

**Keeney, Mike**

**From:** Zajk, Joseph J  
**Sent:** Monday, December 06, 1999 7:54 PM  
**To:** Cook, Todd D  
**Cc:** Diaz, Danny; Keeney, Mike; Golemboski, Matt R.  
**Subject:** RE: Model 710 Core Issues  
**Importance:** High

Todd,

Here's a quick summary about what we discussed today and the paths we're pursuing:

- Options 1 & 2 are not viable options
- We will investigate options 3 & 4, in particular we need to see if a 700 grip cap, modified to fit in a 710, will still satisfy the requirements for the 700 stock

We are going to do some experimenting and investigation into the option 3 grip cap modification to see if its viable. If so, we will then need to weight the cost of modifying an existing tool vs. building a whole new one. This will require input from Mayfield, Etown and Ilion as to its viability. If you have any insight as to whether this is a good idea, please let me know.

In conclusion, as it stands now, we are only pursuing those options that give us the optimal coring for the 710 stock, with an emphasis on trying to find a modified 700 grip cap geometry that satisfies both 700 & 710 stocks in order to limit the amount of unplanned capital required. Any info on Ilion's grip cap/stock assembly process that you can offer will be of great help, as Ilion's knowledge base might be temporarily somewhat degraded now that Jeff Swanson is no longer with Remington. We will be attempting to gather as much information as we can from Ilion as well.

Joe Z

-----Original Message-----  
**From:** Cook, Todd D  
**Sent:** Friday, December 03, 1999 3:54 PM  
**To:** Zajk, Joseph J  
**Cc:** Diaz, Danny; Keeney, Mike  
**Subject:** Model 710 Core Issues

Joe:

I know that you will be talking about these issues next week early, but I wanted to give you a heads up on the Model 710 core issue. We still have the potential problem of a thin steel condition with the coring as designed. The issue falls out to a number of choices

1. Use the current grip cap and have a steel condition that is not ideal. (The thin area in the mold may occasionally have to be repaired)
2. Use the current grip cap and fix the thin steel condition leading to bad sink problems and part distortion in the grip area. No core would be left in the area where your right hand would grip (for a right handed shooter)
3. Use the current grip cap, but sand off part of it so that both the sink and the thin steel condition in the grip area can be eliminated. (The same thing may be able to be accomplished with a new core or core modification in the existing grip cap mold for slightly more \$ but not as much as new grip cap mold)
4. Build a new mold for a grip cap that is idealized for this application, which reduces the piece cost, but drives up the capital needs.

None of these options is ideal, but I feel certain that with some discussion you can arrive at the one that makes the most sense for your current needs. My advice is option 3 to get started and not cause extra expense. It also seems to be more durable and better for cooling. There are other advantages to the current lay out as well like minimizing sink from the screw bosses for the recoil pad. In short, I think option three is best. You may be able to see issues with it, though. I am sending you some pictures (Mike will

bring them) that show the cores for these options. They are labeled for the options from this E-mail. Hopefully, they will help you see what I was up against. Anyway, if you guys need more info, I will do whatever I can.

Todd

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