

2020

Ebikes

Owner's Manual Supplement



 **WARNING**

READ THIS SUPPLEMENT AND YOUR
GT BICYCLE OWNER'S MANUAL. Both
contain important safety information. Keep
both for future reference.



Safety Messages

In this supplement, particularly important information is presented in the following ways:

WARNING

Indicates a hazardous situation which, if not avoided, may result in death or serious injury.

NOTICE

Indicates special precautions that must be taken to avoid damage.



GT Supplements

This manual is a "supplement" to your **GT Bicycle Owner's Manual**.

This supplement provides additional and important model specific safety, maintenance, and technical information. It may be one of several important manuals/supplements for your bike; obtain and read all of them.

Please contact your Authorized GT Dealer immediately if you need a manual or supplement, or have a question about your bike. You may also contact us using the appropriate country/region/location information. See Contacting GT in this supplement.

You can download Adobe Acrobat PDF versions of any manual/supplement from our website:
<http://www.gt bikes.com>

This supplement contains information for the following models listed in **MODELS APPENDIX**.

Your Authorized GT Dealer

To make sure your bike is serviced and maintained correctly, and that you protect applicable warranties, please coordinate all service and maintenance through your Authorized GT Dealer.

NOTICE

Unauthorized service, maintenance, or repair parts can result in serious damage and void your warranty.

Contacting GT

GT Bikes

Cycling Sports Group, Inc.
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1-800-726-BIKE (2453)

Cycling Sports Group Europe B.V

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GT Electric Bike - (E-Bike)

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Drive-Assist System

The manufacturer's owner's manuals and instructions for the operation and maintenance of the drive-assist system are available as electronic downloads (in Adobe Acrobat PDF format) from our website. Obtain and read these materials BEFORE you operate the bike.

WARNING

Do not operate your E-Bike until you have read and understand the manufacturer's manuals and instructions.

Please go to the "**MODELS APPENDIX**" section of this supplement to find information on how to download the manufacturer's drive-assist system manuals.

You may also visit the SUPPORT section of our website and select your bike model:

<http://www.gt bikes.com>



IDENTIFICATION

E-Bike Parts

An example E-Bike model is shown below. Your actual model and the accessories (e.g. lighting, fenders, rack, kickstand) may be different.



- | | | | |
|------------------------------|-----------------------------|------------------------|-----------------------|
| 1 Frame | 6 Rear chain ring | 10 Fender | 15 Key |
| 2 Drive motor | 7 Drive sensor/spoke magnet | 11 Rear Rack | 16 Serial Number (ID) |
| 3 Drive display/control unit | 8 Head Lamp | 12 Kickstand | 17 Label |
| 4 Drive battery | 9 Rear Lamp | 13 Number plate holder | |
| 5 Front chain ring | | 14 Number plate light | |

Keys

The drive system is turned ON and OFF using a key. Keys may also operate accessories and locks, if equipped. Keys are identified by the serial number, SERIAL. Please record the key serial number for future use and key replacement. If your keys are ever lost or stolen, or you would like additional spares, please contact the key provider.

NOTICE

Don't ride with key in battery lock. Always remove the key from the lock after using it. Keys may be stolen or break off accidentally in the lock. Keep your spare key in a safe place.

Replacement information by key provider:

AXA	http://www.axa-stenman.com
ABUS <small>Security Tech Germany</small>	www.abus.com
TRELOCK <small>GERMAN INNOVATION SINCE 1954</small>	http://www.trelock.de/web/en/services/schluesselservice/schluesselservice.php

Record SERIAL here.

SAFETY INFORMATION

Intended Use

Electric bikes, also known as "E-Bikes" are bicycles equipped with an electric pedal assist drive system. An E-Bike IS NOT a moped or motorcycle.

The drive-assist system consists of a drive unit, a battery, a computer control, and various electronic components (harness wires, sensors, and switches). This model bike does share components common with pedal-only bikes.

There are many different drive-assist systems for differing uses and bike types. Likewise there are various drive-assist system manufacturers (Shimano, BOSCH, Yamaha, etc.)

It is important to know that when the drive-assist system is turned ON, the drive unit engages to provide power only while you are pedaling. The amount of power provided by the drive unit depends on your pedaling force and the assistance mode/level you set with the handlebar control unit. At anytime, if you stop pedaling, the drive-assist will dis-engage. In all modes/levels, the drive-assist system power reduces progressively and cuts off as the bike reaches a the maximum allowable speed. The drive-assist re-engages when speed drops below the maximum allowable speed as long as the pedals are turning.

