

Introduction

This application note describes how to convert a 3-position rotary switch (e.g. our #RS3POS) into a 2-position rotary switch. Such a switch could be used as a CTC switch lever in conjunction with the Rix Products CTC knob and lever kit (#R628-61). Once the conversion is made you'll have a 2-position lever with the proper 60° throw between positions; a perfect match for the CTC plate markings. The following items are needed:

- 3 position rotary switch (#RS3POS)
- Switch Detent Cover (#TOMARUPDT52) [Note: each package contains 6 covers; each cover will be cut in half so you can do 12 switch conversions with one package!]
- Soldering equipment as described in the Tomar (Utah Pacific) Switch Detent Cover instructions

Preparing the Switch Detent Cover

For this switch conversion process, each switch detent cover must be cut in half. Use a pair of diagonal cutters to carefully cut one cover in half. What you'll be left with is the single detent filler which is necessary for this conversion. The resulting "half cover" is shown in the middle of the picture below.



Unmodified switch

½ switch detent cover

Modified switch

Next you will need to carefully file the edges of the "half cover" so that the ball in the switch glides easily over it once it is soldered in. Refer to the Switch Detent Cover instruction sheet for details on preparing the switch and soldering the cover to it. Before soldering it in, you'll want to hold the cover in place and test the switch movement. It may be necessary to file the top (flat) portion of the cover as well.

Technical Support

If you need further assistance with this application please do not hesitate to contact us by phone, mail and email; our contact information can be found on the top of the page.