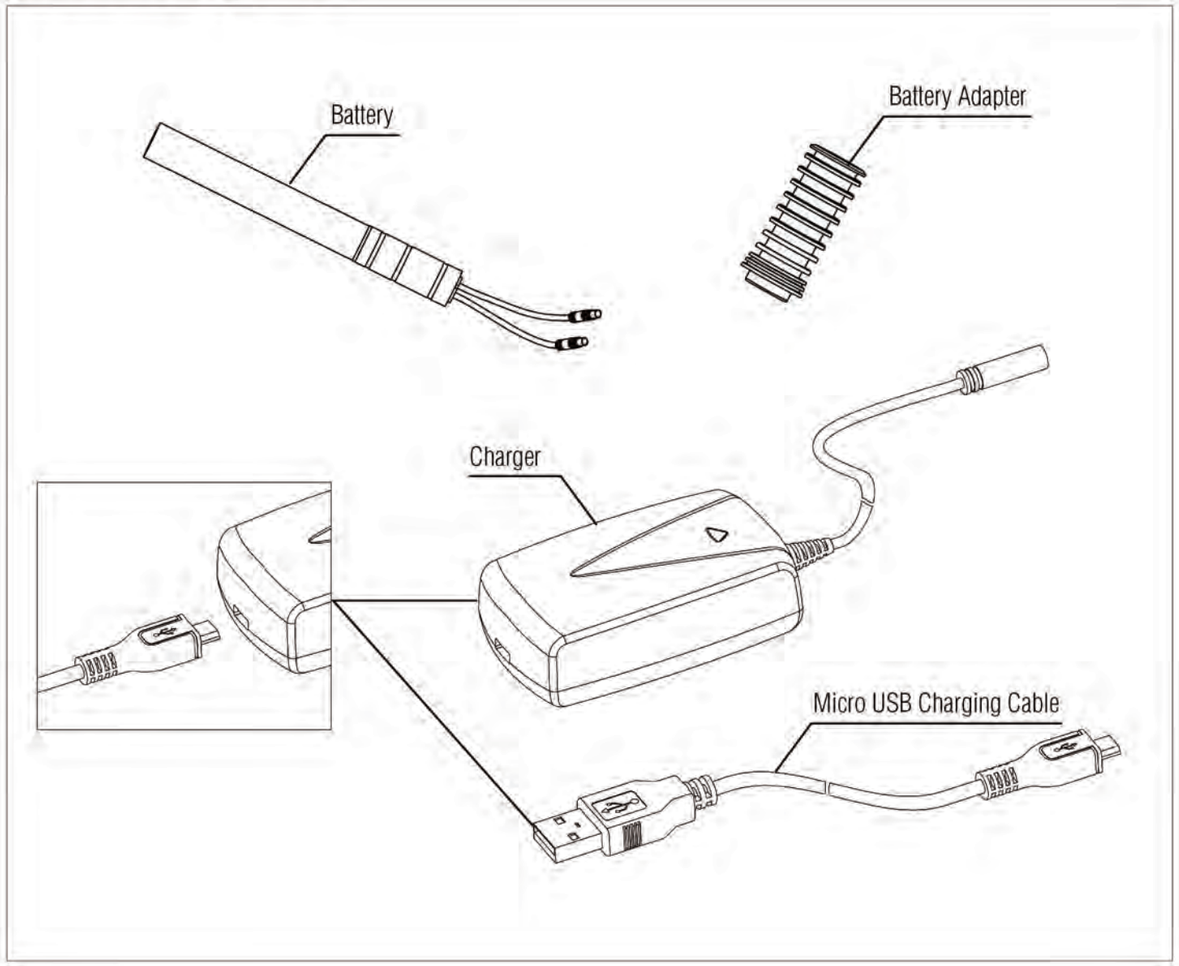
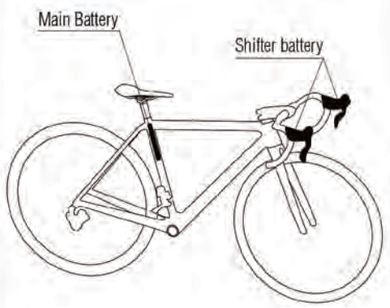
Battery

Names of parts

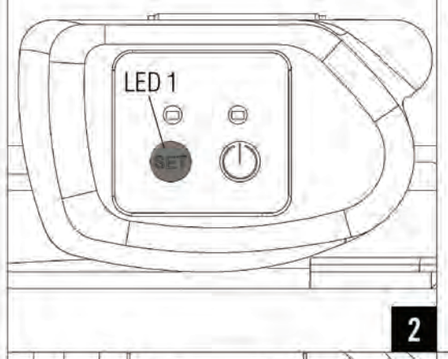


Battery Diagnostic



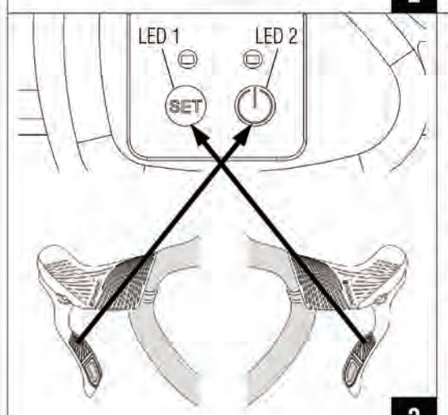
1

WE uses three batteries. The main battery powers the front and rear derailleurs.
Each shifter is powered by a CR2032 coin cell battery.



2

Main battery
When WE is on, the LED 1 on the main control unit will blink every 3 seconds (customizable by We Dashboard App).
Main battery level is indicated by the following LED color codes.



3

Shifter battery
The shift batteries are CR2032 coin cell batteries and are not rechargeable. When the battery level is low, they must be replaced. It is not necessary to replace both batteries at the same time if they are not both showing a low charge.

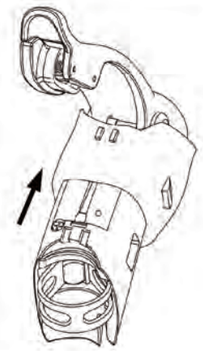
Each time a shift button is pressed a corresponding LED will blink on the main controller.
LED 1 blinks for the right shifter, LED 2 blinks for the left shifter.
The color of the LED will be related to the level of the battery.

TIPS

LED Color	Battery Level	Action
🔵	77-100%	Battery level is high, no action necessary.
🟢	23-77%	Battery level is OK.
🟡	0-23%	Replace battery as soon as possible.
🔴	0%	Replace battery immediately. The Shifter will stop to work.

