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USER MANUAL



Introduction

Congratulations to the new GPX Owner ! GP Motor (Thailand) Co.,Ltd.would like to thank you for your trust in purchasing this motorcycle.With our sophisticated engineering innovation,GPX New Demon GR165R 4 valve ABS is finely crafted to be one of the decent motorcycles one can desire for.The design is aimed for it to be a handy,economy and easy to use motorbike,nevertheless safety and efficiency come as its true ultimate.

Please study this owner's manual in order for you to enjoy all the advantages of the vehicle. This manual also gives you the basic instructions on how to operate, keep proper care of your bike including trouble-shooting tips. For further questions and helps please contact any GPX dealers near you.

Yours sincerely,
GP Motor (Thailand)Co.,Ltd.

Notes

[illegible]

Specification

Contents

Dimension	747 × 2020 x 1145 mm
Seat height from ground	815 mm
Engine height from ground	159 mm
Wheel distance	1350 mm
Weight	158 kg
Fuel capacity	10.5 Liter
Front tire	100/80 R17 Radial Tube less
Rear tire	140/70 R17 Radial Tube less
Brake type (F/R)	Disc / Disc
ABS	Dual Channel
Battery	12V6.3Ah
Spark plug	NGK CPR8EA-9

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Safety to Riding

Instructions for Safe Ride

Perform pre-operation check each time you use the vehicle to make sure it is in safe condition.

Always wear safety helmet, goggles, gloves and boots to help minimize the road accidents.

This motorcycle is not designed to come with any shield to protect your body from crashing in an accident, therefore wearing the right gear could save your life. However,they must be comfortably well-fitted and not obstructing your visions and moves that can lead to accidents.

Always signal and look thoroughly before changing lanes.Do not rely only on the side mirrors but also evaluate the speed and distance of other vehicles.

Downshifting when riding up and down steep slopes to save fuel and keep the engine from surging at high revs.

Specification

Model	DEMON GR165R
Engine	164.6 cc
Cylinder	4-stroke.SOHC.4 Valve
Cooling system	Liquid-cooled
Bore x Stroke	59.7 mm x 58.8 mm
Compression ratio	11.5 : 1
Idle speed power	1,500 ± 150 rpm.
Starting system	Electric
Ignition system	TCI
Clutch	Wet type
Gear	6 Speed
Fuel	Gasohol 91,95 or Benzine
Fuel injection	GPX FI

Maintenance and Adjustment

Long-time storage



Be careful ! Oil can squirt to your eye or face while injecting it in to the spark plug hole.If this happens rinse with lots of water and rush to doctor to make sure it won't sustain permanent damage.

Use both front and rear brakes at the same time together for safer stop. Using one brake with too much force could make you lose control.

Riding on the wet road, maintain your steady speed and use less the brakes.

Riding down the hilly terrain, fully release the throttle to reduce speed and use both brakes simultaneously.

If you have a sudden urge to speed up while riding, downshifting gear to get full response of the engine for power to accelerate.

Riding at an appropriate speed and avoid excessive speed for a safety ride, fuel economy and keeping your motorbike to last.

Be more careful when riding on the wet and slippery road.Reduce speed and keep control, avoid sudden turning and braking.

Do not use low gear at the high speed or high rpm to avoid causing damage to the engine.

At all time of riding your hands must be holding the handlebars and your feet are firmly on the pegs.

Above rules are mandatory and need to be followed strictly for your safety,as well to keep the vehicle at its best performance and last longer.

Maintenance and Adjustment

Long-time Storage

- Clean all gasoline in the fuel tank, fuel pipes, and gasoline filter to prevent gasoline sediment from causing malfunctions.



CAUTION

Gasoline commonly gives number of flammable vapors.Store your bike in a well-ventilated place,switch the ignition key to OFF position.Do not smoke and avoid generation of ignition sources.Gasoline is hazardous material and needs to be disposed of properly.

- Remove the spark plug. Pour tiny bit of engine oil, by using the oil can, into the spark plugholes. Start the engine,this is to allow the oil to coat thoroughly on the cylinder wall, then put the spark plugs back in.

