SPORTENZIA

USER GUIDE

TOOPRE INTERNAL CABLE ROUTING KIT

A magnet guides a cable through the frame tube, from the entry port to the exit port, and that cable then pulls through the housing, Di2 wire or hose. Contents, preparation, step-by-step routing and troubleshooting.

REF. KIT3 · CARBON, TITANIUM, ALUMINIUM FRAMES · 1.6 M GUIDE CABLE



01 · GETTING STARTED

CONTENTS, COMPATIBILITY, PREPARATION

In the box

- The main magnet in aluminium, with a built-in compartment to store the connectors.
- The magnetic guide cable, which the magnet draws through the frame.
- The sheathed pull cable and the quick-pull sleeve, to link the part being routed to the guide cable.
- Three connectors: Di2, inner cable, hydraulic hose.
- A rigid storage box and the maker's manual.

Compatibility

Carbon, titanium or aluminium frames, with entry and exit ports at least 6 mm in diameter. **Not for steel frames**: the tube attracts the magnet, which can no longer guide the cable. The kit routes inner cables, housing, Di2 wires and hydraulic hoses.

Preparing

1. **Clear the ports** at entry and exit: remove grommets and plugs, work out the route through the tube.
2. **Choose the connector** Di2 for an electric wire, inner cable for a brake or gear cable, hose for a hydraulic brake.
3. **Fit it to the part being routed** as shown in the maker's manual; the hose connector screws into the end of the hose.
4. **Link it to the guide cable** with the sheathed pull cable or the quick-pull sleeve. Pull on the assembly: it must hold.

Specifications

Use	**Internal cables and hoses**	Frames	**Carbon, titanium, aluminium**
Ports	**Ø 6 mm minimum**	Cable	**1.6 m**
Materials	**Aluminium, magnet, stainless steel**	Weight	**≈ 63 g with box**
Box (mm)	**90 × 67 × 30**	Colour	**Blue**

SAFETY

- Keep the magnet and small parts out of reach of children: they are dangerous if swallowed.
- Keep the magnet away from pacemakers, bank cards and electronic devices.
- After routing a hose, connect and bleed the brake following its maker's instructions, then test it while stationary before riding.

BEFORE YOU START

- Do a dry run with the guide cable alone: you find the route and the bends.
- Put the bike in a workstand, tube level, frame clean and dry.

02 · ROUTING

GUIDE, PULL, STORE

Routing the cable

5. **Feed in the guide cable** by its free end through the entry port, a few centimetres in.
6. **Guide it with the magnet** placed on the tube over the end of the cable: slide it slowly towards the exit port without lifting it off the frame.
7. **Bring out the end** at the exit port: the magnet draws it out. Take hold of it and pull gently.
8. **Pull the part through** with a steady motion until the connector comes out, feeding the housing or hose in at the entry. Never force it.
9. **Remove the connector** from the guide cable, then from the routed part.
10. **Trim the hose** after routing a hydraulic hose: cut 10 mm off the end, where the connector was screwed in, before connecting it. This prevents leaks.

Storage and care

- Store the connectors in the magnet's compartment, and everything in the rigid box.
- Wipe the guide cable after use and coil it without sharp kinks.
- Protect the frame: a cable pulled at an angle against the edge of a port marks the paint.

AVOID

- Forcing when the cable stops: the connector can come loose and stay inside the tube.
- Pulling housing or a hose through a grommet left in place.
- Using the kit on a steel frame or through a port under 6 mm.
- Sliding a dirty magnet over the frame: a grain of sand scratches the paint.

Slowly and without forcing: the magnet does the work, you guide it.



The main magnet and the guide cable.

If something goes wrong

SYMPTOM	LIKELY CAUSE	FIX
Magnet does not draw the cable	Steel frame, magnet lifted off the tube	Kit not suited to steel; keep the magnet in contact, move more slowly
Cable stops inside the tube	Bend, reinforcement, bottom bracket	Back off a little, change the magnet's angle, try again
Connector comes loose	Badly fitted	Refit it, test by pulling before feeding in
Leak at the brake fitting	Hose end not trimmed	Cut 10 mm, connect, bleed

Need help?

sportenzia.com/pages/contact

Our team answers your questions about using the kit.