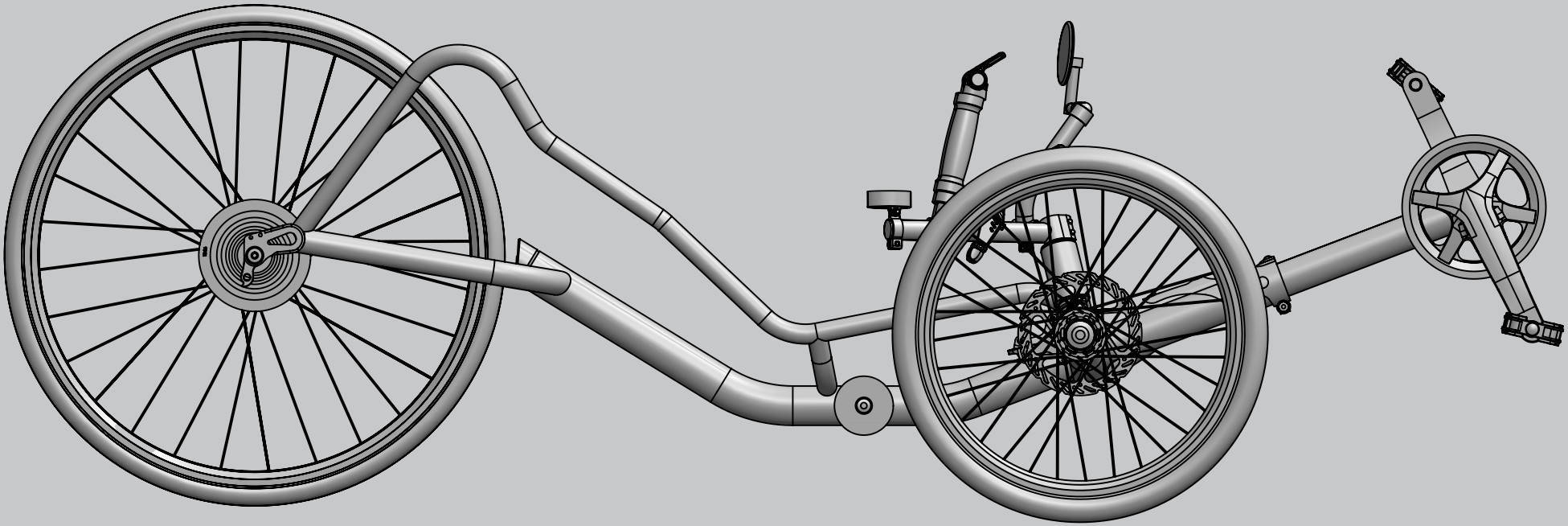
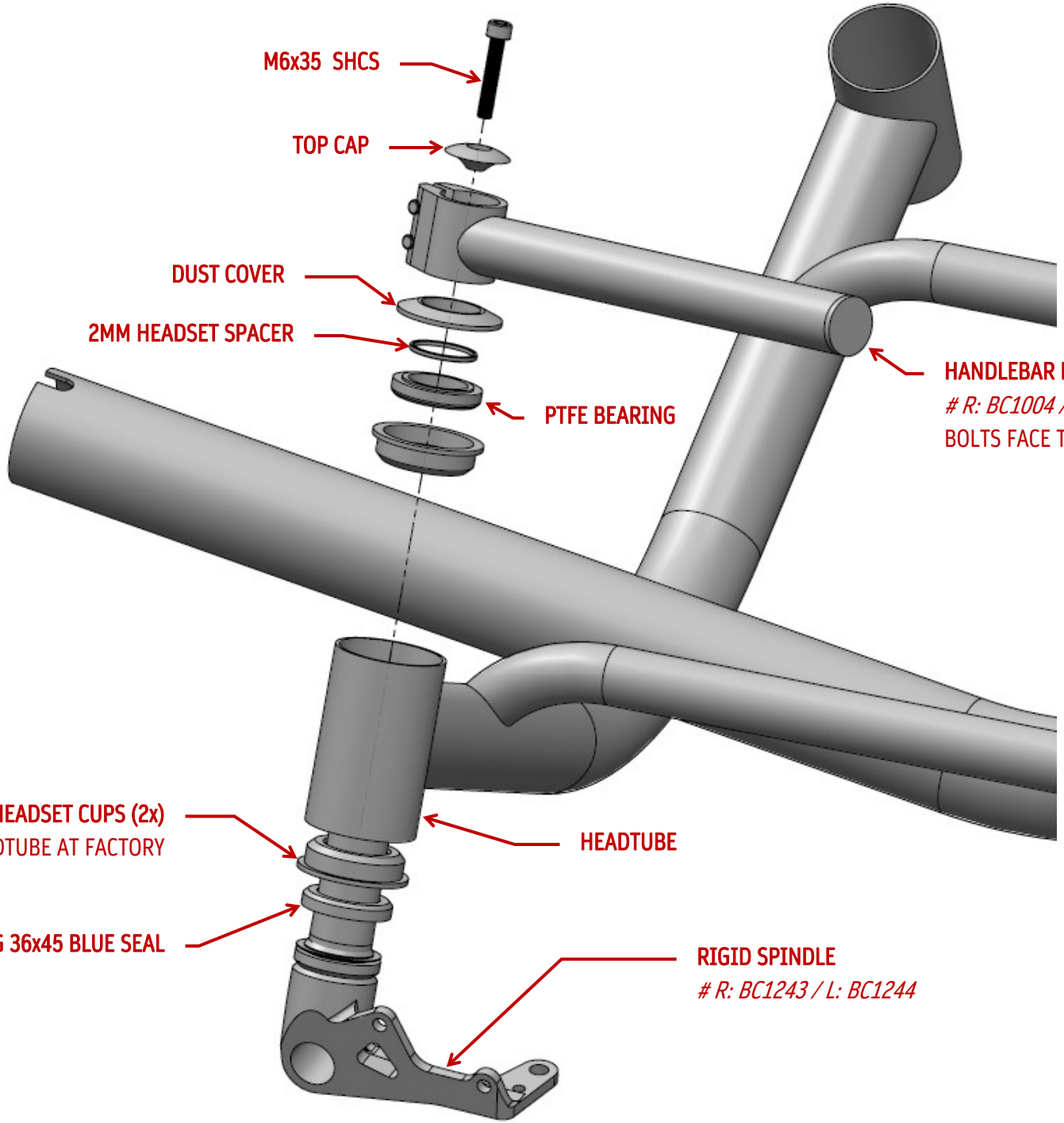
CATRIKE