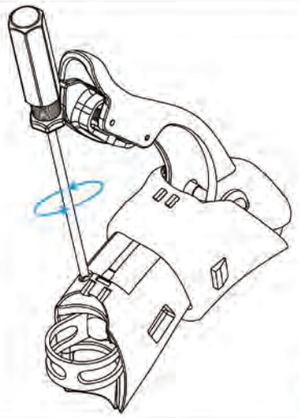
Battery replacement

Shifter battery replacement



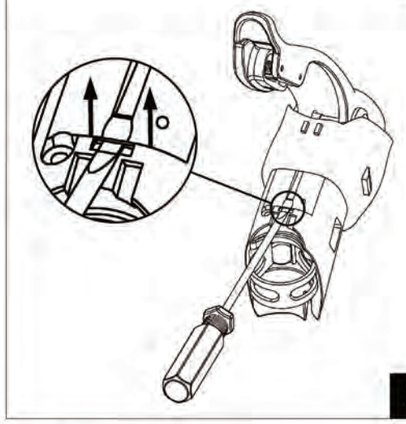
1

Fold the back of brake hood forward and the battery cover will be exposed.



2

Use Philips screwdriver to loose the battery cover.



3

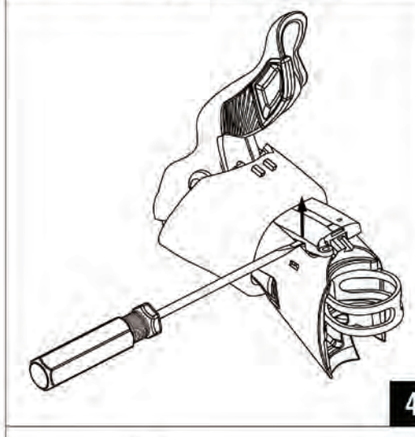
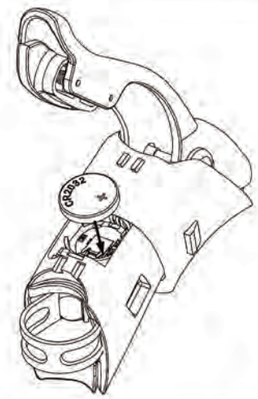
Use flat blade screwdriver to leverage and remove the battery cover.

TIPS

Battery LED signal please check 7-2.

Battery replacement

Shifter battery replacement

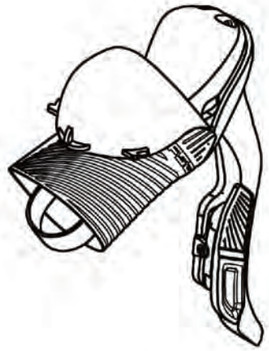
 4	Once the battery cap is partially open, use the flatblade screwdriver to get under the cap and fully remove the cap from the shifter.	
 5	Remove the battery and replace.	

TIPS

Battery LED signal please check 7-2.

Battery replacement

Shifter battery replacement - Disc Brake

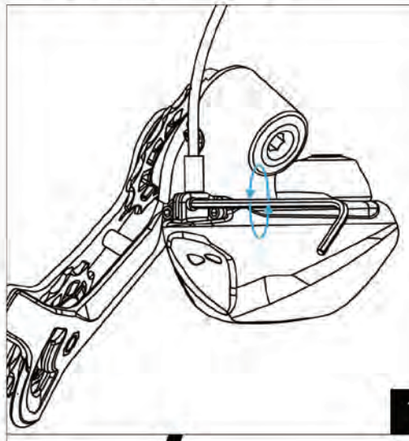
 1	Roll the shifter hood backward to expose the transmitter cover.	
2	Use the 1.5mm hex key to remove the transmitter cover.	
3	Remove the battery and replace.	

TIPS

Battery LED signal please check 7-2.

How to Charge

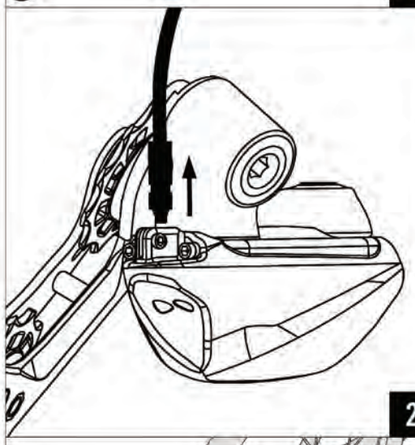
Main battery charging



1

Use 1.5mm hex wrench to unscrew the rear derailleur wire clamp.

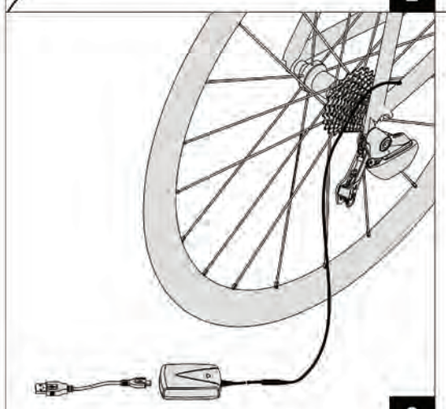
1.5 mm



2

Unplug the wire from the rear derailleur.

Note: Grab the plastic end of the wire.
Do NOT pull on the rubber coated wire only.



3

Plug the wire in to the WE charger, then plug the charger in to outlet.

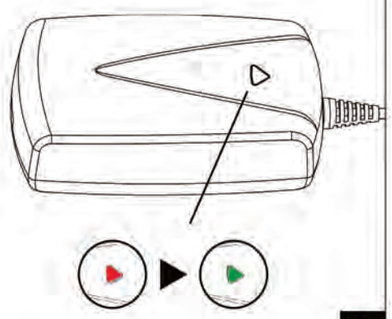
TIPS

1. Turn WE off before charging the battery.

2. Battery LED signal please check 7-2.

How to Charge

Main battery charging



4

The charger light will be red while charging and turn to green at full charge.

