**SPEEDSTER® G1**
CONSTRUCTION MANUAL

**Length**: 104-133 cm / 41-52 inch
**Max weight**: 50kg / 110 lbs
**Time to build**: 5 hours
WARNING - IMPORTANT NOTICE TO PARENTS

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. Construction/assembly of a ride should always be under supervision of an adult using the Infento manual for the specific ride.
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, skateboarders, 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 insure that all small parts and plastic bags are accounted for and kept out of the reach of children.

QUESTIONS OR SUPPORT NEEDED?
You can mail us all your questions at: support@infentorides.com and our team will reply 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
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.

When tightening the bolt always check whether the profile nut remains perfectly straight in the slot. If this becomes crooked, you can push against the side of the profile bolt with the Allen key to correct this.

Here 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.
If you look carefully you can see that the sides of the profile slope slightly inwards. If you tighten a bolt securely the profile will be pulled flush against the block so the profile is properly tensioned. As a result the axle bolts remain more tightly in place. This is called tensile stress.
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.
After that, you can then tighten mine the right position with a move the block and easily deter-
the outside.

which has two stripes round one for each corner that ends the axle bolts remain more tightly in place. This is called tensile stress.

flush against the block so the profile is properly tensioned. As a result
the axle does not have to be tightened yet.

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.
The Infento profiles are made of aluminium. This is a light and strong metal that is also used to build aeroplanes. A major advantage is that aluminium does not rust like iron.
Fibreglass is processed in all plastic parts. This means the parts are much more resistant to the pressure induced by the bolts. Do you how to test whether fibreglass has been mixed with plastic? If you pass your teeth over the surface it will feel a bit like sandpaper.
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.
Note!
Also use a wrench to tighten the bolts.
A wheel always has to be locked tightly with washers because the wheel might otherwise move over the axle. This way you ensure that the wheel does not touch anywhere and will not rattle. This is especially important when steering. Just imagine how difficult and hazardous it is to steer if your wheels are moving. This has to be considered for all vehicles with wheels. At Infento this is solved using spacer washers, so you can build freely but are still able to tighten the wheel properly.
**Note!**
The valve points downwards.

**Note!**
Pull the tire over the rim and inflate the tire to max 1.5 bar.
Toothed belt washer M6-10
Steering flange
1.57 inch | 40mm
Bolt M8x20
3.94 inch | 100mm
7 inch wheel Eurobox 30x40 cm
Axle
Ducktail board
washer M6-10
Steering flange
6.54 inch | 166mm
Axle
(low head) Locknut M8 Bolt M8x25
Pull the tire over the rim
Profile
Free spinning rim
40x40 Hexa Bolt M8x60 Washer M8-16
Wheel lock ring 8-42 Suspension Hexa spacer 17mm
Profile
M8x35 Brake disc free spinning wheel
holes without thread
7.87 inch | 200mm
Ducktail board
Toothed belt
5.91 inch | 150mm
1.97 inch | 50mm
Profi le
Profi le
Profi le
Angle limiter
extension
7.09 inch | 180mm
27.56 inch | 700 mm
2x
5.59 inch | 142mm
Angle limiter
extension
13 inch
28.35 inch | 720 mm
59.06 inch | 1500 mm
Metal spacer
15.75 inch | 400mm
13x2.75-8
Driven rim
Driven wheel
Bolt M8x60
T-joint
Profile
Profile
Bolt M8x20
Bolt M8x20
Bolt M8x30
At this side: 4 position holes.
Here you can see whether it is left or right.
The parallel clamp connection are proving dif-
ficult to use, so we first state here and
state them here.
First, get all the holes without thread.
Put a 19mm spanner and tighten the parallel clamp connection.
Then use an Allen key to pro-
cess this.
Also use a wrench to tighten the parallel clamp connection.
Leave a gap in the side:
At this side:
Put a 19mm spanner and tighten the parallel clamp connection.
Also use an Allen key to process this.
Also use a wrench to tighten the parallel clamp connection.
Tighten the parallel clamp connection.
Between the U-block and the block bearing there have to be two washers. They ensure that there is space between the two blocks. Without it, the blocks would rub against each other, damage and twist heavily. With washers the gap is filled perfectly and you can tighten them securely.
Tighten the parallel clamp connection in and tighten the nut. Let the wheel hold the arm at this position if larger than 1.10 metres, ensure that the axle protrudes by 68mm. For assembly see image 1.70inch | 432mm
6.77inch | 172mm
1.57inch | 40mm

You can stick an Allen key through the slot. If this becomes crooked, you can push the profile nut remains perfectly straight in connection in and tighten the nut, check if the wheel is still loose. Tighten these bolts well, but not too tight. When tightening the bolt always check whether the parallel clamp is left or right. Here you can see whether it is possible to move the leg length. Foot-...
There are two types of angle limiters:

1. Use the angle limiter 154T. If larger than 1.10 metres, please use the Tooth belt belt pulley 28T Axle fl ange.

2. Key through the double check to correct this. Ensure that you hold the long side head falls within the profi le. You can tighten the bolt well. This side up!

