



IA/IAX CABLE ROUTING

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Step 1: Loosen the pinch bolt and remove the brake wire.



Step 2: If housing replacement is needed, then follow the steps below.

Step A: Remove the brake lever according to the brake lever manufacturer's instructions.



Step B: Using the existing housing, insert a spare brake wire starting at the brake lever side.



Step C: Remove the housing while leaving the inner wire as a guide.



Step D: Insert new housing over the inner wire.

Step E: Remove the brake wire while leaving new housing installed.



Step F: Install a housing end if needed and reinstall the brake lever.



Step 3: Insert new brake inner wire.



Step 4: Secure the inner wire in the brake caliper. Tighten to the specifications recommended by the caliper manufacturer. Trim the cable and install cable end.





Step 1: Remove the stem top cap by unscrewing the Flathead M6 bolt with a 4mm hex wrench.



Step 2: To simplify the rear brake cable routing, begin by removing the CALpac storage box by unscrewing the (4) internal screws and (1) front screw with a 2.5mm hex wrench.



Step 3: Unscrew the front side screw on the side of the CALpac to separate the two halves of the box cover.



Step 4: Flex the two halves of the Calpac top outward to free from cables and remove.



Step 5: Using a T9 torx wrench, remove the (2) screws that hold the lower box in the frame and pull out the box. If you have an older model bicycle, you may need to use a 2mm hex wrench instead.



Step 6: If you are replacing the brake housing, remove the old housing and discard. Insert the new housing from the bottom up.



Step 7: To route the new housing through stem begin by inserting a spare inner wire from the back of the stem and through the side port entry hole.



Step 8: Guide the housing that you inserted in Step 5 over the inner wire.

steps: 2A-2F

Pages: 3-4

Step 9 : If you are changing the housing in the handlebar then follow **steps 2A-2F** on the front brake section of this manual.



Step 10: Install the inline adjuster between the handlebar exit port and stem entry port.



Step 11: Route the new inner wire.



Step 12: Install the new inner wire in the caliper per your caliper manufacturer's instructions.

steps: 1-4 in
reverse order

Pages: 4

Step 13: Reinstall the CALpac by performing steps 1-4 in reverse order. Reinstall the stem topcap.





Step 1: Using a T9 Torx drive, unscrew the (2) M3 screws that attach the Di2 nose cone to the frame.



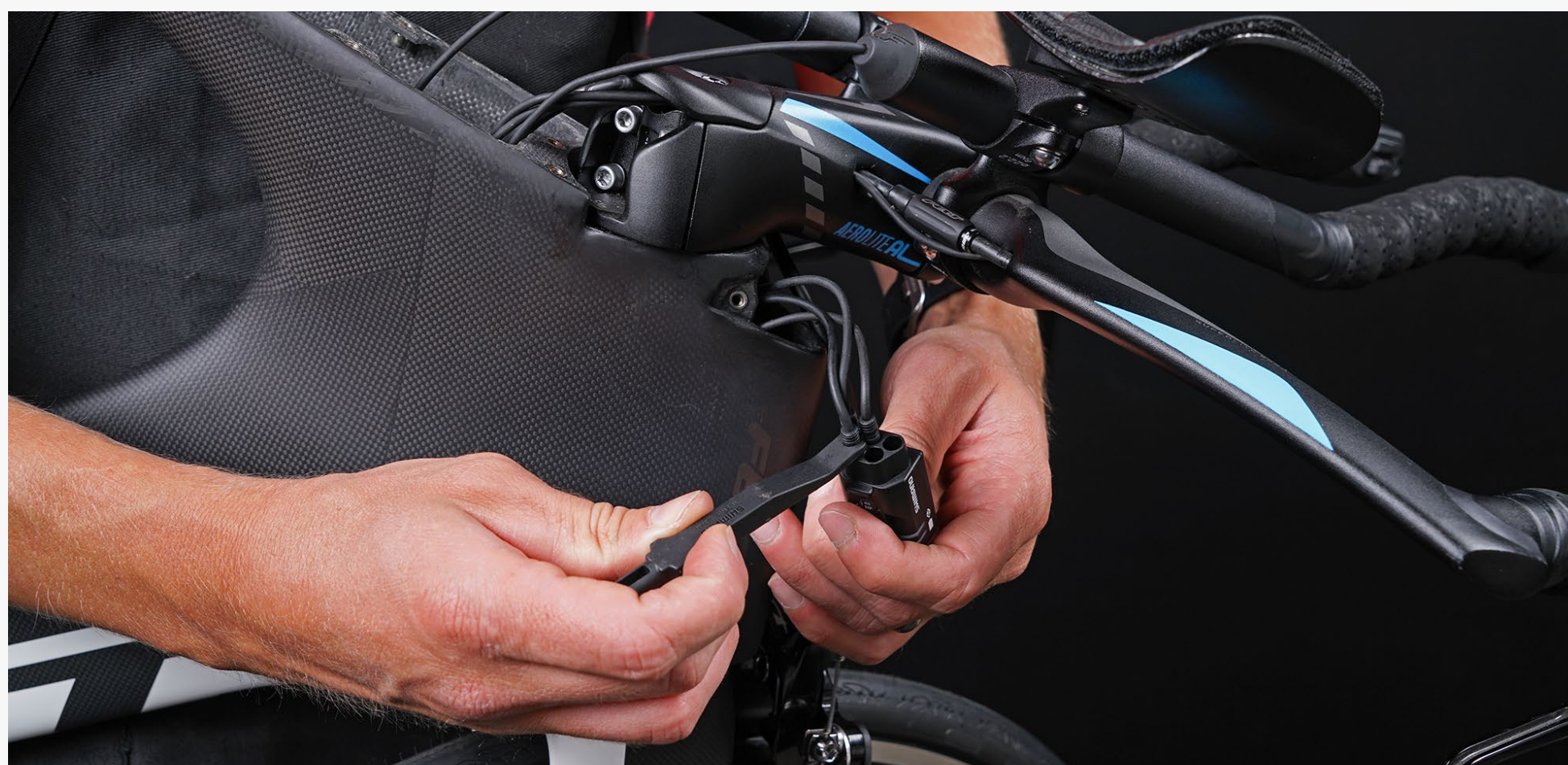
Step 2: If your Di2 wire length is limited, then you can first detach the Di2 wires from the A junction by using the Shimano Di2 installation tool while lifting the nose cone slightly out of the frame.



