

FINAL REPORT NUMBER 225-MGA-04-003

SAFETY COMPLIANCE TESTING FOR FMVSS 225
"Child Restraint Anchorage Systems"

GENERAL MOTORS CORPORATION
2004 PONTIAC GRAND PRIX
NHTSA No. C40114

MGA RESEARCH CORPORATION
446 Executive Drive
Troy, Michigan 48083



Test Date: August 17, 2004
Report Date: September 14, 2004

FINAL REPORT

PREPARED FOR:

U.S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
ENFORCEMENT
OFFICE OF VEHICLE SAFETY COMPLIANCE
400 SEVENTH STREET, SW
ROOM 6111 (NVS-221)
WASHINGTON, D.C. 20590

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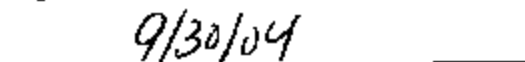


FINAL REPORT ACCEPTANCE BY OVSC:

Accepted By:



Acceptance Date:



TECHNICAL REPORT STANDARD TITLE PAGE

1. Report No. 225-MGA-04-003	2. Government Accession No.	3. Recipient's Catalog No.	
4. Title and Subtitle Final Report of FMVSS 225 Compliance Testing of a 2004 Pontiac Grand Prix, NHTSA No. C40114		5. Report Date September 14, 2004	
		6. Performing Organization Code MGA	
7. Author(s) Helen A. Kalet, Laboratory Manager Melanie Schick, Project Engineer Brad Reaume, Test Personnel		8. Performing Organization Report No. 225-MGA-04-003	
9. Performing Organization Name and Address MGA Research Corporation 446 Executive Drive Troy, Michigan 48063		10. Work Unit No.	
		11. Contract or Grant No. DTNH22-02-D-11043	
12. Sponsoring Agency Name and Address U.S. Department of Transportation National Highway Traffic Safety Administration Enforcement Office of Vehicle Safety Compliance (NVS-221) 400 Seventh Street, SW Room 6111 Washington, DC 20590		13. Type of Report and Period Covered Final Test Report	
		14. Sponsoring Agency Code NSA-31	
15. Supplementary Notes			
16. Abstract A compliance testing was conducted on the subject 2004 Pontiac Grand Prix, NHTSA No. C40114, in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-225T & 225L for the determination of FMVSS 225 compliance. The tests were conducted at MGA Research Corporation in Troy, Michigan on August 17, 2004. Test failures identified were as follows: NONE The data recorded indicates that the 2004 Pontiac Grand Prix tested appears to comply with the requirements for FMVSS 225, set forth by the National Highway Traffic Safety Administration.			
17. Key Words Compliance Testing Safety Engineering FMVSS 225 2004 Pontiac Grand Prix		18. Distribution Statement Copies of this report are available From: NHTSA Technical Reference Division, Mail Code: NAD-52 400 Seventh Street, SW, Room 5108 Washington, D.C. 20590 Telephone No. (202) 366-4946	
19. Security Classif. (of this report) Unclassified	20. Security Classif. (of this page) Unclassified	21. No. of Pages 69	22. Price

Form DOT F 1700.7

(8-70)

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1.0 PURPOSE AND PROCEDURE

PURPOSE

The child restraint anchorage test results presented in this report are part of the Federal Motor Vehicle Safety Standard (FMVSS) No. 225 compliance test program conducted for the National Highway Traffic Safety Administration (NHTSA) by MGA Research Corporation (MGA) under Contract No. DTNH22-02-D-11043. The purpose of the testing was to determine if the subject vehicle, a 2004 Pontiac Grand Prix, NHTSA No. C40114 meets the performance requirements of FMVSS No. 225, "Child Restraint Anchorage Systems."

PROCEDURE

This testing was conducted in accordance with NHTSA's Office of Vehicle Safety Compliance (OVSC) Laboratory Test Procedures, TP-225T (5/3/01) and TP-225L (6/11/01), and MGA's Laboratory Test Procedure, MGATP225GOV (3/20/03).

The front occupant compartment consisted of two (2) adjustable outboard bucket seats and the rear occupant compartment consisted of a three-passenger 60/40 bench seat. Each rear occupant seating position was equipped with a child restraint anchorage system (one tether and two lower anchors). The center-to-center spacing between the rear outboard lower anchorages was approximately 728 mm. Each rear occupant seating position was tested with the SFADII fixture.

2.0 COMPLIANCE TEST AND DATA SUMMARY

TEST SUMMARY

The testing was conducted at MGA, Troy, Michigan on August 17, 2004.

Based on the test results, the 2004 Pontiac Grand Prix appears to comply with the performance requirements of FMVSS No. 225 for this testing.

The SFADII at the rear left outboard seating position sustained a maximum force of 11,210 N and held the required load for 2 seconds. The total displacement from point "X" on the SFADII for the rear left outboard seating position was 59 mm. The SFADII at the rear right outboard seating position sustained a maximum force of 11,180 N and held the required load for 2 seconds. The total displacement from point "X" on the SFADII for the rear right outboard seating position was 78 mm. The SFADII at the rear center seating position sustained a maximum force of 14,994 N and held the required load for 3 seconds.

DATA SUMMARY

Strength and displacement summary data are provided below, and data for the configuration and the location of each child restraint anchorage system are provided in Section 5.0. Photographs are found in Section 6.0 and test plots are found in Section 7.0.

Table 1. Summary Data for Strength and Displacement

MGA Test #	Fixture Type	Seating Position	Max. Load (N)	Displacement (mm)
SB4634	SFADII	Rear Left	11,210	59
		Rear Right	11,180	78
SB4635	SFADII	Rear Center	14,994	N/A

N/A indicates that the displacement criteria does not apply to this test.

3.0 TEST VEHICLE INFORMATION

Table 2. General Test and Vehicle Parameter Data

VEH. MOD YR/MAKE/MODEL/BODY	2004 Pontiac Grand Prix
VEH. NHTSA NO.	C40114
VIN	2G2WP522041
COLOR	Beige
VEH. BUILD DATE	10/03
TEST DATE	August 17, 2004
TEST LABORATORY	MGA Research Corporation
OBSERVERS	Melanie Schick, Brad Reaume, Kenney Godfrey

GENERAL INFORMATION:

DATA FROM VEHICLE'S CERTIFICATION LABEL:

Vehicle Manufactured By: General Motors of Canada LTD.

Date of Manufacture: 10/03; VIN: 2G2WP522041

GVWR: 2008 kg; GAWR FRONT: 1101 kg; GAWR REAR: 907 kg

DATA FROM TIRE PLACARD:

No Information Available.

VEHICLE CAPACITY DATA:

Type of Front Seats: Bench ; Bucket X; Split Bench

Number of Occupants: Front 2; Rear 3; TOTAL 5

4.0 TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

MGA Research Corporation 446 Executive Drive Troy, Michigan 48063	
Test Equipment Used for Testing	Calibration Due Date
MGA Hydraulic Test Frame	N/A
Two (2) Load Cell 3,000 lb Capability	S/N 251 (10/26/04), S/N 256 (10/26/04)
Two (2) String Potentiometer	Calibrated at each use (S/N 21809, 20765)
Hydraulic Pump	N/A
MGA CRF Fixture	N/A
MGA SFAD2	N/A
MGA 2-Dimensional Template	N/A
Linear Scale	S/N 358 (12/17/04)
MGA Data Acquisition System	N/A
One (1) Hydraulic Cylinder	N/A
Digital Calipers	S/N MGA00053 (9/2/04)
Force Gauge	S/N MGA00058 (10/30/04)
Inclinometer (Digital)	S/N MGA00071 (1/29/05)

5.0 DATA

Table 3. Child Restraint Tether Anchorage Configuration (Data Sheet 1)

Seating Position		Permit the attachment of a tether hook	Accessible without the need for any tool other than a screwdriver or coin	Ready for use without the need for any tools	Sealed to prevent the entry of exhaust fumes
Front Row		N/A	N/A	N/A	N/A
Second Row	LH	Yes	Yes	Yes	Yes
	Ctr.	Yes	Yes	Yes	Yes
	RH	Yes	Yes	Yes	Yes
Third Row		N/A	N/A	N/A	N/A

Note: AS DETERMINED USING THE PROCEDURES SPECIFIED IN TP-225L & 225T.

REMARKS: NONE.

Table 4. Child Restraint Lower Anchorage Configuration (Data Sheet 2)

OBSERVED LOWER ANCHORAGE CONFIGURATION	SEAT POSITION				
		FRONT ROW	SECOND ROW		THIRD ROW
			I/B	O/B	
Above anchorage, permanently marked with a circle not less than 13 mm in Dia.; and whose color contrasts with its background; and its center is not less than 50 mm and not more than 75 mm above the bar, and in the vertical longitudinal plane that passes through the center of the bar.	LH	N/A	Yes		N/A
	Ctr		Yes		
	RH		Yes		
Each of the bars is visible, without the compression of the seat cushion or seat back, when the bar is viewed, in a vertical longitudinal plane passing through the center of the bar, along a line marking an upward 30 degree angle with a horizontal plane.	LH	N/A	Yes		N/A
	Ctr				
	RH				
Diameter of the bar (mm)	LH	N/A	6.00	5.99	N/A
	Ctr		5.97	5.98	
	RH		5.98	5.99	
Inspect if the bars are straight, horizontal and transverse	LH	N/A	Yes		N/A
	Ctr		Yes		
	RH		Yes		
Optional Marking: At least one anchorage bar (when deployed for use, if storable anchorages), one guidance fixture, or one seat marking is visible.	LH	N/A	N/A		N/A
	Ctr				
	RH				
Optional Marking: If guidance fixtures are used, the fixture(s) must be installed.	LH	N/A	N/A		N/A
	Ctr				
	RH				
Measure the distance between Point "Z" of the CRF and the center of the anchorage bar (mm)	LH	N/A	63		N/A
	Ctr		47		
	RH		61		
Measure the distance between the SRP to the center of the anchorage bar (mm)	LH	N/A	200		N/A
	Ctr		197		
	RH		200		

Table 4. Child Restraint Lower Anchorage Configuration (Data Sheet 2) (continued)

OBSERVED LOWER ANCHORAGE CONFIGURATION	SEAT POSITION				
		FRONT ROW	SECOND ROW		THIRD ROW
			I/B	O/B	
Inspect if the centroidal longitudinal axes are collinear within 5 degrees	LH	N/A	Yes		N/A
	Ctr		Yes		
	RH		Yes		
Inspect if the inside surface of the bar that is straight and horizontal section of the bars, and determine they are not less than 25 mm, but not more than 40 mm in length (mm).	LH	N/A	38	38	N/A
	Ctr		38	38	
	RH		38	38	
Inspect if the bars can be connected to, over their entire inside length by the connectors of child restraint system.	LH	N/A	Yes		N/A
	Ctr		Yes		
	RH		Yes		
Measure the distance between the center of the length of one bar to the center of the length of the other bar. The requirement is 280 mm $\pm$ 1 mm (mm).	LH	N/A	280		N/A
	Ctr		280		
	RH		280		
Inspect if the bars are an integral and permanent part of the vehicle.	LH	N/A	Yes		N/A
	Ctr		Yes		
	RH		Yes		
Inspect if the bars are rigidly attached to the vehicle. If feasible, hold the bar firmly with two fingers and gently pull.	LH	N/A	Yes		N/A
	Ctr		Yes		
	RH		Yes		

PITCH, YAW, & ROLL INFORMATION

SEAT POSITION	PITCH (deg)	YAW (deg)	ROLL (deg)
Rear Left	13.8	No Data	0.8
Rear Center	14.5	No Data	0.2
Rear Right	12.8	No Data	0.8

Note: AS DETERMINED USING THE PROCEDURES SPECIFIED IN TP-225L & 225T.

REMARKS: NONE

Table 5. Tether Location and Dimensional Measurements (Data Sheet 3)

SEAT POSITION FOR TETHER		TETHER ANCHORAGE LOCATION Located in the required zone?
Front Row	LH	N/A
	Ctr.	
	RH	
Second Row	LH	Yes
	Ctr.	Yes
	RH	Yes
Third Row	LH	N/A
	Ctr.	
	RH	

Note: AS DETERMINED USING THE PROCEDURES SPECIFIED IN TP-225L & 225T.

REMARKS: NONE

Table 6. Tether Anchorage Static Loading and Displacement (Data Sheet 5)

SEAT POSITION		Seat, Seat Back, & Head Restraint Positions			Angle (deg)	Initial Location (mm)	Onset Rate (N/sec.)	Force Applied (N)	Max. Load (N)	Final Location (mm)	Horizontal Displ. (mm)
		Seat	Seat Back	Is There a H/R?							
Front Row	LH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Chr.										
	RH										
Second Row	LH	Fixed	Fixed	Yes	9	38	387	10,950	11,210*	96	59
	Chr.	Fixed	Fixed	No	9	N/A	535	14,950	14,994*	N/A	N/A
	RH	Fixed	Fixed	Yes	9	32	387	10,950	11,180*	110	78
Third Row	LH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Chr.										
	RH										

Note: (1) AS DETERMINED USING THE PROCEDURES SPECIFIED IN TP-225L & 225T.

REMARKS: *Applied force exceeded force specified in the test procedure.

