

ASSEMBLY INSTRUCTIONS

USER MANUAL



www.gokartsonline.co.za

GO KART REGISTRATION

(To be recorded at original date of purchase)

PURCHASER: Name & Address

DATE OF PURCHASE:

GO KART ID CODES:

MODEL NO: _____

ENGINE NO: _____

(Imprinted in engine case behind seat)

FRAME NO: _____

(Located on rear frame near brake)

COLOUR: _____

CONGRATULATIONS..

You are now the proud owner of a Drift Go Kart.

Remember: This is a motorised vehicle and not a toy.

If instructions are not followed there is a possibility of personal injury or equipment damage.

SPARE PARTS LIST	
Front Connecting Arms L/H and R/H	Brake pads disc
Short tie rod	Chain drive sprocket
Long tie rod	Chain
Front wheel hub	Chain guard
Dust cap	Left hub chain
Steering wheel	Right hub brake
Steering column	Rear wheel hubs
Steering column with fittings	Axle bearings
Bottom plate	Bearing bracket
Steering Handle assy complete	Rear axle shaft drift
Throttle handle/ Brake handle	Rear axle shaft caged
Throttle cable	Petrol tank
Kill switch wiring	Fuel cap
Kill switch on/off	Exhaust
Clutch (Centrifugal)	Air filter
Clutch spring	Ignition system
Carburetor	Front frame
Shock absorber	Front bumper
Pull start	Seat
Wheel rim drift go kart	Seat cover vinyl
Wheel rim caged go kart	Seat cover padded
Tyres drift	Seatbelt –Lap
Tyres caged	Harness seat belt (3 point)
Drift tyres & rims complete	6.5 hp Engine centrifugal clutch
Hydraulic brake unit complete	6.5 hp Engine wet clutch
Hydraulic brake pads	NGK sparkplug—BPR5ES
Hydraulic brake bracket	Brake disc plate

IMPORTANT—PLEASE READ CONDITIONS OF USE SAFETY DISCLAIMER

All our karts are off road leisure go karts and as no safety standards are available, driving is at your own risk.

Neither the manufacturer, Tonaro SA, sales agents or distributors are liable for personal or other damage neither to participating or non participating persons. At delivery the owner takes full responsibility for the kart and use of the kart.

The owner at time of purchase assumes all risks associated with the use of the go kart and agrees to these terms of use.

Ensure that the person driving is of an age, size and has the necessary skills and experience to drive the kart safely.

Ensure that the go kart is used in the appropriate environment and conditions present allow safe operating of the go kart to the driver and all non drivers.

These go karts are not designed for jumping, racing, or performing any abrupt spin out manoeuvres.

They are not designed for steep or uneven terrain or for use on public roads. Please use on safe terrain, which you are familiar with.

Failure to adhere to these warnings may result in accidents and serious injury.

Drivers under 16 must do so only with the permission of their parents./ guardian. Younger children must be accompanied by an adult at all times.

Please refer to Drift 2 User Manual and Engine Owners Manual supplied by manufacturer for additional information and troubleshooting.

*Thank you for Buying a Drift Go Kart
from Tonaro SA.*

PLEASE read all instructions and manuals prior to assembling go karts. **PLEASE** ensure you watch **DVD** provided either on your computer or dvd player. Please continue reading user manual so you understand the go kart to ensure many years of safe and fun family enjoyment. Troubleshooting chart is located at the back of this manual. See engine manual for engine maintenance and inspection.

CAUTION

BEFORE USE: Please ensure you add engine oil to the engine oil reservoir. These engines are four-stroke. You must also add oil to the clutch reservoir. (see image below)

Engine oil capacity 600ml: Use Castrol GTX 20W50. The engine oil reservoir is lower to the ground than the wet clutch reservoir and has a small dipstick.

Clutch oil capacity 300ml: Recommended oil for clutch: Castrol 4T 10W-40 These go karts have a wet clutch so require oil to be added to clutch. The wet clutch unit is closest to the chain guard and has the larger dipstick.



Fig 1. Wet clutch reservoir Add 300ml oil

WARRANTY

PETROL: We recommend 95 unleaded. Do not overfill petrol tank.

NEVER MIX FUEL and OIL.

If transporting your go kart, turn the fuel valve off to prevent spillage and engine flooding.



**Fig 2. Oil for Engine 600ml
Castrol GTX 20W50**



**Fig 3. Oil for Clutch 300ml
Castrol 4T 10W-40**

WARNING: The exhaust becomes hot during operation and remains hot for a while after stopping the engine. Be careful not to touch while it is hot. Ensure children are aware of this. Please supervise to prevent severe burns.