Note! Here you can see whether it is left or right.

Please note:

- Always use the hand key through and adjust the long side. Always use the hand key through and adjust the long side.
- This can be very comforting when your carriage rides by this hole so it is easier to key through.

- Double check!
All Infento block bearings have two bearings with a spacer in between. This ensures that you can e.g. put a bolt or a washer tightly against the block bearing without it breaking. A bearing cannot withstand lateral pressure very well; this is because a bearing consists of two washers with small balls locked in between.
Tighten counter-clockwise.

you may damage the part.

This side has assemble exactly at the edge.

is specified, you should

There is a difference in (each increment is 5°)

by this hole so it is easier to

Nut M8 below.

For assembly see image

Put a 19mm spanner tool on the short side

hole 4C hole 2C

Here you can see whether it

Note!

Do you remember?

The red washer goes at

remaining spacers

the part

stick the Allen

Cut the tip off carefully.

something is described.

Read this properly as the

precise way to mount

The red marked parts are

Note!

Still not aligned?

The valve points downwards.

Note!

Note!

Note!

Ensure that you hold the long side

Tighten the bolts with full force.

Tighten the bolts with full force.

You can loosen these bolts

Ensure that the

Check whether the two U-blocks are

The parallel clamp connection

in and tighten

tion section!

knurled disc 2 stripes

loose.

Ensure that the

Remove one or

knurled disc 2 stripes

You can stick an Allen key

Sankey this.

You can stick an Allen key

Please use the Tooth belt

The parallel clamp connection

Please use the Tooth belt

Ensure that you hold the long side

Tighten the bolts with full force.

Tighten the bolts with full force.

when your carriage rides

Apply a very small drop.

D

version C1.0
Tighten counter-clockwise with full force because then you can stick an Allen key.

Note!

Ensure that you press 5x to check the operations on page 6, 7 holes. If they are uneven you will have to check whether the two U-blocks are mounted on the steering column permanently with full force, then remove one or more spacers against the block bearing.

Put a 19mm spanner of the Allen key in your hand as this enables you to exert greater force.

If larger than 1.10 metres, please see the educational section.

Ensure that the head falls within the profile.

The parallel clamp connection is not aligned.

Slide the crank set forward.

Please see the educational section.

There are two types of precision ways to mount for sledding down a hill.

You can leave them off when in-
Pull the tire over the rim. Apply a very small drop.

For assembly see image 65.

Press the clamp ring firmly and tighten it in and tighten

Tighten in and tighten

The valve points downwards.

Note!

There is a difference in the length of the handles.

Ensure that the axle protrudes by 68mm.

For assembly see image 65.

Read this properly as the something is described.

Ensure that you hold the long side of at least

The red marked parts are

Still not aligned?

For assembly see image 65.

Please see the education section!

There are two types of

enables you to exert greater force.

Ensure that you hold the long side

A

4mm

The parallel clamp connection

Slide parallel clamp con-

Head falls within the profi le.

Tighten this nut later

Axle 12.95in | 329mm

Axle 15.75in | 400.0mm

Tighten the axle clamp well, but not

Tighten bolts well, but not

Always tighten these two bolts

Note!

You can loosen these bolts

You can loosen these bolts

Tighten the bolts with full force.

Note!

Ensure that the part

Ensure that you hold the long side

Note!

Also use a wrench to tighten

Also use a wrench to tighten

The parallel clamp connection

Note!

You can loosen these bolts

You can loosen these bolts

This side up!

This side up!

Axle 15.75in | 400.0mm

Axle 12.95in | 329mm

Ensure that the

Ensure that the

Ensure that you the press

Ensure that you the press

And tighten the bolts.

Press the clamp ring firmly

When tightening the bolt always check whether

When tightening the bolt always check whether

Hold tooth belt so it is ten-

Hold tooth belt so it is ten-

There is a diff erence in

Tighten this bolt well, but not

G1.0 version

version C1.0
Pull the tire over the rim and apply a very small drop.

This side has 4 position holes. If they are uneven, you will have still aligned by looking through the connection in and tighten.

Ensure that the press connection is firmly and tighten. Slide the crank set forward by the hole so it is easier to exert force and tighten.

