

**M/710 Cosmetic Review**

Date: Jan. 14, 1999

Location: Elizabethtown

Attendees: J. Bunting, J. Balio, M. Santillo  
D. Diaz, C. Piccini, M. Keeney

The proposed schedule for the M/710 development projects a limited offering for introduction in the year 2000. To obtain this goal the simultaneous development of the mechanical design, manufacturing processes, and cosmetic attributes will be required. Marketing had previously issued a required feature specification for the M/710, from which a cosmetic prototype was generated. The cosmetic review was an item by item discussion of the cosmetic prototype. The following is a listing of the comments/issues discussed during the review.

Recoil Pad Add use the M/700 ADL Synthetic recoil pad

Grip Cap The size and shape of the M/700 ADL Synthetic grip cap is OK, changed to the logo were requested. Carlo is to draw in color, a gold "R" with a black border, similar to the color scheme of the 11-87 grip cap. The estimated cost is \$62. Jay/John to make final decision, target date for decision is mid April.

Barrel Crown Mountain Rifle crown

Front Sight Add use M/700 ADL Synthetic sight

Barrel Contour Mike Santillo to review current barrel profile with GFM representative, to respond with as close of a profile as possible without requiring a finish turn operation.

Rear Sight Assembly Add use the Spts. 78 rear sight assembly with the addition of visual gradients for the elevation adjustment. Mike Santillo to review with PM to determine potential gradient locations. Jay/John to make final decision.

Receiver Transition to Bolt Plug must be flush or slight step down to Bolt Plug

Ejection port OK

Rollmark to be "Sportsman 710". Font to be determined.

Bolt Handle Round ball style with slight sweep rearward. Mike Keeney to generate samples per sketches generated by Jay/John/Carlo. Intention to stay with screw machine component, inv. casting could increase cost as much as \$1.50 per gun.

Barrel Assembly/Stock Margins .015" maximum, must be uniform.

Sling Swivel Inserts Mike Keeney to test swivel assembly to synthetic stock without threaded brass inserts. Thread swivel stud directly into synthetic.

Bolt Plug Mike Keeney/Carlo to generate rapid prototype samples based on sketches by Jay/John/Carlo.

Safety Button Add use M/700 safety button.

Receiver Insert Radius outside tang corners for potential introduction of a wood stock offering.

Trigger Guard Integral with stock, must be highlighted/textured to contrast with stock, texture close to barrel assembly. Witness line required around trigger guard and rear screw head. Shape to be same as M/700 BDL trigger guard.

Latch Recess in Stock Geometry OK, latch must be easily accessible but recessed.

Latch Finger contact pad OK. internal changes required to 'cover' pivot pin and spring.

Magazine Box Fit to stock OK

Box Bottom Texturing required on finger groove areas. Bottom to remain clean, no logo

Stock Screw Bushings will be required for front two take down screws.

Michael D. Keeney  
Senior Research Engineer

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**Bolt Stop**      To be heat treated PM part. Detent system must produce an audible "snap" when engaged. Detent system cannot wear out.

The items listed in bold lettering (barrel contour, bolt handle, bolt plug) are the three major issues to be resolved. The cosmetic alterations to these components will not affect the functional attributes, therefore test component development will proceed based on the current designs. As the issues described above are resolved, documentation will be transmitted to all attendees.

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