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, changes to the logo were requested. Carlo is to draw in color, a gold "R" with a black boarder, 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. Make 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.

Bolf 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 Trigger Guard

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

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ET35948

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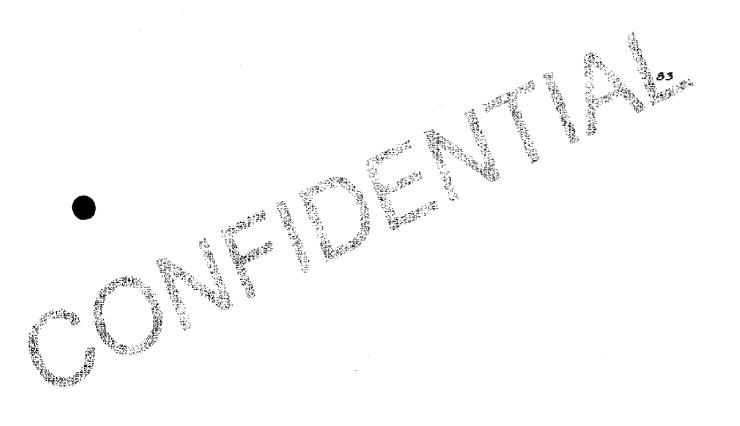
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Bolt Stop

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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