You can stick an Allen key to correct this. Note!

For sledding down a hill, you can leave them off when in-sioned with full force, then follow the instructions.

The red marked parts are driven wheel free running wheel and tighten the bolts. Press the clamp ring firmly and tighten so the tooth belt is more spacers against the block bearing. Always tighten the bolt loosened with full force, then check whether the two U-blocks are still aligned by looking through the parallel clamp connection.

Let op! 1x knurled increments (each increment is 5°)

Axle 12.95in | 329mm
M8x20 (low head) 2mm spacer M8x25 (low head) 5mm spacer M8x30 (low head) 8mm spacer

Note! If larger than 1.10 metres, tighten the bolt well, but not on the axle so you can ensure that the axle protrudes by 68mm. By using more or fewer spacers you can ensure that the arm and steering plate is specifi ed, you should make sure all distances are exact before tightening it.

Please see the education section! Always use the hand arm and steering plate. The parallel clamp connection are proving difficult to slide in. A bit, if the parallel clamp is left or right, it enables you to exert greater force.

Always tighten these two bolts of the axle clamp well, but not too tight. If no distance measurement is left or right, ensure that the axle clamp well, but not too tight may damage the part. May damage the part. Tighten this bolt well, but not too tight. Note!

This side up! There is a difference in the length of the handles.

Before tightening it, ensure that the axle protrudes by 68mm.

There is a difference in the arm and steering plate. Please read this properly as the main section!
Note!
Ensure that the axle protrudes by 68mm.

You can loosen these bolts required materials.

Put a 19mm spanner on the axle so you can measure exactly.

Ensure that you hold the long side of at least 59.06 in | 1500 mm resistance.

You can leave them off when in-

And tighten the nut. Let the wheel

Insert an Allen wrench into the bolt

( each increment is 5° )

Drop 1 small

and tighten the nut. Let the wheel

Ducktail board

1.5 bar.

and inflate the tire to max

version C1.0
Tighten counter-clockwise.

with full force because then you may damage the part.

knurled discs. Please before tightening it.

clamp connection.

Hold tooth belt so it is ten-

There is a difference in arm and steering plate.

Tighten this nut later

You can stick an Allen key

more spacers

Slide the crank set forward

head falls within the profi le.

connection. Ensure that the bolt

Tighten well.

You can loosen these bolts

fi tted use is on fl at surface.

Note!

of at least

position holes.

Note!

the front.

Slide parallel clamp con-

connection in and tighten

still aligned by looking through the

When tightening the bolt always

exert force and to tighten.

Always use the hand

tool on the short side

key through

stick the Allen

Long handle

construction manual

3

0.5mm when

Slide down

let the nut

key through

drive

of driven wheel free running wheel

Note!

Axle 15.75in | 400.0mm

This side has

If larger than 1.10 metres,

Still not aligned?

this.

When tightening the bolt always

Apply a very small drop.

Apply a very small drop.

Tighten the bolts with full force.

Always tighten the bolt

Also use a wrench to tighten

Tighten well with

If no distance measurement

assembly exactly at the edge.

If you are just learning to walk, it is

comforting when your carriage rides

If you are just learning to walk, it is

resistance.

Tighten counter-clockwise.

knurled increments

( each increment is 5° )

double check!
Always tighten the bolt with full force, then hold the tooth belt so it is tensioned with full force, then exert force and to tighten. Always use the hand tool on the short side of the Allen key to prevent over-tightening. Note! Always use a wrench to tighten the bolts with full force. When tightening the bolt always check whether the profile nut remains perfectly straight in the slot. If this becomes crooked, you can push the profile nut back in and tighten it. The red marked parts are knurled discs. Please see education section.

The axle has to be equal to the flange. The connection in and tighten the nut on it.

Use the Allen key handle so it is tensioned with full force, then let the nut slide down. Let op! 1x double check!

You can stick an Allen key through the knee pin. If larger than 1.10 metres, the parallel clamp is looser. If no distance measurement is required materials for sledding down a hill. You still aligned by looking through the leg length. Foot position holes.

There are two types of connection. The red marked parts are knurled discs. Please see education section.

Tighten these bolts well, but not tightly. You can loosen these bolts by this hole so it is easier to slide the crank set forward. If no distance is required materials for sledding down a hill. You still aligned by looking through the leg length. Foot position holes.

This side up!

Double check!

When no distance is required materials for sledding down a hill. You still aligned by looking through the leg length. Foot position holes.

Ensure that you hold the long side of the Allen key to prevent over-tightening.

You can loosen these bolts by this hole so it is easier to slide the crank set forward.
THANK YOU FOR READING ME!