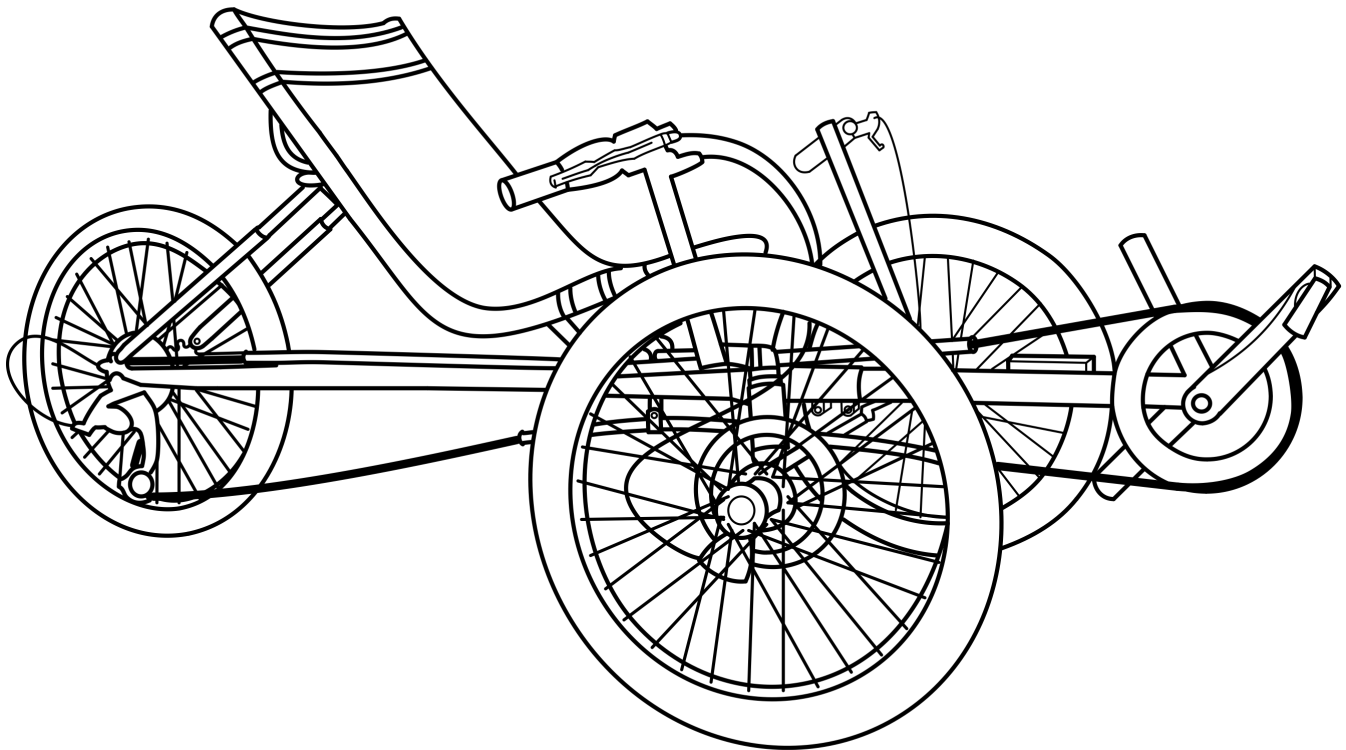




TerraTrike®

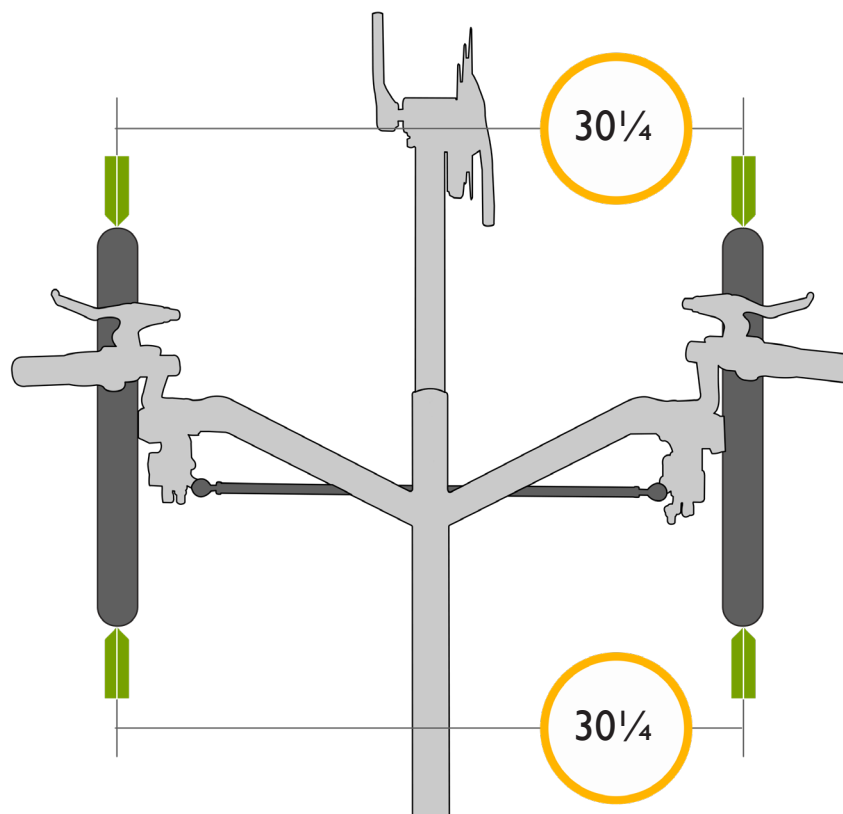


MAVERICK

Build Notes

Alignment

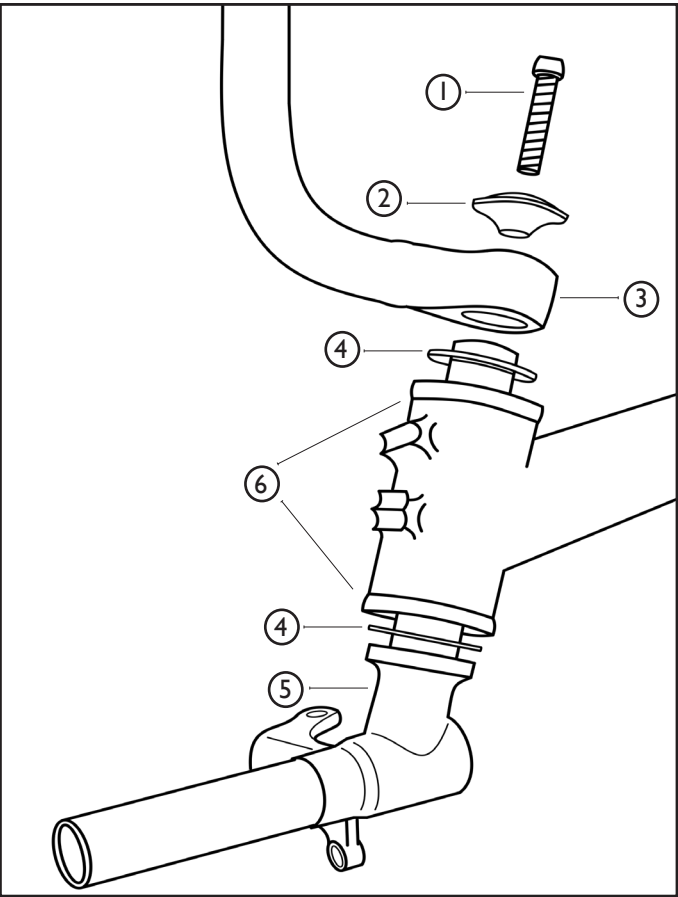
Inflate tires before performing alignment. The Maverick alignment measurement is approximately 30 $\frac{1}{4}$ " (center tread to center tread), though slight variance is possible. Most importantly, make sure the alignment remains neutral with a rider seated in the trike.





