Instruction manual
NX

WARNING
It is important to read the instructions below and respect the following recommendations:
Bicycling can occasionally lead to falls or accidents.
Use caution when using your bike.
Follow all the rules of the road and don't forget to wear a helmet.
Keep these instructions in case you need them later.

WARRANTY AGAINST MANUFACTURING DEFECTS

TIME SPORT INTERNATIONAL guarantees this product is free of any defects, whether in the materials used or in the way it has been made.

This warranty is strictly limited to the replacement of the parts identified defective by the TIME after-sales service department.

Warning: This warranty doesn't involve TIME products given to sponsored racing professionals or amateurs.

Duration: The warranty given by TIME is a lifetime warranty, only for the original buyer, against material or manufacturing defects.
It only applies to products sold by a TIME authorized retailer.

Limitations: The TIME warranty does not cover the finish, damages or defects caused by abnormal use, lack of maintenance, an accident, a fall, or a failure to follow the recommendations enclosed in the instruction manual.

Modifications: Any unauthorized alteration cancels the warranty.

Procedure: For any problem regarding the frame, please contact your TIME retailer. They will call the TIME after-sales service department who will open a return folder. The TIME retailer will then return the module to the after-sales department with the original invoice, the warranty card, and a letter specifying the reasons for the return, as well as a detailed description of the problem encountered, the kind of use, each component's reference number, and the number of kilometers ridden.

Cost: The TIME after-sales service department will decide if the repairing will be free of charge as soon as the materials are received. The customer will have to pay for both disassembly and reassembly, as well as shipping costs. TIME SPORT INTERNATIONAL will cover the cost of return shipping to the retailer, if the repairs fall under the warranty.

Recommendations: TIME recommends scrupulously following the instructions for the assembly and use of the module. In the event of an impact or a fall, the module can suffer from very high stresses whose effects may be delayed, causing cracking or even a breakage of the structure.

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AFTER AN IMPACT OR A FALL, BRING THE MODULE OR THE FRAME TO YOUR TIME RETALIER FOR A THOROUGH INSPECTION.

WARNING: The warranty will work only if the removable flap, stamped and signed by the TIME retailer, is sent to TIME SPORT INTERNATIONAL by the buyer within 10 days of the purchase date.

Congratulations!

" Congratulations and thank you for your trust, you have just acquired a TIME NX. "

The TIME modules or frames are designed with the most modern tools, manufactured with the most state of the art materials, and made with the most advanced technologies.

The TIME NX is the result of experience acquired during the biggest international biking races, with the collaboration of the most capable racers.

The use of carbon fibers combined with polyamide fibers (ViBraser technology) gives a unique performance, perfectly balanced between lightness, dynamic qualities, and vibration filtration.

In order to guarantee the perfect use of your module or frame, we advise you ask a professional to assemble your components. Before use, it is very important that you read the instructions completely in order to totally enjoy the qualities of the product and to ride safely.
TIME reserves the right to change the characteristics of the product without any notice in order to continually improve it.

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TIME NX component composition:

	Composition
Frame	RTM Carbon Matrix + TIME VIBRASER technology
Fork	Monobloc RTM carbon
Seatpost	TIME RTM carbon
Headset	Quick Set
Accessories	Compression cap Stem spacer kit TransLink joint TransLink cutting tool Front and rear brake nuts Cable sleeve under bottom bracket Quick Set adjustment pins

Technical specifications:

- Wheel diameter	700C
- Tire cross section	700 x 23
- Front hub width	100 mm
- Rear hub width	130 mm
- Bottom bracket width	68 mm
- Bottom bracket	Standard BB30
- Crankset w/double chainring	43,5 mm
- Crankset w/triple chainring	46,5 mm
- Seatpost	Specific
- Front derailleur type	A braser
- Rear derailleur support	M10 x 100
- Brake caliper	Standard shoes (Route 39/50)
- Headset	Integrated

Nota: The TIME NX conforms to the standards ***EN 14781***

It is protected under the following patents:
- Quick Set Headset: EP 1 569 843 and US 7 237 787
- Multi-diameter pivot: FR 2 807 382 and US6 805 372
- Composite pivot: EP 1 015 301

SAFETY INFORMATION

The TIME modules or frames are high end products and they contain every safety security when used as intended. Please read carefully the following instructions, ensuring a safe use.

Tightening torques:
Carefully follow all tightening torques in order to maintain proper function and security.
Use a high quality torque wrench.
- Saddle clamp = **8 Nm (rear bolt)**
- Saddle = **5 Nm**
- Rear stem bracket = **5 Nm**
- Front stem bracket = **6 Nm**
- Brake nuts = **6 Nm**
- Front derailleur support = **7 Nm**

Replacement parts:
- Only use original parts when replacing worn parts (bearings, derailleur supports, etc.)

General use:

- It is highly recommended to consult a professional for the set-up of your frame or module.
- Take all necessary precautions during transport (especially by plane) in order to protect your bike from abnormal impacts.
- Regularly inspect your bike before use.
- Do not leave your bike exposed to a strong heat source.
- In case of a fall, have your bike checked by a retailer or by the TIME after-sales service department.
- When in doubt about a part of your module, contact the TIME after-sales service department.

TIME is not responsible for set-ups that do not follow these instructions or use the proper tools and method of assembly.

