



# *Zone 7 Dirt Karting Rules*

# 2022

ZONE 7 DIRT KARTING RULES – 2022 FINAL	REV.03..... 2022/03/17	WRITTEN: APPROVED:	Vicki Laubscher Johann Spies / Johan van Zyl
---	------------------------	-----------------------	---

## TABLE OF CONTENTS

<b>1.</b>	<b>DEFINITION:</b> .....	5
<b>2.</b>	<b>CLUB MEMBERSHIPS</b> .....	5
<b>3.</b>	<b>GENERAL RULES</b> .....	5
3.1.	OVERVIEW:.....	5
3.2.	RULES FAMILIARITY: .....	5
3.3.	RESPONSIBILITIES: .....	5
3.4.	ABUSE: .....	6
3.5.	PITCREWS.....	6
3.6.	ALCOHOL AND DRUGS .....	6
3.7.	VISITING DRIVERS .....	6
<b>4.</b>	<b>GENERAL RACING RULES</b> .....	7
4.1.	COURSE MARKINGS: .....	7
4.2.	SPORTSMANLIKE DRIVING: .....	7
4.3.	SIGNALING: .....	7
4.4.	ENGINE ADJUSTMENTS WHILE DRIVING:.....	7
4.5.	EXITING KART: .....	7
4.6.	NEW DRIVERS:.....	7
4.7.	WARMING OF TYRES:.....	7
4.8.	LAPPED KARTS: .....	8
4.9.	STOPPING ON COURSE: .....	8
4.10.	RE-ENTRY TO COURSE:.....	8
4.11.	SUBSTITUTE DRIVER:.....	8
4.12.	COMBINING CLASSES:.....	8
4.13.	ATTITUDE: .....	8
4.14.	ENTRANT RESPONSIBILITY: .....	8
4.15.	NO KART PASSENGERS:.....	8
4.16.	NO GO AREAS: .....	8
4.17.	HELMETS: .....	8
4.18.	INSPECTION:.....	8
4.19.	ADDITIONAL INSPECTION:.....	8
4.20.	Clerk of the Course (COC) may disqualify a kart for safety reasons.....	9
<b>5.</b>	<b>SCRUTINEERING</b> .....	9
5.1.	SCRUTINEERING PROCESS.....	9

<b>6.</b>	<b>COMPULSORY DRIVERS MEETING</b> .....	9
<b>7.</b>	<b>PIT REGULATIONS</b> .....	10
<b>8.</b>	<b>FLAGS AND WARNINGS</b> .....	10
<b>9.</b>	<b>SAFETY EQUIPMENT</b> .....	12
9.1.	HEAD GEAR:.....	12
9.2.	EYE PROTECTION: .....	12
9.3.	NECK BRACES:.....	12
9.4.	DRIVER APPAREL:.....	12
9.5.	GO-PRO CAMERAS/HELMET CAMS:.....	13
<b>10.</b>	<b>RACE DAY SPECIFICATIONS</b> .....	13
10.1.	EVENT FORMAT .....	13
10.2.	POINT SYSTEM.....	13
10.3.	START OF THE RACE .....	14
10.4.	RACE SAFETY .....	14
<b>11.</b>	<b>DRIVING REGULATIONS</b> .....	14
11.1.	COMPETITION DRIVING: .....	15
11.2.	DRIVING DIRECTION .....	15
11.3.	FIRST LAP.....	15
11.4.	<b>MINIMUM ENTRIES:</b> .....	15
11.5.	<b>MAXIMUM ENTRIES:</b> .....	15
11.6.	STOPPING OF A VEHICLE DURING THE RACE BY THE COMPETITOR .....	15
11.7.	RACE DISTANCE .....	15
11.8.	RACE END.....	16
<b>12.</b>	<b>INCIDENTS</b> .....	16
<b>13.</b>	<b>PROTEST</b> .....	16
13.1.	PROTEST PROCEDURE.....	16
13.2.	THE RIGHT TO PROTEST .....	16
13.3.	WHO MAY LODGE A PROTEST?.....	16
13.4.	WRITTEN PROTEST .....	16
13.5.	HOW DOES LODGING A PROTEST WORK? .....	16
13.6.	SINGULAR PROTEST REQUIREMENT.....	17
13.7.	PROTEST PROCEDURE PROCESS.....	17
13.8.	OUTCOME .....	18
13.9.	PRIZE-GIVING IN THE EVENT OF A PROTEST BEING LODGED .....	18
<b>14.</b>	<b>GENERAL KART SPECIFICATIONS:</b> .....	19
14.1.	FRAME .....	19

14.2.	ROLL CAGE .....	19
14.3.	FLOOR PAN AND SEAT .....	19
14.4.	REAR BUMPER.....	19
14.5.	FRONT BUMPER .....	19
14.6.	WHEELS AND TYRES .....	19
14.7.	AXLES AND HUBS.....	20
14.8.	STEERING .....	20
14.9.	BRAKES .....	20
14.10.	CHAIN GUARD .....	20
14.11.	FUEL SYSTEM.....	20
14.12.	BODYWORK.....	21
14.13.	EXHAUSTS .....	21
14.14.	STEERING FAIRING (BIB) .....	21
14.15.	SIDE PANELS / PODS .....	21
14.16.	NUMBERS AND NUMBER PANELS .....	21
14.17.	ELECTRICAL .....	22
<b>15.</b>	<b>ENGINE RULES &amp; CLASS RULES .....</b>	<b>22</b>
15.1.	NEWBIE CLASS: 160/200cc STANDARD.....	23
15.2.	JUNIORS: 160/200cc STANDARD .....	25
15.3.	JUNIORS: 160CC / 200CC PRO .....	27
15.4.	270CC CLASS.....	29
15.5.	390CC STANDARD - LADIES .....	30
15.6.	390CC STANDARD CLASS.....	32
15.7.	390CC MODIFIED CLASS.....	34
15.8.	300cc CLASS .....	35
15.9.	300cc WINGS.....	36
15.10.	SUPERMODS: .....	38
15.11.	WING KARTS: A .....	39
15.12.	BEETLES 680CC.....	41
15.13	OPEN CLASS .....	<u>42</u>

## INTRODUCTION

This document contains the competition regulations, specifications, and racing procedures of ZONE 7 DIRT KARTING. The information contained herein becomes effective 1 January 2022 of the reigning year and shall remain in force unless modifications and / or additions deemed necessary by ZONE 7 DIRT KARTING Committee are made. The Committee reserves the right to amend any of these rules and regulations in the course of the season if deemed necessary. This document may not be reproduced without the expressed written permission of ZONE 7 DIRT KARTING.

### 1. DEFINITION:

- a) RACE INCIDENT: A race **incident** is something that is the result of the inherently chaotic nature of auto **racing**, rather than the result of an egregious mistake or an intentional attack. In a **racing incident**, neither driver bears the majority of the blame.
- b) B-PILLAR: It is noted that the B-Pillar point will be by the Drivers Elbow.

### 2. CLUB MEMBERSHIPS

- a. **Membership** is your own responsibility and with full understanding of the dangers that the sport hold. The club will take every measure to ensure the safety of the competitors as far as possible, and also to enforce the rules set out herewith. Underage competitors are only permitted to ride under a parent / guardian member supervision.
- b. **Parent / Guardian Membership** holds the same responsibility as the underage competitor. Any infringement of the rules by driver or parent/guardian will be construed as one person, and penalties imposed will be against both parties, as at the committee's discretion.
- c. **Social Membership** is your own responsibility and with full understanding of the dangers that the sport hold. The club will take every measure to ensure the safety of the competitors as far as possible, and also to enforce the rules set out herewith. Underage competitors are only permitted to ride under a parent / guardian supervision.
- d. Any member of any club is welcome to join Zone 7 Dirt Karting at any time. You are allowed to be members of more than one club. Club status is you as competitor's choice and responsibility.
- e. Membership is renewable on a yearly basis.
- f. **Social Media** including but not limited to Twitter, Facebook, Instagram, WhatsApp and Zone 7 WhatsApp Groups is a powerful and wide-reaching medium for the expression of views and opinions, and the sharing of photographs and videos. As such, competitors should be aware that their conduct on social media regarding the Sport and Zone 7, its drivers and Sponsors should reflect the impact social media has. If a competitor is considered to have brought the Championship and/or Zone 7 into disrepute in the opinion of the Championship controllers, they may be subject to a penalty or disqualification from the championship. For clarity, it is acceptable that crashes are an inevitable feature of motor-racing and the posting on social media of imagery containing crashes does not bring motorsport into disrepute, but competitors are reminded that careless associated comments may do.
- g. Should the member bring Zone 7 into disrepute, the committee reserves the right to terminate your membership without compensation with immediate effect.

### 3. GENERAL RULES

- 3.1. **OVERVIEW:** The specifications and regulations contained herein are intended for the orderly conduct of the sport of competitive dirt karting.
- 3.2. **RULES FAMILIARITY:** Individuals entering events as dirt kart owners and / or drivers and those entering the pit area of our racing facility are required to be familiar with these regulations and any instructions governing an event. By participation in said events, all individuals are bound by said regulations, supplementary rules or instructions
- 3.3. **RESPONSIBILITIES:** The primary responsibility for the safe condition and operation of a kart placed in competition rests solely with the owner / driver. The Club's primary responsibility is to provide a place for racing configured to acceptable known practices and reasonably maintained. ZONE 7 DIRT KARTING strives to

provide specifications and regulations for the orderly conduct of racing events based upon experience gained in motor sports events all over the world. The quest for safety is a shared responsibility between the participant, and the Club Committee. The purpose of this document is to provide common standards, which may benefit all concerned. Thus, adherence to the rules and specifications set forth in this document is fundamental to the welfare of each participant.

**3.4. ABUSE:** Verbal Abuse, Physical Abuse, and or Disorderly Behaviour/Conduct will not be tolerated from members, non-driving members, Pitmacs/Crew and any member of the public.

3.4.1. **VERBAL ABUSE:** of any official, member, fellow competitor/s or any member of the public will NOT be tolerated. The Perpetrator/s concerned will be excluded from the next two (2) race meetings.

3.4.2. **PHYSICAL ABUSE:** of any official, member, fellow competitor/s or any member of the public will NOT be tolerated.

*First offence* - the competitor/member will be excluded for three (3) race meetings as well as banned from the premises (Zone 7 Dirt Karting) for three (3) race meetings.

*Second offence* - Permanent expulsion from the Club and the premises as well as termination of competitor/members membership.

3.4.3 **DISORDERLY BEHAVIOUR:**

*A non-driving member or any member of the public* found to be in breach of the above, will be requested to leave the premises immediately.

*Drivers and social members* misbehaving, whether at Zone 7 or at another club will result in a hearing by the Zone 7 Dirt Karting Disciplinary Committee. Members are reminded that should you be considered to have brought the Club Zone 7, into disrepute in that your actions affect the name of Zone 7, the Disciplinary Committee is entitled, but not limited to, suspend and/or fine the person concerned.

**NOTE:** The decisions of the Disciplinary Committee will be final and will be upheld by the Zone 7 Dirt Kart Committee.

3.5. **PITCREWS:** Drivers are responsible for the conduct and actions of their pit crew members including friends, family or any other entity attached to them. Unacceptable actions of crew members may subject the driver to a penalty or disqualification from an event, possible fines or suspension of membership privileges.

3.6. **ALCOHOL AND DRUGS:** Alcohol and drugs are not permitted in the Pit area. No driver, pit crew, official is allowed to consume any form of alcohol, before or during a race event. Persons found in breach, will face disciplinary action, with penalty as decided upon by the Disciplinary Committee or Zone 7 Committee. Drivers are forewarned that no leniency will be allowed.

Any driver who is taking mind altering drugs or medication that impacts or impairs their ability to safely compete should refrain from entering as a driver at an event. This is for their safety and the safety of other drivers.

Under no circumstances, should a driver drink whilst in his racing overall. Should a driver withdraw from an event, it is required that all racing apparel be removed, as spectators don't know the driver has withdrawn, and this puts the club in a bad light.

No illegal substances are allowed on the premises; offense will result in immediate ban.

3.7. **VISITING DRIVERS:** All visiting drivers/competitors may be protested by the Zone 7 Dirt Karting Club committee / members / competitors or impounded by the Clerk of the Course (COC) or impounded by the Zone 7 Dirt Karting Club for inspection. If found out of spec, or refusal to supply the kart/motor for inspection, a two (2) race meeting ban will immediately come into effect. A second offence to the above will result in permanent expulsion from competing at the Club. By completing the necessary entry and scrutineering documents, all drivers and visiting drivers agree to the rules and regulations as stated above.

## 4. GENERAL RACING RULES

4.1. **COURSE MARKINGS:** Course markings such as flags, cones, tyres or other markings so designated by the Clerk of the Course must be observed by all drivers at all times.

4.2. **SPORTSMANLIKE DRIVING:** The spirit and intent of sportsmanlike racing competition is to proceed on the track without touching or endangering the vehicles of fellow participants. Inadvertent contact is a reality of racing.