Direct Steering Stack Assembly

Assemble the steering stack as shown. Grease the steerer tube before inserting into head tube. Remove any excess grease from steerer tube before installing handlebar. Grease axle before installing wheel. Torque axle bolt to 23-25Nm.



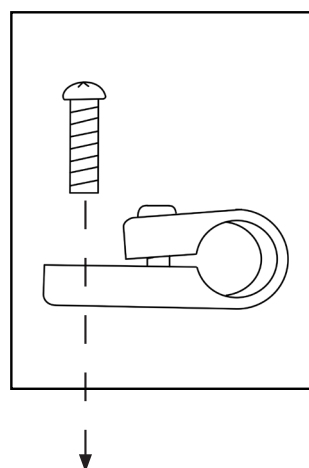
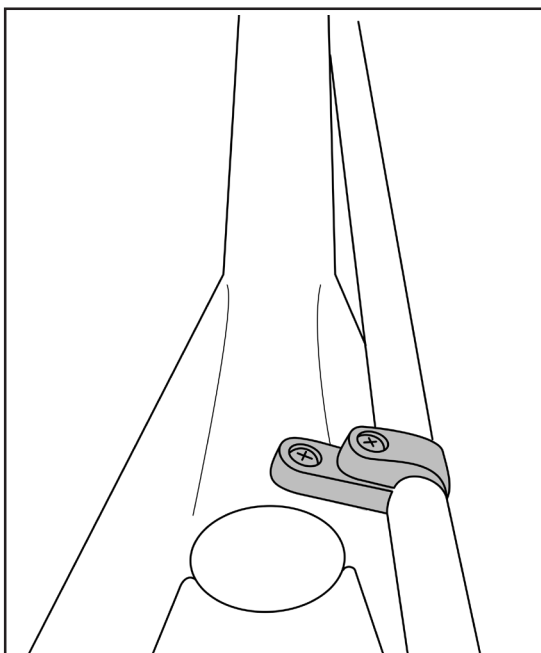
Parts List

