



## **X-Treme™ Gasoline Scooters**



**Model: XG-505**

**Product Handbook**

**PLEASE BE SAFE WHEN RIDING**

**ALWAYS WEAR A HELMET AND OBEY ALL LAWS!**



# IMPORTANT



## THIS IS A 2-CYCLE ENGINE

**IT REQUIRES A MIXTURE OF GAS AND 2-STROKE  
ENGINE OIL**

1. You **must** always use a gas oil mixture. FAILURE TO DO SO WILL VOID YOUR WARRANTY!
2. Use 32:1 Gas/Oil Mixture. Combine 4oz of oil for every gallon of High-Octane Gasoline.
3. Tanaka Perfect Mix, or similar quality 2-Cycle Engine Oil recommended. Oil can be purchased from your local X-Treme Dealer, Outdoor Power Equipment Dealer or Power Sports Dealer.
4. High-Octane Fuel Recommended. (90 octane or higher)

**Failure to follow these INSTRUCTIONS will  
VOID YOUR WARRANTY!**

**This PRODUCT IS NOT INTENDED FOR EXTREME or  
OFF-ROAD Use! Please take care of your SCOOTER**

**DO NOT JUMP or ABUSE THIS PRODUCT!**

**DO NOT RIDE IN WET/ICY CONDITIONS!**

Failure to follow these instructions properly or  
Abusing your scooter will  
**VOID YOUR WARRANTY!**

# IMPORTANT

PLEASE READ THIS BEFORE USING THIS PRODUCT

**READ THIS FIRST!**

## WARNING

This product does not conform to Federal Motor Vehicle Standards and is not intended for operation on public streets, roads or highways. Serious injury can result from the unsafe operations of this product. Operator can minimize these risks by using certain safety equipment such as: safety helmet, goggles, gloves, elbow and kneepads and appropriate footwear.

DO NOT operate this product in traffic, on wet, frozen oily or unpaved surfaces or under the influence of drugs and/or alcohol. Avoid uneven surfaces, potholes, surface cracks and obstacles.

DO NOT use a water hose to clean this product. See Product Handbook for more information.

This product is recommended for riders 16 YEARS OF AGE and older.

## SAFETY

- Persons without excellent vision, balance, coordination, reflex, muscle and bone strength and good decision-making capabilities should not use this product.
- Minors without adult supervision should not use this product.
- Persons unwilling or unable to take responsibility for their own actions should not use this product.
- The user of this product assumes ALL risks associated with its use. To minimize these RISKS, the user must wear appropriate safety gear such as helmet, goggles, gloves, elbow and kneepads and appropriate footwear.
- Never start the engine inside a closed room or building. Breathing exhaust fumes can be fatal.

## QUICK REFERENCE SAFETY GUIDE

### **Fuel Safety**

- Mix and pour fuel outdoors away from sparks or flames.
- Only use a container approved for fuel
- Do not smoke or allow smoking near the X-Treme XG-505 while working on the engine, or while the engine is running.
- Wipe up and clean all fuel spills before starting the engine.
- Move at least 10 feet away from where you fueled before starting engine.
- Stop engine before removing the fuel cap.
- It is recommended that you empty the fuel tank prior to shipping or storage to prevent fuel leaks.
- Do not store your X-Treme XG-505 near open flames, furnaces, electric motors or switches.

### **Maintenance**

- Maintain your X-Treme XG-505 as recommended in this Product Handbook.
- Disconnect the spark plug cap before performing any engine maintenance, except for carburetor adjustments.
- Keep others away while making carburetor adjustments.
- Use only quality replacement parts as recommended by the manufacturer.

### **Transportation and Storage**

- Carry your X-Treme XG-505 by the handle bar tube with the engine off and the muffler away from your body.
- Allow the engine to cool, empty the fuel tank and fold the X-Treme XG-505 before carrying or storage.
- It is recommended that you empty the fuel tank prior to shipping or storage to prevent fuel leaks.
- Clean the X-Treme XG-505 carefully and store in a cool, dry place.

### **Product Safety**

- Keep hands and feet away from moving parts.
- Inspect the entire product prior to each use. Replace damaged parts. Check for fuel leaks and make sure all fasteners are in place and securely fastened.
- Replace all parts that are cracked, chipped or damaged before use.
- Use only parts and accessories that are recommended by the manufacturer.