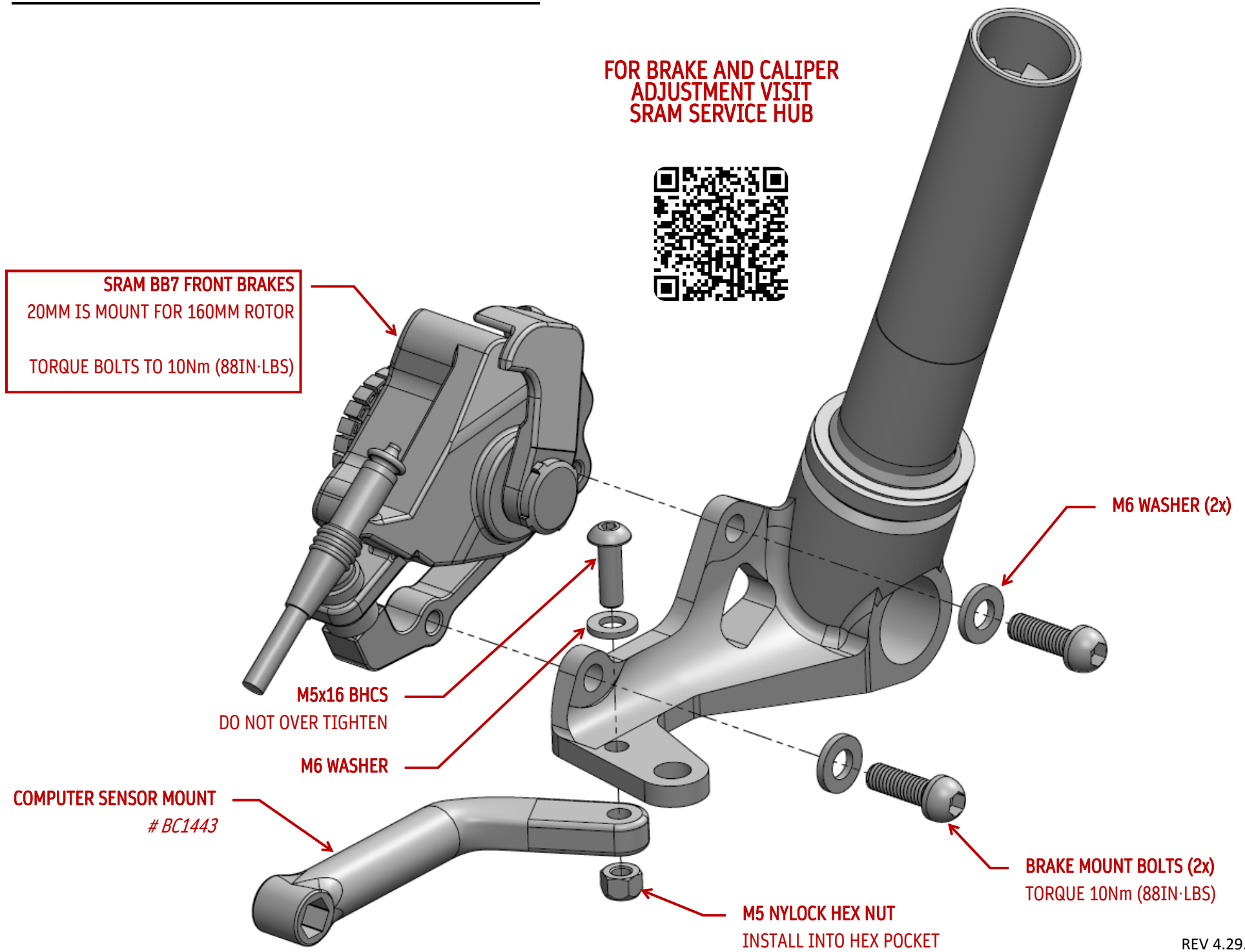
EXPEDITION

TECHNICAL MANUAL

HEADSET ASSEMBLY

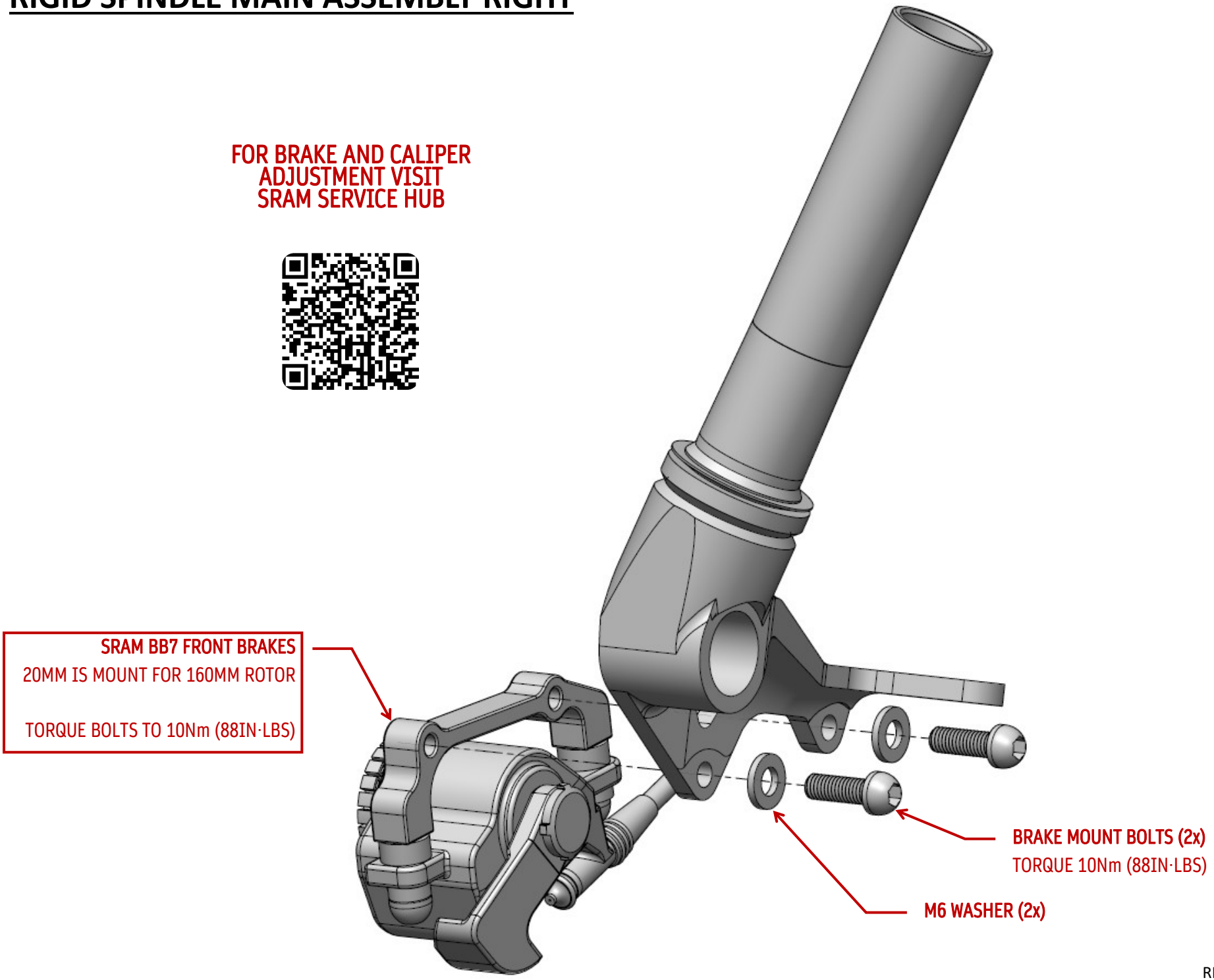


RIGID SPINDLE MAIN ASSEMBLY LEFT

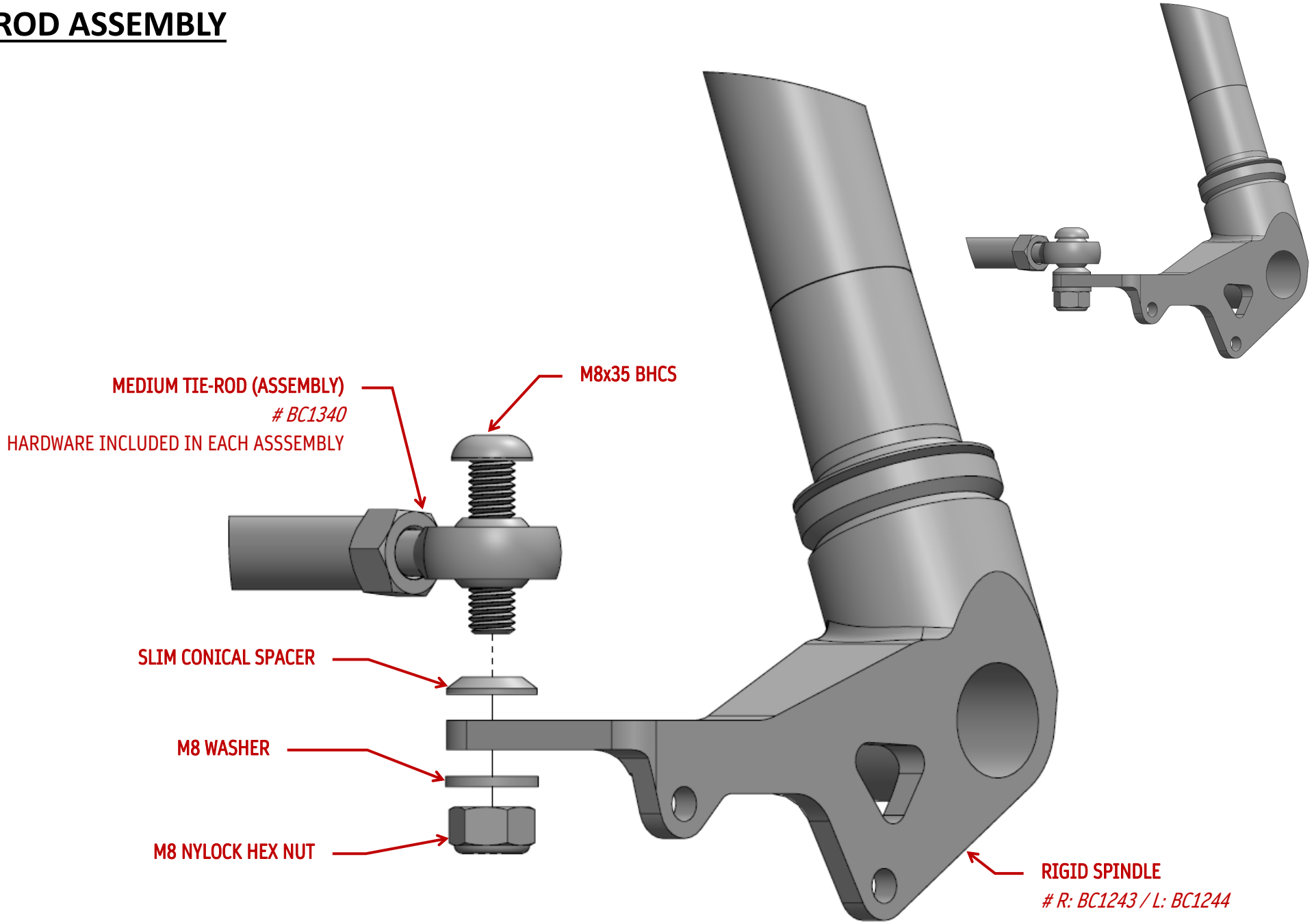


RIGID SPINDLE MAIN ASSEMBLY RIGHT

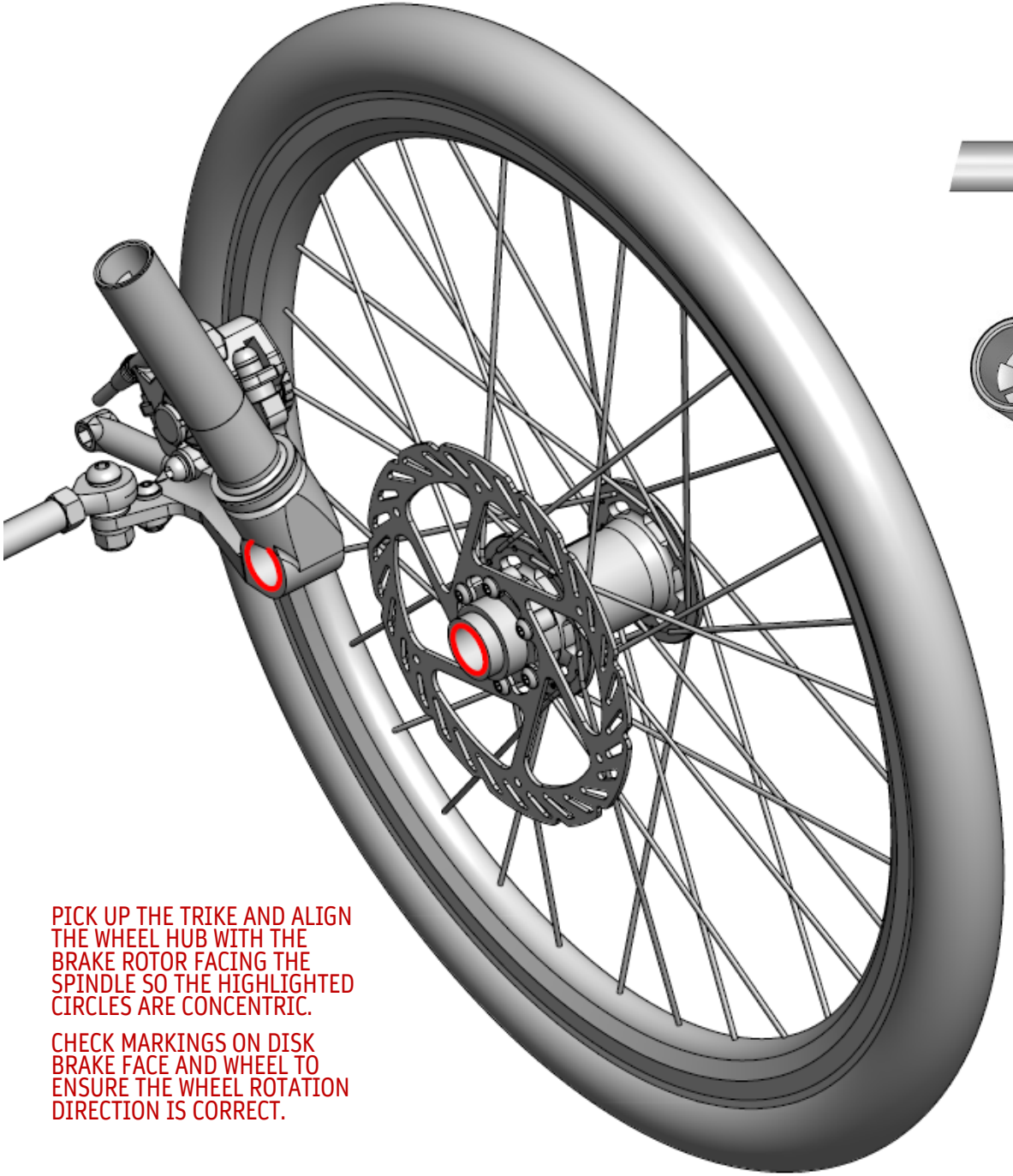
FOR BRAKE AND CALIPER
ADJUSTMENT VISIT
SRAM SERVICE HUB



TIE-ROD ASSEMBLY

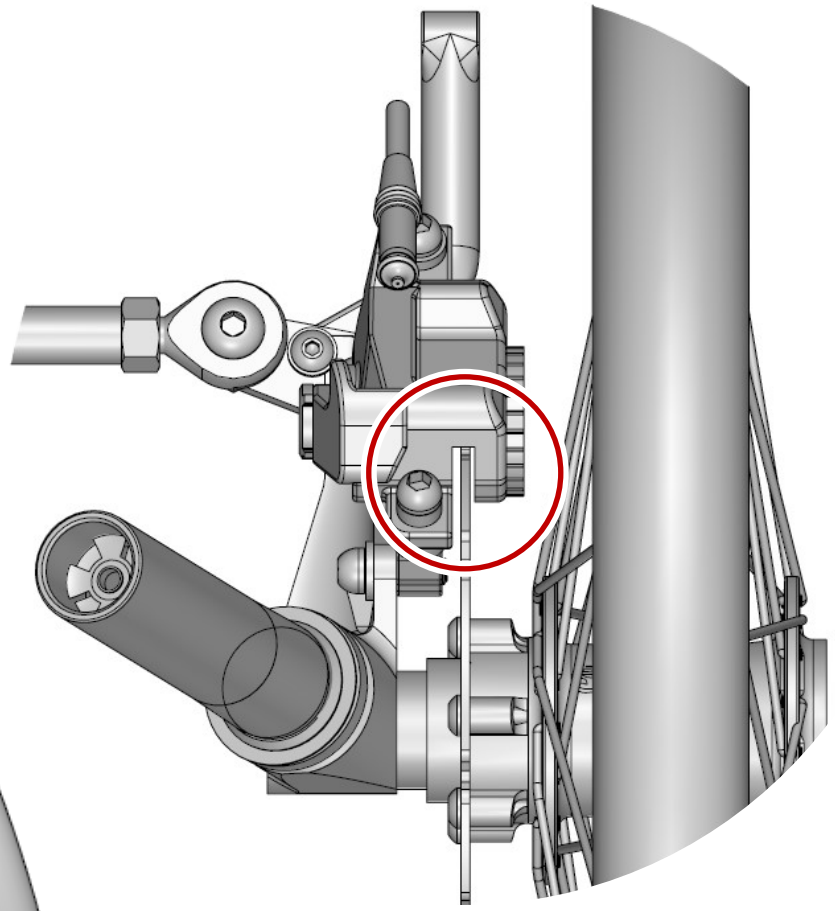


WHEEL INSTALL STEP 1



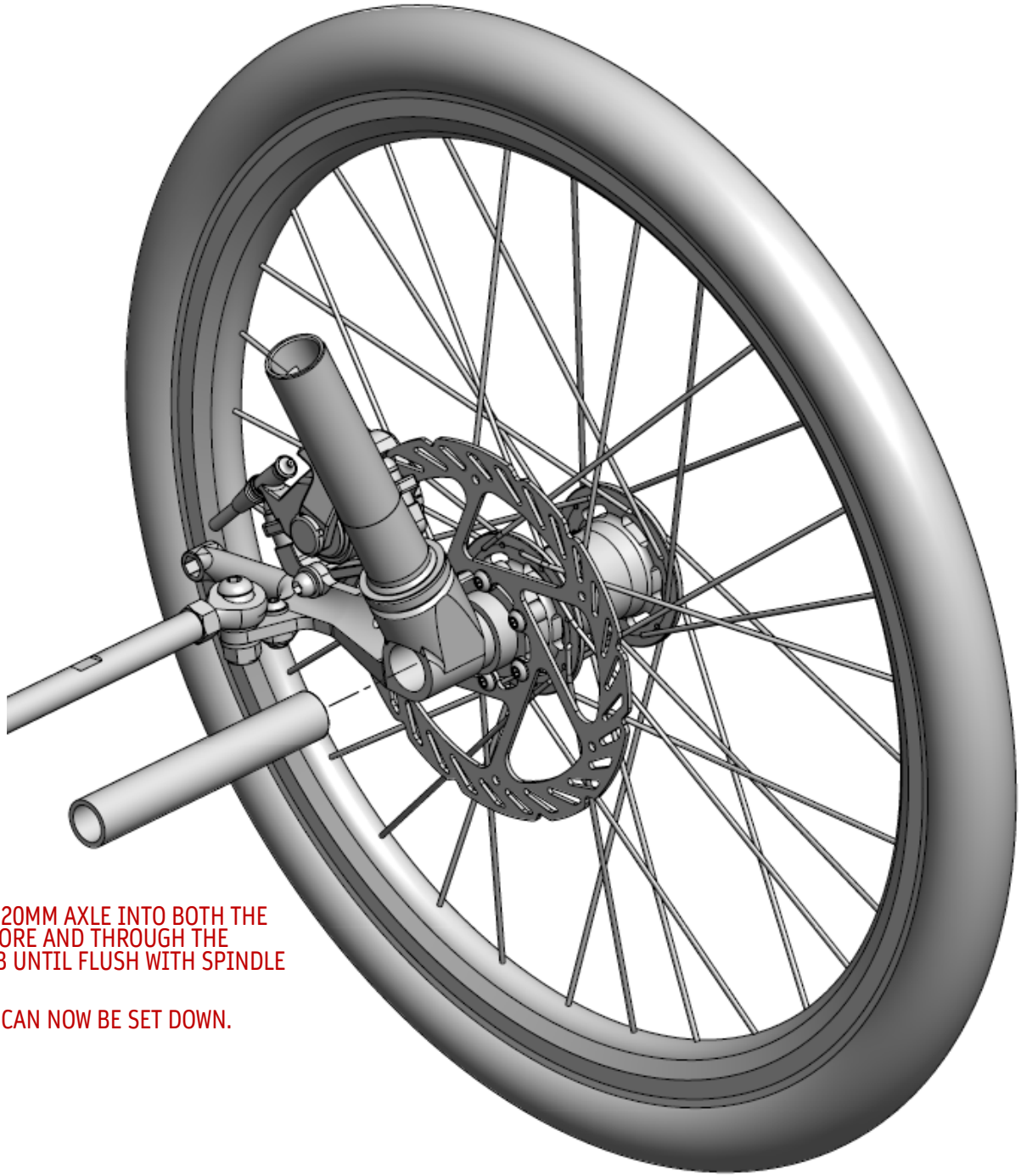
PICK UP THE TRIKE AND ALIGN THE WHEEL HUB WITH THE BRAKE ROTOR FACING THE SPINDLE SO THE HIGHLIGHTED CIRCLES ARE CONCENTRIC.

CHECK MARKINGS ON DISK BRAKE FACE AND WHEEL TO ENSURE THE WHEEL ROTATION DIRECTION IS CORRECT.



MAKE SURE THAT THE BRAKE ROTOR GOES IN THE CALIPER OPENING WHEN INSTALLING THE WHEEL.

WHEEL INSTALL STEP 2



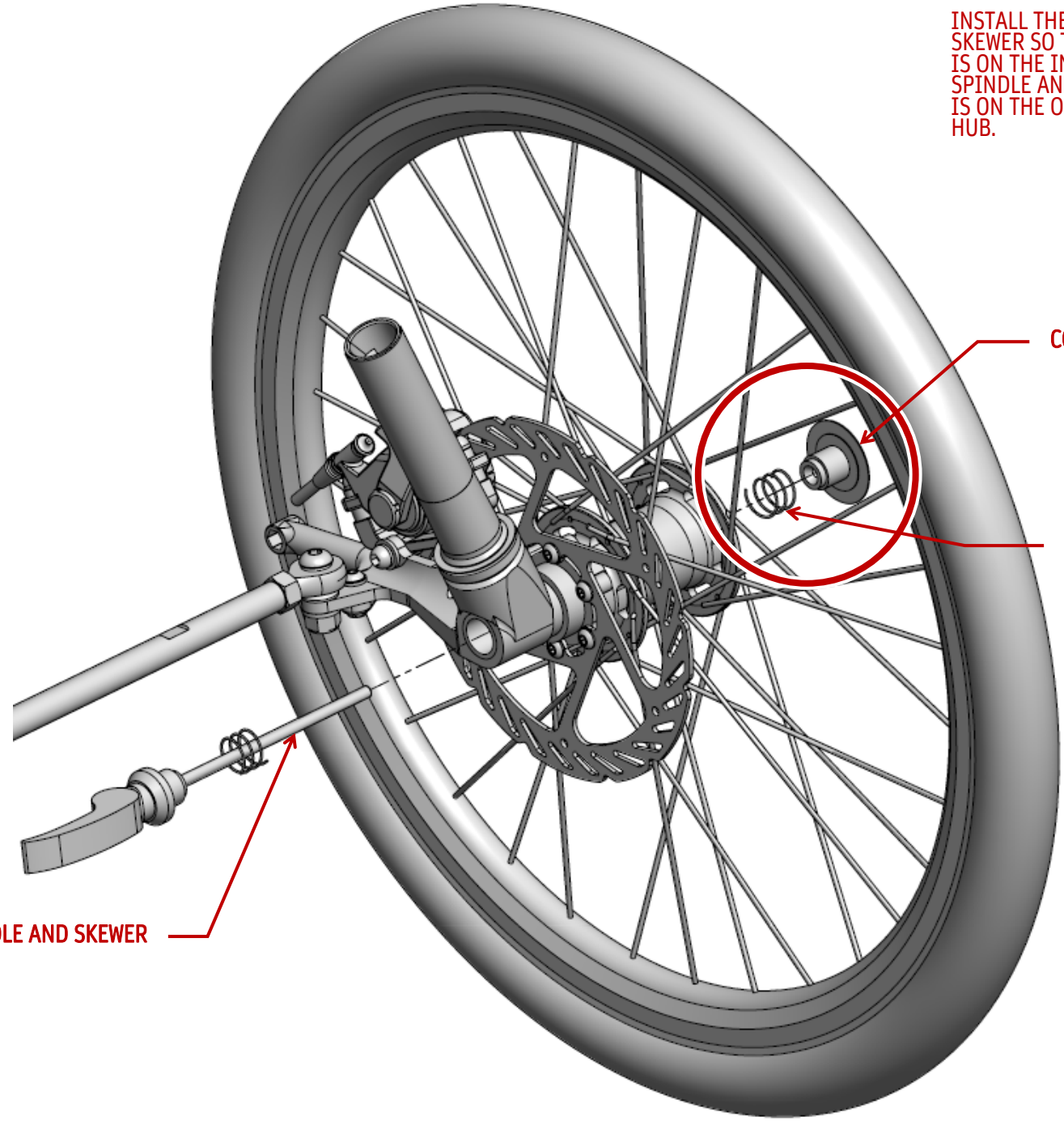
SLIDE THE 20MM AXLE INTO BOTH THE SPINDLE BORE AND THROUGH THE WHEEL HUB UNTIL FLUSH WITH SPINDLE SURFACE.