Whenever the drive-assist system is turned OFF, you can pedal the bike normally. The drive system will not engage.

WARNING

UNDERSTAND YOUR BIKE , DRIVE-ASSIST SYSTEM AND THE INTENDED USE OF BOTH. USING YOUR BIKE THE WRONG WAY IS DANGEROUS.

Please read your *GT Bicycle Owner's Manual* for more information about Intended Use and Conditions 1-5.

DRIVE SYSTEM: You must follow the manufacturer's instruction for intended use or limitation. Please consult the manufacturer's owner's manuals and instructions.

Please consult the **MODEL APPENDIX** section of this supplement for more information.

Drive System

WARNING

MANUFACTURER'S INSTRUCTIONS - In addition to this supplement, you must read and follow the manufacturer's instructions for all components of the drive-assist system:

Drive Unit	Battery
Display/Control Unit	Charger

These instructions contain correct operation, service and maintenance information. Drive system instructions can be also be found at:

<http://www.gt bikes.com>.

No Modification

WARNING

DO NOT MODIFY THIS BICYCLE/DRIVE SYSTEM/ IN ANY WAY FOR ANY REASON. Doing so can result in severe damage, faulty or dangerous operating conditions, or violation of local laws.

Dealers and Owners MUST NOT change, alter, or modify in any way the original components of the bicycle or drive-assist system (e.g. the specified sizing of the attached gear ratios (front/rear chain rings)). Attempts to "hot-rod" or "improve" the speed of the bike are dangerous to the rider. Use only specified GT and/or manufacturer drive-assist service and replacement parts.

**YOU CAN BE YOU SERIOUSLY INJURED,
PARALYZED OR KILLED
IF YOU IGNORE WARNINGS.**



SAFETY INFORMATION

Compliance/Regulation

WARNING

YOU MUST OBEY ALL LOCAL LAWS & REGULATORY REQUIREMENTS - It is your responsibility to identify and follow all local laws and regulations necessary for legal compliance. Compliance with local regulation is critical to the safety of a rider and others where the bike is used.

Here are some important specifications related to compliance with local laws:

VEHICLE CLASS - A definition (California, USA) of the different types of E-Bikes, E-Bike labeling and legal use areas, including any required additional equipment, registration, and applicable rider age restrictions.

VEHICLE CATEGORY - A definition of the European Union of the different types of E-Bikes, who and where they may be used, necessary additional equipment such as lighting and signaling devices as well as any necessary insurance and licensing.

MINIMUM OPERATOR AGE - A minimum age requirement for a rider of the E-Bike. This restriction as well as speed and additional equipment requirements (light, helmets, license plates, signal lamps, etc.)

Follow any state or local laws for any minimum age restrictions for E-Bikes.

Ask your local Authorized GT Dealer for more information about operating an electrically assisted pedal bicycle in your area.

Please consult the **MODEL APPENDIX** section of this supplement for more information.

Operation

WARNING

ALWAYS WEAR AN APPROVED BICYCLE HELMET AND ALL OTHER PROTECTIVE GEAR (e.g. GLOVES, PADS, AND CYCLING SHOES).

IMPORTANCE OF PRACTICE & RIDER TRAINING

- Before you ride this bike, practice riding in a safe area free from hazards. Take time to learn to bike's controls and performance. Practice the controls and gain the experience necessary to avoid the many hazards you will encounter while riding.

DO NOT RIDE "HANDS-OFF" - Keep your hands on the handlebars when riding the bike. If you remove your hands from the handlebar while riding, you can lose control of the bicycle and crash.

CHANGING THE ASSISTANCE LEVEL WHILE RIDING

- Changing the drive-assistance level while riding will increase or decrease the acceleration of the bike. You should anticipate this change in speed and react appropriately depending on the riding conditions. (such as on slippery trails, tight turns, or unstable or uneven surfaces). Set assistance level to "ECO" (lowest assist) or "OFF" before descending technical trails, (e.g. tight downhill switchbacks)."