4.2.1. However, no bumping, crowding, chopping, blocking or pushing other participants in other than an inadvertent manner is allowed or will be tolerated.

4.2.2. **Wild or disorderly driving or any unsportsmanlike conduct after chequered flag shall not be tolerated.**

*The committee reserves the right to determine a suitable penalty or suspension for offenders.*

4.2.3. Any driver unable to continue because of mechanical failure or lack of fuel should move their kart well off the track into a safe location (5 Meters min) on the infield as soon as safe conditions permit. Do not leave kart adjacent to the track at any time.

4.2.4. Where a competitor is unable to complete a race due to race damage caused by another competitor, directly or indirectly, the competitor who caused the damage shall be excluded.

4.2.5. Manoeuvres liable to hinder other competitors such as premature direction changes, obvious obstruction, deliberate crowding to the inside or outside of the track, dangerous lane changes, premature braking, braking on exits of corners or any other abnormal actions are strictly prohibited. Manoeuvres that have the clear intention of being unsporting shall be penalised.

4.2.6. **Any driver signalling his dissatisfaction by throwing his/her arms in the air, whether it be directed at the CoC or at another competitor or official, shall be construed as an unsportsmanlike offence. Any driver waving a finger or pointing at another driver on the circuit, shall be construed in the same way. Not only does this bring the Club into disrepute, it also has a detrimental effect to the sport. A 2-Point penalty; or Back of the Grid; or as such deemed appropriate to the offence, will be imposed by the CoC on the day or by the Committee after the event.**

4.3. **SIGNALING:** Drivers shall raise one arm over their head to signal following drivers when a kart slows from racing speed on course or pulling off course. This requirement includes slowing to exit at a pit entrance after an event. Drivers shall raise both arms high over their heads to signal following drivers that they have no control over their karts after spinning off course or stopping on course due to mechanical failure. Drivers are reminded not to raise their arms until the kart is safely stopped.

4.4. **ENGINE ADJUSTMENTS WHILE DRIVING:** Competitors are **NOT** allowed to adjust with their engine while driving.

**Engine adjustments can be done but only under the following conditions:**

- at least 5 meters from the race track, on the infield.
- Regain entry to the race line with both hands back on the steering wheel, eyes on the race and without causing disadvantage to another driver, **also note [Rule 11.6.1](#)**

4.5. **EXITING KART:** A driver is permitted to get out of his kart in a safe manner 5 meters from the track on the infield to restart his kart. This is allowed ONLY ONCE during a heat and only to restart the kart. Entry to the track after successfully starting the kart needs to be at the same location as where the track was exited (Please refer to Re-entry to Course below for specifics)

4.6. **NEW DRIVERS:** All new drivers are required to carry an X over their number and start at the back of the grid for the first 3 events or longer should the Committee feel this is necessary. Should a driver perform well after the first event, he/she may address the committee to have this uplifted.

4.7. **WARMING OF TYRES:** Drivers are not permitted to warm or heat tyres in any manner, whether in the pits, on the dummy-grid, and/ or on the track at any event.

- 4.8. **LAPPED KARTS:** Participants about to be lapped by faster competitors are responsible for being aware of the approaching faster karts. Lapped karts will observe the passing (Blue) flag or subject themselves to a warning (Black/White) flag from the Clerk of the Course. Lapped karts should maintain their current racing line until faster karts has passed, and it is safe to move to the outside of the circuit.
- 4.9. **STOPPING ON COURSE:** If for any reason a competitor is forced to stop on or near the course during an event, it is the responsibility of the competitor to assist in removal of the kart to a safe zone on the infield as quickly as possible.
- If a competitor is forced to stop on the racing surface during an event, the competitor must raise both hands to signal approaching competitors that they are immobile. Once you raise your hands it will be construed that your kart can no longer continue and you are withdrawing or as per 4.2.6..
- Any driver removing his/her helmet while on the track or infield is immediately excluded from the race while the race is live.
- 4.10. **RE-ENTRY TO COURSE:** When a competitor leaves the course during an event, and where safe to do so, must re-enter the racing surface at a point as close to where they ran off the track. A driver may not enter at another point on the course that will provide them, at any time, with a position or distance advantage. Drivers re-entering the track must do so safely, yield to the on-track competitors and abide by the directions of the turn marshals or officials in charge.
- 4.11. **SUBSTITUTE DRIVER:** Substitute drivers will not be allowed.
- 4.12. **COMBINING CLASSES:** The Clerk of the Course may, combine classes, classify entrants into groups according to driver experience ability or other factors, for purposes of safety or event expediency.
- 4.13. **ATTITUDE:** The attitude of those individuals charged with the responsibility of conducting technical inspection should be to:
- 4.13.1. Help the competitor be aware of possible deficiencies in a timely manner that may pose a safety danger or could constitute a rules infraction;
  - 4.13.2. To help establish that all entrants are competing under equal conditions.
  - 4.13.3. That specifications and regulations established by this document are adhered to by all competitors.
- 4.14. **ENTRANT RESPONSIBILITY:** It is the competitor's responsibility to assure that all technical safety requirements have been met, that all documentation are up to date and that you familiarize yourself with all the rules and regulations pertaining to Zone 7 Dirt Karting race days.
- 4.15. **NO KART PASSENGERS:** Karts may not be operated with more than one person on board at any time.
- 4.16. **NO GO AREAS:** During racing events, no kart is permitted to be driven outside of the designated pit and track area.
- 4.17. **HELMETS:** A Kart may NEVER be driven without a Helmet – regardless of the circumstances!
- 4.18. **INSPECTION:** The Committee / CoC or Technical Official may require any competitor to submit to a technical and / or safety inspection at any time. Failure to do so will be construed as an admission of guilt and will result in the loss of points for that event. If kart or engine parts need to be changed due to mechanical failure or have been damaged due to an incident or accident during a heat, this may be done during the race event. However, once any technical or engine changes have been made, the onus is on the competitor/driver of the kart to have a further technical inspection (scrutinised) and for the safety of the kart. A complete engine replacement is allowed to take place, the onus is on the competitor / driver to have the relevant technical inspection done before entering the next heat. This needs to be signed off by one of the scrutineers. Failure to adhere to the above may result in loss of points for the day and exclusion from competing for the rest of the race day/meeting.
- 4.19. **ADDITIONAL INSPECTION:** On unspecified dates, the Zone 7 Dirt Karting Committee could inspect any of the karts. If a driver has left the race meeting and has not withdrawn from the event and all karts get impounded, he/she will forfeit all his/her points for the day. Should this occur a second time, all season points will be forfeited.



All drivers impounded must stay to the end of racing to complete the procedures i.e., weigh-in, if not they will forfeit their day points and on the second time, they will forfeit all their season points.

Any illegal or modified parts found will result in the forfeiture all accumulated points for the season. If found illegal for a second time in the season, all points will be forfeited plus an additional two (2) race ban for the driver/ competitor.

- 4.20. **Clerk of the Course (COC)** may disqualify a kart for safety reasons.
- 4.21. Any person failing to provide his/her engine for scrutiny will be construed as an admission of guilt and penalty imposed would be the same as if the engine was found illegal.
- 4.22. Within the regulations and specification listed, any item that does not appear does not imply legality. This may be construed as being illegal based upon intent.

## 5. SCRUTINEERING

The Clerk of the Course or Technical Official may require any competitor to submit the technical and/or safety scrutineering inspection at any time. When requested, the driver must be able to produce the scrutiny record card/book issued for his/her kart. Failure to do so will result in loss of points for races run up to that event and / or a one (1) race meeting ban.

The inspection includes the following:

- The Go Kart
- The Engine
- The Driver
- The Driver Safety Kit/Gear
- Scrutineering Booklet

The kart being inspected is the kart that you will race with in the entered class that it was inspected for. Cross-riding will be allowed, only if all the rules are following, and only in the 390STD and 390 Ladies Class – This is incorporated to increase memberships and driver numbers on race days.

A Scrutineering booklet will be issued to each driver/kart at the first race. This booklet is compulsory and is valid for the year of racing and should be kept in a safe place. A replacement booklet can be bought at an additional fee from the race secretary under strict conditions. Failure to produce your scrutineering booklet at weigh-in, scrutineering and documentation will result in the driver/competitor forfeiting his/her opportunity to compete in the race day's events. This booklet forms part of the driver/competitor, the kart and safety kit/gear.

When visiting other clubs, please use the Zone 7 booklet for scrutineering and have them sign off on your booklet.

### 5.1. SCRUTINEERING PROCESS

- Weigh in process - The onus is on the driver/competitor to make sure he/she is on the correct required minimum weight limit for the class that he/she has entered.
- Complete the scrutineering form.
- Report at class scrutineering area.
- Have all PPE for race ready and available for scrutineering.
- Wait at Kart until scrutineering officer gives the clear and signs off scrutineering form.
- Faults that will need to be rectified will be noted in the scrutineering booklet as per the scrutineer's instructions. Mistakes need to be rectified before the next race event. Repeat offences will not be permitted and will result in the driver/competitor forfeiting his/her right to compete in the event.
- Enter the event and sign in.

## 6. COMPULSORY DRIVERS MEETING

It is compulsory for all drivers to attend the drivers briefing. The driver must ensure that the pit crew is aware of what was said in the driver's briefing.

Failure to attend drivers meeting will result in a driver/competitor to forfeit the right of lodging a grievance for the event and will result in starting in the last/back position for every heat.

A driver/s meeting is only for drivers (driver's parent or guardian when under age of 18) and one (1) pit mechanic and race officials.

## 7. PIT REGULATIONS

- a) **CONTROL OF PIT AREAS:** The pit area of the track is under complete control of the assigned officials. All persons entering this area, whether connected with an entrant or not, are subject to all regulations regarding deportment and behaviour and may be ejected from this area by the officials in charge.
- b) **FIRE SAFETY:** The use of open flame devices in the pit area is prohibited. An area away from fuel and/or other flammables should be used for welding. No Open flames are allowed near the pit areas during racing and these include braai / gas fires.
- c) Every driver must have at least one 1Kg fire extinguisher in his/her pit area and it must be within date.
- d) **WASTE REMOVAL:** All competitors must leave their pit areas in an as received condition. It is expected of all members to remove any litter or waste generated by them, from the site.
- e) **DRIVING IN PITS:** The flow of traffic in the pits is Clockwise. Drivers may not drive faster than walking speed, no reckless driving, neither spinning or sliding will be permitted in the pit area. A spot fine of not less than R 500 may be induced. Further failure to adhere to this may result in loss of points for the day. Repeated offence will result in loss of season points and a one race ban may be imposed, at the discretion of the Committee.
- f) **PARKING IN PITS:** Vehicles for personal transportation will be restricted from the pit area. Due to the size of the pits area we strive to accommodate all drivers/competitors. Either your mechanical vehicle or trailer will be allowed in the pits area. Only 1 mechanical vehicle or trailer per kart. All other vehicles to be parked at spectator parking area outside the pits. The onus is on the driver/competitor to request that their family, friends and acquaintances park their private vehicles outside the pit area in the designated public parking area.
- g) **VISITING/GUEST DRIVERS:** These competitors will be allocated a pit area. We ask all our members to please respect all our visiting/guest drivers. By entering and agreeing to race at Zone 7 Dirt Karting, all visiting/guest drivers are bound by the same conditions as stipulated in the Zone 7 Dirt Karting Rule Book.
- h) **REFUELING:** Karts are to be refuelled in the pit area only. During refuelling, the engine must be stopped and the driver must vacate the kart.
- i) **SIGNS:** Zone 7 may post information signs throughout the facility. These signs will be considered part of the rules and must be obeyed. Failure to observe the signs will be considered a rule violation.
- j) **STARTING ENGINES:** In the pit area or on the grid, karts may only be started if:
  - 1. Driver is sitting in the kart with all race equipment on, or
  - 2. The kart is on a stand and secured, or
  - 3. When both drive wheels are raised off the ground.
  - 4. No kart may run unattended.

## 8. FLAGS AND WARNINGS

All races are controlled by means of flags of different colour. The following flags are compulsory at all events.

- a) **STARTING FLAG:** The flag utilised shall be the Club flag or the National flag. The starter shall show the flag to the field of competitors to indicate the race is to be started. The race is started when the flag is dropped.
- b) **WHITE FLAG:** The flag is used to indicate the last lap of (a) warm-up phase, or (b) last lap of the race. This flag is held in a stationary position.
- c) **FINISH FLAG:** The flag utilised shall be a black and white chequered flag. Once this flag is shown, the race has ended and all participants crossing the finish line must complete one more lap to prepare to leave the track (cool down Lap). After crossing the finish line, drivers must slow down to pace speed to exit the track. All karts to

gather in front of gate before gate is opened and karts exit the track if the driver did not cross the finish line, he will be seen as DNF. The CoC may make an exception for the finals and allow the winner to do victory lap.