**If a situation arises that is not covered in the manual,  
proceed with caution and use good judgment.**

**Contact your dealer or X-Treme ([www.tremescooters.com/support/](http://www.tremescooters.com/support/))  
if you need further assistance**

## TABLE OF CONTENTS

IMPORTANT INFORMATION.....	2
QUICK REFERENCE.....	4
TABLE OF CONTENTS.....	5
GETTING TO KNOW YOUR X-TREME XG-550.....	6
PACKING CONTENTS.....	7
GETTING STARTED.....	7
UNFOLDING.....	7
FUSE INSTALLATION.....	7
FUELING.....	8
STARTING.....	8
RIDING/BRAKING.....	9
FOLDING AND STORAGE.....	9
OPERATING PROCEDURES.....	10
MAINTENANCE.....	11
RECOMMENDED TOOLS.....	11
CARBURETOR ADJUSTMENT.....	11
BRAKE SYSTEM.....	12
TIRES AND WHEELS.....	13
ADJUSTING THE HEAD UNIT.....	14
ADJUSTING THE CHAIN.....	14
MAINTENANCE SCHEDULE.....	15
OTHER QUESTIONS.....	15
GENERAL INFORMATION/TECH SUPPORT.....	16

## GETTING TO KNOW YOUR X-TREME XG-505



## **PACKAGE CONTENTS**

Your X-Treme XG505 comes with the following items in the box. Please locate all of the following:

1. X-Treme XG-505 Gas Scooter
2. Tool Kit
3. Product Handbook
4. 10amp Fuse
5. Tire Tube Air Extension Valve (may be inside tool kit)
6. 12V Charger

## **GETTING STARTED**



**Please read and understand these instructions and the OPERATING PROCEDURES section, prior to starting or riding your Scooter**



### Unfolding

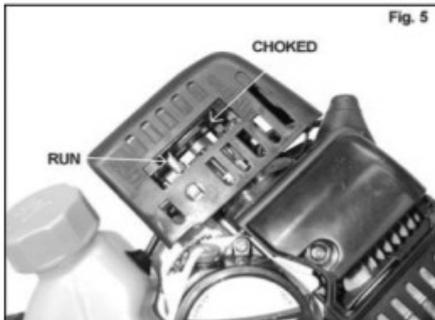
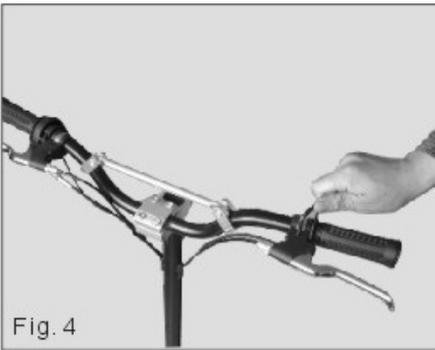
1. Carefully remove the XG505 from the box.
2. To unfold the XG505, begin by pressing down on the FOLDING HANDLE with one hand (Fig.1), while gently pulling up on the handlebars with the other (Fig.2)
3. Fully extend the handlebars to their upright position until you feel the mechanism lock into place (Fig.3)
4. When you first take the XG505 out of the box, the LEFT AND RIGHT HAND BRAKE LEVERS are in the down position for shipping. Using the provided Allen Wrench, loosen the tension bolt, and adjust the levers to a comfortable position (Fig.4). \*BE CAREFUL NOT TO PULL ON THE CABLES!

### Fuse Installation

Your scooter comes with 10amp fuse that is NOT installed at the factory.

Follow the instructions below to properly install the fuse before attempting to use your scooter.

1. Locate the 10-amp glass fuse that came with your scooter.
2. Locate the fuse holder on the right side of the scooter frame under the footplate.
3. Remove the fuse holder cap and insert the fuse into the cap first.  
Then insert fuse/cap into fuse holder and gently tighten. DO NOT OVER TIGHTEN THE CAP.



## Fueling

**This is a two-stroke engine.**

**Only run the engine using a mixture of gasoline and 2-cycle engine oil.**

### **PLEASE READ OPERATING PROCEDURES BEFORE FUELING!**

5. Mix fuel (minimum 90 octane) and 2-cycle engine oil in separate container. Use Tanaka Perfect Mix or a quality 32:1 mixed by shaking the container.
6. Make sure that the engine is off!
7. Slowly open the GAS CAP, so that possible over-pressure disappears.
8. Clean the tank cap area to make sure that it is free from excess dirt and debris. \*Make sure that no dirt falls into the gas tank.
9. Pour pre-mixed Gas/Oil mixture into the GAS TANK. \*Do not overfill.
10. After fueling, replace the GAS CAP and tighten.