TIPS

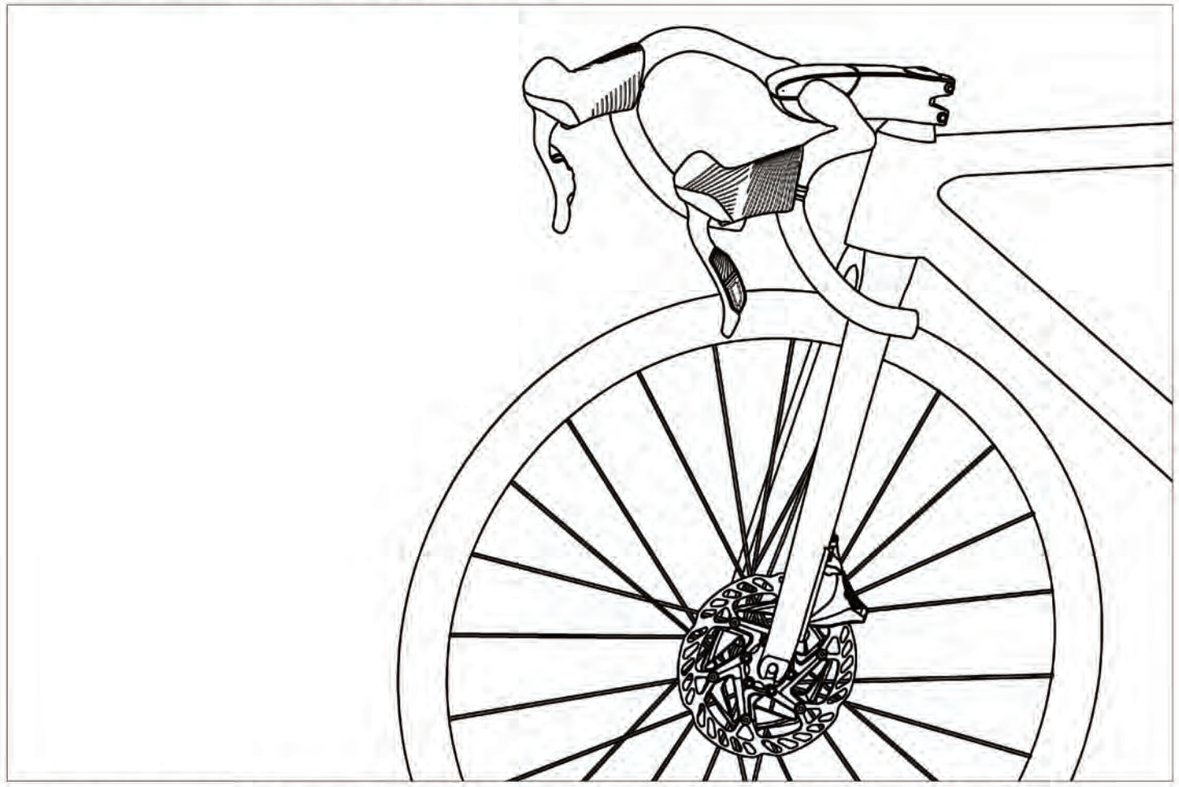
1. Turn WE off before charging the battery.

2. Battery LED signal please check 7-2.

Disc Brake Installation

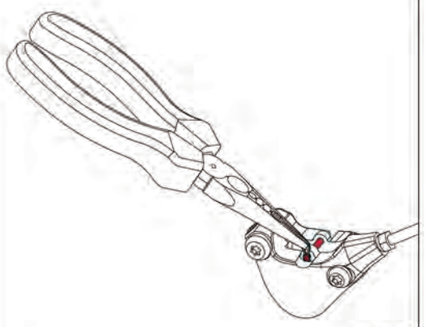
Disc Brake Installation

FSA's WE Road Disc Brake bleed procedure uses a 2-syringe "push-pull" process with FSA mineral oil.
The key to a good bleed is taking your time; repeat steps as needed to ensure all air is removed.
Keep the brakes pads and rotors clean and away from any oils.



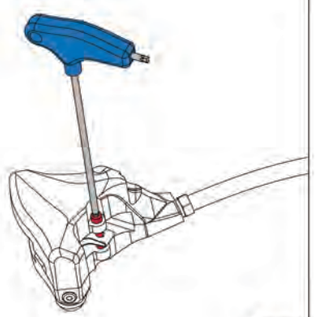
To start, have the brake installed on a bike or on a bleed fixture, see installation instructions.

Disc Brake Installation



1

Remove brake system from packaging.
Locate caliper pad pin and retention clip.Remove retention clip.



2

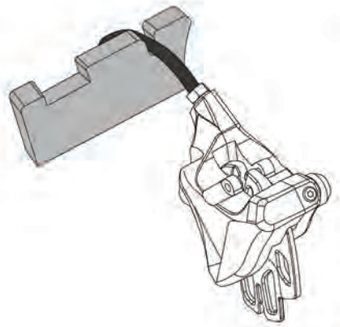
Using T10 wrench, remove pad retention pin.

T10

3

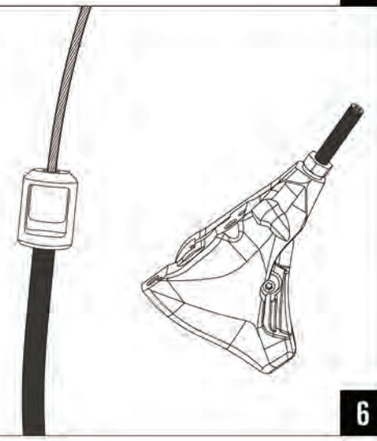
4

Install provided FSA bleed block between caliper pistons.



5

Cut brake hose at caliper end.
Leaving 25mm or 1" of exposed hose from the top of the compression nut.

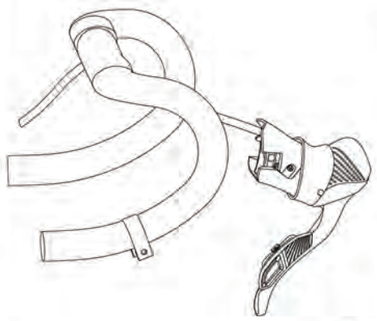


6

Install provided hose caps (2) on lever side of hose ends.

Disc Brake Installation

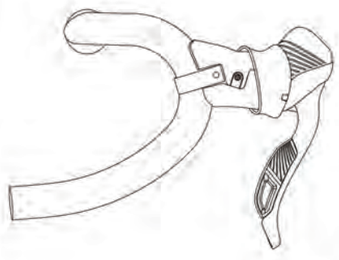
Disc Brake Installation



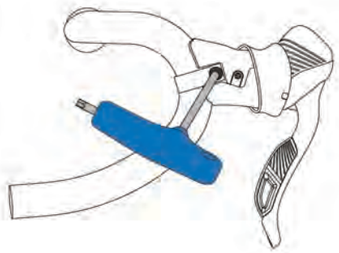
7

Mount lever and clamp to handlebar using T25 wrench to 6Nm.