Bicycle set up

Before setting up the bike, make sure all parts and components are compatible with the TIME module or frame.
In order to adapt the TIME Translink module to the user's height and position, it will be necessary to adjust the stem height as well as the saddle height.

A) Saddle height adjustment
B) Fork pivot height adjustment and stem set-up
C) Bottom bracket set-up.
D) Brake caliper set-up
E) Front derailleur set-up
F) Rear derailleur set-up
G) Supplementary components
H) Adjustments and maintenance
   1 Headset adjustment
   2 Headset bearing replacement
   3 Rear derailleur support replacement
   4 Cleaning

A) SADDLE HEIGHT ADJUSTMENT

The NX is equipped with a seatpost specifically designed for the frame.

Warning: This seatpost cannot be replaced by any other model, even if it has a similar shape!

1) Saddle set-up on the seat clamp

Make sure the lower cradle is in the correct position.
Loosen the rear cradle bolt (fig.1) to insert the seat rails (fig 1-1)



Figura 1



Rear bolt

Figura 1-1

Loosely tighten the saddle in order to position it horizontally (fig.2)



Figure 2

2) Position the assembly on the NX frame

The saddle collar should be in place on the frame, with the bolts loosened.
Insert the seatpost into the frame without rotating it (fig 3).

It is not recommended to grease the seatpost, in order to hold its position. However, if lubrication is necessary, grease the inside of the frame, making sure not to grease the tightening collar surface (contact surface between the collar and post) or the seatpost itself!

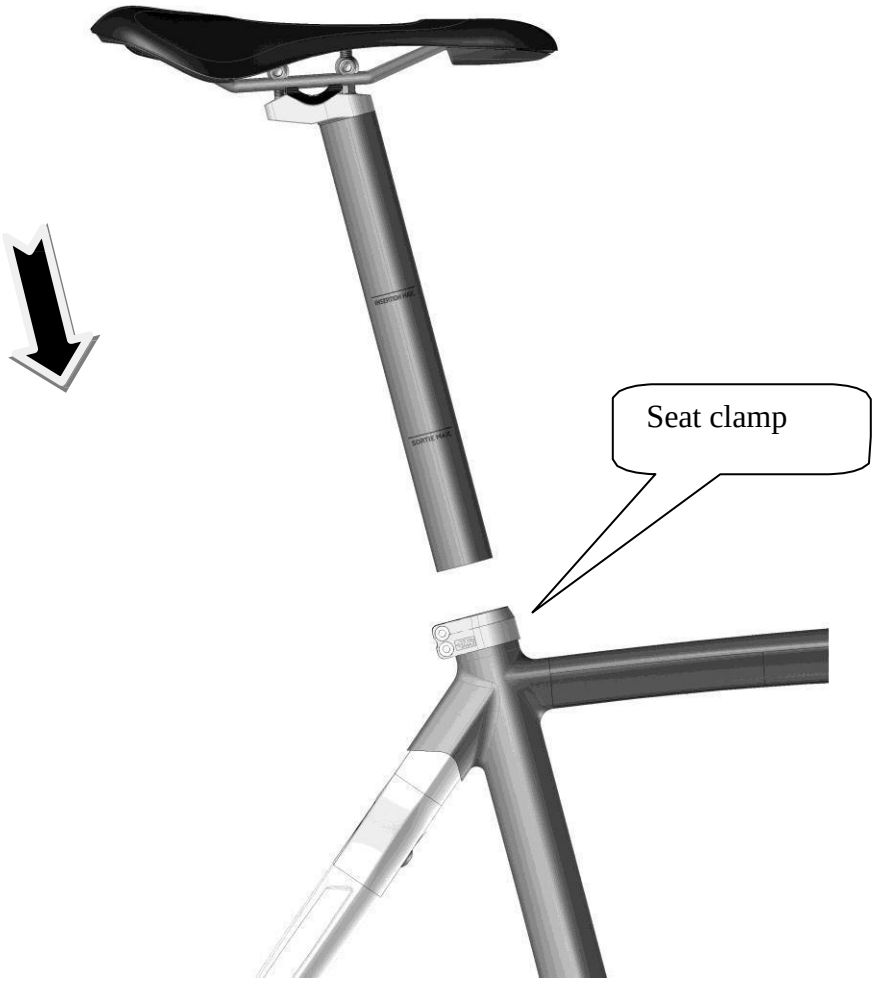


Figure 3

3) Saddle height adjustment

Setting the saddle height is done in a traditional manner. Be careful that the final position of the seatpost is between the two markings, 'max. extension' and 'max. insertion'. (fig 4).

