GO-KART
GO-KART G1
CONSTRUCTION MANUAL

Length  104 - 133 cm / 41 - 52 inch
Max weight  37 kg / 81 lbs
Time to build  5.5 hours
Before you start constructing and use our product, please carefully read the following safety warning and download our manual from our website. This safety warning and manual contains important information relating to your child's safety. It is your responsibility to review this information with your child and make sure they are fully aware of all the warnings before they start riding. Failure to follow instructions and safety precautions can result in serious injury or death.

You can find a digital copy of the manual at the following web address: www.infentorides.com

PLEASE PRINT OUT THE MANUAL AND KEEP THE MANUAL AND THIS SAFETY WARNING IN A SAFE LOCATION FOR FUTURE REFERENCE.
SAFETY SECTION

WARNING! PARENTAL SUPERVISION AND APPROPRIATE USE

Like any moving product, rides made from Infento parts can be dangerous if due care and attention is not paid. To reduce the risk of serious injury: use only under close adult supervision. Parents must review the following warnings and instructions with each Infento ride that is being build. It is your responsibility to review this information and make sure that all riders understand all warnings, cautions, instructions and safety topics, and assure that young riders are able to safely and responsibly use this product. Infento recommends that you periodically review and reinforce the information in this manual with younger riders, and that you inspect and maintain your child’s Infento rides to insure their safety.

WARNING! RIDING ON INFENTO RIDES CAN BE A DANGEROUS ACTIVITY

Riding on Infento rides can be a dangerous activity. Certain conditions may cause the equipment to fail without fault of the manufacturer. Rides made from Infento parts can and are meant to fail without fault of the manufacturer. Certain conditions may cause the equipment to fail without fault of the manufacturer. All riders understand all warnings, cautions, instructions and safety topics, and assure that young riders are able to safely and responsibly use this product. Infento recommends that you periodically review and reinforce the information in this manual with younger riders, and that you inspect and maintain your child’s Infento rides to insure their safety.

WARNING! NO LIABILITY FOR CONSTRUCTED RIDES THAT DIFFER FROM OUR MANUALS

The rides that you can find in our manuals have been tested by official independent testing agencies. We will not be responsible or liable, directly or indirectly, in any way for any loss or damage of any kind incurred as a result of your decision to build constructions or rides that differ from the official rides that we show in our manuals.

ASSEMBLY – SUBSECTION

WARNING! OUR KITS CONTAIN SMALL PARTS

This package contains small parts which, before assembly, present a choking hazard to children under the age of three. Care should be taken during unpacking and assembly to insure that all small parts and plastic bags are accounted for and kept out of the reach of children.

WARNING! TO AVOID SERIOUS INJURY:

1. Toys are to be assembled by an adult using Infento manuals.
2. All fasteners (bolts and nuts) should be fully tightened.
3. Size of the adult who assembles this bicycle properly install all parts included in the factory sealed shipping carton and to make the adjustments to the functional parts such as handle bar and seat and chain when necessary.
4. Always wear safety equipment such as a helmet that complies with local or national guidelines or laws. Keep chinstrap of helmet securely buckled.
5. Always wear closed toe shoes (lace-up shoes with rubber soles), never ride barefooted or in sandals, and keep shoe laces tied and out of the way of the wheels.
6. Avoid streets and surfaces with water, sand, gravel, dirt, leaves, and other debris. Wet weather impairs traction, braking and visibility.
7. Excessive exposure to sunlight, temperatures below 0 degrees Celsius, water, sand, gravel, dirt, leaves, and other debris can damage, shrink, expand or weaken parts. Keep your ride in a dry environment with proper heating.
8. Avoid sharp bumps, drainage grooves and sudden surface changes. Your Infento ride may suddenly stop.
9. Ride on smooth, paved surfaces away from motor vehicles. Wet, slick or uneven and rough surfaces may impair traction and contribute to possible accidents.
10. Never risk damaging surfaces, such as carpet or flooring, by use of an Infento ride indoors.
11. Never use near motor vehicles, streets, roadways, alleys, swimming pool areas, hills, steps, sloped driveways, inclines and public highways.
12. Watch out for pedestrians, skaters, skateboards, scooters, bikes, children or animals who may enter your path, and respect the rights and property of others.
13. Avoid excessive speed associated with downhill rides.
14. Do not use at night or in periods with reduced visibility.
15. Before every use, please make sure that the complete ride and all joints have been assembled tightly, as with use, joints may wear out.
16. Before using your Infento ride, please check that the screws are tightened securely.
17. It’s your own responsibility if you modify the product other than manufacturer’s instructions. Maintenance or repair other than manufacturer’s instructions is your responsibility.
18. Please check the manual to see the minimum and maximum age as well as the minimum and maximum length for every specific ride.
19. Read and understand all of the above instructions before you start riding.
20. Keep local laws before you start with riding.
21. Check operation of breaks every time before bicycle is ridden.
22. Check local laws before you start with riding.
23. Never tow wagons, other vehicles, or children on skates or skateboards.
24. Periodically check hardware and tighten if necessary. Replace worn or broken parts immediately.
25. It’s your own responsibility if you modify the product other than manufacturer’s instructions. Maintenance or repair other than manufacturer’s instructions is your responsibility.
26. Periodically check hardware and tighten if necessary. Replace worn or broken parts immediately.
27. It’s your own responsibility if you modify the product other than manufacturer’s instructions. Maintenance or repair other than manufacturer’s instructions is your responsibility.
28. Do not allow children to stand on the product at any time.

FAILURE TO USE COMMON SENSE AND HEED THE ABOVE WARNINGS INCREASES RISK OF SERIOUS INJURY. USE WITH APPROPRIATE CAUTION AND SERIOUS ATTENTION TO SAFE OPERATION.
OUR KITS CONTAIN SMALL PARTS
This package contains small parts which, before assembly, present a choking hazard to children under the age of three. Care should be taken during unpacking and assembly to insure that all small parts and plastic bags are accounted for and kept out of the reach of children.

QUESTIONS? HELP NEEDED?
You can email us at: support@infentorides.com and our team will assist you as soon as possible.

MAINTENANCE | INSTRUCTION

1. Oil or grease moving parts periodically.
2. Check nuts and bolts often and tighten if necessary.
3. Any parts showing evidence or wear should be replaced immediately.
4. Follow closely the assembly instructions pertaining to the proper adjustments of parts
5. Periodically check the brake system for proper function
6. Periodically check the steering mechanism for proper function
7. Check the air pressure in the tires to be the amount specified in the manual
8. Periodically check the bicycle's tooth belt to be sure that it is not too lose which could allow the chain to slip off the sprockets.

RECOMMENDED TOOLS

4 x Allen key 3, 4, 5, 6 mm
1 x Tapeline
1 x T-handle
for Allen key
5 x Wrench 10, 13, 14, 15, 19 mm
If you have the **560 mm** profile in your kit, please skip to the next step. If not, you can construct it using the profile connectors A and B, as shown below.

**NOTE**
The profile connector (part A) has the infento word-emblem on it and doubles as a T-joint.
First, get all required materials stated here and then follow the instructions.

Tighten the bolts with full force. Ensure that you hold the long side of the Allen key in your hand as this enables you to exert greater force.

Double check here: Does your result looks exactly like the image at the bottom of the page?

NOTE
Place the profile connector in the same orientation as shown here, then follow step A.

In frames like this you can find some background facts about technique.
TOP 3 REQUIREMENTS MAKING A GREAT INFENTO EXPERIENCE:

1. Tighten bolts with full force (15Nm) to prevent them from coming loose.

2. Constructing and playing always under supervision of an adult.

3. Check frequently if all parts are still firmly tightened and function properly.
Double check here: Does your result looks exactly like the image at the bottom of the page?

Tighten this bolt well, but not with full force because then you may damage the part.

