the aregins (are powers during brown, you must be careful not to load the aregins too much

## SAFE RIDE PRECAUTIONS

Define rising this matercycle, be bare you have read this orders manual up to this point including the section taked Deportant Safety Information (Pg. 7-0)& Before Biding(ag 36)

Earn if you have raiden other motorcycles in the eart, take time to get familiar with the way the restorcycle works and hunder. Always practics in a suferant until you have built your skill level to a point at which it is safe to ride.

# A CAUTION ...

For your spirits, would starting or speciating the molecular sale conclused with such given restitution, such as a garage. The moneyment is about at an interface polacousty commenced which the other reports in an endoused with the other or shade, an endoused with the other or shade.

### A Wanning

po hot ride your metorspile at eight it is not eas sport with lights.

## BASIC OPERATION & RIDING



## FLOODED ENGINE

If the engine felt to start after repeated attempts, it may be flooded with excess fast. Follow the staps below to clear a flooded engine.

- 1. Prett the engine stag tweet
- Open the fivotale completely
- 2. Kick start the engine several time. (Kick Start)
- If necessary remove the spark plug and far it dry
   Once the angine starts, open the throatle is far a few times.

## STOPPING THEENGINE

To stop the angine, shift into neutral and push the engine stop switch 🔕 on the left side of the hande bar.



## A CAUTION

DO NOT ride your monorcycle with fish load and DO NOT Yet up the empire when cold. Disco the patent warms up and eligonic father than the scales soulind cylinder, this might come emptor damage. Allabys for the empire die until epithi on ride it warm at her BFM spread.

# A CAUTION

New prior jobisty, award starting as cape-using the motorcyclis in an environment with good some laters, work as a garage. The motorcycle's serious against policionous carbonic monoscopic serious graphics contains policionous carbonic monoscopic action of policies are environd area and result in illness or death.



This motorcycle has fear (4) ferward gears

To start rising, ofter the engine has been wurned up and the

- 1. Close the throttle
- Raise the shift lever form restratup to link gear. Once the transmission dides into goer, the shift lover will return back.
- to the neutral "M" position once you remove your foot. Stowly and gradually open the throttle. When you feel the clutch begin to grab and the motorcycle starts to case forward. phy have reached the "friction serie" of the ciutch. Gradually open the throttle more as the motorcycle moves farward.
- 4. When you also mederate speed, close the thruttle and raise the shift lever until it clicks into second gest. After shifting, re-specifie throttle.
- To continue shifting up to each higher goer, repeat step 4.
- To shift down to a lower goar, close the throttle depress the shift lever until you feel it click into goar. After shifting, no apply the threetle smoothly.

## A NOTICE

Learning when to shift gears will come with riding experience. Up-shift into a higher gast when you have the engine speed (rom) get too high. When the engine rom gots too high in a goir, you will feel the motorcycle stop accelerating. This is enother way to know when to up sixel.

Downshift to a lower gear when you feel the engine higging at a low rans. Downshifting is usually done when you dow down for a furnice when you stop the motorcycle. Conveniting who a lower goor can help your down your motorcycle, especially when going dynes-hill, ricewest, down shifting when the engine rom is too high can cause angine damage

The neutral position of the transmission is located between the first and second goar positions. To shift into natural, pull the clustifilewor in and depress the shift lever as many times as needed to get into first gear. Once you are in first gear, gull up on the shift buen is the distance required to up-shift into second gear. You can also shift into reutral from second goar by depressing the shift lover it the distance required to downshift into first goer.

To prevere transmission damage, do not count or tow the motorcycle for long distances with engine of t.

ment to start the angles in gase. Och we's cresh that could result in solice

( n )

# MAINTAINING YOUR XMOTOS MOTORCYCLE

Keeping your motorcycle in perfect operating condition is obsolutely essential to your safety. It is also the hest way to protect your investment, get manierare performance, avoid broakdowns, and have more fan To help keep your metersize le well maintained, this section teclaries a maintanance schedule for required ring and stay-by-stay lastructions on how to perfirm specific realistenance tasks. In this section yet will also find important safety productions, information on et is, and tips for keeping your Xmotos motorcycle looking good.

Careful pre-ride inspections and good maintenance are invaliable. To help you properly care for your metercycle, this sertion provides you with a maintenance schedule. The service intervals in this section are based on average riding conditions. More frequent service is provide if you subject your metercycle to severy use, such as competitions, or ride in unusually wer and dusty areas. Program checks of the sir cleaner are very important to help you avoid engine damage.

Remember, proper traintenance in the responsibility of the owner. He ware to impact your minincycle before each ride and follow the maintenance schodule in this section.

## A WARNING

risproperty transtaming the matercycle or failing to correct a problem before your discan cause in crack in which end can be remounted injuried or follow. Always follow the injury law and mandenance recommendations and labed, for in this manage,

## A NOTICE TO PARENTS

its a passes, it is up to you to make suce the moduraçõe is properly maintained and logic to safe operating condition. For proving less than the province of the entire passes of a moderaçõe and perform that to maintain and to entire passes of their raising representations. However, if you drive a youngster to perform an asset or any maintainance tooks, but as fitting the fault took with generics, was need to provide close layer points and make sure the tank a performant safety.

ue la jumpe le l'élère merespesse instruction and grensations fair cause you to be serticule faut or killed. Alexan nu l'he principluses and procustions in this manual.

## IMPORTANT SAFETY PRECAUTIONS

Make sure the engine is off before you begin any maintenence or repairs. This will help eliminate the following harands.

- Corbon Monoxide Polissing From Engine Eshaust Se sure you have adequate vertilation who reven you append the engine.

  I. Burns from Hot Matercycle Parts - Let the engine and exhaust systems cool off terfore you touch them.
- tojury From Moving Parts Do not run the engine unless instructed to do us.

Road all instructions before you begin a procedure. Make sure you have all of the tools and skills required. To help present the motorcycle from fulling over, park it on a firm, level surface, using the side stand or a assemblance stand to provide support. To retain the chance of a fee or explosion, be careful when working account generate. One only a non-flammable (high flash points solven) such as kernene to close parts. Keep eigereties, sporks, and fluxus away from all fuel selated parts.

### BRAKING TECHNIQUE



This section will cover bean broking recharges for your mannerpole. To now or skip the man noo and hold the classifi hour and apply the from brake laser and rear trake point (lendy and second). If your speed is reduced a significant assume, you may used to diversibilit to a lower gase. Granually my record to a lower gase from the food down tion, than the right book. Do this so that your broke podal from remains on the brake complete stop. To prevent the engine from stalling, always pull and hold the chiefs have when stoneing to a complete skip axhou you are in neutral.

For maximum broking, clear the thritter and firmly apply both the from and our broke. On a notangule, For transferred watcomes for 1970-of the soul stopping power of the naturetycle. The rear basis only accounts for 1970-of the sould stopping power of the naturetycle. The rear basis only accounts the 1970-. This is because of the weight transfer that counts when you agely the basis. When you must stop quickly, you must our fee front brake regulars with the real brake

Remorber that you can apply more brake to the front rebuil than you can to the your wheel before it may lack up and come a skill. Finding the proper balance between the account of first and year brake pressure. you use will come with experience. Accompang an abrapt may with only the new brake will likely many a 44

Applying the brakes for hard or too fast can cause the wheels to book and more a stell, telluring your control of the entiricipals. If the happens, whose the freez controls and story strought about and you regain occurs. of the motorcycle. Once you have control, reapply the insker with less face:

Generally, reduce your speed and complete your braking before you begin a turn. A read braking or closing the facetic quickly while rayrang. Either of these actions may cause one or both of the wheels to Gig. Any wheel slip will enduce your control over the metercycle and could cause a crush

When reding in wet or rainy conditions, or on loose surfaces such as read or said, your ability to numerous and stop the aconstycle will be reduced. All of your actors should be done in a smooth and smody region under freez conditions. Rapid in coloration, braking, or turning can counc you to lose control of the moneyele. For your sefety, exercise extense matter when rating under wet, rainy, and/or models conditions.

When descending a long, visup grade, we engine conjugation braking by devealabling with impressions use. of both brakes.