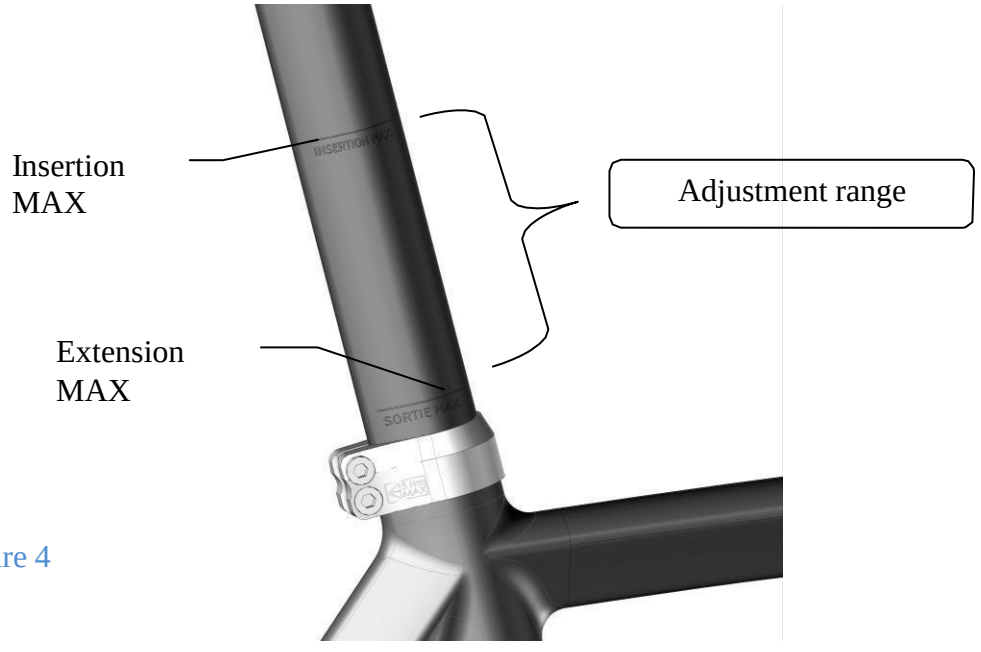


Figure 4

5) Tightening of saddle collar
Once the saddle height has been determined, tighten the saddle collar to the recommended torque of 5Nm, while being careful to alternate the tightening on each bolt (fig 5).

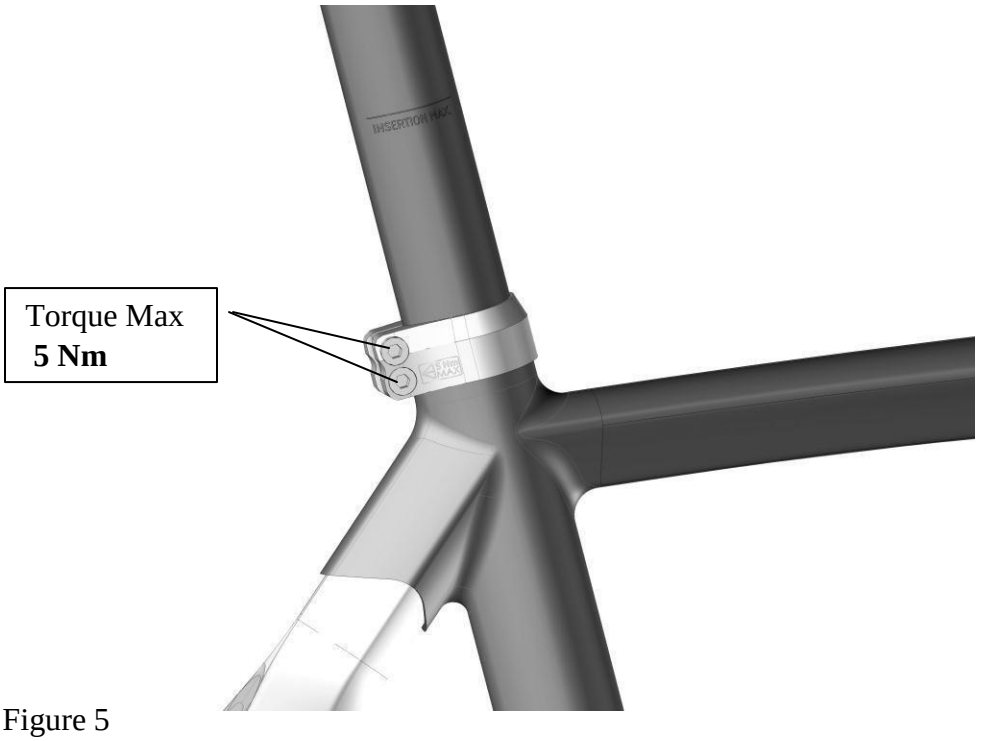


Figure 5

Important:
In no case should the seatpost extend beyond the limit maked Max extension, or inserted beyond the limit marked Max insertion.

B) STEM HEIGHT ADJUSTMENT AND STEM SET-UP

The NX frames or modules are equipped with a patented headset system, QUICKSET.

The QUICKSET concept involves separating the headset adjustment from the stem adjustment, all while maintaining the advantages of the Aheadset system (TIME patent). The cyclist can therefore adjust their position without changing the headset adjustment. This solution makes any sort of compression system obsolete.

The QUICKSET headset adjustment is factory set, and therefore it is not necessary to take it apart beforehand.

1) Stem set-up
- Go to the instructions provided with the chosen accessory.

2) Stem trial set-up
- Do a trial set-up to determine the height of the stem (fig.10)
- For maximum adjustment, a kit of 3 spacers of 5, 10, and 15 mm are included with the module. These spacers are designed to avoid any unwanted vibrations!
- Do a trial setting of the stem height.