Maintenance and Adjustment

Cleaning



CAUTION

Be cautious with the tire dressing, apply where it does not make contact with the ground. This may cause bad grip and loss of control.

----- Long time Storage -----

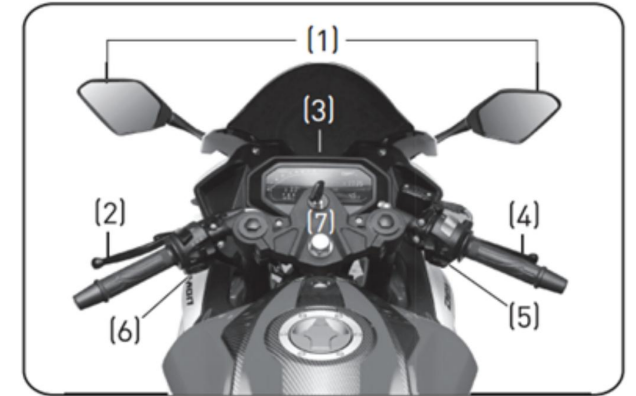
Preparing your bike for long storage

- Clean your bike
- Start the engine for a while and drain the engine oil
- Fill up new engine oil up to the marked level

General Information

Parts Location

- 1) Mirror
- 2) Clutch Lever
- 3) Speedometer
- 4) Hand Brake
- 5) Right Hand Switch
- 6) Left Hand Switch
- 7) Ignition Switch Key



General Information

Gauge



- | | | | |
|----------------------------|---------------------------|-------------------|--------------------------|
| 1) Left turning light | 6) Battery light | 11) MODE | 16) ABS light |
| 2)Temperature | 7) Clock | 12) Speed meter | 17) Cooling system light |
| 3) Neutral gear light (N) | 8) Right turning light | 13) ADJ | |
| 4) High beam warning light | 9) Round per minute (rpm) | 14) Odometer | |
| 5) Engine problem light | 10) Fuel lever | 15) Gear position | |

Maintenance and Adjustment

Cleaning

Chrome and Aluminum

After washing,use a chrome polish to shine the chrome and aluminum parts or apply a corrosion protection spray on both metal parts.

Cleaning aluminum wheels [coated or non-coated], use only the non-acidic aluminum wheel cleaner to avoid damages.

Leather, Vinyl and Rubber Parts

If your motorcycle is equipped with leather, use the leather cleaner.Same to vinyl, use the vinyl cleaner.Using general home cleaner or just water will shorten the life of the part.

For rubber parts or tires, polish and coat with tire dressing spray or liquid to keep them long last.

Maintenance and Adjustment

Cleaning

Plastic parts

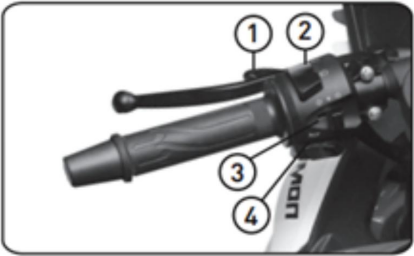
Dry plastic parts with soft cloth after washing,headlight lenses and all other plastic parts.Polish with motorcycle plastic care product.

Important Notes
Using common home cleaner can easily damage the motorcycle's plastic parts,e.g.benzene, brake fluid,glass cleaner,thread locker,etc.If the plastic parts get in contact with the aforementioned,clean and check for damage immediately.Do not use sand paper or wire brush to scrub on the plastic surface.