T25

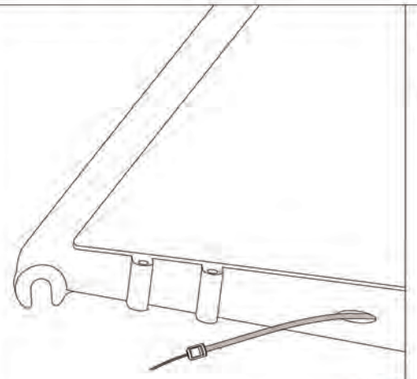


8



9

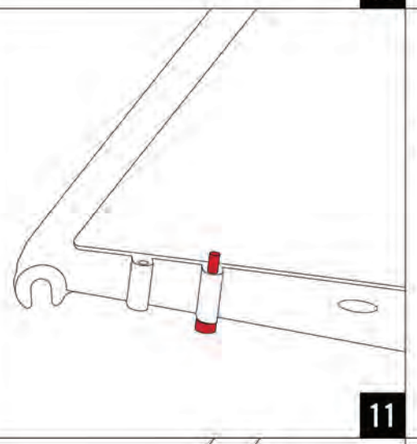
Disc Brake Installation



10

Route brake hose to caliper location.

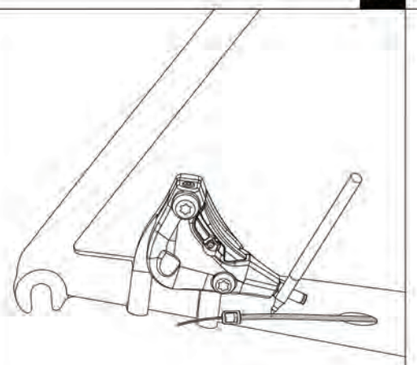
Note: this may include internal handlebar and frame routing.



11

Mount caliper to disc brake frame or fork location.

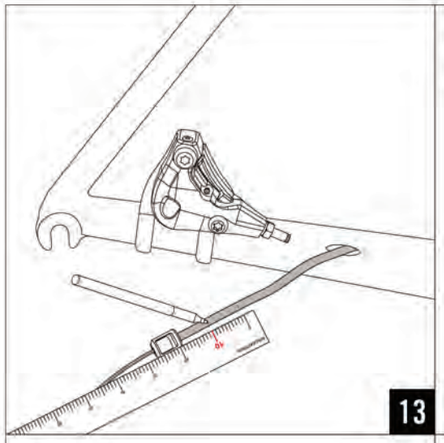
Note: caliper mount bolts should protrude through mount 7-9mm.



12

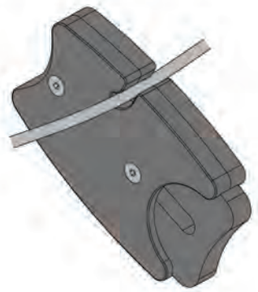
Make a line at the end of the caliper.

Disc Brake Installation



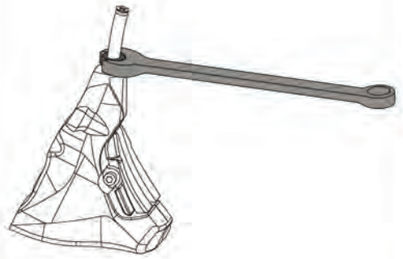
13

Measure 10mm down the line towards end of hose and make a second mark.



14

Using hose cutting tool make a cut at the second mark.



15

Remove caliper from the frame or fork .
With the caliper hose point up use an 8mm wrench to remove compression nut and hose.

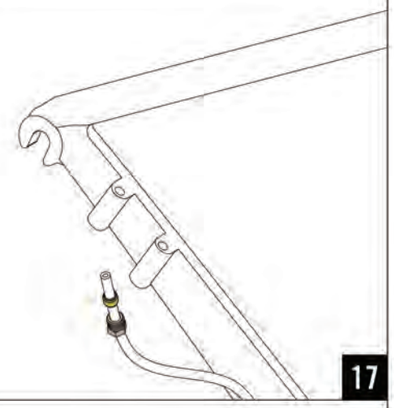
Note: careful to not spill brake fluid.

8mm

Disc Brake Installation

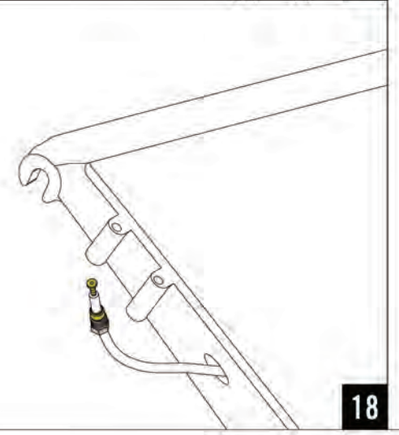
16

Remove hose cap and compression nut from hose.
Store caliper in vertical position.



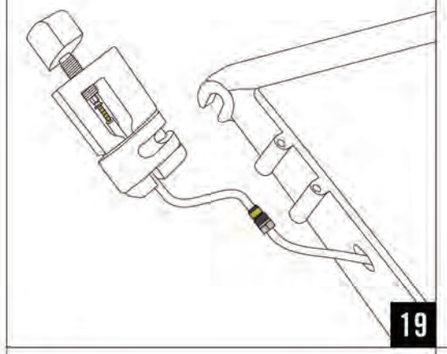
17

Install compression nut and bushing on to hose.

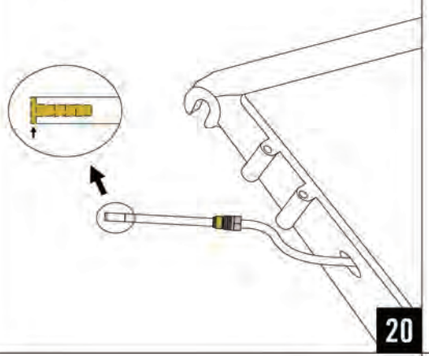


18

Disc Brake Installation



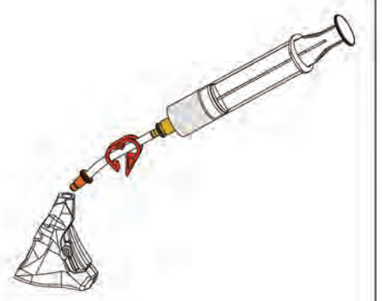
Install hose barb into hose end using barb insert tool.