1	M6x18 Bolt	TT000415
2	Direct Steer Hubmount Cap	TT000161
3	Twist Handlebar - RH	TT000655
	Twist Handlebar - LH	TT000646
	Twist Handlebar - Pair	TT000271
	M6x16 Bolt (not pictured)	TT000294
4	M20 Washer	TT000254
5	Direct Steer Hubmount - RH	TT000828
	Direct Steer Hubmount - LH	TT000829
	Direct Steer Hubmount - Pair	TT000653
6	Bushings (pre-installed)	TT000809

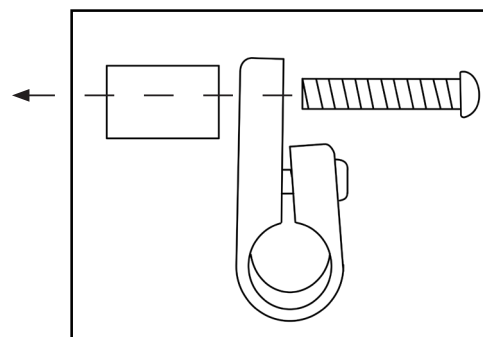
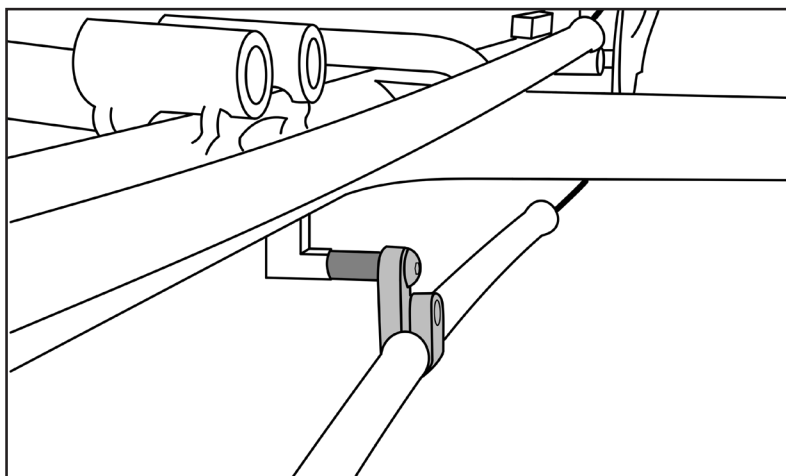
Chain Tube Setup

Mount the chain tube assemblies as shown below. Ensure the chain tubes do not rotate in the clamps after tightening the pinch bolts.

Upper:



Lower:

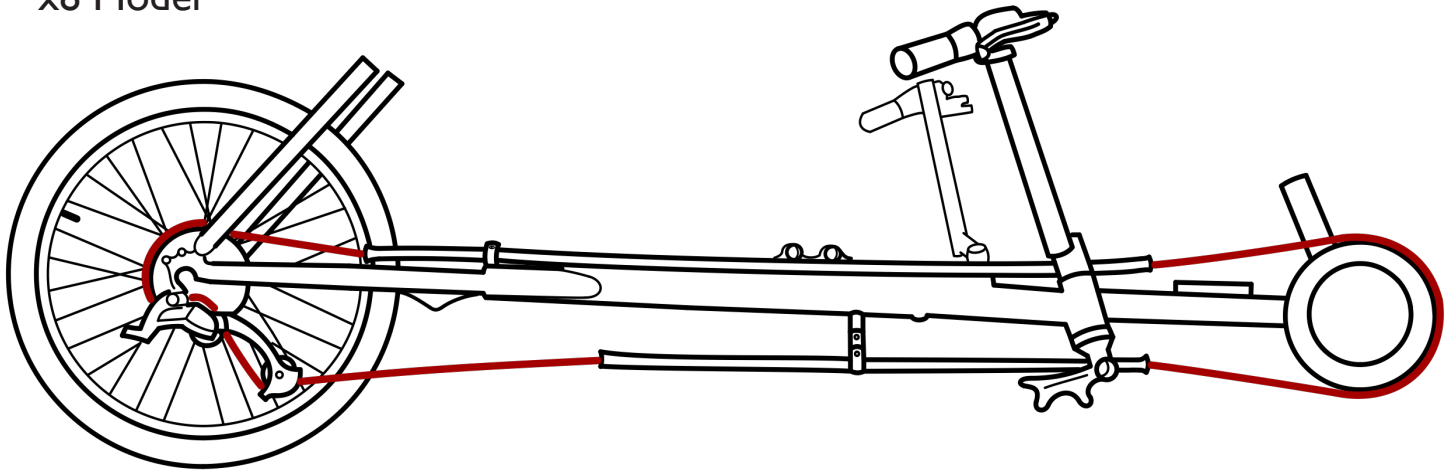


Parts List

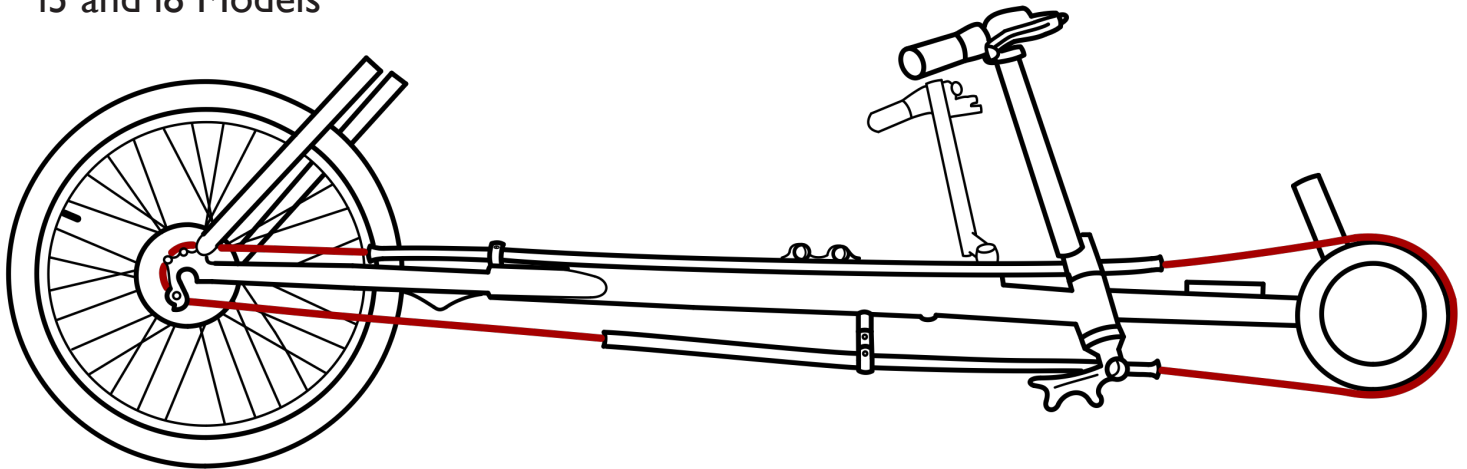
Upper Assy.	Chain Tube, 102cm LDPE	TT000540	1
	Chain Tube Clamp, Rov/Ram/Mav	TT000152	1
	M5x18 Pan Head (phillips) SS	N/A	2
Lower Assy.	Chain Tube, 56cm LDPE	TT000548	1
	Chain Tube Clamp, Traveler	TT000422	1
	Spacer, 20mm L, 8mm AD x 10mm OD	TT000123	1
	M5x18 Pan Head (Phillips) SS	N/A	1
	M8x40mm BHCS SS	TT000278	1