Step 3: Remove the nose cone.



Step 4: Slide the A junction sideways to detach from the nose cone.

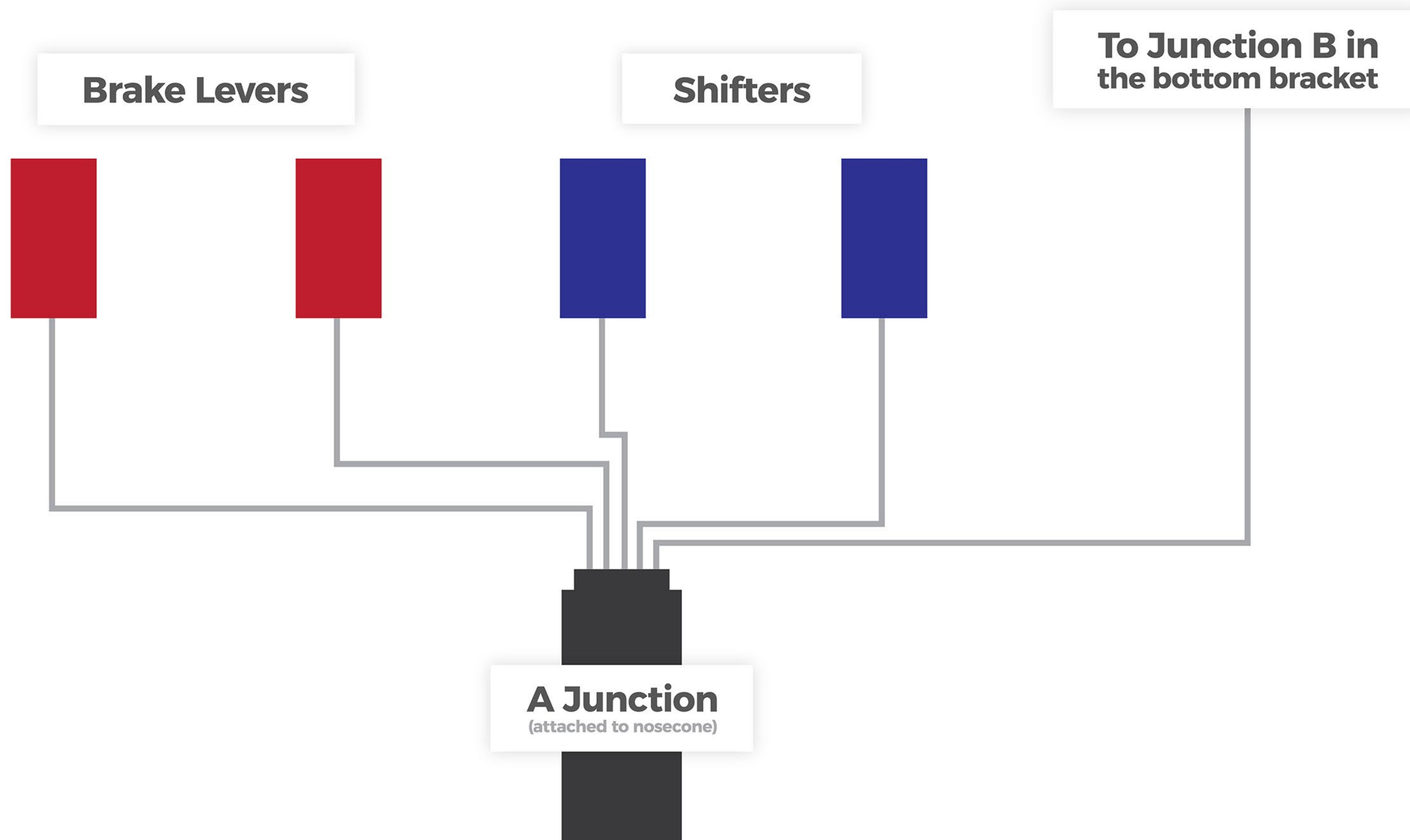


Step 5: If you have not already done so, detach the Di2 wire from the A junction using Shimano Di2 tool.

