

# SET-UP INSTRUCTIONS FOR GTR INTERCEPTOR 250

## TOOLS NEEDED

Floor jack  
Needle nose pliers  
Protective gloves  
Metric wrench and socket set  
Flat head screw driver  
Phillips head screw driver  
Adjustable wrench

### 1. LIFT THE KART

In order to assemble the front suspension and steering the unit must be lifted high enough to put the front tires on it. Place a floor jack under the front of the unit in the center and lift the kart.

### 2. FRONT TOP A-ARM

- Insert top a-arms into top front suspension mounts with the grease fittings pointing upwards. The top a-arms are the shortest a-arms. The mounting brackets are located both in front and behind of each front blinker.
- Tighten bolts with 13mm and 14mm wrench.



### 3. FRONT BOTTOM A-ARM

- Insert bottom a-arms into bottom front suspension mounts with the grease fittings pointing downwards. The bottom a-arms have shock mount brackets. The mounting brackets are located underneath the floorboard.
- Tighten bolts with 13mm and 14mm wrench.



### 4. FRONT SHOCK

- Place the bottom eye hole of the shock into the shock mounts on the bottom a-arms & insert bolt.
- Place the top eye hole of the shock into the shock mount located on the frame and insert bolt.
- Tighten bolts with 13mm and 14mm wrench.



### 5. FRONT STRUT

- On each end of the struts is a threaded stud. On the bottom of each stud you can see a square.
- Align each square of the threaded stud with that of the tabs on each a-arm. The squares of the stud and a-arms **MUST** be aligned.
- Be sure the steering arm on each strut is pointing towards the front of the unit.
- Tighten each castle nut with an 18mm wrench and **lock into place with a cotter pin and needle nose pliers**. The cotter pins are in a zip lock bag in the hardware box.
- Cap the top end of each stud with a provided rubber cap.



# SET-UP INSTRUCTIONS FOR GTR INTERCEPTOR 250

## 6. STEERING LINKAGE

- a. Attach each tie-rod end to the struts by inserting the ball joint studs into the steering arm of each strut.
- b. On each stud place flat washer, lock washer, tighten with 17mm wrench and **lock with cotter pin and needle nose pliers.**



## 7. FRONT BRAKE CALIPER

- a. Slide each brake caliper over the brake discs and align the mounting holes with those of each strut.
- b. Tighten bolts with a 10mm wrench.



## 8. FRONT WHEEL AND CAP

- a. In the hardware box you will find 4 chrome wheel caps. The smaller set will be used on the front. Also get out 8 acorn shaped lug nuts.
- b. Slide the wheel cap into the center hole of the wheel from the back.
- c. Place the wheel assembly into position by aligning the holes in the wheel with the lugs on the front hubs.
- d. Tighten the lug nuts with a 15mm socket. With the wheels off the ground you may not be able to tighten the lugs completely. **Lower the kart and tighten the lug nuts completely.**



## 9. HEAD LIGHT

- a. Place the front head lights in their mounts. Each mount is on either side of the front hood.
- b. Tighten with 10mm and 12mm wrench.



## 10. REAR BOTTOM A-ARMS

- a. Place the floor jack under the rear of the unit and lift off the ground.
- b. The rear bottom a-arm is the large a-arm without shock mounts.
- c. Insert bottom a-arms into bottom rear suspension mounts with the grease fittings pointing downwards.



**Finger tighten only.** It is easier to assemble the rear suspension without the bolts tight.

# SET-UP INSTRUCTIONS FOR GTR INTERCEPTOR 250

## 11. CV SHAFT

- a. Slide the female end of each CV shaft over the male end of each side of the center axle.
- b. Lock into place with lock ring. The lock ring should already be in place on each end of the center axle.