Chain Routing

x8 Model

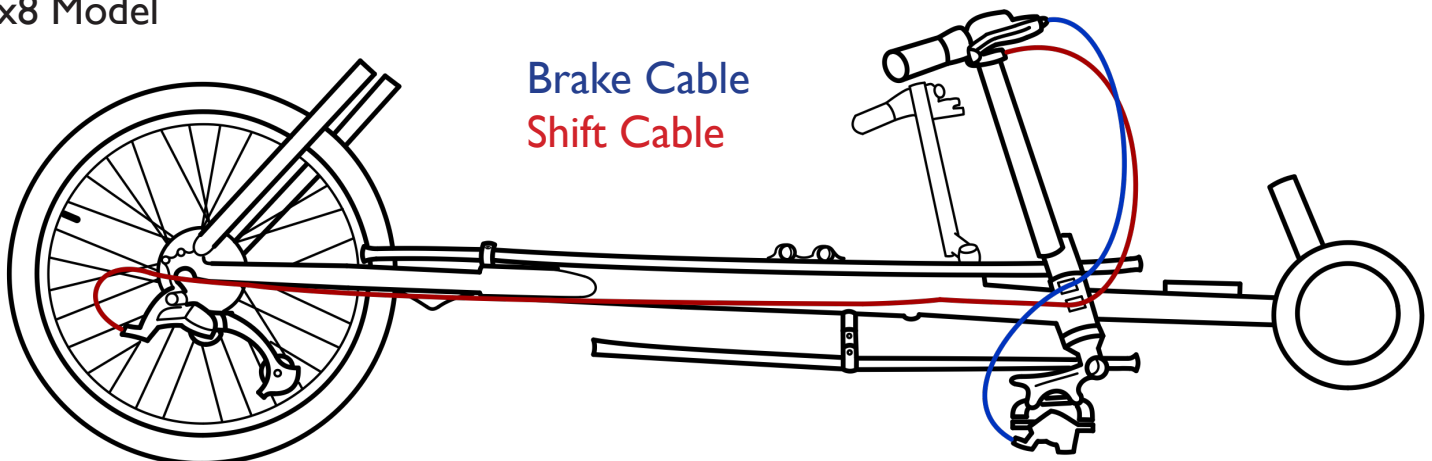


i3 and i8 Models

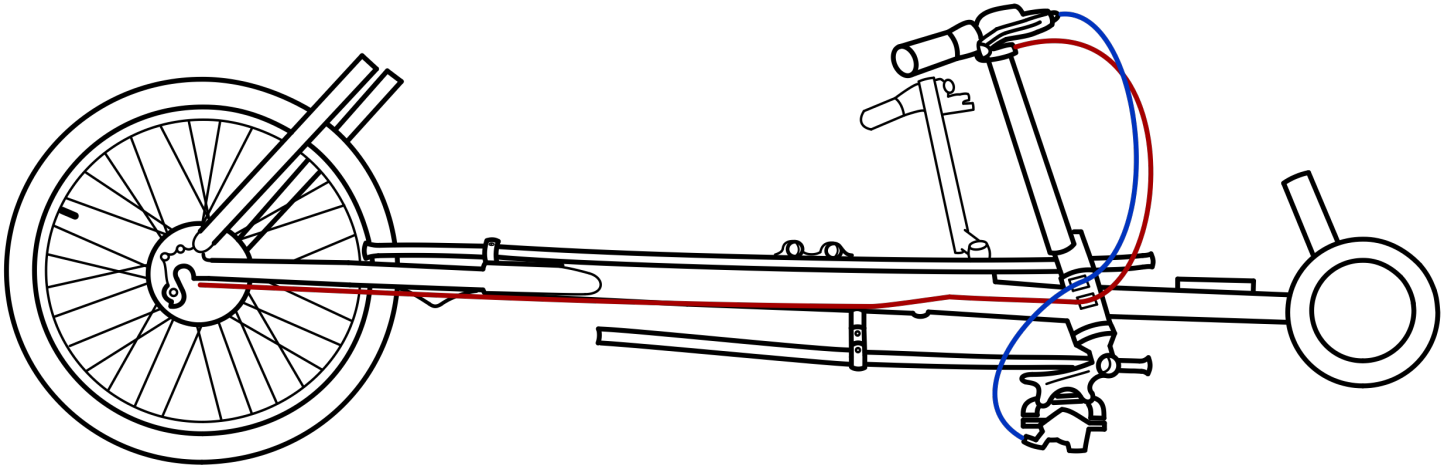


Cable Routing RH

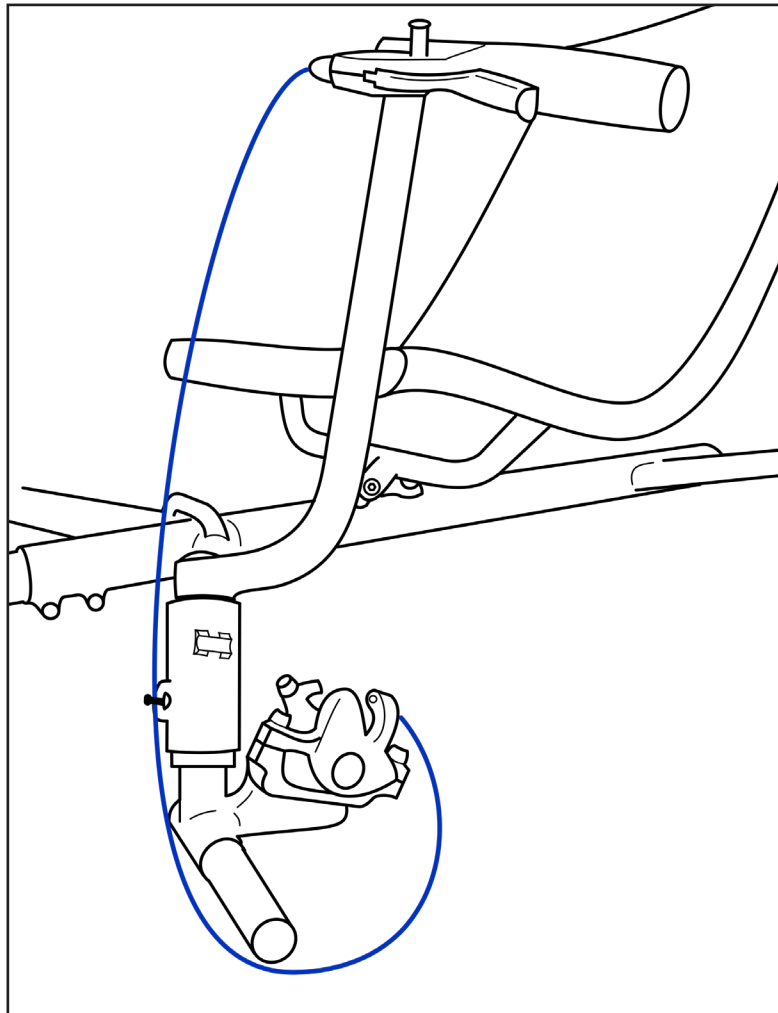
x8 Model



i3 and i8 Models

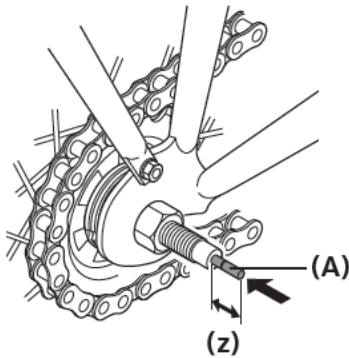


Cable Routing LH (applies to all models)



i3 Bell Crank Installation (Refer to Shimano Dealer Manual DM-SG0005-02)