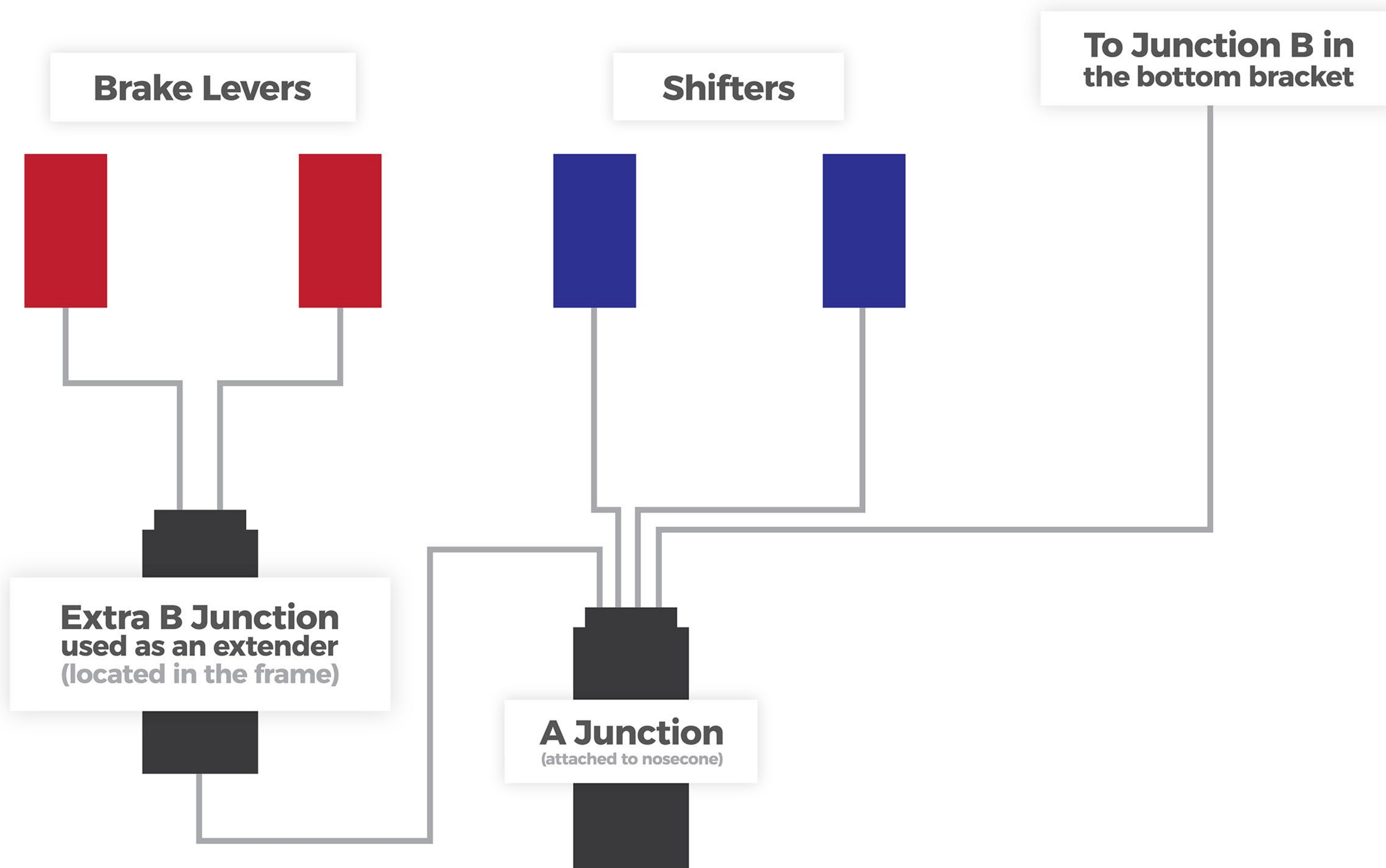


Step 6: Remove the CALpac from the frame. Refer to Steps 1-4 in the rear brake cable routing section of this manual.

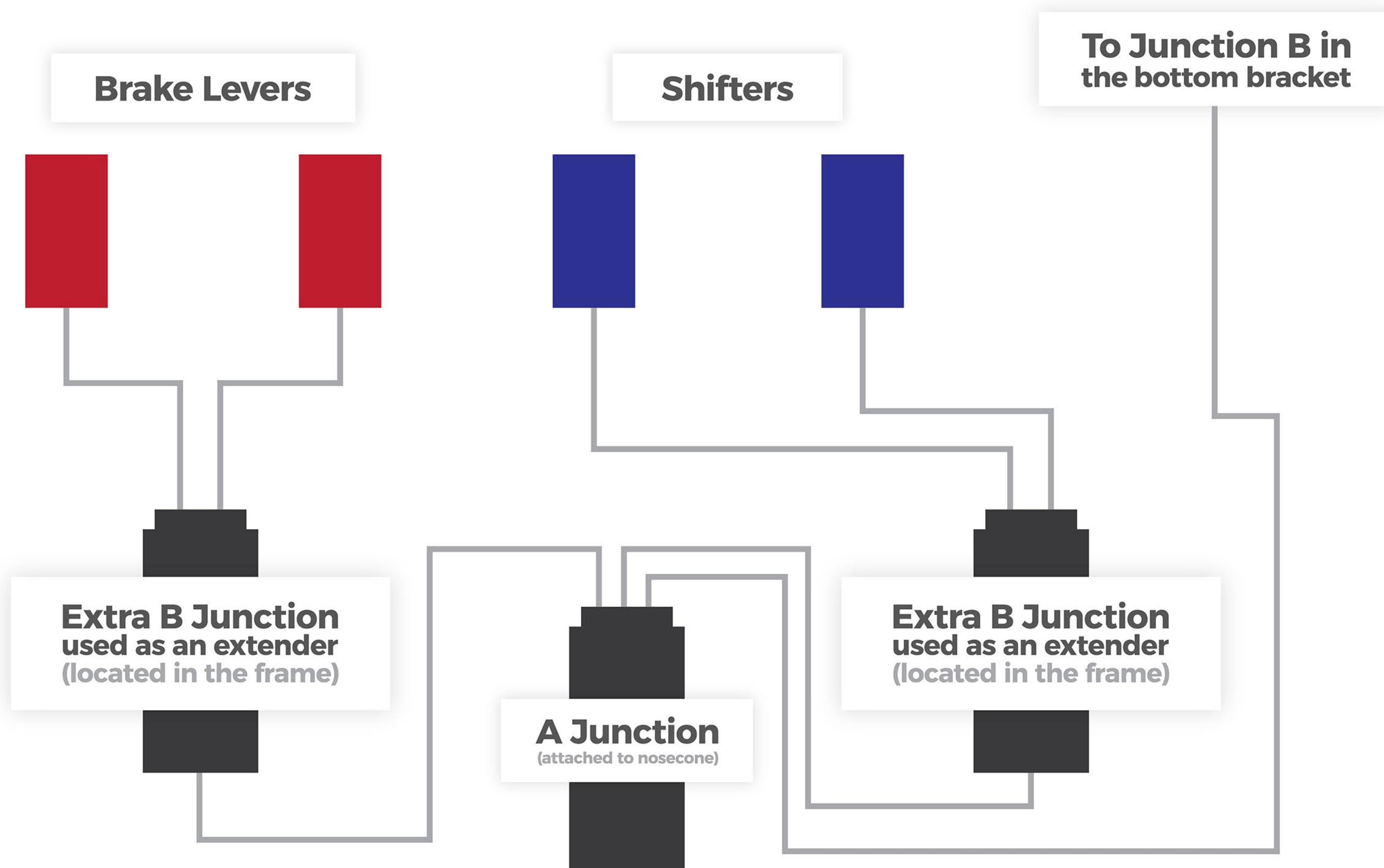
Standard Routing



Routing where more wire length is needed. Shimano “B” Junctions- JC42 and additional wires, are used as extenders.