General Information

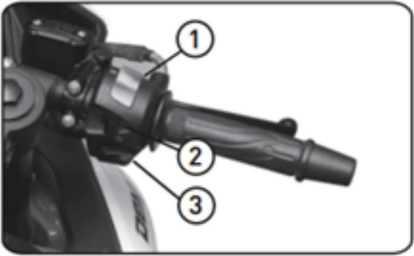
Left Switch

- 1) Signal light
- 2) Lights High/Low Beam
- 3) Turning light switch
- 4) Horn

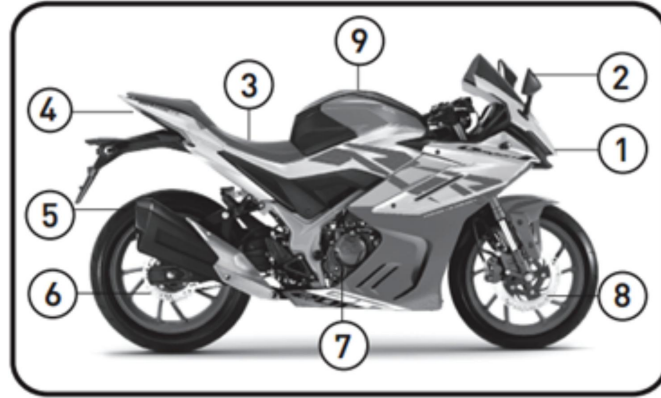


Right Switch

- 1) Engine Kill Switch
- 2) Hazard light switch
- 3) Ignition Switch



General Information



- 1. Main Head Light
- 2. Mirror
- 3. Seat
- 4. Tail / Brake Light
- 5. Muffler

- 6. Rear Brake Disc
- 7. Engine
- 8. Front Brake Disc
- 9. Fuel Tank

Maintenance and Adjustment

Cleaning

- Dry and lube the drive chain to prevent it from rusting.

----- Notice -----

- Immediately wash your bike after riding near the sea road or getting wet with sea-salt water. Do not use the warm water, it increases the corrosive action of the salt.
- After a ride in the rain, if condensation got in your headlight lens, clean and dry your bike. Run the engine and turn the headlight on to dry the moist.

Paint Finished Parts

After done wash and dry, wax and polish all the painted surface plus the metal and plastic parts. This should be done once in every three months. Avoid using paint removers that will impair the wax coatings.

Maintenance and Adjustment

- Pay attention not to make scratches when cleaning the headlight and those plastic parts. Avoid using high-pressure water spray where seals and electric components are, water seepage can cause damage.
- Make sure not to spray water to clean the following delicate parts: air filter, ECU, brakes, all electric connectors, muffler hole, fuel tank cap.
- First, rinse away the dust and remove dirt with water.
- Mix the cleaning agent and water to the proportion, use soft clean cloth or sponge to gently rub the bike.
- Rinse off with soft-or foggy-spray of clean water.
- Wipe with soft cloth to dry and see if all dirt is gone.
- Air blower is not recommended to dry your bike, it may cause flaws to the paint finished.
- Restart the engine at and run idle speed to warm up.
- Ride slowly after washing. Check both brakes by squeezing front and stamping rear brakes several times to help dry the pads.

Chassis Number / Engine Serial Number



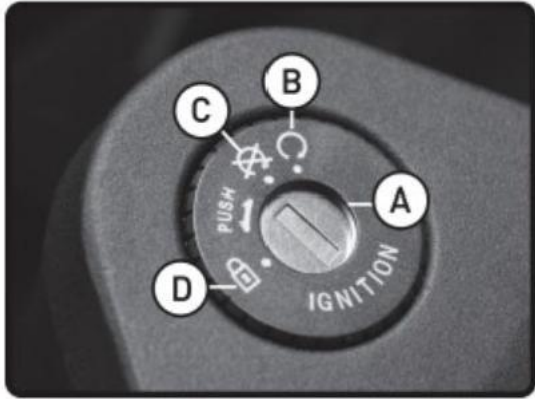
1. Chassis identification code number is embossed on the right side of the steering neck [A].



2. Engine serial code number is embossed on the left side of the engine [B].

Ignition Key

Ignition key switches in 3 ways, i.e. LOCK, OFF  and ON 



A. Key Slot

B. ON Position 

C. OFF Position 

D. Steering LOCK Position

Maintenance and Adjustment

Cleaning

Frequent and proper care taking will keep your bike looking good, extend its life and optimize its performances. Besides cleaning, use the breathable and UV protection cover to keep your bike away from dust or tiny particles that may harm the paint coat.