6.0 PHOTOGRAPHS
6.1 Full rear view



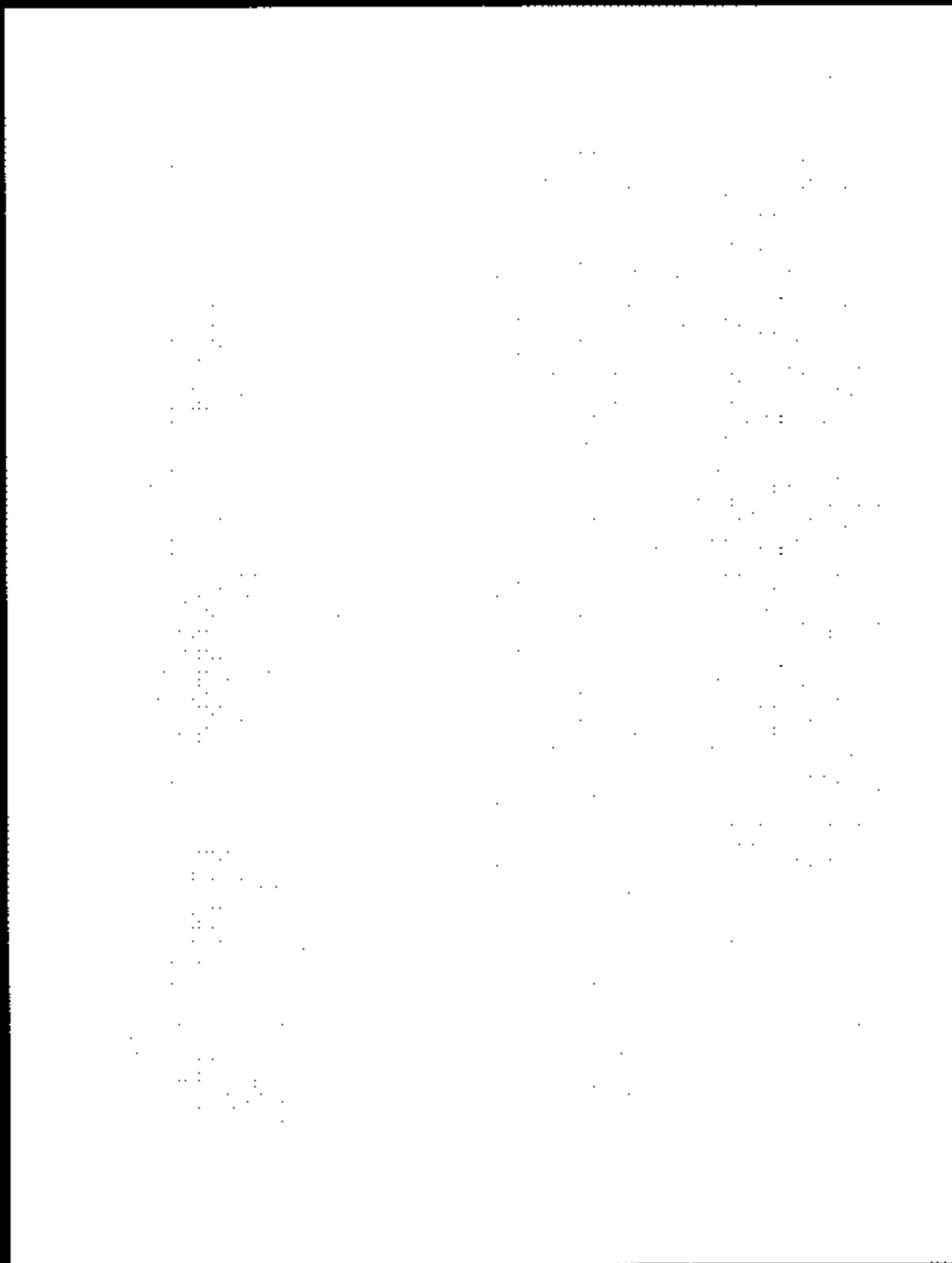
6.2 ¼ Front right view



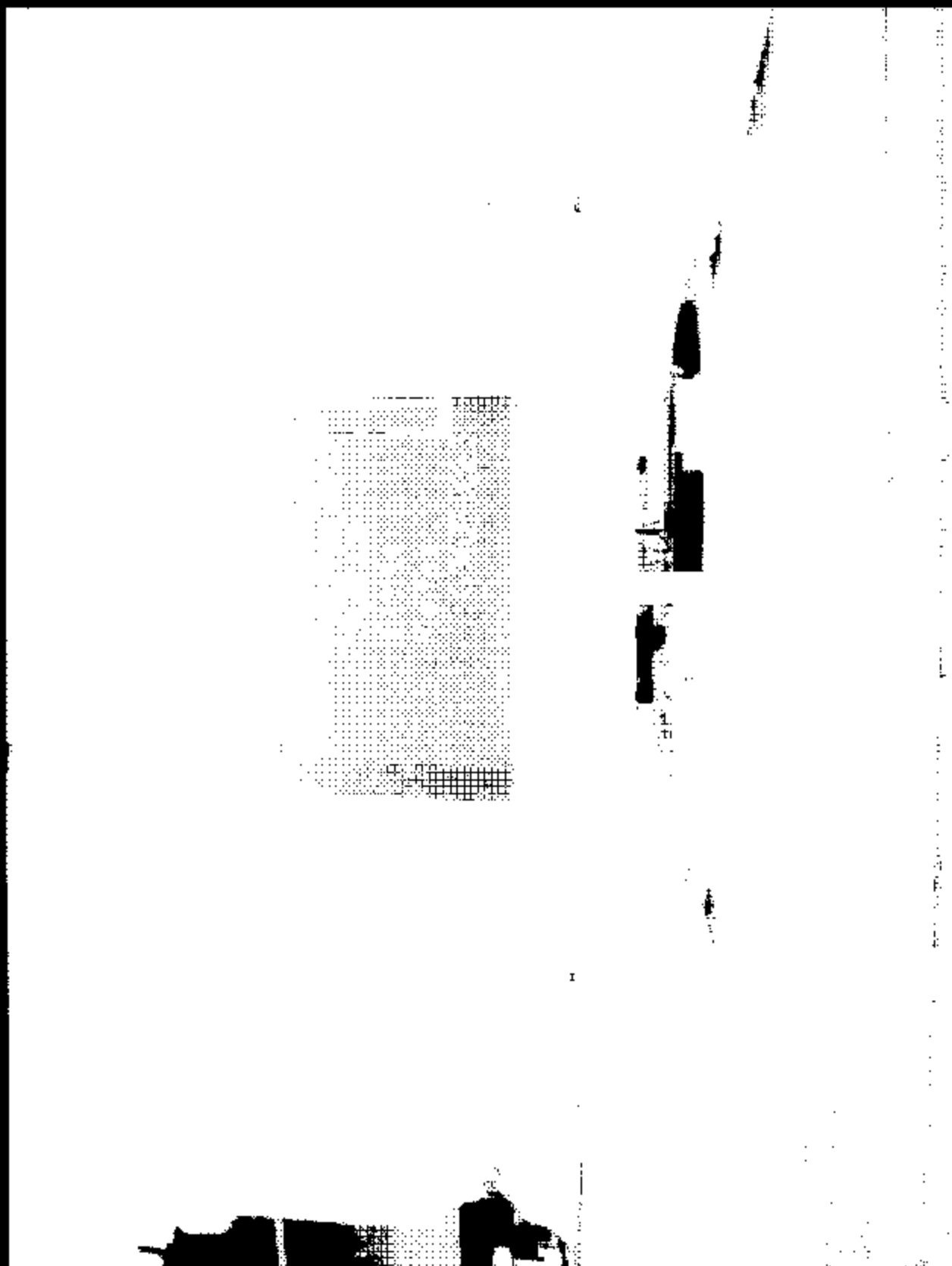
6.3 Test vehicle's certification label
6.3.1 certification label



6.3.2 certification label



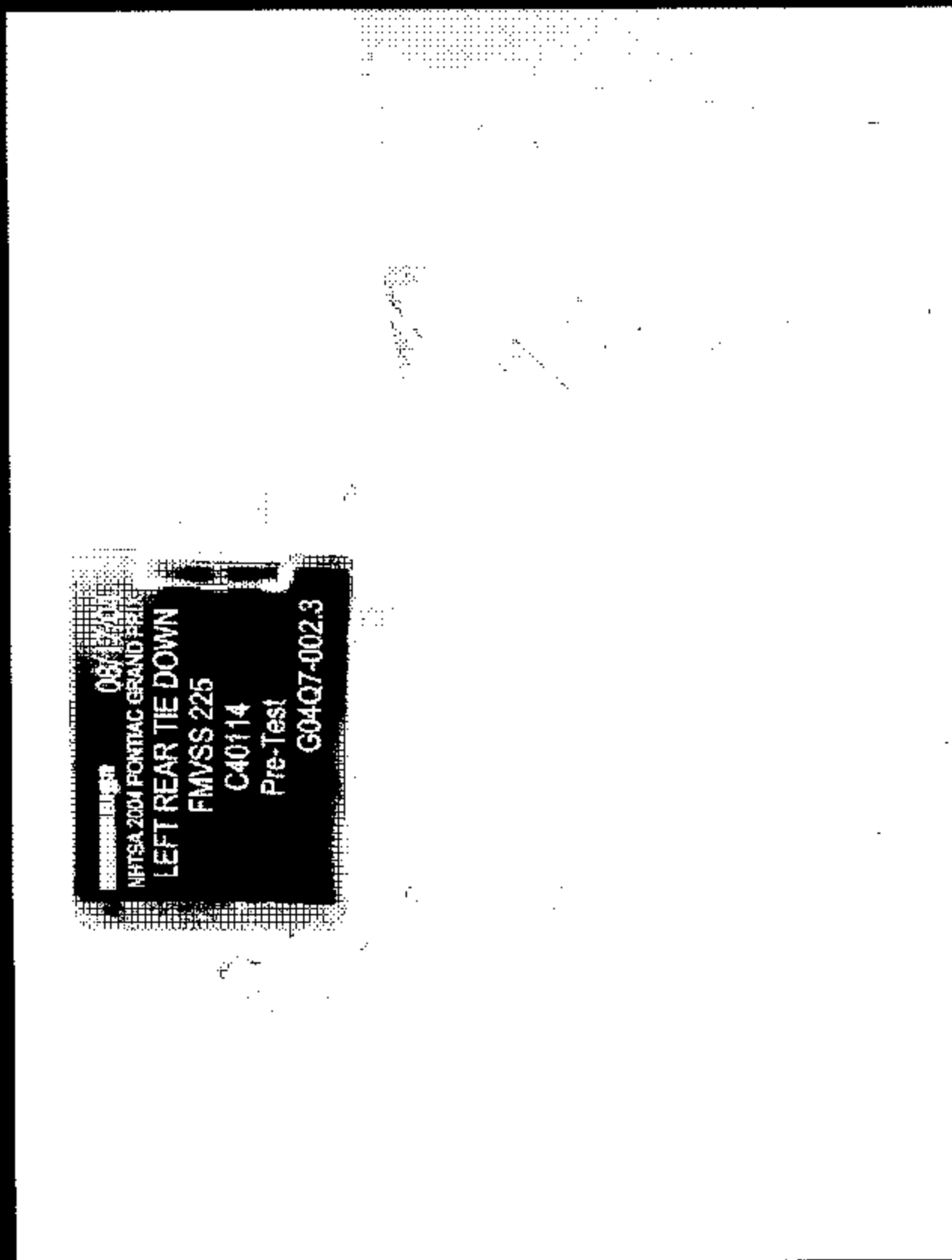
6.4 Vehicle tie down at each tie down location
6.4.1 front under vehicle



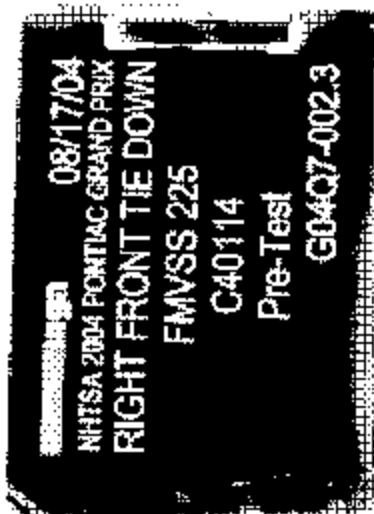
6.4.2 left front



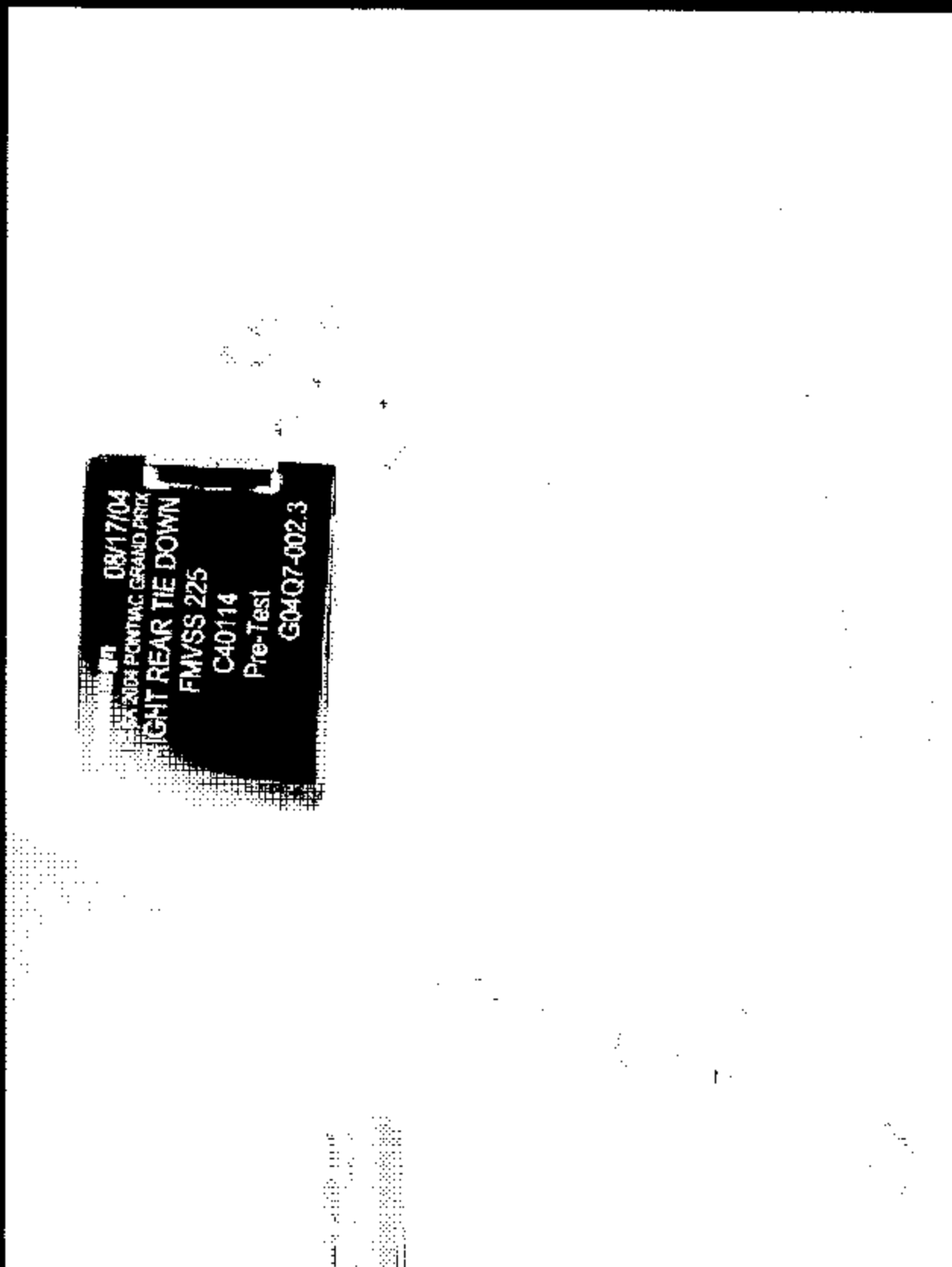
6.4.3 left rear



6.4.4 right front



6.4.5 right rear



- 6.5 3/4 Front right side view of test vehicle with test apparatus in place
6.5.1 test 1 of 2