## PARKING & POST RIDE INSPECTION

the sole stand, to support year motorcycle. Press and hold the real step rowish on the left side of the fundle har until your argine stops. If you no through mixing for the day, turn the fact valve to the "OFO" position. Always park the maternycle on a flat level nurface. If you will be passing the transacycle for a long period of time, turn the fact valve to the "OFF" position while the engine is still currents. Open and close the threate repeatedly satisface engine cope receing on to own. Do this to one up any fact that still remains in the earbareter. This will help you avoid earbareter problems that our secur when your materiyete is sweed the leng periods of three with passible left in the perbuttor.

12

To keep your metasoyals safe and reliable when you edg, regular imagestions and service to required Below you will find a reasonness solvehile that describes when components need to be impected or lood. The restandance schedule lists inter that our be performed with hung regchanced skills and bend tools. In addition, the maintaneage schedule will list items that travelve except outeracter procedures and or require special training, tools and or equipment.

MAINTENANCE SCHEDULE

Decision this motorcycle does not have an oduntates, service intervals to the maintenance selection are expressed in terms of enting days. To avoid raissing required resinternance, we suggest that you develop a good way to record the amount of time you approximating your restorable. If you do not feel supable of partisening any of the precedures described in this manual or if you need assistance, please contact you marced Xelestos dealer. If you decide to do your own real attrance, use only general explanement parts that you have purchased flore as Xenetal dealer or parts perchased dealerly from Xenetas. This will among the best quality and reliability for your motorcycle

rays perform the pie-ride impaction described on page 24 at each scheduled maintenance interval.

Each. Hern on the malestmence schedule requires some mechanical knowledge. You will find that some iterax in the table (marked \* and \*\*) may require a higher fevel of mechanical skell and special trois. If you do not feel capable of perferring my pracedure, please consult year reverst Xennes dealer.

- \* Indicates items that require a readcrate to high layed of enachastical skill. We recommend service by an Xerotos dealer if the overser is not mechanically qualified.

  \*\* Indicates items and procedures that require special scots.

Note: Service your motorcycle more frequently when you rade in wer or dusty conditions.

Maintenance Procedure: I = Impact (close, signed or replace of revolute, C = Clear, A, A Adjust, L = Labricate, R = Replace, T = Tighten

Maintenance period					Mesm	- (but	
Dems	.750.	00001	4100	9906	12000	10000	Storying about below rides
**Re-onting Valve		1	1.1	- (1)	1.1	1	
**Spek Fing		-1	- 8	- 1	R	11.	
** Puril System	-0	1	1	1.	. 1	1	
Hingino (16)		R.	. R.	R.	· R	18.	
*Value Gap		A	A	A:	A.	A	
*Sillie Speed		A	A	A	A	Α.	
*GE Filter		-6:	-0	C	·c		
*Fact Filter		. N.	10	1.	. 3.		
*As Chase		(D)	(R)			(C.	
Name Chair		DIL	36.	DE.	TIG.	TIL	
Fuel Liner		1	1	1		6.	
Throttle Operation		1	1	1.0	T		
Strake Shore Find West:		100	1	1.	.1.	1	
Brake Sylvien			- 2		1.	- 1	
Clusch	-	.1.	. 1	1	.1	2.1	
Sealer Expeld		1.	1	1	t	- 1	
No.es. Bolts, Parenters		1		.1.	A.	. 1	
Wheel Tire		11.	11.	-1	1		

## **BASICMAINTENANCE PROCEDURES**

## **FUEL IGASOUNE)**

First Recommendation -Any unleaded gazzine with an octave rating of 98 or higher.

The cragine on your monorcyclo has been designed to run on any gazzilane with a pump notatio rating of 80 or lagiler. Most navive statems will display the orders using about each pump. Although a is not required.

Xventos ye, commands are of greether with a 50 orders using or higher to reseas maximum performance and

Use of a lower action guidate can cause pre-demonstron to the engine. When this country you will been in provided "suggest" of "spack knock" which, if soons, can cause expect flamps. It is however to cause to concern if you have light paging while the origins in under fund occideration, such as climbing up it hill. If property course under consect lead and a sensity origine speed, sweak bounds of parollace and be sore you are song the proper course outing. Use of indeeded field is reconstructed because it produces fewer origine depress and extends the left of the engine and unhaust components.

Never use state or contaminated gaseline. Never use greetise that has been reised with oil. Avoid petting dust, shit and water into the feel took

### INSPECTION & REFUELING PROCEDURE

- Before refueling your motorcycle, check the fuel hoses @ for leaks, damage, cracks, or determination.
- Replace the fuel filter , replace if necessary.
- Twent the first hard, or the construction of the second of the first hard.

  Using a finered, sald first not that was well the bred reaches about 2 inches from the top of the tack.

  Twent the first and distributed well it is secondly tight.

  So more than you have the breather take the connected to the gas rank cap.





## A WANNING

Discrime is highly flammable and explosive, you non be trumed on scripcible injured when handling greating. Always stop the lengths. Only handle, greating conflorers. Chart all golds in excellently.

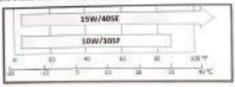




## BASICMAINTENANCE PROCEDURES

Using present pil, and regulatly checking, selding and shanging oil self-help extend the service life of your engine. Same this best oil wears out and lieutones thinner. Changing oil helps get rist of districts in the present of the present of the second confidence of the second the engine. Operating the origine with old or play of may and may durage your regime. Naming the origine with non-enough oil can course servous damage to your engine.

The crust ladow indicates oil for regular air temporatures. Places see the oil/air temporature short to help atu choose the best of for your chimitie.



### A CAUTION

have recovery to state and recipiled additions. ONLY and the recommended of DO NOT are set with propriet or statisficiarum additions, they may advance Valled this object control, 200 NOT are excessed in that indights in a late or scalar lagorithm is labeled. Tenga promovings, They was affect the sufficiency of discharge or development.

### CHECKING & ADDING OIL



- 8. Short and not the engine at idla for 3.5 minutes, then
- 2. Was about 2-3 minutes to allow the oil to properly
- 2. What above the services in a control of the property distributed had in the existing.

  3. Search the motorcycle on a variety stand within it is not bearing to either the right of left.

  4. Reserve the of tiller to pool, which is clear, and must it much in to its place tax OC NOT screw's leak in.
- Check that the of keet is within the (1) 6 (7) high-marks on the dip stick (s) in Fig. 1.
- 6. If the ail break is at or near the esper mark (1), you do agt need to add oil.
- 7. If the oil west is at or near the lower mark (2), you went to add oil.
- 8. Add the recommended of until the upper mink (1), is rescried (DO NOT OVERFILL)
- 9. Repeat speed 2 through 5-

( 16 ]

16. Resettall the digitics and check for any leaks.





## BASICMAINTENANCE PROCEDURES



## ENGINE OIL CONT.

## A NOTICE

About the wigner of to concelled in the project for 1 – 8 minutes before riding at starting. This will give enough time for the oil to lightcars of critics regime comparisons. Helium to only will take as

## A NOTICE

# A NOTICE

## A NOTICE

Do Not Brazilia of Andrew will a pri appropriate markets. Mean party stores or puts shops do take

## CHANGING OIL & OIL FILTER



- I. Start and rull the engine at idle for 3.5 minetos, then issue
- 2. Stand the motorcacks on a streight level surface or that it. is not learning to either the right or left & support it.
- Remove the of filter cap Pg. 271
- Place the oil drain pas under the origine.
  Remove the oil drain bot on analing wather
- As the pill is drawing out, press and hold the origine vice button and the stanton button. The angine will turn last will not start. This will allow all the oil to be shallest from the engine. (ONLY FOR 5 SECONOS)
- After the oil has durised, apply fresh engine oil to the dron bolt threads.
- 8. Install and tighten the drain bod with a new sesting season to 119 (by (150 p))
- 8. It is recommended to replace the all after every 15 hours of riding.
- IB, fill the cranktase with the recommended oil only. 11. Install the oil filter cop.
- 12. Check the oil level by following the steps in "Grecking & Adding Oil?

# BASICMAINTENANCE PROCEDURES



(11:

Paper air filter maintenance is extremely important for off-road vehicles. A disty, water-scaked, were-out In a filter will allow dirt, day, mud or other impurities to pas indicate region. A daily, water souther, we we wanted as filter will allow dirt, day, mud or other impurities to pass indicate engine. If you are religion would areas with a filter more often. Always replace the air filter with a genuine would or a filter of equal quality.

