



This angle is steep enough that the force of back dragging, etc. against the slope on the pin pushes the pin out of the slot (like a door pin when it hits the striker plate). If the force is strong enough, the pin will travel back, compressing the spring, enough to release the attachment. The solution is to install a positive stop inside the spring that prevents the pin from backing out far enough to disengage, but at the same time leaves enough slack for the over center handle mechanism to work.