xc: R.L. Hall
H.K. Boyle
J.P. Linde
G.D. Campbell
R.W. Farrington, Jr.
Est. #4293

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C.B. Workman

## Proposed Revisions to Model 700 ADL Product Specifications

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 ADL specifications and volume. The estimated factory cost for each proposed set of specifications are summarized in the following table:

|             | •                     | Net Cost Effect Full Incre- |                    | Proposals |           |           |
|-------------|-----------------------|-----------------------------|--------------------|-----------|-----------|-----------|
|             | ature                 | Allocation                  | mental             | Marketing | Ilion I   | Ilion II  |
|             | esent M/700 ADL       |                             |                    | \$ 138.62 | \$ 138.62 | \$ 138.62 |
|             | Cut Checkering        | \$ 6.21                     | \$ 3.62            | Yes       | Yes       | Yes       |
| _           | Open Sights           | ***                         |                    | No        | No        | No        |
|             | Delete Open Sights    | (5.29)                      | (3.63)             | Yes       | Yes       | Yes       |
|             | Scope Rings           | 15.63                       | 12.63              | Yes       | No        | No        |
|             | Cast Follower         | . <del></del> .             |                    | Yes       | No        | No        |
| 6.          | Formed Follower       | (3.20)                      | (2.51)             | No        | Yes       | Yes       |
|             | Soft Rubber Butt Pad  | Not Eval                    | uated <del>"</del> | No        | No        | No        |
| 8.          | Simplified Butt Plate | (.25)                       | (.17)              | Yes       | Yes       | Yes       |
| 9.          | Delete Jeweled Bolt   | (.38)                       | (.28)              | No        | Yes       | Yes       |
| 10.         | Flain Bolt Handle     | Not Eval                    | uated <sup>2</sup> | No        | Yes       | Yes       |
| 11_         | Present Bolt Handle   |                             |                    | Yes       | No        | No        |
| 12.         | BDL Floor Plate       | 3.90                        | 2.95               | Yes       | No        | Yes       |
| 13.         | RKW-Finish            |                             |                    | Yes       | No        | No        |
| 14.         | Lacquer Finish        | (5.29)                      | (4.26)             | No        | Yes       | Yes       |
|             | Monte Carlo           |                             |                    | Yes       | No        | No        |
| 16.         | Cheekpiece            |                             | -                  | Yes       | No        | No        |
| 17.         | Grip Cap              | .28                         | .19                | Yes       | No        | No        |
| <del></del> | "Classic" Style Stock | (.96)                       | (.70)              | No        | Yes       | Yes       |
| 19.         | Swivel Studs          | 1.02                        | .76                | Yes       | No        | Yes       |
| 20.         | Sling                 | Not Eval                    | uated <sup>1</sup> | No        | No        | МÔ        |
| 21.         | Walnut Stock          |                             |                    | Yes       | Yes       | Yes       |
| 22.         | Alternate Wood        | Not Eval                    | uated <sup>1</sup> | No        | No        | No        |
| 23.         | High Gloss Finish     |                             |                    | Yes       | Yes3      | No        |
|             | Satin Finish          |                             | -                  | No        | Yes       | Yes       |
| 25.         | Delete Bolt Lock      | (.04)                       | (.03)              | No        | No        | No        |

Estimated Full Allocation Factory Cost

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

## Footnotes to Table

- 1. Although listed, 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.
- Proposel 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 calculated net and retail selling prices to yield stated percentage margin levels.

|   | Present<br>M/700 ADL | Marketing | Ilion I   | Ilion II  |
|---|----------------------|-----------|-----------|-----------|
| Current Retail Selling Price Current Net Selling Price Pretax Earnings % of Net Selling Price | \$ 334.95            | \$ 334.95 | \$ 334.95 | \$ 334.95 |
|   | \$ 177.44            | \$ 177.44 | \$ 177.44 | \$ 177.44 |
|   | \$ 18.59             | (\$ 1.54) | \$ 27.40  | \$ 22.79  |
|   | 10.5%                | (0.%)     | 15.44     | 12.5%     |
| Calculated Prices<br>for 10% Margin   |                      |           | •         |           |
| 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 Net Selling Price   | \$ 356.40            | \$ 411.60 | \$ 332.74 | \$ 345.39 |
|   | \$ 188.80            | \$ 218.04 | \$ 176.27 | \$ 182.97 |
| for 20% Mergin Retail Selling Price Ret Selling Price   | \$ 383.61            | \$ 443.02 | \$ 358.15 | \$ 371.76 |
|   | \$ 203.22            | \$ 234.69 | \$ 189.73 | \$ 196.94 |
| for 25% Margin Retail Selling Price Net Selling Price   | \$ 415.51            | \$ 479.89 | \$ 387.95 | \$ 402.70 |
|   | \$ 220.13            | \$ 254.22 | \$ 205.52 | \$ 213.33 |

Y.C. Hutton, Superintendent Industrial Engineering Section

By: T.R. Andrews

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