- **For security reasons, do not use any extra spacers.**

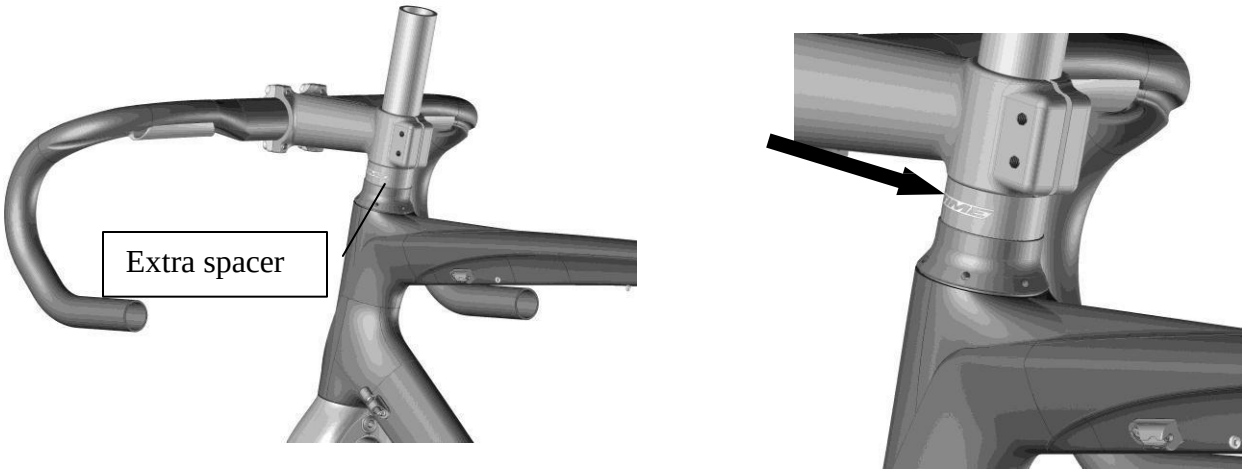


Figure 6

3) Cutting the fork steer tube

- Determine the length of steer tube to be cut.
- Remove the stem (without removing the spacers).
- Make the cut, **being careful not to wander** (use a sharp metal cutting blade) (fig.7)
- Clean the carbon burrs and sawdust.

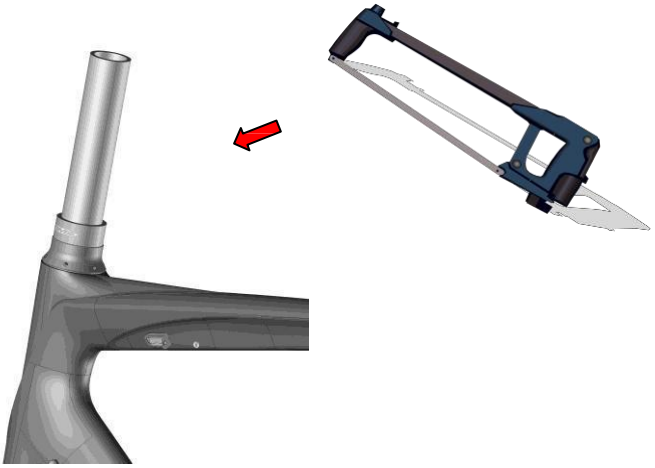


Figure 7

We advise you to cut the steer tube with a saw guide (type VAR FH 92900).
The cut must be made perpendicular to the pivot axis.

4) Replace the stem

- Position the stem and make sure the height of the fork steer tube is between 0.5 and 2 mm below the upper face of the stem (fig. 12)
- Insert the plug into the interior of the fork steer tube.
- Align the stem.
- Tighten the stem to a torque of **5 Nm** (use a torque wrench) (fig. 9)

Warning: overtightening will not improve the hold of the stem but may instead irreversibly damage the fork steer tube.

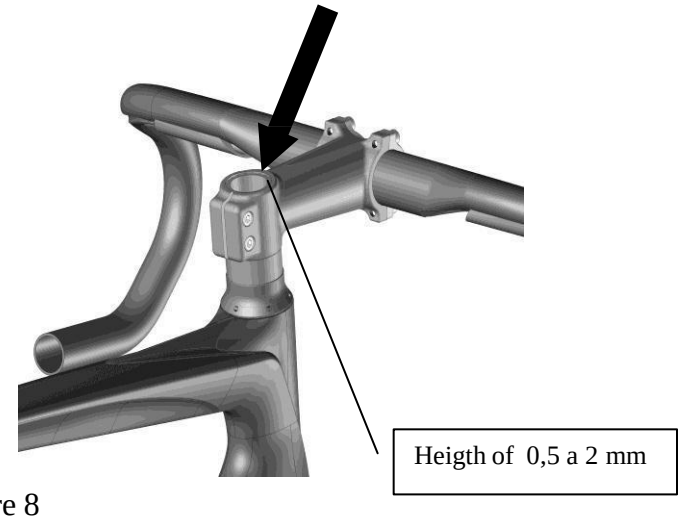


Figure 8

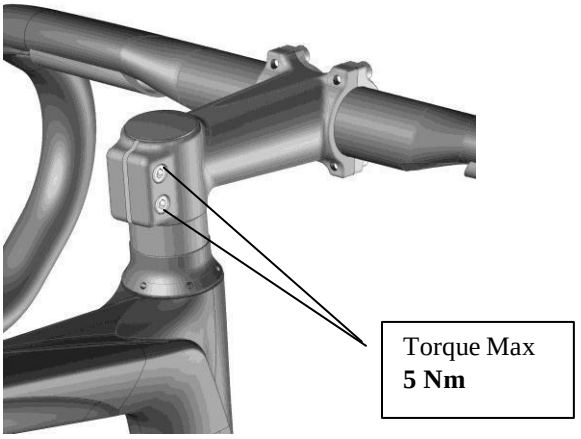


Figure 9

C) BOTTOM BRACKET SET-UP

The TIME NX frames and modules are made to fit the new benchmark of bottom brackets, the BB 30.