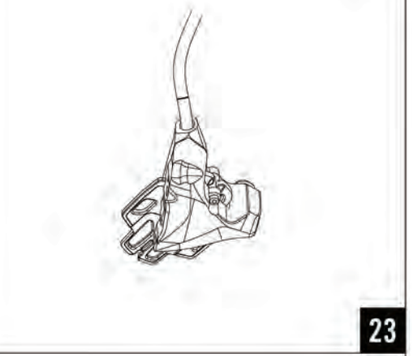
Confirm hose barb end is flush with hose end.

Assemble and setup bleed kit syringes using provided instructions.

Disc Brake Installation

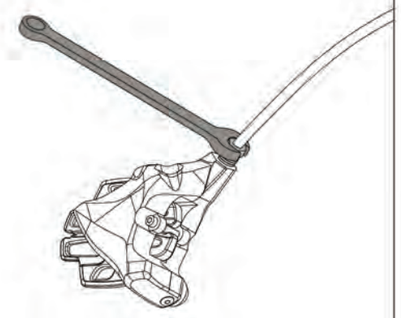


Add a few drops of FSA mineral oil into the caliper hose connection.
Confirm fluid level is up to bottom of thread.



Insert hose with barb, compression bushing, and nut.
Confirm hose is fully seated in the caliper.

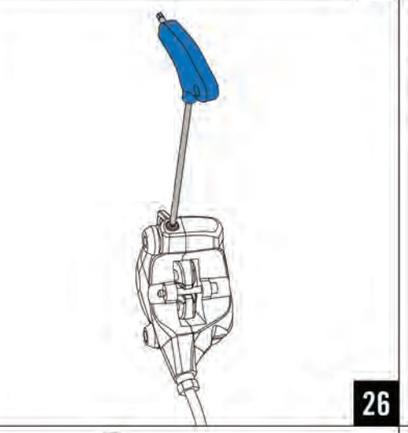
Disc Brake Installation



25

While holding hose in place;
Tighten compression nut with 8mm wrench to 9N.m.

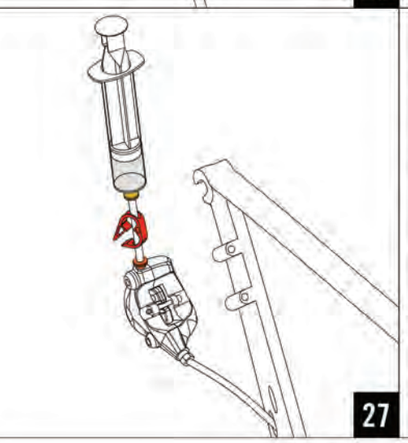
8mm



26

Confirm caliper bleed plug is vertical, Using T10 wrench remove bleed plug from caliper and install syringe.
Firmly tighten syringe fitting.

T10



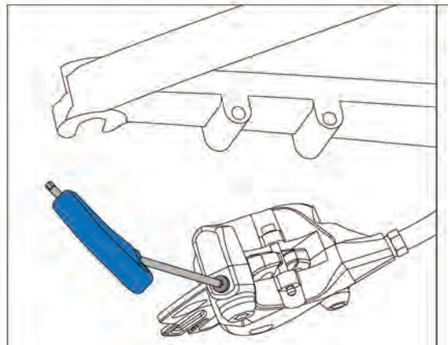
27

Position the caliper and syringe so they are above hose connection with the bleed port at the highest point.

Finish with light push on plunger and close red clip on syringe hose.
Keeping bleed port vertical and at highest position remove syringe.
Confirm fluid is visible in bleed port.

Lightly pull on syringe plunger to remove air from connection.
Push fluid into caliper with plunger.
Note: Repeat this process until you no longer remove air.

Disc Brake Installation



28

Install bleed plug and o-ring. Tighten to 2N.m.

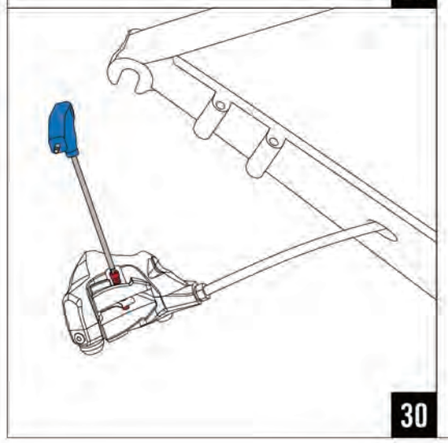
T10

29

Squeeze lever blade several times ensuring that has firm feel and does not have excess travel.
Clean caliper with isopropyl alcohol and rag.
Install brake pads and pad spring using T10 wrench.

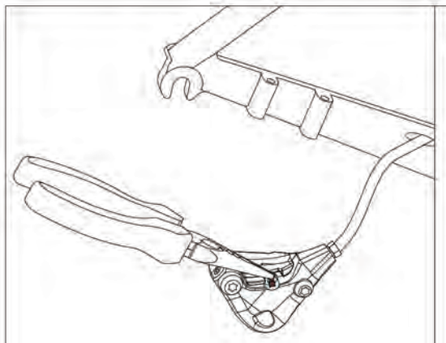
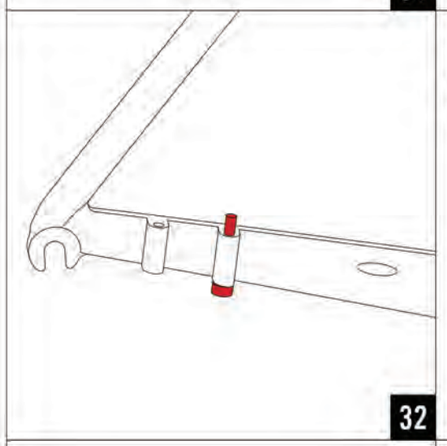
Note: brakes are left and right specific.