THE TRIKE CAN NOW BE SET DOWN.

WHEEL INSTALL STEP 3

INSTALL A SPRING ON EACH SIDE OF THE AXLE ASSEMBLY.

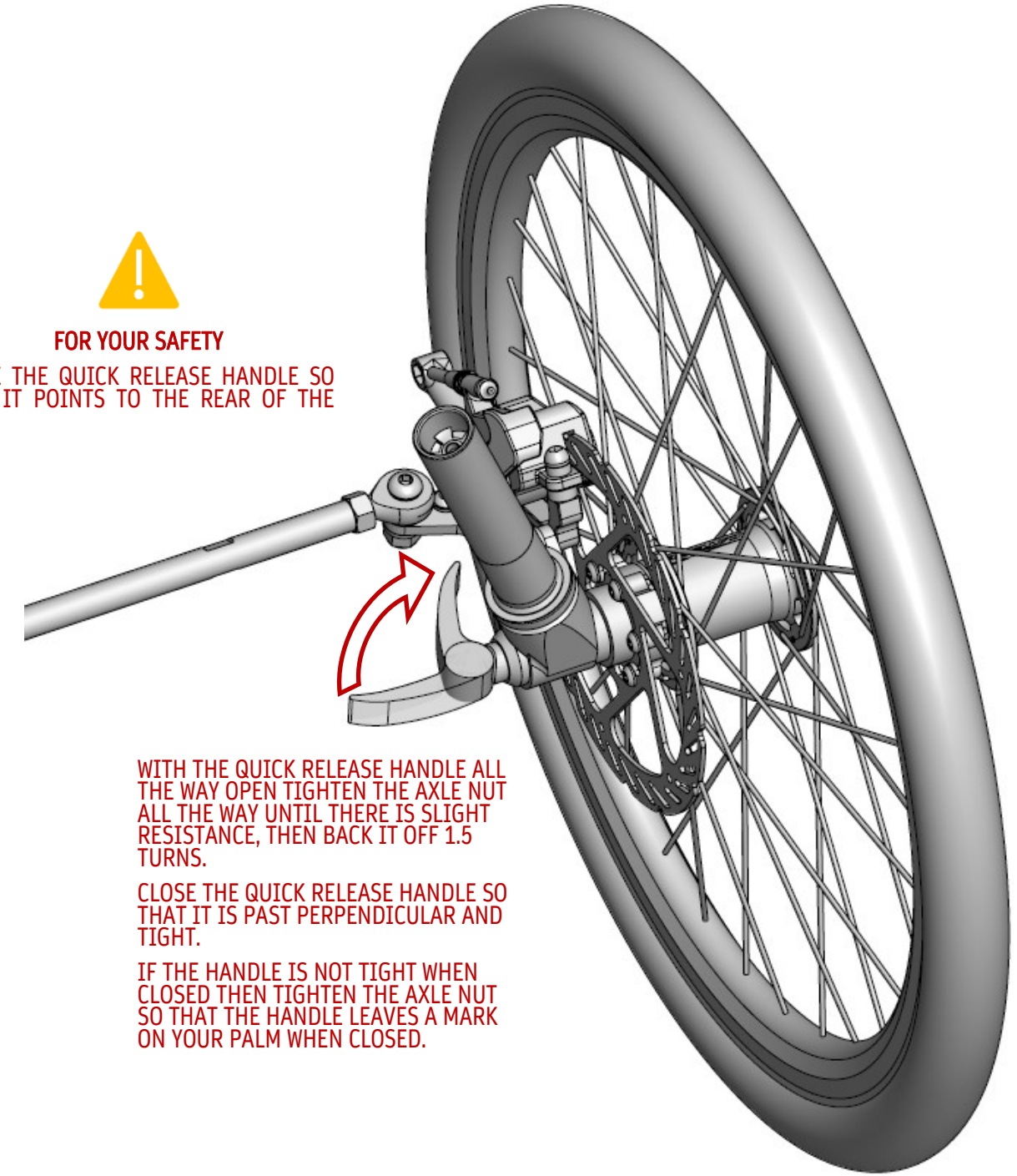
INSTALL THE QUICK RELEASE SKEWER SO THAT THE HANDLE IS ON THE INSIDE OF THE SPINDLE AND THE AXLE NUT IS ON THE OUTSIDE OF THE HUB.



WHEEL INSTALL STEP 4

FOR YOUR SAFETY

CLOSE THE QUICK RELEASE HANDLE SO THAT IT POINTS TO THE REAR OF THE TRIKE



WITH THE QUICK RELEASE HANDLE ALL THE WAY OPEN TIGHTEN THE AXLE NUT ALL THE WAY UNTIL THERE IS SLIGHT RESISTANCE, THEN BACK IT OFF 1.5 TURNS.

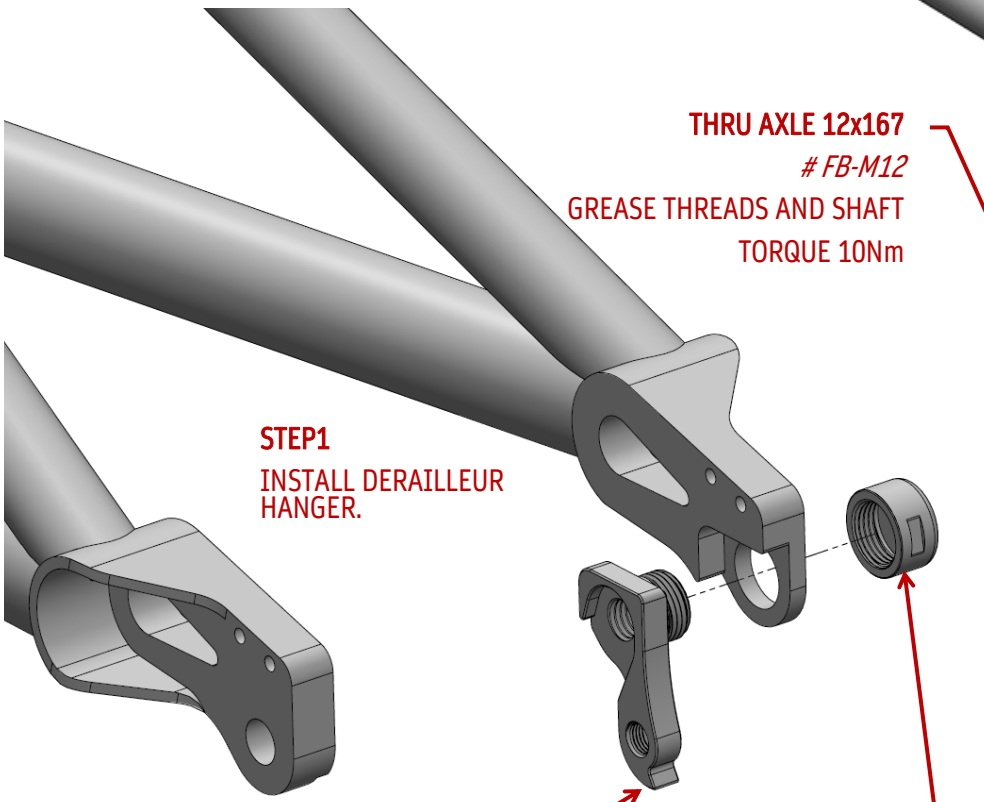
CLOSE THE QUICK RELEASE HANDLE SO THAT IT IS PAST PERPENDICULAR AND TIGHT.

IF THE HANDLE IS NOT TIGHT WHEN CLOSED THEN TIGHTEN THE AXLE NUT SO THAT THE HANDLE LEAVES A MARK ON YOUR PALM WHEN CLOSED.

THRU AXLE HUB & HANGER INSTALL

TIP:

IF INSTALLED, SHIFT REAR DERAILLEUR TO SMALLEST COG TO MAKE TIRE INSTALL AND REMOVAL EASIER



STEP1

INSTALL DERAILLEUR HANGER.

REAR DERAILLEUR HANGER - THRU AXLE

 # BC1352

GREASE THREADS

THRU AXLE 12x167

 # FB-M12

GREASE THREADS AND SHAFT

TORQUE 10Nm

STEP2

INSTALL HUB IN TO REAR DROPOUTS.

STEP3

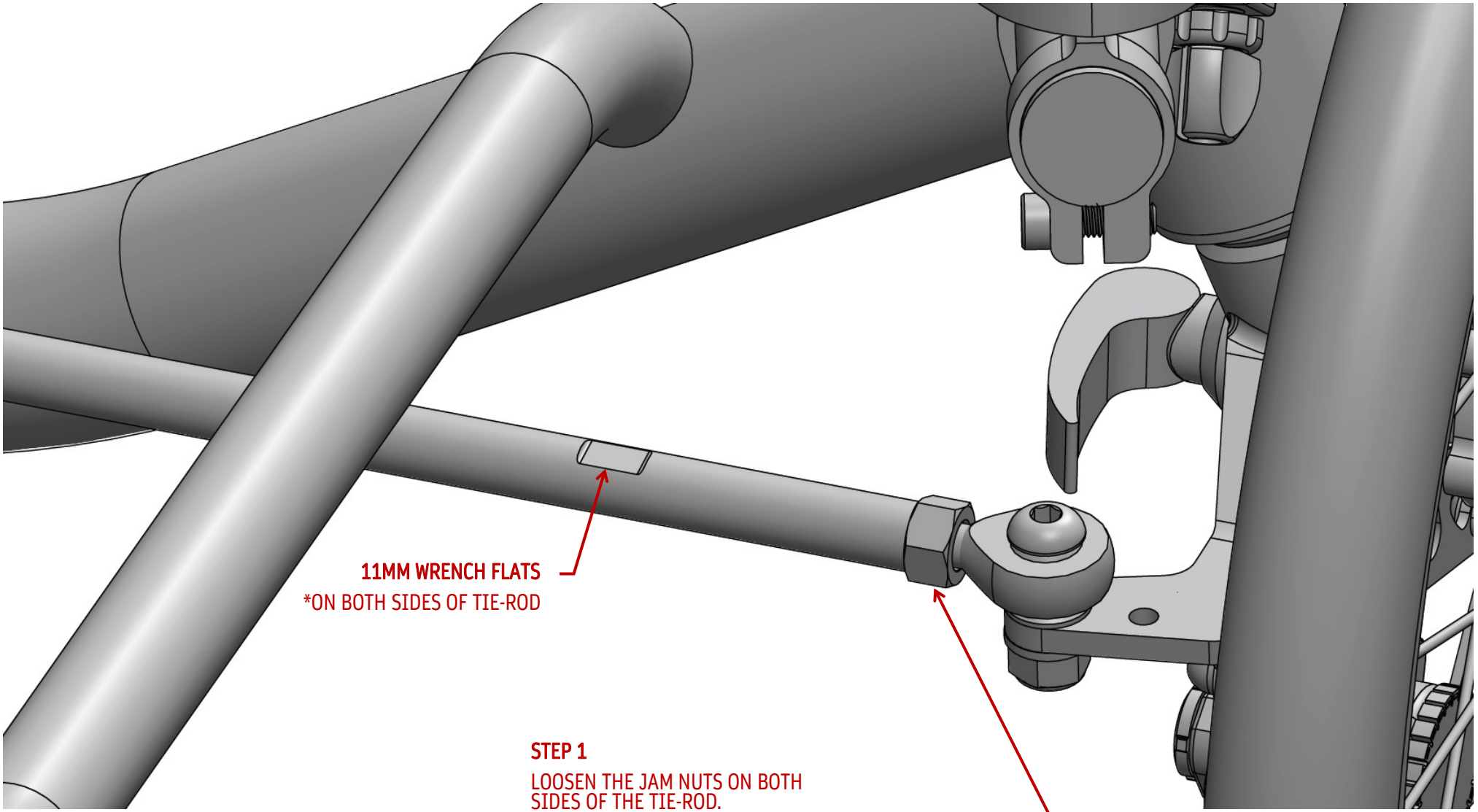
INSTALL AND TIGHTEN THRU AXLE TO 10NM

REAR DERAILLEUR NUT - THRU AXLE

 # BC1353

TORQUE 17Nm

TIE-ROD ADJUSTMENT

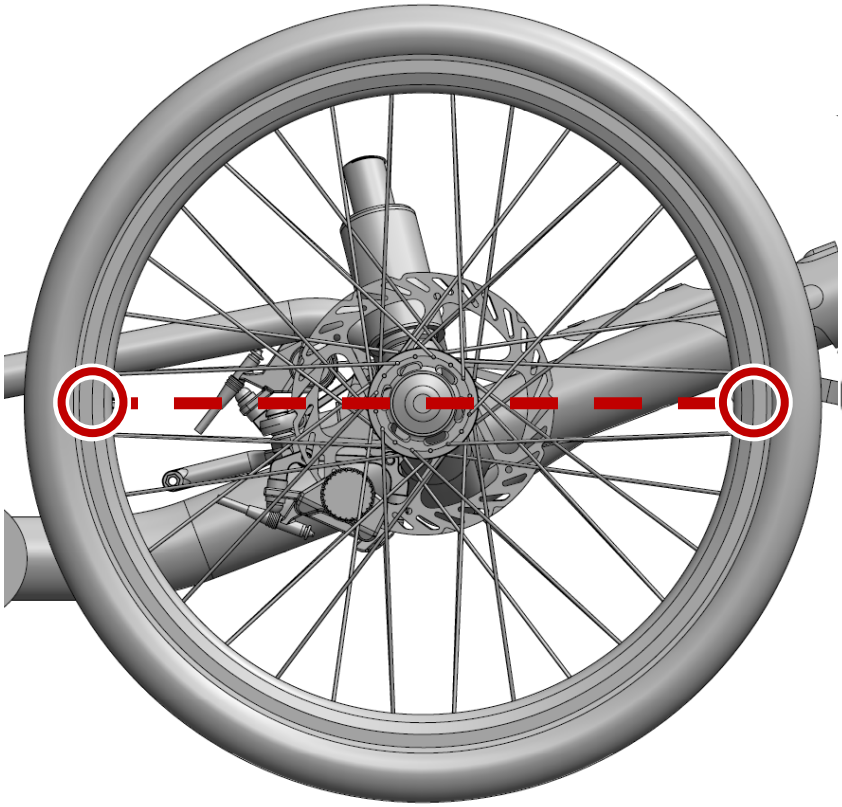


TIE-ROD ADJUSTMENT CONTINUED

STEP 2

WITH THE WHEELS POINTING AS STRAIGHT AS POSSIBLE, USE THE CALIBRO TOOL OR A TAPE MEASURE TO MEASURE ACROSS THE FRONT WHEELS AT THE RIM FROM AXLE HEIGHT; TWO POINTS CIRLCED BELOW.

