

Quick Release Instructions

Replace the existing quick-release assembly on your bicycle with the Maya Cycle Quick-Release (QR) set as described in the following steps:

- 1) Remove both QR adaptors from the QR skewer.
- 2) Remove the lock wing nuts, steel washers and axle brackets from the standard adaptor assemblies and assemble them on the Maya Cycle QR 'sleeve' and 'nut' adaptors as shown in Figure 1 and 2.

Figure 1 Maya Cycle adaptor assembly

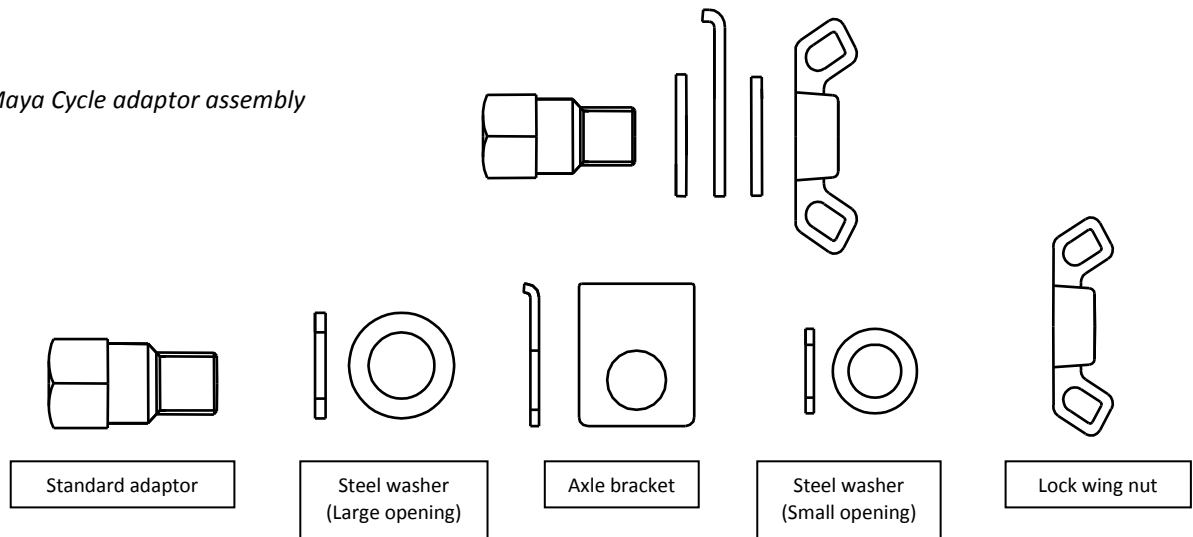
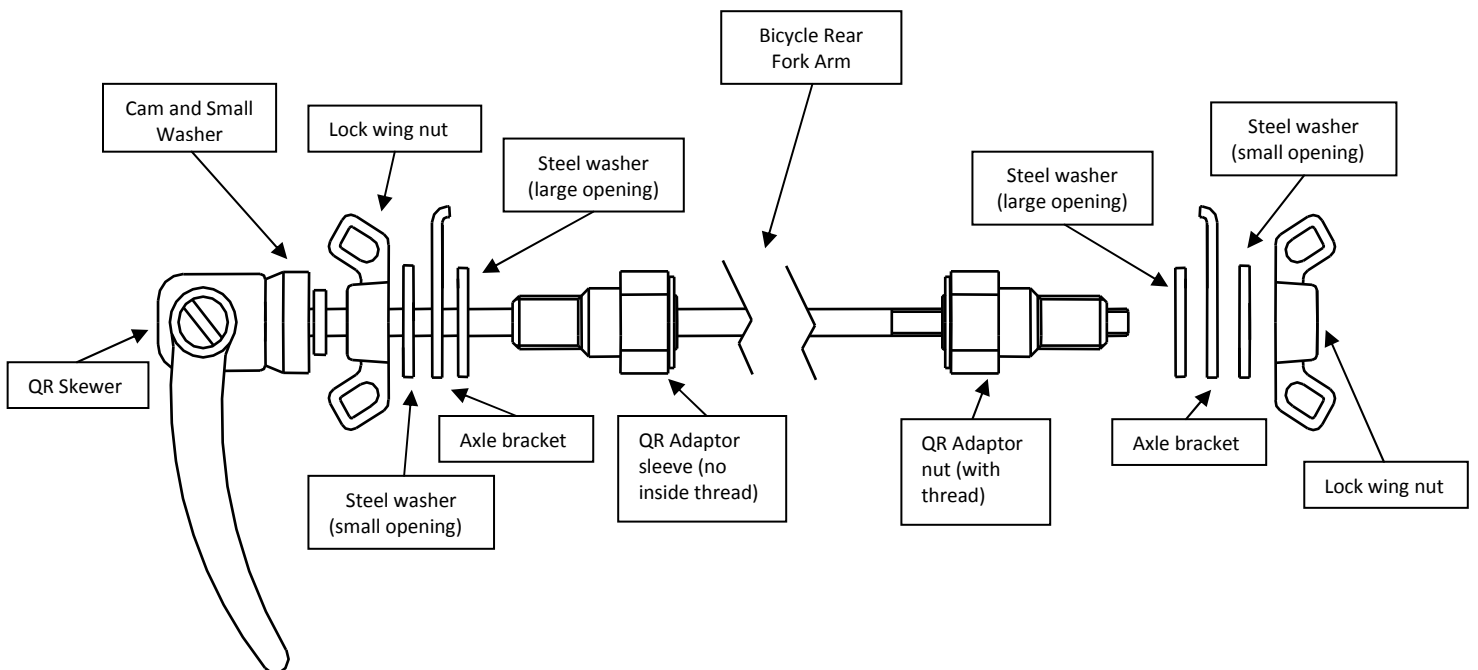