1. Please read manufacturers handbook and all instructions supplied by Tonaro SA before assembling your go kart. Damage caused by failing to follow correct instructions will not be covered by warranty.
 2. After assembling, please retighten all nuts and bolts and double check all parts are secure and operating correctly.
 3. Before starting the engine, ensure correct type and quantity of engine oil and wet clutch oil has been used.
 4. Oil the chain with chain lube before use and on a regular basis. Follow all maintenance instructions.
 5. Use unleaded 95 fuel only.
 6. Once the engine has been started, allow to warm up for 2-3 minutes before test driving.
 7. Do not allow the engine to operate at low revs as this may overheat and damage the clutch. This warranty does not cover damage to the clutch through overheating. Over heating may be caused by incorrect driving habits such as driving too slowly (revs too low), stop and go driving, driving with the brake engaged and restricting the throttle. Driving in confined or limited areas will damage the clutch.
 8. Test ride and notify us immediately if there is a fault found with the go kart.
 9. Do not attempt to do any repairs without contacting us first as this will void warranty.
 10. We will replace parts that are damaged or defective.
 11. Product warranty does not cover damage due to misuse or abuse.
 12. The warranty is voided if the go kart is modified in any way, overloaded, leased or rented. Also if improperly maintained, serviced or repaired. Any damage due to accidents, or through negligence, used to perform stunts, jumps or any other misuse.
 13. Tonaro SA warrants this go kart to be free of manufacturers defect for a period of 60 days from the original date of purchase.
 14. This warranty does not cover wearing of parts including but not limited to the clutch, tyres, and brake pads.
 15. This warranty does not cover damage or failure due to inadequate maintenance or neglect by owner.
 16. This warranty does not cover physical damage or failure due to overloading, misuse or reckless operating behaviour.
 17. This warranty is available to the original purchaser.
 18. If there is a defect in workmanship or material during the warranty period, we will repair or replace.
 19. This warranty does not cover: normal wear and tear, damage caused by abuse or neglect, overheating or overloading, corrosion, unauthorised modifications or alterations, damage caused by incorrect fuel, oil or lack of it, consumables including tyres, spark plugs, bearings, brake pads, clutch assembly, brake or throttle cables, air filter.
- If the product requires repair/inspection by an approved/authorised dealer or mechanic, it is the customer's responsibility to deliver the product to the place of repair/inspection, and to arrange for collection. If the repair/fault is not covered by warranty, the customer shall pay for all costs related to the repair and inspection.

TROUBLESHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	ACTION/SOLUTION
Engine Stops and won't start	1.Bad coil assembly. 2.Air cleaner is dirty and dusty.	Replace coil cap. Clean, shake all dust out. Replace. Never run engine without air cleaner.
Go Kart moving or creeping forward, or wanting to take off	1.Throttle cable engaged.	Check for kinks, Ensure the inner wire cable is moving freely within the black casing. Check the throttle lever is springing back to off position.

PLEASE NOTE:

These Go Karts are not designed for 4WD Tracks, steep hills, rocky or very uneven terrain. They are essentially a grass drift go kart. Damage may occur when used in unsuitable terrain & we hold no liability if the go kart is not adequately maintained or used inappropriately.

Please do not tow with these karts as clutch may overheat and cause damage.

Running the karts for long periods of time at low revs can also cause damage to the clutch.

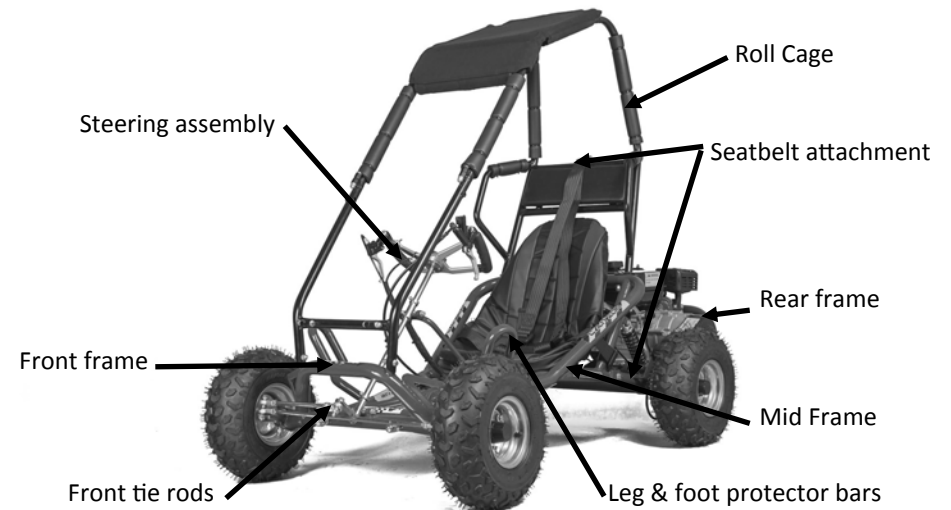
Although the karts can be easily governed for younger children or inexperienced riders, this should only be a temporary adjustment.