Failure to enablish the filter confirms passe origine were or of derivings, expensive repairs, low engine power, low fuel mileage, carbon balld up on valves and four the sperk glug.

## CHANGING THE AIR FILTER

- 1. Lessen the clamp that is holding the six filter on to the caringmeter.
- Once you have loosened the clamp take out the air lifter.
   If the filter has a lear or break in the filter alament, it must be replaced.
- 6. Once the filter is removed, wash it class with a non-Euromable cleaning solvers. Then wash to hot,
- stapy water, riese well. Then allow the filter to dry well.
- 5. When the filter is thoroughly dry, spray the filter with a good quality or filter oil. Saturate the filter with the all, rubbing it with both hards. Squeece out any excess,
- 4. Assemble the filter back in being careful not to bear the filter.
- 7. Tightes the damp on the filter.

## A SONG

improges or lack of proper or filter maintenance can cause poor performance.

## A NOTICE

reproper last place of the ar first en-tarlying allow duty to only the original cause rapid wear of the pictor rings en-

## THROTTLE



## THROTTLE FREEPLAY

- A. Throttle free-play aboutd be 3 5 man (0.10 0.20 in) A. If your throttle has more play than specified, adjustments oped to be made. Follow the steps below:
- C. Minur adjustments are generally made with the upper
- L. Full lands the mist cover 🚳
- 2. Looser the look not (A)
- 3. Farn the adjuster (2)
- 4. Turning the adjuster in the Odrection will decrease here play. Turning the adjuster in the adjustion will lecrease free-play.
- 5. Question the thruttle to ensure that it is been some ampotely, and when religied, it returns considerally from fully open to fully closed is all steering positions.
- is. Inspect the condition of the throttle cable from the throttle down to the carbaneter. If the cobic is leaded or charled, it must be reglaced.
- T. Lubricate the cable with a convenentially available. sable labricant to prevent presumate full and/or correspon.
  - 8. Check the cable for tensor or stress in all steering.

## ENGINE IDLE SPEED



## ENGINE IDLE SPEED ADJUSTMENT

Sense other, ratio adjustment is not a near ourse for other problems in your engines' fuel durings subbit. Adjusting the Idia will het solve ar compensate for a fault elevate in the argum. If you are having trouble, please contact

The engine most be at normal operating temperature for an accorde advotment.

- 8. If the engine is cold, start it up and let it water up for a: remutes then that it off.
- 2. Connect a faction eres to the graphe.

BASICMAINTENANCE PROCEDURES

- Make ourse the transmission is in neutral gear.
- 4. Keep the maturipate in an upright postsic
- 5. Adjust the like speed with the slee screw 🙆
- 6. To recrease the rifle, furnities screw to 9.

  1. To depresse the rifle, furnities screw to 9.
- M. The life screw might look like and located an different sides of the restorcycle, depending on which model you have
- 9. The idle must be at 1500 ± 100 Ppes.
- 18. DO NOT edjust the any feet minture scope 10. It has been set from the fectory. This should only be educated by an impoton dealer. STALED FOR USA

## **EASIGMAINTENANCE PROCEDURES**

# CLUTCH SYSTEM

In coder to strature the best performance and durability from the check, always be were you have proper closely free-play. Pare-play is cooled to contact that the clotch has recently were. A clotch with so the play will begin to skep as for those wear down. Father: to the a sligging clotch our cases clotch durage. To clotch the free-play, samply policion the clotch lever. The lever should move very easily within the free-play range heliare you feel the church begre to sugage. If we much in too little free-play exists, adjustments are seeded,



## CLUTCH LEVER ADJUSTMENT

- The distance between the clutch lever and the grip may be
- Nonember Succh adjuster lock nat 
   Turn the adjuster Octocketse to add free play and counterclocketse to remove free play.

A accord adjustment may be account if the classic is aligning or if the classic will not imagin. Follow the steps below carefully to perform the adjustment. If the clutch is aligning, you will need to decrease the amount of check engagement. If you squeeze the chack lever all the way and the clutch will will not engage, you need to mercoon the engagement (Clunch Free play 10 - 15 even)



## INTEGRAL CABLE ADMISTMENT

- 1. Loosen the lock nat 🔕
- 1. Move the integral cable adjuster and look in to place with the adjuster runt of to obtain the specified free play.

  3. Tighten the tight not of the clock the adjustment.

  4. Start the origine and pull the clock lever in and shift.
- into great. Make sure the engine does not stall and the rectorcycle does not creep forward.
- S. Gradually release the clutch layer and open the theorie. The mistorcycle should move smoothly and accelerate
- 6. If you cannot get the proper edjustment, see you otos deular or service center.

## RASICMAINTENANCE PROCEDURES \*\*

The recommended standard spark play will wark very well in most inding condition. However, if you plan on riding for extension persons of time at high upper or high angine part in hot chimaton, or plan extension. riding in sold chinates, a different plug may be recommended.

A fouled (dirty) apark plugican cause your matercycle to run poorly and lose performance. Follow the steps below to inspect, clean and/an replace the spark plug if received.

- LClass say does and die from second for spark play how.
- I. Disconnect the spark play sup.
- 3. Remove the spark plug.
- A Using the photon below for reference, examine the plug to deminate its chool-new, if the ging is a natural color, go on to step 6. If the plug is Suded (firly), go to step 5.
- 5. Using moderate grit sandpaper (220-400), sand between the center electrical and the side electrode until all surbor and oil deposits are removed. Markin recumulande that you use a spark plug cleaner or a new spark play if the play is very day.
- 6. Impact the spark plug electrodes for wear. The center allicateda doubli have agains stiges. The ride alactrode should not be readed at all. The unsalator should not be exacted or slepped. Replace the play if any electrode wear and/or creeks are present.
- T. Chack the spatk plug gap soing a spark plug gaper. Caspers can be purchased at your local autoparts store. The spark plug gap should be. 8.3 O.Stanz. Always check the gap of saure spark plug before you restall 8.
- B. Be auty all the law been elected from the threads. Install the spark plug by hand. This will proved stopping analyse cross thepsaling of the flurests. Use of 8 in societies weench to securely lighten the sparts plug. Do not over so under tighters the speciplug.





a you respect the spack plug, governity it will its note one of the later categories above above. A control of sports plug will have a light-brown rector and displays on noos around the electrodes. A sportstag with a bright indice meet indicates a leas condition in the origins. If your plug looks like this, have your moneyabs surriced by 5 Kristina dauber immorbatily. A carbon Sollish plug will be recognizedy black with an glass. An old Solish plug will appear a dark abiasy breams or stony black as aboves above. An old Solish plug is caused when the engine oil samps this prices very used to because with the Bark. I'll limited plugs and not parameters, however, if your researcycle in remaintainty oil feeding spack glugs, have it acrossed by your board however dualer immediately.

An expression's lightwood spirit plug can engine, if a page is too loose, a person of if a page is too right, the shreeds must be

## BASICMAINTENANCE PROCEDURES

our meteory is in copage of with hydraulic des, broken on both the freed and non-whoch. Hydraulic brokes opinio broke fleed for the operation. Next, from and care brokes have a broke fleed construer back one than or explanations. Feeling this procedures below to edgest the brake beautito the specified surgest and check thad levels.



# BRAKE LEVER ADJUSTMENT (REAR)

- L. Remove the court pro
- Berecve the pind.
   Yes car adjust the lever by turning the coupler on to too tight, ratio the relate spring (if anni lable) and become the lock war (i).
- Oucs lock out is loose, offset the coupler by turning it clockwise or consecutacionies, must the breke love? back in to the complex, insert the pix and shock the layer haught. If it is the destred beight, righters the lock stat. remand the gra and then the coree gra, Make new the oother pin is opened, so that the pin door not full me.



