

PRODUCT TEST REPORT

Fisher Body Engineering Section
GENERAL MOTORS CORPORATION

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SUBJECT:

Bodies - Static Roof Intrusion Tests -
1970 and 1971 F, H, A, X, and B Styles

FOREWORD:

The Product Testing Laboratory was asked to conduct static roof intrusion tests in accordance with the proposed roof intrusion requirement (Docket 2-6 Notice 4) issued on December 28, 1970.

The following bodies were tested:

1. 1971 Chevrolet B-47 Production Body
2. 1971 Chevrolet H-11 Pilot Body
3. 1970 Pontiac F-87 Production Body
4. 1971 Chevrolet X-27 Production Body
5. 1970 Oldsmobile B-37 Production Body
6. 1971 Pontiac B-45 Pilot Body

CONCLUSIONS:

All the bodies tested failed to meet the requirements of the proposed roof intrusion requirements (Docket 2-6 Notice 4) except the X-27 body that passed.

Reported By: D.E. Foley/jlc
Date Test Conducted 1-11-71
Log Book Reference 3803-24

Approved By:

P.J. Timinsky
P.J. Timinsky

	1971 H-17		1971 H-11		1970 F-87		1971 X-27		1970 B-37		1971 B-48		Proposed Roof Intrusion Requirement
	Left Side	Right Side	Left Side	Right Side	Left Side	Right Side	Left Side	Right Side	Left Side	Right Side	Left Side	Right Side	
Peak Load (lbs)	3700*	3600	2823	3825*	3725	4328*	6550	7450*	4920*	5123	4500*	4150	5000**
Ram Travel Deflec- tion (inches) at Peak Load	4.9	4.9	3.5	4.3	4.7	4.1	4.0	4.5	4.5	4.3	3.9	5.0	Within 5.0
Inner Panel Def- lection (inches) at Peak Load	2.8	2.9	2.0	3.2	2.7	2.2	1.6	3.0	2.1	2.0	2.5	3.0	--

* The side tested first

** Peak load requirement is 1.5 times "empty" weight or 5000 pounds, whichever is less except "H" body - 3684 pounds. Weight values supplied by Product, Research and Safety.

The 1971 and 1973 "A" coupes will be tested at a later date.

Graphs and photographs are on file in the log book.