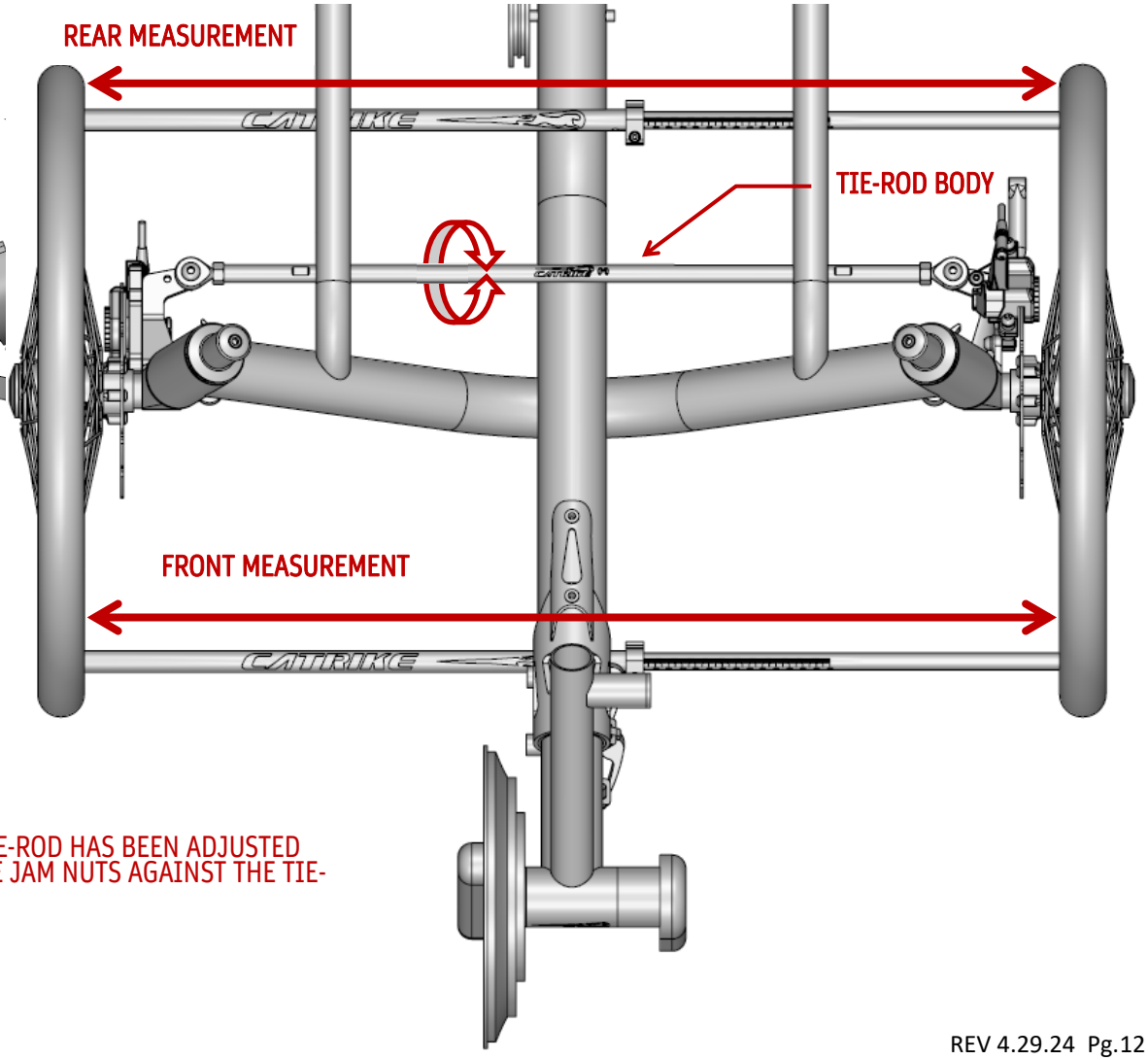
COMPARE THE MEASUREMENTS FROM BOTH POINTS.



STEP 3

USING THE MEASUREMENTS TAKEN FROM THE PREVIOS STEP, ADJUST THE TIE-ROD BY SPINNING THE MAIN BODY SO THAT THE WHEELS ARE TOED-IN A MAXIMUM OF 0-2MM.

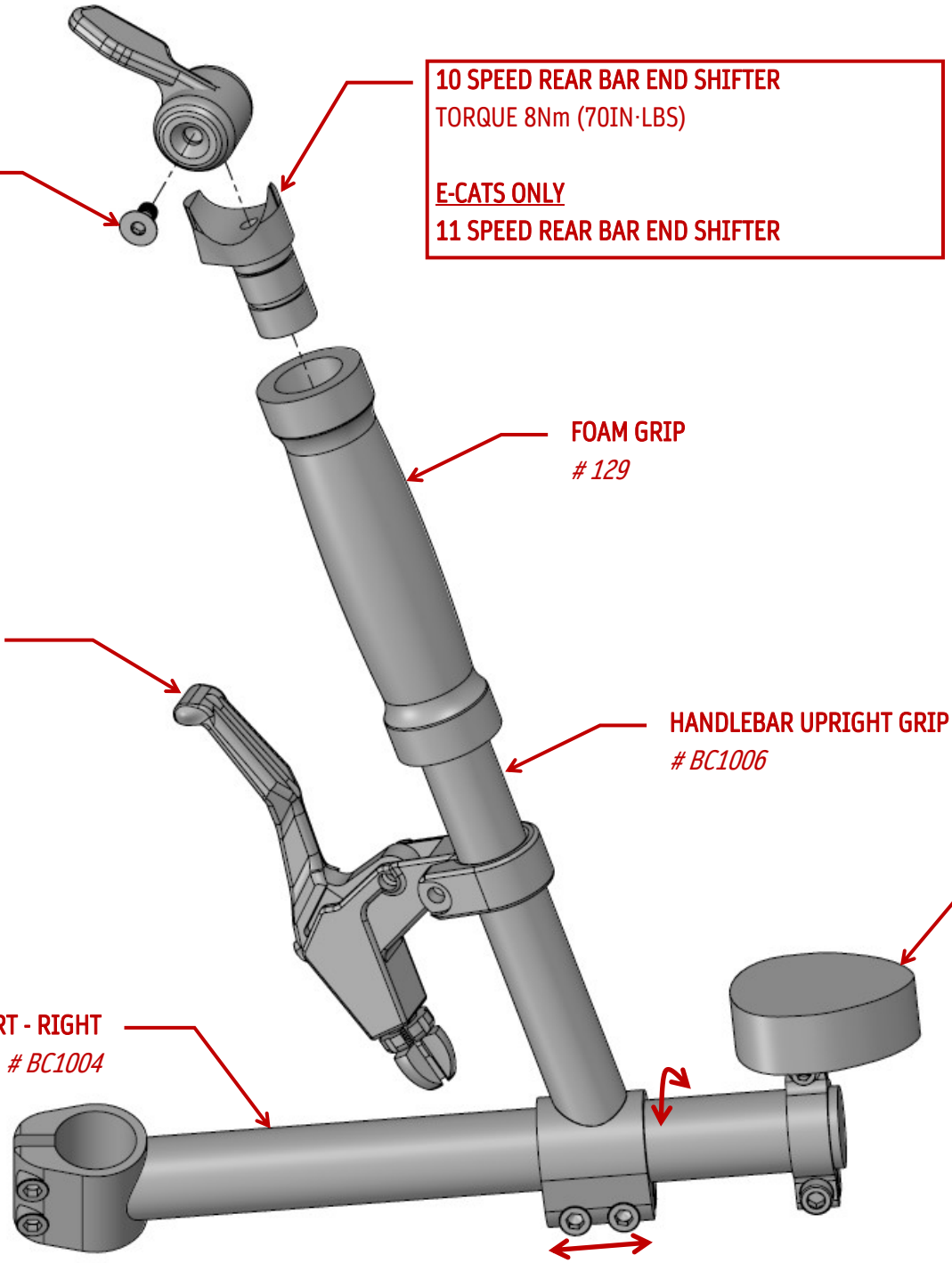
IN OTHER WORDS THE MEASUREMENT FROM THE FRONT SHOULD BE 0-2MM SMALLER THAN THE MEASUREMENT TAKEN FROM THE REAR OF THE RIM



STEP 4

ONCE THE TIE-ROD HAS BEEN ADJUSTED TIGHTEN THE JAM NUTS AGAINST THE TIE-ROD BODY.

STANDARD HANDLEBAR ASSEMBLY RIGHT



10 SPEED REAR BAR END SHIFTER
TORQUE 8Nm (70IN·LBS)

E-CATS ONLY
11 SPEED REAR BAR END SHIFTER

SHIFTER SCREW
TORQUE 5Nm (40IN·LBS)

FOAM GRIP
 # 129

LOCKING BRAKE LEVER
 # BC1347-R
LOCKOUT BUTTON POINTS OUTWARDS

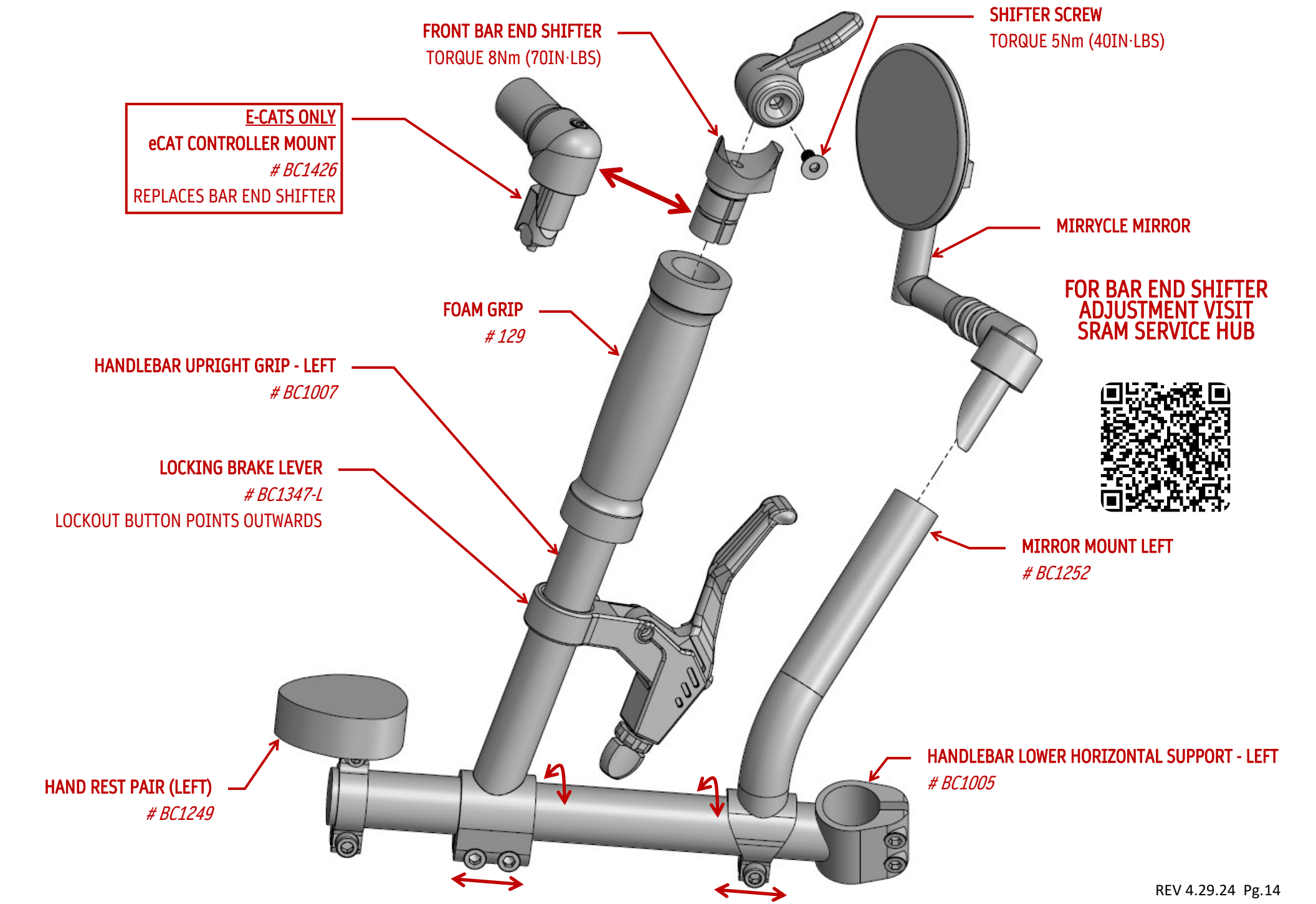
HANDLEBAR UPRIGHT GRIP - RIGHT
 # BC1006

HAND REST PAIR (RIGHT)
 # BC1249

HANDLEBAR LOWER HORIZONTAL SUPPORT - RIGHT
 # BC1004

FOR BAR END SHIFTER ADJUSTMENT VISIT SRAM SERVICE HUB

STANDARD HANDLEBAR ASSEMBLY LEFT



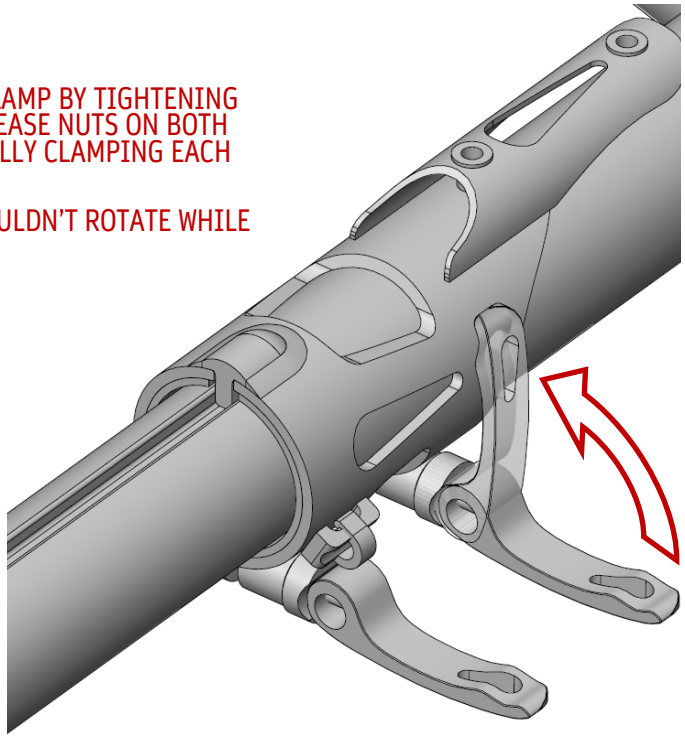
BOOM ADJUSTMENT

WHILE SITTING, SLIDE BOOM UP TO HEEL OF FULLY EXTENDED LEG.

BOOM CAN BE CUT FOR SHORTER RIDERS.