- d) **GREEN FLAG:** This flag is used to signal a race ready situation, such as following on a period of racing under safety (yellow flag) conditions and to restart the race. The green flag shall be used just like the starting flag in the case of a stopped race.
- e) **BLACK FLAG:** This flag will only be used in severe cases. This flag signals that a participant has been disqualified and that the latter should stop and park on the infield IMMEDIATELY. This disqualification may be for a driving infraction or unsportsmanlike conduct.

Procedure when a black flag is received:

- The driver must immediately, when safe, pull to the infield for the remainder of the race. Points for that race are forfeited.
  - Report to the Clerk of the Course IMMEDIATELY after the race.
  - Should a driver receive a second black flag for the day, all points for the day will be forfeited and the driver will not be permitted to complete the day.
- f) **TECHNICAL “MEATBALL” FLAG:** This is a black flag with a yellow/orange centre. Displayed for technical or mechanical infractions or in cases of unsafe equipment or loss of safety apparel. You have to stop and park on the infield immediately. After the race you can return to the pits and execute the necessary repairs before the next race. This is not a “Black Flag”, i.e., not disqualified!
  - g) **BLACK AND WHITE FLAG:** This flag indicates to the competitor that he is being warned and watched for contravention of the rules/regulations, or indicates that a competitor is engaging in deliberate obstructive tactics. The competitor shall continue for the rest of the race and shall report to the Clerk of the Course immediately after the race. A class warning will not be construed as a Penalty Warning.

The following will be applied by the Clerk of the Course as a Penalty Warning:

- First warning flag: Minus 2 Points and back of the Grid for the next heat.
- Second warning flag: Minus 5 Points and back of the Grid for the next heat.
- Third warning flag: Excluded – Load Kart – Your days racing is Complete

***(Black Flag will only be used in extreme cases)***

If a penalty is imposed within a race (full caution and the perpetrator who has received the warning flag sent to the back of the grid) – the Next heat “Back of the Grid Penalty” will NOT apply.

- h) **YELLOW FLAG:** This is used to invoke the safety flag status. Any marshal in the interest of safety can deploy it. When the yellow flag is held out, competitors should be aware that there might be an obstruction on the track posing a danger.
  - a. Full Course Yellow Flag Restart procedures:
    - Single file start Grid – 1 lap back.
    - Competitors need to line up in single file in position when the yellow flag went up.
    - Transgressors to be put at the back of the grid.
    - If no transgressor is identified, all will remain as per grid position allocated by the COC using the above method.
    - If re-flagged during flag lap, same rules will apply
    - The yellow flag period will be followed by one lap under the white flag.
    - The race will be restarted with the green flag.
  - b. Under a yellow flag, competitors are not allowed to overtake and must stay in their original positions. Circling will continue until officials are satisfied that the track is clear / driving conditions are safe.
  - c. Laps completed under yellow flag conditions will not count towards the duration of the race.
  - d. Multiple restarts in one race – COC discretion on restart race order using prescribed grid positions.
- i) **RED FLAG:** The red flag is used only to stop races and is always initiated by the Clerk of the Course (CoC) only. Once the red flag is shown, all competitors must endeavour stop racing as soon as possible, taking the safety of everybody into consideration, and coming to a complete stop in front of the CoC.

Any driver refusing to obey a Red Flag immediately will be Black Flagged and excluded from the entire event.

- a. Red Flag – first lap incident
    - Transgressor(s) to be put at the back of the grid.
    - Restart in first lap, original grid position.
    - If no transgressor is identified, all will remain as per grid position allocated by COC using the above method.
    - If re-flagged during the lap, same rules will apply.
  - b. Red Flag – after successful first lap
    - Single file restart
    - Grid 1 lap back
    - Transgressor(s) will be put at the back of the grid
    - If no transgressor is identified, all will remain as per grid position allocated by COC using the above method.
    - If re-flagged during flag lap, same rules will apply.
  - c. Multiple restarts in one race – the COC’s discretion on restart race order using prescribed grid positions.
  - d. As per [11.7](#) (below), should the scheduled distance of the race have been reached at the time of the red flag, the race may be considered completed or may be restarted at the discretion of the Clerk of the Course.
- j) **BLUE FLAG:** This flag is used to indicate to a competitor that he is about to be overtaken or lapped. This competitor may under no circumstances try to prevent the opponent from overtaking and must move to the outside line in a safe manner in order for the faster karts to pass on the race line. Once moved to the outside, the competitor must remain there for one complete lap, after which he can move back to the inside line. Should a competitor be found to be “blocking” a blue flag may be shown to advise the competitor to keep his/her racing line.
  - k) **FIRST AID FLAG:** This is a white flag with a red cross. Displayed when medical assistance is needed on track. Should this flag be displayed when racing under yellow flag condition, drivers should yield to allow for medical personnel on track. This flag is not used to regulate racing.
  - l) **YELLOW AND RED STRIPPED FLAG:** This flag is used to advise competitors that the track conditions have changed. Normal racing Continues, but drivers are to be on the look out for an obstruction/item.

## 9. SAFETY EQUIPMENT

### 9.1. HEAD GEAR:

Full coverage (full face) helmets designed for competitive motorsports use are compulsory. Helmet must be in good condition and is subject to pre-race inspection. Helmet must be secured with a strap. Failure to properly secure helmet may result in disqualification. **NOTE:** If hair extends appreciably from beneath helmet level it is **COMPULSORY** that participant wear "balaclava" / head-sock / hair-net to keep hair from extending outside helmet. Also, no apparel items such as bandanas, sweater hoods, loose belts, etc., will be permitted.

### 9.2. EYE PROTECTION:

Eye protection is compulsory, either goggles designed for motor sports use or a full visor integral with helmet. Industrial safety goggles and sun glasses may not be worn on track.

Only shatter proof sun glasses may be used behind full face visor.

### 9.3. NECK BRACES:

Collar-type, unaltered neck brace designed for motorsports compulsory for all competitors in all classes.

### 9.4. DRIVER APPAREL:

Drivers are required to wear the following:

- One-piece overalls. These may be special racing designed or ordinary industrial overalls. The said overalls must have long sleeves, a collar and full-length pants. When racing it will be buttoned / zipped up to the neck. It may not have parts liable to be caught up in the chain or any other moving parts.
- Wearing of full gloves for protection of their hand’s compulsory for all competitors. No gloves not covering fingers are allowed.

- Closed shoes with no laces is recommended. In case of shoes with laces they need to be safely tucked into the sides of the shoes as to prohibit loose ends. Closed shoes are compulsory.

**9.5. GO-PRO CAMERAS/HELMET CAMS:**

- The use of GO-PRO/HELMET CAMS are allowed to be mounted on a helmet. This may only be done if the camera is securely attached with a strong adhesive and safety bracket. No camera may be screwed or bolted to the helmet. The scrutineer may request the camera be removed should it not be safely and securely attached. The committee reserves the right to change this rule at anytime should it become a safety concern. *(Amended 09 March 2022)*
- The use of GO-PRO/HELMET CAMS may be mounted to, but must be securely attached, to the kart with an additional safety chain in the event of the camera dislodging and falling off the kart.

**10. RACE DAY SPECIFICATIONS**

*A race day will consist out of multiple heats and will be referred to as an event, race day or race meeting.*

**10.1. EVENT FORMAT**

- a) NORMAL EVENT FORMAT: Will be to run four heats, (laps calculated on the number of karts entered + 2 laps) and Main Event (Final). No race will be run for less than 6 laps. The Clerk of the Course may decide to end a race prematurely should too many karts be eliminated.
- b) HEATS: First heat will be gridded according to a blind-draw, with the lowest draw number starting inside pole. The second heat inverted draw order of the first heat. Third heat will again be gridded according to a blind-draw, with the fourth heat inverted draw order of the third. Competitors entering after entries close on race day, will start all races in the last position, except in the finals, where grids are calculated according to point scoring of the day, most points in front. If due to time constraints, the finals may be cancelled.
- c) RACE START: The complete starting position will be made available after the drivers briefing. It is the competitors' responsibility to ensure that he/she is aware of their starting position. As soon as the gates open, all karts for that lap needs to be present on the track. Each competitor will be ready by the gates at the start of the previous race in order to not waste time.
- d) GRID POSITIONS FOR SPLIT-CLASSES: Numbers drawn will be split and will determine in which group you will participate for the day. This is only in cases where the class has to be split.

**10.2. POINT SYSTEM**

- a) Zone 7 Dirt Karting events counting toward annual club championships shall be listed in an annual schedule printed by Zone 7. The schedule must be available to all competitors. Schedule change notifications can be made at drivers' meetings, by direct mail, e-mails and telephone contact, provided that all members are dully notified.
- b) TIE-BREAKING: In the event of a tie in points scoring situation, the tie will be broken by the highest finishing position of the first (if also a draw, the next) heat of the day for those competitors at a draw.
- c) POINTS SCORING: Points for the four heat races as well as the final will be calculated as indicated below:

<b>Position</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9-15</b>
<b>Points</b>	11	9	7	6	5	4	3	2	1

- d) FINAL: The final will also be scored as per the above table. Person with most points will start first on grid during finals. Class winner is the driver with the most points at the end of the day; this includes the 4 heats and the finals. This will determine the day overall winner per class. Non club members' points will be subtracted for the club championship and points will be reworked before the club points are released. Points earned in the final will also count towards the championship.
- e) DUMMY GRID (PRE-RACE GRID): All karts and drivers must be in their starting position on the grid, one class prior to their class. If your class is the first to grid you will be notified by announcement, whistle, or other means and you must be at the grid in 5 minutes.

- f) **NON-STARTERS:** In the event of non-starters, drivers should be moved in the grid without leaving any gaps.
- g) **WARM-UP, PACE LAPS, AND RESTARTS:** There shall be no warm-up lap other than the first lap out on the track to form up the starting grid. Once the kart is on the racing surface, working on the kart(s) is not allowed.
- h) Once the pit gate is closed, the Clerk of the Course (COC) shall signal a white flag allowing for 1 pace lap. All competitors shall drive to their appropriate grid positions and maintain a slow pace speed. If a kart cannot continue under its own power, the driver shall park his kart as far off the racing surface on the infield as possible and move himself to a safe position off the track.
- i) The competitor in the first position will determine the race pace, in case first position is left open, by default the second position will take this responsibility. As soon as the first 4 karts are in position, the CoC may begin the race.

**REMEMBER:**

Kart 1 will determine the pace.

Drivers to maintain their position until the start race flag drops after which you can start passing the competitor in front of you.

**10.3. START OF THE RACE**

**Rolling Start: The race shall begin when the starting flag is dropped.**

At the Clerk of the Course's discretion, the start may be controlled by the use of cones placed on the centre line of the track to keep the two rows of karts separated. Recommended procedure is to use no more than three cones and they may not extend past the start line.

If after the start of the race, the starter decides that a restart is necessary (i.e., false start, poor start) he shall signify a restart with yellow and red flags crossed. Karts shall reform their positions in the pack for a restart at a slow pace in their original grid positions.

Note: The decision to restart a race is not protestable.

**10.4. RACE SAFETY**

After the start of the race and within the first lap, if any accidents happen whereby other competitors' loose position, the race can be stopped with a red flag in accordance with rule 8 i)(Red Flag); all the competitors will reform starting position after which the race will restart. In case some of the karts are damaged beyond starting, the driver / competitors may be called off the track and sent back to the pit areas for repairs. A maximum of 2 substitute race heats will be allowed for "repair time". Thereafter class will be recalled. Competitors, who after this "repair time" do not appear at the track, will result in them forfeiting the race, and will be recognised as a DNS (Did not start).

In the event a race is stopped due to an incident, and a kart stalls on the reformed grid, he/she will be allowed to be restarted by a Class rep only. This may only be done with the consent of the Clerk of the Course and the Representative must wear a Reflective bib. Maximum 3 attempts allowed. No Marshal is allowed to start a kart.

After 2 failed race restart attempts, a cone may be deployed (at the CoC's discretion), and drivers will be instructed to line up in single file. If a cone is used, competitors will then restart on the outside of the cone. Any driver failing to go on the outside of the cone will be penalised.

**11. DRIVING REGULATIONS**

A competitor shall, at all times, drive in a manner compatible with general safety.

Manoeuvres liable to hinder other competitors such as premature direction changes, obvious obstruction, deliberate crowding, dangerous lane changes, premature braking, braking on exits of corners or any other abnormal actions are strictly prohibited.

When a competitor leaves the track while competing, he / she shall immediately bring his / her kart under control and re-join the race near the place he / she left the race, when it is safe to do so. No advantage must be gained over the other competitors, nor may he disadvantage any other competitors upon re-joining.

Contact Racing is prohibited for all classes. Non-Contact shall mean nothing more than the coming together of karts caused by close racing. Although it is understood some inadvertent contact will occur, intentional and avoidable bumping, nerving, pushing, etc., will be grounds for disqualification. Such coming together shall not be forceful enough to cause any kart to be placed in a different racing line involuntary. You will be warned only once with a black and white flag; a second warning will result in a waved black flag.

#### 11.1. **COMPETITION DRIVING:**

Remain alert. Give consideration to fellow competitors in all areas of safety. When entering a corner simultaneously, all karts should maintain a constant line through the corner and avoid erratic changes in direction.

