



Sensors & Controls Division

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Bourns Rep District Sales Managers  
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Americas Sales Team  
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## Bourns® Sensors & Controls Product Line Announces Product Improvements

Bourns® Sensors & Controls Product Line has identified and incorporated design improvements to all precision potentiometer base models, excluding servo styles. The affected models are the 3540S, 3543S, 3545S and 3541H.

The improvements listed below do not affect the *form, fit or function* of the product. No design changes have been made to the contact spring or the ink system of the base model. The purpose of the changes is to improve mechanical locking strength, which should help prevent a loose bushing if the part is subjected to excessive mounting torque. The specific changes are as follows:

- 1) We have added a metal anti-rotation pin to the standard designs. The metal front cover is pierced resulting in a protruding tab that interlocks with a slot cut in the bushing. The pierced hole is filled with epoxy. Visual evidence of the change is the filled hole in the front of the potentiometer. See Figures 1 and 2 below.



Figure 1

Slot in bushing for engagement with tab; shown with cover removed

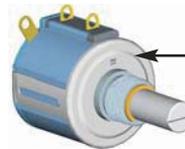


Figure 2

Pierced and filled front cover

- 2) We have increased the bushing plate thickness by approximately three thousandths of an inch. This not only increases the mechanical locking strength, but also helps limit axial play. This change does not affect outside dimensions or the internal operation of the unit.

The changes are part of Bourns commitment to continuously improve the quality of our products. Shipments of the first redesigned products began on February 13, 2004. If you have any further questions please feel free to contact your local representative.

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Bourns® Sensors & Controls