## BRAKE FLUID LEVEL CHECK (FRONT)

- L. Chack the level of the brake flead by looking in the right glass @periodically with the reconnecte in the apright position
- The fluid level should not be lower than ball way 1
- If the level is lower than half very, check the brake p.
   for worr and the system for leuka (Pg. 47)



## BRAKE FLUID LEVEL CHECK (REAR)

- 1. Check the level of the brake fluid by looking in the right glass Operiodically with the most reyels in the spright
- The fluid level should not be lower than half way 5. If the level is lower than half way, check the brake pada for wear and the system for looks. (Fg. 47)



HAT OWN PROTABILIST

## BASICMAINTENANCE PROCEDURES

# BRAKEING SYSTEM Cont.

Hydrosis: Itrakes repairs brake fluid for its operation. Note that and rost brakes bank a brake fluid received achiers below to efficie and fill for cylinders with the specified Wall- Faul RECOMMENDED BRAKE GLUD - DOT 4



# ADDING BRAKE FLUID PROCEDURE (FRONT)

- E. I Sear all dist and shot from the mustal of bades our O
- 2. Moreovery the copt across On a Philippe head across Exercise pre-cap. He cancel not to durage the shape special fluid a would need the cap.
- Asht du required symmet in so the muster extension (DH) NOT CIVERIBLE CAPACITION from East control better
- A. Replace the cup and highers the second season by
- 4. Squeeze the beaks layer to be over the brakes are ending property
- 7. Obody the body to occased bytes nation the frame



## ADDING BRAKE FLUID PROCEDUME (REAR)

- to Class of the and due to a Demoir relation on 🚱
- I. Romova For con screen @wife a Plaking hand mirrord to let
- I. However the cap. the capital net to decrease the displaying policy that is assent under the cap.

  4. Add the regional present to be the mader cylinder. (De):
- NOT OVERFILL (Always use their flood sexted how but
- 5. Rophico the cap and righter the scrows received
- S. Prove the first banks form to be were the brakes are stocking property
- 7. Check the brake hose and basic redger for leaks

If you are allowe how to re-assemble a part, contact year Xinotes dealer for arriving information and or neytring.

## A MOTICE

the very painting text to will be very tiped on passession of the painting of any common the painting of the p

## **BASICMAINTENANCE PROCEDURES**

Hydrocky disc brake systems use a brake calipor to squaree the town (brake this) which causes the exotons yeld to stop. Notice the brake caliper are brake pade. The brake pade are the part of the brake system that trades contact with the brake roter. The path want be checked in accordance with the maintenance schooleds for the brake system to described on pagetts 31, 32, 33. Follow the procedure below to check the imsho pad wear



## BRAKE PAD WEAR

- Inspect the bridg pads Obech maintenance interval. Imore Irrequently if you do a lot of rising)
- 2. If the pads are were down to a thickness of I rem, both paids need to be replaced. (Never replace only one publ. 3. If you find that both pads on either front or near salper
- are not wearing down events; you may need to replace the brake pady. If one side has warn down more extensing than the other, consult your Xmetos dealer for a possible bad brake caliper. tem
- 4. If you are ansure how to replace the broke pads, please contact your rearest kinotes dealer for assistance, or schedule your motorcacle for servicing.

# BLEEDING THE BRAKE SYSTEM

Secrete the brake system utilises fleid, any an hubbles moide the broke system will cause you to lose waking efficiency. Air generally onesy the brake system when the motorrycle arts unused for long periods of time. Air will also cutor the system if you have a looking brake hose, brake caliper or rautur cylinday, A. brake system with air will cause the basks lever and pedal to firel soft and spengy. The the proceeding below to blend at fines but the from and rear brake system.



## BRAKE BLEEDING PROCEDURE

- 1. Clear all dust and den from the master cylinder and strawa the mester cylinder cap.
- 2. Furns the brake lever or pedal sloudy and firmly 6.6. tienes and they hold it.
- 3. Using an Rean womain, Insperior Sheader sales broated at the brake enlaper. You will use brake fluid, end possibly mens air leables ent out the blooder yalve.
- 4. Tighten G bleeder valve and than release the laver or pedal skowly. 5. Mapon stops 1 - 6 until all air bubbles have atopped
- flowing from the bleeder valve. The lower-podal about tool hard and first when you are complete.

# BASICMAINTENANCE PROCEDURES

Losie, worn or damaged suppression components may affect the stubility and funding of your restorance. If any of the suspension components never to be wors or damaged, see your Xinotos dealer for service analyse empocation. Your Xinotos dealer to the most qualified to determine whether or not replainment party or service is required.

Your motorcycle is new. Break it in for about I froum with the original settings before attempting



# SUSPENSION INSPECTION (FRONT)

- Check the fire Orreton by pulling in the front brake lever and halding it to lock the hors wheel
- Ment, pump down on the handle bars leveral times. The suspension should feel clear and uneath
- A. Check the lawer and of the forts (sear the wheel) for all leaks.
- 4. Inspect the upper to larger triple clamon 100 Egliness.
- Be date all the triple clamp bolts () tight 1
- 6. Examine the metal for any cracks, least or other darwer.
- T. We have those is no five ultry in the steering head (



A NOTICE

OO NOT TRY TO RONG THE HONG IF RETWINE MICESSARY, SAME THE MICESCREEN TO AN IMPORTE GLA

## ADJUSTABLE SUSPENSION (FRONT)

- 1. On the Isport the fork, you will find a sirew head (a.e. clicker).
- It will have the surting 5 in, meaning boft & Hard or
- the marks (+) or (-). This is the Compression Adjuster.

  If you tarn the scree Sourcetine "in" (+), the discretization of the look will handle. Attenuationly. Fixed furnithe screw toward the "\$" ( " ), the
- downward action of the fork will soften.

  4. To get a good feel for the difference this can make, up. forming both screws all the way to the "H" ( + ) position. then go for a ride. Don't try and set any new recolds thought. Once you have a good feet for the nide, try turning the screen all the way to the " $\Sigma^*$   $\{-\}$  position and compare the difference.

# NON-ADJUSTABLE SUSPENSION (FRONT)

No Adjustments Mecrosary

[ \* ]

USE ONLY DOT 4 BRAKE FOURD.

# BASICMAINTENANCE PROCEDURES



### **ERONT SUSPENSION**



## ADJUSTABLE SUSPENSION (FRONT) Cont.

Over time, the forks such in air, creating a booklesp that

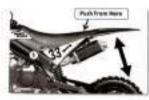
- will have a had effect on the performance of the fixtor.

  1. Para suggest on the bedom of the bake so that the front upon is all the ground.
- 2. Turn the six bleeder serior are that top of the link countries clack wise to otherwise the six.
- Make sery you do the with the weight off the front forks and he sain to righten it back before placing the bike back on the ground.

### REAR SUSPENSION

1000s, worn or famaged suspension companients may affect the stability and handling of your motorcycle if are of the suspension compensationers to be worn or derruged, see your kindoo dealer for service and/or inspection. Your Brooks dealer is the most qualified to determine whether or not replacement parts or service is required.

Your motorcycle is new: Greek it in for about 2 hours with the original settings before attempting edjustments.



## SUSPENSION INSPECTION (REAR)

- Move the restarcycle by bouncing it up and down to check for smooth suspension action.
- I. Check for a broken or damaged spring.
- Check the shock absorber for a bent carrier shaft or one oil looks.
- 4. Check rurp, and bolts of shock for higheress.
- R. Check the spring adjuster(s) rings) for tightness.
- 6. Check the swing-arm bolts for lightness.
- Posh the rear wheel from side to side feeling for any loose or worst swing, and bearings. 

  If there is received, have the responsible serviced by east Youtes dealer.

( n)

# $\infty$

# BASICMAINTENANCE PROCEDURES

## RIMS & SPOKES

Maintenance of spoke tension and whent therees (manufaces) is critical to eaf; mercrycle operation. During the first 100 miles of folding, spokes will have a fast of due to the tental scaring of the parts. Excessively loose spokes will make the matericycle to become untable at high spoof and could make you to kee custom. Loose spokes can also cause the and spoke damage (not covered in the warranty).

It is not accessary to occay; the wheels for regular maintenary of However, information on wheel mouvail is you highly from Newton.



# WHEEL INSPECTION (FRONT & REAR)

- Inspect the wheel sees and spokes to for damage.
   Feel all of the spokes with year fingers to make sure sone are boost.
- Z. Tighten say loose spokes with a small adjustable weights or spoke wrench from the spoke sex 6
- b. Heyate each wheel off the ground, also at a time, and up the wheel density. Look for a waithful is the wheel if a waithful is emitted, the wheel is not "train". See your Xenotes dealer or head measure, the shop for imposture.

## TIME AIR PRESSURE

Properly inflated time will provide you with the best combination of handling, tread life, and riding notefort. Generally specifying undertailland also will were uneverly and adversely affect handling. Undertailland times are also more likely to fail from being avertheated and one name wheel damage on recky names. Overwilland times will none the manuscrycle to fall bandley, are prove to failure from surface handled and your surveying.

