

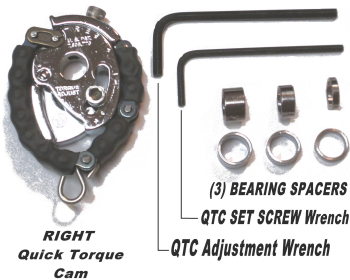


# Eccentric Systems™

## Quick Torque Cam Installation and Adjustment Guide

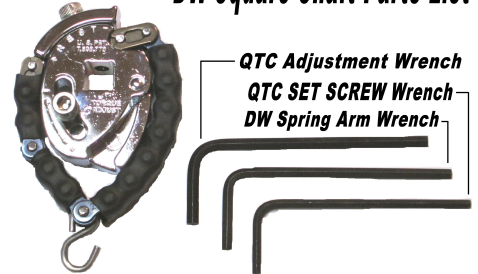
Depending upon your brand; the Quick Torque Cam Package will contain the parts listed below. We've included a DVD with video that provides step by step installation details for several pedals.

### Standard Round Shaft Parts List



### LEFT Quick Torque Cam

### DW Square Shaft Parts List



The Quick Torque Cam will **replace the spring arm** on your pedal. The spring arm is used to adjust the beater stroke, and pull the spring. What ever brand pedal you may have, all spring arms attach with a set screw(s) to the drive shaft in the same way.



Arm On Top View. Arm Off Bottom View.

(1) Loosen and detach the spring, then remove the spring arm and any spacers from your pedal by loosening the set screws. These screws sometimes have **thread locker** applied so should you **not** be able to free the screw; **heat it with a lighter** to loosen the thread locker. If needed, use a **flat screwdriver** between the arm and the bearing to pry the arm loose. (2) Most spring arms also use a large wire clip between the spring and the arm. This wire clip should also be removed, leaving the spring to attach directly to the hook on the Quick Torque Cam. (3) After removing the spring arm, determine how many **spacers are required** to hold the Quick Torque Cam in position over the spring and install them on the shaft against the bearing to hold it in place.

(4) The function of the **torque adjustment** is to delay "when in the stroke" the spring is pulled and by using higher torque to multiply the return force. The torque adjustment of Quick Torque Cam **should be reset** to the suggested initial setting\*\* for your pedal brand before mounting it on to the drive shaft. The settings are from closed at 0% to 100% or fully open. Use the list below to find your suggested initial setting.



(5) **Attaching the Quick Torque Cam** to the drive shaft. Some pedal brands have flat-spots, or dimples, to align the timing of the parts on the driveshaft. For these brands, tighten the set screw of the Quick Torque Cam onto these spots. With other brands using a **totally round shaft**, slide the cam onto the shaft and connect the spring to the hook on the chain of the Quick Torque Cam. Next hold the beater at your desired stroke angle, then tighten the Quick Torque Cam set screw at the "top" 12,O'clock position. **Beater angle adjustments** are changed using the slide clip.

**For Double Pedals** the Quick Torque Cams are marked **L** and **R** for Left and Right. The Quick Torque Cam pictured is a right cam; the left would be on the opposite side. For best results keep the torque settings similar on the left and right cams.

**Spring Tension Is VERY Important!!** PLEASE reduce your spring tension **AS FAR AS POSSIBLE!!** The increased torque use by the Quick Torque Cam will make the spring tension adjustment very sensitive! Just a few turns will make a very big difference. For fastest response; keep the spring as loose as possible and increase the torque for higher speed before increasing the spring tension. Experimentation is encouraged!

### \*\* Initial Settings By Brand

AXIS@	80%
BIG DOG@	90%
CAMCO@	55%
DW@	55%
dDRUM@	55%
GIBALTAR@	65%

### Your setting may vary...

GRETSCH@	55%	SLINGERLAND@	60%
LUDWIG@	50%	SONOR@	65%
MAPEX@	55%	TAMA@	99%
PACIFIC@	40%	TAYE@	50%
PEARL@	90%	YAMAHA@	70%
PREMIER@	55%		

Please **TIGHTEN ALL THE SCREWS!** WE DO NOT want you to loose a screw or have something loosen up on stage!