MINIBIKE®
CONSTRUCTION MANUAL

6-14 YEARS

Length 118 - 168 cm / 47 - 66 inch
Max weight 70 kg / 153 lbs
Time to build 4,5 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 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. Ride at your own risk and use common sense.

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. It is the responsibility of the adult who assembles this bicycle to 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.

USE – SUBSECTION

WARNING! TO AVOID SERIOUS INJURY:

1. Continuous adult supervision is required.
2. Only ride constructed rides that have been built according to the instructions given in the official Infento manual.
3. Never exceed the maximum weight. You can find the maximum weight for every specific ride in our manual.
4. Always check the manual to see the minimum and maximum age as well as the minimum and maximum length for every specific ride.
5. Always wear safety equipment such as a helmet, knee pads and elbow pads. We recommend riders always wear a properly fitted helmet that complies with local or national guidelines or laws. Keep chinstrap of helmet securely buckled.
6. Always wear closed toed 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.
7. Avoid streets and surfaces with water, sand, gravel, dirt, leaves, and other debris. Wet weather impairs traction, braking and visibility.
8. 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.
9. Avoid sharp bumps; drainage grates and sudden surface changes. Your Infento ride may suddenly stop.
10. Ride on smooth, paved surfaces away from motor vehicles. Wet, slick or uneven and rough surfaces may impair traction and contribute to possible accidents.
11. Never risk damaging surfaces, such as carpet or flooring, by use of an Infento ride indoors.
12. Never use near motor vehicles, streets, roadways, alleys, swimming pool areas, hills, steps, sloped driveways, inclines and public highways.
13. Watch out for pedestrians, skaters, skateboards, scooters, bikes, children or animals who may enter your path, and respect the rights and property of others.
15. Do not use at night or in periods with reduced visibility.
16. Before every use, please make sure that the complete ride and all joints have been assembled tightly, as with use, joints may wear out.
17. Before using your Infento ride, please check that the screws are tightened securely.
18. It’s your own responsibility if you modify the product other than manufacturer’s instructions.
19. Maintain a hold on the handlebars at all times.
20. Brake will get hot from continuous use. Do not touch after braking.
21. Periodically check hardware and tighten if necessary. Replace worn or broken parts immediately.
22. Skill is required to avoid falls or collision causing injury to the user and third parties.
23. Check operation of breaks every time before bicycle is ridden.
24. Check local laws before you start with riding.
25. Never tow wagons, other vehicles, or children on skates or skateboards.
26. Make certain that anyone who uses an Infento ride has been fully instructed in its operation.
27. Instruct your child on how to use the breaks.
28. Do not perform stunts.
29. Never use headphones or a cell phone when riding.
30. Only one rider at a time on an Infento ride.
31. 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.
SAFETY SECTION

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 ensure 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 T-handle for Allen key
- 1 x Tape line
- 5 x Wrench
  10, 13, 14, 15, 19 mm
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?

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.
Depending on your Kit, the T-joint might look like this. The new T-joint doubles as a profile connector (part A).

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?
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.

Double check here: Does your result looks exactly like the image at the bottom of the page?
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.
Use the Allen key handle so you can tighten the bolt well.

4.09” | 104 mm
A

B

0.98" | 25 mm

9
A  
Bolt M6x16  
Conical spring washer M6-10  
Brake caliper

B  
1mm
Pull the tire over the rim and inflate the tire to max 1.5 bar.

Note! The valve points downwards.
Spacer 1x
0.08 inch | 2 mm
Spacer 1x
0.39 inch | 10 mm
B. Hold the arm at this position.

C. Hold in this position.

D. Hold in this position.

E. Loosen half turn.
Bolt M6x12 5x
Toothed belt pulley 28T 1x
Toothed belt 118T 1x
Spacer 0.2 inch | 5 mm 1x
Spacer 0.08 inch | 2 mm 1x

A

B

C
Use the Allen key handle so you can tighten the bolt well.
Bolt M8x20 1x (low head)

T-Positioning block 2x
There are two types of knurled discs. Please see education section.

Depending on your Kit, the knurled discs can be of a different type, looking like this:

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.
ride MINIBIKE

Bolt M8x20 nylock 1x
T-Positioning block 2x
T-joint 1x

+++

bike MINIBIKE
1x Profile nut short
1x Bolt M8x20 (low head)
2x T-Positioning block
1x L-joint

A
B
C

1,18" | 30 mm
Bolt M8x20 1x
Bolt M8x20 (low head) 1x
T-Positioning block 4x
L-joint 1x
Multi angle joint 1x
Profile 7.87 inch | 200 mm

2.67 inch | 70 mm
.09 inch | 180 mm

M8x20 (low head)
1x Bolt M8x40 nylock
2x Positioning block
1x Swivel plate
ride MINIBIKE

A

B

C

2 mm

20°

4x knurled increments (each increment is 5°)
A

B

C

V 1.7

ride MINIBIKE

Bolt M8x35
Locknut M8
Knurled disc 2 stripes

Knurled disc 2 stripes Bolt M8x35

13x2.75-8d

Locknut M8

Knurled disc 2 stripes

2x

++
**V.1.7**

- **Bolt M8x20 (low head)**: 1x
- **Bolt M8x20**: 1x
- **T-Positioning block**: 4x
- **L-joint**: 1x
- **Multi angle joint**: 1x
- **Profile 7.87 inch | 200 mm**: 1x

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**Profile Specifications:**

- 2.67 inch | 70 mm
- 0.9 inch | 180 mm
- 7.87 inch | 200 mm
- 2.36 inch | 60 mm

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**Diagram:**

- M8x20 (low head)