Make seen the valve stem caps are secure, if needed, match a non-cap. Always check six pressure whos you, sees and cold. If you check the six pressure when the time are warm, you will get higher madings. If you for are on all warm time to make the recommended cold time pressure, the time will be carderin fland. The correct cold time pressures are insend below. If you replace the tim, in flate the time to the following time pressures around marked below.

f " 1

. 1	ME PRESSI	URE (reflected)
Front Tire	70/100-14	15-18PH (304-124 HPM)
North	60/109-12	17-56Po (739-350 M/s)

	TIRE PRESS	URE SOFT-HART
Non Tee	70/300-17	15-18P# [104-124 kPW]
Asir fire	90/330-14	19-1854 (004-134 kPM

JOING THES THAT ARE EXCESSIVE IF WORK DE-MANAGEMENT REPLATED ON CAUSET A CHASE IN MARCH POLICIA DE SENSIONET RECORDS DE MARCH POLICIA DAL REPLATEMENT DE THE CHASE SAME AL REPLATEMENT DE MARCHES AND MARKET DE MARCHES DE MARCHES DE DE MA

## BASICMAINTENANCE PROCEDURES

## REAR SUSPENSION CORE

The rest conjunities of jour money, is been an adjustment point at the fortent of the stock, it comes that the factory set to the nation setting. If you would be made the rise supportains harder, follow the prevailable below. Adjusting the cour should be made and fact the front factor, charges cloud be made one at a time as part of course and countries.

Once you are far-show with the orthogone your wagement, you can quickly and vasily adjust there to not different tomain. For example, you make the orthogonetists for which you take it is the sized durant. But when you are rading on your local encourage trials you know to have it to a different noting.



## ADDITISTABLE SUSPENSION (REAR)

- The man check absorber has one adjusted for both porturession and released.
- By farring the adjuster (a continued (a), this will make the complession bander and retourns sweet.
- C. By turning the adjustor Quantum cluckwise , this will make the compression softer and sebasorial faller.

## NON-ADJUSTABLE SUSPENSION (REAR)

No Adjustments Necessate

( n )

## BASICMAINTENANCE PROCEDURES



## TIRE INSPECTION

A that the prime blowest can be very proportional and can even copy you to have an accident. Take the time to expect your time surface, before you ride. For time information about handling a flat time, refor to the section of the mornal title. Resolving the Unexpected.

- Inspect the true confidity for humps or bulges in the sidewell of the true and totale of the treats, replace any true that have busque or bulges in them.
- Look closely for case, size or assoles in the tires. Replace may fire if you can one a labor or card durwing through.
- Check for racks or other objects embedded in the tites or mod. Remove any famiga objects. Be now there are no service or mails in the tires.
- Ministra the tread depth of the time. Replace all time before the read depth gets below 8. (2a: (Junn) or southern you notice a reduction at your market.)
- Check the position of both valve steem. A filled valve stem radicates that the tabe is slipping model of
  the tim or the tim is slipping on the ran. See your Xmotos dealer for assistance.

## TIRE & TUBE REPLACEMENT

If a tube has been punctioned or damaged, it should be replaced immediately. You may report the tube using a tabe patch lest. However, a repaired table may not have the same reliability as a new one and could fail while miling. For more information on a computery regist, see the section field flaggling the Unsupersied.

Always our registerment takes that are the same size as the original. We reconcurred that you have above changed at your local X-mokes dealer or your local motorcycle slop. Replacing a take requires removal and auditation of the wheel. Anything you have a take replaced, perform the transpection listed at the top of this page. The tirm that came on your moneycy to were designed to provide a good combination of handling braking, deathfully and combinations of handling.

- Upg a replacement tire equivalent in size and type to the original tire.
- Replace the tube enytene you replace a tire. Old labers are usually usualted and, if a middled in a new time, could full.
- Have the wheel bulenced after a new tier has been installed.
- We recommand that tires be replaced by your Newton dealer or a local authorized chap-

war &	TIME SIZE
Front Tire	70/100-14
Rear Tire	80/180-12
Tione	Olive Ply, Tube Type

S. 110.00	TIRE SIZE			
Front Tire Att/160-17				
Rear Tire	80/130-14			
Type	Stat Fly, Tube Type			

# A WARRING

INSTALLING NAMED AND THE ON YOUR MOTHER FOLDS EARL ADMICT INVOCATION AND STREET IN WHICH, IN STREET, CANADASS A COMMITTE WHICH YOU CAR IS A ROUSEY HERT ON PALLEY A ALMAND LIST FRE LIST A AND THE OF THEIR PROCESSANING TO BE THE CHARGET.



## **HASICMAINTENANCE PROCEDURES**

## SREAKING IN NEW TIRES (ON-ROAD)

tion, time wood proper break in to conser masterior performance, just as the proprie does. Wear in the year turning by gradually increasing year cornering lear, segles over the first 190km (100 relies) before of terminal or than year or the content of the conte attempting management performance. Asked hard acceleration, hard community, and hard broking for the first

## A WARNING

TAILURE TO PORTORING BELOW AS OF MEW THEIR DOLLD CARRY THE SUP AND LOSS DE CONFESS. LIKE SOTTER DARK WHICH BENNE ON MEW THIS, PERSONN PROPRIE BELOW DO THE THEIR AS DESCRIPTION ABOVE.

## DRIVE CHAIN

The service lists of your strive chain will depend on several factors including proper lubrication, adjustment, and tribing style. If you are an experienced titler and tend to ride to a more intersectuation, or you ride in made thany area, you will need to check the drive chain more frequently. Four maintainance will make pre-cratical wear and in domage to the drive about and spreakets.

Before you service your drive chain, be sure you are parked on a lovel nurface and you turn the engine OFF. Be sure the immunication to in notated. It is not necessary to remove or replace the chain to perform recommended majes survived arrived



## CHAIN INSPECTION

- L. Check the clash, in the lower drive chain midway between the sprockets (a. Pask upward on the elsein with your Finger. The vertical movement should renesare between 65-10 was
- 2. Repeat step 1 along several points of the drive chain. The slack should remain constant through-out. If it is not, some links may be kinked and binding. Labricating the chain will often stop this.
- In Impect the drive chain for the following: duranged collers, loose pins, day or mated links, kinked or Ninding links and expensive wear. Replace the chain, losse piles, or kinds that connect be freed. Lubricate the drive chain if it appears dry or shows signs of not. Lubricate any binked or hinding links and work
- 4. You should replace the drive chain ence the mar sole is enoved as far back as possible and stock still resum. This indicates that the chain is worn beyond its service limit.
- S. languar the front and your appropriate for excessive wear or durange. Refer to the effectivities at the top of page 42. If needed, replace any worn or damaged spreeders. See your Xusatos dealer for measurement

EXCESSIVE DRIVE CHAIR SLACK MAY ALLOW THE DRIVE CHAIR TO DAMAGE THE ENGINE CARS.



## BASICMAINTENANCE PROCEDURES

## CHAIN SLIDERS



## CHAINSLIDER INSPECTION

- E. Check the sider Ofer wear.

  2. If the wear linet Ofer been reached Fig. 3, it must be replaced.



1. Check the guide slider for your Fig 2.

2. Anniver the guide slide: the ways to the betternoff the wear limit fig. 5 - Q



## BASICMAINTENANCE PROCEDURES



## DRIVE CHAIN COSE.

Use the diagram below to determine if the sprewhele recol to be replaced. Never use a new chain with a damaged or worn sprecipet.

THE LIST OF A NEW CHAIN ONLY WOR SPRICEST WILL CAUSE SWIND CHAIN



## DIAIN ROLLER



## CHAINROLLER INSPECTION

- E. Dieck the lower Oroller for wear and damage
- 2. If the railer is worn e danages, a most be replaced before user and ride.
- 3. If the rather has been warn down, then the notice exact be replaced.
- 4. If you cannot or do not know how to registe the roller, take the motorcycle to an Knotou dealer for service.

## A CAUTION

ACANYS USE HIGH CONCRY LUBBICANS TOR THE TRIVE CAMA.