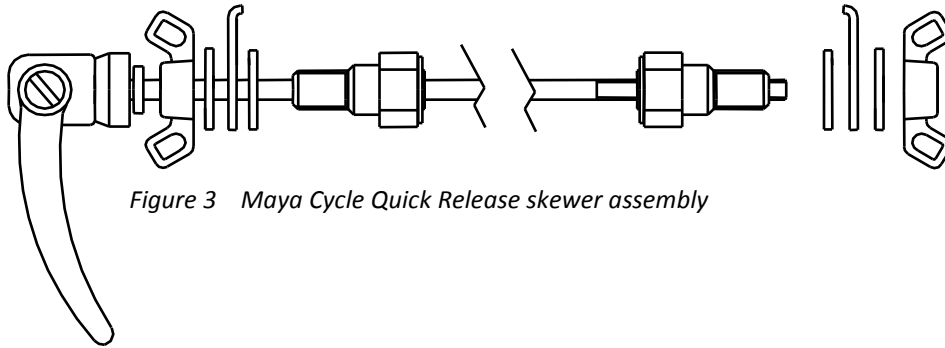
Figure 2 Maya Cycle Quick Release skewer assembly



3) Mount the QR skewer as follows:

Note the QR skewer MUST be assembled with all components or it may not function correctly. Please refer to figure 2 for a visual of the details explained below.

- a) Assure the QR skewer has the 'cam' and small washer that sits within the cam pocket.
- b) Place **fully assembled** QR sleeve adaptor (no thread inside), with all components as per Figure 1 onto the QR skewer (wing nut out).
- c) If required, place one spring from your bike's original skewer on the new skewer, large side closest to the bike's centerline.
- d) Insert the QR skewer into bicycle wheel axle while it is in place within the bicycle's rear fork arm dropout.
- e) If required, place the second spring from your bicycle's original skewer on the Maya Cycle QR skewer, large side closest to the bike's centerline.
- f) Screw on the QR nut adaptor (with thread inside).