WHEN NOT RIDING - TURN THE DRIVE SYSTEM OFF and REMOVE THE BATTERY , KEY, AND CONTROL UNIT AND STORE ALL IN A SECURE AREA TO PREVENT UNAUTHORIZED USE.

Remove the battery and key when the bike is parked for long periods.

DO NOT RIDE THE E-BIKE WITHOUT THE BATTERY. MAKE SURE THE BATTERY IS FULLY CHARGED BEFORE EVERY RIDE.

This will help ensure adequate battery power for necessary lighting and the drive system.

DO NOT REMOVE ANY LIGHTING OR REFLECTORS AND DO NOT RIDE IF THEY DO NOT WORK.

DO NOT ALLOW CHILDREN TO OPERATE OR COME INTO CONTACT WITH E-BIKE OR ITS PARTS.

ONLY TURN THE DRIVE SYSTEM ON WHEN YOU ARE SEATED WITH YOUR HANDS ON THE HANDLEBAR READY TO RIDE.

SAFETY INFORMATION

ACCIDENTAL ACTIVATION - Always remove battery from the bike before working on the bicycle or if you transport the bike by car or plane. Accidental activation of the bicycle drive system can result in serious injury.

The drive system will not function without the computer unit attached to the base properly. If the computer disconnects from the base during operation, the drive system will shut off. If this happens you will have to stop the bike, turn the system off, re-attach the computer to the base, and then turn the system back on to resume. Remove the computer when not operating the bike to prevent theft or unauthorized use.

YOUR INSURANCE POLICIES - Your insurance policies (e.g. liability, property and injury) may not provide coverage for accidents involving the use of this bicycle. To determine if coverage is provided you should contact your insurance company or agent. Also, make sure your speed e-bike is insured and registered according to the local laws.

RIDE SENSIBLY, RIDE SAFELY AROUND OTHERS

- The application of power by means of the electric motor assist means that riders can reach high speed. Riding faster increases the risks of serious accidents.

Watch out for other vehicles, cyclists, pedestrians, and animals where you ride. Always operate under control and at a safe speed. Others may not be aware of you. It is your responsibility to anticipate and react to avoid accidents.

E-BIKES ARE HEAVIER THAN ORDINARY BIKES

- Always park the bike in a suitable safe area away from children, cars or animals that may come into contact with it. Park the bike so that it cannot fall over possibly resulting in injuries.

DO NOT RIDE INTO OR ATTEMPT TO RIDE THROUGH WATER OR SUB-MERGE ANY PART OF THE BIKE. If you ride through water you can lose control of the bike or the drive-assist system can become disabled or damage.

Commuting

WARNING

EQUIPMENT - Any bicycle Including an E-Bikes must be properly equipped for commuting including any legally required lights, signals, and registrations. Ask your Authorized GT Retailer about commuting and if your bike's intended use suited to commuting and it is properly equipped.

DANGERS - Operating an E-bike as a commuting vehicle is no less dangerous than an ordinary pedal bike or automobile. E-Bikes are certainly not designed to protect you in a crash. Do not assume the bike or its drive capability will protect you or keep you from being involved in a serious accident.

NIGHT RIDING- Riding at night on a E-Bike or pedal-only bikes is very hazardous.

Read the topic "Riding at Night" in your *GT Bicycle Owner's Manual* now for more information on the many hazards of riding at night.

You must operate with a very high degree of awareness and precaution to only reduce the risk of death or serious injury.

No Child Seats or Trailers

WARNING

Child seats and trailers or racks can not be used and are not allowed to be used with your GT E-Bike.

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PARALYZED OR KILLED
IF YOU IGNORE WARNINGS.**



SAFETY INFORMATION

Battery & Charger

DANGER

The battery pack voltage must match the battery pack charging voltage of the charger. Otherwise, there is risk of fire and explosion.

WARNING

REPLACEMENT - Only use the battery pack and charger indicated in the MODEL TECHNICAL of this supplement. Do not use other batteries or chargers. Do not use the charger to charge other batteries.

PREVENT DAMAGE - Do not drop the battery or charger. Do not open, disassemble, or modify the battery or charger. No user serviceable parts inside.

Keep the battery out of intense sunlight. Keep away from heat. Heat will damage the battery.

Keep battery away from paper clips, coins, keys, nails, screws or other small metal items, to prevent shorting exposed battery contacts. Shorting battery contacts can cause severe burns, fire, or explosion.