CLOSE BOOM CLAMP BY TIGHTENING THE QUICK RELEASE NUTS ON BOTH LEVERS AND FULLY CLAMPING EACH HANDLE.

THE BOOM SHOULDN'T ROTATE WHILE PEDALING.



ONCE CLIPPED IN, THE EXTENDED LEG SHOULD NOW HAVE A SLIGHT BEND.

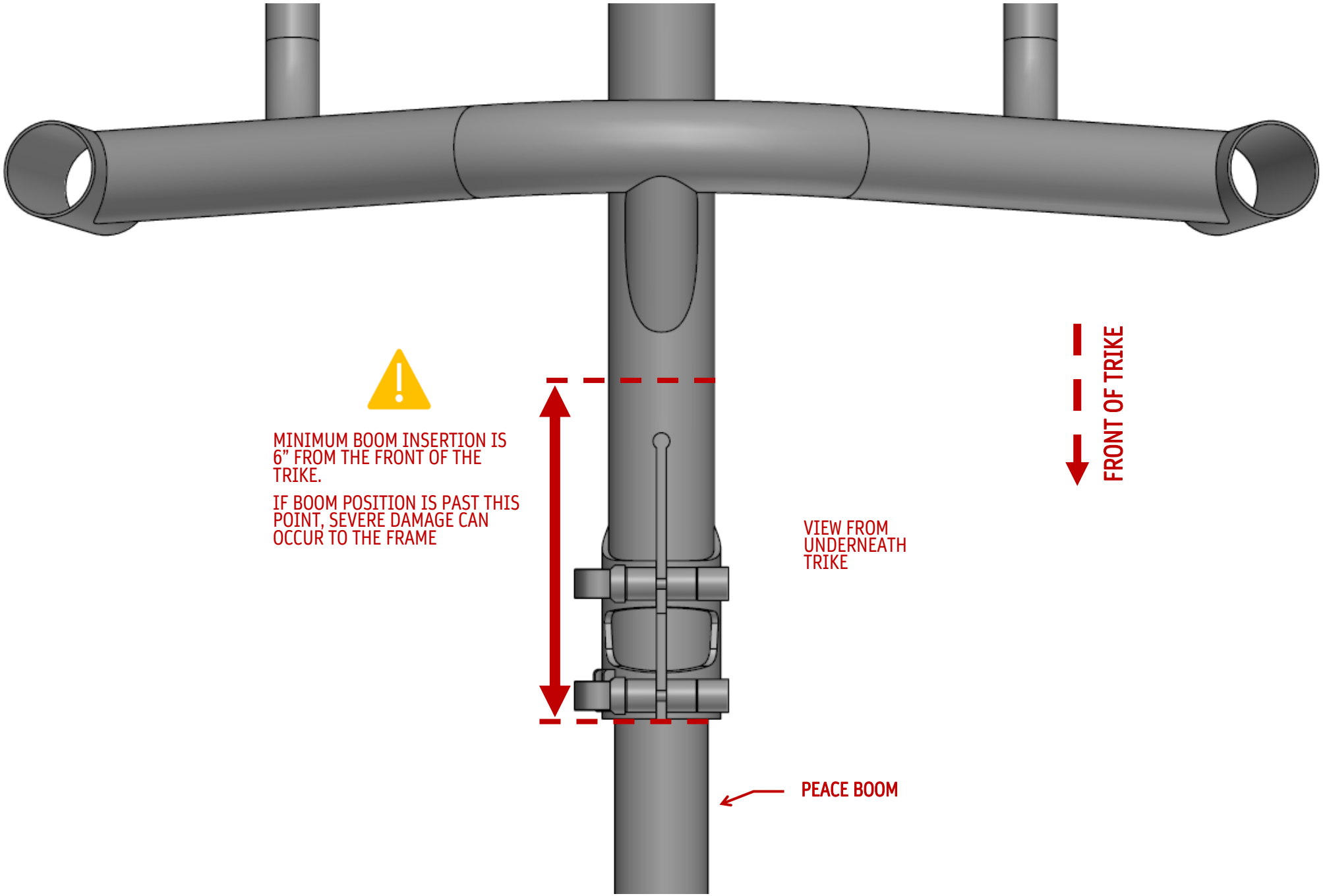
BOOM ADJUSTMENT IS UP TO RIDER PREFERENCE.