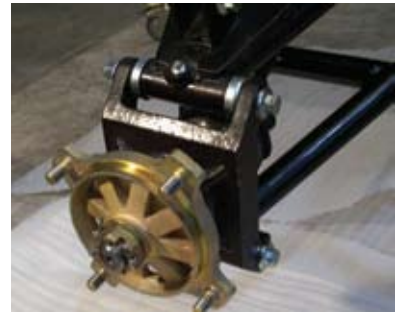
## 12. REAR TOP A-ARMS

- a. Insert top a-arms into top rear suspension mounts with the grease fittings pointing upwards. The top a-arms have shock mounts on them.
- b. ***Finger tighten only.***



## 13. REAR KNUCKLE

- a. Connect the rear knuckle to the rear suspension by inserting the outer ends of each a-arm into the top and bottom of the knuckle.
- b. Insert top and bottom bolt of the knuckle.
- c. With all suspension bolts in place tighten with 14mm and 17mm wrench.



## 14. REAR SHOCKS



- a. Place the bottom eye hole of the shock into the shock mounts on the top a-arms and insert bolt.
- b. Place the top eye hole of the shock into the shock mount located on the frame and insert bolt.
- c. Tighten bolts with 15mm and 17mm wrench

## 15. REAR WHEEL AND CAP

- a. In the hardware box you will find 4 chrome wheel caps. The larger set will be used on the rear. Also get out 8 acorn shaped lug nuts.
- b. Slide the wheel cap into the center hole of the wheel from the back.
- c. Place the wheel assembly into position by aligning the holes in the wheel with the lugs on the front hubs.
- d. Tighten the lug nuts with a 15mm socket. With the wheels off the ground you may not be able to tighten the lugs completely. ***Lower the kart and tighten the lug nuts completely.***



# SET-UP INSTRUCTIONS FOR GTR INTERCEPTOR 250

## 16. STUMP GUARD AND TRAILER HITCH

- Place the stump guard under the rear suspension box/ under the rear sprocket.
- Align the 4 holes of the stump with the holes on the frame.
- Be sure all bolts are in place** then tighten with 10mm and 12mm wrench.
- Place trailer hitch plate under trailer hitch mount. Align the 2 bolt holes, insert the 2 large bolts and washers and tighten with a 19mm and 21 mm wrench.
- Tighten ball with 24mm or adjustable wrench.



## 17. CARGO RACK

- Place a black rubber end cap on each mounting post of the cargo rack. There will be 6 in all. The black rubber end caps are in the hardware box. Also remove 6 black anodized bolts and washers.
- Hold the top section of the rack about 1" off the rear frame and start the rear bolts. Go ahead and tighten these rear bolts most of the way. This will prevent the heads of the bolts from scratching the frame.
- Insert the remaining bolts and washers and tighten with a 10mm wrench. **Be sure all bolts are started before tightening.**



## 18. TAIL LIGHT

- Insert the mounting bolts of the tail light into the tail light bracket located under the cargo rack.
- Tighten with a 10mm wrench. **Be sure not to over tighten.**



## 19. FRONT FENDERS

- Place the fender brackets over each strut above the steering arm.
- Start each bolt first** then tighten with a 10mm and 12mm wrench.



# SET-UP INSTRUCTIONS FOR GTR INTERCEPTOR 250

## 20. REAR FENDERS

- a. Behind each seat is a mounting post for the rear fenders.
- b. Align the holes and slots of the fender bracket with those of the mounting post.
- c. Tighten with 10mm wrench.



## 21. SEATS AND SEAT BELTS

- a. Remove the seat hardware from the hardware box. This will be the silver bolts, nuts and washers.
- b. The seat belts are shipped bolted together. It is easier to install the seat belts with them separated.
- c. Start on the driver side by bolting the outer end of the seat belt to the seat belt mount located behind the driver seat and in front of the rear fender.
- d. With the driver seat turned upside down, slide the seat adjusters all the way back.
- e. Put the seat in place by aligning the front brackets and rear holes.
- f. Insert a bolt in each hole from **top to bottom** leaving the head of the bolt in the seat adjuster track.
- g. You will have to hold the top of the bolt with a flat head screw driver. Wedge the flat head screw driver between the bolt head and the seat adjuster track and tighten with a 12mm wrench.
- h. Feed the seat belt through the holes in the top of the seat.
- i. Bolt the top seat belt bracket to the seat belt mount located directly behind the drivers head.
- j. Follow the same steps with the passenger seat. The bolts for the passenger seat will be inserted from bottom to top because the passenger seat does not have an adjuster.
- k. Tighten the passenger seat bolts with a 10mm wrench.
- l. Tighten the seat belt bolts with a 14mm and 19mm wrench.