Before proceeding to set-up, make sure that your bottom bracket is compatible with the BB30.
(Certain manufacturers of bottom brackets provide an adapter for BSC to BB30)

Continue to set-up while following the manufacturer's recommendations for the bottom bracket.

Warning: The bottom bracket bearings are factory set, therefore no adjustment is necessary before set-up.

Advice: In order to avoid noise over time, we recommend setting up the BB30 bearings with LOCTITE 648.
This will maintain a silent and long-term function, while guaranteeing a future disassembly.

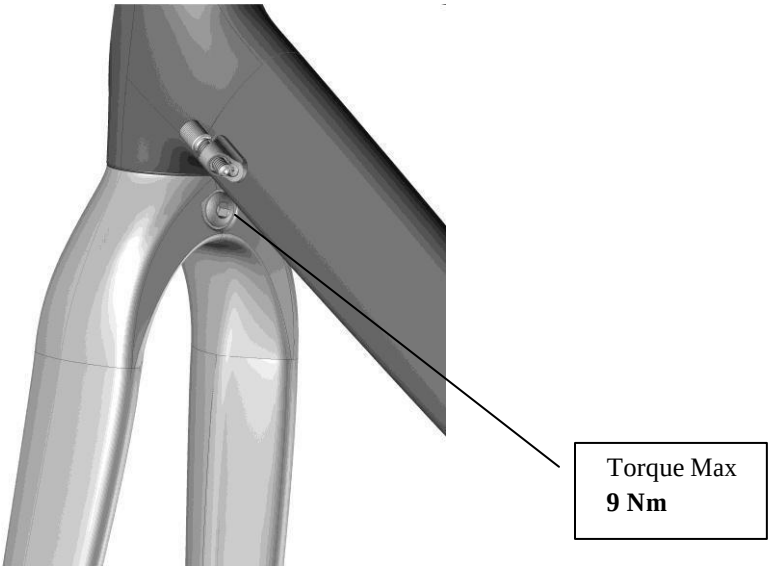
D) BRAKE CALIPER SET-UP

Before proceeding to set-up, familiarize yourself with the manufacturer's brake system spec sheet.

The TIME modules or frames are delivered with specific brake nuts, which should be used in place of the original brake nuts.

- Front nut length 36 mm (ref: 60005999)
- Rear nut length 30 mm (ref: 60006058)
- Lightly grease nuts before set-up.
- Torque to **9Nm** using a torque wrench (fig.10)

Figure 10



Warning: The brake nuts are specific for each module type and should not be used on another product, and vice versa.
Overtightening will not increase the hold but may instead hinder the strength.

E) FRONT DERAILLEUR SET-UP

Before proceeding to set-up, familiarize yourself with the manufacturer's spec sheet for the front derailleur.

The TIME NX frames and module are made to fit an 'à braser' front derailleur.
- The derailleur hanger is adjustable in 2 positions.
- Upper position for standard pedals (chainring of 53 teeth) (fig.11)
- Low position for compact pedals (chainring of 50 teeth) (fig.12)
- Tighten the bolts (Ref: 600045041) to **7 Nm** using a torque wrench.



Figure 11





Figure 12

Warning: in no case force the position of the angular derailleur hanger, as this may irreparably damage the frame.

F) REAR DERAILLEUR SET-UP

Before proceeding to set-up, familiarize yourself with the manufacturer's spec sheet for the rear derailleur.

The TIME module is compatible with 10 and 11 speed derailleurs.
- Lightly grease the attachment bolt before set-up.
- Standard thread M 10 X 100

Warning: If adjusting the rear hanger turns out to be necessary, it is important to have a professional do this with the correct tool. Large and repeated distortions can weaken the rear derailleur hanger.

G) SUPPLEMENTARY COMPONENTS

Your TIME frame or module comes with a certain number of supplementary components!

1) Cable stop protectors

They should be placed on the derailleur cable stops in order to avoid rubbing and impacts with the frame (Ref: 55005998) (fig. 13)