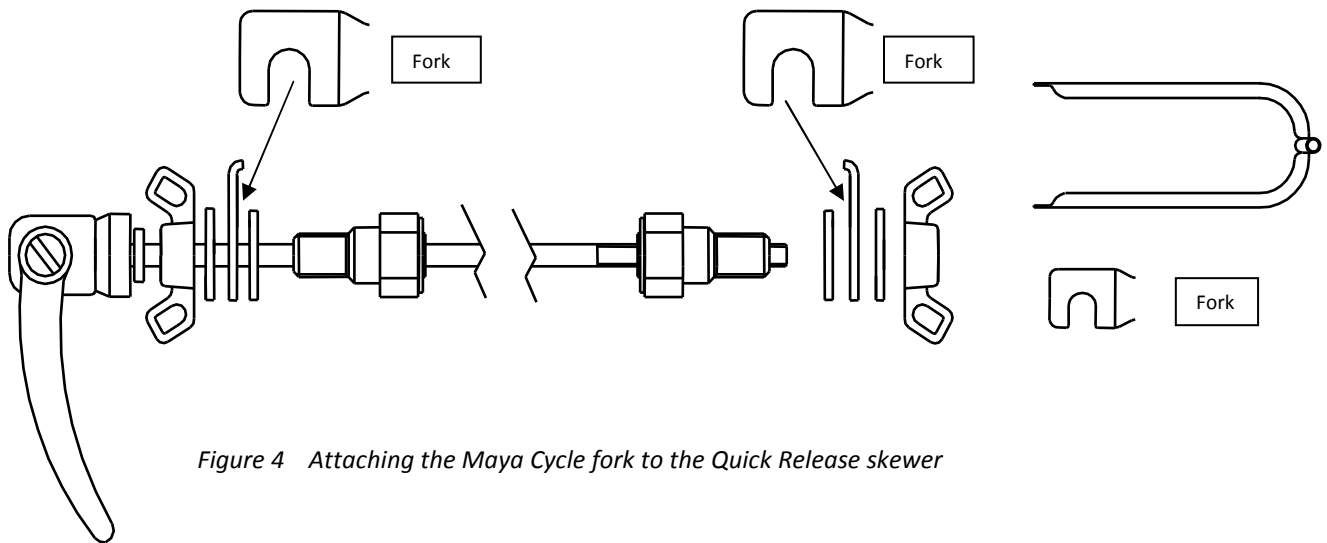
- g) Make sure the left side (QR lever side) wing nut is on the sleeve adaptor well enough to not interfere with the cam and small washer. The wing nut must not hang over the end of the QR Sleeve.
- h) With the QR skewer lever in OPEN position, tighten the QR adaptor nut until you cannot turn the nut anymore with your fingers (snug against the rim of the bicycle rear fork arm).
- i) Rotate the QR skewer lever to tighten the QR more.
- j) CLOSE the QR skewer lever which tightens the two adaptors right against the bicycle rear fork arm.

NOTE: The QR skewer lever must be closed completely, that is, a closed skewer lever will be at an angle of 90 degrees to the skewer itself. Most cyclists will rotate the skewer so that the lever ends up parallel to the bicycle's chain stay or fork arm. The QR skewer lever should not close easily. Rotating the QR lever from the Open position to the Closed position, resistance to moving the lever will increase until the resistance caused by the cam is overcome. Then it will decrease slightly in the final 5 – 10 degrees of rotation. This assures the adaptors are tight and the QR will hold in place even with heavy cargo loaded in the trailer. IF you cannot close the lever because it is too difficult, open the QR skewer lever and rotate it a quarter turn left to loosen and try again. The harder it is to close the QR skewer lever, the tighter the adaptors will hold against the bicycle rear fork arm. Before every ride, check and re-tighten the quick release, ensuring the QR and trailer are secure.

- k) Check and confirm the wheel is centered between the brake shoes (spin wheel, check if the tire rubs against the brake shoes).

NOTE: It is assumed that the wheel and rim has been properly trued already.

- 4) In order to attach the fork to the QR skewer assembly, loosen both lock wing nuts a few turns. Position the trailer fork so that each fork dropout sits between the inside washer and the axle bracket. Rotate the axle bracket so that it presses the fork tightly down against the axle. Tighten the lock wing nut.



- 5) Lift the fork up and down. The lock wing nuts should remain stationary while the fork moves up and down smoothly.

Figure 5 Check that the lock wing nuts remain stationary