⚠

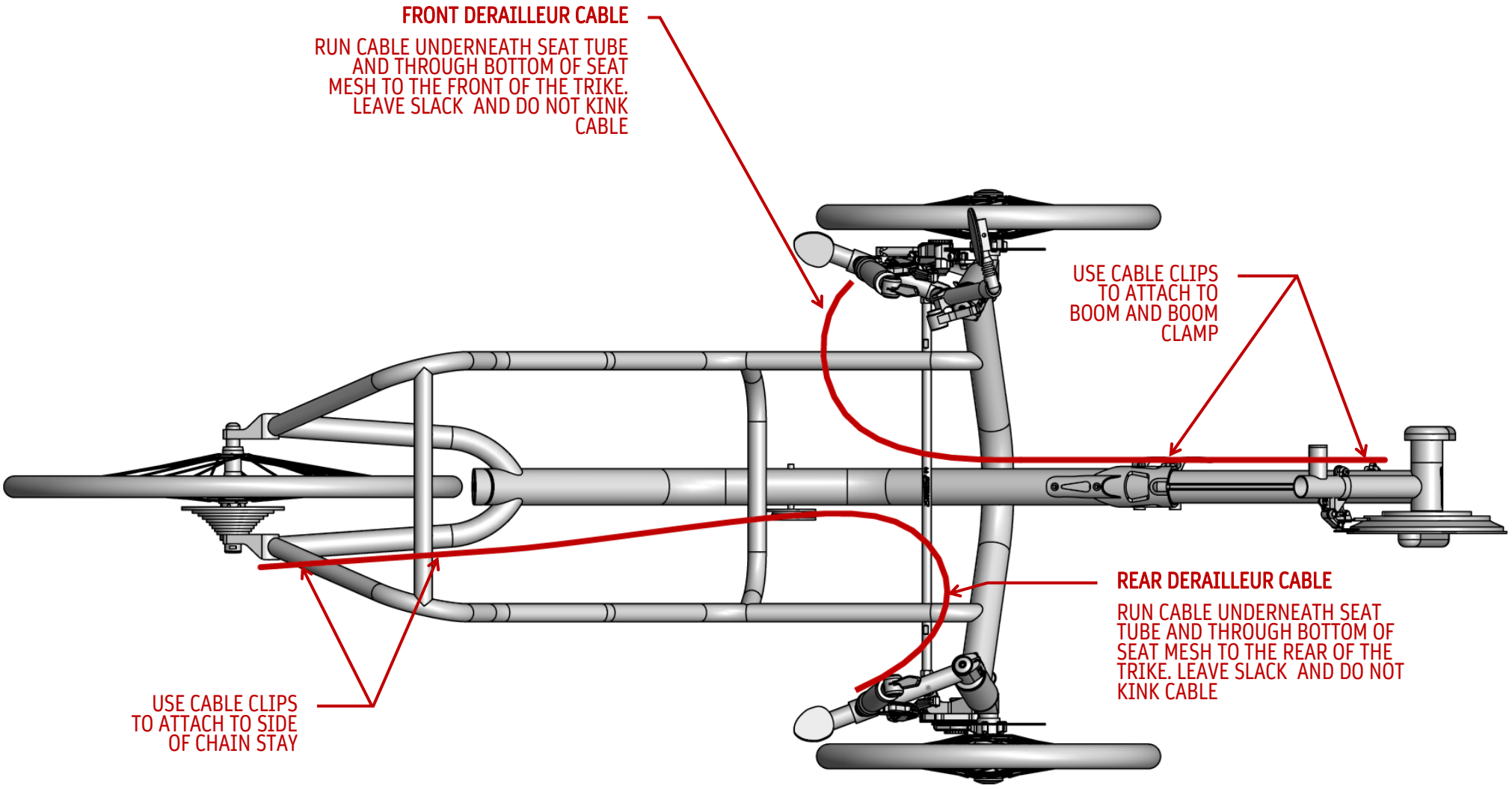
CLIPLESS SHOES ARE STRONGLY RECCOMENDED

SEE WARNING ON NEXT PAGE REGARDING MINIMUM BOOM INSERTION

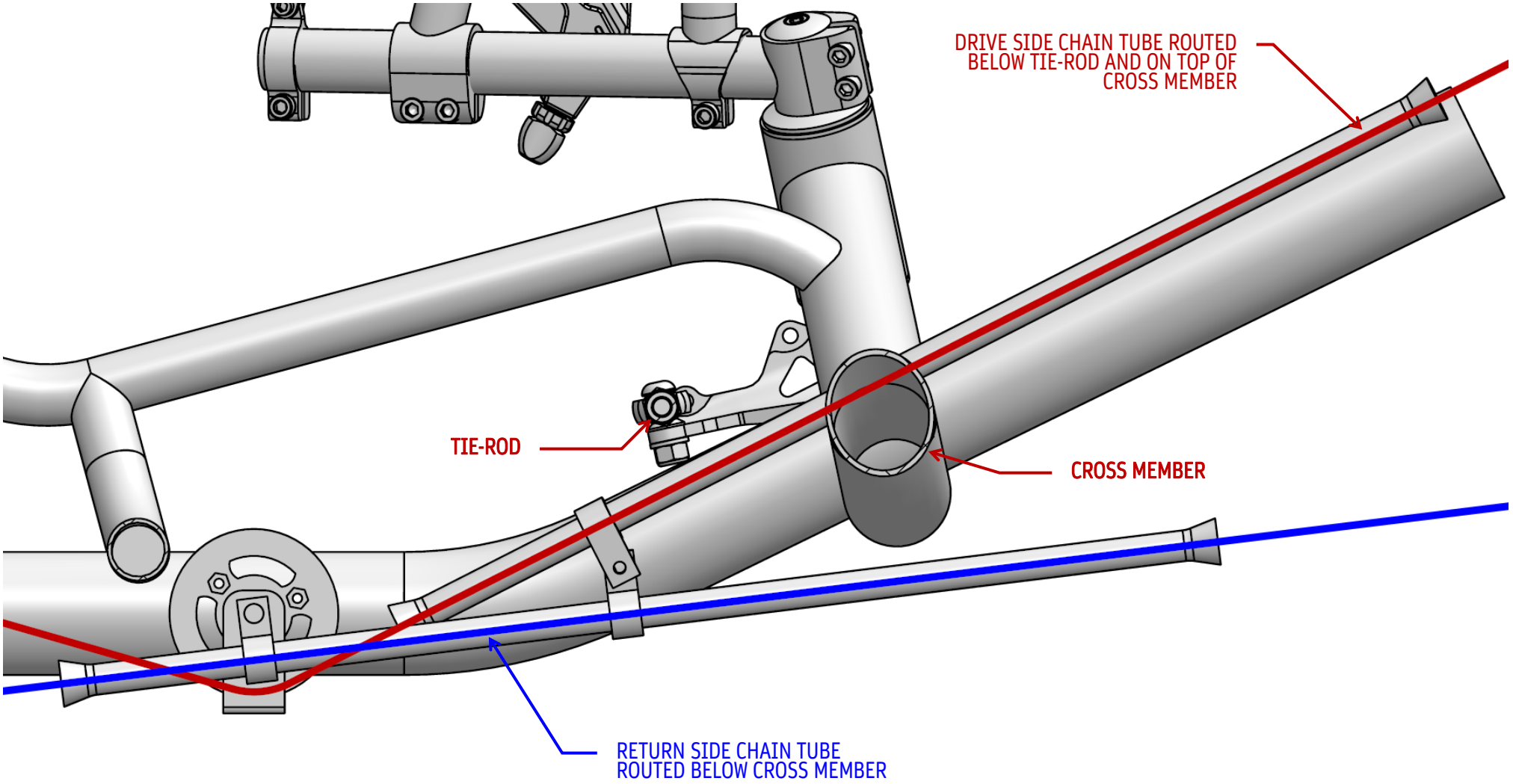
BOOM INSERTION



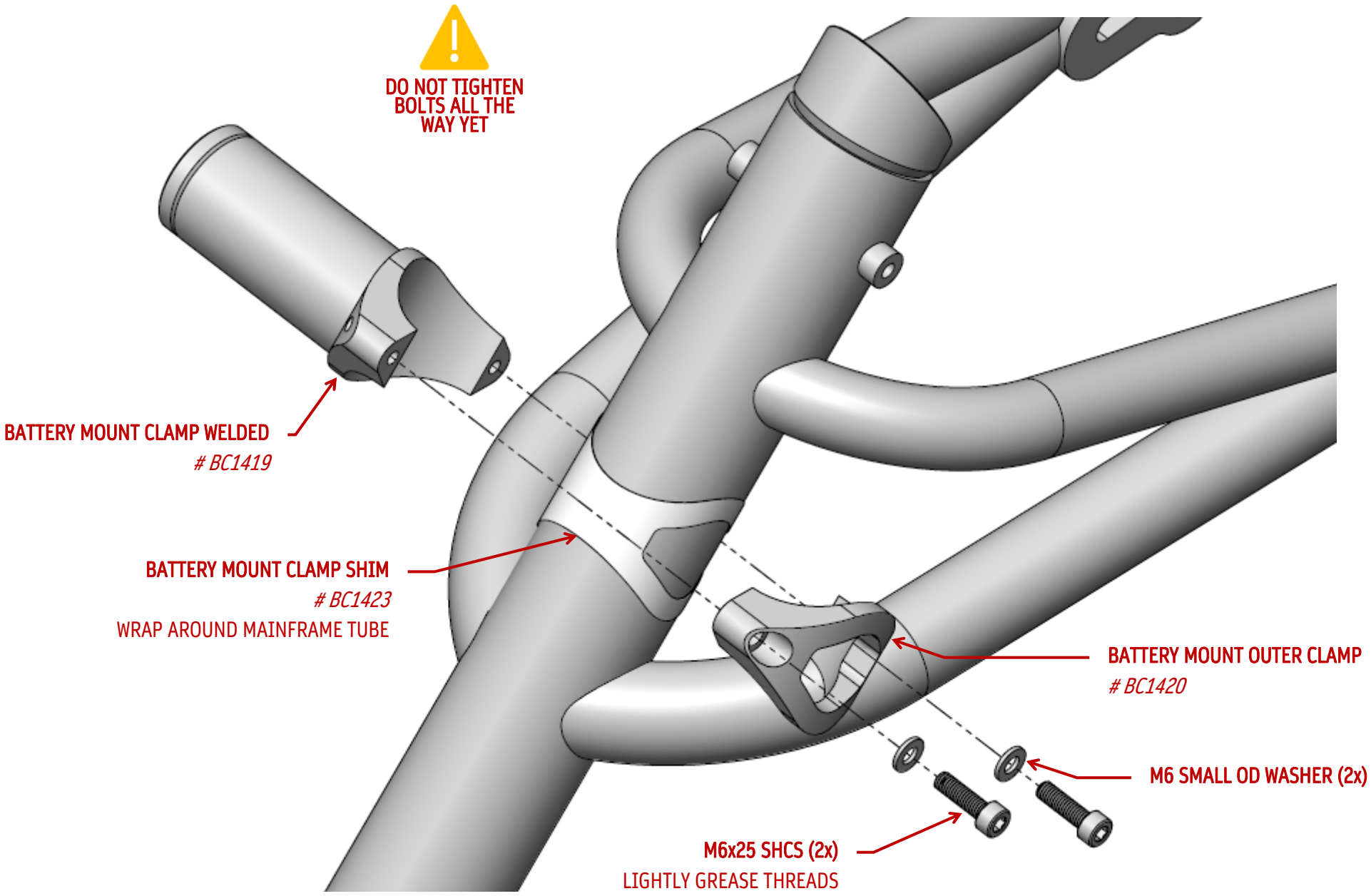
CABLE ROUTING



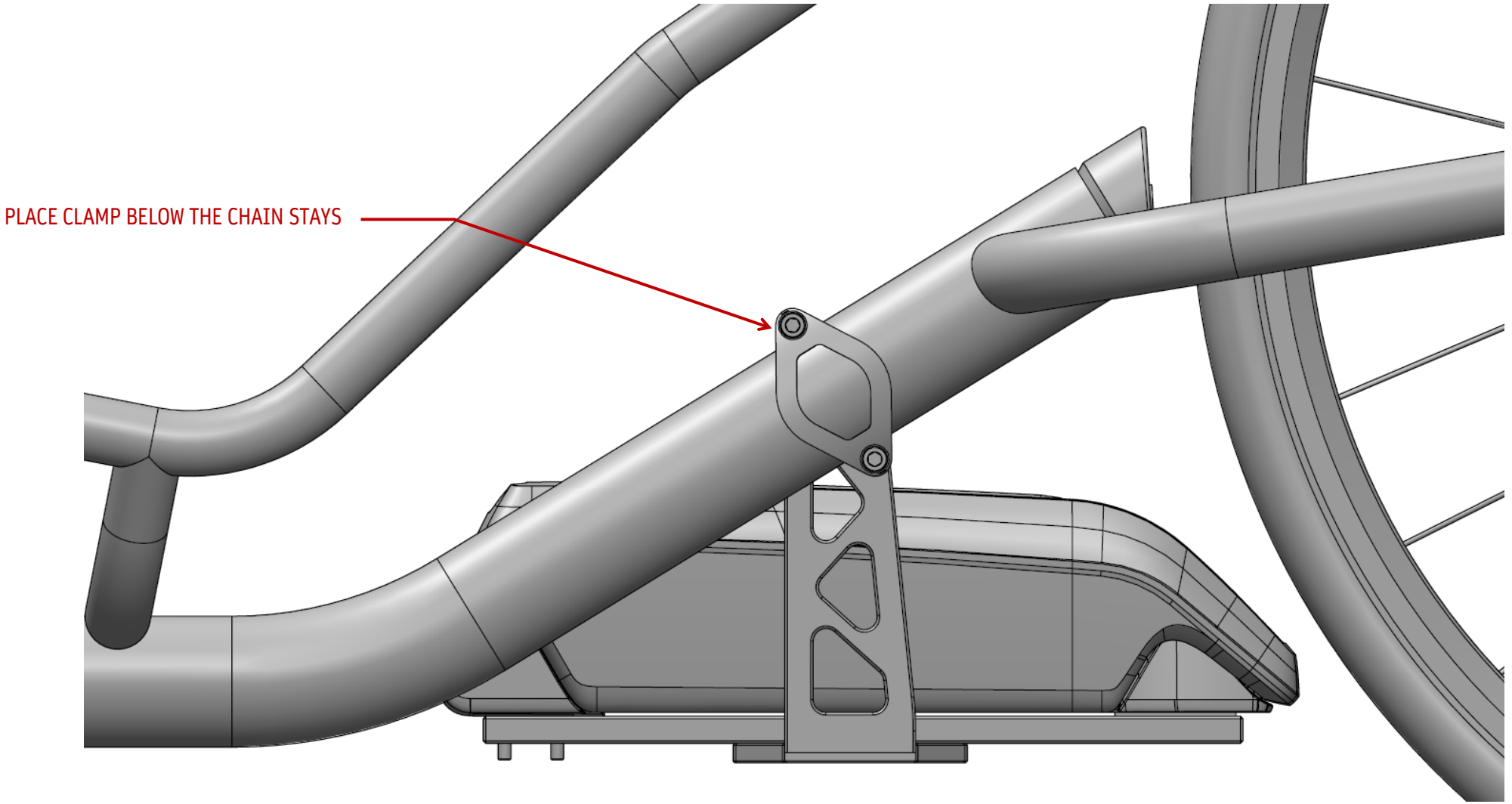
CHAIN ROUTING



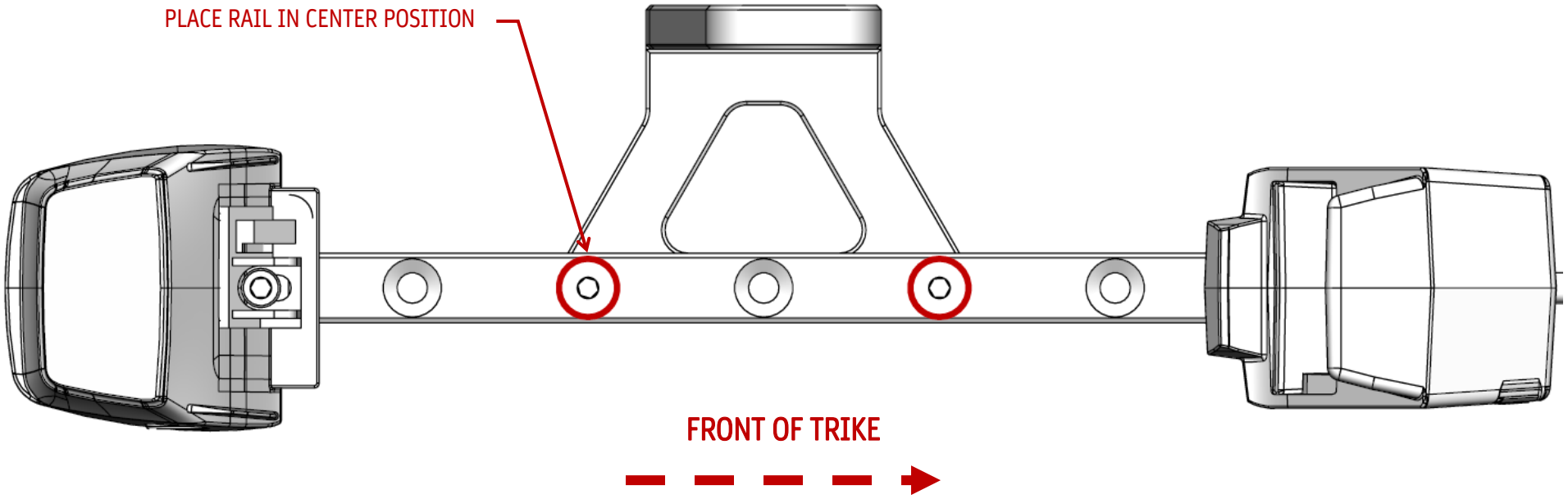
EKIT BATTERY CLAMP ASSEMBLY



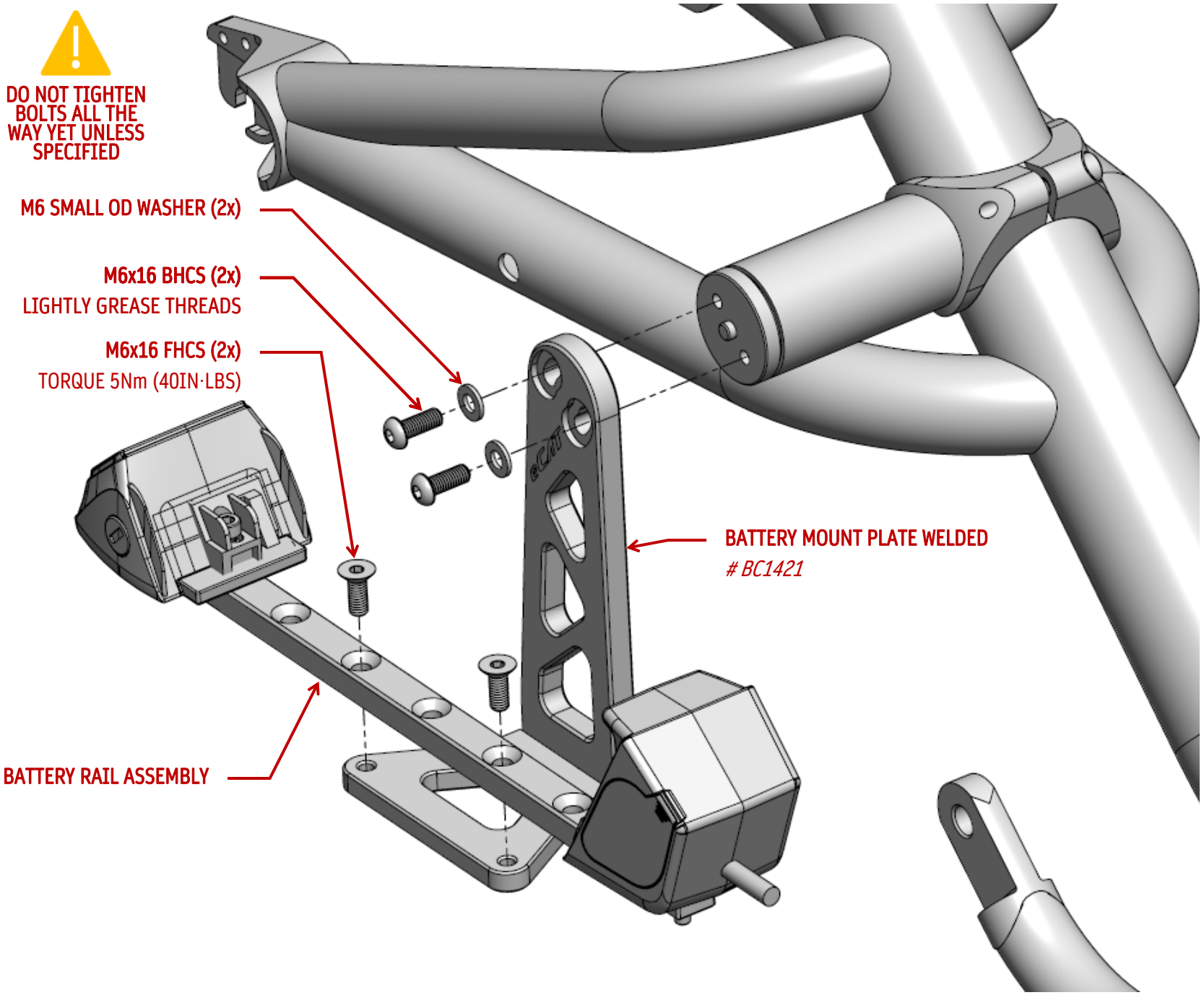
EKIT BATTERY CLAMP POSITION



