5-29-81

TELEX TO: J.P. GLAS - AO Bldg. - Bridgeport

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A "high-spot" analysis of current M/700 ADL costs and the effects of proposed revisions to the product specifications has been completed based on a list of proposed features provided by Marketing and Research. All costs are stated in current dollars and are based on current labor, material, and burden rates.

Three sets of specifications and a total of 25 revised features were proposed. Detailed processes and project expenditure estimates were not provided. The net cost effect of each feature was estimated relative to current $M / 700 \mathrm{ADL}$ specifications and volume. The estimated factory cost for each proposed set of specifications are summarized in the following table:

|  | Met Cost Effect |  | Proposals |  |
| :---: | :---: | :---: | :---: | :---: |
| Feature | $\text { Aliocation } \frac{\text { Incre }}{\text { mental }}$ | Marketing | Ilion I | Ilion II |
| Present M/700 ADL | - | \$138.62 | \$ 138.62 | \$ 138.62 |
| 1. Cut Checkering | \$6.21 \$3.62 | Yes | Yes | Yes. |
| 2. Open sights | -- -- | No | No | No |
| 3. Delete Open Sights | (5.29) (3.63) | Yes | Yes | Yes |
| 4. Scope Rings | 15.63 12.63 | Yes | No | NO |
| 5. Cast Follower |  | Yes | No | NO |
| 6. Formed Follower | (3.20) (2.51) | No | Yes | Yes. |
| 7. Soft Rubber Butt Pad | Not Evaluated ${ }^{1}$ | No | No | No |
| 8. Stuplified Butt Plate | (.25) (.17) | Yes | Yes | Yes |
| 9. Delete Jeweled Bolt | (.38) (.28) | Ho | Ies | Yes |
| 10. Flain Bolt Hendle | Not Eraluated ${ }^{2}$ | Ho | Yes | Yes |
| 17. Present Bolt Handle | -- -- | Yes | No | NO |
| 12. BDI Floor Plate | 3.90 2.95 | Yes | No. | Yes |
| 13. REW-Finish | -- -- | Yes | No | NO |
| 14. Lacquer Finish | (5.29) (4.26) | Ho | Yes | Yes |
| 15. Monte Carlo | -- -- | Yes | INO | No |
| 16. Cheekpiece | -- -- | Yes | Fo | No |
| 17. Grip Cap | .28 . 19 | Yes | TVO | No |
| 18. "Classic" Style Stock | (.96) (.70) | No | Yes | Yes |
| 19. Swivel Studs | 1.02 . 76 | Yes | No | Yes. |
| 20. Sling | Not Evaluated ${ }^{1}$ | NO | NO | NO |
| 21. Weinut stock | -- -- | Yes | Yes | Yes |
| 22. Alternate Wood | Not Evaluated ${ }^{\text {l }}$ | Ho | No | NO |
| 23. High Gloss Finish | -- - - | Tes | Yes3 | No |
| 24. Satin Finish | -- -- | No | Yes | Yes |
| 25. Delete Bolt Lock | (.04) (.03) | No | Ho | No |
| Estimated Full Allocation | Factory Cost | \$ 160.09 | \$ 129.42 | \$ 134.34 |

Proposed Revisions to Model 700 ADL Product Specifications - (cont'd.)

## Footnotes to Table

1. Although listea, these features were not estimated because they were deleted in the Marketing and Ilion proposed specifications.
2. A plain bolt handle was not evaluated because neither detailed process estimates nor purchased cost data were currently available.
3. Proposal Ilion I called for high gloss lacquer finish. This feature was estimated based on process costs for the low-lustre $M / 788$ lacquer finish.

As a further basis for comparison, the following table shows estimated pretax earnings and percentage margin at current $M / 700$ ADL pricing for each proposal, plus celculated net and retail selling prices to yield stated percentage margin levels.

|  | $\begin{aligned} & \text { Present } \\ & \mathrm{M} / 700 \mathrm{ADL} \\ & \hline \end{aligned}$ | Marketing | Ilion I | Ilion II |
| :---: | :---: | :---: | :---: | :---: |
| Current Retail Selling Price | \$ 334.95 | \$ 334.95 | \$ 334.95 | \$ 334.95 |
| Current Net Selling Price | \$ 177.44 | \$ 177.44 | \$ 177.44 | \$ 277.44 |
| Pretax Earnings | \$ 18.59 | (\$ 1.54) |  |  |
| \% of Net Selling Price | 10.5\% | $(0.9 \%)$ | $15.4 \%$ | $12.5 \%$ |
| Calculated Prices |  |  |  |  |
| for $10 \%$ largin |  |  |  |  |
| Retail Selling Price | \$ 332.58 | \$ 384. 10 | \$ 310.51 | \$ 322.21 |
| Net Selling Price | \$ 176.19 | \$ 203.47 | \$ 164.49 | \$ 170.75 |
| for 15\% Margin |  |  |  |  |
| Retail Selling Price | \$ 356.40 | \$ 417.60 | \$ 332.74 | \$ 345.39 |
| Net Selining Price | \$ 188.80 | \$ 218.04 | \$ 176.27 | \$ 182.97 |
| for 20f Mergin |  |  |  |  |
| Retail Selling Price | \$ 383.61 | \$443.02 | \$ 358.15 |  |
| Fet'Selling Price | \$ 203.22 | \$ 234.69 | \$ 189.73 | \$ 196.94 |
| for 25m Mergin |  |  |  |  |
| Retail Selling Price Net Selling Price |  |  |  | \$ 402.70 |
|  | \$ 220.13 | \$254.22 | \$ 205.52 | \$ 213.33 |
|  | $\int(1) \sqrt[A u s+\infty]{\infty}$ |  |  |  |
|  | J.C. Hutton, Superintendent |  |  |  |
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TRA/kc