ACCIDENTAL ACTIVATION - Always remove battery from the bike before working on the bicycle or if you transport the bike by car or plane. Accidental activation of the bicycle drive system can result in serious injury.

STORAGE & TRANSPORTATION - When the battery is not in use in the bicycle, its transportation is subject to hazardous materials regulation. Special packaging and labeling requirements may exist. Contact local authorities for specific requirements. Never transport a damaged battery. Insulate battery contacts before packaging. Package battery inside a shipping container to prevent damage.

The battery must be removed before flying and may be subject to special handling by the air carrier.

CHARGING - Remove battery from bike before charging. Bring indoors and allow to reach room temperature before charging. Make sure charger and A/C outlet are the same voltage.

Locate both charger and battery indoors, in a clean, dry area with good ventilation to charge. Make sure the area is free from combustibles to avoid fire from sparks or overheating. Keep charger ventilation openings unobstructed. Do not cover the charger or the battery.

Disconnect the battery from the charger unit when fully charged. Do not leave a fully charged battery connected to the charger. Unplug the charger from the wall outlet when not in use.

Maintain the battery and the charger as directed by the manufacturer's instructions.

DISPOSAL - Battery pack/charger contain regulated materials and must be disposed/discarded in accordance with national and/or local laws. Do not discard the battery/charger into fire, water or ordinary household waste/garbage. Take to a waste facility/recycler.



FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN ELECTRICAL FIRES, EXPLOSION, OR SEVERE BURNS OR ELECTROCUTION.

SAFETY INFORMATION

Kickstand

WARNING

If your E-Bike is equipped with a kickstand:

Do not sit on the bicycle with the kickstand down. Kickstand is not designed to support the weight of a person.

Make sure kickstand is up before riding. The kickstand folds in automatically when bike is not leaned to the side. Make sure you park your bike on an appropriate surface.

The kickstand must only be installed by a professional bike mechanic and if installed, it must be safely compatible with your bike frame. No modifications must be done to the frame in order to fit one.

Rear Rack

WARNING

The **MODEL APPENDIX** section of this supplement will indicate if a rear rack can be safely fitted to your model bike.

A rear rack must only be installed by a professional bike mechanic and if installed, it must be safely compatible with your bike frame. No modifications must be done to the frame in order to fit one.

Do not overload a rear rack. Make sure the cargo is secured properly.

Observe the **RACK MAXIMUM WEIGHT LIMIT** found in the **MODEL APPENDIX** section of this supplement.

Improperly installing a rack, altering your bike to install a rack, or over-loading a bike rack can create dangerous riding conditions.

Maintenance

See also, MAINTENANCE in this supplement.

WARNING

E-Bikes need more maintenance that you might be aware. You can not ignore maintenance.

Here are some critical maintenance items that can require frequent attention:

- Tire Pressure/tread condition - check it often!
- Brake pads and braking - check and replace pads frequently.
- Chain /belt drive - clean and inspect often. Replace it when worn out.
- Fasteners can loosen over time. Have fasteners and mounted accessories checked often by a professional bike mechanic.

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MAINTENANCE

The following table lists only supplemental maintenance items. Please consult your *GT Bicycle Owner's Manual* for more information on basic bike maintenance. Consult with your Authorized GT Dealer to create a complete maintenance program for your riding style, components, and conditions of use. Follow the maintenance recommendations given by the component manufacturer's for the various parts of your bike.

CHECK THE FOLLOWING BEFORE EACH RIDE:

- Make sure the battery is fully charged and locked securely in position on the bicycle.
- Check tire pressure and wheel condition. Make sure wheel quick releases are firmly closed.
- Check the drive chain condition. Make sure it is clean and well-lubricated. Chain wear is greater compared with pedal only bikes. This requires frequent inspection and replacement.
- Check the bicycle front and rear lighting to make sure it works properly.
- Check the bicycle brakes, make sure they are working well. Brake system pad and disc wear is greater compared with pedal only bikes. This requires frequent inspection and replacement.
- Inspect condition of electrical cables (i.e. Kinks free, no signs of abrasive wear)
- Test the drive-assist system, make sure the drive system functions normally.
- If your E-Bike model was equipped a lighting system, brake lights, headlights, and number plate illumination, make sure these lights are each functioning normally. Make sure the number plate is clean and readable.