1



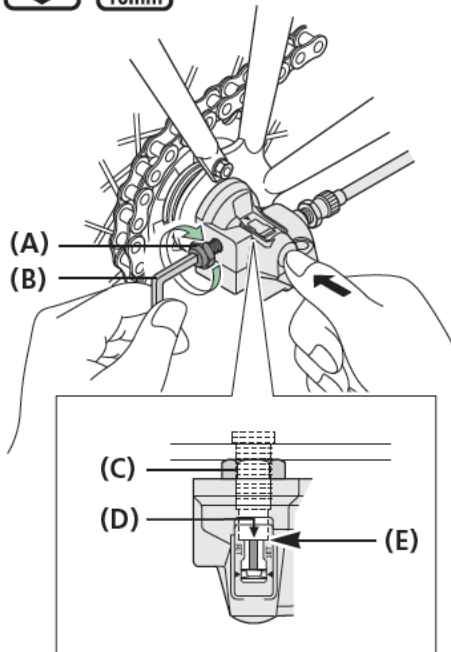
Insert the push rod (A) into the hub axle.

(z) About 14 mm

The push rod should protrude about 14 mm from the end face of the hub axle.

(A) Push rod

2



While pushing the bell crank into the hub axle, align the serrations inside the bell crank with the hub nut (C), and continue push until the crank comes into contact with the end face (E) of the hub axle.

While keeping the parts in this position, tighten the bell crank fixing bolt (A) onto the hub axle.

Make sure that the edge (D) of the window is aligned with the end face of the hub axle.

(A) Bell crank fixing bolt

(B) 5 mm hexagon wrench or 10 mm spanner

(C) Hub nut

(D) Edge of the window

(E) End face of the hub axle

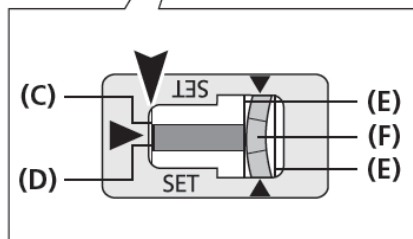
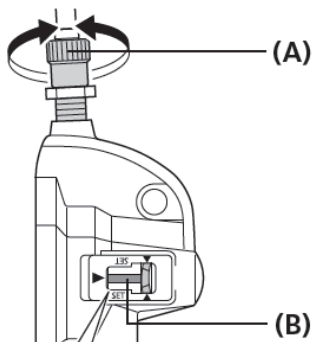
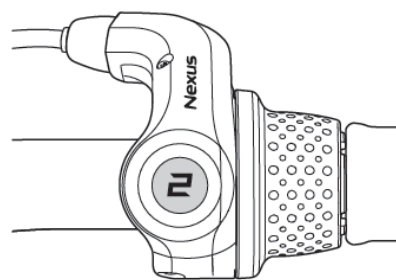
Tightening torque



3 - 5 N·m

i3 Bell Crank Adjustment (Refer to Shimano Dealer Manual DM-SG0005-02)

1



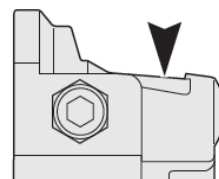
Set the REVOSHIFT lever to 2.

Next, turn the cable adjustment barrel (A) to align the red line (D) on the push rod with the end (C) of the hub axle.

- (A) Cable adjustment barrel
- (B) Push rod
- (C) End of the hub
- (D) Red line on the push rod
- (E) Yellow lines
- (F) Yellow part of the link

NOTICE

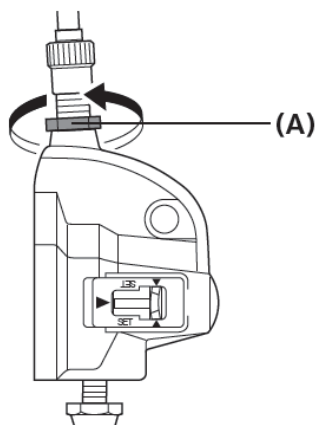
During adjustment, check the two yellow lines through the window from above.



2

While turning the crank, move the REVOSHIFT lever from 3 to 1 then back to 3. Repeat this two or three times and check to see that the gears are being shifted. Move the REVOSHIFT lever from 1 to 2 again and make sure that the red line on the push rod is aligned with the end of the hub axle. If they are not aligned, perform readjustment.

3



After adjusting the bell crank IV, fix the cable adjustment barrel with the cable adjustment nut (A).