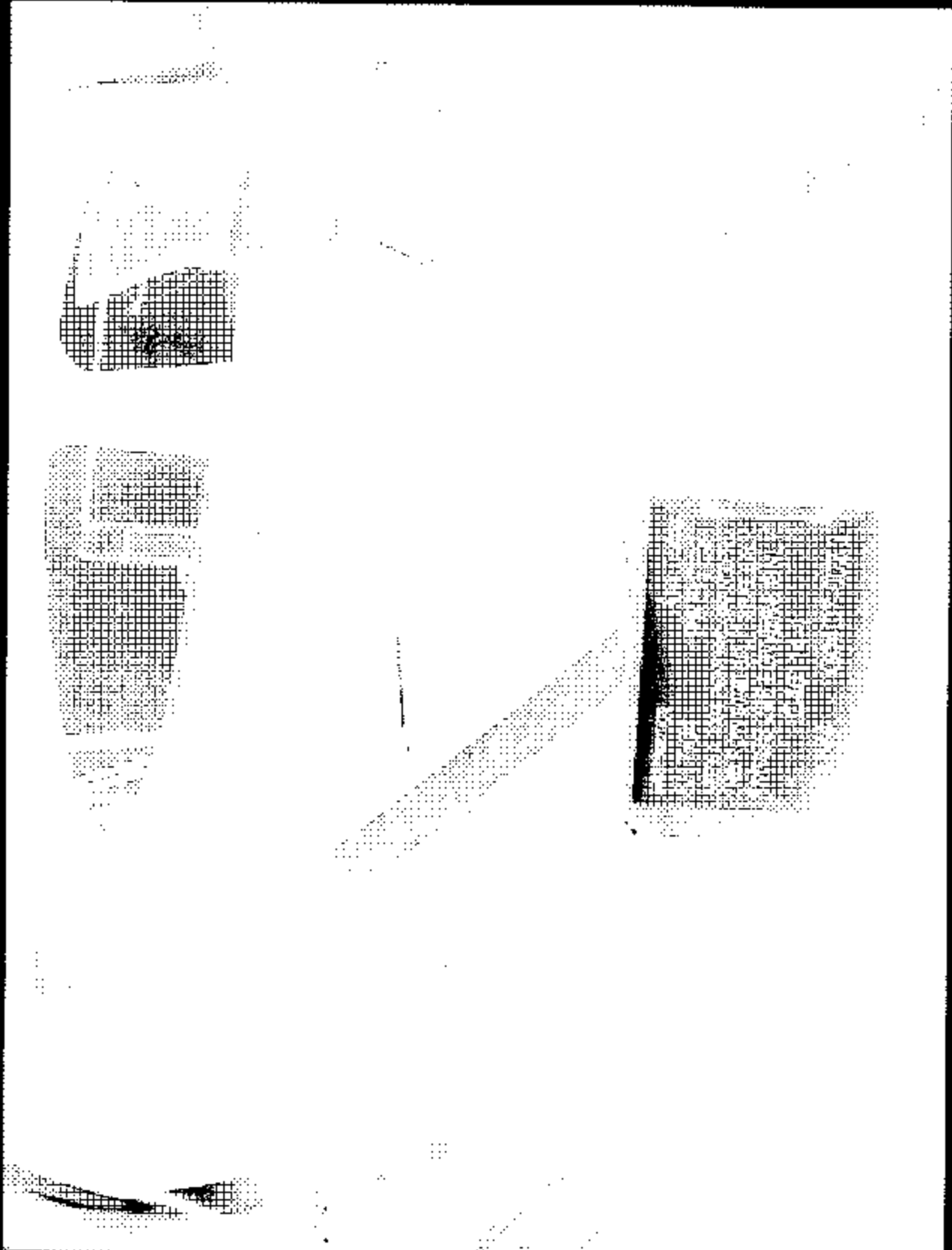
6.5.2 test 2 of 2



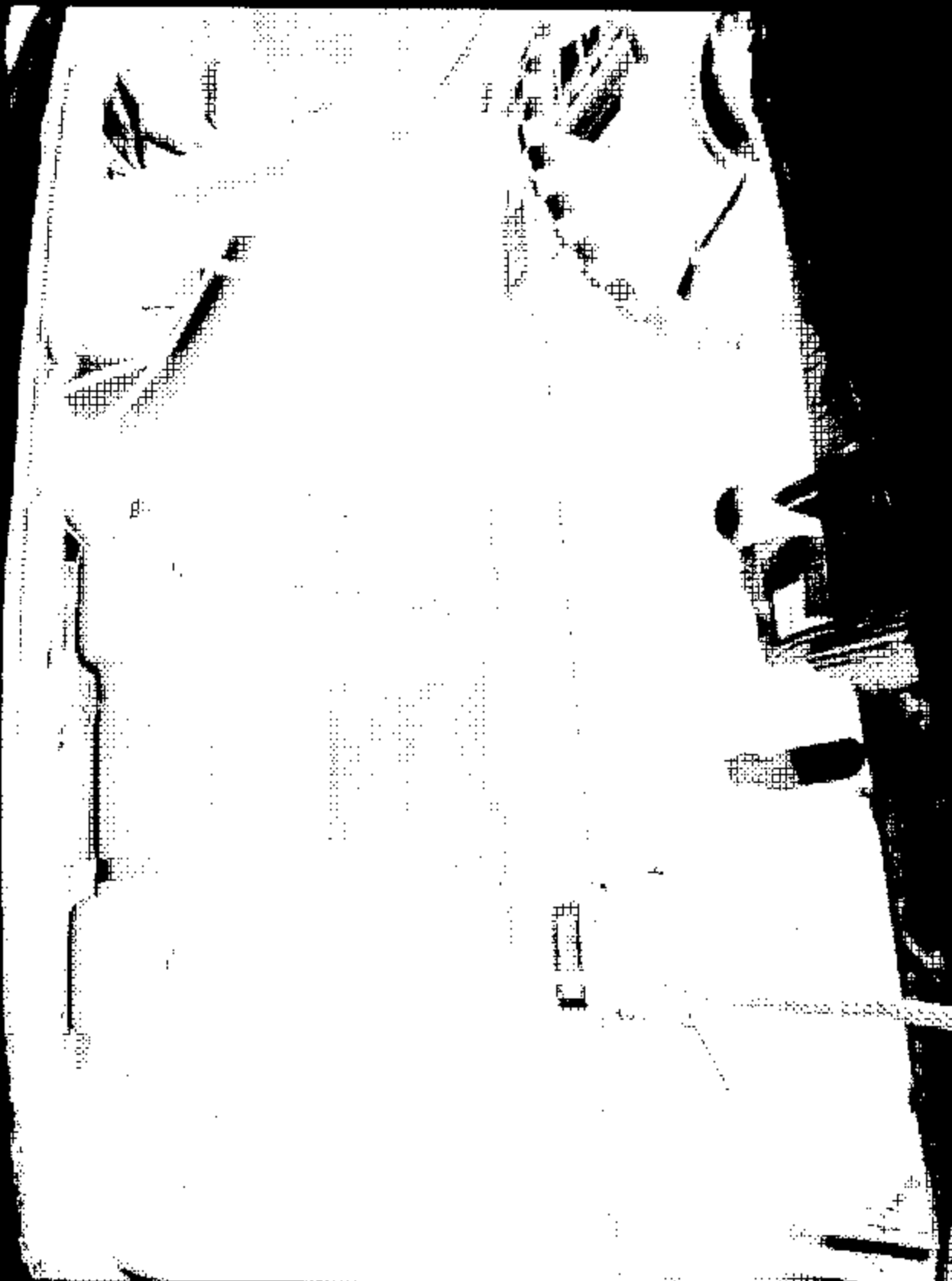
6.6 Pre-test views of each child restraint anchorage system installed in the vehicle
6.6.1 pre-test photo #1 of SFADII test 1 of 2



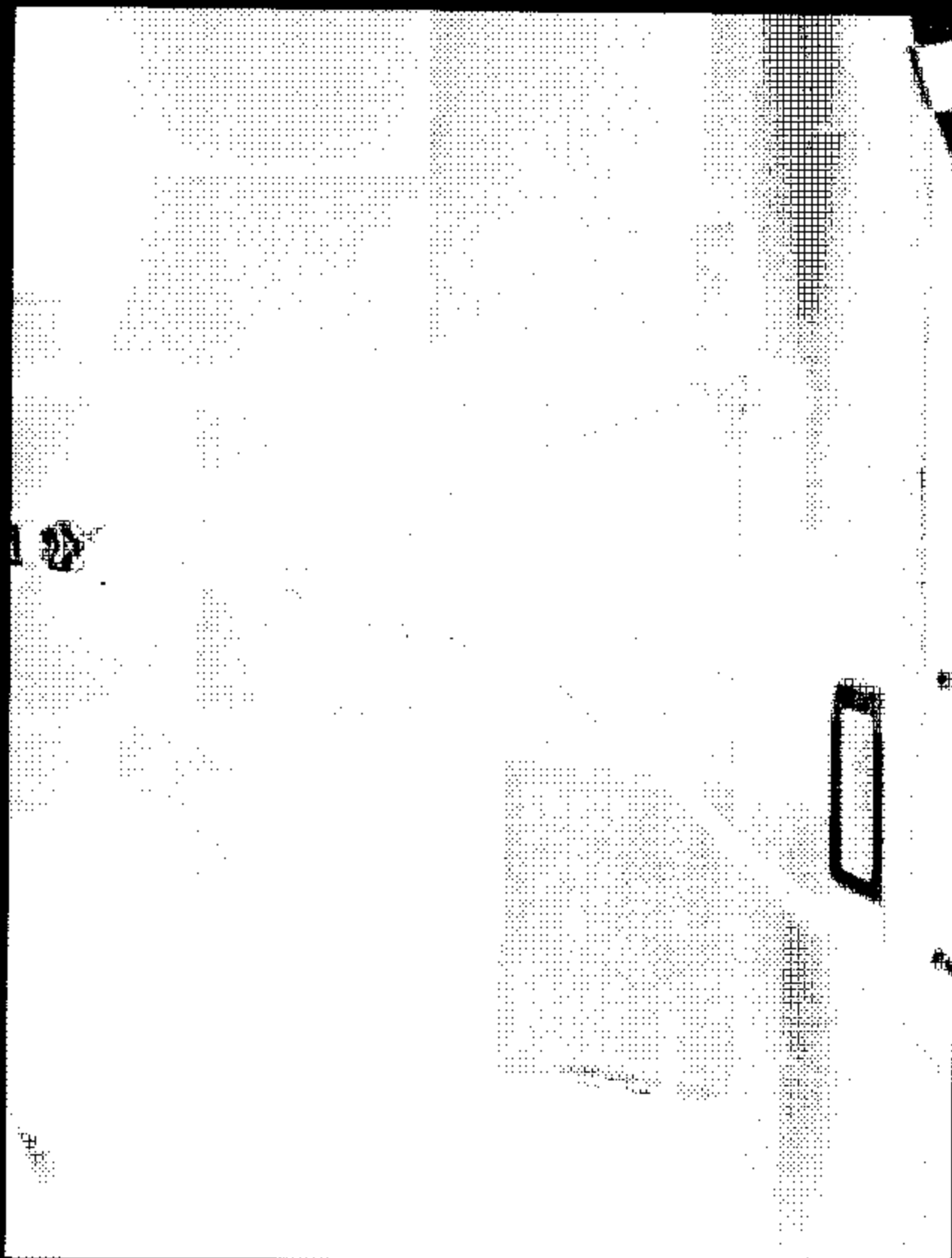
6.6.2 pre-test photo #2 of SFADII test 1 of 2



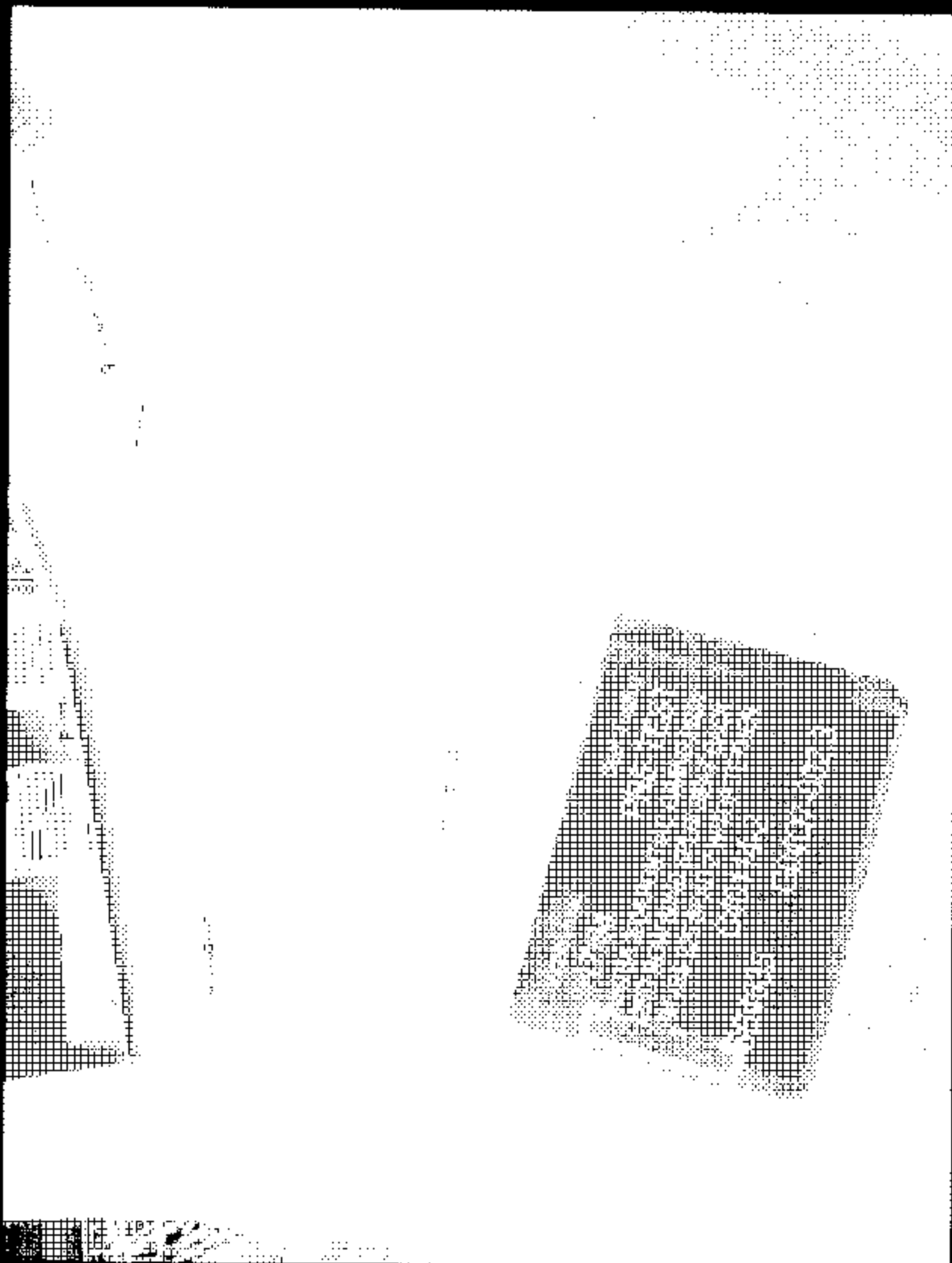
6.6.3 pre-test photo #3 of SFADII test 1 of 2