T10



30

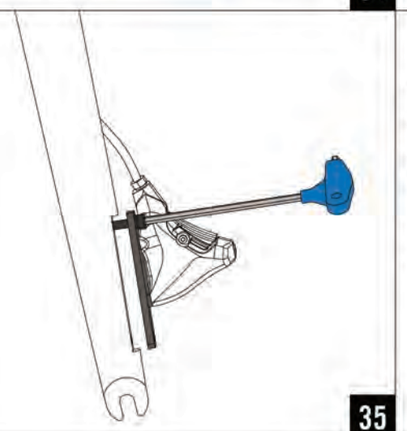
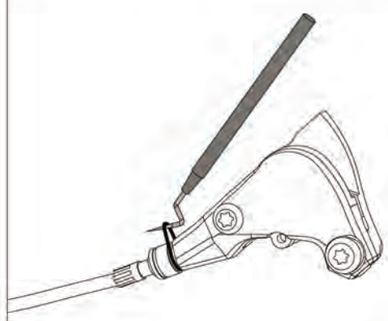
Disc Brake Installation

 31	Install pad pin retention clip.	
 32	Mount caliper to disc brake frame or fork location Note: caliper mount bolts should protrude through mount 7-9mm Do not fully tighten caliper mount bolts at this time.	
33	Install wheel and rotor into frame or fork. until space between pads and rotor is even on either side. Tighter caliper mount bolts to 6N.m.	

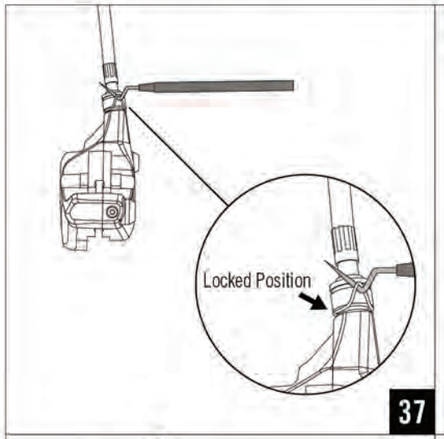
TIPS

Repeat steps 1-32 for both calipers.

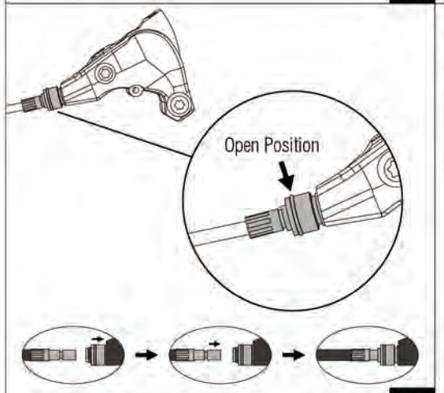
Disc Brake Installation

34	Install caliper on to mount bracket using caliper mount bracket bolts. Tight to 6Nm. Note: caliper can only be installed in one direction. Note: when using 160mm front mount bracket install upper mount bolt below installing caliper.	4 mm
 35	Install caliper mount bracket and caliper using universal mount bolts (size). Squeeze lever and tighten mount bolts. Slowly rotate wheel and confirm brake pads are not rubbing on the rotor. If pads are rubbing on rotor. Stop wheel from rotating and make small adjustment to the caliper. Tighten bracket mount bolts to 6N.m.	4 mm
 36	Quick connect fitting: Garter spring Use a small pick to lightly pull up on the Gater spring.	

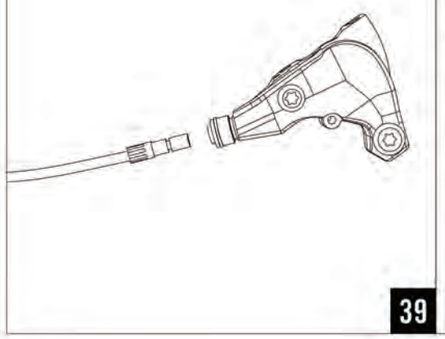
Disc Brake Installation



Move Garter spring from locked position to open position.



Move Garter spring to locked position after re-installing the hose end.



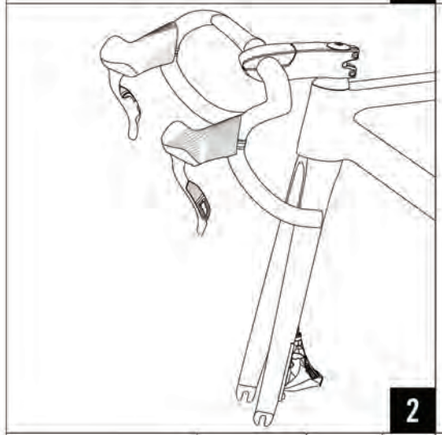
Remove hose end from Quick connect fitting.

Install wheel and rotor into frame or fork.
until space between pads and rotor is even on either side.
Tighter caliper mount bolts to 6Nm.

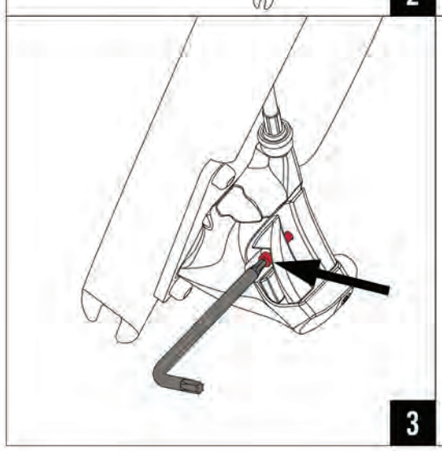
Disc Brake Bleed Process

Fill the syringes with 10-15 mL of FSA brake fluid.

Lock the syringes hoses by closing the red clips and set them aside.



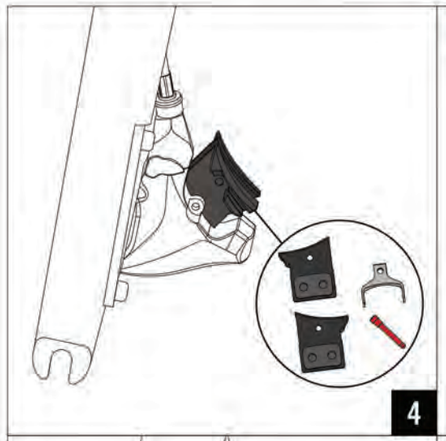
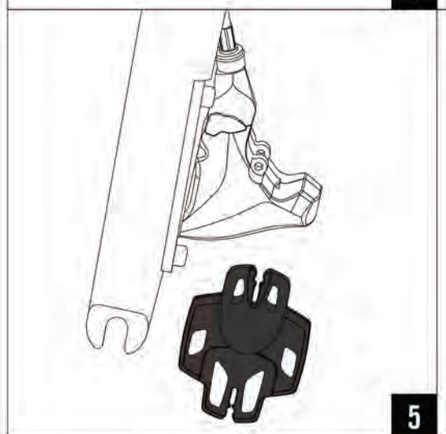
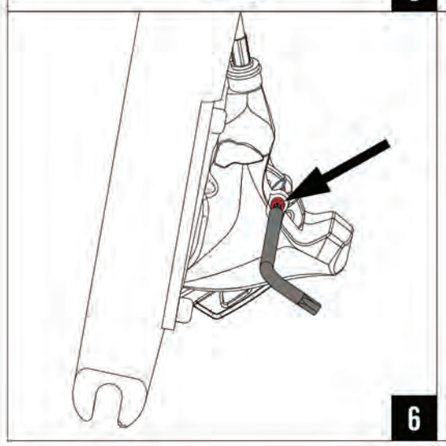
Remove the wheel(s).