## Starting

**Move at least 10 feet away from where you filled up the gas.**

11. Set the CHOKE LEVER to the CHOKED (UP) position (Fig.5).
12. Pull the RECOIL STARTER briskly, making sure to hold the handle in your grasp. (Fig.6). \*Note: Do not allow it to snap back, let it back slowly, You may want to give it a little throttle by gently squeezing the GAS LEVER.

13. It may be necessary to repeat step 12 several times until the motor starts

**When starting the XG505 for the first time, it may be necessary to pull the starter handle multiple times until it starts.**

\*This is because the gas needs to be drawn into the carburetor.

14. Once the engine has started, quickly move the CHOKE LEVER into the RUN (DOWN) position. (Fig.5)
15. After engine is started, let it warm up for 2-3 minutes before riding

**IF THE MOTOR KEEPS STALLING AT IDLE SPEED, IT MAY BE NECESSARY TO ADJUST THE IDLE SPEED ON THE CARBURETOR.**

Please refer to Carburetor Adjustment in the Maintenance section on page 12 for instructions on how to adjust idle speed.

Riding

16. Make sure that all of the exposed bolts and screws are tightened.
17. Raise the kickstand to its upright position.
18. Make sure the engine is running.
19. Put one foot on the deck of the XG505. While pushing off with the other foot, gently rotate THROTTLE toward the rider on the right side of the handlebars. The XG505 will begin to move on its own power.
20. Control the speed by rotating the hand throttle either towards the rider or away.



Braking

21. To brake, release the hand throttle and depress the hand brake levers (on the left/right side of the handlebars). (Fig.7)

Starting/Shutting down

22. Gradually decrease the engine speed to idle and press the kill switch button on the handlebar tube. (Fig.8) This will turn the engine OFF.



**FOLDING AND STORAGE**

When you are done riding the XG505 you can fold it down for compact storage and transportation. To fold down the XG505, use one hand to push down on the folding while gently pushing down on the handlebars. **BE CAREFUL NOT TO HIT YOUR HEAD WITH THE HANDLEBAR.** Push down until you feel the mechanism lock into down position.

**\*NOTE: If the lever is pulled aggressively, the locking spring may become stretched and then the steering will not lock into position, it is also advisable to ensure scooter locks firmly, prior riding.**

You can now carry the XG505 by the handlebar tube.

## **OPERATING PROCEDURES**

### **Fuel**



#### **WARNING!**

This is a two-stroke engine. Only run the engine on fuel, which is properly mixed with 2-cycle engine oil. Provide good ventilation when fueling or handling fuel.

- Always use gas with a minimum octane number of 90.
- Use 2-stroke engine oil only. Mix 32:1 (or 5%), gas/oil mixture.
- Never use multi-grade(10W/30) or waste oil.
- Always mix fuel and oil in a separate clean, gas safe container. Always start by adding half the amount of fuel, which is to be used. Then add the whole amount of 2-cycle oil. Mix (shake) the fuel container. Add the remaining amount of fuel. Mix or shake thoroughly before filling the fuel tank.

### **Fueling**



#### **WARNING!**

- Always shut the engine off before refueling.
- Slowly open the fuel tank, so that possible over-pressure disappears.
- Before fueling, clean the tank cap area carefully, to insure that no dirt falls into the tank. Make sure that the fuel is well mixed by shaking the container.
- Tighten the fuel cap carefully, after fueling.
- Always move the unit at least 10 feet from the fueling area before starting.

### **Starting**

Your scooter comes with an electric start. For this feature to function, you must first plug the scooter into the supplied charger and charge the battery for 4-6 hours. Otherwise, your electric start will not operate and you must manually start the scooter utilizing the pull start method.

#### **1. Electric Push Start Method:**

- a. Set the CHOKE LEVER to the CLOSED (UP) position.
- b. Using your left hand, depress the left hand brake and hold it.
- c. Use your right hand and press the electric start button located next to the hand throttle.
- d. Once the engine is running, move the CHOKE LEVER to the RUN (DOWN) position.