Routing where more wire length is needed. Shimano “B” Junctions- JC42 and additional wires, are used as extenders.





Step 7: To re-install Di2 wires, start at the frame opening and guide the cables around the steerer tube right below the top surface of the headtube. If you are not using Junction B to extend your shifter wires, then guide the shifter wires on the left side on the steerer tube. Otherwise, either side is acceptable. Do the same for brake wires and the single wire going down to the B junction by the bottom bracket.



Step 8: Connect the wires to the A junction box and slide the junction box onto the nose cone with the wires pointing up.



Step 9: Insert into the frame and attach with (2) M3 screws.





Step 1: Loosen the (4) screws that attach the brake covers. Use either a T9 Torx wrench or a 2.0 Hex wrench depending on the type of screws that your bicycle has.



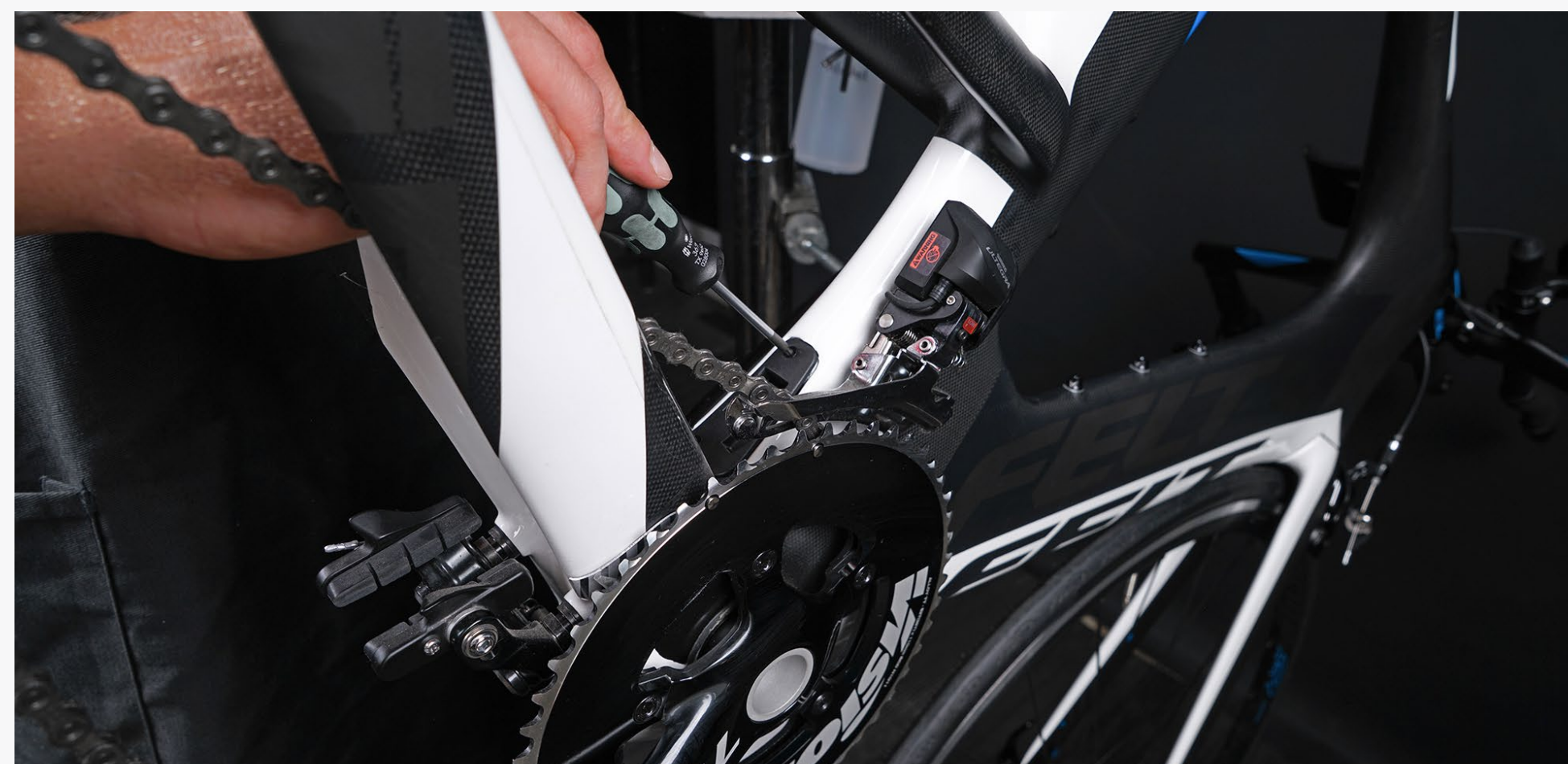
Step 2: The A junction is located under the upper brake cover.







