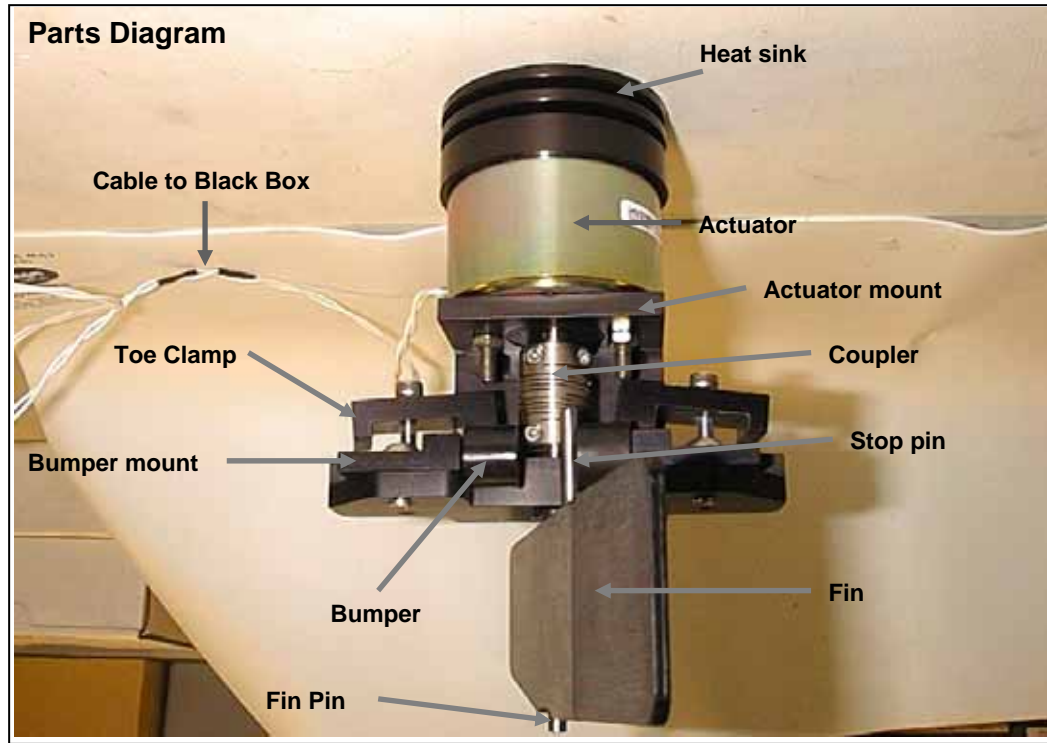


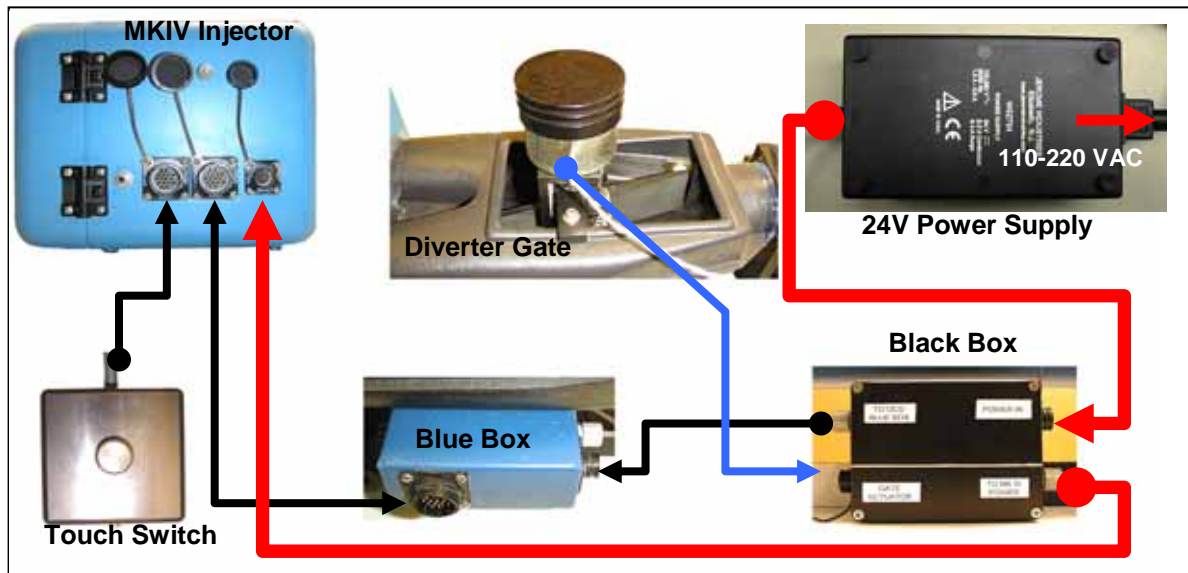


Attaching the MKIV QCD Diverter Assembly