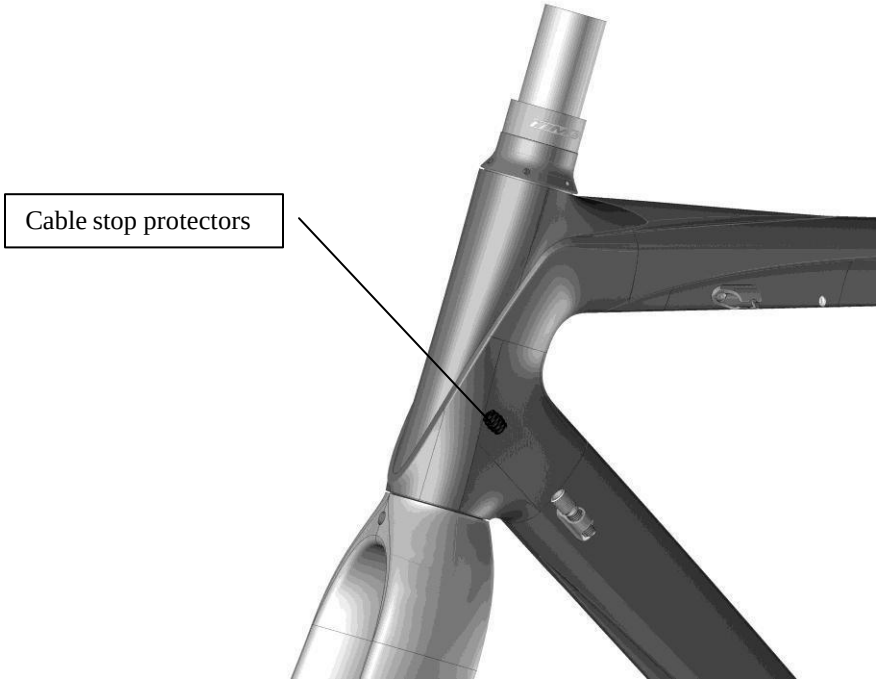


Figure 13

2) Brake cable stops

They should be positioned on the rear brake cable in order to avoid direct contact between the cable and frame during vibrations or operation (Ref: 55003988) (fig.14)

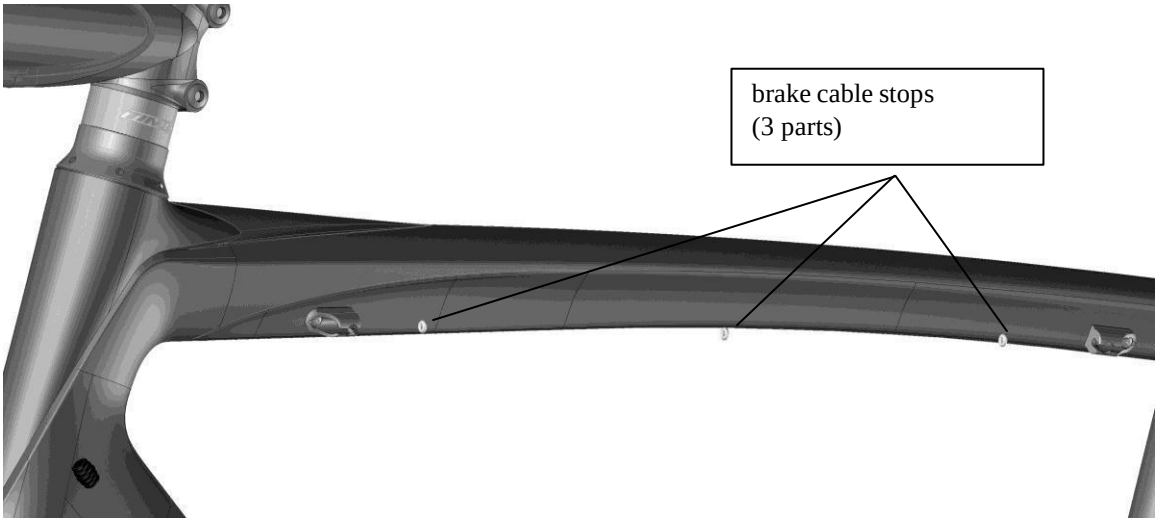


Figure 14

3) Front derailleur cable protection sleeve
It should be placed on the front derailleur cable in order to protect the frame from rubbing (Ref: 55006065) (fig. 15)

