

## (1) Remove The Factory Spring Arm.

The spring arm is held on the drive shaft with a SET screw. Some spring arms use a sleeve with set screws. MOST set screws are held on with Thread Locker. If the set screw is hard to turn, HEAT IT and turn the screw while hot. Remove all parts from the end of the drive shaft and remove all clips attached to the spring.

With some pedals you may need to wedge a flat screwdriver between the frame and the spring arm to pry off the arm.

Most drive shafts have a flat side on the top of the shaft for the set screw to tighten on to. In some cases the shaft can be totally round, this type will require positioning later in the assembly.

Remember to save the original parts you removed.



## (2) The Quick Torque Cam

The Quick Torque Cam has THREE Screws using TWO Wrenches. The large wrench is used on the adjustment screws, with the small wrench used ONLY on the SET screw. Tighten the SET screw VERY TIGHT and for best results USE THREAD LOCKER on the SET screw.

**HIDDEN**  
Set Screw



(3) BEARING SPACERS  
(Not used on DW Pedals)

To Adjust The BEATER STROKE loosen the screw and reposition the sliding clip.

Suggested Torque%

Axis	70%	JoJo	35%
Big Dog	90%	PDP/Concept	40%
Camco	55%	Pearl	60-90%
DW	45%	Premier	55%
dDrum	45%	Slingerland	50%
Gibraltar	70%	Sonor	65%
Gretsch	50%	Tama	90-100%
Ludwig	50%	Taye	50%
Mapex	55%	Yamaha	70%

## (3) Installing The Quick Torque Cam

With round shaft pedals, install as many spacers as needed to align the Quick Torque Cam over the spring. With some pedals this alignment may cause the spring to tilt at an angle. This will cause no problems, the chain on the Quick Torque Cam will compensate for this. Each Quick Torque Cam is marked Right or Left to go on the right or left side.

Install the cam on the shaft aligning the SET screw to the flat spot on the shaft. If the shaft on your pedal does not have a flat spot, attach the spring to the hook of the Quick Torque Cam and hold the beater in the proper STROKE position BEFORE tightening the set screw to the shaft. The SET screw must be tightened VERY firmly and the use of THREAD LOCKER on the set screw is STRONGLY Recommended.



## (4) Adjusting The Spring

The Quick Torque Cam changes HOW the return spring works and is adjusted. To work properly the spring tension must be as LOOSE as possible and only tight enough to hold the pedal at rest.

To ADJUST the speed and "feel" of the pedal, use the TORQUE ADJUSTMENT.

The Torque Adjustment works by closing the cam (-) for a lighter easier stroke or by opening the cam (+) to increase the torque and return speed. The suggested torque settings are listed by brand, but adjusting the torque setting once or twice will let you feel how the torque change works and finding your own personal setting will happen quickly. Keep Your Spring Tension loose because even one or two turns WILL make a VERY big difference.

Right  
Cam  
80%  
Open



Left  
DW  
Cam  
40%  
Open