- The engine and muffler need to be really cold before you do wash.
- Take extra care on seals, brake pads and rubber parts from contacting grease.
- Use no-harsh cleaning agent and is friendly to the paint.
- Avoid using the very chemical detergent which contain ammonia, especially those home glass cleaners.
- Benzene, brake fluid and radiator coolant are harmful to plastic parts, clean the parts as soon as you can if tainted.
- Do not use hard or spiky brush that can scratch the bike surfaces.

Maintenance and Adjustment

Speed-o-Meter Setting



Speed mode Setting

- 1) Press the MODE and ADJ button together to choose mph or km/hand then release the button.

Odometer setting

- 1) Press ADJ and choose TRIP.
- 2) Press and hold ADJ button and set the value to 0.

Clock Setting

- 1) Press MODE button until the clock blink.
- 2) Press MODE button to decrease the time.
- 3) Press ADJ button to increase the time.
- 4) Press MODE again if you finish setting until the clock stop linking.

Fuel Tank Cap



Opening • Lift the Key Lid.

- insert the key and turn clockwise
- Lift the fuel cap.



Closing • Push the cap down.

- Pull off the key.



The seat lock is located under the passenger seat. Insert the key and turn counterclockwise to open.

Starting the Engine

There are 2 ways to start the engine.



- 1. Starting at neutral position.
- 2. Starting at gear shifted.
 - Switch ignition to ON
 - Switch position ↻
 - Raise the side bracket.
 - Squeeze and hold the clutch lever.
 - Push the start button.

Maintenance and Adjustment



Tires

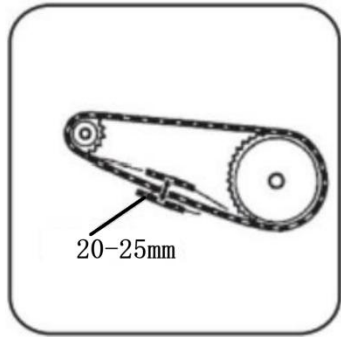
Checking air pressure.

Keeping the tires air pressure up to the specification gets it the best traction and performance on the road.

- Checking the pressure.
- Unscrew the valve stem cap (A).
 - Use tire pressure gauge to read the pressure.

Part	Pressure	Tire Size
Front	33 psi	100/80-17 (tubeless)
Rear	36 psi	140/70-17 (tubeless)

Maintenance and Adjustment



Drive Chain

Checking the drive chain slack.

- Place the bike on the side stand.
- Push up and press down the midway point between the front and rear sprockets.
- If the slack found too low, adjust it to the 20-25 mm.

Specify tension 20 - 25mm



Swing Arm

Inspect and maintain the swing arm once every 1000 km.

- Disassemble the swing arm from motorcycle.
- Remove the bushing, Clean the surface and inside of swing arm with kerosene.
- Check the oil seal and replace it if necessary.
- Add lubricating grease into the oil seal.
- Assemble the swing arm onto the motorcycle.

Note, oil seal easy deformation during assembly.

Starting the Engine

Gasoline



Gasoline use

- Only Gasohol Octane 91,95 or Benzine.
- Don't fill to much fuel it will cause leaking.
- For better use of EFI must keep the fuel level above 2 Liter.

Starting the Engine



- 1) Should start the engine after the key is used for 10 second or when you hear the fuel pump stop working.
- 2) Engine warning light will be turn off when you start the engine.

Maintenance and Adjustment

Clutch

Worn out clutch makes it difficult to shift gears and may even cause damage to gearbox. Therefore, it is necessary to have the clutch checked and adjusted per scheduled.

- Loosen the clutch cable lock nut.
- Adjust clutch lever free player to 5-10 mm





Brakes

Rear Brake / Brake Disc

If the brake pad had worn to less than 1 mm thick,have both as a set changed.

Brake Fluid

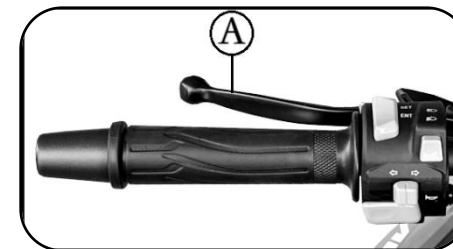
The fluid level must always be above the minimum mark. If you find the fluid is low as to hitting the bottom level,check the followings.

