



Integrated
Seatpost
(ISP)

CUTTING GUIDE

Congratulations on your purchase of a Giant Integrated Seatpost (ISP) frame. ISP (FIG. 1) represents the latest achievement in design and engineering, but also requires special attention. While Giant Bicycle engineers use the highest quality materials to form this ISP, you must follow certain guidelines and use proper equipment to attain optimal performance.



WARNING

Failure to follow these instructions will void your warranty, and may result in hidden damage to the ISP. Damage to the ISP can cause loss of structural integrity, which may result in serious personal injury or death.



FIG 1

A proper saddle height brings out the best performance and comfort in your bicycle. To meet the correct saddle height, the integrated seat post might require cutting off at a specific length. Since the cutting of the ISP is a **precision** task requiring training and experience, only Giant dealers should complete the **authorized** process.

ISP Cutting Instructions

SPECIAL TOOL



Cutting Guide

Step 1

Install the saddle onto the seatpost using the included saddle clamp mechanism. Put the saddle in a horizontal position and then determine the length to be cut.

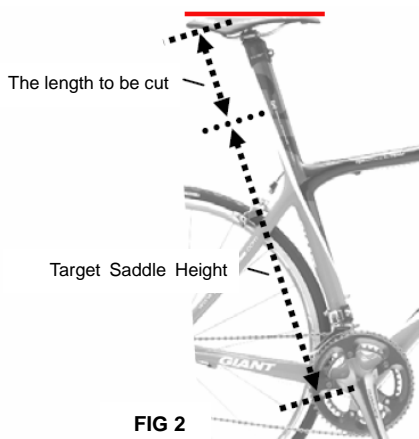


FIG 2

NOTE: The additional range (20mm) of saddle height adjustment (utilizing the included spacers) provides fine-tuning adjustment after the ISP is cut.

NOTE: The final cut length must not exceed the Maximum Cutting Length limits (see chart below). Cutting the ISP below this limit may result in the inability to attach the seat clamp or structural failure of the ISP

Maximum Cutting Length

	TCR Advanced	TRINITY
XS	120mm	
S	120mm	140mm
M	120mm	130mm
M-L	110mm	
L	110mm	110mm
XL	110mm	

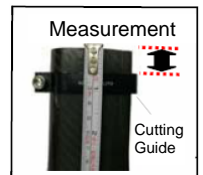
Step 2

Loosen the saddle clamp bolt and remove the saddle.

Step 3

First, lay your frame flat on a clean surface protecting the finish with a clean soft cloth at points of contact.

Place the Cutting Guide to the precise location of the desired cut.



Be sure to double-check your measurement.

NOTE: Avoid scratching or damaging the integrated seatpost during the installation of the Cutting Guide.

NOTE: Do not attempt to clamp ISP frame into a traditional workstand and by either the ISP or the top tube. Doing so will cause failure and void the warranty. Instead, a "European" style front-wheel workstand is recommend for maintenance.

Step 4

Tighten the Cutting Guide bolt correctly to 17 in-lb (1.96 Nm).

Step 5

Put the seat tube in a horizontal position. Use the Cutting Guide to guide the hacksaw blade to achieve a straight, perpendicular cut.



NOTE: To avoid fraying the composite fibers. Use a fine tooth (32 tooth) saw blade.

NOTE: Be sure to wear appropriate safety equipment, such as glasses, gloves and a dust mask. Make sure not to inhale any of the dust!

NOTE: Take care when finishing the cutting process to not splinter the composite.

Step 6

Carefully sand-down any burrs with fine emery paper.

Step 7

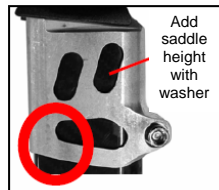
Remove the Cutting Guide from the integrated seatpost. Then, install the saddle onto the seatpost and rechecking the Target Saddle Height.



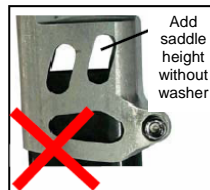
If the SADDLE HEIGHT is still lower than the target (or when you want to fine tune saddle height in the future), you should use the included ISP seat clamp spacers to add the saddle height.

There are three selections: 10mm (1pc), 5mm (1pc), and 3mm (2pcs).

NOTE: If the end of the integrated seat post is not touching the base of the seat clamp structure, the integrated seatpost may break and result in a serious accident.

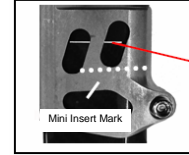


Add saddle height with washer



Add saddle height without washer

NOTE: After adding the appropriate number of ISP spacers, make sure the ISP does not fall below the Minimum Insertion Mark. Otherwise the ISP may break and result in a serious accident.



After adding the washer, the ISP should always touch the base of the washer and is also over the Mini Insert Mark.

Step 8

Tighten the saddle clamp bolt with a recommended torque to avoid the saddle from slipping down.

Recommended tightening torque 26-35 in-lb (2.9-3.9Nm)
For seat fixing bolt using a 13mm spanner, tighten to 160 in-lb (18.14 Nm)



NOTE: Do not grease the integrated seatpost or the inner side of the saddle clamping mechanism.

Warranty

Please refer to the Giant Owner's Manual or visit our Website:

www.giant-bicycles.com

for complete provisions of the warranty.