EKIT BATTERY RAIL POSITION

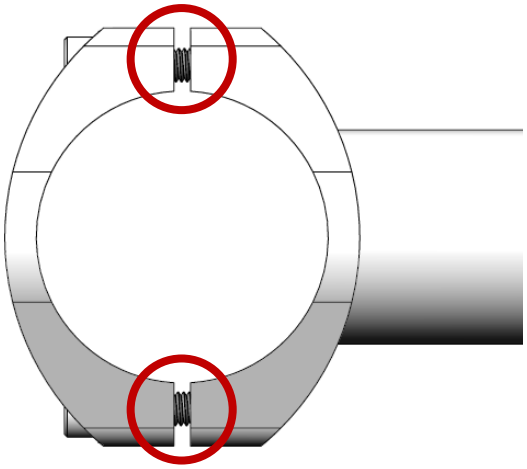


EKIT BATTERY RAIL ASSEMBLY

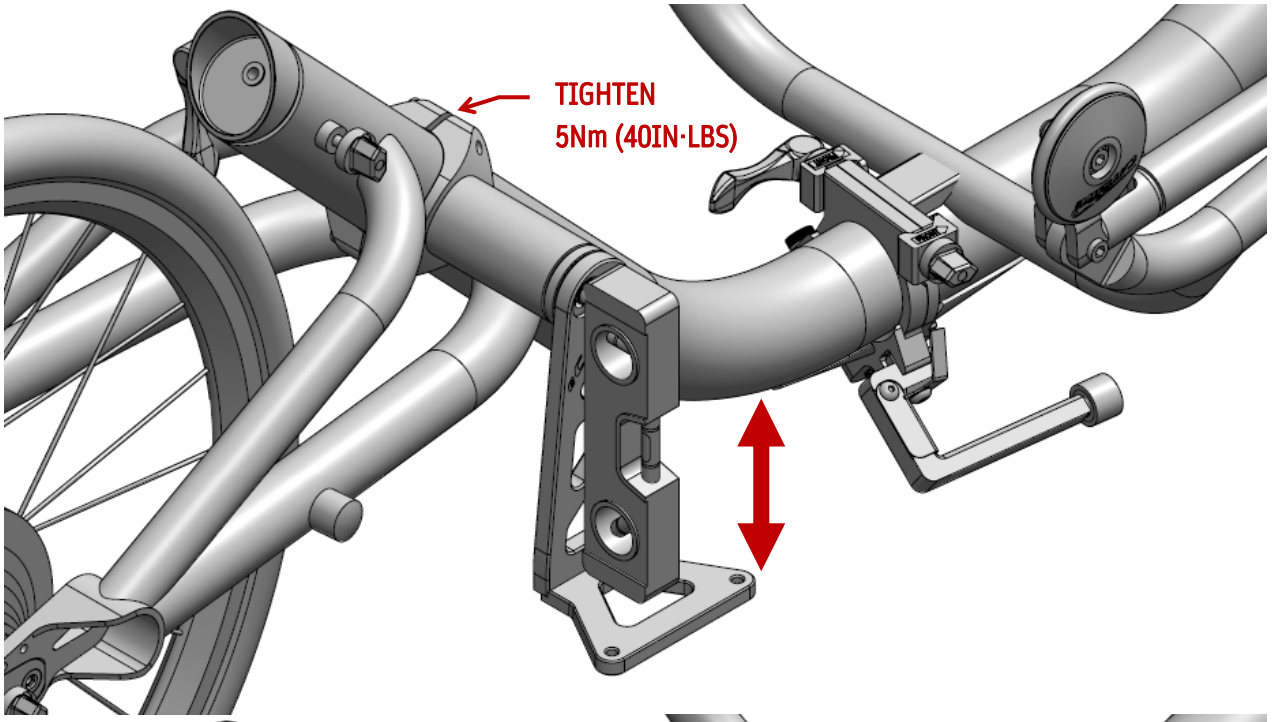


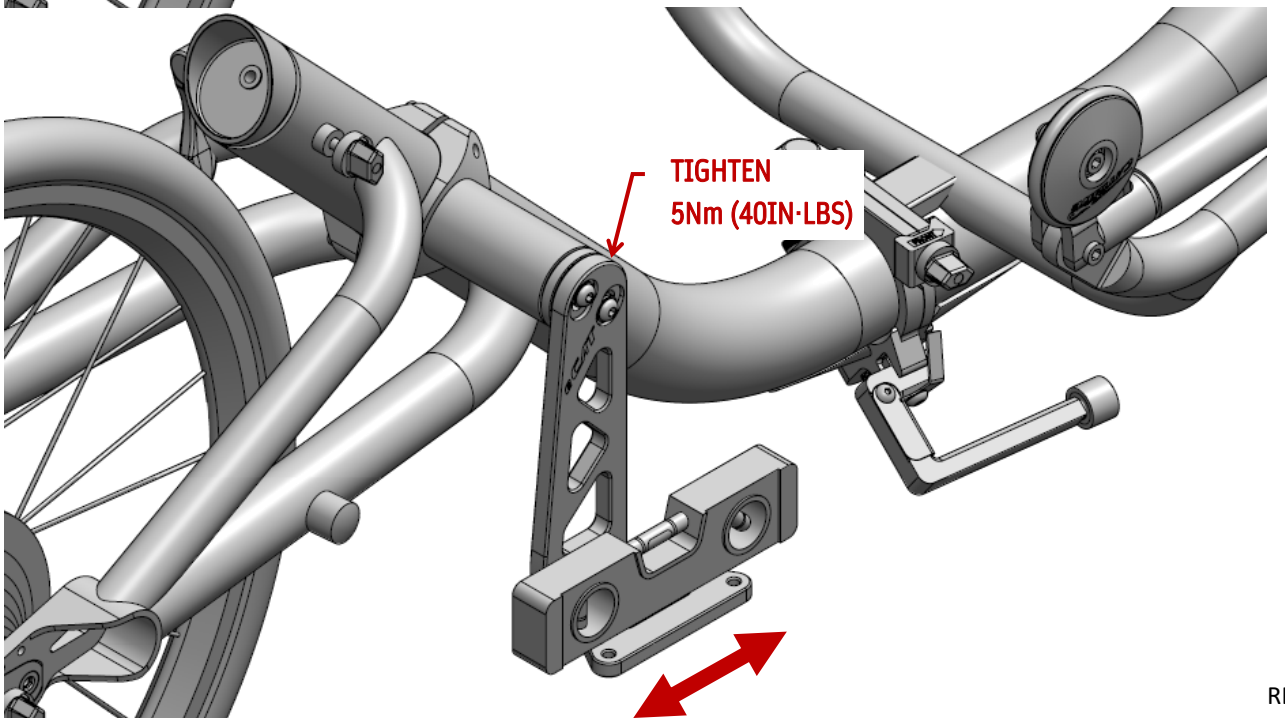
EKIT BATTERY CLAMP LEVEL

LEVEL EACH OF THE SHOWN AXIS FOR THE BATTERY CLAMP AND BRACKET BEFORE TIGHTENING THE RESPECTIVE BOLTS

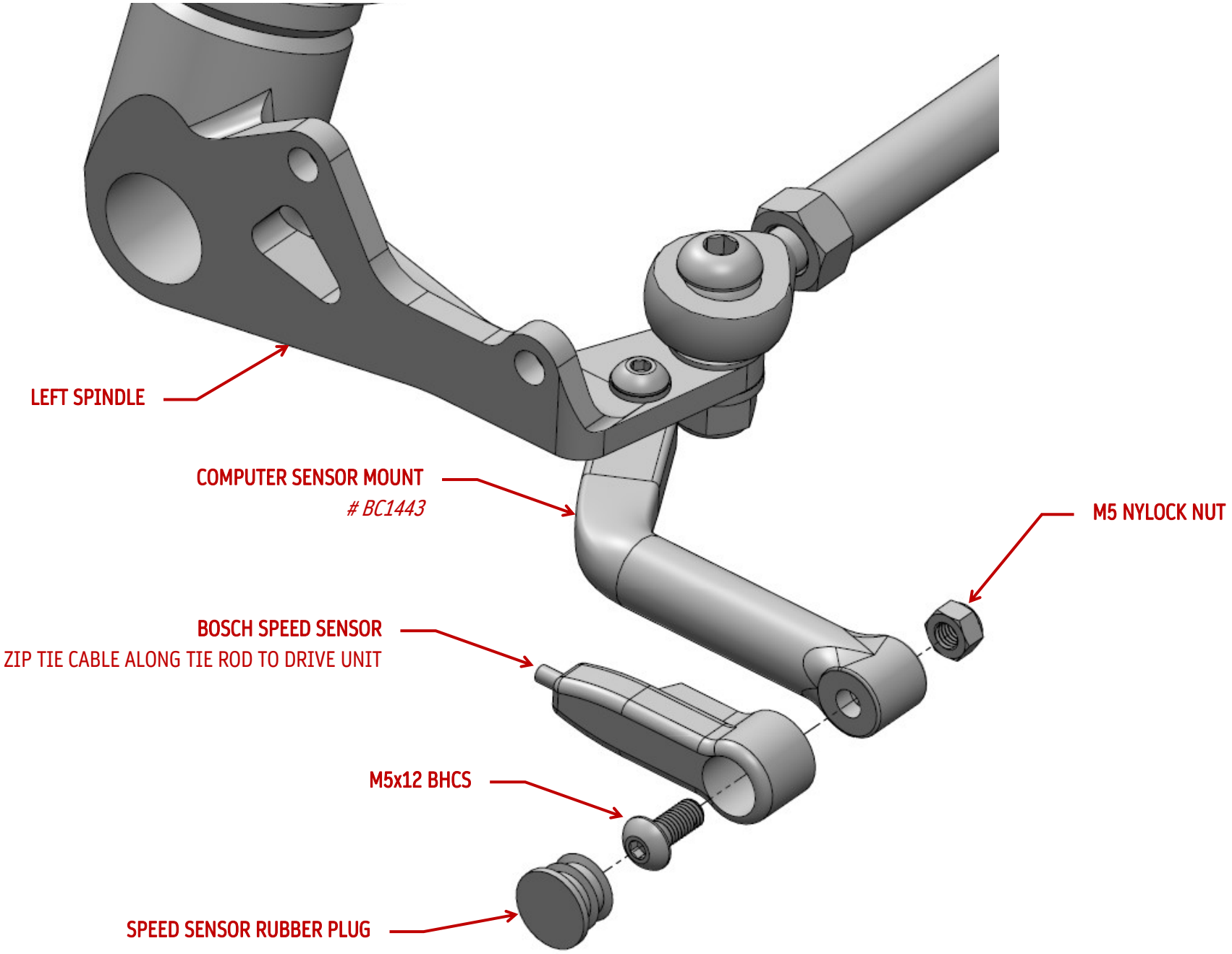


ENSURE EVEN GAP ON CLAMP WHEN TIGHTENING

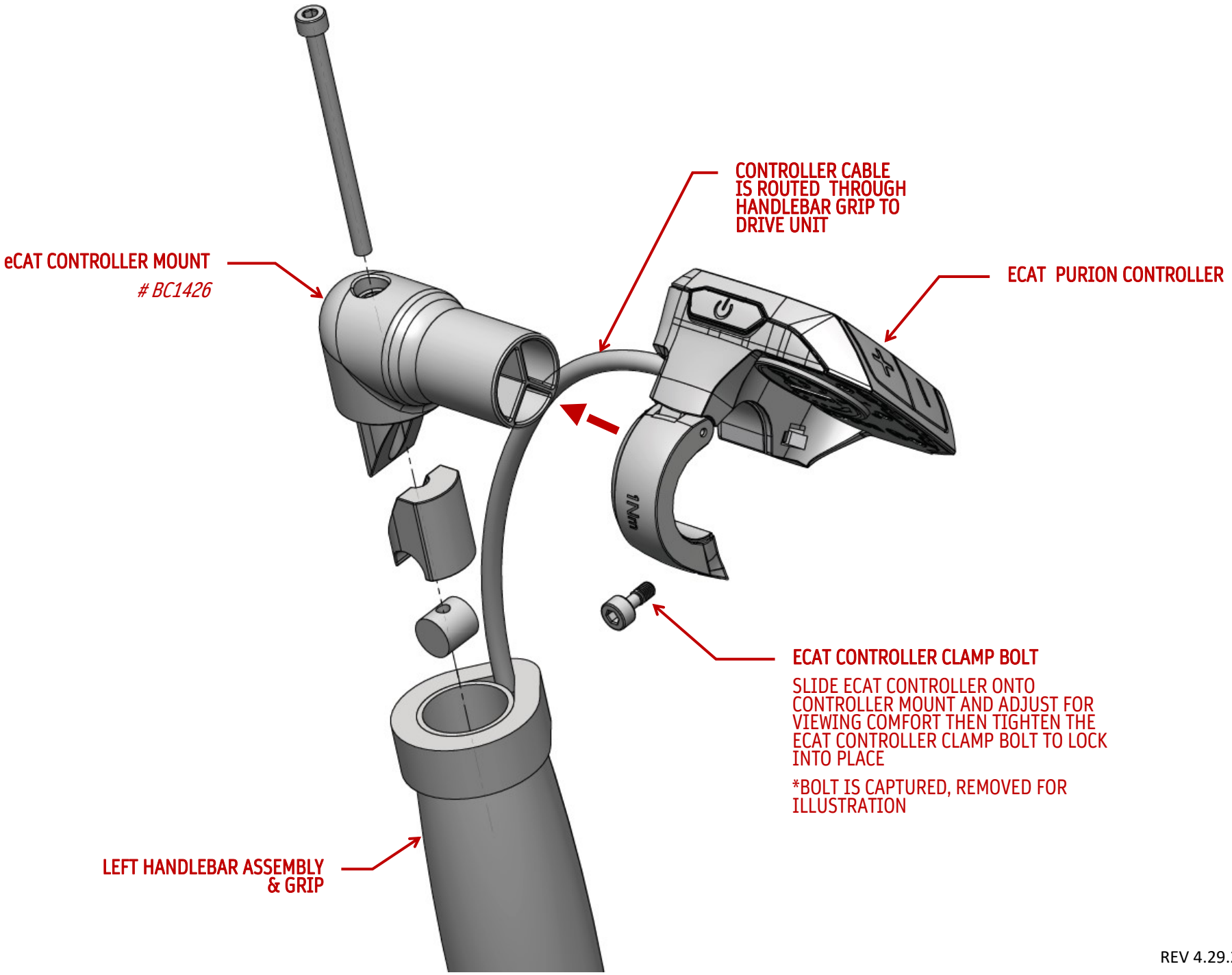




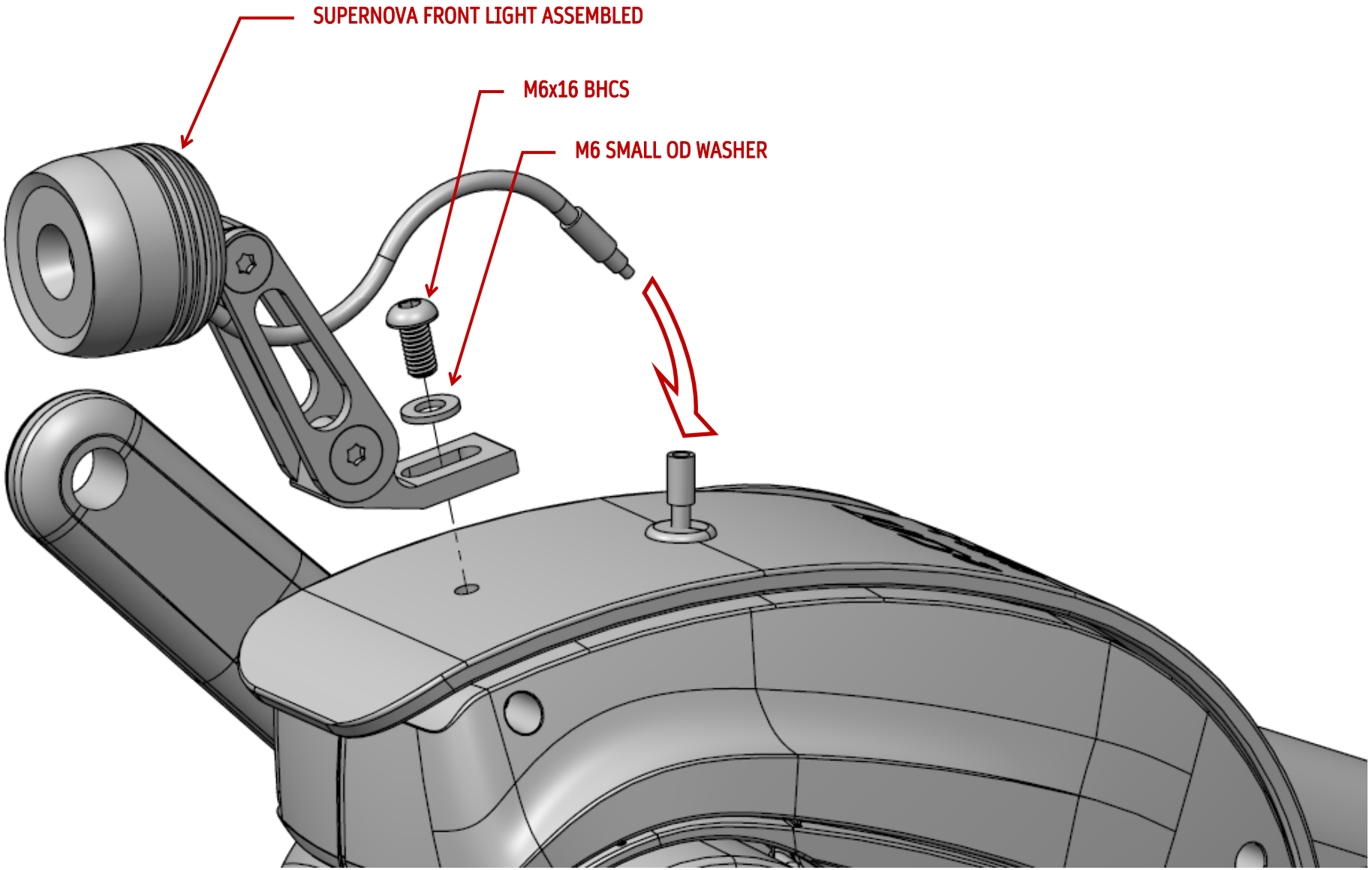