- Check brake pads for wear,change if necessary and the fluid will flow the upper level.
- Check for leakage, at top and bottom of the pump housing and each fluid lines.

Start Riding

Taking Off

- Raise the side bracket
- Squeeze clutch A.
- Start the Engine.
- Shift to the first gear (Tap down the shifter once).
- Gently and slightly twist the throttle until the bike begins to move forward.

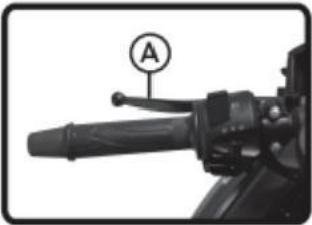


Riding

Shifting Gear

This motorcycle is designed to come with 6 gear speeds.The gear pattern starts with tapping one down for the 1st gear, pulling up for higher shifts and tapping down for lower shifts.

- 1st gear: pull the clutch towards you (A), at the same time shift into 1st gear by tapping downwards once on the shifter. Release your foot when the gear is in position.
- Next gears: squeeze the clutch and move the gear shifts upwards to upshift the remaining gears and release your foot when complete, to permit it to reset for the next shift
- Shifting to Neutral (N): squeeze the clutch, kick the shifter down once to get to 1st gear and kick up very softly once to get to the Neutral [N].



Caution: Always use the clutch when changing gears for smooth shifting.

Maintenance and Adjustment

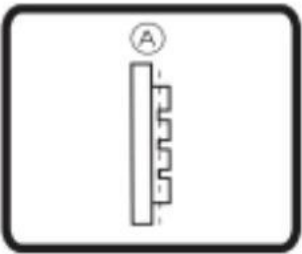
Brakes

Front Brake / Brake Disc

If the brake pad had worn to less than 1 mm thick,have both as a set changed.

Brake Fluid

- The fluid level must always be above the minimum mark (A). If you find the fluid is low as to hitting the bottom level [B],check the followings:
 - 1) Check brake pads for wear,.change if necessary and the fluid will flow the upper level.
 - 2) Check for leakage,.at top and bottom of the pump housing and each fluid lines.



Standard brake fluid
DOT 4

Maintenance and Adjustment



Battery

This motorcycle is equipped with the VRLA battery. There is no need to check or add distilled water.

Removing Battery

- Remove the passenger's seat.
- Remove the rider's seat.
- Remove the rubber strap.
- Remove the battery leads, first the negative (-), then the positive [+] respectively for safety reason.

Replace and reinstall by reverse removing steps.

Battery size	
YUASA YTZ7v	12V 6.3AH

Riding

Speed to Shifting

Gear Position	Speed KM/Hr.
1 st	10-20
2 nd	20-40
3 rd	40-60
4 th	60-70
5 th	70-80
6 th	More than 80

Riding

Braking

- Close the throttle completely without using the clutch [unless you need to shift gear] to help slowdown the engine.
- Gradually downshift until you are in the 1st gear and the bike stops.
- Use both front brake [A] and rear brake (B) together.
- Do not grab harshly at the brake, your front wheel will lock very easily and this cause you to skid out of control.
- Slowdown when you want to make turnings. In case of emergency stop: apply the right pressure to the brake, try to keep control and downshift the gears.

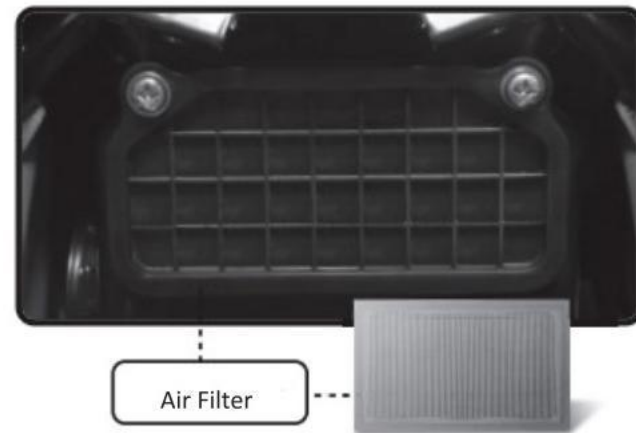


Maintenance and Adjustment

Air Filter

When air filter is dirty, it affects the engine performance and fuel economy, and possibly deteriorates the spark plug.