Most nuts that you use for Infento are self-locking. This means that they cannot vibrate loose. On the inside of the bolt you will see a plastic washer that ensures it cannot turn freely, even if there is no tension on the bolt.
The positioning blocks are some of the smallest Infento parts but they are also some of the most important. They ensure that everything connects to each other properly. This prevents parts from twisting and coming loose when under pressure. Therefore, always use at least two positioning blocks per block.
The plastic parts of Infento are made using injection moulding technology where molten plastic is pressed under high pressure into a mould. A mould consists of steel blocks in which a shape is recessed.
A

- M8x20 (low head)

B

6

ride GO-KART

Bolt M8x20 1x
Bolt M8x20 (low head) 1x
T-Positioning block 4x
Multi angle joint 1x
Profile 1x
4.72 inch | 120 mm

Profile 1x

V 1.8
Use the Allen key handle so you can tighten the bolt well.
Depending on your Kit, the knurled discs can be of a different type, looking like this:

There are two types of knurled discs. Please see education section.

There are two different knurled discs. One for each corner ending in a 5 (5-15-25-etc. degrees), which has one stripe round the outside, and one for each corner that ends in a 0 (0-10-20-etc. degrees), which has two stripes round the outside.
Depending on your Kit, the T-joint might look like this. The new T-joint doubles as a profile connector (part A).
A

B

C

2.09” | 53 mm
Brake cable clip 1x
Bearing protection cap 2x

Diagram A:
- Brake cable clip
- Bolt M8x40 nylock protection cap
- Bearing

Diagram B:
- Brake cable clip
- Bolt M8x40 nylock protection cap
- Bearing

V 1.8
There are two different knurled discs. One for each corner ending in a 5 (5-15-25-etc. degrees), which has one stripe round the outside, and one for each corner that ends in a 0 (0-10-20-etc degrees), which has two stripes round the outside.
Bolt M8x20 (low head) 2x
Locknut M8 1x
Profile nut short 1x
T-Positioning block 2x
L-joint 1x
Brake caliper holder 1x

Profile nut short

1x T-Positioning block

A
B

C

D

0.35" | 9 mm
Note! The valve points downwards.

Pull the tire over the rim and inflate the tire to max 1.5 bar.
If your protect cap has a hole, use a M8x16 countersunk bolt to fasten it.

**TIP!**
It is best to tighten the bolt in such a way that you can still move the block and easily determine the right position with a tape measure. After that, you can then tighten the block further and you verify whether the size is correct.
Pull the tire over the rim and inflate the tire to max 1.5 bar.

Note!
The valve points downwards.
1. Hold the arm at this position.
2. Tighten.
3. Hold in this position.
4. Loosen half turn.
ride CO-KART

6x T-Positioning block
3x Bolt M8x20 (low head)
3x L-joint
3x Profile 3.15 inch | 80 mm

3x

V 1.8
A

B

C

0.98” | 25 mm

ride GO-KART

Profile nut short 1x
Bolt M8x20 1x
Multi angle joint 1x
T-Positioning block 2x
30

ride GO-KART

A

B

C

5.51” | 140 mm

V 1.8
Use the Allen key handle so you can tighten the bolt well.
33
ride CO-KART

**A**

0.98” | 25 mm

double check!

**B**

**C**

50°
Bolt M8x60 2x
Locknut M8 2x
Washer M8-16 4x
Steering arm 2.76 inch | 70 mm 2x

Brake caliper holder Bolt M6x25
Washer M8-16pulley protection 28T 4x
free spinning wheel 2.76 inch | 70 mm 2x

Steering arm

Locknut M6 2x
Bolt M8x60 2x

C

D

A

V 1.8
ride GO-KART

36

A

B

0,1 mm

C

D

0,1 mm

V 1.8
Note! The valve points downwards.

Pull the tire over the rim and inflate the tire to max 1.5 bar.
Pull the tire over the rim and inflate the tire to max 1.5 bar.