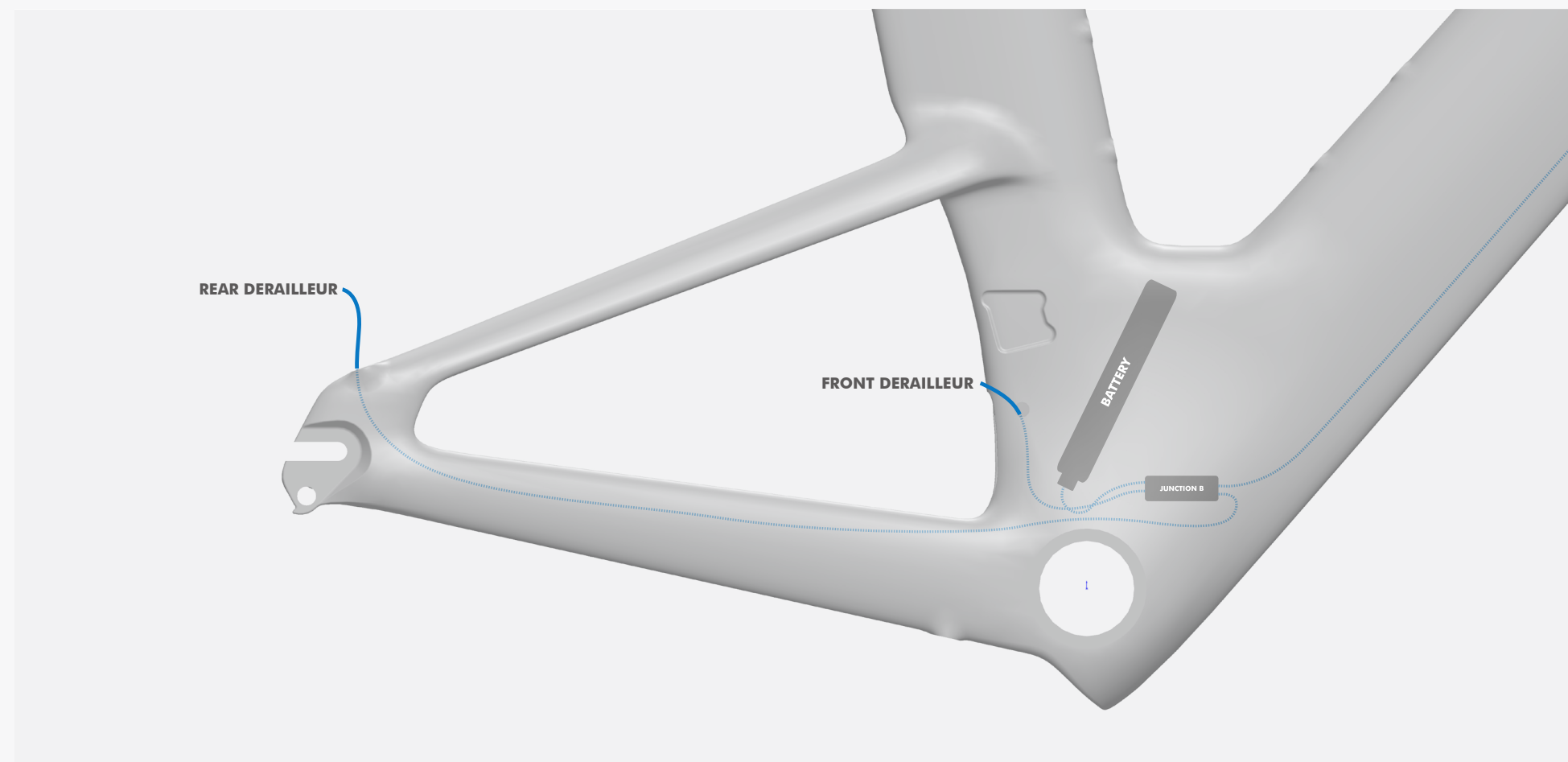
Step 1: Remove the rear wheel.



Step 2: Loosen and remove the (2) screws that attach the BatPac to the frame.



Step 3: Remove the Batpac by pulling it out while slightly rotating it counterclockwise. Take care to make sure that the connector attached to the battery clears the frame.



Step 4: The battery, front and rear derailleurs are connected to Junction B, which is also connected to Junction A located under the nose cone in the front of the frame.



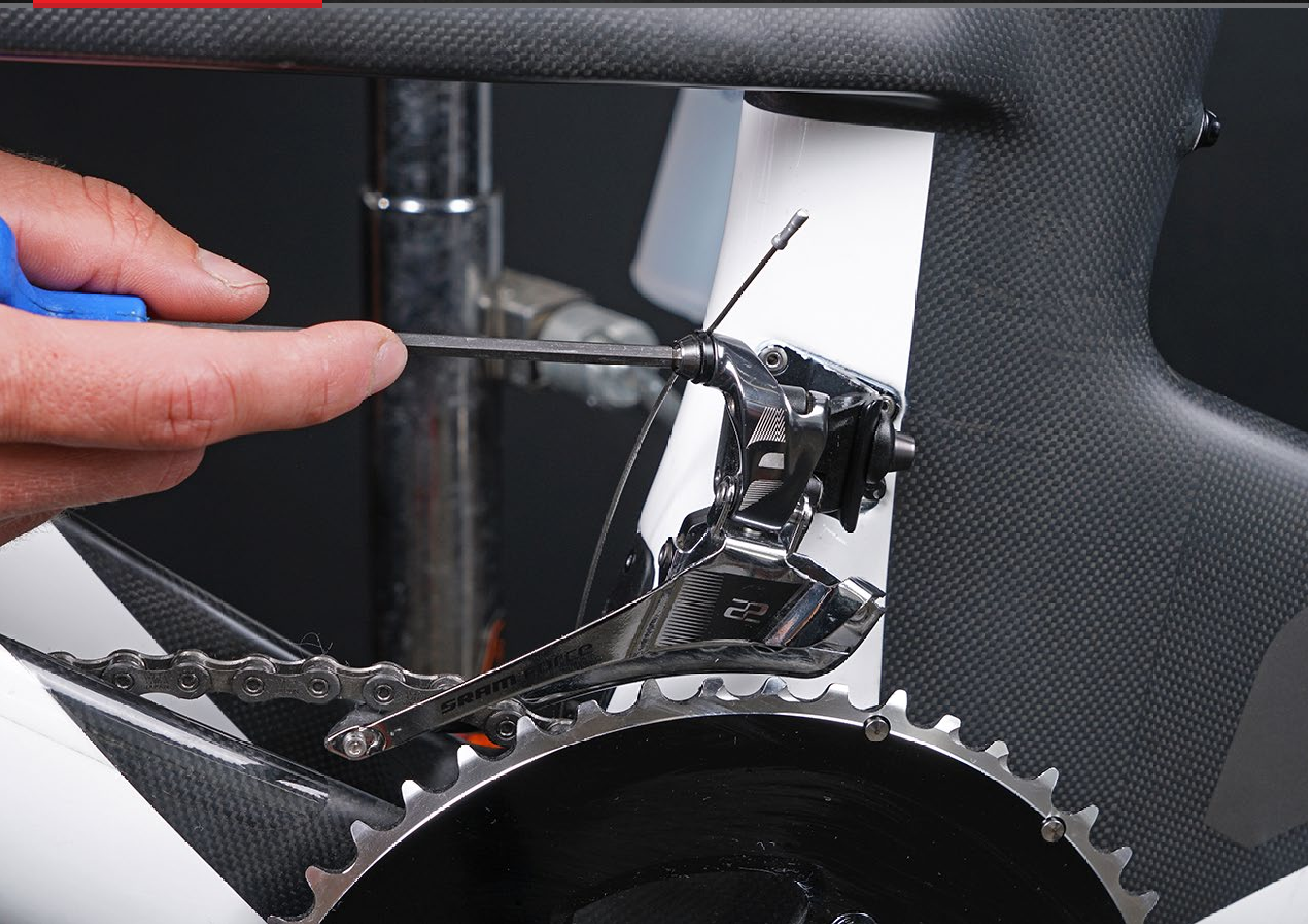
Step 5: After performing necessary service, reattach the battery to the BatPac by using (2) small cable ties. Trim excess.