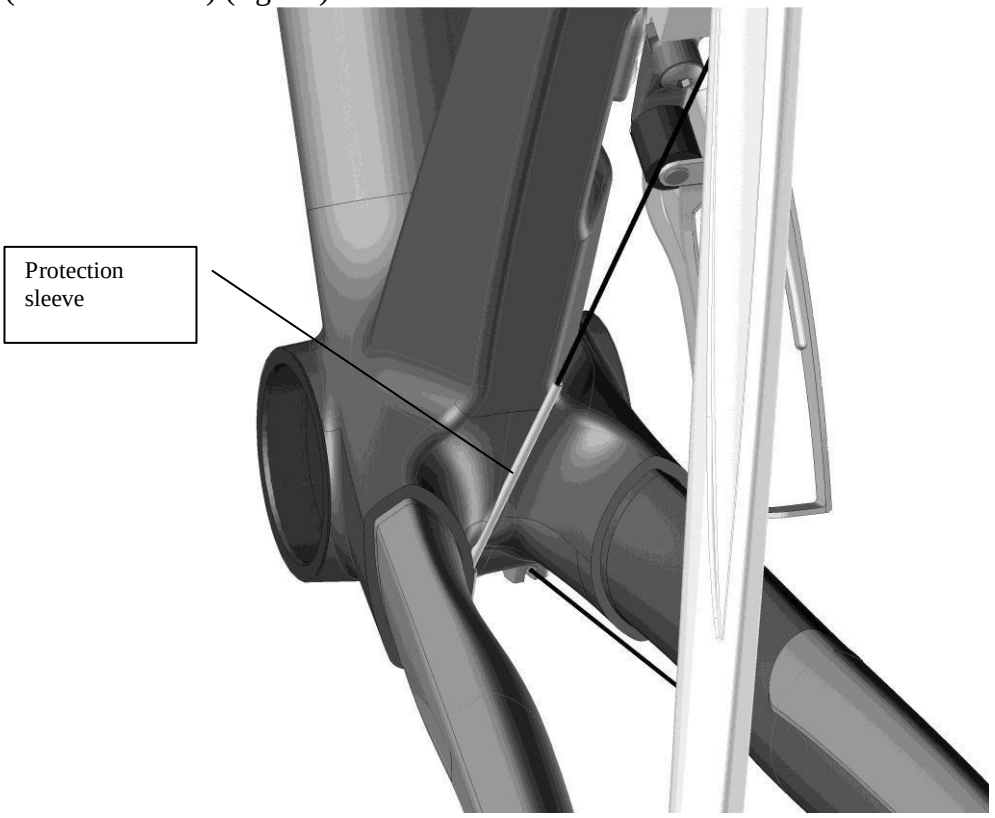


Figure 15

H) ADJUSTMENTS AND MAINTENANCE

1) Headset adjustment

The TIME modules or frames are equipped with a QUICKSET headset.
Even though it is factory set, it is normal to have a small amount of play after a break in period.

To remove this play, proceed as follows:

- Use the small adjustment pins included in the module. (ref: 60003067)
- Position them in the collar.
- Immobilize the forks and lightly turn the collar clockwise to remove the play. (fig.16)

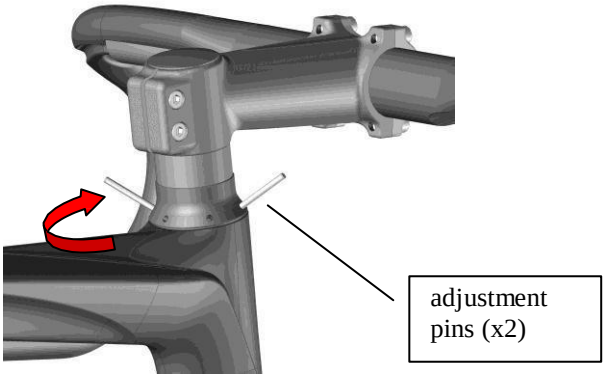
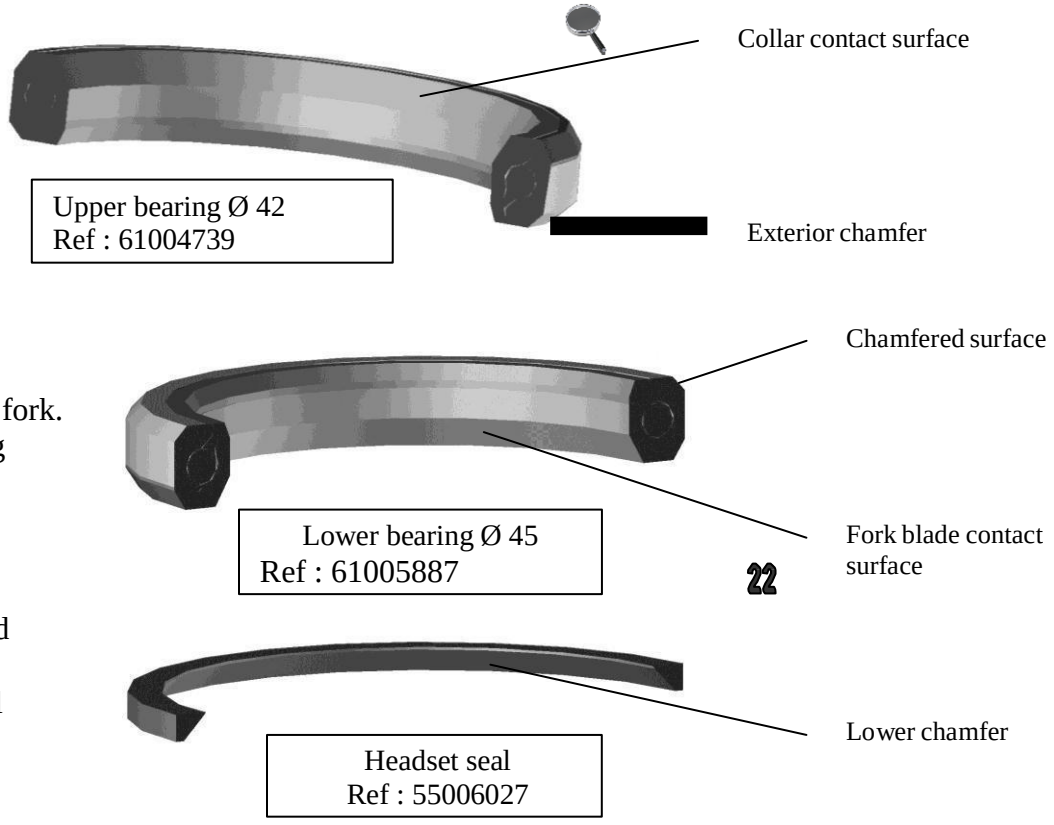


Figure 16

Warning: Avoid overtightening the headset, which could overly restrict movement and prematurely damage the bearings.