Any driver slipstreaming or drafting another kart should use extreme caution and should be prepared for evasive action should the lead kart suffer a mechanical failure.

#### 11.2. **DRIVING DIRECTION**

Clockwise driving direction: Newby Class, 160cc/200cc Standards, Junior 160cc / 200 Pro's, 390 Standards, 390 Mods, Super Mods, Beetles.

Anti-Clockwise driving direction: 270 Class, 300 Class, 300 Wing Class, 465 Wing Class.

#### 11.3. **FIRST LAP**

- Passing manoeuvres are permitted.
- An accident/incident that causes a disadvantage to other competitors, will automatically cause the race to be restarted.
- If a competitor is spun out by another competitor the race will be restarted and the transgressor punished.
- Should a competitor loose/spin him/herself in the first lap, the race will be restarted, but the transgressor will be placed at the back of the grid.

#### 11.4. **MINIMUM ENTRIES:**

Minimum of 5 karts, entered and paid, validates that a class be run. In case of less than 5 entries on the day in a specific class; the class may be combined with another class. No club points will be awarded for the class that has insufficient entries – They may however compete for the day's trophies in the class which they are partaking.

#### 11.5. **MAXIMUM ENTRIES:**

*All Classes:* The maximum number of karts permitted in any one heat will not exceed 15 entries. Classes with more than 15 entries will be split up in two or more groups. The main event will consist of the 15 highest scoring entries from the days' races. This may be adjusted at the CoC's discretion.

*Re-Draw:* Should the total number of competitors in any split class become less than 12, a redraw will be done on the starting line with all remaining karts in the same heat.

#### 11.6. **STOPPING OF A VEHICLE DURING THE RACE BY THE COMPETITOR:**

- 11.6.1. Competitors who stop racing on their own accord shall not be entitled to rejoin the race, if more than two laps had been completed by the pole man; It would have been deemed that they withdrew from the race;
- 11.6.2. Should a vehicle come to a standstill on the track but off the race lines, it will be at the discretion of the Clerk of the Course, that if safe, not to invoke the yellow flag bringing the race under safety.

#### 11.7. **RACE DISTANCE**

The number of laps will be determined by the number of karts that entered plus 2 laps. Example: 8 karts entered will result in 8 laps + 2 laps = 10 laps. No race will be less than 6 laps. The COC may at his / her own discretion shorten the race in case too many karts have been damaged and retired from the race.

If seventy percent (70%) of the scheduled distance of the event have been reached at the time of the red flag, the event may be considered completed or may be restarted at the discretion of the Clerk of the Course. Generally, it is desired to run all the events at the scheduled distance, however, if the reason for time or weather or other circumstances is not desirable the Clerk of the Course may act upon his discretion call the event/race "complete". This will be indicated with a Red and Checkered flag waved simultaneously. Races completed due to

red flag will revert to most current order of last completed lap with the involved parties moved to the rear or disqualified.

### 11.8. RACE END

The end of the race shall be signalled with a checkered flag. This may be shown in conjunction with a Red or Yellow flag. Should, for any reason, a race run beyond the proposed laps, due to electronic failure or otherwise, the race will only be complete once the checkered flag is shown.

## 12. INCIDENTS

Completion of an Incident Form serves to bring an issue to the attention of the senior race officials at an event. It shall not replace a formal protest and the race officials shall not be obliged to act on its contents. Any competitor who considers him/herself sufficiently aggrieved, and requires an issue to be formally investigated, is advised to rather lodge a formal protest as per item 13, within the stipulated time limits.

## 13. PROTEST

### 13.1. PROTEST PROCEDURE

All protests involving specifications legality and driver conduct shall be submitted by a bona fide (legal) entrant from the same class as the accused participant. Aggrieved party may be required to submit to similar inspection procedure as accused participant. If a driver has left and not withdrawn for the day and gets a grievance lodged against him/her, he/she will lose his points for the day and on the 2nd time his season points, all drivers accused must stay to the end of racing to complete procedures (e.g. weigh in) if not, day points will be lost and on the 2nd time season points.

### 13.2. THE RIGHT TO PROTEST

The right to protest lies solely with any entrant or official who may consider himself/herself rightfully aggrieved by any decision, act or omission of an organiser, official, competitor, driver or other person connected with any competition in which he/she is or has been taking part/officiated in.

### 13.3. WHO MAY LODGE A PROTEST?

The right to lodge a protest is solely for a driver/guardian entering the race and in the same class as the person being accused. The Clerk of the Course is allowed to impound any kart under suspicion.

### 13.4. WRITTEN PROTEST

Written protest on the prescribed form, obtainable from the Club Secretary, should refer to a specific

(a) specification and/or

(b) regulation contained within this document

And, refer to paragraph and page number when specifications and / or rules apply.

### 13.5. HOW DOES LODGING A PROTEST WORK?

a) A written protest will only be accepted within the time limits below:

<b>PROTESTS:</b>	Competitors who feel aggrieved by the actions of a fellow competitor may enquire from the Clerk of the Course if any action was taken against such competitor; such enquiry shall be in writing and shall be lodged with the Clerk of the Course.	Within 30 minutes of the end of the race in which the incident occurred.
	A protest against an entry of a competitor not legible to partake in an event.	Before closing of documentation
	Protest against the actions of a Clerk of the Course;	Within 30 minutes
	A protest against the driving conduct of another competitor, or of the aggrieved competitor being advised by the Clerk of the Course that no action would be taken.	Within 15 minutes after the particular race or announcement made by the COC



	A protest against the eligibility of any vehicle, or part of vehicle, when the reason for the alleged ineligibility is not apparent, but it is alleged that the vehicle is performing in a manner which suggests that it is ineligible or if a part or parts may have been changed after scrutineering; <b>It shall be mandatory that the protestor shall equally have his/her vehicle stripped at the same time – it follows that both cars are to be stripped, firstly the vehicle that is being protested and secondly the protestors vehicle.</b>	Within 30 minutes of the performance that gave rise to the protest
	Points / Results been posted on the notice board;	Within 30 minutes after the posting
	All other matters not noted;	Within 30 minutes after becoming aggrieved

- b) The penalty for being found guilty of any wrong doing is determined by the Zone 7 Club Committee. Minimum penalty is losing your points for the day and losing all club points accumulated for the year. In case of second offence of the same type, driver can be banned from 2 race meetings as well as losing all club points for the year having to restart the championship from the back.

#### 13.6. SINGULAR PROTEST REQUIREMENT

A protest may not be collective, that is a bona fide entrant of the class in which the protest is made. Once a protest is properly lodged, additional protests of the same incident, alleged technical infraction, etc., will not be accepted.

#### 13.7. PROTEST PROCEDURE PROCESS

- a. Get all relevant documentation from Club Secretary
- b. Hand in the completed form plus R1000 Protest fee to the Race Secretary. As soon as the protest has been acknowledged and handed in the aggrieved party must refrain from any further action as to penalise him / herself and possible cancelation of protest action.
- c. The Race Secretary will call the person being affected and will advise him/her of the Protest Lodged and its contents. No personal contact is allowed by any other competitor in the same class as the accused or the aggrieved party until protest procedures are finalised.
- d. The accused will only then get the chance to explain and give his side. Relevant documentation will be received from the Race Secretary to be completed in order for the protest to be filed.
- e. No legal representation will be permitted at protest hearings, however, competitors or officials may be represented by a fellow competitor or club member provided that such a representative is not a practicing lawyer or attorney;
- f. The protestor or the parties that are been protested, may present witnesses, On Board footage or video footage taken directly in the area of the COC for protest purposes;
- g. It shall remain the sole rights of the officials to call upon and use video footage in order to reach a conclusion;
- h. Should the accused wish to lodge a counter protest against the aggrieved party, the relevant steps need to be repeated.
- i. Should the accused not agree with the protest outcome, an independent Subject Matter Expert may be called in to investigate the matter further, at the accused expense, but arranged by the Committee. Only the matter rising from the protest will be investigated.
- j. Should the accused admit to any wrong doing, knowingly or unknowingly, the Clerk of the Course can cancel the protest with permission from the committee.
- k. Any protest pertaining to irregular engine modifications will be dealt with as follow:
  - i. The kart together with the race driver will be part of the protest procedure.

- ii. The kart will be impounded
  - iii. Both competitor and kart will be investigated and weight as per class rules
  - iv. Should the accused not allow the inspection or disregard the protest, it will be deemed admission of guilt with the penalty as set out in 13.8.
  - v. Where protests involve specific components such as engine parts that must be examined by the Zone 7 Technical committee, the said kart will be impounded by the officials in charge and put in custody of the Technical committee, who will be responsible for providing said kart to Zone 7 Impound area. Zone 7 officials may at their discretion open the engines on any race day after the finals have been completed.
  - vi. All engines used during the race are part of the protest procedure and is subject to inspection should the Technical Committee and Zone 7 Karting Committee deem it necessary.
  - vii. Zone 7 has a Kart impound area where all inspections will take place. No kart shall leave the premises unless written approval is given by the owner of the kart should the inspection necessitates inspections that cannot be carried out at Zone 7.
- I. The following people will be part of the inspection:
- i. Clerk of the Course / Secretary who received the Protest
  - ii. Zone 7 Chairperson and/ or committee member
  - iii. Driver / pitmac who will open components for the inspection
  - iv. Technical director and / or members of the Technical Committee who will conduct the inspection
  - v. No other people will be allowed at the inspection. The aggrieved party will be allowed as a witness to the inspection.
  - vi. The class captain is also allowed as witness but will not be allowed an input/opinion

**13.8. OUTCOME**

Should the protested be found NOT guilty, he will receive R500 of the protest fee. The balance will go to the club. Should protested be found guilty, R1000 will be paid back to the aggrieved party, the accused will be held liable for the R1000 payable to the club and he will forfeit his points for the race in which the grievance was actioned, he will also loose all accumulated season points. If found illegal for a 2nd time in the season all points will be lost and the driver will receive a 2-race meeting ban.

If the protest is disallowed the aggrieved party shall forfeit the protest fee to Zone 7. The decision of the technical committee is final. The results may be made public and no appeal will be granted.

In case the committee or Clerk of the Course or technical director chooses to lay claim on a kart because of suspected wrong doing, no fees / claims will be applicable regardless of the outcome of the inspection. Should the competitor be found guilty in such instance, the competitor will forfeit is club points for the race, and / or the season, as decided by the Zone 7 Committee.

Should it be found that a kart is outside his engine specs, the competitor will forfeit the complete season points and his cart will have to be re-inspected prior to entering for the next race.

Should a person be found guilty a second time for the same wrong doings, he will automatically forfeit his season club points and depending on the committee may have a 2-race ban.

**13.9. PRIZE-GIVING IN THE EVENT OF A PROTEST BEING LODGED**

Should a protest be received, and no findings available due to the requirement of the protest, no trophies will be issued until the protest is resolved.

## **14. GENERAL KART SPECIFICATIONS:**

### **14.1. FRAME**

Main frame members shall be constructed of nominally round tubing, allowing for normal distortion and elongation near bend ratios. Minimum diameter for main frame members is 25,4mm and maximum diameter is 35 mm. Minimum tubing wall thicknesses at 1.6mm. The mounting points need to be welded forming a solid structure in correlation to the engine providing safety for the competitor, competitors, and spectators. No protruding pipes past the end or sides of the kart that can cause harm to other competitors or karts. The outside measurements of the kart may not be more than 2000mm x 1400mm.

### **14.2. ROLL CAGE**

A roll cage must be fitted where the class requires eg. Wings. Should another class want to ride with rollcages, all riders must agree – Prior approval from the Committee must be requested.

Cage constructed out of ferrous metal with min OD of 21mm & min wall thickness 2mm or 25mm OD & 1.6mm wall thickness.

Frame to no less than 100mm above driver's head.

A minimum bend radius of 90 degrees is allowed.

If roll cage is fitted, aluminium seat and minimum 4-point harness required. The seat minimum 3mm thickness, back section must be at least 100mm higher than your shoulders.

### **14.3. FLOOR PAN AND SEAT**

These items shall be of a design that would prevent any portion of driver's body to pass between these components to the track surface. A full floor or belly pan is allowed providing it is within the area inside of the main frame rails and is no higher than the centre of the rear axle.

SEATS: Seat must be of one-piece or moulded construction with a bucket-shaped design. Aluminium will be allowed.

Seat must securely locate driver laterally and longitudinally. Seat must bolt securely to the frame at a minimum of four different locations. Only solid spacers may be used to position the seat. The use of rubber mountings or ready-bolt (threaded bar) for this purpose is not allowed. No lay down seats allowed. Covers are allowed permitting that it is completely stuck to the seat; no loose covers will be permitted as this is a safety hazard.