Using T10 Torx wrench, remove the pad retaining pin.

T10

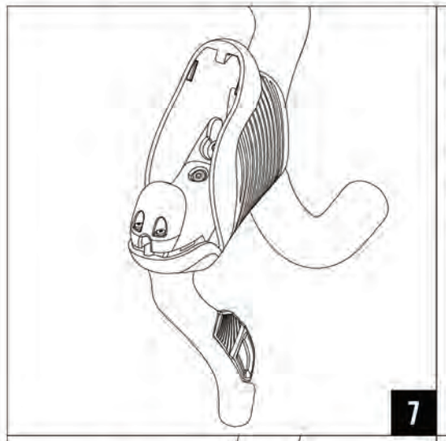
Disc Brake Bleed Process

 4	Remove the pads and pad spring.	
 5	Insert the FSA Bleed Spacer.	
 6	Using T10 Torx wrench, insert the pad retaining pin.	T10

TIPS

Place pads in a clean and oil-free location.

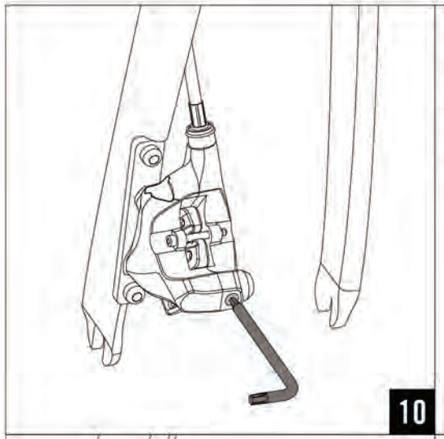
Disc Brake Bleed Process

 7	At the lever, gently roll back the top of rubber hood until the bleed port screw is exposed. The final step to prepare the brake for bleeding is to position the lever so that the bleed screw is at the highest point in the system and level to the ground.	
8	Remove the bleed screw in the lever.	T10
9	Install one syringe by threading it into the bleed hole.	

TIPS

Place screws in a safe location.

Disc Brake Bleed Process

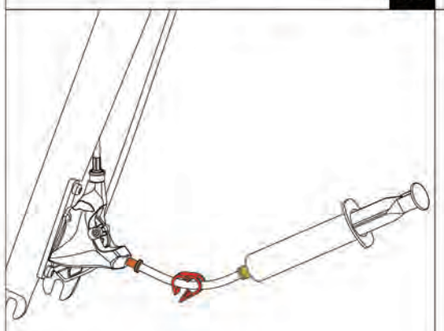


10

Next remove the bleed screw in the caliper and install the second syringe by threading it into the bleed port.

Ensure that they are tight to prevent air from entering the bleed process.

T10



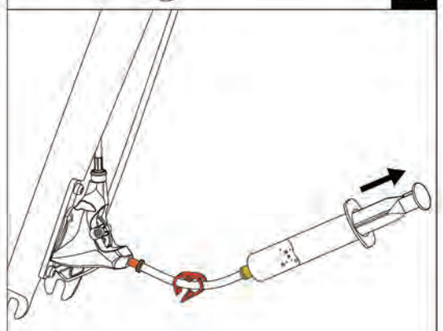
11

Now you are ready to bleed the brake.

Disc Brake Bleed Process

12

Unlock Red clips on hoses and cycle fluid between two syringes 10 to 20 times. Push gently on one syringe, while pulling gently on the other to help evacuate air.

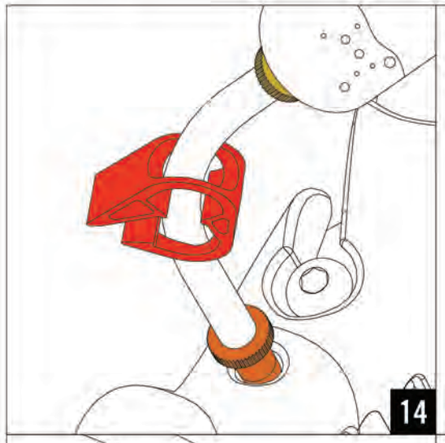


13

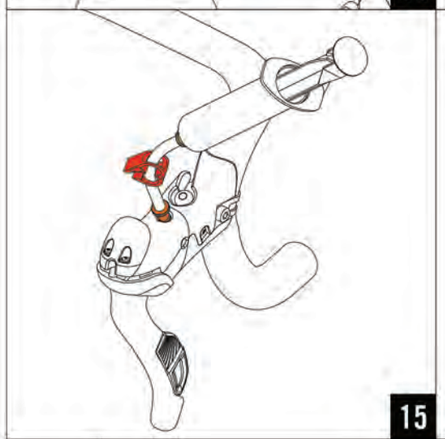
TIPS

Be cautious not to run out of fluid in either syringe to prevent forcing air into the brake.

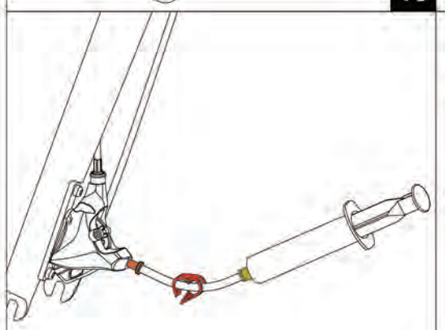
Disc Brake Bleed Process



Ensure that all air in the system is forced out and into the syringes and the pistons are advanced against the bleed spacer.



Lock Red clip only at the lever syringe.

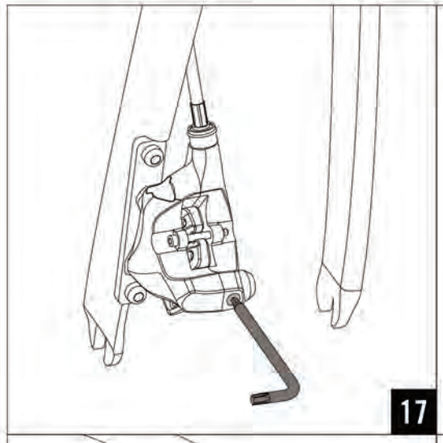


Pull slightly on caliper syringe plunger to evacuate any remaining air bubbles.