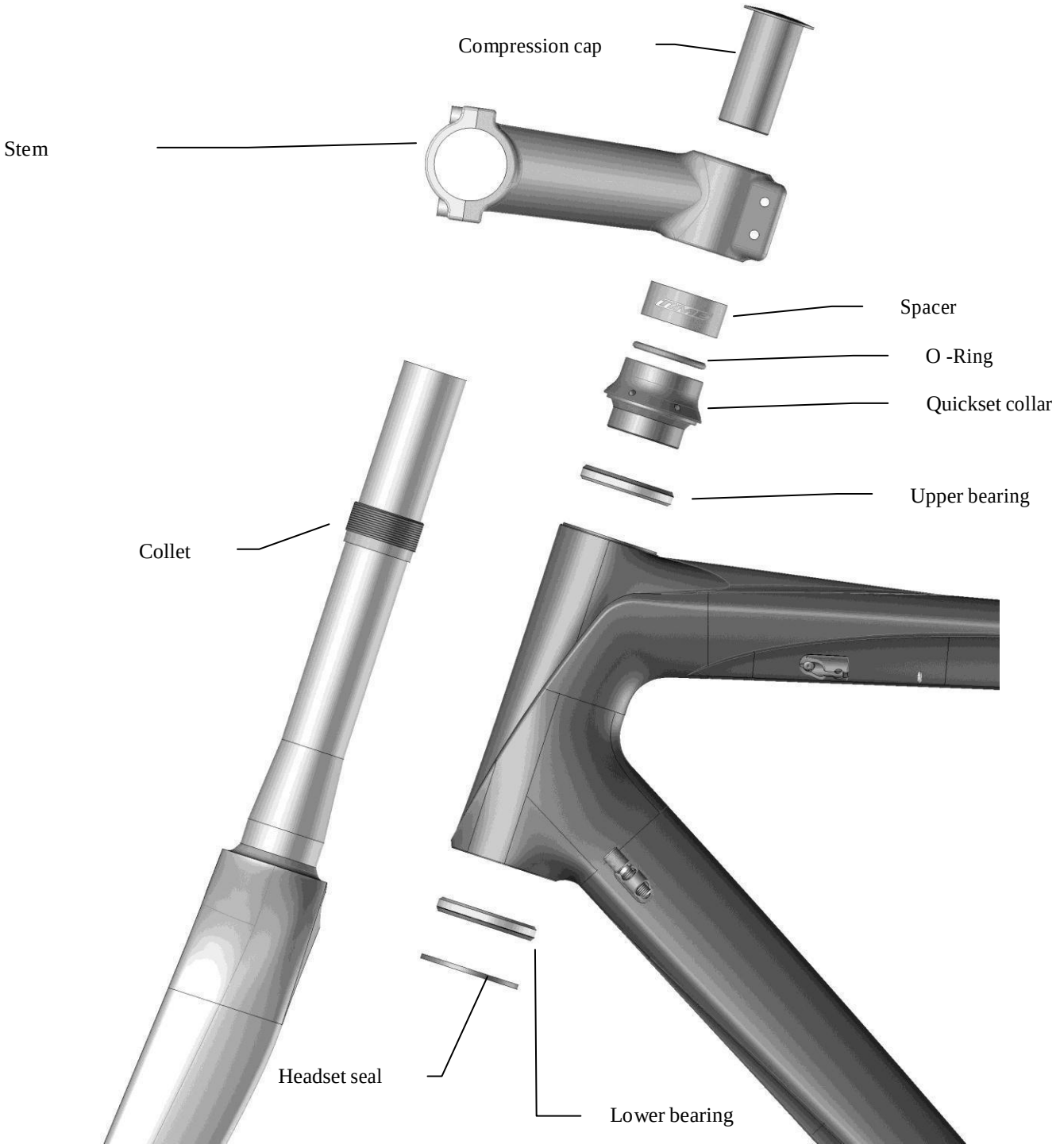
2)Headset bearing replacement

- Disassemble the stem by loosening the attachment bolts (if need be, disconnect the brake cables and derailleurs).
- Slide the stem towards the top, being careful not to damage the compression cap and spacers.
- Loosen the QUICKSET collar using the small adjustment pins included with the module. (**Ref: 60003067**)
- Remove the collar by sliding it.
- Remove the fork from the frame.
- Remove the bearings and headset seal.
- Clean everything within reach and then re-grease using bicycle grease.
- Place the chamfered side of the headset seal towards the bottom of the fork.
- Position the lower headset bearing Ø45 **(Ref: 61005887**) while making sure to locate the exterior chamfer face up. (fig. 22)
- Insert the fork into the frame.
- Position the upper headset bearing Ø42 **(Ref: 61004739**) while making sure to locate the exterior chamfer face down. (fig.21)
- Slide the QUICKSET collar on the pivot so it just contacts the threaded ring.
- Tighten the collar right up to contact with the bearings, using the small adjustment pins. (**Ref: 60003067**)
- Carefully adjust the play in the headset.
- Reassemble the stem.



Warning: The TIME headset bearings have a specific orientation!
Do not in any case use bearings that are adaptable or from another brand. Doing so will put the rider at risk and irreversibly damage your frame.

Expanded view of headset set-up



3) Rear derailleur support replacement.

- Loosen the 2 M3 screws with a phillips screwdriver.
- Remove the damaged derailleur support.
- Lightly grease the supporting surface on the frame.
- Position the new derailleur support (ref: 55003337)
- Tighten the 2 M3 phillips screws.



Nota: After a few dozen kilometers, verify that the M3 phillips screws are tight.

3) Cleaning

- Use products that are not harmful for the environment.
- Do not use a high-pressure sprayer.
- Wipe the module with a soft rag.

Warning: Do not use abrasive products as well as polish. Traces of grease can be removed by using a solvent such as White Spirit.