### **14.4. REAR BUMPER**

Rear bumper must be a rectangular shaped loop with rounded ends. The bumper should protect both the rear wheels. A straight length of tubing will not be permitted as rear bumper. The bumper must be constructed of 25mm maximum diameter steel tubing with a 1,6mm wall thickness and positioned so that: Maximum Height: 220mm (as raced) Minimum Height: no lower than rear axle. The bumper will not be mounted lower than the chassis. The use of plastic (karting bumper) or engineering plastic with rounded corners is allowed. These bumpers should cover half or more of the rear wheels if viewed from behind. The steel bumper may be covered with maximum 5mm Lexon or engineering plastic as mud flap or advertising.

NB: The overall width of the kart may not exceed 1,400m.

### **14.5. FRONT BUMPER**

Only original bumpers manufactured from plastic is allowed. No metal reinforcement may be used on or inside these bumpers. Reinforcement may only be used as anchor points and may not be the full length of the inside of the bumper.

### **14.6. WHEELS AND TYRES**

Only 2 front wheels and 2 back wheels allowed.

TYRES: Pneumatic, designed for racing application tyres only, maximum tyre size will be 7,1 x 11 x 5.

6" Rear wheels and tyres allowed for Wing karts, 300 wing karts, Open Class and Beetles.

No restriction on type of tyres.

WHEELS: Material optional but must be of proven design capable of maintaining tyre bead seal in competition conditions.

14.7. **AXLES AND HUBS**

WHEEL HUBS: Must be constructed of metallic materials. Wheels are to be secured by using either bolts or studs.

WHEEL BEARINGS: Round ball or roller-type bearings only. Wheel bearings must be adjusted so there is no excessive wheel play.

REAR AXLE ASSEMBLY: Axles may be solid or tubular of one-piece design. Minimum diameter is 25mm and maximum axle diameter is 50mm. Axles must be of a ferrous material. Both driving wheels must be locked to the rear axle with a "live" axle design.

14.8. **STEERING**

Steering must be of direct, mechanical type.

STEERING SHAFT and all other steering components may not be manufactured from High Tensile or Stainless steel. Bolts and fasteners are excluded.

STEERING WHEEL: Steering wheels should have a minimum 250mm diameter and minimum 2 spoke design.

14.9. **BRAKES**

MINIMUM BRAKES: All karts must have brakes working in such a manner to at minimum, brake both rear wheels equally and adequately. Brake pedal must be secured to the kart with safety lock nuts.

Any hydraulic or cable brakes are allowed on the back axle.

DUAL BRAKING: Dual braking systems (front and rear) are only allowed in the following classes; 300's, Super Mods, Open Class, Beetles and Wing karts.

No scrub or band type brakes allowed.

Master cylinder actuating rod must be at least 6mm diameter solid steel rod without any welding done onto it, or a cable of at least 3mm diameter with positive fasteners at each end. Connector blocks may not be used for this purpose.

Only Crosby clamps allowed or else professionally made cables to be used.

14.10. **CHAIN GUARD**

The kart should be fitted with a channel shaped chain guard constructed of ferrous metal not thinner than 2mm or Non-ferrous metal not thinner than 5mm to avoid injuries in case of breakage.

The entire chain, when viewed from above, must be covered.

The chain guard shall be closed in front to cover the whole clutch and should give adequate protection on the sides to prevent any possible contact with the clutch or chain.

All seems to be welded.

The chain guard must be mounted with a minimum of two mounting points.

The clutch area of the wing chain guard needs to be adequately protected to prevent the lap safety belt from being lodged into the chain/clutch area which may lead to serious injury.

14.11. **FUEL SYSTEM**

TANKS: The original gravity feed fuel tank may be used. If using any other fuel tank, the tank must be securely fastened to primary frame / structure / floor pan of the kart. Fuel tank must be located within main frame rails beneath the steering shaft unless integral part of engine. Maximum of one fuel tank permitted with maximum 5 litre capacity. Fuel tanks must be constructed of puncture-resistant material and have a secure, leak-proof fill closure. No pressurized fuel systems are allowed.

FUEL: Only commercial fuel or Aviation fuel (AVGAS) may be used, unless otherwise stipulated herein. No other type of fuel will be allowed. Methanol will NOT be allowed under any circumstances.

Allowed octane is 95 to 109 (This excludes beetle class, beetle class to use 95 pump fuels only).

14.12. **BODYWORK**

IMPORTANT: No kart will be allowed on track with anything resembling mud guards. Mud flaps may be placed behind front wheels but may not be higher than the side pod and must be constructed of Lexon or engineering plastic. No fibre glass, or plastic that is liable to shatter under impact, like Perspex, may be used on a kart.

WORKMANSHIP: General suitability for competition, workmanship and appearance of kart will be considered in approving it for entry in an event. Decision of the race officials is final.

APPEARANCE: All bodywork must be neat in appearance and in good repair. Bodywork that appears loose and in danger of falling off may subject the entrant to black flag and/or disqualification during the running of an event.

14.13. **EXHAUSTS**

Exhausts must face in a downwards angle. No exhaust may protrude the rear bumper. Exhausts must have 3 mounting points.

14.14. **STEERING FAIRING (BIB)**

A fairing may extend from the front bumper rearward on an angle roughly paralleling the steering shaft. No portion of the steering fairing may be located within 75mm of any part of the steering wheel.

14.15. **SIDE PANELS / PODS**

Side panels or pods to be used and must be securely mounted. Plastic side pods are preferred. These may, however, be replaced with a tubular nerf bar covered with Lexon / engineering plastic. Nerf bars must be constructed of minimum 20mm diameter steel tubing and must be secured by a minimum M6 HT bolt. The rear portion of the nerf bar may not protrude laterally beyond the rear tyre. This may not have any sharp corners or edges that may cause injury to any competitor.

NB: No fibre glass, or plastic that is liable to shatter under impact, like Perspex, may be used on a kart. No sharp edges allowed

14.16. **NUMBERS AND NUMBER PANELS**

Four numbers are to be displayed on the kart, one at the front centre (number bib) of the vehicle as viewed from the front and at the rear of the vehicle (Bumper) as viewed from behind, and one on each side of the kart. A maximum of Three digits may be used. Digits must be 150mm high and may only be Black on Yellow. Rear number to be mounted on bumper (plastic) or plastic number plate (steel bumper). Numbers must be in a block shape format (Preferably "**IMPACT FONT**"), No fancy lettering and No numbers allowed on seat. Numbers may not touch each other.

Wings classes must ensure the numbers are clearly displayed on the front of the kart, the rear of the kart, as well as on the sides of the Wings and the roof of the Wing. On the sides of the wings, although they may be any colour numbering, this must have a clear contrast, with minimum 150mm.

The winners of each class from the previous year's championship will be allowed to ride with white numbering on black background for the next season. Having been allocated nr 1 – 3 numbers for the year. Their original race number will be reserved for them for the year of victory racing.

The race number allocated by the race secretary to the driver/competitor will be carried throughout all classes for example no Z10 allocated to a competitor in the 270 Class will be carried throughout all classes giving the competitor the opportunity to compete in other classes without having to change his/her number. This decision has been taken to alleviate duplicate numbers and assist lap scoring.

Kart numbers are to be requested from the Race Secretary for the year. No exceptions from the above rule will be entertained. Should a driver not take-out membership for 1 year, the number will be recycled to allow other drivers to use the number. For the 2022 year, there are still duplicate numbers; this will be phased out over time, with the more Senior Driver retaining preference. Family members may carry the same number.

#### 14.17. ELECTRICAL

CUT-OFF/CUT OUT SWITCH: All karts must have a functional cut-out switch to be mounted on the side of the number bib marked with red.

Cut-out switch must be a toggle switch.

A loose wire to short-circuit will not be tolerated.

BATTERY: Where a kart is fitted with a battery, it must have a metal hold-down bracket over it and be clamped down with at least 2 x M6 bolts. Tie-down straps and/or cable ties may not be used.

#### 14.18. MISCELLANEOUS

THROTTLE RETURN: It is compulsory for all karts to be equipped with positive acting dual throttle return springs.

INSPECTION MARKING: Method of engine and/or tyre marking is at the discretion of the officials in charge. Any means undertaken by a competitor to duplicate, counterfeit or otherwise avoid normal component-marking procedures is cause for immediate disqualification and possible suspension of membership privileges.

PEDAL MOUNTING: Front bumper that incorporate pedal mounting points must be either welded to the frame or through-bolted. Both pedals must be equipped with return springs.

SUSPENSION: Use of suspension components of any type, including springs, shocks, etc., is prohibited.

TRANSMISSION: No transmission, gearbox or other device which permits a change of gear/sprocket ratios while the vehicle is in motion is allowed. Torque converters and CVTs are prohibited.

DIFFERENTIALS / WHEEL DRIVE or WHEEL STEER: The use of differentials or any differential type of rear axle or any type of system that permits the rear wheels to turn independently of each other is not permitted. Front wheel drive, four-wheel drive, rear steer, and four-wheel steer are not permitted.

DRIVER AND WEIGH-IN: In all cases, minimum weight is defined as total weight of driver and kart in as-raced condition. All drivers may be subjected to a minimum combined kart/driver weight check. Mounting of weights to nerf bars, front bumpers and rear bumpers is prohibited.

- All weights must be WHITE in colour for visibility. All additional weight pieces to be bolted down:
- 1kg and less = 1 x M8 HT bolt + nyloc;
- More than 1 kg = 2 x M8 HT bolts + nyloc's.
- No cable ties / temporary fasteners may be used. No added weight allowed on driver.

### 15. ENGINE RULES & CLASS RULES

- The following rules will be applicable to all karts competing in events staged by ZONE 7 DIRT KARTING during the 2022 Racing Season. **REMEMBER – if it's not stipulated – it's not allowed.**
- Honda or Hoffmann GX type 4-stroke engines / or as approved by Zone 7 Technical Director and Committee. These are the only engines that will be used to participate in the classes mentioned below, unless otherwise stipulated.
- Briggs and Stratton engines allowed in 300cc, 390 Mods, Super Mods and Wing karts only.
- Participants will only be allowed to use an engine as per specific class rules for the class competing in.
- A pulse fitting for fuel pump may be fitted.
- Electric starters may be fitted.
- Engineering allowed in all classes for repairing and bringing back parts to fall within specification according to this rule book. (All engineering **MUST** be Inspected and approved by the Technical head)

15.1. **NEWBIE CLASS: 160/200cc STANDARD**

This is not a championship class, no points will be scored for the championship, Maximum one year, at the discretion of the committee drivers can be moved up to the next class. Only participation trophies will be relevant for the day. This is a standard class. Open to competitors from the year of their 5<sup>th</sup> birthday to 31<sup>st</sup> December of the year in which their 12<sup>th</sup> birthday occurs.

Minimum weight - 95Kg

The engine (Honda / Hoffmann / or as approved by Zone 7 Technical Director and Committee) must comply with the original 160/200cc specifications. The following changes are permitted:

- Machine crankshaft to fit a bearing on big end.
- Machine connecting rod to fit big end bearing.
- Machine crankshaft end to fit a clutch.
- Remove low oil sensor and governor.
- Skimming of cylinder head.
- An electric starter may be fitted.
- Air cleaner and exhaust may be replaced.
- Top mount fuel tank may be removed, and a pulse fitting may be fitted for the fuel pump. No electric fuel pumps.
- No other machining allowed.

