

REPORT NUMBER 225-GTL-04-006

**SAFETY COMPLIANCE TESTING FOR
FMVSS NO. 225
CHILD RESTRAINT ANCHORAGE SYSTEMS
LOWER AND TETHER ANCHORAGES**

**NISSAN MOTOR CO., LTD.
2004 NISSAN QUEST, MPV
NHTSA NO. C45203**

**GENERAL TESTING LABORATORIES, INC.
1623 LEEDSTOWN ROAD
COLONIAL BEACH, VIRGINIA 22443**



JULY 27, 2004

FINAL REPORT

PREPARED FOR

**U. S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
SAFETY ENFORCEMENT
OFFICE OF VEHICLE SAFETY COMPLIANCE
400 SEVENTH STREET, SW
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WASHINGTON, D.C. 20580**

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Acceptance Date:

8/4/04

1. Report No. 225-GTL-04-006	2. Government Accession No. N/A	3. Recipient's Catalog No. N/A
4. Title and Subtitle Final Report of FMVSS 225 Compliance Testing of 2004 NISSAN QUEST, MPV NHTSA No. C45203		5. Report Date July 27, 2004
		6. Performing Organ. Code GTL
7. Author(s) Grant Farrand, Project Engineer Debbie Messick, Project Manager		8. Performing Organ. Rep# GTL-DOT-04-225-006
9. Performing Organization Name and Address General Testing Laboratories, Inc. 1623 Leedstown Road Colonial Beach, Va 22443		10. Work Unit No. (TRAIS) N/A
		11. Contract or Grant No. DTNH22-02-D-01043
12. Sponsoring Agency Name and Address U.S. Department of Transportation National Highway Traffic Safety Admin. Safety Enforcement Office of Vehicle Safety Compliance (NVS-220) 400 7 th Street, S.W., Room 6111 Washington, DC 20590		13. Type of Report and Period Covered Final Test Report June 28, 2004
		14. Sponsoring Agency Code NVS-221
15. Supplementary Notes		
16. Abstract Compliance tests were conducted on the subject, 2004 Nissan Quest MPV in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-225T and TP-225L for the determination of FMVSS 225 compliance. Test failures identified were as follows: NONE		
17. Key Words Compliance Testing Safety Engineering FMVSS 225		18. Distribution Statement Copies of this report are available from NHTSA Technical Reference Div., Rm. 5108 (NPO-230) 400 7 th St., S.W. Washington, DC 20590 Telephone No. (202) 366-4946
19. Security Classif. (of this report) UNCLASSIFIED	21. No. of Pages 110	22. Price
20. Security Classif. (of this page) UNCLASSIFIED		

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Appendix A – Owner's Manual Child Restraint Information
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SECTION 1

PURPOSE OF COMPLIANCE TEST

1.0 PURPOSE OF COMPLIANCE TEST

A 2004 Nissan Quest MPV was subjected to Federal Motor Vehicle Safety Standard (FMVSS) No. 225 testing to determine if the vehicle was in compliance with the requirements of the standard. The purpose of this standard is to establish requirements for child restraint anchorage systems to ensure their proper location and strength for the effective securing of child restraints, to reduce the likelihood of the anchorage systems' failure and to increase the likelihood that child restraints are properly secured and thus more fully achieve their potential effectiveness in motor vehicles.

1.1 The test vehicle was a 2004 Nissan Quest MPV. Nomenclature applicable to the test vehicle are:

A. Vehicle Identification Number: 5N1BV28U94N320161

B. NHTSA No.: C45203

C. Manufacturer: NISSAN MOTOR CO., LTD.

D. Manufacture Date: 09/03

1.2 TEST DATE

The test vehicle was subjected to FMVSS No. 225 testing during the time period June 28, 2004.

SECTION 2

COMPLIANCE TEST RESULTS SUMMARY

2.0 TEST RESULTS

All tests were conducted in accordance with NHTSA, Office of Vehicle Safety Compliance (OVSC) Laboratory Procedures, TP-225T dated 3 May 2001 and TP-225L dated 11, June, 2001.

Based on the test performed, the 2004 Nissan Quest MPV appeared to meet the requirements of FMVSS 225 testing. Strength and displacement summary data are provided below.

Table 1. Summary Data for Strength and Displacement

GTL Test #	Fixture Type	Seating Position	Max. Load (N)	Displacement (mm)
5234	SFAD 2 Tether Strap	2 ND Row Right	14,914	87.5
5235	Lower Anchorage	2 ND Row Left	10,858	51.2
5236	SFAD 2 Tether Strap	3 rd Row Center	14,923	116.0

Table 2. General Test and Vehicle Parameter Data

VEH. MOD YR/MAKE/MODEL BODY	2004 Nissan Quest
VEH. NHTSA NO.	C45203
VIN	5N1BV28U94N320161
VEH. BUILD DATE	09/03
TEST DATE	06/28/04
TEST LABORATORY	GTL
OBSERVERS	Grant Farrand, Jimmy Latane

GENERAL INFORMATION:

Date Received: 10/23/03 Odometer Reading: 83

DATA FROM VEHICLE'S CERTIFICATION LABEL:

Vehicle Manufactured by: NISSAN MOTOR CO., LTD.

Date of Manufacture: 09/03 VIN: 5N1BV28U94N320161

GVWR: 2600 kg GAWR FRONT: 1310 kg
GAWR REAR: 1340 kg

SECTION 3

COMPLIANCE TEST DATA

3.0 TEST RESULTS

The following data sheets document the results of testing on the 2004 Nissan Quest MPV.