TIPS

Apply light suction or "bump" on the syringe to evacuate any remaining air.

Disc Brake Bleed Process



Lock Red clip at the caliper syringe and remove from caliper.

Replace caliper bleed screw.

T10

Unlock red clip at the lever syringe and gently pull back and then push on the plunger to evacuate any remaining air.

Disc Brake Bleed Process

Push syringe plunger to pressurize system.

Lock red clip and remove syringe from lever.

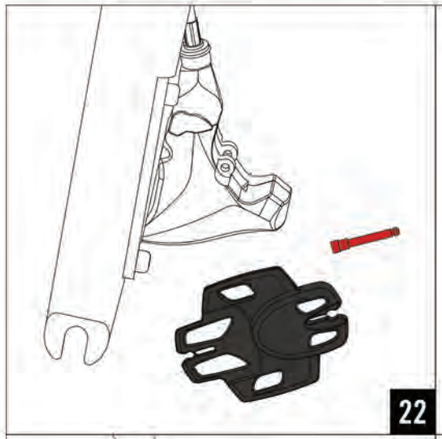
Replace the lever bleed screw.

T10

TIPS

Leave the bleed port open, allow the system to equalize to the ambient pressure.

Disc Brake Bleed Process

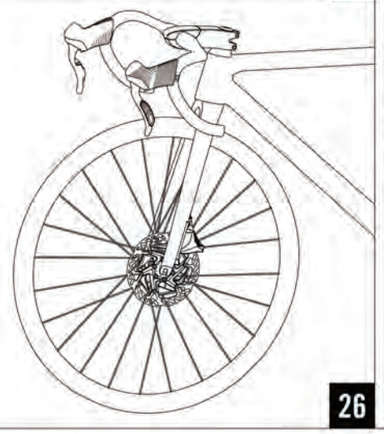


Remove the pad pin and FSA Bleed Spacer.

With brake system now sealed, remove all oil by cleaning entire system with Isopropyl alcohol and a clean rag, including the interior of the caliper piston faces.

At the lever, clean under and around the rubber hood before rolling it back into place.

Disc Brake Bleed Process

25	Replace brake pads, pad retaining pin and spring clip.	
 26	Reinstall the wheel. (according to the manufactures specifications). Before riding the bike, squeeze the lever firmly several times to reset the brake pads. Adjust calipers as needed to prevent pads rubbing on the rotor, see setup instructions.	

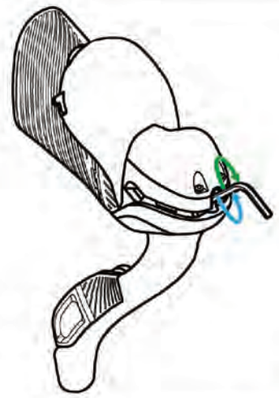
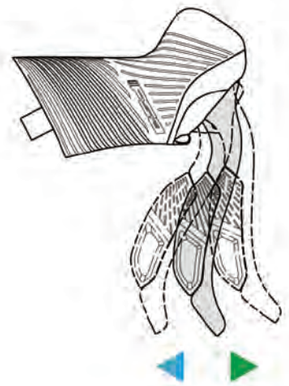
TIPS

1.Remove gloves and/or clean hands before touching brake pads.

2.Recycle used oil according to local regulations and clean syringes before storing them.

Disc Brake Bleed Process

Reach Adjustment - Disc Brake

1	Expose the reach adjustment screw by pulling back the hood.	
 2	Adjust reach by loosening or tightening the screw with a 2.5mm hex wrench.	2.5 mm
 3	Increase the reach by turning the screw counter-clockwise. Decrease the reach by turning the screw clockwise.	

LED Indications

System Status

Function	Current Status	Instruction	LED
Power On	Off	Press power button for 0.5 second	
Sleep	Normal Mode	Left still for 1 minute	
Wakeup	Sleeping	Motion detected	
Power Off	Normal Mode	Press power button for 3 seconds	

Battery Status

Function	Current Status	Instruction	LED
Battery Status - High	Normal Mode	LED flashes every 3 seconds	
Battery Status - Medium	Normal Mode	LED flashes every 3 seconds	
Battery Status - Low	Normal Mode	LED flashes every 3 seconds	

Reminders

Function	Current Status	Instruction	LED
Reminder to charge	Powered on or waken up	Power button pressed or motioned detected	
Auto-power off	Powered on or waken up	Power button pressed or motioned detected	
Reminder to change shifter battery	Normal Mode	Press any button on the left shifter	
Reminder to change shifter battery	Normal Mode	Press any button on the right shifter	

Set Mode

Function	Current Status	Instruction	LED
Enter SET Mode	Normal Mode	Press SET button for 2 seconds	
Exit SET Mode	SET Mode	Press SET button for 2 seconds	
RD Adjustment	SET Mode	Press any button on right shifter	
FD Adjustment	SET Mode	Press any button on left shifter	

Pairing Mode

Function	Current Status	Instruction	LED	Note
FD/RD pairing	Powered On	FD and RD are powered on when 10cm away from each other		FD buttons flash double blue 1 second, FD buttons flash double blue 0.5 second when successfully paired
SF/RD pairing	Powered On	Within 10 seconds, press SF PCB button and top button. Keep SF and RD within 10cm away from each other.		When successfully paired, SF PCB LED stops flashing
FD/RD Unpairing	Normal Mode	Press both power and SET buttons on FD for 2 seconds		When unpaired, power and SET buttons flash cyan color
SF/RD Unpairing	Any Mode	Press SF PCB button and lower button		When unpaired, SF PCB LED should flash for every press on SF button

Errors

Function	Current Status	Instruction	LED
FD/RD Error	Normal or SET mode	Connection between FD and RD is broken	
FD Stall	Normal or SET mode	FD stops moving and goes back to the previous command	
RD Stall	Normal or SET mode	RD stops moving	

Function	Current Status	LED	Note
Power button error	Any Mode		Alternating LED flashes on power button
SET button error	Any Mode		Alternating LED flashes on SET button
Power and SET buttons error	Any Mode		Alternating LED flashes on both powerand SET buttons

BLE Mode

Function	Current Status	Instruction	LED
FD/RD are in BLE Mode	Set Mode	Press power button for 2 seconds	
SF in BLE Mode	SF unpaired	Press SF lower button for 6 seconds	