<b>15.1.1 Engine maximum size</b>	166cc/204cc
<b>15.1.2. Engine type</b>	Honda GX and Clone only, No Briggs and Stratton
<b>15.1.3 Cylinder head</b>	Cylinder head combustion chamber must have a capacity of not less than 12cc when plug is fitted. Only skimming allowed. No welding. No porting or polishing of ports allowed.
<b>15.1.4 Head gasket</b>	Original Honda / Hoffmann / or as approved by Zone 7 Technical Director and Committee head gasket for this engine only. No handcrafted head gaskets allowed.
<b>15.1.5 Valve springs</b>	Springs – 29 – 30,5mm free length Must stay original as per manufacturer spec
<b>15.1.6 Valves</b>	Diameters: Intake head – 25mm max. Intake stem – 5,318mm – 5,48mm Exhaust head – 24mm max Exhaust stem – 5,275mm – 5,44mm
<b>15.1.7 Cotters and retainers</b>	Must stay original as per manufacturer spec
<b>15.1.8 Valve rockers</b>	Must stay original as per manufacturer spec
<b>15.1.9 Pushrods</b>	Must stay original as per manufacturer spec
<b>15.1.10 Piston</b>	Must stay original as per manufacturer spec 68mm (160cc) / 68mm(200cc) 0,5mm oversize allowed May not protrude the block No machining allowed
<b>15.1.11 Conrod</b>	Must stay original as per manufacturer spec (machining allowed for bearing)
<b>15.1.12 Crankshaft</b>	Must stay original as per manufacturer spec 45mm stroke (160cc) / 54mm (200cc) (machining allowed for clearances clutch & bearing)
<b>15.1.13 Flywheel</b>	Must stay original as per manufacturer spec, original key and keyway, no machining allowed. Only original Cast iron flywheels allowed.
<b>15.1.14 Flywheel key</b>	Key must be in place, and original as per manufacturers spec
<b>15.1.15 Fan</b>	Must stay original as per manufacturer spec
<b>15.1.16 Coil</b>	Must stay original as per manufacturer spec, 6mm bolts to be used, mounted on original mounting points, bolts and coil may not be machined
....15.1 NEWBIE CLASS: 160/200cc STANDARD	

....15.1 NEWBIE CLASS: 160/200cc STANDARD .... Continues

<b>15.1.17 Ignition timing</b>	No alteration of ignition timing allowed
<b>15.1.18 Air cleaner and air cleaner intake</b>	Intake and filter, no limitation Must have safety cable, chain or bracket attached to filter
<b>15.1.19 Carburettor</b>	Must stay original as per manufacturer spec, 18mm or 19mm butterfly, jetting allowed. A 14mm restrictor plate (as supplied by Zone 7) must be fitted.
<b>15.1.20 Isolator block</b>	Must stay original 7mm isolator block must be in position no machining allowed; Gaskets may be matched to carburettor and intake port.
<b>15.1.21 Exhaust</b>	No limitation, must have 3 mounting points
<b>15.1.22 Camshaft</b>	Original standard Honda / Hoffmann / or as approved by Zone 7 Technical Director and Committee camshaft for this engine only. Maximum cam height allowed: Intake = 28mm, Exhaust = 28mm. No re-profiling / machining allowed.
<b>15.1.23 Wheels and Tyres</b>	Only 5" high wheels allowed
<b>15.1.24 Starter</b>	Pull starter and electric starter allowed

**NO engineering tolerance will be allowed. Any changes not stipulated above are not permitted.**



## 15.2. JUNIORS: 160/200cc STANDARD

This is a standard class Open to competitors from the year of their 5<sup>th</sup> birthday to 31<sup>st</sup> December of the year in which their 14<sup>th</sup> birthday occurs. The engine (Honda / Hoffmann / / or as approved by Zone 7 Technical Director and Committee) must comply with the original 160/200cc specifications.

Minimum weight - 105Kg

The following changes are permitted:

- Machine crankshaft to fit a bearing on big end.
- Machine connecting rod to fit big end bearing.
- Machine crankshaft end to fit a clutch.
- Remove low oil sensor and governor.
- Skimming of cylinder head.
- An electric starter may be fitted.
- Air cleaner and exhaust may be replaced.
- Top mount fuel tank may be removed, and a pulse fitting may be fitted for the fuel pump. No electric fuel pumps.
- No other machining allowed, unless specified below.

<b>15.2.1 Engine maximum size</b>	166cc/199cc
<b>15.2.2 Engine type</b>	Honda GX or "look alike" (Chinese Motors), No Briggs and Stratton
<b>15.2.3 Cylinder head</b>	Cylinder head combustion chamber must have a capacity of not less than 12cc when plug is fitted. Only skimming allowed. No welding. No porting or polishing of ports allowed.
<b>15.2.4 Head gasket</b>	Original Honda / Hoffmann / or as approved by Zone 7 Technical Director and Committee, head gasket for this engine only. No handcrafted head gaskets allowed.
<b>15.2.5 Valve springs</b>	Springs - 29 - 30,5mm free length. Must stay original as per manufacturer spec.
<b>15.2.6 Valves</b>	Original Honda or "look alike" 200cc allowed. No Competition parts will be allowed. Diameters: Intake head – 25mm max. Intake stem – 5,318mm – 5,48mm Exhaust head – 24mm max Exhaust stem – 5,275mm – 5,44mm
<b>15.2.7 Cotters and retainers</b>	Must stay original as per manufacturer spec.
<b>15.2.8 Valve rockers</b>	Original Honda or "look alike" 200cc rockers allowed. No Competition parts will be allowed.
<b>15.2.9 Pushrods</b>	Must stay original as per manufacturer spec.
<b>15.2.10 Piston</b>	Must stay original as per manufacturer spec 68mm Piston only. 0,5mm oversize allowed- May not protrude the block. No machining allowed.
<b>15.2.11 Conrod</b>	Must stay original as per manufacturer spec (machining allowed for bearing).
<b>15.2.12 Crankshaft</b>	Must stay original as per manufacturer spec 54mm Stroke (machining allowed for clearances clutch & bearing).
<b>15.2.13 Flywheel &amp; Cooling Fan</b>	Must stay original as per manufacturer spec, original key and keyway, no machining allowed. Only Cast iron flywheels allowed. Cooling fan compulsory – must remain standard – no alterations allowed.
<b>15.2.14 Flywheel key</b>	Key must be in place, and original as per manufacturers spec
<b>15.2.15 Coil</b>	Must stay original as per manufacturer spec, 6mm bolts to be used, mounted on original mounting points, bolts and coil may not be machined.
<b>15.2.16 Ignition timing</b>	No alteration of ignition timing allowed.
<b>15.2.17 Air cleaner and air cleaner intake</b>	Intake and filter, no limitation. Must have safety cable, chain or bracket attached to filter.
....15.2 JUNIORS: 160/200cc STANDARD	

....15.2 JUNIORS: 160/200cc STANDARD .... Continues

<b>15.2.18 Carburettor</b>	Must stay original as per manufacturer spec, 18mm or 19mm butterfly, jetting allowed. No adjustable main jets. Mounting points to remain standard.
<b>15.2.20 Isolator block</b>	Must stay original 7mm isolator block must be in position no machining allowed; Gaskets may be matched to carburettor and intake port.
<b>15.2.21 Exhaust</b>	No limitation, must face downward and must have 3 mounting points
<b>15.2.22 Camshaft</b>	Original standard Honda / Hoffmann / or as approved by Zone 7 Technical Director and Committee camshaft for this engine only. Maximum cam height allowed: Intake = 28mm, Exhaust = 28mm. No re-profiling / machining allowed.
<b>15.2.23 Wheels and Tyres</b>	Only 5" high wheels allowed
<b>15.2.24 Starter</b>	Pull starter and electric starter allowed

**No engineering tolerance will be allowed. Any changes not stipulated above are not permitted.**

### 15.3. JUNIORS: 160CC / 200CC PRO

Open to competitors from the year of their 9th birthday to 31st December of the year in which their 14th birthday occurs.

Minimum weight - 105kg

The following changes are permitted:

- Machine crankshaft to fit a bearing on big end.
- Machine connecting rod to fit big end bearing.
- Machine crankshaft end to fit a clutch.
- Remove low oil sensor and governor.
- Skimming of cylinder head.
- An electric starter may be fitted.
- Air cleaner and exhaust may be replaced.
- Top mount fuel tank may be removed, and a pulse fitting may be fitted for the fuel pump. No electric fuel pumps.
- No other machining allowed, unless specified below.

<b>15.3.1 Engine maximum size</b>	166cc / 206cc
<b>15.3.2 Engine type</b>	Honda GX and Clone only, No Briggs and Stratton
<b>15.3.3 Cylinder head</b>	Porting allowed Welding and Machining allowed Minimum combustion chamber size 12cc with spark plug in place
<b>15.3.4 Head gasket</b>	Must stay original as per manufacturer spec, includes steel gasket
<b>15.3.5 Valves</b>	Intake head size 25mm                      Exhaust head size 24mm Aftermarket valves allowed Machining allowed
<b>15.3.6 Valve springs</b>	No limitation
<b>15.3.7 Cotters and retainers</b>	No limitation
<b>15.3.8 Valve rockers</b>	1.3 to 1 ratio rockers only No other limitation
<b>15.3.9 Pushrods</b>	No limitation
<b>15.3.10 Piston</b>	Maximum 68.5mm No dome pistons May not protrude the block
<b>15.3.11 Conrod</b>	No limitation
<b>15.3.12 Crankshaft</b>	Must stay original as per manufacturer spec 45mm or 54mm Stroke (machining allowed for clearances, clutch & bearing)
<b>15.3.13 Flywheel</b>	Must stay original as per manufacturer spec. Includes GXV160 aluminium flywheels. No Machining allowed.
<b>15.3.14 Flywheel key</b>	No limitation
<b>15.3.15 Fan</b>	Must stay original as per manufacturer spec
<b>15.3.16 Coil</b>	Must stay original as per manufacturer spec
<b>15.3.17 Ignition timing</b>	No limitation
.....15.3 JUNIORS: 160CC / 200CC PRO	

....15.3 JUNIORS: 160CC / 200CC PRO .... Continues

<b>15.3.18 Air cleaner and air cleaner intake</b>	No limitation Must have safety cable, chain or bracket attached to filter
<b>15.3.19 Carburettor</b>	Honda GX type carburettor only - 18mm or 19mm butterfly Jetting allowed. Machining allowed
<b>15.3.20 Isolator block</b>	Spacer block allowed, Maximum 40mm thick Machining allowed
<b>15.3.21 Exhaust</b>	No limitation, Must face downwards and must have 3 mounting points
<b>15.3.22 Camshaft</b>	No limitation
<b>15.3.23 Wheels and Tyres</b>	Only 5" High Wheels allowed
<b>15.3.24 Starter</b>	Pull starter and electric starter allowed

**No engineering tolerance will be allowed. Any changes not stipulated above are not permitted.**

#### 15.4. **270CC CLASS**

Open to competitors from the year of their 11th birthday. New driver's, will be required to start at the back of the pack, and carry an X over their number, for a minimum of 3 events.

Minimum weight - 150Kg.

<b>15.4.1 Engine maximum size</b>	274cc
<b>15.4.2 Engine type</b>	Honda GX and Clone only, No Briggs and Stratton
<b>15.4.3 Cylinder head</b>	No limitation
<b>15.4.4 Head gasket</b>	Must stay original as per manufacturer spec, includes steel gasket
<b>15.4.5 Valves</b>	Head: Intake Valve: 30mm (Max)                      Head: Exhaust Valve: 26mm (Max) Stem: Intake Valve: 6,44mm – 6.59mm              Stem: Exhaust Valve: 6,40mm – 6,55mm
<b>15.4.6 Valve springs</b>	Original Honda or “Look alike” Valve springs with a Free length 37.5mm – 39mm
<b>15.4.7 Cotters and retainers</b>	Original Honda or “Look alike”
<b>15.4.8 Valve rockers</b>	1.2 to 1 ratio rockers only Champion rockers allowed as per ratio stipulated No other limitation
<b>15.4.9 Pushrods</b>	No limitation
<b>15.4.10 Piston</b>	Maximum 77.5mm No dome pistons May not protrude the block Machining allowed for conrod
<b>15.4.11 Conrod</b>	No limitations but must comply with original stroke and standard length as per Manufacturers Specifications
<b>15.4.12 Crankshaft</b>	Must stay original as per manufacturer spec 58mm Stroke (machining allowed for clearances, clutch & bearing) Balancing allowed
<b>15.4.13 Flywheel</b>	Must stay original as per manufacturer spec, No Machining allowed
<b>15.4.14 Flywheel key</b>	Standard Key – No timing adjustment permitted
<b>15.4.15 Fan</b>	Must stay original as per manufacturer spec
<b>15.4.16 Coil</b>	Must stay original as per manufacturer spec
<b>15.4.17 Ignition timing</b>	Must stay original as per manufacturer spec
<b>15.4.18 Air cleaner and air cleaner intake</b>	No limitation Must have safety cable, chain or bracket attached to filter
<b>15.4.19 Carburettor</b>	Honda GX type carburettor only 23mm butterfly Jetting allowed – Adjustable main jets allowed No Machining allowed – Original mounting points
<b>15.4.20 Isolator block</b>	Up to 50mm spacer block allowed Only one allowed Machining allowed
<b>15.4.21 Exhaust</b>	No limitation, must face downwards and have 3 mounting points
<b>15.4.22 Camshaft</b>	No limitation
<b>15.4.23 Wheels and Tyres</b>	Only 5” High wheels allowed
<b>15.4.24 Starter</b>	Pull starter and electric starter allowed

**No engineering tolerance will be allowed. Any changes not stipulated above are not permitted.**

15.5. **390CC STANDARD - LADIES**

Open to competitors from the year of their 16th birthday.

Minimum weight - 170kg

The engine (Honda / Hoffmann / or as approved by Zone 7 Technical Director and Committee), must comply with the original 390cc specifications. The following changes are permitted:

- Machine crank shaft to fit a bearing on big end.
- Machine connecting rod to fit big end bearing.
- Skimming of cylinder head and machining spring seat to allow Hoffmann valves.
- Remove low oil sensor and governor.
- An electric starter may be fitted.
- Valves Air cleaner and exhaust may be replaced.
- Top mount fuel tank may be removed, and a pulse fitting may be fitted for the fuel pump.
- Valves may be machined to fit cotters and to cut stem length only.
- No other machining allowed, unless specified below.