Step 6: Insert into the BatPac with attached battery into the frame starting with the top of the battery.

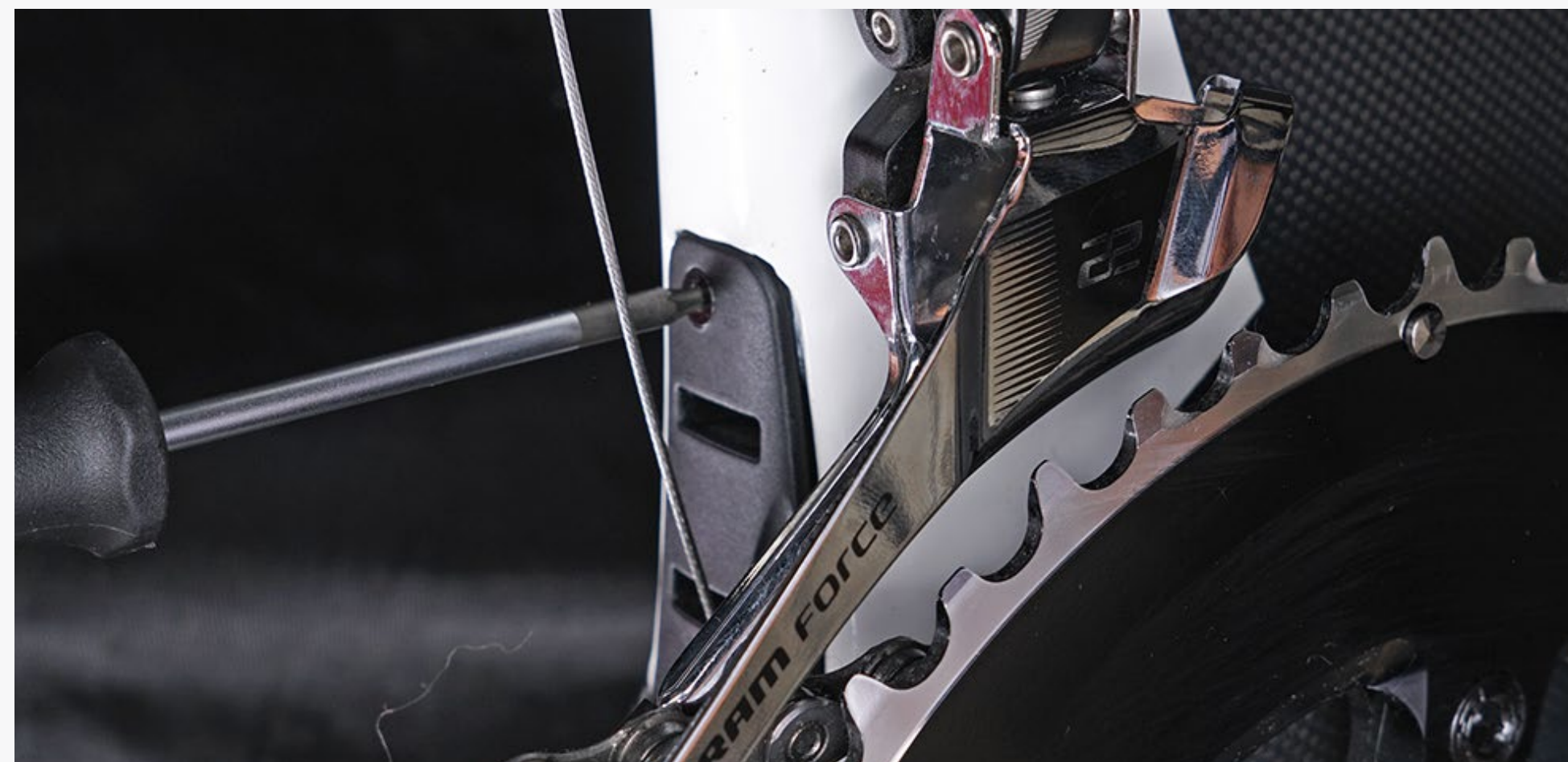


Step 7: Tighten the (2) M3 flathead screws to attach BatPac to the frame. Tighten to 2Nm.





Step 1: Loosen the front derailleur screw and remove the cable end.



Step 2: Using a T9 Torx wrench (or a 2mm Hex wrench if you have an older bike with hex bolts) unscrew the (2) bolts that attach the BatPac to the frame.

steps: 1-4
Pages: 6

Step 3: If you need to change the housing at this time then you will need to remove the CalPac to simplify installation. Please follow Steps 1-4 in the Rear Brake Service section of this manual.



Step 4: Route the new inner wire. Note that the BatPac has a cable stop built in. Make sure that the housing (with housing end) is located in that cable stop before reinstalling the BatPac.



Step 5: Carefully reinstall the BatPac while pulling up on the inner wire. Make sure that the housing end remains inside the cable stop.



Step 6: Tighten the (2) M3 screws to attach the BatPac to the frame.