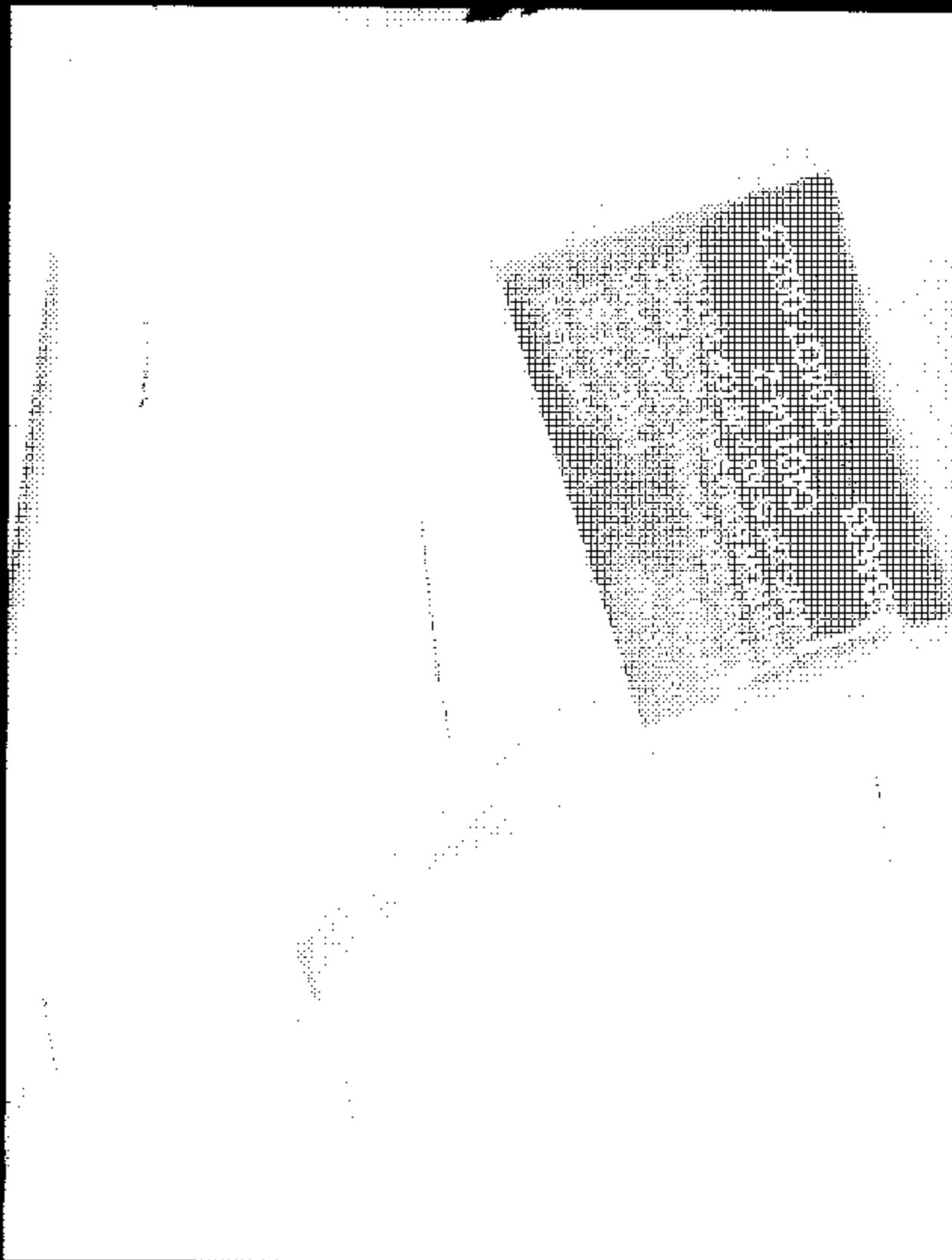
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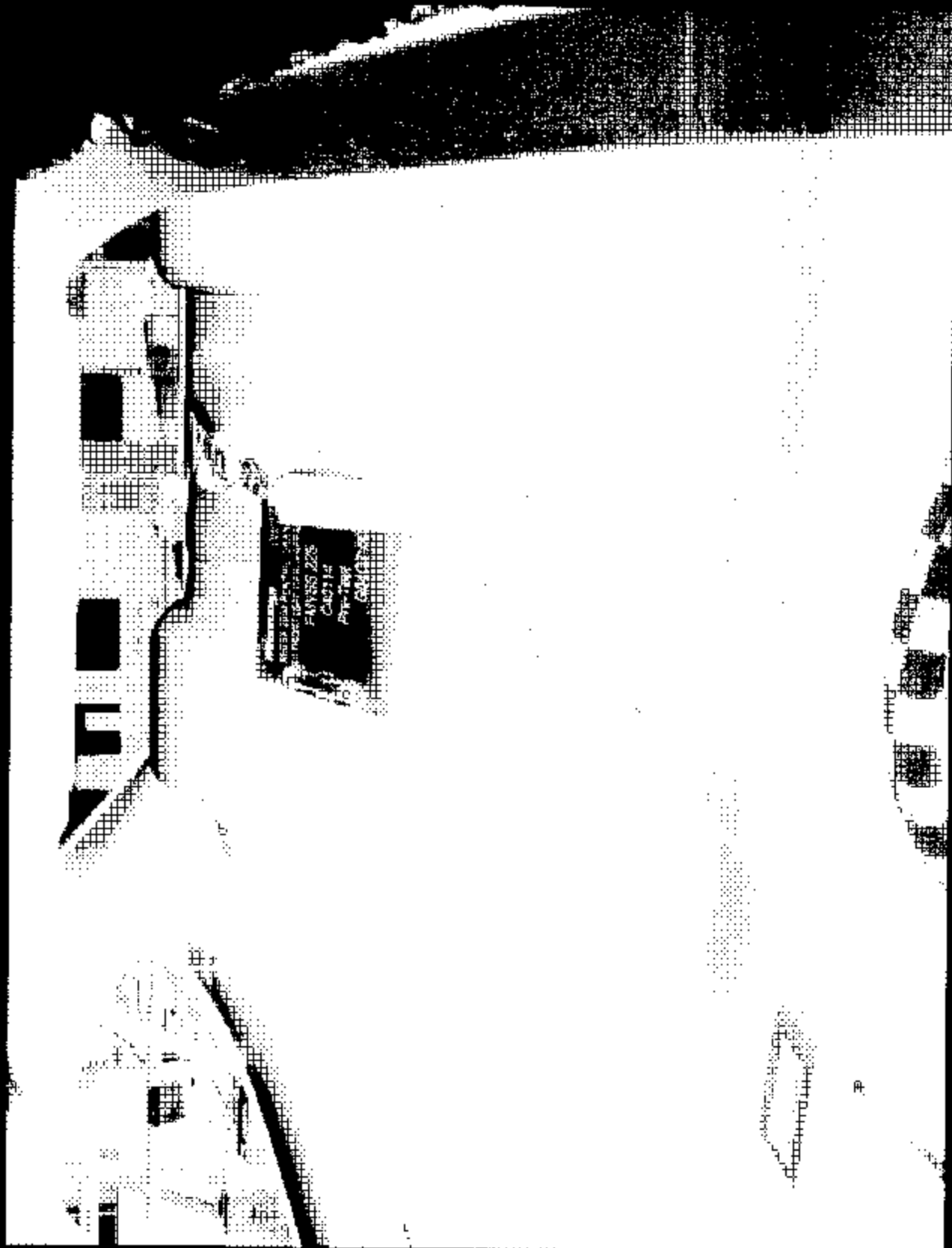
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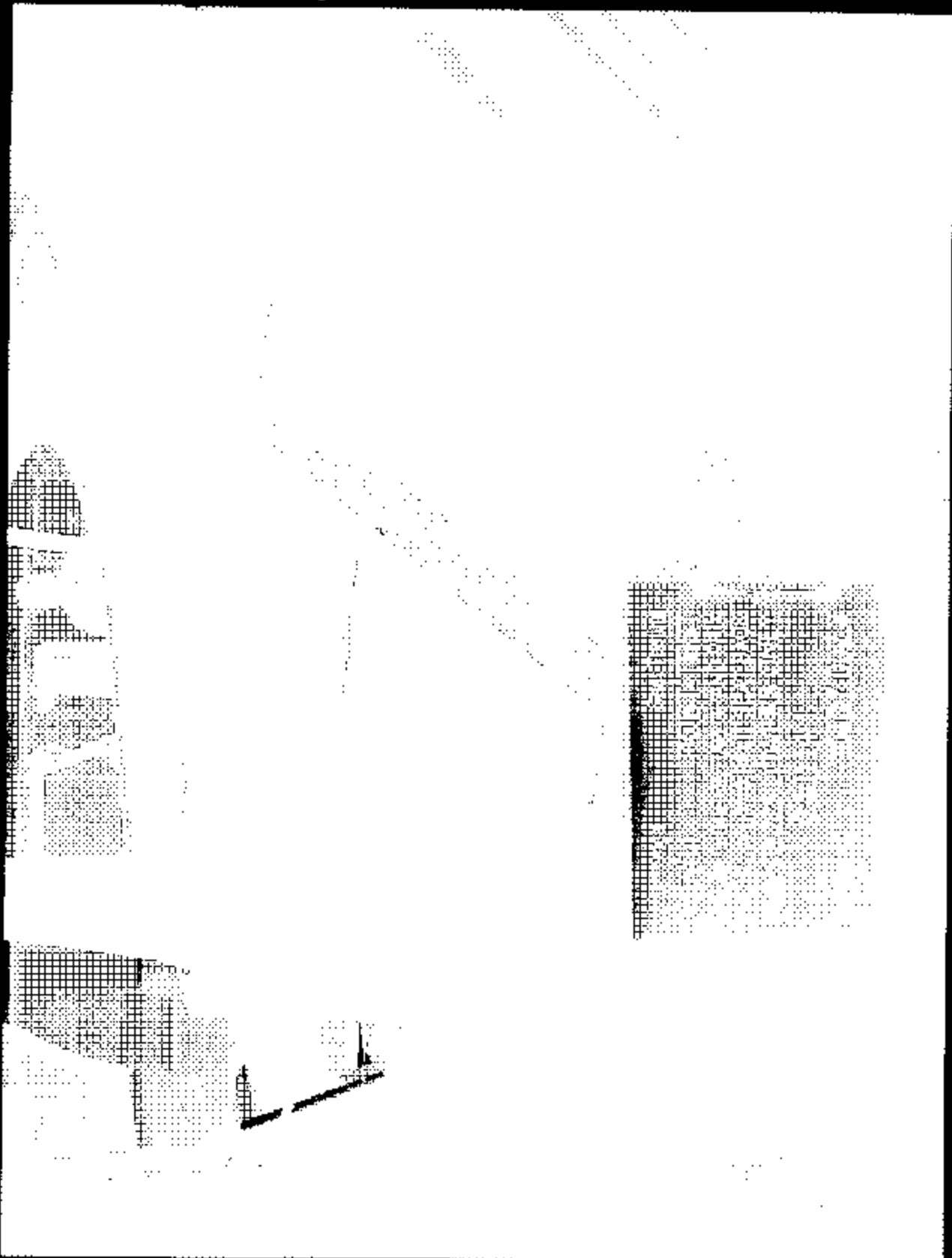
6.6.6 pre-test photo #6 of SFADII test 2 of 2



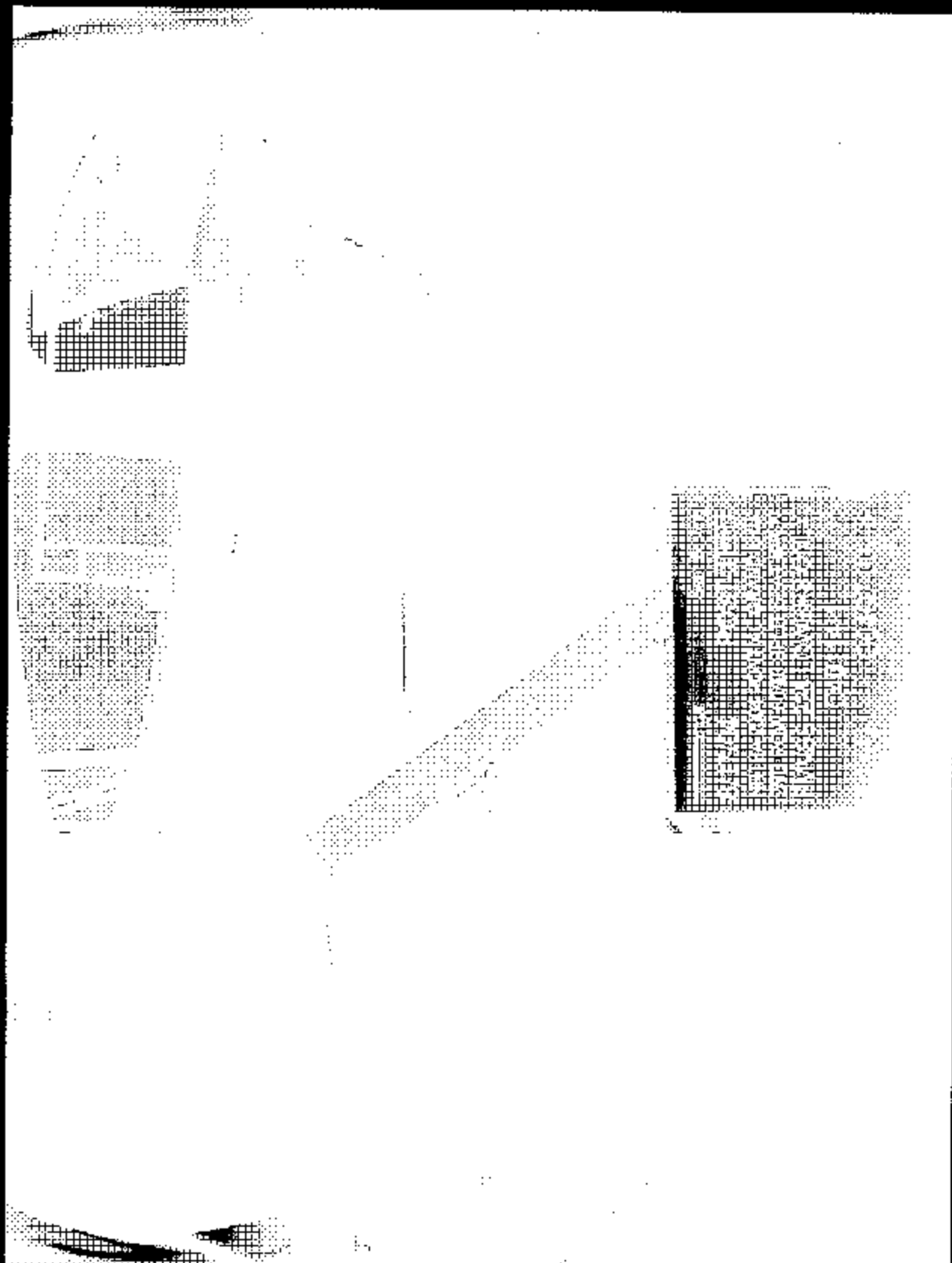
6.6.7 pre-test photo #7 of SFADII test 2 of 2



- 6.7 Post-test condition of each child restraint anchorage system
6.7.1 post-test photo #1 of SFADII test 1 of 2



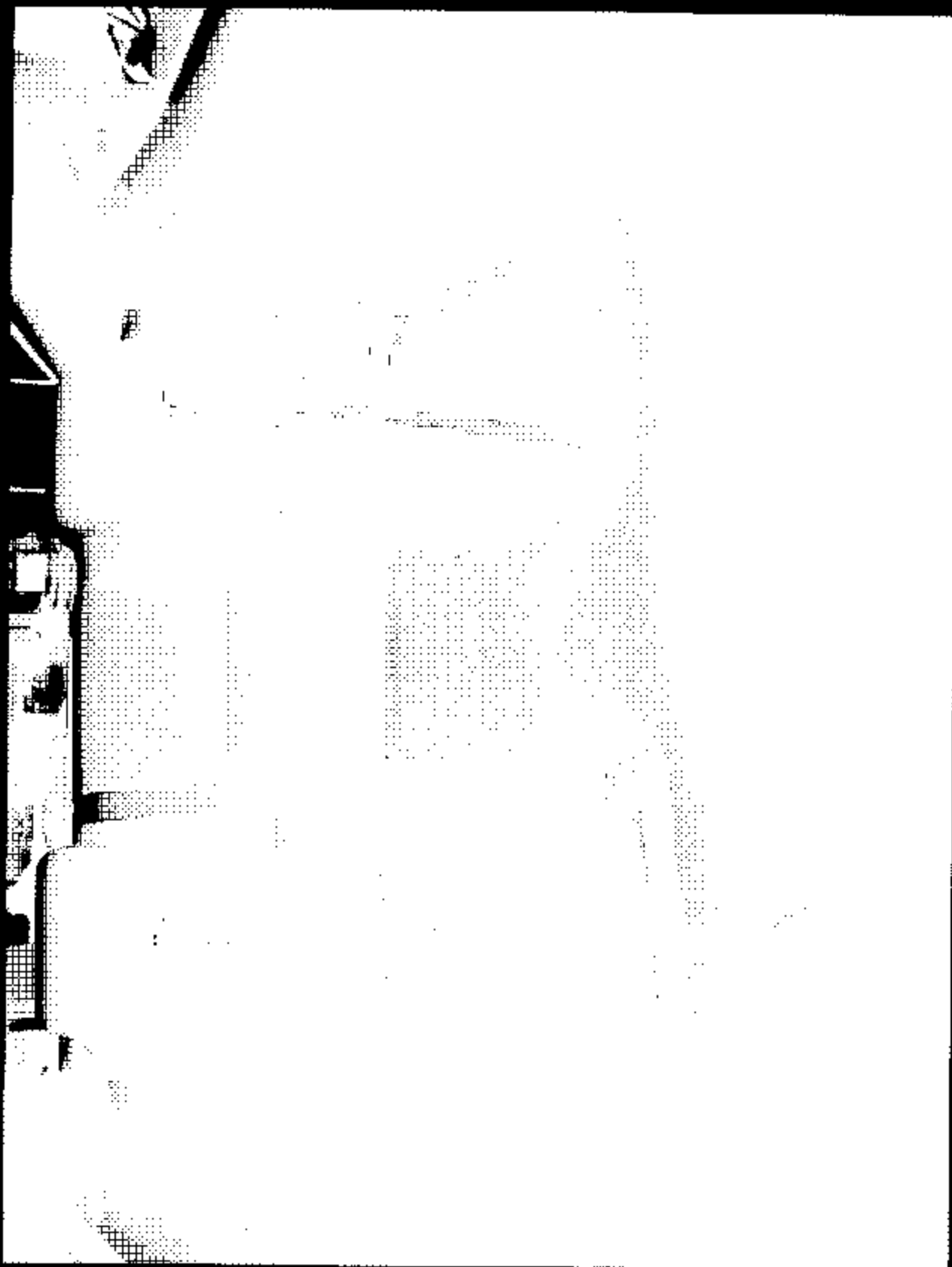
6.7.2 post-test photo #2 of SFADII test 1 of 2



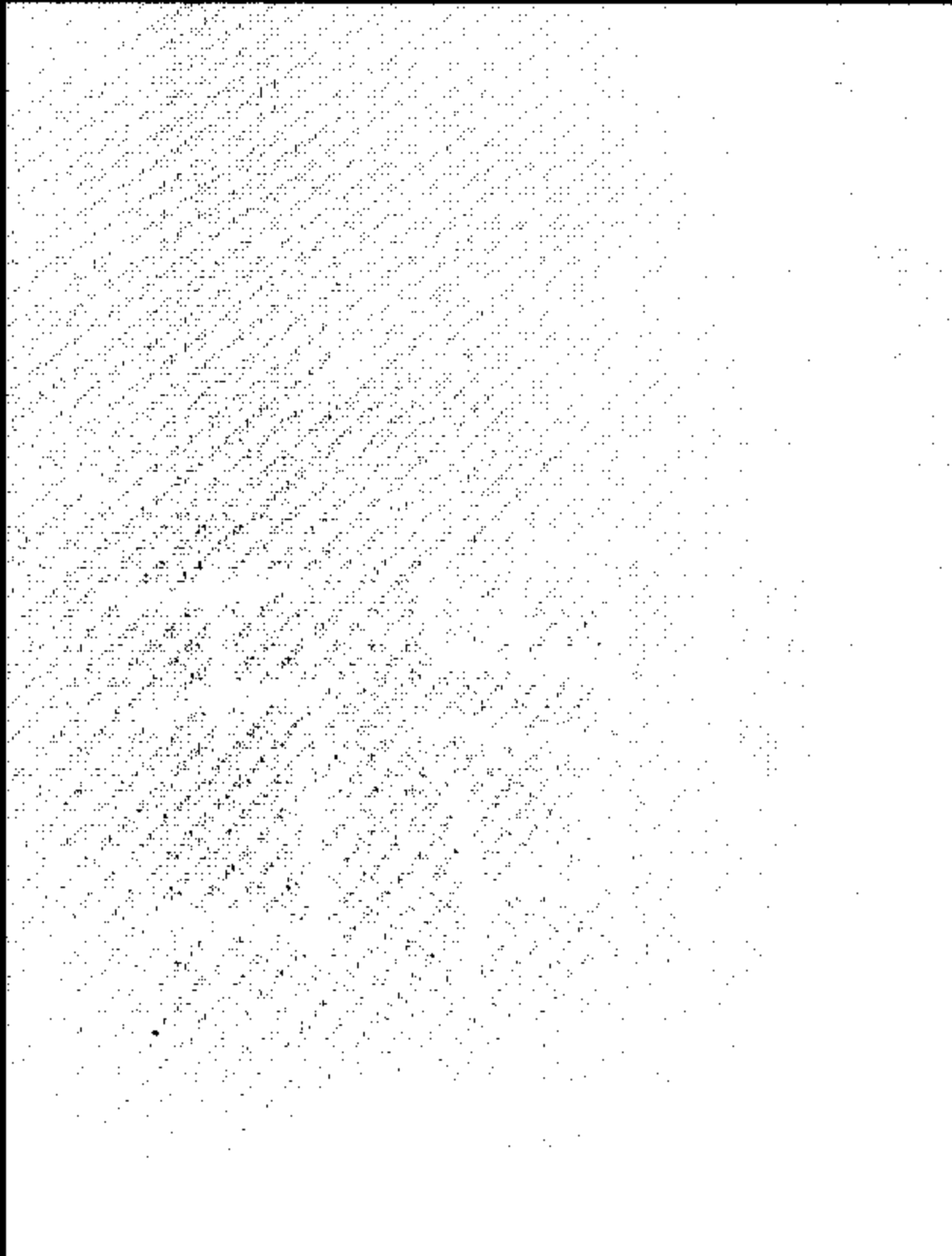
6.7.3 post-test photo #3 of SFADII test 1 of 2