EKIT SPEED SENSOR ASSEMBLY



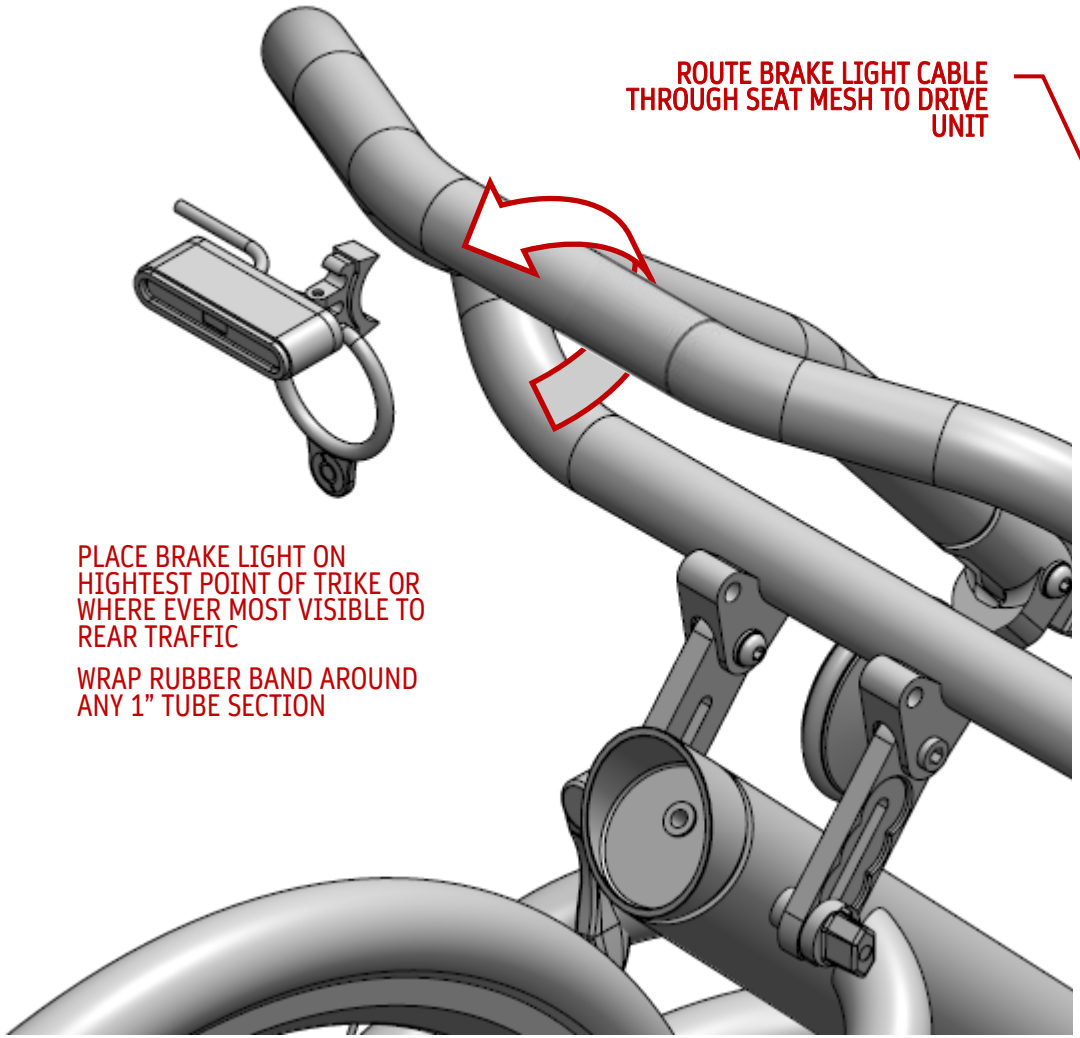
EKIT CONTROLLER ASSEMBLY

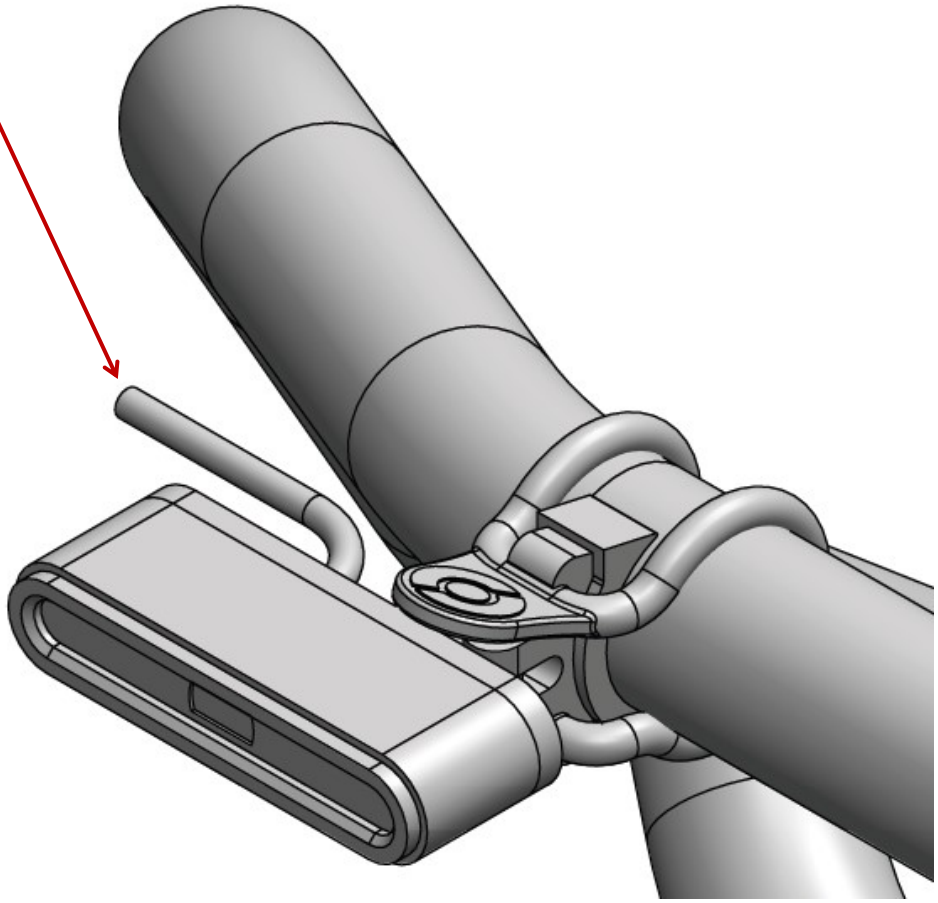


EKIT FRONT LIGHT ASSEMBLY

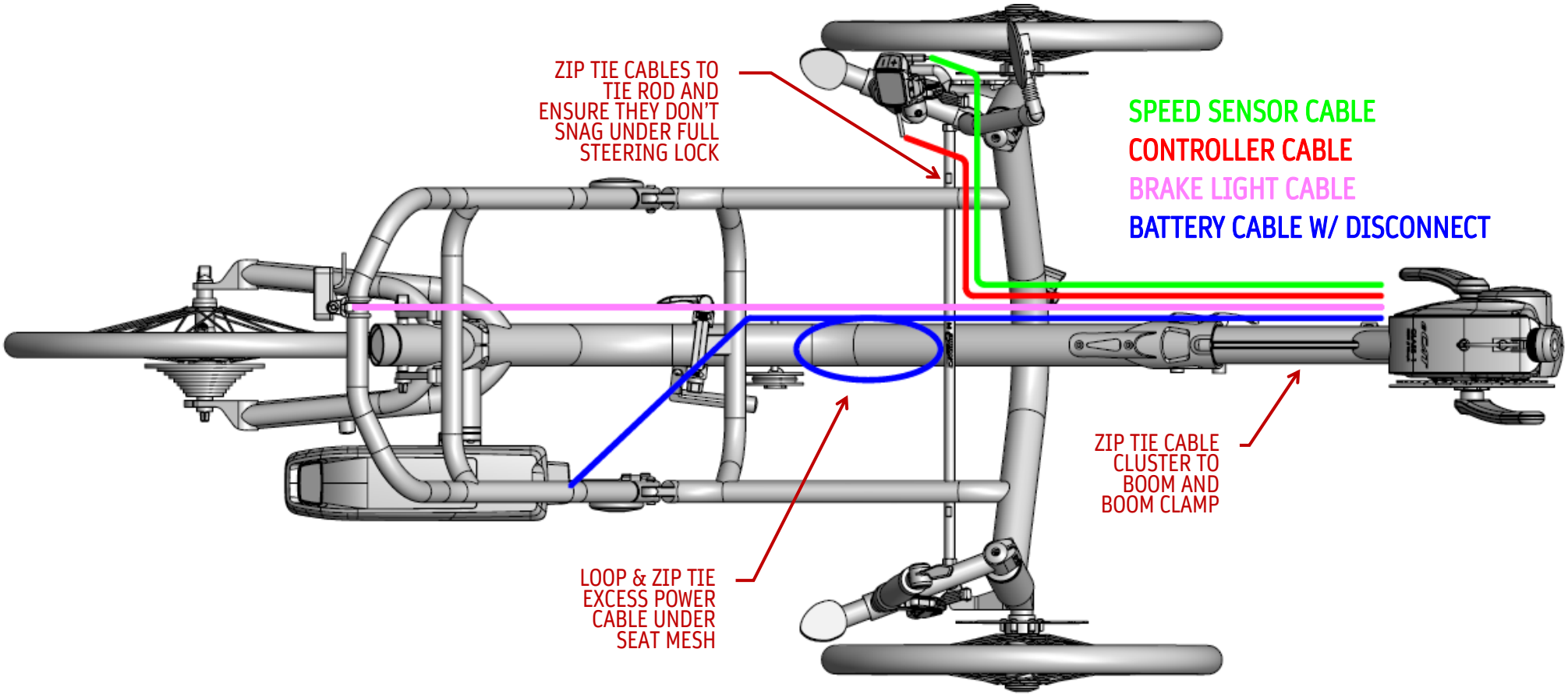


EKIT REAR LIGHT ASSEMBLY

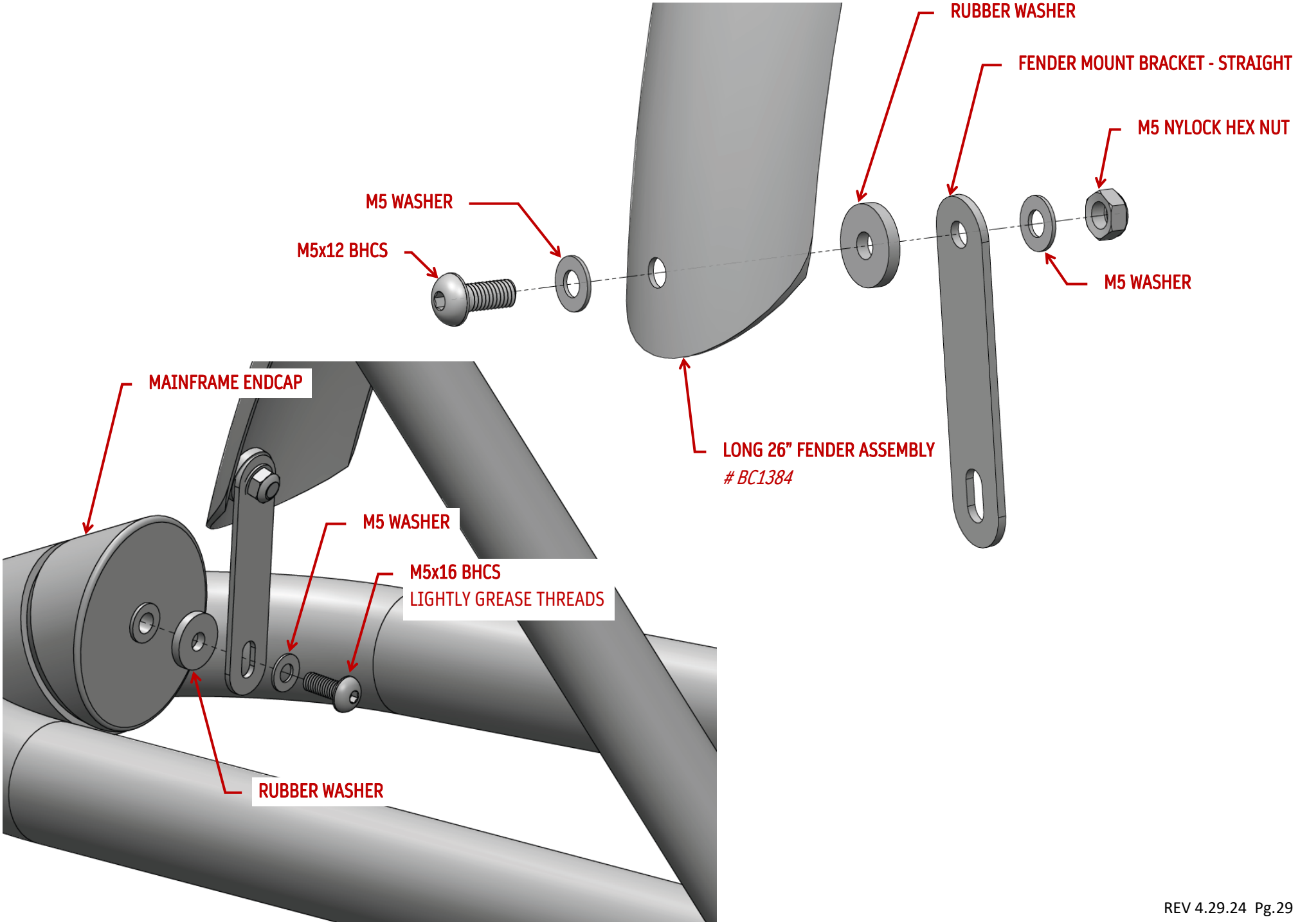




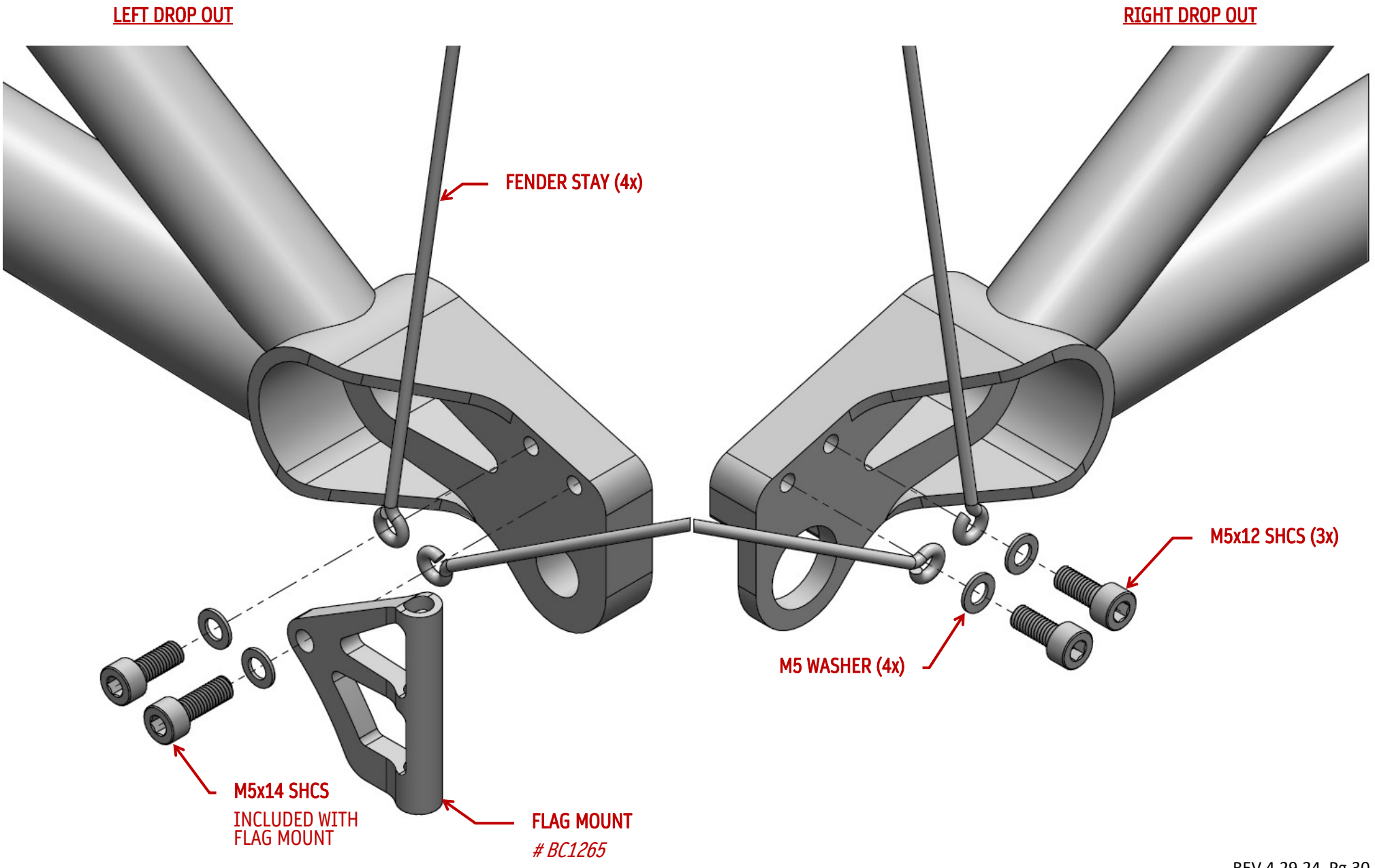
EKIT CABLE ROUTING



FENDER TO FRAME INSTALLATION



FENDER TO DROP OUT INSTALLATION



FENDER STAYS & FINAL INSTALLATION