( a )

# BASICMAINTENANCE PROCEDURES



## CHAIN ADJUSTMENT

Follow the procedure before to adjust the cities closes slack. Because that you are parked on a level section and the singles is belowed OFF

( ... )



## CHAINADEUSTMENT

- I, Liconor, the year axis rout @
- Lissour the lock mut@on both right and laft side.
   Turn the adjusting both @counter-clockwise to
- decrease each in the chair, or declares to increase slack.
- 4. Make care the gap @botween the adjusting plate @ and awing arm are the care on both left and right sides.

  5. Tighten the sale out to a bith-loc (bith Nex)
- 6. No-thock chain stack and resolved if necessary.



## CHAINLUBRICATION

Commercially propared chain lubricants may be purchased at most metarrycle chaps and should be used instead of motor oil. Chain lube or gear oil (90w or 90w) is recoinmended.

Seturate each joint so that the lubricary penetrates the space between each surface of the link plates and rollers.

## DRIVE CHAIN CONT.

If one have been rading as extremely wouldy of dusty conditions, the drive chair about the removed and send before you apply labeleast. Follow the procedure below to remove and about or regime the drive his with a new ora:



# CHAINSEMOVAL CLEANING & REPLACEMENT

- L. Remove the suppler fink retaining of the County models hose plans. On me band or rains the clap. Rossows the receipt first and removed the drive charge
- 2. Close the drive chairs with a non-flavorable of obviert souls as keessone - NOT gasoline - and allow it to dry.
- Inspect the above chara for pessivir wear or damage. Raplace for thire chees if a han any daranged tollors, lusse fitting links, or otherwise appear autoryleastle.
- 4. Expect the spenckets for water or damage. Xirotos recurrenels that you regime the spenckets when you estall a new drive chain.
- Paus the chain over the sprockets and joes the ends of the chain with the reaster link. For usue of assertily. hold the chain eads against adjacent year sprocket teeth while inserting the master link. I ustall the master link retaining clip so that the closed end of the remixing clip will face the direction of forward wheel rotation.
- 6. Laborate the chain

The master link in the most critical element of drive chain security. Master links are requeble, as long as they are in excellent condition. We recommend installing a new master link when you install a new drive chain. You may find it easier to install a new shain by connecting it to the old chain using a master link and pulling the old chain to position the new chain on the sprochess.

## APPEARANCE CARE

To clean the motorcycle you can use any of the following: water, mild scenari description, wild apray and wipe cleaner, mild spray and river cleaner/degressen. Avoid products that contain hards detergents or chemical solvents that can damage the metal, paint and plastic on your motorcycle.

We recommend that you use a gorden hose to work your motorcycle. High pressure washing (like soin. operated our weathers) can demage certain parts of the nursurcycle. If you must use a high printing weather, avoid spraying the following areas: Wheel hubs, muffler order, understands the sast, regime cop muftch, undernorth the gas tank, drive choic and corborctor.

HIGH PRESSURE WATER OR AIR CAR GARANCE CRITINAL PARTS OF THE INSTRUCECLE, ROVER WAS THE INDIRECTOR MINEL THE DRIVER BY IN ARRINGS. ALIQUAY LIGHOCATE THE DRIVED DANKE DAVID ARE THE SHOP WAS 1840 AND THE MERIORCYCLE IS DRIV.

( 10 )

# ENGINE ODES NOT START OR IS HARD TO START

1. Execute the Certarytes . By one from a half forming out the said.

in these fact they be trial the contract No. (Support fact two flower strangers had titler Despite fact Valve

Chagod feel task breather box

bracking or street carboness for

Ver SHESTERS

2. Assessor the Sparit Phys. Remove the spark play and impact, company 411.

for the signals, plog to good working conditions? New - Thinked coging and/or confusions:

. Chaler refere to release!

bend in its grands upon

Dirty or obsecution from

more protest range trapiant engine).

THE SEESTER S

Mark for Too be point our work to wroning the east ying and receiving it was the bank ying cap. For the open and in the speak play on a manifugant of the origine and look over the regime. You should not a miso blac speak on the rest of the speak plac. A first space will red start the explici-

A NOTICE

DO HER TOUGHT THE MINOR PLUE THE PLUS CAN SHALL THY HER TO STYLATTHIC HIGHER MINOR WILL HER WITH AND SERVICE STATE OF CHILD.

In their a good speck?

dental or elected small plug with company plug var-

Rederica the believe union and

Early Source CERTON

Faulty or idential trageate assistably. Benking or closeful regime regressive

Long. or complet wire real or comments to began than but showing own No SHESTER A

maker \$60. Perform a complete companions have be had becoming the singular starch. For some your have the sport. this insulted. White peaking do not so the total media shorts, you should but a very hard themson that will already without the lock start from mores facilitated even. No many firements on the kink start force mustary you have poor compression

No. 1 Valve took open scient or repreper valve meny fear your Standard design.

Owner, a facility and sed in place stops replace on the

Lasking or Samegoli oplindar local garket tiste your Names skalaris

his begannen

S. Engine Start Condition. Hurt the copies by using the record starting to such at the page 240.

Does the regime statt has then stop could be oftenweed.

No. Improper cluste operation

Daty as improperly adjusted cortrorous (Contact pure Science Dealer)

Onder manifesty light light

Departure spoking training (see year Ximono Dealer).

thing or control trial good by

# TROUBLESHOOTING

## ENGINE LACKS POWER

Lifturming the Delve-Arain - Batter the wheel of the ground and upon by hami-Does the wheel again freely?

No - Bude dragging, strat specify percented broke pade Now a damaged wheel bearings

foot ack

NAMES OF STREET

2. Outliether Then Pressure: Use a Longermann, parage to check the time promote all such that (one page \$2) Is the tier pressure consul?

No. Forly the rather

Personnel time and/or terror taken Yes-SEE STEP 2

3. Check Superview: Associate rapidly forcigh first and several great.

Home the regime speed-RPM decrease property when you start from time your to received good! Nor Mipping shoult, adjust (not page 47)

. Were our chish discs and/or place (see page 45)

- Week about sorings

energy addition in the origins will

Van. SEE STREET

A.Explor Performance Respection - Accolorus lightly

Three the togalest speed income? Ne-Clogged air filter.

- Briefered or chagged fact law and/or fact filter

(Suppl sufficient extent

Clear value is closed

Clogged fiel and breater have

Non-SER STREET

\$-Speck Play Impecation - Remove the speck play and impact time page 44)

is the ignet plug to good working condition? No. Spark play is not serviced frequently executi-

react space gring have sange (not page 44)

- backmen spark place see

Yes TEE STEP 4

\$Jington Oil Aspection - Check the oil treet and the continue of the oil.

Is the origins oil ferel corner, and in clean condition?

No - Of level too legh. Hillippi on low

Tex - 100 E 12200 Y

1.C) Warfor Compressions (Ingression - Clarit the cylinder compression.

No.: Valve stack openins and or improper native testing tiers you? Xineties ducked

( " )

on optimizer and and to prosen rags (replace engine)

Looking or damped cylinder board paster (one year % scope dialog)

TROUBLESHIDOTING



# ENGINE LACKS POWER Cont.

S. Carlenney Aspertion - Transmitte the participent and shock for the pr

Was be influence slogged and direct

No. DEL CTRE II

Nex - Currenter is not acressed frequently except-

9. Over Breiting Jacqueraine - Classic the origins for exercising

Is the implies evolutioning? - GO TO STIP IN

Yor Exceptive carbon holding in the communities observed - Use of poor quality fact

-Chief sligging

- Low fact allottes or improper curtary rating of fact.

10. Engine Condition Sequenties: Assertions repulls through all grows and ride at high speed.

Does the segment book? No. BID STEP 11

Yes. Were posted and cyloider to place original.

- Writing type of End Conser rectagg

Excessive cohos halldup in the confination charder

ELipsidae Theing Departies - See pine band Xmonin duties in connectal squaridag to have the species caring and cription labelization system imported. Undy attempt these principles of you are qualified and have the project roofs storded.

is the specious circles; more all (Timery is one adjustable)

No- Entity CDE ignition hos-Faulty Ignition pulse gove

Vot - SEE ETBY ()

12. Judetrianties Angeweiten - Konserve file nal vo adjeutes finde cap-out the cylinder bend end respect for fuhrmation.
16. the nalve team haberwated properties.

So. Chapped oil passage (replace orginal) - D'ey andre contaminated region of

Yes - Son your Navoton dealer to have your restoucycle serviced.