#### **2. Pull Start Method:**

- a. Set the CHOKE LEVER to the CLOSED (UP) position.
- b. Pull the pull starter handle briskly, making sure to keep the handle in your grasp, and not allowing it to snap back.
- c. Once the engine is running, move the CHOKE LEVER to the RUN (DOWN) position.

### **Note!**

At this stage, if the engine does not start, repeat the starting procedure.

- After starting the engine, allow the engine 2-3 minutes to warm up prior to riding.

### **Stopping**

- Gradually decrease the engine speed to an idle speed and press the stop switch on the handlebar tube.

## **MAINTENANCE**

### **RECOMMENDED TOOLS**

To adjust and service the X-Treme XG505 you will need the following tools:

- Allen Wrenches: 3,4,5,6 mm.
- Wrenches: 10,11,13 mm Open and ring combination.
- Short reach Spark Plug Socket
- Large Adjustable Crescent Wrench
- Spark Plug Sockets
- Philips & Standard Head Screwdrivers
- Oil, Grease or Lubricant (such as WD-40)

### **CARBURETOR ADJUSTMENT**



#### **WARNING!**

**Never start the engine without the complete clutch cover assembled! Otherwise the clutch can come loose and cause injuries.**

**In the Carburetor, fuel is mixed with air. When the engine is tested at the factory, the Carburetor is basically adjusted. Further adjustment may be required from time to time, depending on climate and altitude.**

The Carburetor has two possible adjustments:

1. Idle speed adjustment
2. Air/Fuel Mixture adjustment



Note: Standard idle RPM is about 2500-3000RPM.

#### Idle Speed Adjustment

1. Start the engine.
2. Using a long, Philips head screwdriver gently turn the top screw clockwise until the XG-550 starts to move forward.
3. Then back out by turning the screw counterclockwise until the XG-550 stops.

\*Correct idle speed is obtained when the engine runs smoothly just below the RPM when the XG-550 starts to move.

#### Air/Fuel Mixture Adjustment

1. Start the engine.
2. Using a long, standard screwdriver and while holding the throttle wide open, turn the bottom screw (with spring) clockwise as far as possible, then back out 1 & ¼ to 1 & ½ turns until the engine runs smoothly.



## **WARNING!**

**When the engine is idling, under no circumstance should your XG505 be moving.**

**If the XG505 continues to move after idle speed adjustment, contact X-Treme or your local X-Treme service center.**

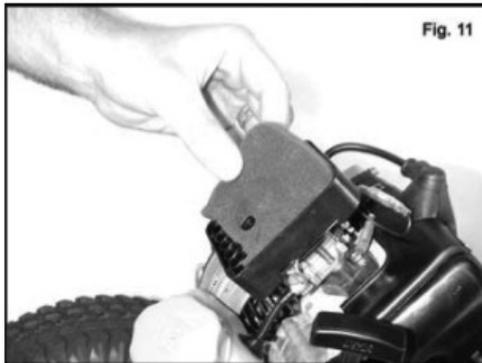
### Cleaning the Air Filter

It is a good idea to occasionally clean the air filter to insure optimum performance.



#### To clean the air filter:

1. Using a Philips head screwdriver, remove the carburetor cover by turning the cover screw counter clockwise. (Fig.10).
2. Remove and clean the air filter (the spongy material on top of the air intake), with a damp rag. (Fig.11).
3. Put the air filter back into its original position and replace the cover.



## **BRAKING SYSTEM**

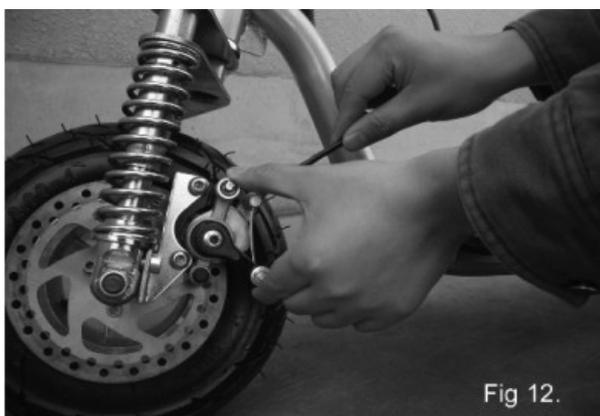
The XG505 uses both a front wheel disc/caliper system activated by a hand brake lever on the side of the handlebar. Squeezing the hand brake lever with your left hand activates the front brake. Squeezing the hand brake lever with your right hand activates the rear brake. Make sure to release the HAND THROTTLE GRIP when engaging the brakes.