Note! The valve points downwards.
**NUT-IN-PART-TRICK**

1. Take a 5mm Allen key, slide the nut on it.
2. Stick the Allen key through the part.
3. Let the nut slide down.
Profi 1x
Bolt M8x20
Bolt M8x20
Profile nut short
Axle clamp
T-Positioning block
Profile 1.57 inch | 40 mm
Bolt M8x20 (low head)
Handlebar short 1x
Axle plate 1x
Adjusting bolt M8x35 1x
T-Positioning block 2x

A

B

Handgrip
Axle plate
Handlebar short
Handlebar extension 1x
T-Positioning block 2x
Axle plate 1x
Adjusting bolt M8x55 1x
Handlebar short 1x

A

B

Extension

T-Positioning block

Axle plate

Adjusting bolt M8x55

Handlebar short

Handlebar

7 inch wheel house 0.72 inch | 450mm

M8x55 Adjusting bolt

Handlebar short

Extension
Leave a gap of at least 0.5mm when tightening the bolts.
**45**

**4-8 YEARS OLD**

- Bolt M6x20: 2x
- Axle flange: 1x
- Clamping part: 1x
- Washer M8-16: 2x
- Bolt M6x20: 1x
- Bolt M8x60: 1x

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**A**

- 2 mm

**B**

- 3.31" | 84 mm

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**C**

- 3.31" | 84 mm

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**D**

- 3.31" | 84 mm
Tighten this nut later after the steering rod is mounted on the steering arm and steering plate.
ride GO-KART

Nut M8 8x
Conical spring washer M8-13 8x
Bolt M8x45 4x

0.08” | 2 mm

2x
This side has 3 position holes.
Epulse adapter 1x
Bolt M6x20 2x
Clamping part holes with M6 thread 1x
Axle flange 1x

A
B
C
D

4 mm

V 1.8

ride GO-KART
Profile nut short
Bolt M8x20
T-Positioning block

A
B
C
D
ride GO-KART

A

B

C

nylon ring

Belt shield 2x
ride GO-KART

Belt shield centre 46T
Belt shield centre 26T
Move until Click!

Move until Click!
Push until Click!

A

B

C

Push until Click!
Bolt M8x20 (low head) 4x
L-joint 4x
T-Positioning block 8x

2x
**69**

**ride CO-KART**

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**Components:**

- **Bolt M8x25 (low head)**: 2x
- **Positioning block**: 4x
- **Multi angle joint**: 2x
- **Locknut M8**: 2x

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**Notes:**

- **2x**

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**Image Description:**

The image shows a diagram of a GO-KART component with various parts labeled. The diagram includes a multi-angle joint, positioning blocks, and bolts, among other components. The numbers indicate the quantity of each part required for assembly.
2x Profile nut short

6x Bolt M8x20

6x Multi angle joint

12x T-Positioning block

2x Profile 2.36 inch | 60 mm

A

B

C

2x
2x Knurled disc 2 stripes
2x holes without thread
2x Locknut M8
2x Bolt M8x35
80°
If you have this type of seat in your Kit, please skip to the next page. If not, follow the instructions below to construct your seatboard.

Put the M6 square nuts in place before inserting the M6x50 bolts.
Bolt M6x8
Nut M8
2x
Seatboard

Bolt M8x20
2x

A

B

M8x25
Adjust the distance on the leg length. Footrest just behind heels.
Did you already make a ride?

You can transform it into an electric ride by replacing the bearing block (holding the cranks and pedals) with the ePulse® motor! After installing the ePulse® motor, replace the right handle grip with the ePulse throttle.

1. Attach the battery to an aluminum profile close to the ePulse® motor. This battery is ready for use right out of the box.

2. The motor has 2 plugs. Connect the battery cable to the -4-pin plug and plug it into the battery.

3. Connect the throttle cable to the 5-pin plug.

4. When both plugs are connected, you can turn on the motor by clicking the power switch on the side of the motor. This should light up red.

5. To start moving, turn the throttle towards you. You just like a real motorcycle!

6. To reverse, press the green button on the throttle. Press it again to return to forward mode.

7. You want to go faster? Turn your key to the right. Now you have access to extra speed!

USE AND MAINTENANCE OF CHARGER

1. The ePulse® system has to be assembled by an adult using Infento manuals.
2. Packaging must be retained since it contains important information.
3. Only use battery(ies) supplied by Infento and intended for the Infento ePulse® system.
4. Only use the battery charger supplied by Infento and intended for the Infento ePulse® system.
5. Ride on smooth, paved, level surfaces away from motor vehicles. Wet, slick or uneven and rough surfaces may impair traction and contribute to possible accidents.