6.7.4 post-test photo #4 of SEADII test 1 of 2



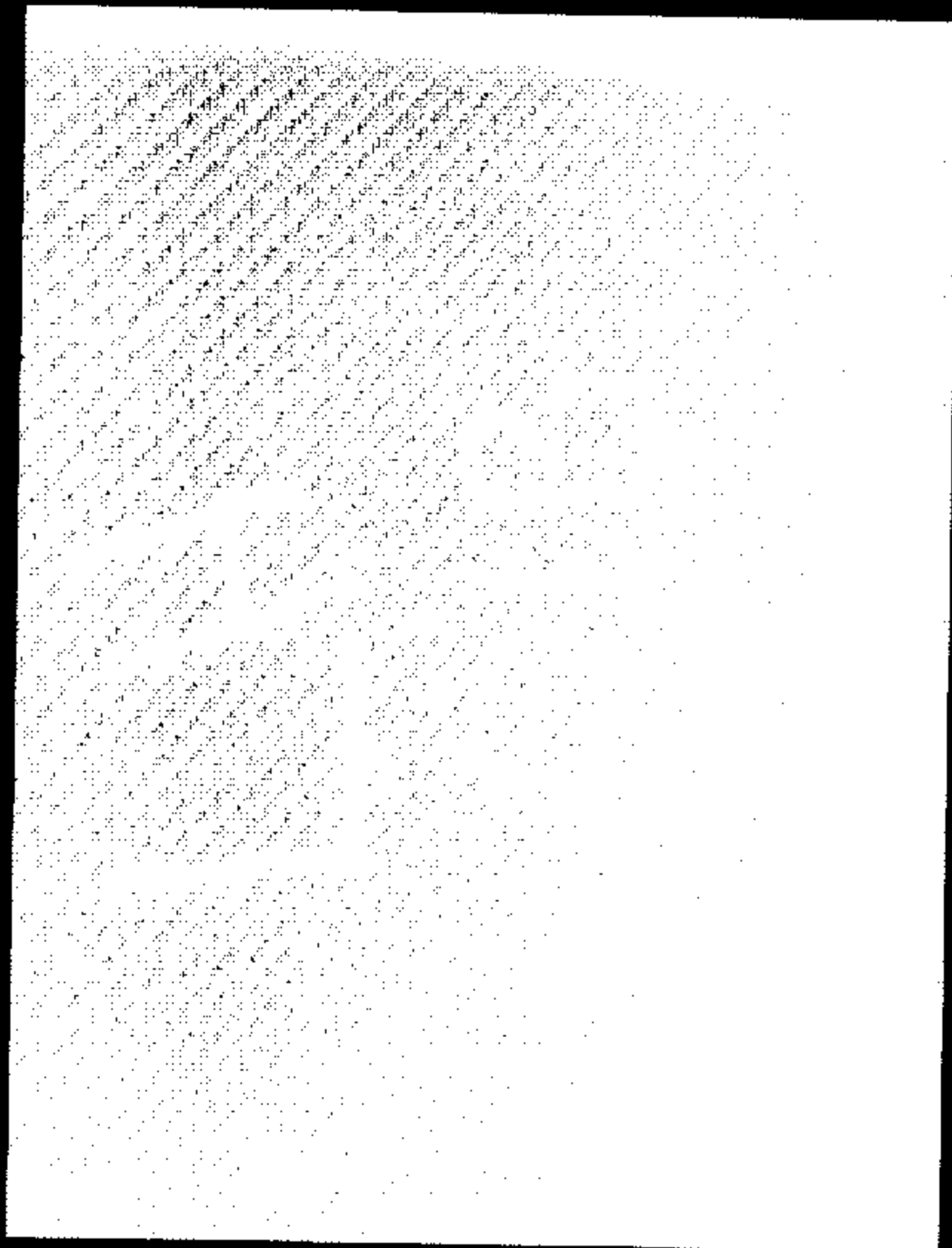
6.7.5 post-test photo #5 of SFADII test 1 of 2



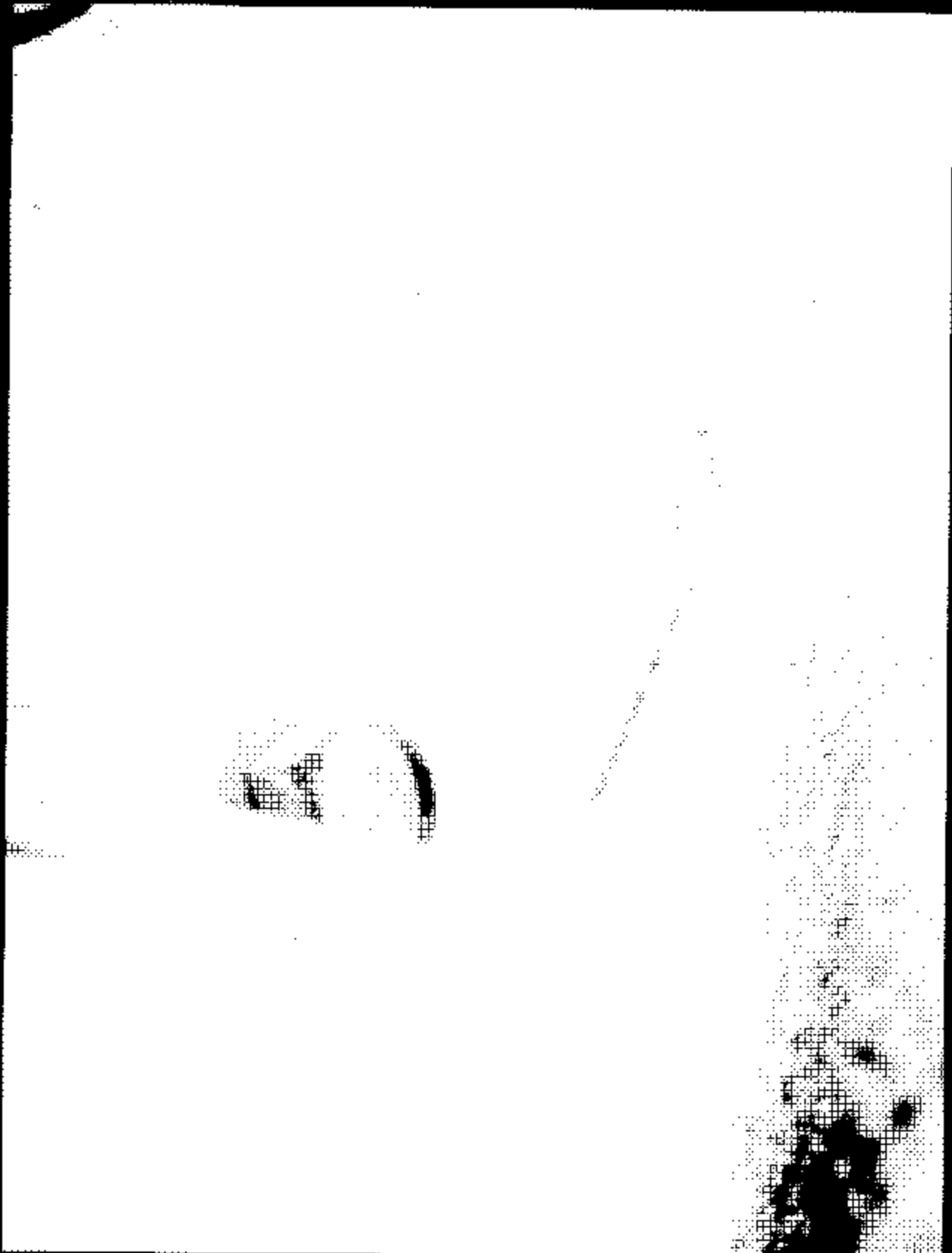
6.7.6 post-test photo #6 of SFADII test 1 of 2



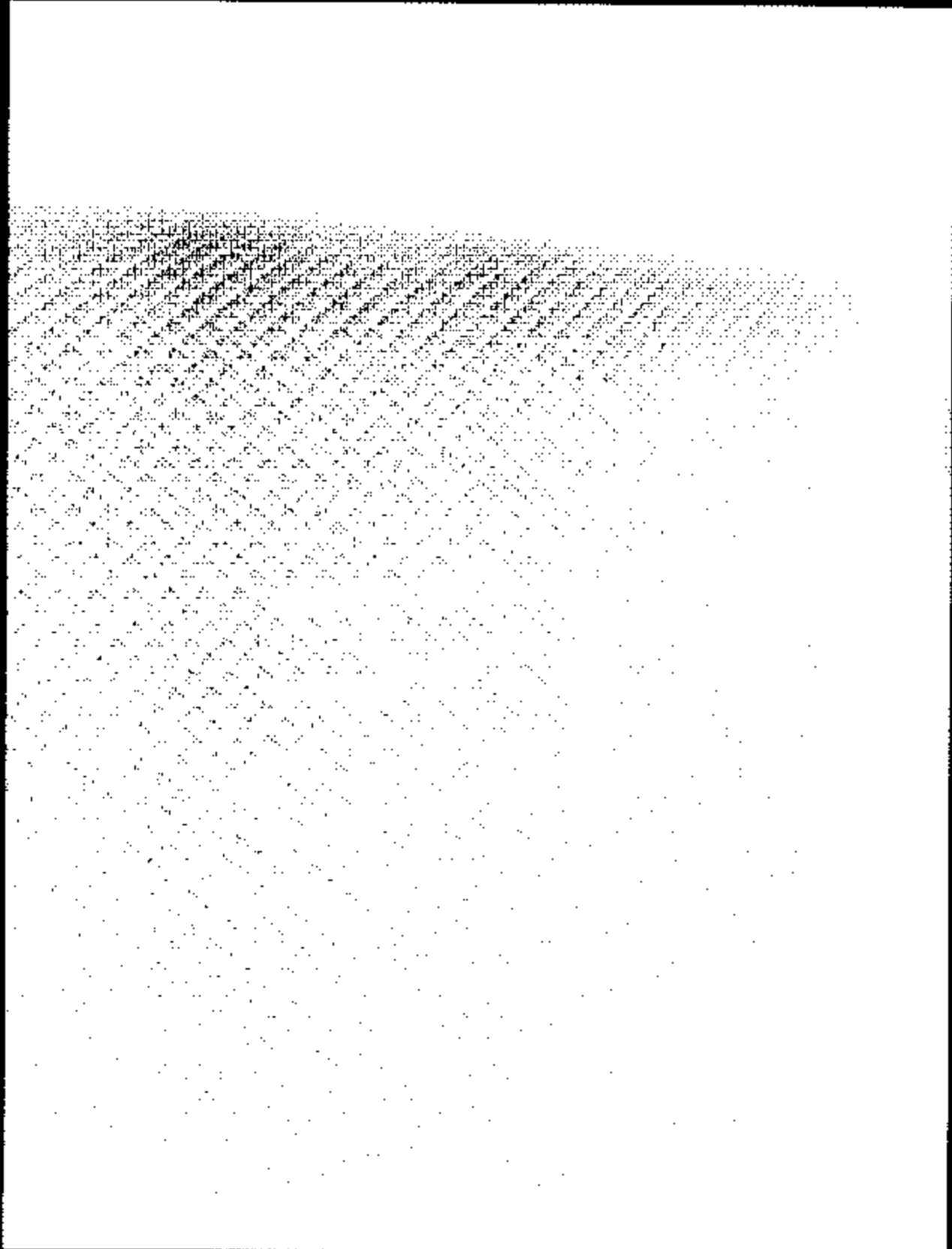
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6.7.8 post-test photo #8 of SFADII test 1 of 2



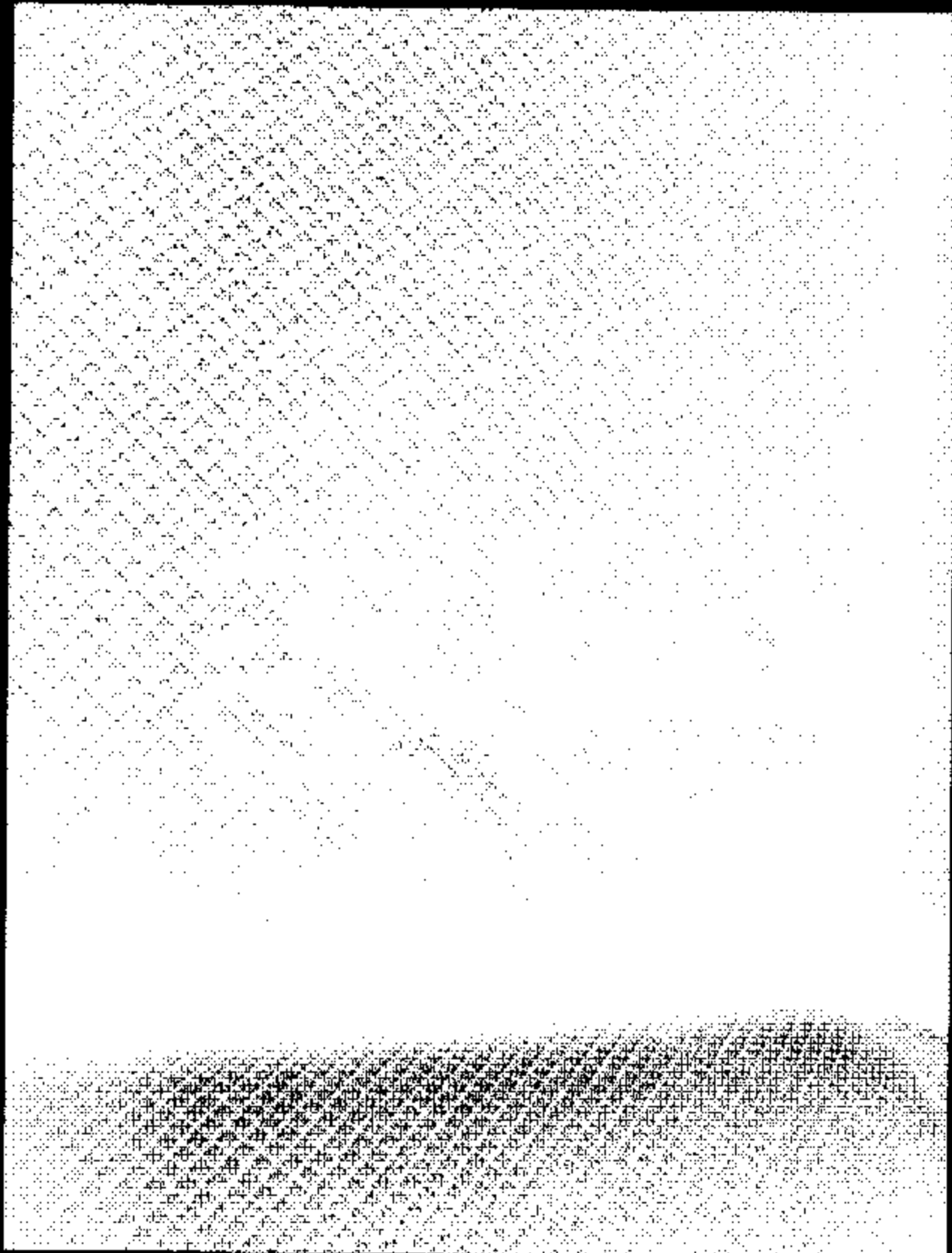
6.7.9 post-test photo #9 of SFADII test 1 of 2