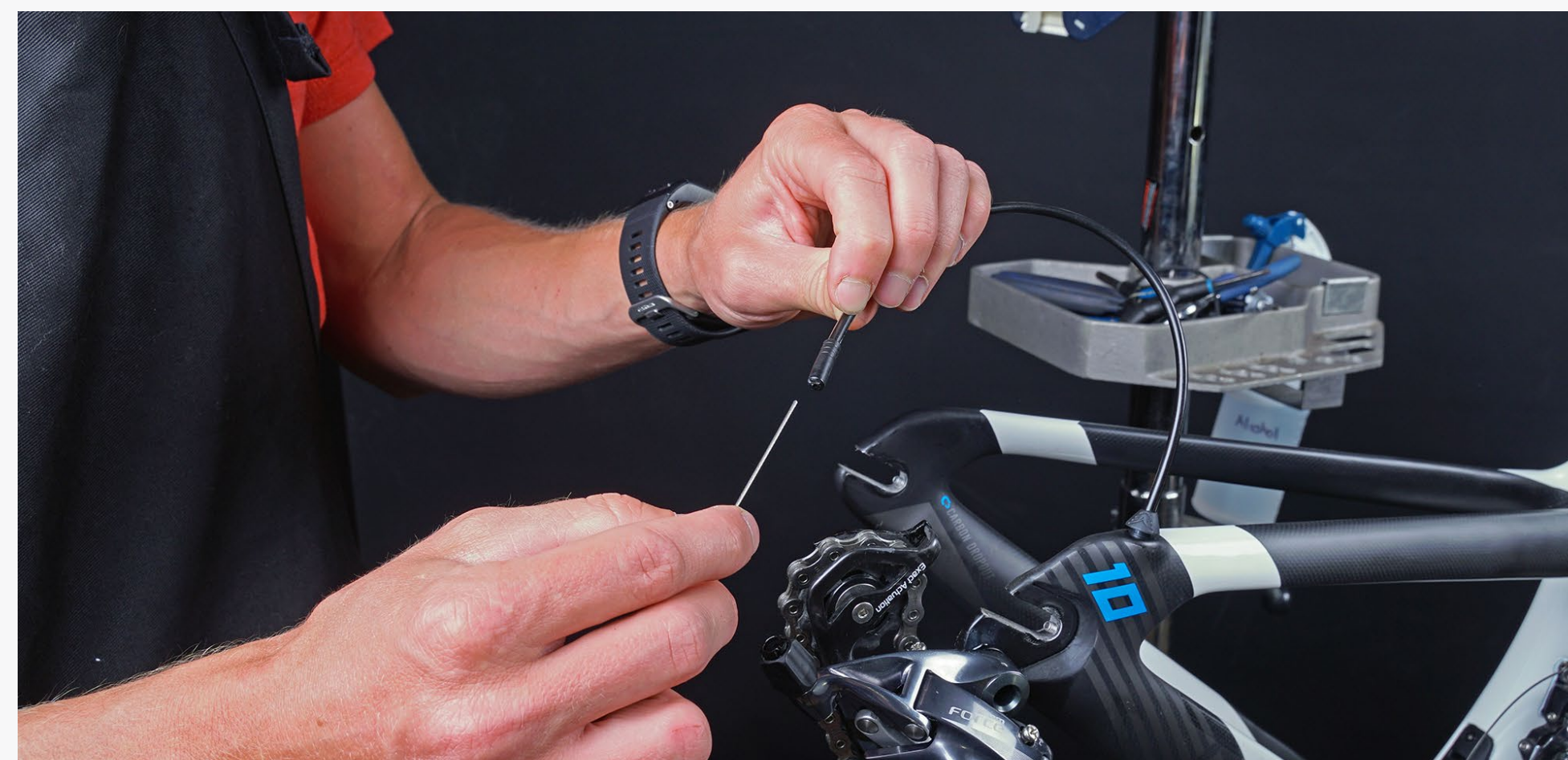


Step 7: Properly install the inner wire in the derailleur in accordance with your derailleur specifications.



