• • •	FIREARMS RESEARCH DIVISION	
CATEGORY I		Origination Date August 1, 1
		Vodate(s)
Project Title:	C.F. Fire Control Improvement Program	
Project No.:	C-2050	
Objective:	Design a new fire control for our bolt action guns having safety on or off in fired or unfired condition. Also separate	
		•
Commitment:	Design to retrofit in existing bolt action firearm and be all actions for future design - combine, etc.	ole to add to all new boit .
Personnel As	signed: Martin Design Personnel (1.2) Man Test Personnel (1.3) Man	
•		
		•
	rating Expenses 1981 \$ 200M earch Capital Project/Expenses 5 0	(including testing)
Uncertaintie	s: .	
	Can this be done and still have manufacturing tolerances	we can live with in production?
•	Will there be too many components that will have to be	adjusted?
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FIREARMS RISEARCH DIVISION

: :	Togram Stess and Timing	Resconsibility	Completion
1.	Marketing to review prototype models.	Marcin	Oct , '80
2.	Fabricate five (5) models for testing and test for design verification.	Martin	Oct. '80
3.	Fabricate five (5) models for product acceptance.	Martin	Jan. '81
4.	Test for acceptance.	Martin	Feb. '81
5.	Transmit drawings to P.S. & C.	Martin	Mar. '81
6.	Trial and Pilot	Martin	June '82
7.	Audit testing.	Martin	July '82 、
8.	Warehouse	Martin	Nov. '82
9.	Announcement	Martin	Dec. '82
10.	Design follow-up and assist P.E. & C. and production.	Martin .	As required

FIREARMS RESEARCH DIVISION

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Category II		Origination Data Aug. 1, 1980
		Update (s)
Project Title:	Product Improvement Programs	
Project No.:	B-2000; C-1800 and D-1100	
Objective:	To provide changes as required for improved quality Follow-up engineering and design improvements are of leadership and customer acceptance. Also provid design and/or programs which have potential for ma	necessary to maintain a position e preliminary investigation on
Commitment	Review customer and sales complaints and investigate and make design changes as required. Complete destand follow-up in production. Investigate potential of requests.	ign and testing of integral ejector
Personnel Ass	- -	Man years
	arch Capital Project/Expenses 5 0	(including testing)
Uncertainties	:	
•	Will design improvements be acceptable?	
•	Can cost increase (s) for improvements be balanced justification?	by a satisfactory R.O.I. and/or
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FIREARMS RESEARCE DIVISION

<u> </u>	ram Stees and Fiming	Responsibility	Completion
i.	Complete design work and DU Unlimited Design follow-up and assist production	Brooks	Oct. '80 June '81
2.	Complete investigation of rust prevention or plating for use on the model piston and piston seal.	Brooks	Dec. '80
3.	Continue with minor programs and investigation to improve the product and reduce cost.	Brooks	ತತ ಸಕೀರೆಕಿದೆ
4.	Investigate and improve M700 Fire Control tolerances	Brooks	March '81
5.	Investigate Model 700 feeding problems and provide design improvements.	Brooks -	Dec. '81
6.	Investigats 12 Ga. fire control on Model 1100 to eliminate don't lock open malfunctions	Brooks	Dec. '81
7.	Make necessary design improvements as requested from Marketing and Production to various models as required.	Brooks	as needed

FIREARMS RESEARCH DEMATION

CATEGORY I	Origination Data Aug. 1, 1980
	Todate(s)
Project Title:	C.F. Bolt Lock Improvement Program
Project No.:	C-3000
Objective:	To develop a method to lock the bolt handle into position without interference with the operation of the fire control.
Commitment	Design a manual latch arrangement which in turn will release upon firing. Design is to be complete by Sept. 1980 for transmittal for the new carbine.
Personnel Assi	gned: Martin Design Personnel (.5) Man years
	ting Expenses 1981 S 75M (including testing) rch Capital Project/Expenses S 0
Uncertainties:	
•	Will Marketing accept the design of a latch which is thumb operated?

FIRMARMS RESEARCH DIVISION

Program Stebs and Timing	Responsibility	Completion <u>Date</u>
1. Test five (5) models and make design revisions.	Martin	Dec. '80
2. Transmittal of drawings.	Martin	Jan. '81
3. Trial and Pilot.	P.E. & C	Oct. '81
4. Trial and Pilot audit test.	Martin	Sept. '81
5. Warehouse	Production	Sept. '81
6. Announcement		
 Design follow up and assist PE&C and production. 	Martin	As required

NOTE: To run concurrently with bolt action carbine project.