Practice braking on a smooth, dry surface to get used to the feel of the braking system. Braking distance is affected by wet conditions and loose and uneven riding surfaces.

### Adjusting the Brakes.

The Brakes on the XG505 should come fully adjusted from the factory.

However, it may be necessary to adjust the brake from time to time.



To adjust the brakes:

1. With one hand, depress the brake caliper using your thumb and forefinger (Fig.12).
2. With the other hand, adjust the tension screw on the brake line.
  - a. Turn the tension screw clockwise to loosen the brake.
  - b. Turn the tension screw counterclockwise to tighten brake.

### Squeaky Brakes

The brakes may squeak before they are broken in. This is normal and will not affect the function or performance of the brakes. With continued use the squeak should go away.

## **TIRE AND WHEELS**

The X-Treme XG-505 uses an identical rim and tires assembly on the front and rear wheels, which means that the tires can be rotated. The wheels are actually two wheel halves (split rim) bolted together to make it easier to remove and replace the tire and tube.

The rear wheel is fitted with a special spacer to accommodate the chain sprocket, while the front wheel has a bracket for the disc brake.

Tire wear will differ based in rider weight, riding conditions and care. Replacement tires can be obtained at your local X-Treme dealer, through motorcycle shops, or from the X-Treme website at [www.x-tremescooters.com](http://www.x-tremescooters.com)

### Tire Pressure

The tire must be inflated to a maximum of 50 P.S.I.. It is also recommended to use a tube additive like **Slime** available from any motorcycle shop, to avoid inconvenient punctures.

Empty all air from the tire, prior to losing the bolt to split the rim.

## ADJUSTING THE HEAD UNIT

The head unit will should come adjusted from the factory. However, riding on rough terrain and general use may cause the head unit to become loose over time. It may be necessary to adjust the head unit from time to time.



To adjust the head unit:

1. Rotate the handle bar as far right as it will go to expose the HEAD UNIT (Fig.13).
2. Using a large adjustable wrench, gently turn the BEARING LOCK clockwise to tighten. \*DO NOT OVER TIGHTEN OR IT WILL DAMAGE THE BEARINGS.

## ADJUSTING THE CHAINS

The chains will come adjusted from the factory. However, it may be necessary to adjust the sprockets from time to time. The chain must be well aligned with the sprockets otherwise they may start to rub and chafe. Which will result in shortened chain life.

### How tight should the chain be?

- If the chain is skipping or jumping on the pulley teeth, it is too loose and may be harmful.
- If the chain is making a humming sound when the wheel is turning, it is too tight and may cause the chain to snap.
- The correct tension is achieved by adjusting the chain from its loose position to when it becomes lightly tense.



To tighten the chains:

Slightly loose the two Axle bolts on both sides of the rear wheel. (Fig.14). Then slowly adjust the two adjusting screw on each side of the rear tire (Fig.15) until belt reached the proper tension.



Occasionally rotate the rear wheel to make sure belt is aligned. Finally lock and tighten the rear axle bolts prior to riding.

## **MAINTENANCE SCHEDULE**

Proper care of your X-Treme X-505 will insure optimal performance and longer life span. The following are a few maintenance suggestions that will keep your X-Treme XG-505 running in top condition:

### Daily Maintenance

Perform each time you ride your XG-505

- Clean the exterior of the unit with a soft, damp rag.
- Check that all nuts and bolts are securely tightened.

### Weekly/Monthly Maintenance

- Check the pull starter, especially the cord and return spring.
- Remove the spark plug and check the electrode gap. Adjust it to 0.6mm, or change the spark plug.
- Clean the cooling fins on the cylinder head and check that the air intake at the starter is not clogged.
- Clean the air filter.

## **OTHER QUESTIONS**

For additional questions or technical assistance, go to [www.x-tremescooters.com/support/](http://www.x-tremescooters.com/support/)

**Thank You for purchasing a X-Treme XG-505. Please tell your friends about how much fun you had on the X-Treme XG-505**

**For General Information or Parts Visit**

<http://www.x-tremescooters.com/>

**For Technical Support or Assistance Visit**

<http://www.x-tremescooters.com/support/>