6.7.10 post-test photo #10 of SFADII test 1 of 2



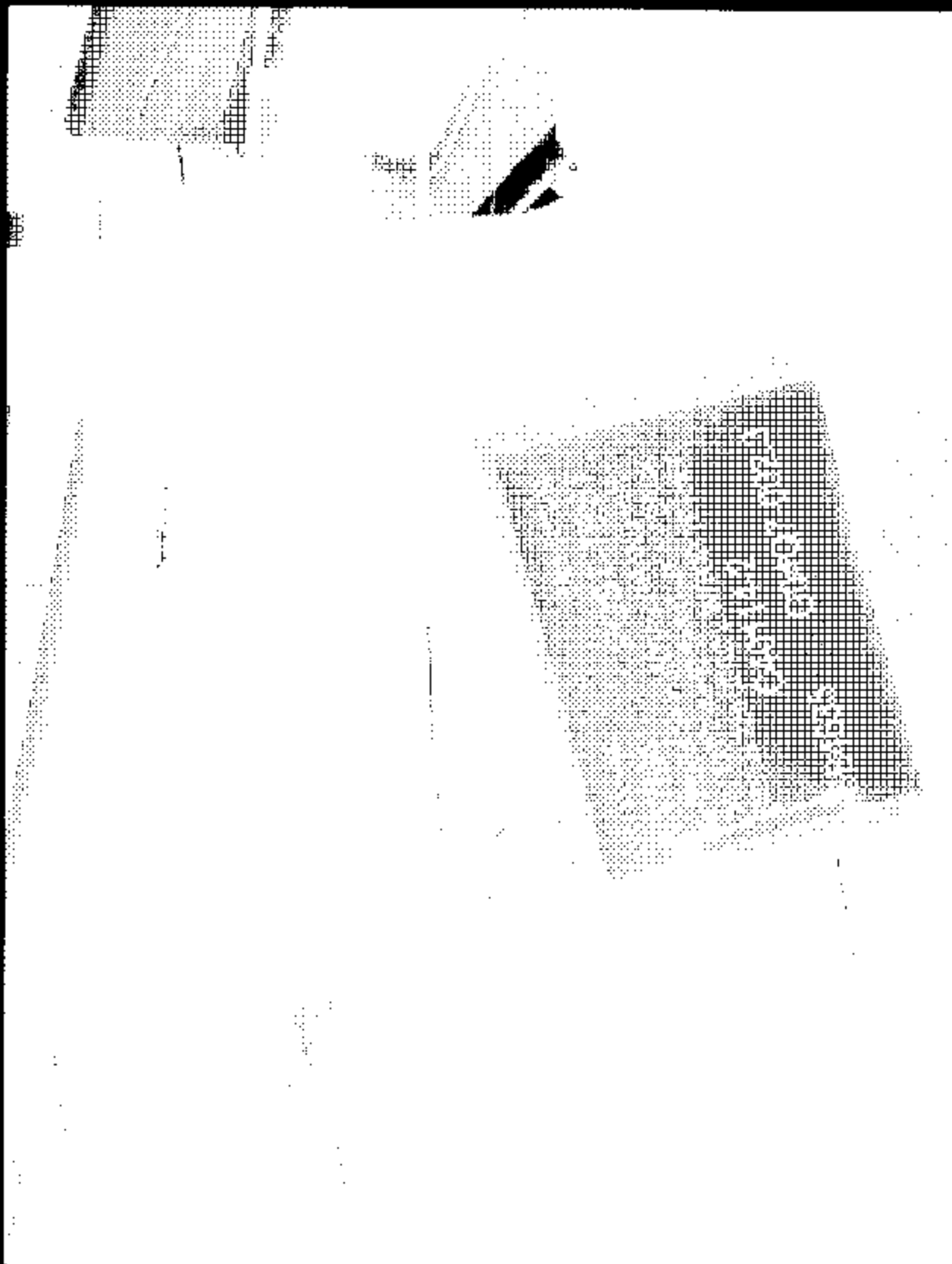
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6.7.12 post-test photo #12 of SFADII test 1 of 2



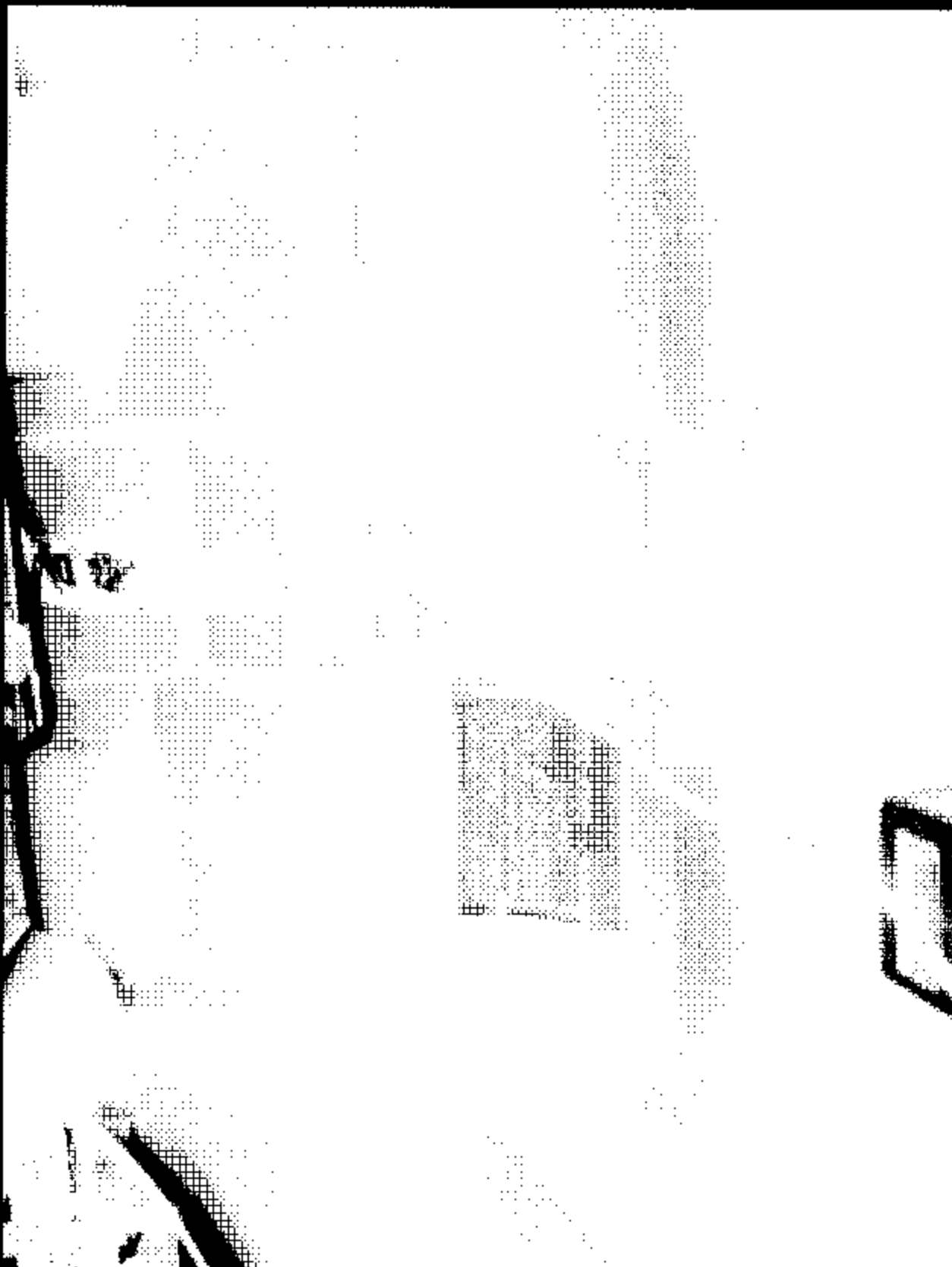
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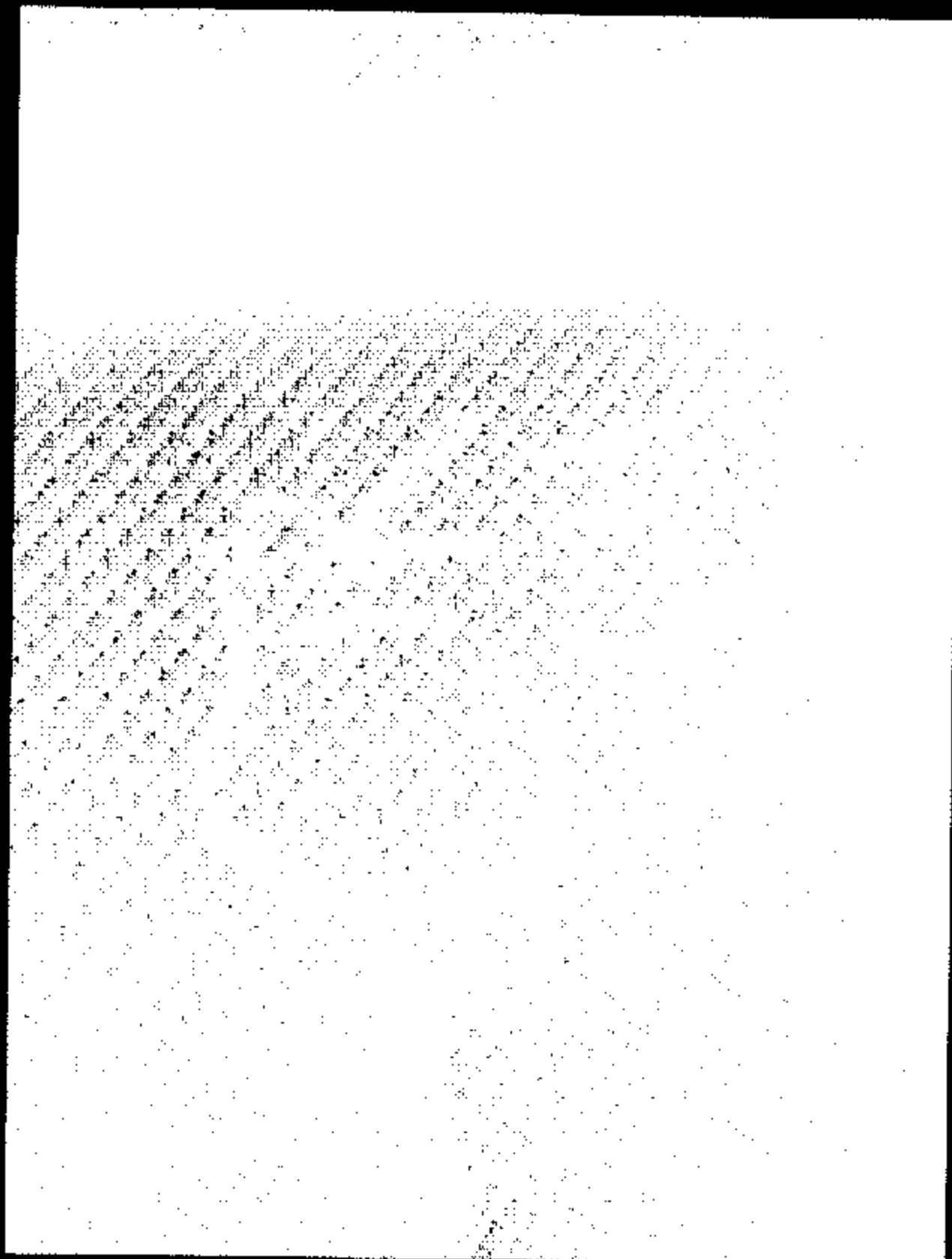
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6.7.15 post-test photo #15 of SFADII test 2 of 2



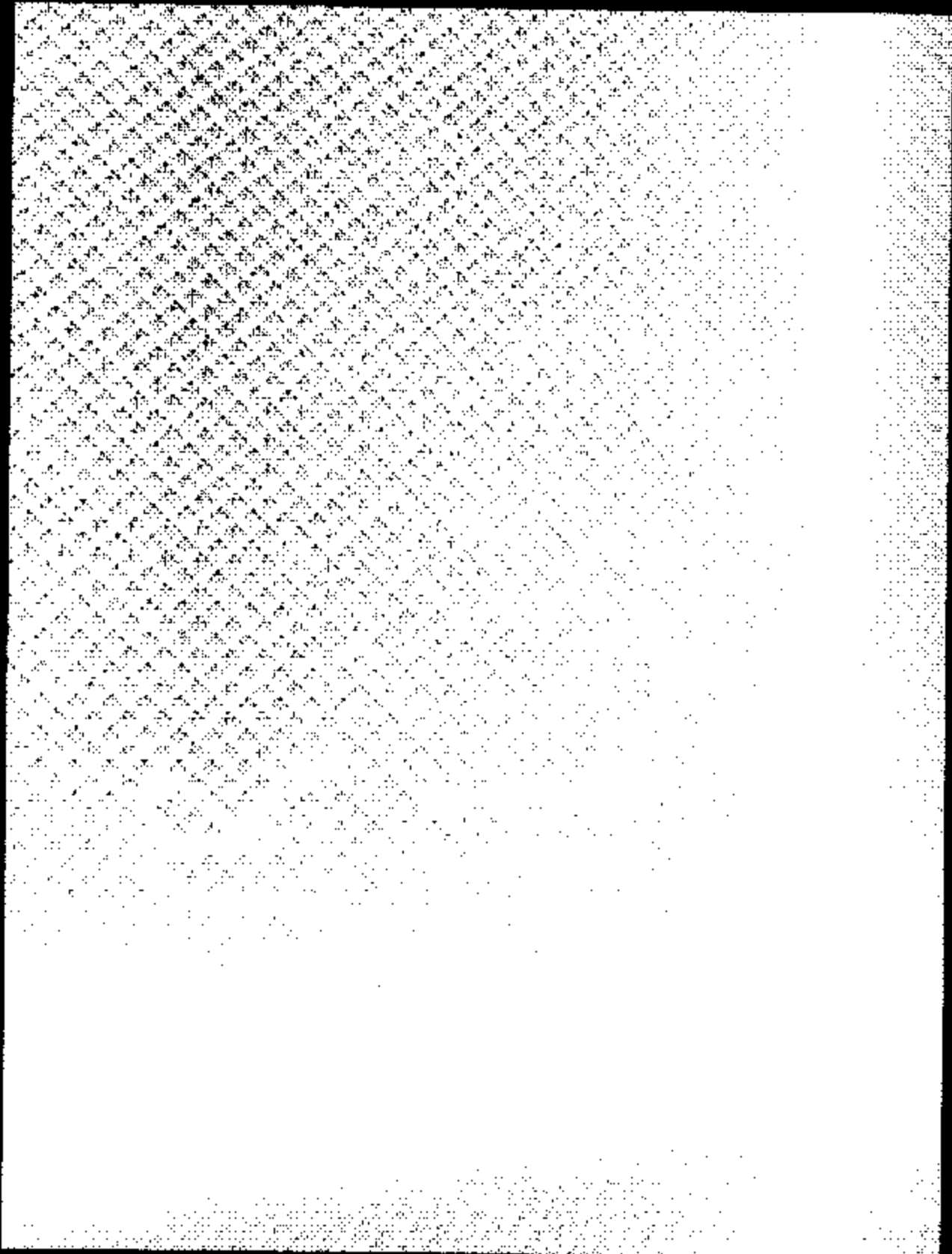
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6.7.17 post-test photo #17 of SFADII test 2 of 2