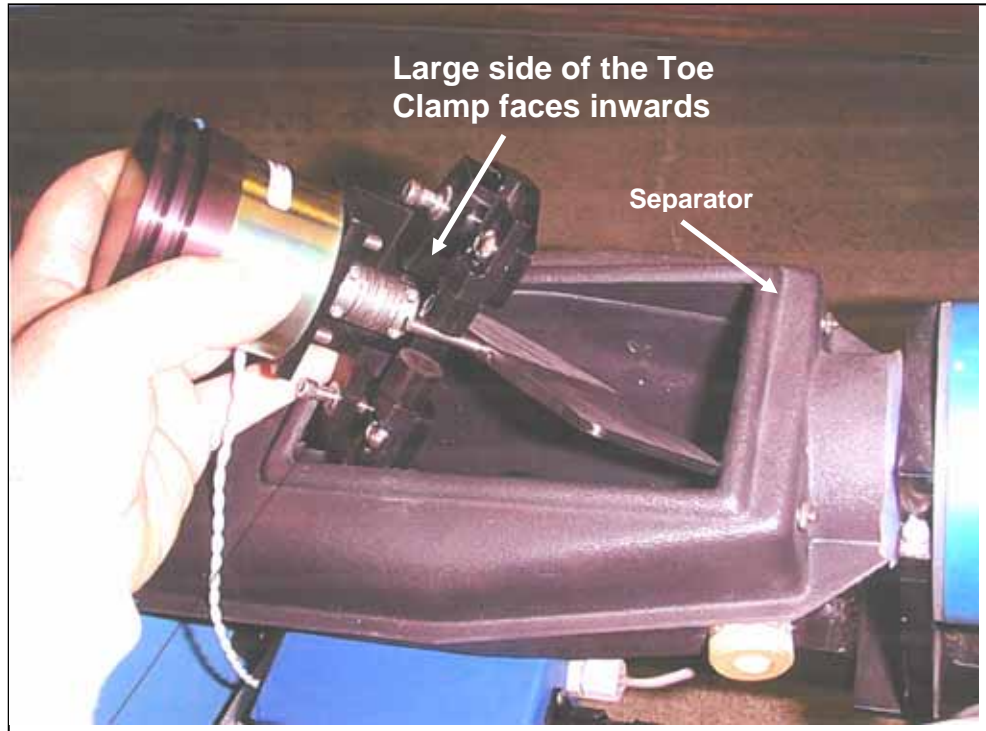
Technical Note TNC04



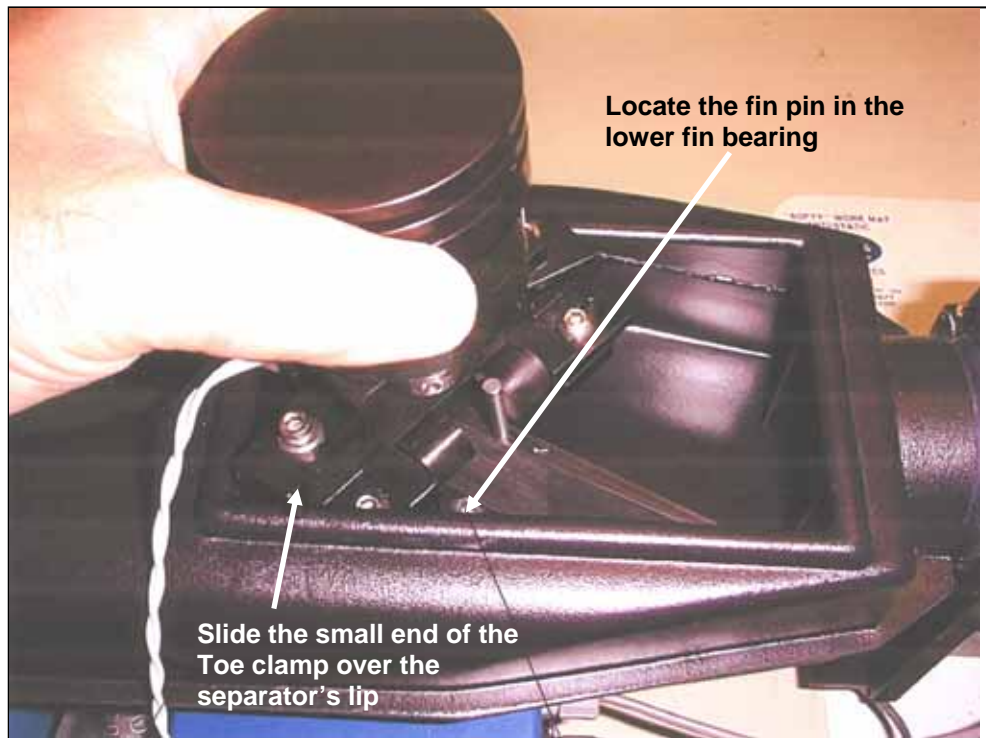
Plugging in your mechanical diverter assembly:



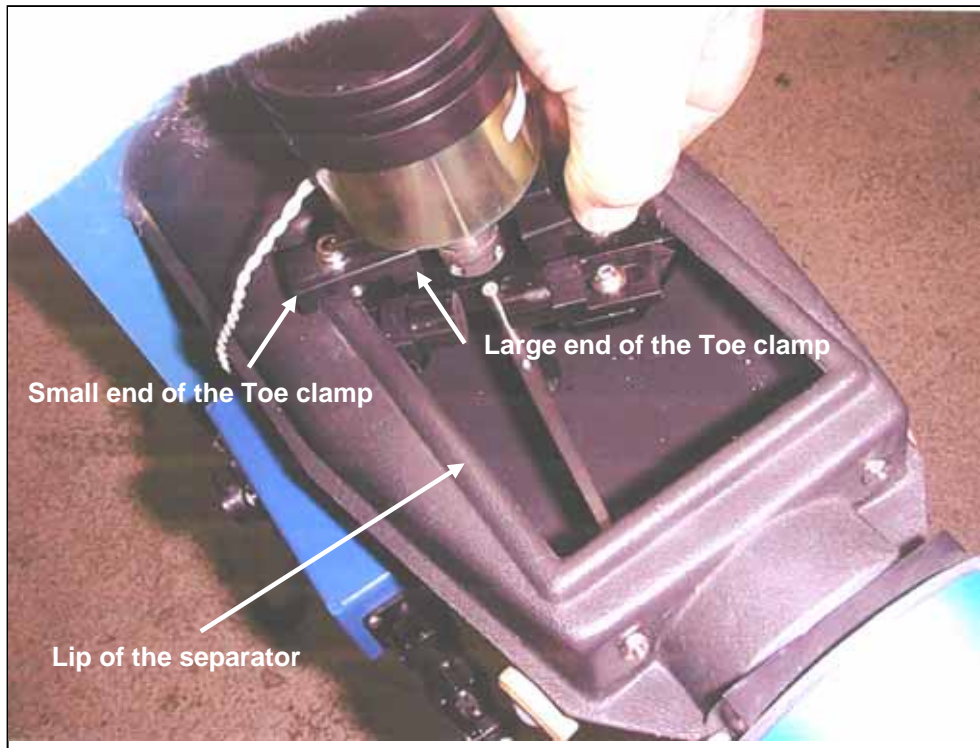
1. With the Toe Clamp bolts loose, rotate the diverter fin over to one side or the other as far as it will go. Tip the long end of the fin down and put it into the separator section first.



2. Slide the Toe clamp over the separator and line-up the Fin pin on the diverter assembly with the Fin bearing (rivet-shaped) in the separator section.



3. Rotate the other toe-clamp end into position. The diverter assembly should now have both of the toe-clamps over the plastic, and the mount under the plastic. Ensure that the “small” end of the toe clamp goes all the way over the lip, or riser in the plastic of the separator.