## POOR PERFORMANCE AT IDLE & LOW SPEED

Edwards Manifold Properties - Clerk the people countried for looks

to there a beak to the stool Brid? No-SEE STOP 2

Yes - Larger contamptor resourcing, he're

Danigell institute guer - Danaged make wardfold project

- Crecked or feology to take waveful tip-get

( - )-

## POOR PERFORMANCE AT IDLE & LOW SPEED COIL.

2. Apart Star. Then the special special for recovering the special plug and insurting it must be speck plug sup. Place the open and of at plug in a control part of the region and block sport the angeles. You should see a trice that sports on the and of the sports play. A first speek will not used the regime.

- is there is pend special."
- New Foundation fleater speek place
- Brokes or shorted speck play were or speck play our
- Broken or idented (person and
- Fastly (person CDI Box
- Facility or advocated magnetic installability
- Product or marked organic responsibility
- Lease or cowaded when audited or me in Debugger of least hand admirated non-

### Fee - SEE STOP 1

Attentionates Air Speen Deproples - Clearly the continuents are cores. Turn the losses obstacles and you limb it may the set all on the serve marker shockwise 1.5 harm.

- Differ our survey coming contest?
- No Adjust using the precedent site
- No. OF STREET

Algoritor Finding Associate - See your local Xentes dealer or measure to squar drap to have the ignition from gregories Only attempt their presentant if you are qualified and here the proper tools account to the perpet tools account.

- No. Faulty CDI sprillus box Faulty ignition poles generals
- New-Sear year Nipowee Bestier to Nave year preminingly on

## POOR PERFORMANCE AT HIGH SPEED

make the Flori Eller - Discourant the fast base or the continuous

- is there had doming fracts?
- Ne Clagged had benefited at stragged had filter
- Citygod Foot Valve
- Clogged But task breaker been
- Yes SEE STOP 2

2. Conference Departmen - Discontrabile the curburatur and check for usage

- Was the notice to dispel and dispel
- No I SEE STEEL
- Yes Curtainties is not associated frequently enough, contaminated facil

3. Spelition Titeling & Fiator picts dispersion—line year bood Son ns dealer or motorcycle repair alog to have the speace money oved. Only attempt these procedures of you are qualified and have the proper tools imodel

- Are fire ignifice strong, valve thinks and valve springs normal? (Timing to non-adjustable)
- No. Facility COI ignition box
- Finally ignition tailer presented
- an value spring
- Traken or demograf attended special

Yes-See your Kinstee chains to have your moneyelv see

A MOTRE DD NOT TOUCH THE SAME PLUG OR PLUG CAN MHAZ TEVING TO START THE DROVAL YOU AND RECENT AND EXCENSION SHOCK SHIELD RESIAT IN SURGOUS MOUTH OR SERVE.

enter stream too tight Damaged steering head bearings Oncol, time promotes

POOR HANDLING

### Either wheel has a Wobble

- we wheel bearing plus
- Bont Rico

Steering is begrey

- improperly installed wheel halt
- Danuged twing are
- Best frenc
- Coase or broken spoken
- Old tives with "dre-not

## The restorrycle pulls to one side

- From and rest where out of digresses Easily shock absorber
- Danaged feetics
- Hent Swing orne
- Danaged and
- Danaged frame
- Decembed agree or honor triple stamp:

TROUBLESHOOTING

## RESOLVING THE UNEXPECTED

## **GENERAL GUIDELINES**

If you musuatur trouble during a ride, the first thing you should do is stop as soon as it is safely possible Do not continue to ride if you have a flat tire, if you have an unuoual notes, or if your metercycle just does not feel right. If you continue to ride, you will more more durings the memorytic and endanger your own sufcty.

After you stop, take time to sarefully look over your motorcycle and identify the problem. Always somider all of your options before you make a docition. Sometimes a problem can be relatively minor and can be permanently repaired on the stall provided you have the tools, supplies and skills needed to do so. In addition, you may be able to make a temporary reput and ride slowly buck to your best where you can get further help and/or supplies.

When a problem appears to be more serious; or you do not have the tooks, supplies and skills needed to ranks a regula, you will roud to choose a sufe way to get yourself and the nationizele bank to your base. If you are close enough, you can often push the motorcycle back.

Whatever the problem may be, always follow the instructions below:

- 1. Always put safety find.
- 2. If the problem is minor and you have the tools, supplies and skills needed to make a stemporary repair, be sare to make permanent repairs us soon as possible
- 3. Do not continue riding if you are hun or if your motorcycle to not in safe riding word line.

Recommendations for specific problems follow

## IF THE ENGINE QUITS OF WILL NOT START

If the engine was not reaking unusual noises before it quit mening, and it fools normal when you operate the kick starter, you can probably role out a major mechanisal problem.

First, shock the fuel system.

- 1. Make sure you have fast in the gas task and the first valve is set to the "ON" position.
- 2. Check the fact turk cap breather hous to be saire it is not pinched or clogged.
- A. Turn the fact value to the "OFF" position. Discovered the fact line from the excharges and monageneity turn the fluid valve to "ON". If fact door not flow out, there is an electroction in the fact tank, fact filter, or is the fact line

If the fact system appears to be ukey, check the ignition system.

- 1. Check the speck plug cap. He sure that it is not loose or disconnected.
- 2. Disconnect the speck plug cap and remove the speck plug. Connect the speck plug to the plug sep and place the threaded end of the spark plug on a nestal part of the origine
- 3. Kick the kick starter while you watch the spark plag. If it sparks, the ignition system is probably weeking. If there is no spark, explain the speek plug with a new case. If there is still no speek, there is a problem with the ignition system

If you connot identify or current a profilers, you will have to past; your moneycle back to your hose-or gut some help.

# RESOLVING THE UNEXPECTED



## IF YOU HAVE A FLAT THE

How you basely a flat set on the trail will depend on the severey of the decauge to the tree and/or the inner who and what tooks and supplies you keep with you. If you have a slow link or a return your you can try to make a semporary report.

- fi. Use se sensed this scalar to seed the purcours and author the take. You can do this without removing the
- 2. Use a habe repair kin to paint the hole in the main rate. This requires removal of the velocit and the

If the look is more severe, or a temperary report does not hold up, you will need to replace the inner tabe. If the tire is also reverely duraged, you will need to replace the tire in well.

If you cannot repair the flux tire on the trail, you will word to peak the remorpide track to your base or send for holy. Do not rate on a flat tire. The moneyable will be keed to bandle, and if the tire comes of the rim, it can look up the wheel and peace you to cook.

## W. YOU CRASH

Forecast selety in the first priority after an ascident. If you or anyone else has been injured, take plony of time to sets the severity of the injuries and determine if it is safe to continue duling. If you cannot risk solely, send someone for help. Do not ride if you will risk further injury or if your monucycle has been damaged too severify

If you decide you are capable of riding selely, carefully respect the motorcycle for damage. Clock the lightness of entired mate and holto such as the handle bars, control levers, featers and wheris. If there is minor damage, or parture not some about possible damage but decide to ride back to your hone, ride slowly and anationally

Sanationa crash danage is hidden or not impurifiately apparent. Once you get home, go over your embrocycle Burnighly and fix any problems that you first. Also, be some to have your Nauton dealer respect the frame and paspension offer a perioda comb-

## IF A COMPONENT FAILS

The drive chain, master link, control cables, basks controls, and other composures can be duraged if you take in each or over racky terrain. An membered earlier, making the repair on the trail will depend on the seventy of the durage, tools, supplies, and skills that you have.

- I. If the drive class comes off because the mater link city has here knowled off, you may be obtain a repair the shall wife a not maker link. However, if the class is broken or causes durings when it coulds off, you roop too be able to make a studiede repen-
- I. If any component of the front braking system is damaged, you may be able to mile back to your have carefully using the near brake for slowing and stopping. Likewise, if a component of the rest braking system fails, you can ing the frost brake for slowing and stopping.
- If you descript the Briefle cable or some other critical component, the inclusive or may be unaste to side.
   Carefully more, the decays and make my reprint that you can. But if you have any modes, a telescale to be conservative and safe.