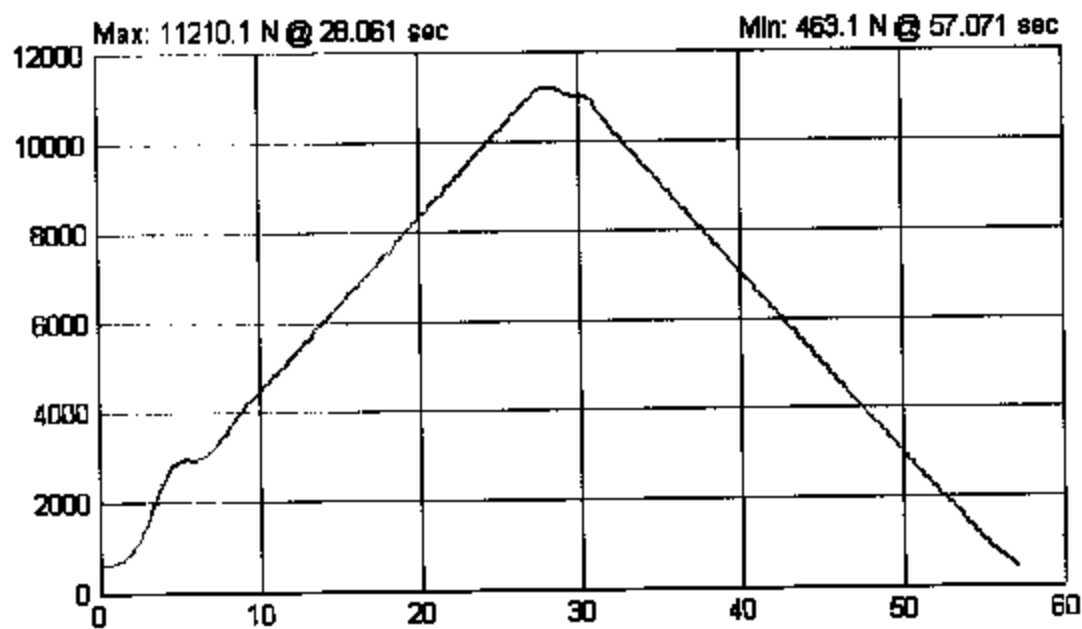
6.7.18 post-test photo #18 of SFADII test 2 of 2



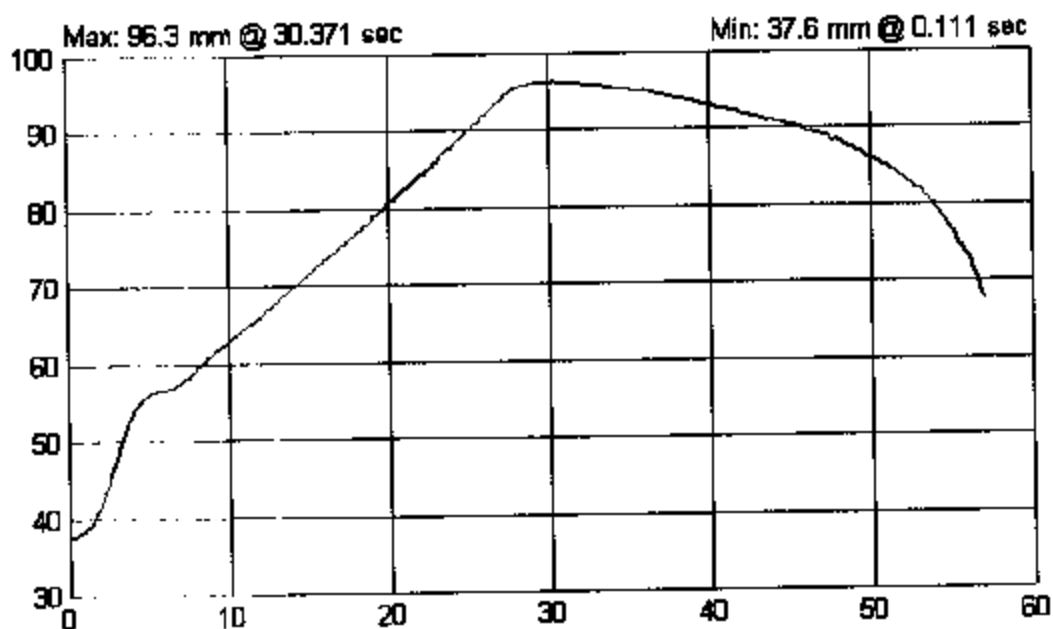
6.7.19 post-test photo #19 of SFADII test 2 of 2



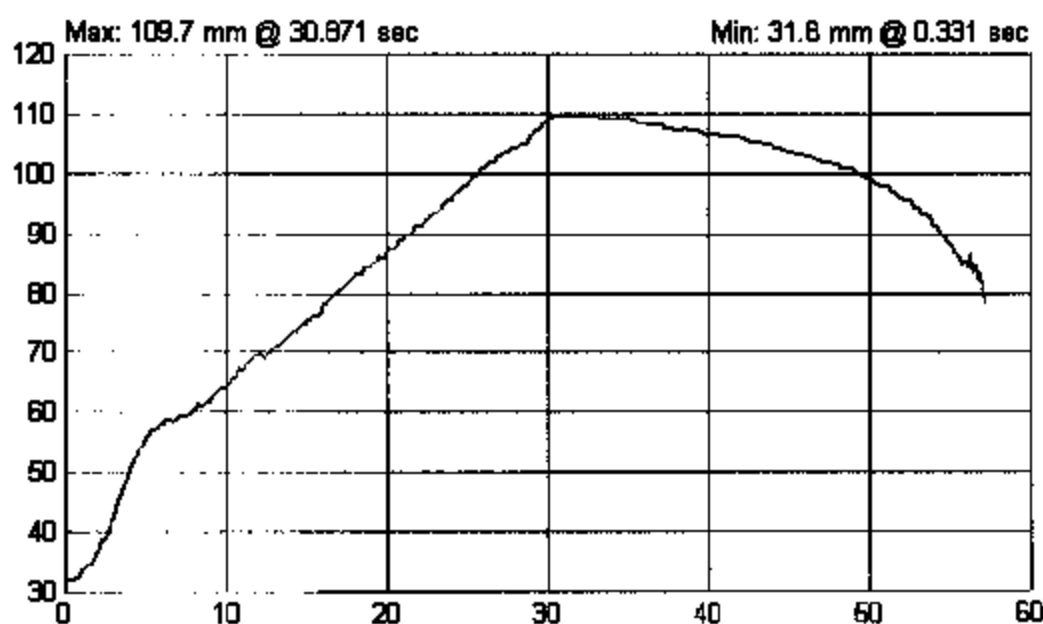
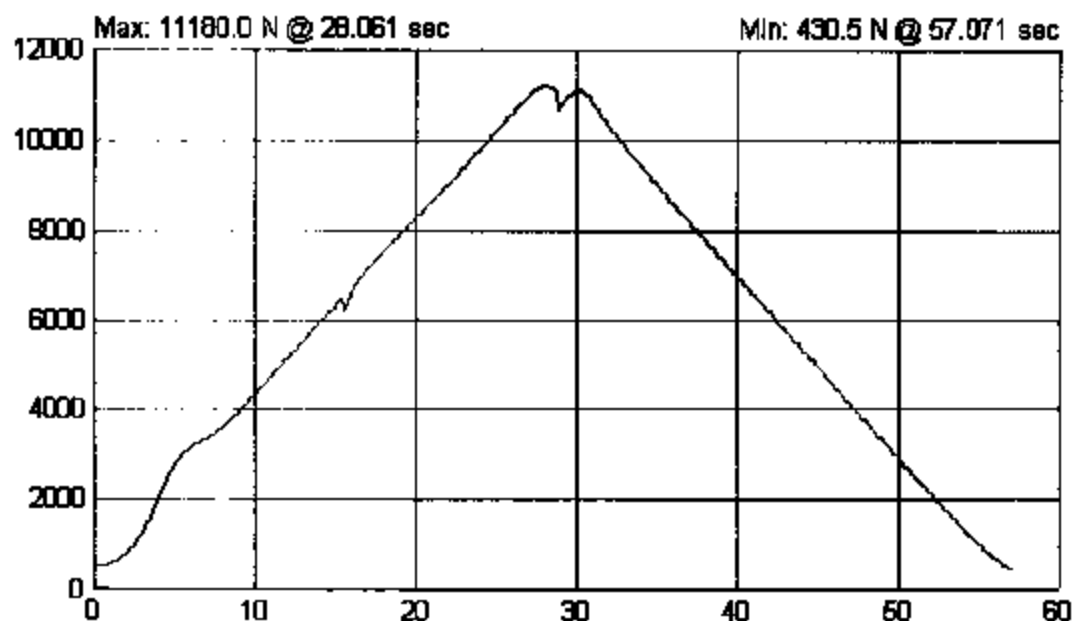
7.0 PLOTS

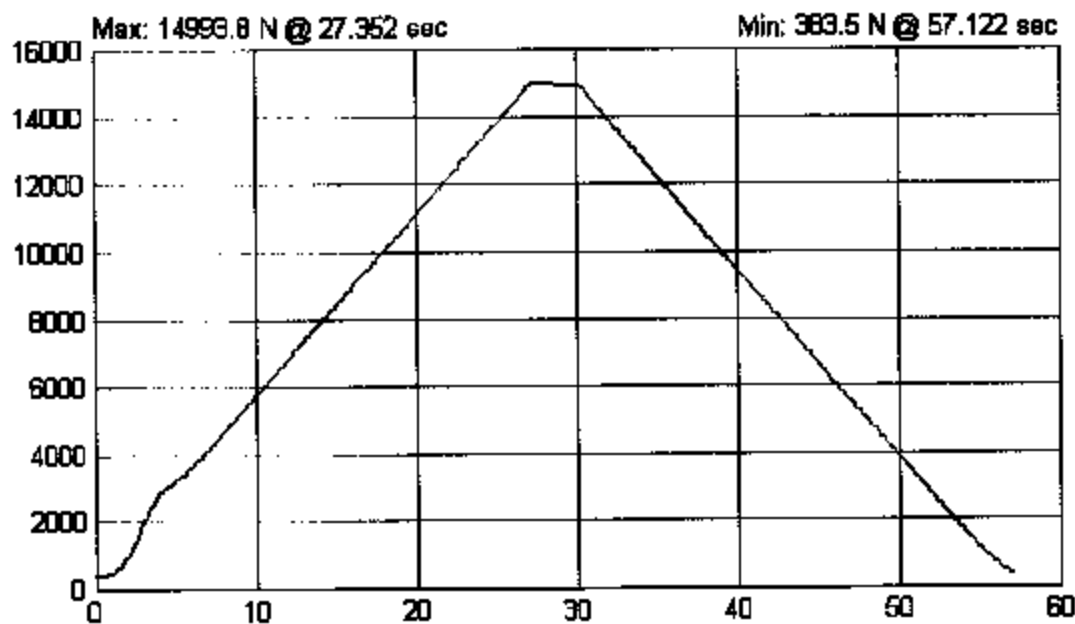


Run# SB4634: Lower Anchor Test (S9.4.1)-2R LH Load (N) vs. Time (sec)



Run# SB4634: Lower Anchor Test (S9.4.1)-LH SFAD 2 X Disp. (mm) vs. Time (sec)





Run# SB4635: Lower Anchor and Top TetherTest (S6.3.1)-2R CTR Load (N) vs. Time (sec)

8.0 REPORT of VEHICLE CONDITION

REPORT OF VEHICLE CONDITION AT THE COMPLETION OF TESTING

CONTRACT No.: DTNH22-02-D-11043

DATE: August 17, 2004

From: MGA Research Corporation, 446 Executive Drive, Troy, MI 48083

To: NHTSA, OVSC, NVS-221

The following vehicle has been subjected to compliance testing for FMVSS No. 208 and 225

The vehicle was inspected upon arrival at the laboratory for the test and found to contain all of the equipment listed below. All variances have been reported within 2 working days of vehicle arrival, by letter, to the NHTSA Industrial Property Manager (NAD0-30), with a copy to the OVSC COTR. The vehicle is again inspected, after the above test has been conducted, and all changes are noted below. The final condition of the vehicle is also noted in detail.

VEH. MOD YR/MAKE/MODEL/BODY: 2004 Pontiac Grand Prix

VEH. NHTSA NO.: C40114 VIN: 2G2WP522041

COLOR: Beige

ODOMETER READINGS: ARRIVAL unknown miles Date: 5/19/04
COMPLETION unknown miles Date: 8/17/04

PURCHASE PRICE: N/A DEALER'S NAME: Buckles Motors, Inc.

ENGINE DATA: 6 cylinder, 3800 cu. in.

TRANSMISSION DATA: X Automatic Manual No. of Speeds 5

FINAL DRIVE DATA: Rear Drive X Front Drive 4 Wheel Drive

CHECK APPROPRIATE BOXES FOR VEHICLE EQUIPMENT:

TEST LABORATORY: MGA Research Corporation

OBSERVERS: Melanie Schiok, Brad Reaume, Kenney Godfrey

☒	Air Conditioning	☐	Traction Control	☒	Clock
☐	Tinted Glass	☐	All Wheel Drive	☐	Roof Rack
☒	Power Steering	☒	Speed Control	☒	Console
☒	Power Windows	☒	Rear Window Defroster	☒	Driver Air Bag
☒	Power Door Locks	☐	Sun Roof or T-Top	☒	Passenger Air Bag
☐	Power Seat(s)	☒	Tachometer	☒	Front Disc Brakes
☒	Power Brakes	☒	Tilt Steering Wheel	☒	Rear Disc Brakes
☒	Antilock Brake System	☒	AM/FM/Compact Disc	☐	Other

REMARKS:

Salvage only.

Equipment that is no longer on the test vehicle as noted on previous pages:

All equipment inventoried and placed in vehicle.

Explanation for equipment removal:

Windshield and front seats were removed before conducting the testing.

Test Vehicle Condition:

Salvage only.

RECORDED BY: Melanie Schick, Kenney Godfrey

DATE: August 17, 2004

APPROVED BY: Brad Reaume

APPENDIX A
OWNERS MANUAL CHILD RESTRAINT SYSTEMS

Upon receipt of vehicle C40114 – 2004 Pontiac Grand Prix, no owner's manual was present.

NO INFORMATION AVAILABLE

APPENDIX B
MANUFACTURER'S DATA (OVSC FORM 1)

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DOT OVSC 221

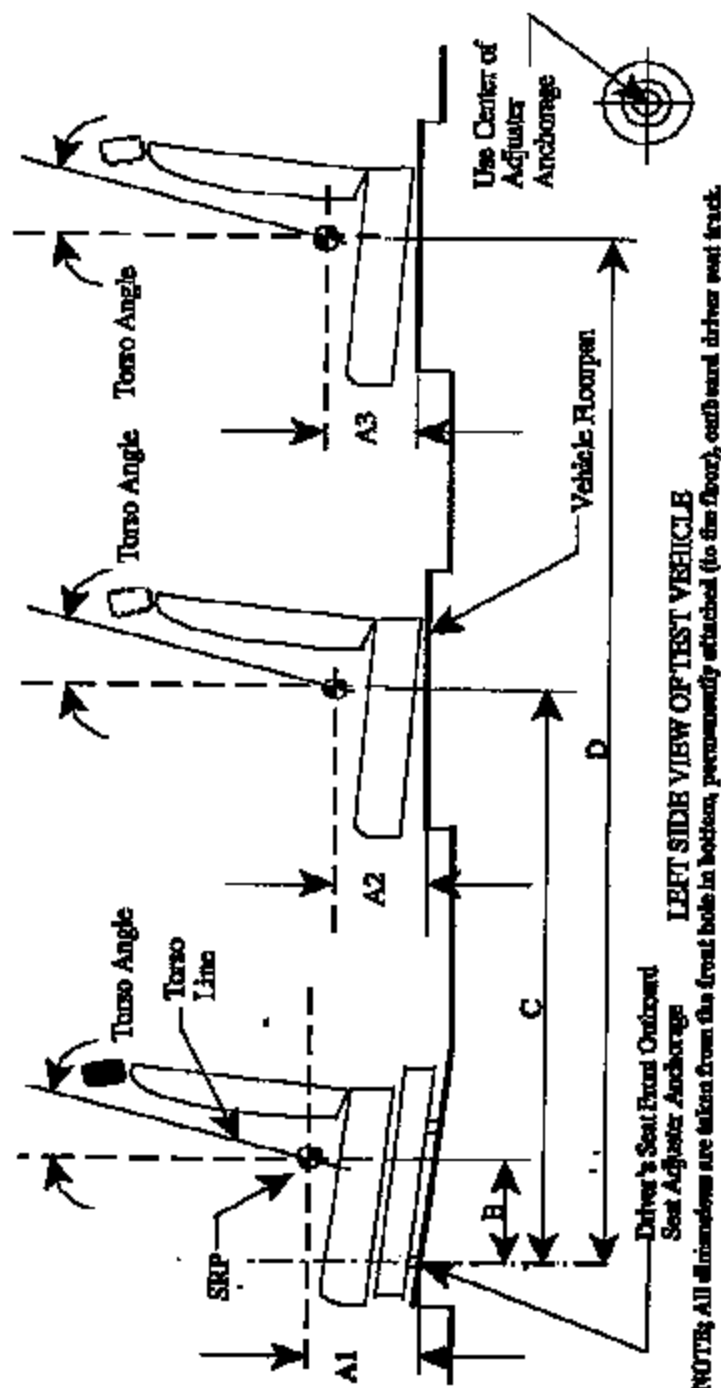
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A 14
Page 1 of 12

SEAT REFERENCE POINT (SRP) AND TORSO ANGLE DATA
FOR FMVSS 225
(All dimensions in mm¹)

Model Year: 2004; Make: Pontiac; Model: Grand AM; Body Style: 4 Door Sedan
Seat Style: Front row: Buckle; Second row: Bench; Third row: N/A



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Table 1. Seating Positions and Torso Angles

	Left (Driver Side)	Center (if any)	Right
A1	(Driver) 172.2mm	N/A	(Front Passenger) 172.2mm
A2*	183.2mm	216.2mm	183.2mm
A3	N/A	N/A	N/A
B	340.4mm	N/A	340.4mm
C	1145.4	1175.4mm	1145.5mm
D	N/A	N/A	N/A
Torso Angle (degree)	Front Row 24°	N/A	24°
	Second Row 28°	28°	28°
	Third Row N/A	N/A	N/A

Note: 1. All dimensions are in mm. If not, provide the unit used.
Note: Dimension A2 is taken from the hole in the outboard driver seat track noted on Page 1 of this form.