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**Figure:**

- An image showing the assembly of the profile with various components.
1x Bolt M8x40 nylock
2x Positioning block
1x Swivel plate

1x Bolt M8x40 nylock
1x Positioning block
1x Swivel plate
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.
A

B

Profile nut short

Bolt M8x25

Nut M8

Profile nut short

Bolt M8x25

Ducktail board + foam

++

Bolt M5x6

Profi 1x

+ foam

++

Bolt M6x8

Nut M8

Ducktail board 1x

Profi 1x
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
Place the profile connector in the same orientation as shown here, then proceed.
**A**

Bolt M6x25 2x
Locknut M6 2x
Bolt M8x20 1x
Washer M8-24 1x
Axle 6.06 inch | 154 mm 1x

**B**

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

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**Notes:**
- Leave a gap of at least 0.5mm when tightening the bolts.
NOTE
Place the profile connector in the same orientation as shown here, then proceed.
Note!
The valve points downwards.

Pull the tire over the rim and inflate the tire to max 1.5 bar.
Leave a gap of at least 0.5mm when tightening the bolts.
If your Kit contains a white fastener bag with 12 Nock Washers, please follow the steps on this page. If not, please skip to the next page of the manual.

This is the U-block. Before being able to use this part, you need two Nock Washers M8-16. Press these washers into the slots.

These parts remain mounted permanently. Press firmly!
If your U-block or Kit doesn’t have the M8-16 Nock Washers, you can use the regular M8-16 washers as shown here.
Use the Allen key handle so you can tighten the bolt well.
A

B

C

1.69° | 43 mm
A. Parrellel clamp joint L-joint
B. 2 mm
C. 3x knurled increments (each increment is 5°)
D. 15°
A. Parallel clamp joint L-joint

B. T-joint

C. Swivel plate

D. T-Positioning block

Components:
- 4x T-Positioning block
- 1x Bolt M8x40
- 1x nylock (low head)
- 8x Positioning block
- 1x L-joint
- 2x Swivel plate

Notes:
- 3x knurled increments (each increment is 5°)
- 2 mm
- 15°
A

B

Knurled disc 2 stripes Bolt M8x35
Knurled disc 2 stripes Locknut M8
holes without thread
++

2x

2x

2x
check

ride MINIBIKE
ride MINIBIKE

Belt shield nylon ring

A

B

C

nylon ring

2x
Belt shield nylon ring 2x

ride MINIBIKE
Move until Click!

Move until Click!
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.

Enjoy your ride! You can drive up to one hour with a fully charged battery. Done driving?
Please make sure you switch your motor off again. The red light on the power switch should turn off.

To charge it again you connect this battery to the adapter and plug it into a power socket. The battery is fully charged when the charger light turns green.

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

Connect the throttle cable to the 5-pin plug.

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.

To start moving, turn the throttle towards you, just like in real motorcycles.

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

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

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 this 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.

USE AND MAINTENANCE OF CHARGER

• The charger supplied with the ePulse® system should be regularly examined for damages to the cord, plug, enclosure and other parts. In the event of such damages, the ePulse® system must not be charged until the charger has been repaired or replaced.
• Use caution when charging. Do not charge unattended.
• The charger is not to be the rechargeable battery in the ePulse® system is only to be charged by an adult who has read and understood the safety warnings.
• Only use the charger supplied by Infento and intended for the Infento ePulse® system.

Operate the charger near flammable materials. Unplug the charger from the power source and disconnect the cables from the Infento ePulse® system when not in use. Note: If the charger gets warm during regular use, this is a normal response and is no cause for concern. If your charger does not get warm during use, it does not mean that it is not working properly. Changer should not get so hot that you can’t touch it.
• Charging time may vary. Empty battery will charge in about 4 hours.
• For recharge battery of at least every 6 months may result in a battery that will not accept a charge.
• The ePulse® system is not to be connected to more than 1 power supply.
• Make sure the ePulse® system’s power switch is turned OFF when it is not in use. If the power switch is left on for an extended period of time, the battery may reach a stage at which it will no longer hold a charge.
• To ensure long battery life, never store this in freezing or below freezing temperatures. Freezing will permanently damage the battery.
• Contains Li-ion battery. Battery must be recycled.

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 elbow pads. We recommend riders always wear a properly fitted helmet that complies with local or national guidelines or laws. Keep the helmet securely buckled.

2. 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.

3. It is the responsibility of the adult to educate the child, determine if they are fit to operate the vehicle and supervise use. Do not turn the power switch in the ePulse® system to 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 stepping off the vehicle.

4. Never use headphones or a cell phone when riding. Never hitch another product.

5. Always pay attention to what is going on around you, do not rub the eye. Rinse well with water and immediately seek medical care. Punt unwound, the battery fluid could cause damage to the eye.


7. Never leave battery on charger.

8. Do not disassemble or modify the ePulse® System.

9. Do not immerse this electric product in water, as the electrical components and battery could get damaged by water or possibly create unsafe conditions.

10. Do not touch the motor on your product when in use (or after using it) as it can become very hot.

11. Do not touch the battery on your product when in use (or after using it) as it can become very hot.

12. In the event the battery leaks and the fluid gets into one eye, do not rub the eye. Rinse well with water and immediately seek medical care. Punt unwound, the battery fluid could cause damage to the eye.

13. Infento 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 use the Infento ePulse® system in a different way than we describe in our instructions and manuals.
THANK YOU FOR READING ME!