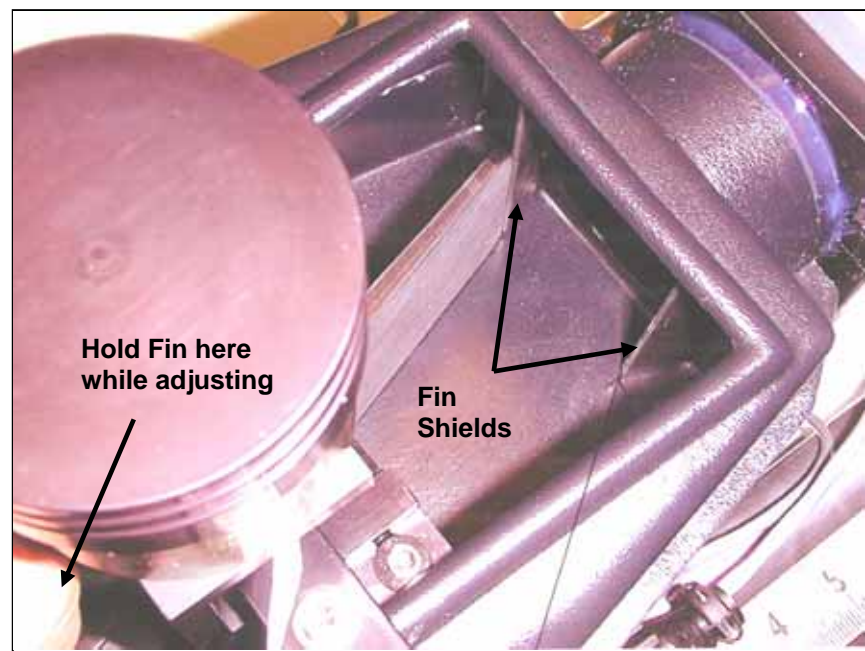
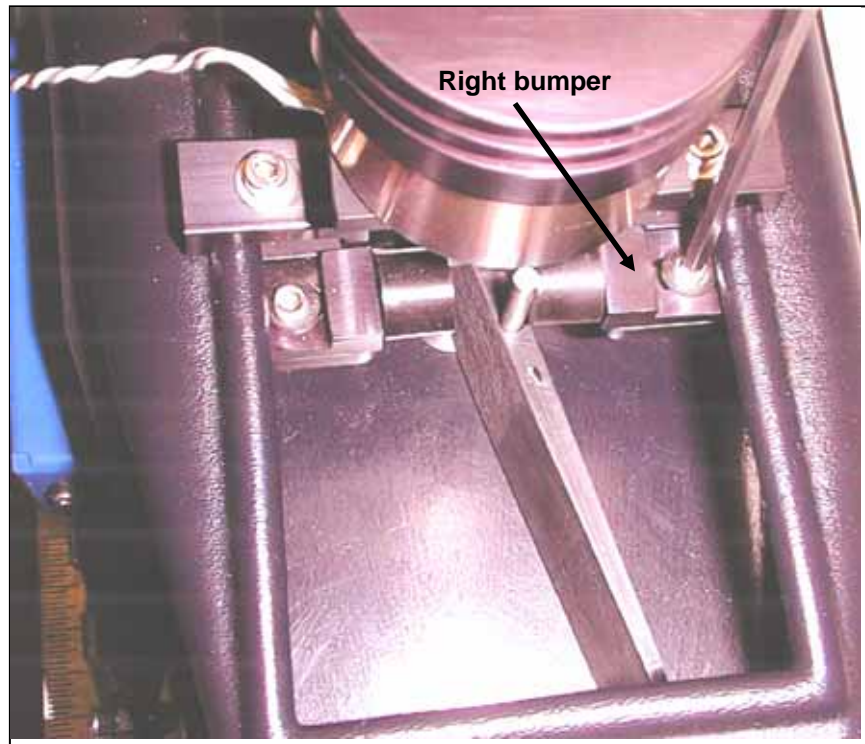
4. Tighten the two toe clamps down evenly – a little on one side followed by a little on the other side until the diverter gate assembly feels secure.



5. Make sure the fin moves freely. If the fin is not moving freely then readjust the position of the diverter assembly.



6. Set the right hand bumper stop so that the fin tip is flush with the Fin Shields. Hold the Fin in position while tightening the bumper. This will be the at rest position (no tag present).



7. Move the Fin to the other side (left) and adjust the left bumper so the Fin's tip is flush with its respective Fin Shield (tag present).



8. Plug the actuator into the black box. Plug the power supply to the black box (**NOTE: it must be a 24VDC power supply**). Plug the black box to the QCD blue box and the MKIV injector. To test the QCD Diverter gate and that the Fin is properly adjusted turn on the MKIV, press [SHOW], and then press [STEP] a few times.