- (A) Cable adjustment nut

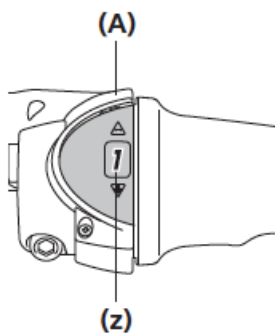
Tightening torque



1.5 - 2.5 N·m

i8 Cassette Joint Installation (Refer to Shimano Dealer Manual DM-CASG001-00)

2

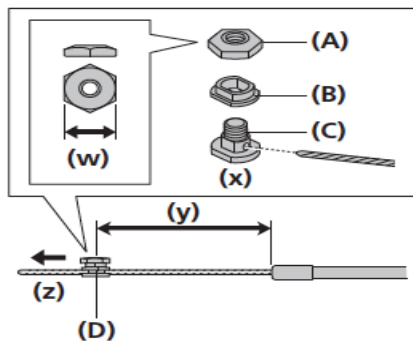


Set the REVOSHIFT lever to 1.

(z) Set to 1

(A) REVOSHIFT lever

3



After checking that the end of the outer casing is securely set in the cable adjustment barrel of the REVOSHIFT lever, attach the inner cable mounting bolt unit to the inner cable.

(w) 10mm

(x) Pass the inner cable through the hole.

(y) 101mm

(z) Pull the inner cable when securing.

(A) Inner cable mounting nut (Black)

(B) Inner cable mounting washer (Silver)

(C) Inner cable mounting bolt (Silver)

(D) Inner cable mounting bolt unit

Tightening torque



3.5 - 5.5 N·m

NOTE

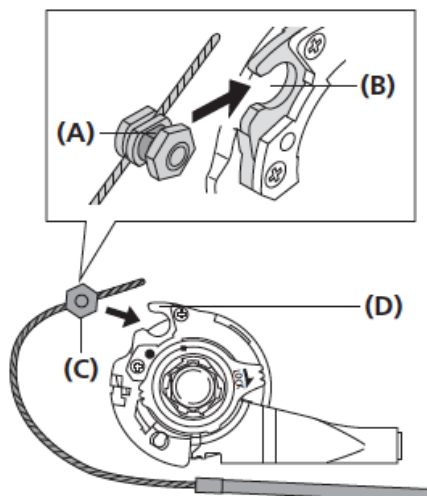
- This inner cable mounting bolt unit is designed only for CJ-NX10, CJ-NX40, CJ-8S20, and CJ-8S40. 11-speed mounting bolt units cannot be used.
- The tool is shipped ready to be used for CJ-NX10 and CJ-8S20.
- When installing the inner cable mounting bolt unit, use the setting tool TL-CJ40 (Y70898020).
- For CJ-NX10 and CJ-8S20, use the front side of TL-CJ40.

Front side of TL-CJ40



Nut fitting

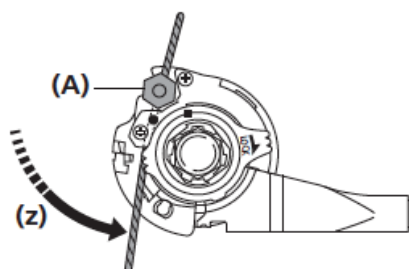
4



Bring the cable around to the cassette joint pulley, hold it so that the inner cable fixing nut is facing outwards (towards the fork end), and then slide the flats part of the inner cable fixing washer into the gap in the pulley.

- (A) Flats part of inner cable fixing washer
- (B) Gap in pulley
- (C) Inner cable fixing nut
- (D) Pulley

5

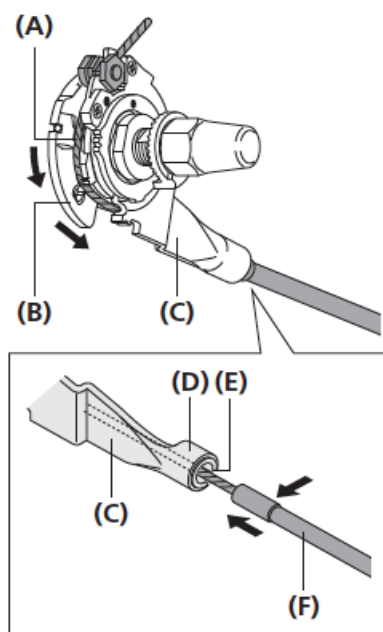


Turn the cable 60° counterclockwise and attach it to the hook.

- (z) Turn the cable 60°

- (A) Hook

6

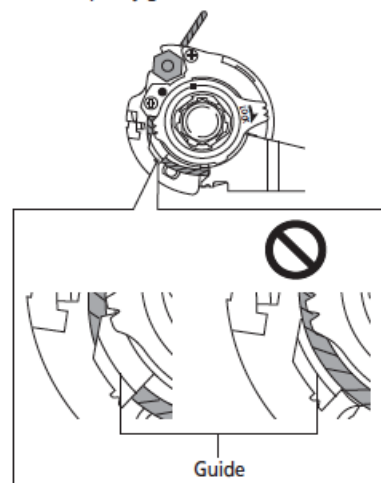


Attach the inner cable to the pulley as shown in the illustration, pass the inner cable through the slit in the bracket, and then insert the end of the outer casing securely into the outer casing holder.