# SET-UP INSTRUCTIONS FOR GTR INTERCEPTOR 250

## 22. BRUSH BARS

- a. Place the main bars in proper location by inserting the open ends over the bar mount posts on the frame. The bar mounting posts for the main bars are at the hood and behind the seat.
- b. From the hardware box remove the remaining black anodized bolts, washers and lock nuts.
- c. On each end of the main bar cage place 1 bolt, 2 washers and 1 lock nut. ***Finger tighten only. Do not tighten any bolts for the brush bars until all bolts are in place.***
- d. Place each shoulder bar over the shoulder bar mount posts on the frame. These posts are on each arm rest.
- e. Align the top of the shoulder bars with the holes in the main bars and insert bolt and washer and finger tighten. At the bottom of each shoulder bar insert 1 bolt, 2 washers and 1 lock nut and finger tighten.
- f. Place the top cross-bar between the main bars with hoop pointing towards the front of the kart. Align holes of the top cross bar with holes in the main bars.
- g. Insert a bolt and washer in each hole and finger tighten.
- h. Place the bottom cross-bar between the main bars toward the rear of the kart just above the back of the seats. Align holes of the bottom cross-bar with the holes in the main bars.
- i. Insert a bolt and washer in each hole and finger tighten.
- j. With all members of the brush bar in place, tighten with a 10mm and 12mm wrench.



## 23. REAR VIEW MIRROR

- a. From the hardware box remove the rear view mirror. The rear view mirror will be in a small white box.
- b. With a Phillips head screw driver, remove the screw in the mounting hole of the mirror.
- c. Remove black metal clip and discard.



Phillips head screw

Black metal clip

- d. From the white box remove the chrome spacer and Phillips head screw.



# SET-UP INSTRUCTIONS FOR GTR INTERCEPTOR 250

## 24. BATTERY

- a. Put on protective gloves
- b. Remove red strip covering acid ports from battery.
- c. Place funnel into acid ports on battery. Press acid container firmly into funnel allowing acid to flow into battery.
- d. Let acid settle in battery for about 10 minutes.
- e. Place black cap into acid ports and press firmly to secure.
- f. Let battery charge on 15A for about 30 minutes.
- g. Remove electric box cover from behind driver seat.
- h. Place battery into electric box.
- i. Place rectangular nuts under each pole of the battery.
- j. Bolt the green cable to the – pole and the red cable to the + pole.
- k. Secure battery with rubber strap and reinstall electric box cover.



## 25. ENGINE OIL

- a. Remove the dipstick from engine and wipe clean
- b. Place the dipstick back into engine but ***do not tighten.***
- c. Remove dipstick and check oil level.
- d. If oil does not cover the marked portion of the dipstick, add oil.
- e. The engine holds approximately 1.2 liters.



# SET-UP INSTRUCTIONS FOR GTR INTERCEPTOR 250

## 26. FILLING THE COOLING SYSTEM WITH COOLANT

*It is very important that you do not just fill the radiator and reservoir with coolant and begin to ride the unit. The cooling system MUST have all the air bled from it or the system will not cool the engine.*

- a. Remove the radiator filler cap and by-pass hose from the by-pass valve.

Radiator filler cap



By-pass hose



- b. With the engine running at idle fill the radiator with coolant. Fill the radiator until coolant comes out of the by-pass valve. When ONLY coolant comes out of the by-pass valve and there are no air bubbles in the coolant, reconnect the by-pass hose.



- c. Continue to fill the radiator until the coolant level reaches the top of the radiator neck where the cap goes. After several minutes of idling the coolant level will drop. Refill the radiator to the same level and monitor for several more minutes for air bubbles. If the coolant level drops again, refill. Once the coolant level is stable and you no longer see air bubbles, screw the radiator cap back on and fill the reservoir to the appropriate level.

Carter Brothers Mfg. Co., Inc.

[www.carterbro.com](http://www.carterbro.com)

P: 800.523.5278 F: 334.735.3500

1871 US Hwy 231 - Brundidge, AL 36010