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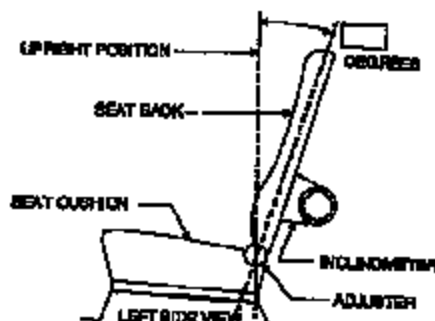
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NOMINAL DESIGN RIDING POSITION -

For adjustable driver, passenger, 2nd row and 3rd row seat backs, describe how to position the inclinometer to measure the seat back angle. Include description of the location of the adjustment latch detent if applicable. Indicate if applicable, how the detents are numbered (In the first detent "0" or "1"?). Indicate if the seat back angle is measured with the dummy in the seat.



Seat back angle for driver's seat = 27° degrees

Measurement Instructions:

Expose the rear of the outboard metal seat frame upright by cutting through the seat back material (rear face of the front seat back). Place the inclinometer on the rear surface of the metal seat frame approximately 200mm above the seat back pivot.

Seat back angle for passenger's seat = ____ degrees

Measurement Instructions:

Same as driver's seat.

Seat back angle for 2nd row seat = N/A degrees

Measurement Instructions:

Seat back is fixed.

Seat back angle for 3rd row seat = ____ degrees

Measurement Instructions:

No third row.

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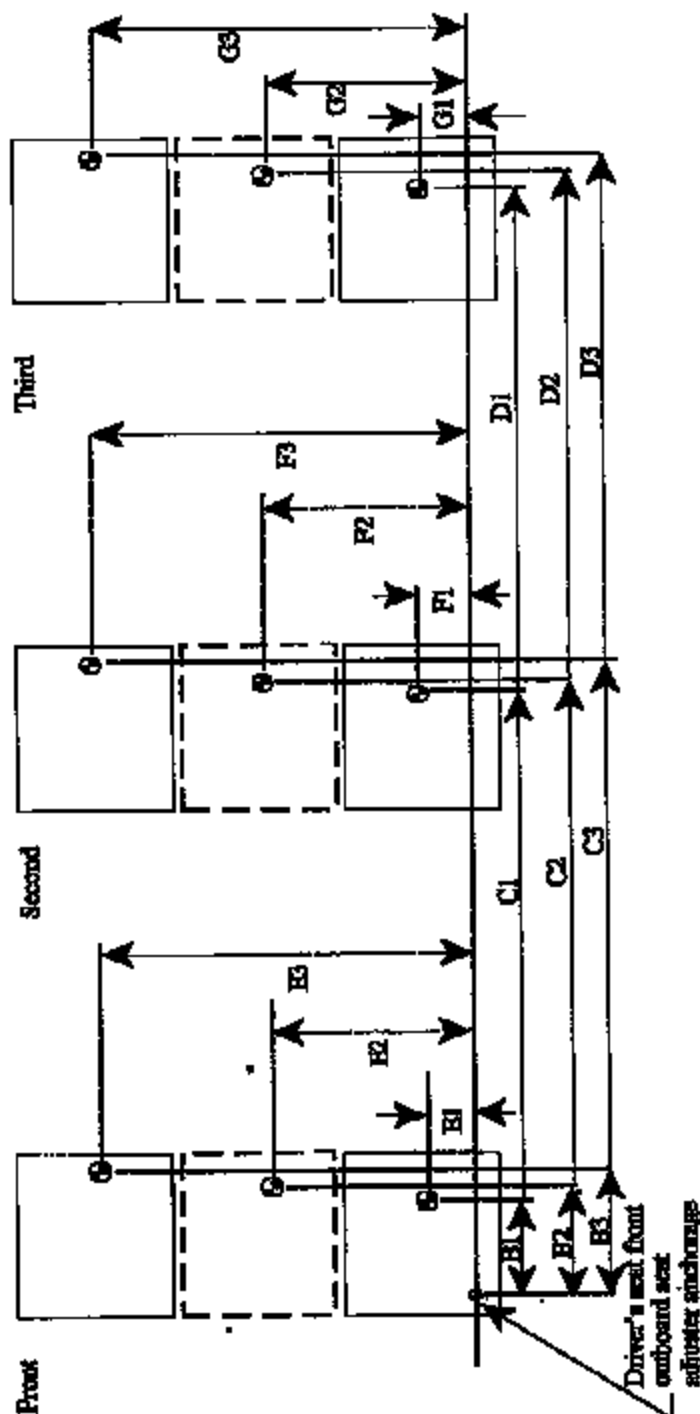
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SEATING REFERENCE POINT
 FOR FMVSS 225
 (All dimensions in mm)
 (Note: The Child Restraint Anchorage Location determines the 225 SRP locations)

Model Year: 2004; Make: Pontiac; Model: Grand AM; Body Style: 4 Door Sedan
 Seat Style: Front row: Buckled; Second row: Bench; Third row: N/A



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Table 2. Seating Reference Point and Tether Anchorage Locations

Seating Reference Point (SRP)		Distance from Driver's front outboard seat adjuster anchorage ¹
Front Row	B1	340.4mm
	E1	153mm
	B2	N/A
	E2	N/A
	B3	340.4mm
	E3	845.0mm
Second Row	C1	1145.4mm
	F1	149mm
	C2	1175.4mm
	F2	499mm
	C3	1145.4mm
	F3	849mm
Third Row N/A	D1	
	G1	
	D2	
	G2	
	D3	
	G3	

Note: 1. Use the center of anchorage.

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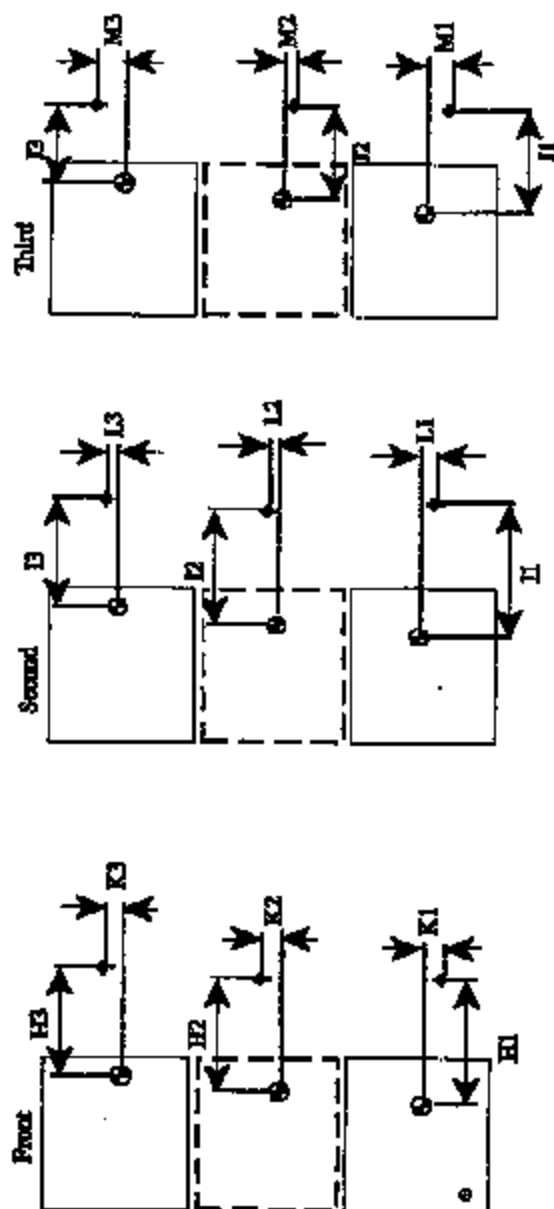
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**TETHER ANCHORAGE LOCATIONS
 FOR FMVSS 225**
 (All dimensions in mm)

Model Year: 2004; Make: Pontiac; Model: Grand AM; Body Style: 4 Door Sedan
 Seat Style: Front row: Bucket; Second row: Bench; Third row: N/A



●: SHP
 +: Tether anchorage

Note 1: The location shall be measured at the center of anchorage.

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Table 3. Seating Reference Point and Tether Anchorage Locations

Seating Reference Point (SRP)	Distance from SRP	
Front Row N/A	H1	
	K1	
	H2	
	K2	
	H3	
	K3	
Second Row	I1	643mm
	L1	193mm
	I2	535mm
	L2	0mm
	I3	643mm
	L3	193mm
Third Row N/A	J1	
	M1	
	J2	
	M2	
	J3	
	M3	

Note: 1. Use the center of anchorage.

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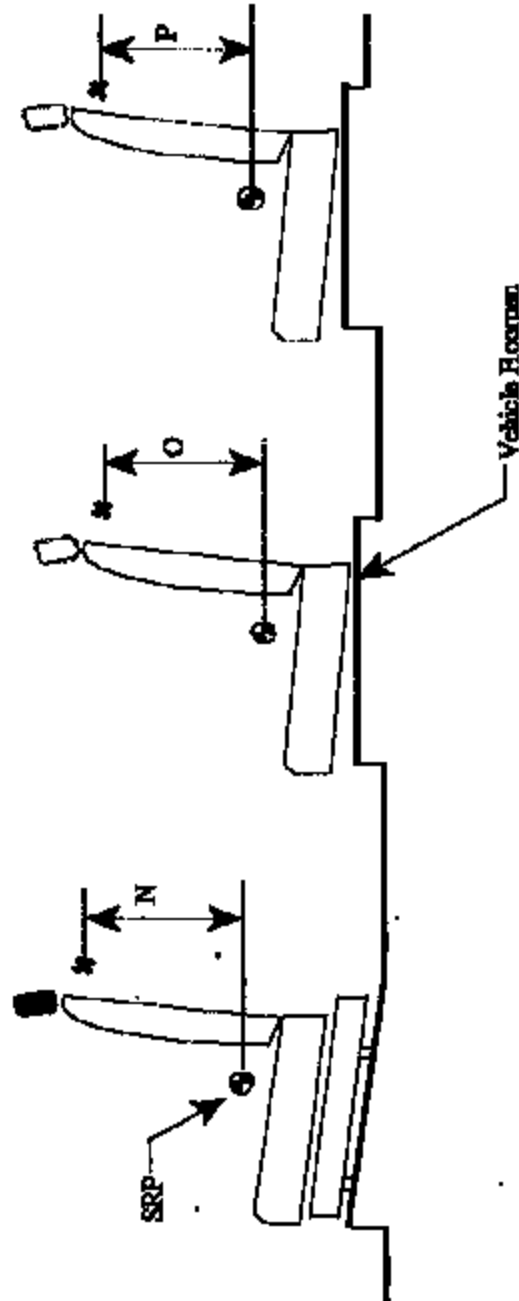
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SEATBELT ANCHORAGE LOCATIONS - VERTICAL
FOR FMVSS 225
(All dimensions in mm)

Model Year: 2004; Make: Pontiac; Model: Grand AM; Body Style: 4 Door Sedan
Seat Style: Front row: Bucket; Second row: Bench; Third row: N/A



LEFT SIDE VIEW OF TEST VEHICLE

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Table 4. Vertical Dimension For The Tether Anchorage

Seating Row	Vertical Distance from Seating Reference Point
Front Row	N1 (Driver) N/A
N/A	N2 (Center)
	N3 (Right)
Second Row	O1 (Left) 595mm
	O2 (Center) 532.6mm
	O3 (Right) 595mm
Third Row	P1 (Left)
N/A	P2 (Center)
	P3 (Right)

Note: 1. All dimensions are in mm. If not, provide the unit anchorage.

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DOT OVSC 221

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Test Procedures Used for Compliance Tests

Lower Anchorages

For each seating location in each row record applicable FMVSS Section		FMVSS 225 Section(s)			
Block 1		Lower anchorage location certification method used (Enter applicable section used in block 1 of each position by circling A or B) A) 9.2.1 or B) 15.1.2.2			
Block 2		Lower anchorage dimension (Enter applicable section used in block 2 by circling A or B) A) 9.1.1 or B) 15.1.2.2 (also provide roll and yaw angles) pitch _____° roll _____° yaw _____°			
Block 3		Lower anchorage marking (Enter applicable section used in block 3 by circling A or B) A) 9.5 or B) 15.4			
Block 4		Strength requirement (Enter applicable section used in block 4 by circling A or B) A) Section 9 or B) Section 15			
	Driver	N/A			
Front	Center (if any)	Block 1 A B	Block 2 A B Pitch " Roll " Yaw "	Block 3 A B	Block 4 A B
	Right (if any)	Block 1 A B	Block 2 A B Pitch " Roll " Yaw "	Block 3 A B	Block 4 A B
Second	Left	Block 1 A B	Block 2 A B Pitch 15° Roll 4° Yaw 0°	Block 3 A B	Block 4 A B
	Center	Block 1 A B	Block 2 A B Pitch " Roll " Yaw "	Block 3 A B	Block 4 A B
	Right (if any)	Block 1 A B	Block 2 A B Pitch 14° Roll 1° Yaw 0°	Block 3 A B	Block 4 A B
Third	Left	Block 1 A B	Block 2 A B Pitch " Roll " Yaw "	Block 3 A B	Block 4 A B
	Center	Block 1 A B	Block 2 A B Pitch " Roll " Yaw "	Block 3 A B	Block 4 A B
	Right	Block 1 A B	Block 2 A B Pitch " Roll " Yaw "	Block 3 A B	Block 4 A B
Fourth	Left	Block 1 A B	Block 2 A B Pitch " Roll " Yaw "	Block 3 A B	Block 4 A B
	Center	Block 1 A B	Block 2 A B Pitch " Roll " Yaw "	Block 3 A B	Block 4 A B
	Right	Block 1 A B	Block 2 A B Pitch " Roll " Yaw "	Block 3 A B	Block 4 A B

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Test Procedures Used for Compliance Tests

Tether Anchorages

For each seating location in each row record applicable FMVSS Section		FMVSS Section(s) - Req.		
Block 1		Tether anchorage location certification method used (Enter applicable section used in block 1 by circling A, B, C, D, E or F) A) 6.2.1 B) 6.2.1.1 C) 6.2.1.2 D) 6.2.2 E) 6.2.2.1 F) 6.2.2.2		
Block 2		Number or tether anchorages based upon the applicable section (Enter applicable section used in block 2 by circling A or B) A) 4.4 B) 4.5		
Block 3		Tether anchorage strength requirement (Enter applicable section used in block 3 by circling A, B, or C) A) 6.3.1 B) 6.3.2 C) 6.3.4		
Front	Driver	N/A		
	Center (if any)	Block 1 A B C D E F	Block 2 A B	Block 3 A B C
N/A	Right (if any)	Block 1 A B C D E F	Block 2 A B	Block 3 A B C
	Left	Block 1 A ☐ C D E F	Block 2 ☐ B	Block 3 A ☐ C
Second	Center	Block 1 A ☐ C D E F	Block 2 ☐ B	Block 3 A ☐ C
	Right	Block 1 A ☐ C D E F	Block 2 ☐ B	Block 3 A ☐ C
Third	Left	Block 1 A B C D E F	Block 2 A B	Block 3 A B C
	Center	Block 1 A B C D E F	Block 2 A B	Block 3 A B C
N/A	Right	Block 1 A B C D E F	Block 2 A B	Block 3 A B C
	Left	Block 1 A B C D E F	Block 2 A B	Block 3 A B C
Fourth	Center	Block 1 A B C D E F	Block 2 A B	Block 3 A B C
	Right	Block 1 A B C D E F	Block 2 A B	Block 3 A B C
N/A	Left	Block 1 A B C D E F	Block 2 A B	Block 3 A B C
	Center	Block 1 A B C D E F	Block 2 A B	Block 3 A B C