- (A) Inner cable
- (B) Pulley
- (C) Bracket
- (D) Outer casing holder
- (E) Slit
- (F) Outer casing

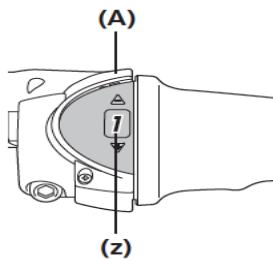
NOTE

Check that the inner cable is correctly seated inside the pulley guide.



i8 Cassette Joint Adjustment (Refer to Shimano Dealer Manual DM-CASG001-00)

1

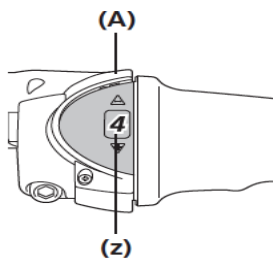


Set the REVOSHIFT lever to 1.

(z) Set to 1

(A) REVOSHIFT lever

2



Set the REVOSHIFT lever as shown in the illustration.

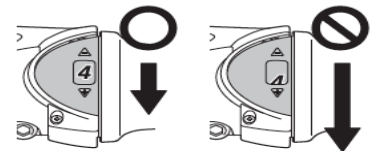
(z) Set to 4

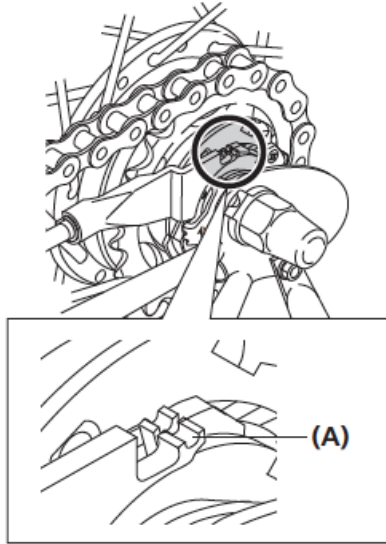
(A) REVOSHIFT lever

NOTE

When setting, do so gradually and with minimal force so as to avoid over-shifting.

If you over-shift, the setting line will not return to the proper position, and the setting lines may not be aligned at the correct position. (Refer to procedure 3)



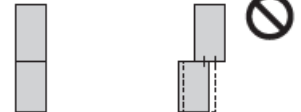


Check that the yellow setting lines on the cassette joint bracket and pulley are aligned with each other.

(A) Yellow setting lines

NOTE

If the overlapping area falls short of two thirds of each setting line, the gears may not be properly engaged during pedaling, resulting in abnormal noise or free spinning of the pedals.

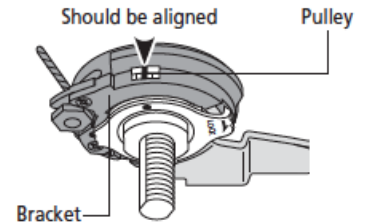


TECH TIPS

The yellow setting lines on the cassette joint are located in two places. Use the one that is easiest to see.

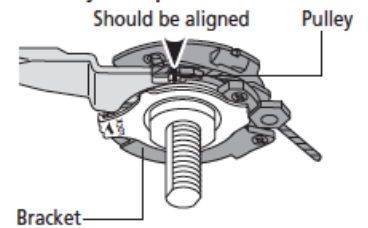
When the bicycle is upright

Should be aligned



When the bicycle is upside down

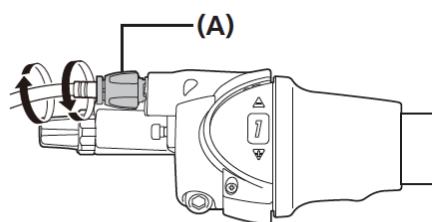
Should be aligned



(Step 3 continued)

If the yellow setting lines are not aligned

3



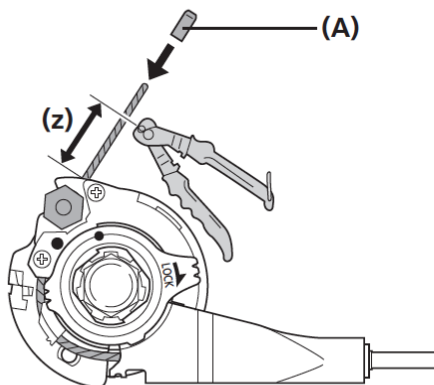
Turn the cable adjustment barrel of the REVOSHIFT lever to align the setting lines.

Again, move the REVOSHIFT lever from X to Y, then back to X, and confirm that the yellow setting lines are aligned.

	X	Y
8-speed	4	1

(A) Cable adjustment barrel

4



After adjusting the cassette joint, cut off the excess length of inner cable.

Next, install the inner end cap.

(z) 15 - 20mm

(A) Inner end cap



TerraTrike®

800.945.9910 | www.TerraTrike.com
4460 40th St. SE | Grand Rapids, MI 49512 USA

