

What are the disadvantages of fully internal cable routing in aluminum frames



Overview

While internal routing provides a polished look and marginal performance gains, it comes at the cost of maintenance complexity, potential fit challenges, and a higher price. An integrated cockpit can be a good upgrade, especially if you value a clean aesthetic and aerodynamic. I've made my opinions on fully internal cable routing very clear over the past several years. In short, I'm not the biggest fan (especially on mountain bikes). The brake and shifter cables are simply hidden inside the handlebar, stem, and frame. Singletracks may earn commissions from affiliate links and/or receive products from manufacturers for review. We asked those in the know if they think the positives outweigh the negatives Bikes with internal cable routing looks super slick and. What are the advantages and disadvantages of internal wiring from the handlebars?

The safety warning issued by Specialized on its Tarmac SL7 is already well behind us and everything seems to be solved for that model, but at the time it set off all the alarms. While these bikes look sleek and are touted as aerodynamic perfection, they can be a hassle for home mechanics.



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Ministry Cycles found full internal cable routing wasn't worth the ...

While most riders ultimately prefer a simple, cable-free look, getting there is anything but simple, with frame strength,

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The sting of integrated components and internal cable routing for riders.

While these integrated components combined with sleekly routed cables promise improved performance and aesthetics, they come

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How to Set Up a Full Internal Cable Routing Frame for a

Setting up a full internal cable routing frame can drastically enhance the aesthetics and

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Internal Cable Routing

Internal Cable Routing - Any seasoned wrenches have some tips or tricks to make the job less hellish? I've been working at a bike

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Internal vs external frame cable routing

Or what? Reason I ask is I have a '92 steel Colnago frame that has an internal cable routing on the top tube for the

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Has Full Internal Cable Routing on Road Bikes Been Worth It?

The move to full internal cable routing on road bikes has sparked much debate. While these bikes look sleek and are

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Debatable: Internal Cable Routing Isn't Worth It

Especially on bikes that forgo fully-guided routing, it's very common for cables to rattle around inside frame tubes and

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Has the move to full internal cable routing on road bikes been worth it ...

Have you seen any studies showing internal cable routing reduces drag compared to external? Yes, but the ones

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Internal Bike Cable Routing - What's the Advantage?

I've even seen rims full of water. Riders often have no idea it's in the bike. Besides the clean look, a cable running inside the frame is

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Internal cable routing

When internal cable routing appeared on mid-1970s frames, that feature on cheap racing frames (sold to juniors,

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Questions on internal cable routing for custom frame

Generally internal is more hassle than external, especially when dealing with severe angles and small cable exits (as pictured

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While internal routing provides a polished look and marginal performance gains, it comes at the cost of maintenance

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The truth about integrated cable routing - part two | 3 bike fitters ...

And it's not only road and gravel bikes - integrated cable routing has also been ported over to mountain bikes and

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Are there any recommended internal cable routing systems?

In terms of aesthetics, there's little difference between half internal routing and non internal cable routing. I would like

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The frame comes in six different sizes to accommodate different rider heights, making it a

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Opinion | Internal cable routing has gone too far What have we gained from hiding all of

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Pros and cons of internal cable routing from the handlebar | Bike ...

Aesthetics: One of the main advantages of bicycles with internal wiring is that they offer a cleaner and more aesthetic appearance.

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What are the pros and cons of internally routed cables?

Pros: Clean look, slightly more aerodynamic Cons: Usually a pain in the ass to change. Some frames have poor internal routing

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Building a Steel Road Bike Frame with Fully Integrated Cables

Internal cable routing on a steel road bike – is it worth it? Many riders love the clean look of hidden cables, but figuring

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Internal cable routing from the handlebars: the pros and cons of an ...

The entry holes needed in the frame to route the cables create structurally weak areas that need more carbon to

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Should I internally route my cables? : r/bikewrench

I recommend against it. My wife and I tried to internally route cables on a handlebar with the plastic tubes still in. It started out okay

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Internal cable routing damage and safety

Internal cable routing is pretty, but also potentially prone to steerer tube wear. Here are some precautions you can

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Internal Cable Routing Looks Good, But Adds Headaches and Zero ...

For a majority of bike mechanics, internal cable routing will be one of the

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Do you actually want internal cables? : r/cycling

Negatives of internal cables More complex to maintain: you can't easily access cables and cable housing. Fully hidden cables make

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Why use stealth internal cable routing? – PARLEE Cycles

Stealth routing, or fully internal routing, typically hides the cables inside the handlebar and stem, feeding them

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Should You Choose a Full Internal Cable Routing MTB Frame

Full internal cable routing isn't a must-have, but it's a worthy upgrade for riders valuing aesthetics, protection, and

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Tech Talk: Internal Cabling Conundrum

As frame manufacturers, internal cable routing presents one of the biggest challenges when laying out a frame. The

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Internal Cable on Any Bike Frame

Internal Cable on Any Bike Frame: I bought this bike for 40 bucks, which is next to nothing, so I decided to

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Internal cable routing, the dumbest trend in bike design

Internal routing looks nicer and is more aero. That said, in general bikes are becoming more modern. You

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The truth about integrated cable routing

That said, two exceptions here include the recently released Lauf Úthald and the new Specialized Roubaix, though

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