TORQUE		



	Name	Torse .	200	
		Steri	(Princ)	None
٨.	Mother Cover labor.	244	38	- 2
8	SeitBulls	31.5	- 24	
C	Exhaust Mounting Book	24.4	-38	3
Þ	Sub-fraver Bell ((over)	314	26	- 2
£	Shook Alterday Belt	46	94	7
+	Sati-France Balt (Legion)	47.4	25	.7
Ð.	Strong Bobs Legant	4.3	1.5	115
H	Stroad Bolls (lawer)	4.7	11.	
1	Traile clares (lapper)	75	35	12
	Handleber riser (septim)	7.7	30	1
1	Triple clarter Downst	TI.	15	3
14	Fersex bots	8.7		1
34	Asternal	81	- 00	1
B	Orace No.	10	15	
۴.	Engine Vicent Best Essi		27.71	
4	Of Draw Balt			
A.	Digital mounting back			
9	Weart Bright Box			
3	High Start Level Soll.			
Ü	Engine Mount Bott (1994)			
₩.	Swing Arm Mct.			
20	Graha Lever Boli			
9	Connecting red (from)	80.7	- 15	- 2
1	Most mount (lower)	43.6	36	1
2	Coloracting rod (mark)	60.7	45	- 2

Asoni		Fise	Forque		
	and the second	140	ti-be	-	
AR.	Street have built	12.5	- 24		
Ad-	Clubck holder	1.0	75		
AC:			100		
AD.	Triple clarge (street)	E1	10	7	
AE.	Randigher (Nat (Sweet)	10.4	25	-	
1.			- 70	-	
Я.,	Coner aut	507	- 12		
3	Multiprotein (UT / RT)	23	1.2		
4	Shifflet movers (LT / RT)	:27	991	12	
4	Chain littler holi [TE/WY]	25.5	- 10	157	
	Bride options balls	27	38	179	
1	Www.ud bolos	63	- 5	print.	
	Strator has an badd	32.5	79	-	
2	Bridge dischedu	144	11		
154	Dis metrods	6.7	1	12	
19	Drive springert tests	15	26	- 8	
1.0	Chief debustry nut	22	50	115	
42	Our gods turn	6.7	- 3	- 1	
64	Committing roof crears.	80.3	45	13	
	Shock maker (lower)	59.6	36	1	
	Rich mund bole	40.5	13	-	
	Connecting and Hours	66.7	45	1.5	
	Lifeboge commendes	64.8	48	14	

- Ageby oil to fleenib:
   Ageby tectnic 245 it paid to fleenib:
   Ageby ground to holt, NOT through:

# TORQUE SPECIFICATIONS



-		Ter	term .	-
	1	Prof.	Arite	-
ĸ.	Singine mount (from)	16	-26	2
B	Oldon as	173	35	1
C	Engine mount (lower)	40.5	-30	- 2
п	Sprucket body.	16.7	32	-2
C.	Swing arm out	M	06	. 2

- Apply oil to threats.
   Apply tectio 240 liquid to threads.
   Apply great to bolt, WOT Entails.

# MAINTENANCE SCHEDULE RECORD



Oderrator or Have Relating has	Galament or a Hour Reading San No.	Department or Hour Residing Are
Dealer Starna	Deuter Stamp	Osaler Stamp
Date	Osts	Data

Oxiomates or Hour Reading less Fe.	Outcomes or their Reading line .	Coloraster or Hear Reading law.
Dealer Snemp	Dealer Starter	Dealer Stamp
Outs	Cuts Signature	Date

( \* )-



# Nametes USA, Inc. - EMISSION CONTROL SYSTEM WARRANTY

## YORK WARRANTY RESIDEADS AND DISLIGATIONS.

The minimum present operary special for this exhibits beginn on the data for which is distinguish to the ultimost purchases and make an including a continuous of the state of

## OWNER'S WARRANT'S RESPONSIBLITIES

As the volicle awar, you are responsible for the performance of the required maintenance. You should maintenance as second of all maintenance performed on your vehicle and study all covering customerance as your vehicle. You may not be decided a warmany claim solely become of your federa to ensure the performance of all selected relationance or lack of statisticance records or meeting. You are responsible for parametrizing one orbitals on an authorized dealer as once as a problem ocide. The connected regard of the performance of the perfor

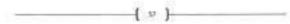
As the related center, yet alread be aware that you may be dested your warranty coverage if your related or a past has failed due to steem, neglect, improper parameters, or unapproved madifications.

### WARRANTY CONTRAGE

The largerter warrants to the utilizate purchases and made subsequent purchases that the case 2019 velocity, technological parts of its entireous sentirel system, rapets two conditions:

- 4 It is designed, built, and equipped to as it confirms at the time of sale to the skinning positions with the applicable requirements of the United States Environmental Protection Agency; and
- √ It is feet from defects in material and werkmanning that may keep it from morning these requirements.

Your extinsion control system wireless covers composition whose foliage would measure as augina's emission, including electronic intervals. But injustice system, embyones, the ignorest system system, enables of an artifact in this vehicle to control emission if a is originally equipped. Also included may be been, committee and other contained association. Replacing or repairing other components (to both ding parts, labor, and other costs) not covared by this unission council system mirrarily or the mandaled warranty in the impossibility of the covini.



## EXCLUSIONS AND LIMITATIONS

This warranty does not cover the following:

- Failure or multivarious of the contentor rooted systems caused by afrairs, observiors, excident, returns, the use of leaded potention.
- Replacement of expectable manuscance term union when they are original equipment defective—in removal or workmanning under commal use, and the first required replacement interval for the turn has not been positive. Expendable manuscance terms include but not limited to upode plags, Elium, conduct, indicases, packets, inner and holes.
- ★ Replacement of parts and other service and adjustments for required maintenance.
- Any valuals equipped with so independs or hour mount where the resulting is effected to that satural enlarge operand for reachly determined.
- ★ Bapairs or replacement as a result of
- · Accident
- O Minus
- the of replacement parts or accessories not confirming to the original openingation which advantally affect performance.
- ★ Physical damage, correctors, or defices caused by fire, explosions or smaller causes beyond the central of the imposter
- \* Failure not consent by a defect to material or workersmilety.

This of the vehicle is any type of compatitive racing or related events introductly and completely value this and all other moments.

## CONTACT

No dealer is authorized to modelly this from non-Echand Warranty. If you have any quantities expending your warranty rights and exponentialness, you should contact Xourase USA, Inc. as nile-656-1818 (or you can write to contamilize and non-

Coverage of expose stable this manuary applies only when request one completed at an authorized dealer or separ heritary. This importes will not over request performed statulated as authorized dealer or separ facility, among it is no emergency structure. The two of explacement parts are equivalent to the original parts may appar the effectivement of your vehicle's induced covered expose. If such a replacament part is used upof on authorized dealer denominate to the description or manuary and are the effective denominate to defective or manuary and one is warranted parts, your claim for explain the facility your vehicle and complete the authorized dealer denominate or explain the facility of the experiment of the experiment of the experiment of the experiment of the decrease.

If an recognise situation courts when a wormen'd part or a dester is not reasonably available to the owner, repairs may be performed at any analishin service contributions, or by the owner, using any replacement parts. The importer shall establishe the owner for the expension, delignative charges, not to accord the importer's augmenter's augmenter's augmenter's augmenter's augmenter's augmenter of the first interest parts replaced and labor charges based in the expension accommend one allowance for the warmety report and the gauginaphically appropriate towers labor rise. The acount may manifely be required to keep receipts and find parts to order as recover compensation.

This Emission Council System Warranty is in addition to the standard Limited Warranty.

## LIST OF EMISSION RELATED FARTS

Fact States	Part Number	Furt Manufactured
net tank	93018034803 921418034803 921418034803 93018014803 93018014803 98799014803	Ways Jaconing Places Products Co., 198
sol Torix Exp	91718025805 921A30018905 98508058018058 91718005805	tous artising Plants Products Co., I/All.
whether Asserting	FE261125ed FE2962 (116c)	rujus Foding Jingle Corkunstor Co., 193
29	9336401 92184018 9808401	Changing Kaoling Elements Co., 105
son Post	ATTE	Changing Jongsten Preser Machinery Co., Ctd.
Delf	0500030303030	Changing Tengther Power Machinery Co., Uni
to Comm	CONTRACTOR	Tachtes Yeng Yang Acto Perts Ca., LCE.
Contract frontier	SECRETE SECON	Designing Sungalism Power Machinery Co., 160

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