IF YOU FIND ANY DAMAGE, DO NOT RIDE THE BIKE, CONTACT YOUR AUTHORIZED GT DEALER.

TO BE PERFORMED BY AUTHORIZED GT DEALER:

Recommended after the first 150 km, bring your bike to your Authorized GT Dealer for an initial check-up. It should include checks of the drive-assist system, drive chain condition, proper shifting, accessories, wheels and tire condition, brakes, etc. This visit will help you establish a schedule for repeated visits appropriate for how and where you ride.

Every 1000 km, bring your bike in to your Authorized GT Dealer for a regular detailed inspection, adjustment, and replacement of wear items across the entire bike. Electrically powered-assist cycle (electric bikes) can wear out wheels, tires, drive chain, brakes, more quickly.

WARNING

ANY PART OF A POORLY MAINTAINED BIKE CAN BREAK OR MALFUNCTION LEADING TO AN ACCIDENT WHERE YOU CAN BE KILLED, SEVERELY INJURED OR PARALYZED.

Please ask your Authorized GT Dealer to help you develop a complete maintenance program, a program which includes a list of the parts on your bike for YOU to check regularly. Frequent checks are necessary to identify the problems that can lead to an accident.



Drive-Assist System

NOTICE

Drive-assist system components must only be serviced at an authorized service center. This will ensure the quality and safety of the drive-assist system.

Never attempt to open, remove drive system parts from the frame, or work on them yourself. Other components of the electric bicycle drive (e.g. drive chain, front chain ring, rear cassette, rear derailleur, crank arm) must be serviced by an Authorized GT Dealer.

Replacement parts must be identical to the original GT specification for the bike. See **MODELS APPENDIX** in this supplement. Failure to replace components with original specification can result in serious overload or other damage to the drive unit.

Unauthorized opening or service of the drive unit will void the warranty.

Cleaning

When cleaning your bike, use a damp sponge or a soft brush with only a mild soap and water solution. Rinse the sponge often. Do not spray water directly on controls or drive system components.

NOTICE

Do not use a pressure washer or dry with compressed air. This will force contaminants into sealed areas, electrical connections/components promoting corrosion, immediately damaging, or result in accelerated wear.

WARNING

KEEP WATER AWAY FROM THE ELECTRICAL COMPONENTS.

MAKE SURE THE BIKE IS SECURED UPRIGHT AND CAN NOT FALL OVER ACCIDENTALLY WHILE YOU ARE CLEANING IT.

Don't rely on the kickstand. Use a sturdy portable bicycle wheel stand to hold the bike upright.

Keys

Please Note: After lots of rides and washing, the battery lock can become dry and difficult to use.

To maintain, whenever you lubricate your bike chain, place a few drops of chain oil on the key insert the key and operate the lock, then remove and wipe the key clean.



NOTES / RECORD

Use this page to write /record important information about your E-Bike : (e.g. maintenance history, dealer contact information, settings, etc.)





MODELS APPENDIX - 1

Platform	eForce	
Intended Use Condition ¹	Condition 3	
Region	EU	
Model Code	G64100M	G64200M
Model Name	eForce Amp	eForce Current
EPAC according to	EN 15194	
Drive-Assist System	Shimano Steps DU-E8000	
Battery	Shimano Steps BT8035 504Wh	
Display	Shimano SC-E7000	Shimano EW-EN100
Max Power, Continuous	250 W	
Max Speed	25 km/h	
Max Weight, Total	150 kg / 330 lb.	
Drive-Assist Owners Manual	http://si.shimano.com	
¹ ASTM F2043 ² 2006/42/EC (EU)		





MODELS APPENDIX 2

Platform	ePantera		
Intended Use Condition ¹	Condition 3		
Region	EU		
Model Code	G62100M	G62200M	G62300M
Model Name	ePantera Bolt	ePantera Current	ePantera Dash
EPAC according to	EN 15194		
Drive-Assist System	Shimano Steps DU-E7000		Shimano Steps DU-E6000
Battery	Shimano Steps BT8035 504Wh		
Display	Shimano SC-E7000	Shimano EW-EN100	
Max Power, Continuous	250 W		
Max Speed	25 km/h		
Max Weight, Total	150 kg / 330 lb.		
Drive-Assist Owners Manual	http://si.shimano.com		
¹ ASTM F2043			







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