<b>15.5.1 Engine maximum size</b>	395cc
<b>15.5.2 Engine casing</b>	Honda / Hoffman / small plant / "Look alike" or as approved by Zone 7 Technical Director and Committee (Chinese motors) 340-390cc.
<b>15.5.3 Valves and springs</b>	Any valve may be used, on the following conditions: Valve head diameter to correspond with original Hoffmann/ Honda / or as approved by Zone 7 Technical Director and Committee valves for this engine. Length of valve stems to correspond with original Hoffmann/ Honda / or as approved by Zone 7 Technical Director and Committee valves for this engine. Original Hoffmann/Honda / or as approved by Zone 7 Technical Director and Committee 390cc valve springs with 37.5-39.0mm free length to be used only. Only machining allowed on valve will be cutting to length and grooving for cotters.
<b>15.5.4 Valve rockers</b>	Must stay original as per Manufacturer spec. Rocker 1:1; No 270cc or NR Rockers allowed
<b>15.5.5 Diameter of valve head</b>	Intake: 35mm Max.                      Exhaust: 31mm Max
<b>15.5.6 Diameter of valve stem</b>	Intake: 6.4mm - 6.6mm                      Exhaust: 6.4mm - 6.6mm
<b>15.5.7 Piston and Rings</b>	Original Honda / Hoffmann / or as approved by Zone 7 Technical Director and Committee, pistons and rings for this engine only to a maximum of 50 <sup>TH</sup> oversize. No machining on piston allowed. Dish or Flattop (Honda / Hoffman / Small Plant) allowed. Ring size 3mm or 1.5mm. Piston may not protrude above bore. 88.5mm maximum diameter.
<b>15.5.8 Crank and Conrod</b>	Original Honda / Hoffmann / Small plant or Look alike or as approved by Zone 7 Technical Director and Committee 390cc 64mm stroke crankshaft. It can only be machined to fit the big end bearing and clutch. No Impact conrods allowed.
<b>15.5.9 Flywheel and cooling fan</b>	Original standard 390cc Cast Iron flywheel (pull start) or ring gear flywheel (electric start) no machining allowed and standard key to be fitted. No UTZ Flywheels allowed. No alteration of ignition timing. Standard 390cc cooling fan to be fitted, no alterations allowed – No 270cc Cooling Fans allowed.
<b>15.5.10 Coil</b>	Original standard 390cc coil and M6 bolts no machining allowed and original mounting points.
.....15.5 390CC STANDARD - LADIES	

<b>15.5.11 Air Cleaner</b>	Air cleaner may be replaced and safety cable from air cleaner to motor to be fitted.
<b>15.5.12 Carburettor</b>	Honda / Hoffmann / or as approved by Zone 7 Technical Director and Committee 390cc carburettor for this engine only. Butterfly size = 27mm; No adjustable main jets allowed, and no machining allowed. Choke must be fitted.
<b>15.5.13 Isolator Block</b>	Original 15mm isolator block must be in position no machining allowed. Gaskets may be matched to carburettor and intake port.
<b>15.5.14 Cylinder head</b>	Cylinder head combustion chamber must have a capacity of not less than 36cc when plug is fitted only skimming allowed no welding. No porting or polishing of ports allowed.
<b>15.5.15 Head gasket</b>	Original Honda / Hoffmann / or as approved by Zone 7 Technical Director and Committee head gasket for this engine only.
<b>15.5.16 Exhaust</b>	Exhaust may be replaced but must face downwards. Must have 3 mounting points.
<b>15.5.17 Camshaft</b>	Any Cam, locally cut, self made are allowed. Maximum Lift allowed: 6.7 Intake/Exhaust (Max)
<b>15.5.18 Wheels and Tyres</b>	Only 5" High Wheels allowed.

**No engineering tolerance will be allowed. Any changes not stipulated above are not permitted. No balancing allowed.**

## 15.6. 390CC STANDARD CLASS

Open to competitors from the year of their 16th birthday.

Minimum weight - 180kg

The engine (Honda / Hoffmann / or as approved by Zone 7 Technical Director and Committee), must comply with the original 390cc specifications. The following changes are permitted:

- Machine crank shaft to fit a bearing on big end.
- Machine connecting rod to fit big end bearing.
- Skimming of cylinder head and machining spring seat to allow Hoffmann valves.
- Remove low oil sensor and governor.
- An electric starter may be fitted.
- Valves Air cleaner and exhaust may be replaced.
- Top mount fuel tank may be removed, and a pulse fitting may be fitted for the fuel pump.
- Valves may be machined to fit cotters and to cut stem length only.
- No other machining allowed, unless specified below.

<b>15.6.1 Engine maximum size</b>	395cc
<b>15.6.2 Engine casing</b>	Honda / Hoffman / small plant / "Look alike" or as approved by Zone 7 Technical Director and Committee (Chinese motors) 340-390cc.
<b>15.6.3 Valves and springs</b>	Any valve may be used, on the following conditions: Valve head diameter to correspond with original Hoffmann/ Honda / or as approved by Zone 7 Technical Director and Committee valves for this engine. Length of valve stems to correspond with original Hoffmann/ Honda / or as approved by Zone 7 Technical Director and Committee valves for this engine. Original Hoffmann/Honda / or as approved by Zone 7 Technical Director and Committee 390cc valve springs with 37.5-39.0mm free length to be used only. Only machining allowed on valve will be cutting to length and grooving for cotters.
<b>15.6.4 Valve rockers</b>	Must stay original as per Manufacturer spec. Rocker 1:1; No 270cc or NR Rockers allowed
<b>15.6.5 Diameter of valve head</b>	Intake: 35mm Max.                      Exhaust: 31mm Max
<b>15.6.6 Diameter of valve stem</b>	Intake: 6.4mm - 6.6mm                      Exhaust: 6.4mm - 6.6mm
<b>15.6.7 Piston and Rings</b>	Original Honda / Hoffmann / or as approved by Zone 7 Technical Director and Committee, pistons and rings for this engine only to a maximum of 50 <sup>TH</sup> oversize. No machining on piston allowed. Dish or Flattop (Honda / Hoffman / Small Plant) allowed. Ring size 3mm or 1.5mm. Piston may not protrude above bore. 88.5mm maximum diameter.
<b>15.6.8 Crank and Conrod</b>	Original Honda / Hoffmann / Small plant or Look alike or as approved by Zone 7 Technical Director and Committee 390cc 64mm stroke crankshaft. It can only be machined to fit the big end bearing and clutch. No Impact conrods allowed.
<b>15.6.9 Flywheel and cooling fan</b>	Original standard 390cc Cast Iron flywheel (pull start) or ring gear flywheel (electric start) no machining allowed and standard key to be fitted. No UT2 Flywheels allowed. No alteration of ignition timing. Standard 390cc cooling fan to be fitted, no alterations allowed – No 270cc Cooling Fans allowed.
<b>15.6.10 Coil</b>	Original standard 390cc coil and M6 bolts no machining allowed and original mounting points.
<b>15.6.11 Air Cleaner</b>	Air cleaner may be replaced and safety cable from air cleaner to motor to be fitted.
<b>....15.6 390CC STANDARD</b>	



<i>....15.6 390CC STANDARD .... Continues</i>	
<b>15.6.12 Carburettor</b>	Honda / Hoffmann / or as approved by Zone 7 Technical Director and Committee 390cc carburettor for this engine only. Butterfly size = 27mm; No adjustable main jets allowed, and no machining allowed. Choke must be fitted.
<b>15.5.13 Isolator Block</b>	Original 15mm isolator block must be in position no machining allowed. Gaskets may be matched to carburettor and intake port.
<b>15.5.14 Cylinder head</b>	Cylinder head combustion chamber must have a capacity of not less than 36cc when plug is fitted only skimming allowed no welding. No porting or polishing of ports allowed.
<b>15.6.15 Head gasket</b>	Original Honda / Hoffmann / or as approved by Zone 7 Technical Director and Committee head gasket for this engine only.
<b>15.6.16 Exhaust</b>	Exhaust may be replaced but must face downwards. Must have 3 mounting points.
<b>15.6.17 Camshaft</b>	Any Cam, locally cut or self made are allowed. Maximum Lift allowed: 6.7 Intake/Exhaust (Max)
<b>15.6.18 Wheels and Tyres</b>	Only 5" High Wheels allowed.

**No engineering tolerance will be allowed. Any changes not stipulated above are not permitted. No balancing allowed.**

15.7. **390CC MODIFIED CLASS**

Open to competitors from the year of their 18th birthday.

Minimum Weight - 180kg

<b>15.7.1 Engine maximum size</b>	396cc
<b>15.7.2 Engine type</b>	Honda GX/Hoffman and Clone only, No Briggs and Stratton
<b>15.7.3 Cylinder head</b>	No limitation
<b>15.7.4 Head gasket</b>	Must stay original as per manufacturer spec, includes steel gasket
<b>15.7.5 Valves</b>	Intake head size - 37mm Exhaust head size - 32mm Aftermarket valves allowed Machining allowed
<b>15.7.6 Valve springs</b>	No limitation
<b>15.7.7 Cotters and retainers</b>	No limitation
<b>15.7.8 Valve rockers</b>	1.2 to 1 ratio rockers only No other limitation
<b>15.7.9 Pushrods</b>	No limitation
<b>15.7.10 Piston</b>	Maximum 88.5mm No dome pistons May not protrude the block
<b>15.7.11 Conrod</b>	No limitation
<b>15.7.12 Crankshaft</b>	Must be original as per manufacturer spec stroke 64mm stroke (machining allowed for clearances, clutch & bearing)
<b>15.7.13 Flywheel</b>	Must stay original as per manufacturer spec. No Machining allowed No UTZ Flywheels Allowed. No Aluminium Flywheels allowed
<b>15.7.14 Flywheel key</b>	No limitation
<b>15.7.15 Fan</b>	Must stay original as per manufacturer spec
<b>15.7.16 Coil</b>	Must stay original as per manufacturer spec. No UTZ Coils allowed. No NR Coils. 6mm Bold. No machining allowed. Original mounting points
<b>15.7.17 Ignition timing</b>	No limitation
<b>15.7.18 Air cleaner and air cleaner intake</b>	No limitation Must have safety cable, chain or bracket attached to filter
<b>15.7.19 Carburettor</b>	Honda GX type carburettor / look alike 27mm butterfly Jetting allowed Machining allowed
<b>15.7.20 Isolator block</b>	Machining allowed maximum 50mm thick, Aluminium or Teflon
<b>15.7.21 Exhaust</b>	No limitation. Must face downwards. Must have 3 mounting points
<b>15.7.22 Camshaft</b>	No limitation
<b>15.7.23 Wheels and Tyres</b>	Only 5" high wheels allowed
<b>15.7.24 Starter</b>	Pull starter and electric starter allowed

**No engineering tolerance will be allowed. Any changes not stipulated above are not permitted.**

15.8. **300CC CLASS**

Open to competitors from the year of their 14th birthday.

Minimum weight - 175kg (with Driver and Kit)

15.8.1 Engine maximum size	307cc
15.8.2 Engine type	Honda GX and Clone only, Briggs and Stratton allowed
15.8.3 Cylinder head	No limitation
15.8.4 Head gasket	No limitation
15.8.5 Valves	No limitation
15.8.6 Valve springs	No limitation
15.8.7 Cotters and retainers	No limitation
15.8.8 Valve rockers	No limitation
15.8.9 Pushrods	No limitation
15.8.10 Piston	No limitation
15.8.11 Conrod	No limitation
15.8.12 Crankshaft	No limitation
15.8.13 Flywheel	No limitation
15.8.14 Flywheel key	No limitation
15.8.15 Fan	No limitation
15.8.16 Coil	Must stay original as per manufacturer spec Briggs and Stratton or Honda GX (2 wire Coil)
15.8.17 Ignition timing	No limitation
15.8.18 Air cleaner and air cleaner intake	No limitation Must have safety cable, chain or bracket attached to filter
15.8.19 Carburettor	No limitation
15.8.20 Isolator block	No limitation
15.8.21 Exhaust	No limitation. Must face downwards. Must have 3 mounting points
15.8.22 Camshaft	No limitation
15.8.23 Wheels and tyres	Only 5" high wheels allowed
15.8.24 Starter	Pull starter and electric starter allowed

**No engineering tolerance will be allowed. Any changes not stipulated above are not permitted.**

15.9. **300cc WINGS**

Open to competitors from the year of their 14th birthday.