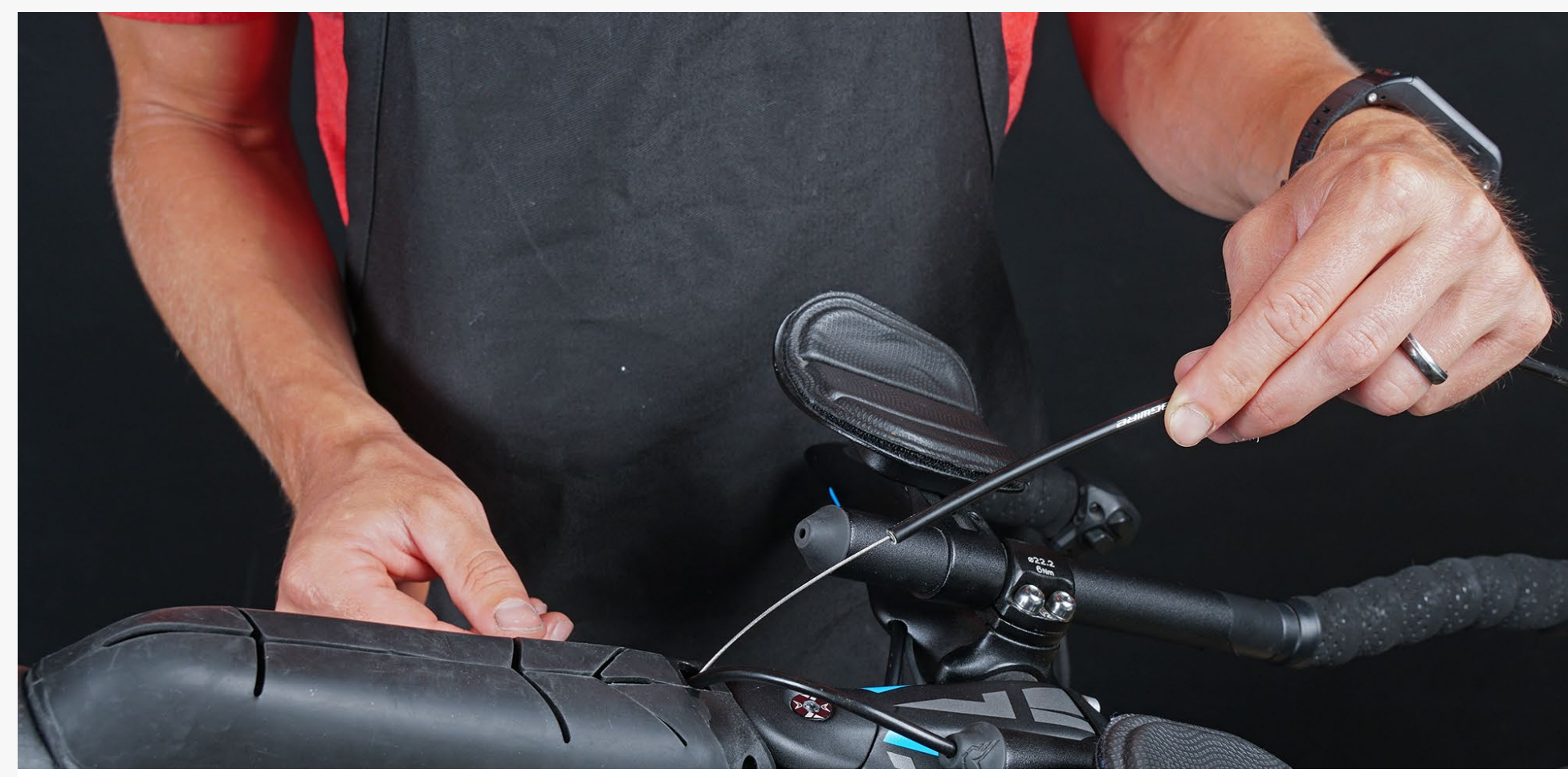


Step 1: Loosen the rear derailleur cable screw and remove the inner wire.

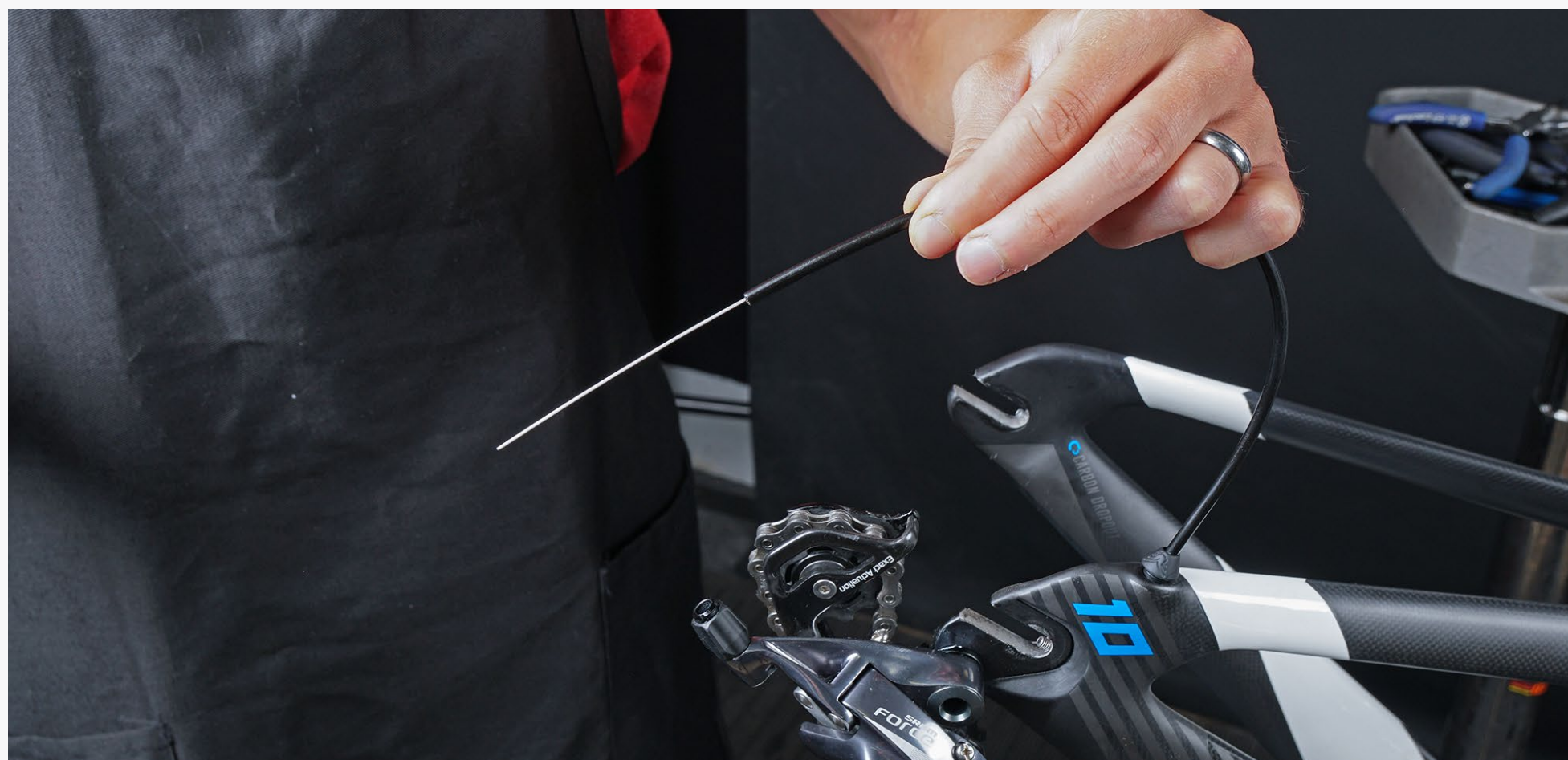


Step 2: To change the cable housing please follow the steps below.

Step A: Insert a spare derailleur cable into the derailleur cable housing from the derailleur side.



Step B: Pull out the cable housing while leaving the cable inside the frame.
Use the cable in the frame as a guide to insert new housing.



Step C: Route the new derailleur cable through the new cable housing. Install in accordance to the instructions for your rear derailleur.