Please ensure all bolts/nuts including pre-assembled parts are tight and secure before use.

Check on a regular basis, especially during the running in period as they can vibrate loose.

We recommend lock tight for extra security especially when go kart is used on uneven terrain.

Fig 4.Ultimate Drifta Go Kart 200cc



ASSEMBLY INSTRUCTIONS

Please view DVD for detailed instruction.
We have made a list of some handy tips to assist you with assembling your Go Kart. .

1. Firstly, connect the front frame with the middle frame. Bolt securely.
2. Connect the rear frame and suspension springs to main frame. Connect rear frame loosely as later you will need to bolt the seatbelt here.
3. We recommend using lock tight as the nuts can become loose over time with the vibration. Regularly check and tighten nuts and bolts.
4. Check pre-assembled nuts and bolts as these have been found to be loose. It is the buyers responsibility to check these are all secure before using the go karts.
5. Connect steering column and fully extend to the highest position Tighten collar clamps using larger allen key provided.
6. Connect hydraulic brake handle to left steering. Use smaller allen key provided to tighten handle bracket. (Fig.8) Keep cable on inner side of the outside frame & between the wishbone below steering. Make sure you remove small black plastic tongue on the brake handle. Use a pair of nose pliers to remove this.
7. Release throttle cable & on/off wiring cable on steering. Run through wishbone of steering with brake cable. Run cables along brake side of go kart; keep on the inner edge of frame. (Fig.5)
8. Connect the on/off switch wiring running from steering to the earth on the petrol tank. (Fig.6)
9. The air filter needs to be removed before attaching throttle cable to lever on motor. Undo both wing nuts to remove unit. Run throttle cable to lever on back of motor. Remove small screw on bolt. Carefully insert cable wire through hole. Replace screw & tighten screw to hold cable wire in place. Be careful not to damage wire inner cable as this needs to move freely. (Fig.7)
10. Use cable ties to neatly tie to frame. Make sure all cables are free of acute angles & operate freely.
11. **Roll cage assembly:**
12. Unwrap all framing, extra bolts and padding. Place bolts, nuts in a neat pile.

TROUBLESHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	ACTION/SOLUTION
Engine Stalls Engine backfires Running Poorly Hard to Start Cuts Off	1. Spark Plug fouled/carbon deposition. 2. Fuel too low. 3. Make sure kill switch is not engaged. 4. Check choke to see if it is open. Too much choke will flood engine. 5. Fuel line/ hose.	Clean spark plug. Install a new spark plug. Recommend: BPR5ES. Fill fuel tank: min 1/3. Do not overfill. Check fuel switch is on. If motor is warm you will not need choke. Check spark plug is not wet from the petrol flooding the plug. You may need to dry the plug out or replace. Make sure fuel line has no kink re-
Chain Falls Off	1. Chain Sprockets not aligned. 2. Chain too loose. 3. Excessive chain wear or stretch.	Align Sprockets. Check sprocket on clutch and bolt holding clutch onto shaft. Adjust chain tension. Motor may need sliding back on adjustable mount. Replace chain.
Difficulty Braking Making Grinding noise	1. Brake pads worn out. 2. Hydraulic brake fluid low.	Replace brake pads.
Kill switch not working	1. Kill switch wire plug in connector separated at the engine. 2. Wire end terminal has come loose from the engine.	Check connection. Push together. Re install or tighten screw holding wire end to engine case.

