

August 17, 1948

TO: H. A. Brown
 FROM: H. W. Young
 SUBJECT: MODEL 721 - MODIFICATION OF SAFETY DESIGN

Following is a list of new parts required for the proposed blocked connector safety and the parts obsoleted by their uses:

<u>Proposed Parts</u>	<u>Current Parts</u>
A-18498-X Trigger Connector	A-17030 Trigger Connector
A-18499-X Trigger Spring	A-17978 Trigger Spring
A-18500-X Trigger Spring Screw	A-17049 Trigger Adj. Screw
A-18501-X Trigger Stop Screw	A-17053 Trigger Stop Screw
A-18502-X Safety Pivot Pin	A-17043 Safety Pivot Pin
A-18503-X Sear Spring	A-17047 Sear Spring
B-18504-X Sear	2B-17946 Sear
C-18505-X Fire Control Housing	C-17039 Fire Control Housing
C-18506-X Safety	C-17048 Safety
C-18507-X Trigger	C-17049 Trigger
A-18508-X Safety Ball	

New or revised tooling is indicated on all of these parts, the approximate extent of change being as follows:

Trigger Connector - A-18498X:

A swaged projection has been added to the lower end of the part, a ground surface provided at 5° to the front face and the location of the hole changed.

Trigger Spring - A-18499X:

One half turn removed to shorten spring.

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Trigger Spring Screw - A-18500X:

An internal-external threaded bushing replaces one of the current trigger adjusting screws.

Trigger Stop Screw - A-18501X:

Revision in dimensions of current part.

Safety Pivot Pin - A-18502X:

Addition of annular groove to current part.

Sear Spring - A-18503X:

Torsion spring replaces present compression spring.

Sear - B-18504X:

Contour of lower surfaces modified to provide a downwardly projecting lug at front, a spring support at rear, and suitable ground surfaces to cooperate with connector and ball.

Fire Control Housing - C-18505X:

Remove tabs that retain current trigger stop screw; provide a single tab at lower position and provide slot in right hand side of housing.

Safety - C-18506X:

Remove cam on inside leg and provide inturned slotted leg at front.

Trigger - C-18507X:

Grind revised contour on front and top of present trigger as blank.

Safety Ball - A-18508X: Additional

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Design Unit

HWY:NL