Remarks: Avoid storing things in the seat for better air flow.



- Remove the seats for passenger and rider.
- Remove two bolts from the air filter cover.
- Remove the filter cover.
- Take out the air filter element and clean.
- Only compressed air can be used for cleaning

Reinstall

- Reinstall by reversing the removing steps.

Maintenance and Adjustment

Engine warning light



Incase that when you starting the engine but engine warning light still showing or blinking
it's mean there's a problem in EFI, please take your bike to showroom or dealer to fix the problem.

Periodic Maintenance and Service

No.	Check List	Description	Mileage			
			1,000	4,000	7,000	10,000
1	Valve Clearance	Check tightness, adjust if necessary.	●	●	●	●
2	Spark Plug	Clean, change if necessary.	Every 10,000 km.			
3	Air Filter	Clean, change if necessary.	Every 5,000 km.			
4	Fuel Filter	Clean, change if necessary.	Every 10,000 km.			
5	Fuel Line	Check leakage or abrasion, change if necessary.		●	●	●
6	Engine Oil	Change (warm engine before draining).	Every 1,000 km.			
7	Brakes	Check,adjust brake performance.	●	●	●	●
8	Swing Arm Axel	Fasten.	●	●	●	●
9	Wheels	Check alignment,change if necessary.	●	●	●	●
10	Wheel Bearings	Fasten,loosen or change if necessary.	●	●		●
11	Steering Head Bearings	Fasten/loosen,replace lubricant at every 8,000 KM.			●	●
12	Shock Absorber	Check for oil leakage,change as necessary.			●	●
13	Rear Suspension	Check for oil leakage,change as necessary.			●	●
14	Drive Chain	Check the slack,change if necessary.	Every 500 km.			
15	Fasteners	Check overall fasteners,adjust as necessary.	●	●	●	●
16	Coolant	Check the coolant level and replace it if necessary.	Every 10,000 km.			
17	Electrical Equipment	Check all lights,signals and switches.	●	●	●	●
18	Battery	Replace as necessary.		●	●	●

Maintenance and Adjustment

Engine Oil

To keep the vehicle's engine, gearbox and clutch work at its best performance, always maintain the level of the engine oil and change at regular intervals.

Engine oil change

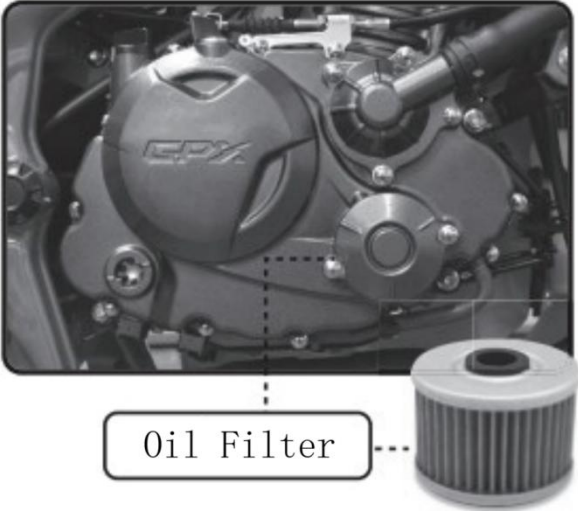
- 1. Must change in every 1,000 km.
- 2. For engine oil filter, must change every 1,000 km.

Capacity

- Normal 1.2 liter
- with filter 1.3 liter
- Direct 1.4 liter

Engine oil standard

SAE 10W40 (JASOMA 2)



Maintenance and Adjustment

Spark Plug



[A] Spark Plug

[B] Spark Plug Cap

Remove / Change Spark plug

- Remove the spark plug cap(B)
- Unthread the plug using a wrench included in the owner's tool kit.
- Thread and tighten the new plug in by reversing the removal steps.

Specified Spark Plug	NGK CPR8EA-9
Gap	0.9 mm
Tightening Torque	12 N.m