MAINTENANCE PROCEDURES

1. **Please** also refer to and follow manufacturers instructions.
2. **Please** refer to engine manual for engine maintenance and inspection.
3. **After** use, clean/ wash the go kart and regularly use WD40 or CRC.
4. **This** will enable you to examine your kart for any potential problems or adjustments that need to be made.
5. **Clean** air filter regularly from dust.
6. **Keep** chain lubed. Spray with chain oil regularly.
7. **Lubricate** wheel bearings and moving parts regularly.
8. To drain oil, there is a sump bolt at the back and under the motor.
9. **Do not allow** the engine to operate at low revs for long periods as this may over heat and damage the clutch.
10. **Ensure** wet clutch contains sufficient oil or else damage will occur.
11. **We** recommend NGK sparkplugs BPR5ES or BPR6ES
12. **Please take care of your go kart.**
13. Place back frame on. Bolt on loosely as this is where one point of the safety harness will be attached at the end of assembly.
14. Position left and right front upright bars and connecting bar between the two onto front frame.
15. Line up holes and place bolts, washer, attach bolts loosely.
16. Add remaining frame and connect to back frame. Bolt and tighten all bolts.
17. Double check all bolts on the roll cage are tight and attached to main frame.
18. Wrap padding around roll cage and cable tie in place. Cover with sun cover.
19. Place seat on and attach harness seat belt to main frame.
20. Ensure tyre pressure is at 18 – 20 psi in all tyres. Do not let down. This may result in the rims digging in to the ground when cornering, and the kart rolling.
21. Fill engine with approximately 600ml oil 20W50 or 10W40. Fill from behind the seat
22. Fill Wet Clutch with correct type and amount of oil .Oil Capacity 300ml. Recommended Oil: Castrol 4T 10W-40(part synthetic based). If insufficient oil is added the clutch will be damaged.
23. Fill with 95 unleaded petrol.
24. To Start – Ensure Fuel lever on.
25. Set choke to on position. Once started move choke into run (front) position . When starting go kart for the first time it may be necessary to pull the starter handle 4-5 times. Do not allow pull start to snap back, Return it gently to prevent damage to the starter.
26. After engine is started, let it warm up for 2-3 minutes before riding.
27. Please take the time to ensure the go kart has been assembled correctly, and all controls are operating correctly.

Please view DVD prior to assembling and using your go kart. This will ensure you have assembled your go kart correctly and added correct amount of oil to the engine and wet clutch unit.

SAFETY RECOMMENDATIONS

PLEASE FOLLOW THESE INSTRUCTIONS

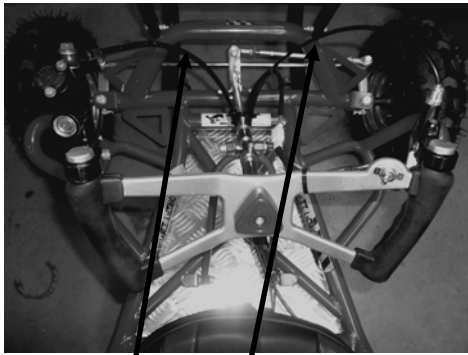


Fig 5. Brake & throttle cables on steering assembly.

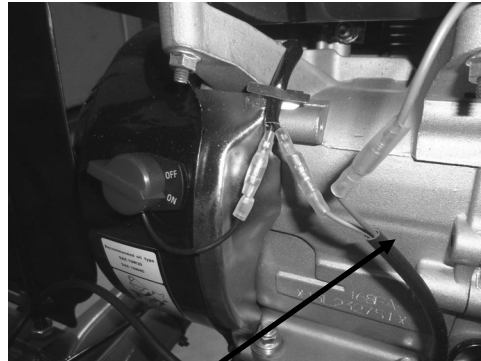


Fig 6. On/off switch wiring connected to earth below petrol tank

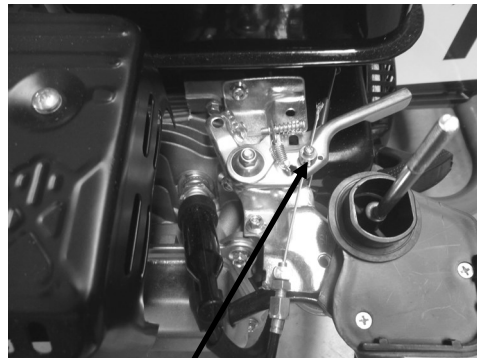


Fig 7. Position of Throttle cable on motor. Remove air filter to attach.



Fig.8 Hydraulic brake clamp attachment to steering wheel. Use allen key to tighten.

1. **Spent** time and explain carefully to young children and inexperienced riders how to operate go karts.
2. **Drivers** under 16 years of age must only operate the go karts with the permission of their parents/guardian.
3. **Younger** children should be accompanied by an adult at all times. This applies to participating and non-participating persons.
4. **Children** under 16 years of age must always be closely and actively supervised.
5. **Never** permit anyone to operate the go kart without proper instructions.
6. **Ensure** seatbelts and safety helmets are **ALWAYS** worn.
7. **Explain** clearly use of the throttle and brake handle, and the kill switch.
8. **Always** make a pre-operation inspection before you start the engine. This is essential and may prevent an accident or equipment damage. It is advised to place the rear of the kart on blocks so the wheels spin freely to enable you to check controls adequately.
9. **Once** the engine has been started, go over all controls and ensure they are operating effectively and make adjustments accordingly. Allow engine to warm up for up to 2 or 3 minutes before riding to help prevent spark plug fouling up.
10. **Check** brake and throttle cables are adjusted correctly and there are no kinks.
11. **Ensure** ALL bolts and nuts are tight and secure. Check regularly.
12. **Check** tyre pressure regularly. Recommended tyre pressure is 18-20 psi.