Important

1. The ePulse® system has to be assembled by an adult using Infento manuals.
2. Packaging must be retained since it contains important information.
3. Only use battery(ies) supplied by Infento and intended for the Infento ePulse® system.
4. Only use the battery charger supplied by Infento and intended for the Infento ePulse® system.
5. Ride on smooth, paved, level surfaces away from motor vehicles. Wet, slick or uneven and rough surfaces may impair traction and contribute to possible accidents.

Warning: Not suitable for children under 36 months due to its maximum speed.

Warning: To be used under the direct supervision of an adult.

Warning! Potential hazards of using the toy in areas other than private grounds.

Warning! Like other electric ride-on products, the ePulse® system mounted on a ride and intended to move, and it is therefore possible to lose control, fall off and/or get into dangerous situations that no amount of care, instruction or expertise can eliminate. If such things occur you can be seriously injured or die, even when using safety equipment and other precautions. READ AT YOUR OWN RISK AND USE COMMON SENSE.

Warning: Persons with any mental or physical conditions that may make them susceptible to injury, impair their physical dexterity or mental capabilities to recognize, understand, and follow safety instructions and/or be able to understand the hazards inherent in a products use, should not use or be permitted to use products appropriate for their abilities. Persons with heart conditions, head back or neck ailments (or prior surgeries to these areas of the body), or pregnant women, should be cautioned not to operate the product.

WARNINGs TO AVOID SERIOUS INJURY:

1. Protective equipment should be worn. Not to be used in traffic:
   - Always wear safety equipment such as helmet, knee pads and elbowpads. We recommend riders always wear a properly fitted helmet that complies with local or national guidelines or laws. Keep treads of helmet securely buckled.
   - Always check and obey any local laws or regulations which may affect the locations where the ePulse® System may be used. The ePulse® system is meant to be used on private property and on closed courses, and not on public streets or sidewalks. Do not ride your electric product in any areas where pedestrians or vehicle traffic is present.
   - It is the responsibility of the adult to educate the child.

2. Determine if they fit/s operate the vehicle, and supervise use:
   - Do not turn the power switch of the ePulse® system ON or turn the throttle unless you are seated and in a safe outdoor environment suitable for riding. Always turn the power switch to OFF before stopping of the vehicle.
   - Never use headphones or a cell phone when riding. Never hitch a ride with another product.
   - Do not disassemble or modify the ePulse® system. The lithium battery inside contains safety and protection devices which, if disabled, may cause the battery to generate heat, explode or ignite.
   - Immediately disconnect use of the ePulse® system (battery inside) if, while using, charging or storing it; the ePulse® system (battery inside) emits an unusual smell, feels hot, changes color or shape, or appears abnormal in any other way. Contact our support if this occurs.
   - Do not place the ePulse® system (battery inside) in water or near fire, on slopes or other high temperature locations. Do not place the ePulse® system (battery inside) in direct sunlight, or use or store the ePulse® system (battery inside) in cars in hot weather. Doing so may cause the battery to generate heat, explode or ignite. Using the battery in this manner may also result in a loss of performance and a shortened life expectancy.
   - Do not use the ePulse® system in wet or by water and never immerse this electric product in water, as the electrical components and battery could get damaged by water or possibly create unsafe conditions.
   - Do not use near swimming pools.
   - Do not use in snow at own responsibility.
   - Do not store the ePulse® system in microwave oven, high pressure containers or on induction cookers.
   - Do not touch the motor on your product when in use (or after using) as it can become very hot.
   - Do not touch the battery on your product when in use (or after using) as it can become very hot.
   - In the event the battery leaks and the fluid gets into one’s eyes, do not rub the eye. Rinse with water and immediately seek medical care. If the electrolyte fluid could cause an injury to the eye.
   - Do not use the ePulse® system in a different way than what we describe in our instructions and manuals.
THANK YOU FOR READING ME!