Minimum weight - 180kg

<b>15.9.1 Engine maximum size</b>	307cc
<b>15.9.2 Engine type</b>	Honda GX and Clone only, Briggs and Stratton allowed
<b>15.9.3 Cylinder head</b>	No limitation
<b>15.9.4 Head gasket</b>	No limitation
<b>15.9.5 Valves</b>	No limitation
<b>15.9.6 Valve springs</b>	No limitation
<b>15.9.7 Cotters and retainers</b>	No limitation
<b>15.9.8 Valve rockers</b>	No limitation
<b>15.9.9 Pushrods</b>	No limitation
<b>15.9.10 Piston</b>	No limitation
<b>15.9.11 Conrod</b>	No limitation
<b>15.9.12 Crankshaft</b>	No limitation
<b>15.9.13 Flywheel</b>	No limitation
<b>15.9.14 Flywheel key</b>	No limitation
<b>15.9.15 Fan</b>	No limitation
<b>15.9.16 Coil</b>	Must stay original as per manufacturer spec Briggs and Stratton or Honda GX
<b>15.9.17 Ignition timing</b>	No limitation
<b>15.9.18 Air cleaner and air cleaner intake</b>	No limitation Must have safety cable, chain or bracket attached to filter
<b>15.9.19 Carburettor</b>	No limitation
<b>15.9.20 Isolator block</b>	No limitation
<b>15.9.21 Exhaust</b>	No limitation, Must face downward. Must have 3 mounting points
<b>15.9.22 Camshaft</b>	No limitation
<b>15.9.23 Starter</b>	Pull starter and electric starter allowed
<b>15.9.24 Cage</b>	Cage constructed out of ferrous metal with min OD of 21mm & min wall thickness 2mm or 25mm OD & 1.6mm wall thickness Frame to no less than 100mm above Your head
<b>15.9.25 Wing</b>	Centre Wing: Length (front to back)                      Min - 750mm    Max - 1000 Width (left to right)                        Min - 900        Max - 1200 Side wings not to exceed                    600mm high x 1300mm long And no less than                                300mm high x 1100mm long Wing sides to be bend 45 degrees at top and bottom Must have left and right sides fitted on wing Front wing optional  Visitor wing class drivers are allowed to race with their own club wing dimensions, but must bring a copy of their club rule book
<b>15.9.26 Body and look</b>	Kart to be fitted with a midget "look-a-like" rear and front body kit
<i>....15.9 300CC WING</i>	
<i>....15.9 300CC WING .... Continues</i>	

<b>15.9.27 Nerf Bar</b>	Nerf bar to run a minimum gap between front and rear tyres Aluminium or steel allowed, minimum 22mm diameter with 1.5mm wall thickness or ferrous steel, minimum 19mm diameter with 2mm wall thickness Rear wheels may not protrude past the nerf bars
<b>15.9.28 Tyres and rims</b>	5" and 6" allowed
<b>15.9.29 Seat</b>	Must be aluminium, Minimum 3mm thickness, back section must be at least 100mm higher than Your shoulders
<b>15.9.30 Harness/safety belts</b>	Minimum 4 point harness/safety belts to be used

**No engineering tolerance will be allowed. Any changes not stipulated above are not permitted.**

15.10. **SUPERMODS:**

Open to competitors from the year of their 18th birthday.

Minimum Weight - 190kg

<b>15.10.1 Engine maximum size</b>	426cc
<b>15.10.2 Engine type</b>	Honda GX and Clone only, Briggs and Stratton allowed
<b>15.10.3 Cylinder head</b>	No limitation
<b>15.10.4 Head gasket</b>	No limitation
<b>15.10.5 Valves</b>	No limitation
<b>15.10.6 Valve springs</b>	No limitation
<b>15.10.7 Cotters and retainers</b>	No limitation
<b>15.10.8 Valve rockers</b>	No limitation
<b>15.10.9 Pushrods</b>	No limitation
<b>15.10.10 Piston</b>	No limitation
<b>15.10.11 Conrod</b>	No limitation
<b>15.10.12 Crankshaft</b>	No limitation
<b>15.10.13 Flywheel</b>	No limitation
<b>15.10.14 Flywheel key</b>	No limitation
<b>15.10.15 Fan</b>	No limitation
<b>15.10.16 Coil</b>	Must stay original as per manufacturer spec Briggs and Stratton or Honda GX
<b>15.10.17 Ignition timing</b>	No limitation
<b>15.10.18 Air cleaner and air cleaner intake</b>	No limitation Must have safety cable, chain or bracket attached to filter
<b>15.10.19 Carburettor</b>	No limitation
<b>15.10.20 Isolator block</b>	No limitation
<b>15.10.21 Exhaust</b>	No limitation Must have 3 mounting points
<b>15.10.22 Camshaft</b>	No limitation
<b>15.10.23 Wheels and Tyres</b>	Only 5" wheels allowed
<b>15.10.24 Starter</b>	Pull starter and electric starter allowed

**No engineering tolerance will be allowed. Any changes not stipulated above are not permitted.**

15.11. **WING KARTS: A**

Open to competitors from the year of their 18th birthday.

Minimum Weight - 200kg

<b>15.11.1 Engine maximum size</b>	466cc[AT1]
<b>15.11.2 Engine type</b>	Honda GX, Clone, Briggs and Stratton.
<b>15.11.3 Cylinder head</b>	No limitation (but subject to 14.11.2 - engine type)
<b>15.11.4 Head gasket</b>	No limitation
<b>15.11.5 Valves</b>	No limitation
<b>15.11.6 Valve springs</b>	No limitation
<b>15.11.7 Cotters and retainers</b>	No limitation
<b>15.11.8 Valve rockers</b>	No limitation
<b>15.11.9 Pushrods</b>	No limitation
<b>15.11.10 Piston</b>	No limitation
<b>15.11.11 Conrod</b>	No limitation
<b>15.11.12 Crankshaft</b>	No limitation
<b>15.11.13 Flywheel</b>	No limitation
<b>15.11.14 Flywheel key</b>	No limitation
<b>15.11.15 Fan</b>	No limitation
<b>15.11.16 Coil</b>	No limitation
<b>15.11.17 Ignition timing</b>	No limitation
<b>15.11.18 Air cleaner and air cleaner intake</b>	No limitation Must have safety cable, chain or bracket attached to filter
<b>15.11.19 Carburettor</b>	No limitation – Fuel injection allowed
<b>15.11.20 Isolator block</b>	No limitation
<b>15.11.21 Exhaust</b>	No limitation Must have 3 mounting points
<b>15.11.22 Camshaft</b>	No limitation
<b>15.11.23 Starter</b>	Pull starter and electric starter allowed
<b>15.11.24 Cage</b>	Cage constructed out of ferrous metal with min OD 21mm & min wall thickness 2mm or 25mm OD & 1.6mm wall thickness Frame to no less than 100mm above driver's head
<b>15.11.25 Wing</b>	Centre Wing: Length (front to back)      Min - 750mm Length (front to back)      Max - 1050mm Width (left to right)        Min - 900mm Width (left to right)        Max - 1220mm  Side wings not to exceed 600mm high x 1400mm long, and no less than 300mm high x 1100mm long  Wing sides to be bend 45 degrees at top and bottom  Must have left and right sides fitted on wing  Front wing optional
	Visitor wing class drivers will be allowed to race with their own club wing dimensions, but must bring a copy of their club rule book
....15.11 WING KARTS – A	

....15.11 WING KARTS - A .... Continues	
<b>15.11.26 Body and look</b>	Kart to be fitted with a midget "look-alike" rear and front body kit. No Aluminium Nose cones or tail tanks[AT2] allowed.
<b>15.11.27 Nerf Bar</b>	Nerf bar to run a minimum gap between front and rear tyres Aluminium or steel allowed, minimum 22mm diameter with 1.5mm wall thickness or ferrous steel, minimum 19mm diameter with 2mm wall thickness Rear wheels may not protrude past the nerf bars. Tail bumper no wider than roll cage[AT3].
<b>15.11.28 Tyres and rims</b>	5" and 6" allowed
<b>15.11.29 Seat</b>	Must be aluminium, Minimum 3mm thickness, back section must be at least 100mm higher than the driver's shoulders.
<b>15.11.30 Harness/Safety Belts</b>	Minimum 4-point harness/safety belts to be used.

**No engineering tolerance will be allowed. Any changes not stipulated above are not permitted.**



15.12. **BEETLES 680CC**

Competitors over the age of 32 years old.

Minimum weight - 225Kg with driver and race kit.

<b>15.12.1 Engine maximum size</b>	680cc
<b>15.12.2 Engine type</b>	Torx-GB680 V-Twin and IDEAL 678cc engines only
<b>15.12.3 Cylinder head</b>	Must stay original as per manufacturer spec Combustion Chamber minimum of 28cc
<b>15.12.4 Head gasket</b>	Must stay original as per manufacturer spec Fibre or steel standard gasket only
<b>15.12.5 Valves</b>	Must stay original as per manufacturer spec 35mm Intake. 31mm Exhaust 6,5mm stem diameter
<b>15.12.6 Valve springs</b>	Must stay original as per manufacturer spec 38 to 40mm height
<b>15.12.7 Cotters and retainers</b>	Must stay original as per manufacturer spec
<b>15.12.8 Valve rockers</b>	Must stay original as per manufacturer spec. 1 to 1.1 ratio only
<b>15.12.9 Pushrods</b>	Must stay original as per manufacturer spec
<b>15.12.10 Piston</b>	Must stay original as per manufacturer spec (first oversize allowed) 78,5mm, maximum size
<b>15.12.11 Conrod</b>	Must stay original as per manufacturer spec
<b>15.12.12 Crankshaft</b>	Must stay original as per manufacturer spec. 71mm stroke
<b>15.12.13 Flywheel</b>	Must stay original as per manufacturer spec (first oversize allowed) 78,5mm, maximum size
<b>15.12.14 Flywheel key</b>	Must stay original as per manufacturer spec
<b>15.12.15 Fan</b>	Must stay original as per manufacturer spec
<b>15.12.16 Coil</b>	Must stay original as per manufacturer spec
<b>15.12.17 Ignition timing</b>	Must stay original as per manufacturer spec
<b>15.12.18 Air cleaner and air cleaner intake</b>	No limitation. Must have safety cable, chain or bracket attached to filter if loose item
<b>15.12.19 Carburettor</b>	Must stay original as per manufacturer spec Torx GB680 -Dual butterfly -Butterfly size 27mm max -Ventury size 21.5mm max -Non-adjustable air screw only (remove) Jetting allowed
<b>15.12.20 Isolator block</b>	Must stay original as per manufacturer spec
<b>15.12.21 Exhaust</b>	No limitation Must have 3 mounting points
<b>15.12.22 Camshaft</b>	Must stay original as per manufacturer spec. Intake and Exhaust: base circle 23 mm, lobe height 30mm
<b>15.12.23 Starter</b>	Pull starter and electric starter allowed
<b>15.12.24 Body and look</b>	Kart to be fitted with a Beetle "look-alike" body kit
....15.12 BEETLES 680cc	

....15.12 BEETLES 680cc .... Continues

<b>15.12.25 Nerf Bar</b>	Nerf bar to run a minimum gap between front and rear tyres
<b>15.12.26 Tyres</b>	5" & 6" high wheels allowed
<b>15.12.27 Brakes</b>	Front and rear allowed

**No engineering tolerance will be allowed. Any changes not stipulated above are not permitted.**

### 15.13 OPEN CLASS

Age restriction: 21 years and older.

- Weight to be carried as per Engine Size Class specs.  
Eg. 300cc – 175kg      390cc Mod – 180kg      425cc Supermod – R 190kg  
466cc – 200kg      450cc – 200kg      V680cc – 225kg
- This is a modified class. You can do with the engine what you want.
- Maximum 6 inch tires and rims.
- The DD2 125 automatic's karts are allowed. (Kart must start on its own – No push starts allowed)
- You may use a single cylinder motorcycle engine up to 450 cc with its gearbox. (No modifications are not allowed on the engine.)

15.13.1 Maximum engine cc	300cc – 680cc		
15.13.2 Engine casing	Honda, Briggs & Stratton or "look alike" (Chinese motors)		
15.13.3 Valves & Springs	Diameters	Head (mm)	Stem (mm)
	Intake valve		
	Exhaust valve		
15.13.4 Piston & rings	No limitations		
15.13.5 Crank & Conrod	No limitations		
15.13.6 Flywheel & cooling fan	No limitations/ No machining allowed on the flywheel		
15.13.7 Coil	No limitations		
15.13.8 Air cleaner	No limitation Must have safety cable, chain or bracket attached to filter		
15.13.9 Carburettor	No limitations		
15.13.10 Isolator block	No limitations		
15.13.11 Cylinder head	No limitations		
15.13.12 Head gasket	No limitations		
15.13.13 Exhaust	No limitation Must have 3 mounting points		
15.13.14 Camshaft	No limitations		
15.13.15 Combined Weight	No limitations: As per engine size		
<b>No engineering tolerance will be allowed. Any changes not stipulated above are not permitted.</b>			

*The Committee reserves the right to amend, add or change any item herein. Notice of these changes will be posted on the Members WhatsApp group. The onus is on the members to ensure they familiarise themselves at all times*

**AMENDMENTS:**

<b>DATE</b>	<b>RULES</b>	<b>AMENDMENT</b>
<b>16 March 2022</b>	4.4.	ENGINE ADJUSTMENTS WHILST DRIVING
	8.g	BLACK AND WHITE FLAG
	9.5	GO-PRO CAMERAS
	14.13	EXHAUSTS – Word changed Axel to Bumper
<b>17 March 2022</b>	15.1.19	RESTRICTOR PLATE ADDED

<b>ZONE 7 DIRT KARTING RULES – 2022 FINAL</b>	REV.03..... 2022/03/17	WRITTEN: Vicki Laubscher APPROVED: Johann Spies / Johan van Zyl
---	------------------------	--