DATA SHEET 1
CHILD RESTRAINT TETHER ANCHORAGE CONFIGURATION

VEH. MOD YR/MAKE/MODEL/BODY: 2004 NISSAN QUEST MPV

VEH. NHTSA NO: C45203; VIN: 5N1BV28U94N320181

VEH. BUILD DATE: 09/03; TEST DATE: JUNE 28, 2004

TEST LABORATORY: GENERAL TESTING LABORATORIES

OBSERVERS: GRANT FARRAND, JIMMY LATANE

Number of DSP's in Test Vehicle As Stated on Tire Label using Figures for Maximum Vehicle Loading:

Front Seat= 2
 Rear Seat= 2
 Third Seat= 3
 Total= 7

SEATING POSITION		OBSERVED CONFIGURATION			
		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	Left	N/A	N/A	N/A	N/A
	Center	N/A	N/A	N/A	N/A
	Right	NO	N/A	N/A	N/A
Second	Left	YES	YES	YES	YES
	Center	N/A	N/A	N/A	N/A
	Right	YES	YES	YES	YES
Third	Left	NO	N/A	N/A	N/A
	Center	YES	YES	YES	YES
	Right	NO	N/A	N/A	N/A

REMARKS:

RECORDED BY: *G. Farrand*

DATE: 06/28/04

APPROVED BY: *D. Meric*

DATA SHEET 2
CHILD RESTRAINT LOWER ANCHORAGES CONFIGURATION

VEH. MOD YR/MAKE/MODEL/BODY: 2004 NISSAN QUEST MPV

VEH. NHTSA NO: C45203; VIN: 5N1BV28U94N320161

VEH. BUILD DATE: 09/03; TEST DATE: JUNE 28, 2004

TEST LABORATORY: GENERAL TESTING LABORATORIES

OBSERVERS: GRANT FARRAND, JIMMY LATANE

OBSERVED LOWER ANCHORAGE CONFIGURATION	SEAT POSITION					
	FRONT	REAR		THIRD		
		LEFT	RIGHT	LEFT	RIGHT	
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.	Left	N/A	YES	YES	N/A	
	Center	N/A	N/A		YES	YES
	Right	N/A	YES	YES	N/A	
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.	Left	N/A	NO	NO	N/A	
	Center	N/A	N/A		NO	NO
	Right	N/A	NO	NO	N/A	
Diameter of the bar (mm)	Left	N/A	6.01	6.01	N/A	
	Center	N/A	N/A		6.01	6.01
	Right	N/A	6.01	6.01	N/A	
Inspect if the bars are straight, horizontal and transverse	Left	N/A	YES	YES	N/A	
	Center	N/A	N/A		YES	YES
	Right	N/A	YES	YES	N/A	

DATA SHEET 2 CONTINUED
CHILD RESTRAINT LOWER ANCHORAGES CONFIGURATION

VEH. MOD YR/MAKE/MODEL/BODY: 2004 NISSAN QUEST MPV

VEH. NHTSA NO: C45203: VIN: 5N1BV28U94N320161

VEH. BUILD DATE: 09/03: TEST DATE: JUNE 28, 2004

TEST LABORATORY: GENERAL TESTING LABORATORIES

OBSERVERS: GRANT FARRAND, JIMMY LATANE

OBSERVED LOWER ANCHORAGE CONFIGURATION	SEAT POSITION			
		FRONT	REAR	THIRD
Inspect if the centroidal longitudinal axes are collinear within 5 degrees.	Left	N/A*	YES	N/A
	Center	N/A	N/A	YES
	Right	N/A	YES	N/A
Inspect 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.	Left	N/A*	YES 30 MM	N/A
	Center	N/A	N/A	YES 35 MM
	Right	N/A	YES 30 MM	N/A
Inspect if the bars can be connected to, over their entire inside length by the connectors of child restraint system.	Left	N/A*	YES	N/A
	Center	N/A	N/A	YES
	Right	N/A	YES	N/A
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.	Left	N/A*	280	N/A
	Center	N/A	N/A	280
	Right	N/A	280	N/A
Inspect if the bars are an integral and permanent part of the vehicle.	Left	N/A*	YES	N/A
	Center	N/A	N/A	YES
	Right	N/A	YES	N/A
Inspect if the bars are rigidly attached to the vehicle. If feasible, hold the bar firmly with two fingers and gently pull.	Left	N/A*	YES	N/A
	Center	N/A	N/A	YES
	Right	N/A	YES	N/A

* DRIVER'S SEAT

RECORDED BY: [Signature]
 APPROVED BY: [Signature]

DATE: 06/28/04

DATA SHEET 2 CONTINUED
CHILD RESTRAINT LOWER ANCHORAGES CONFIGURATION

VEH. MOD YR/MAKE/MODEL/BODY: 2004 NISSAN QUEST MPV

VEH. NHTSA NO: C45203; VIN: 5N1BV28U94N320181

VEH. BUILD DATE: 09/03; TEST DATE: JUNE 28, 2004

TEST LABORATORY: GENERAL TESTING LABORATORIES

OBSERVERS: GRANT FARRAND, JIMMY LATANE

OBSERVED LOWER ANCHORAGE CONFIGURATION	SEAT POSITION			
		FRONT	REAR	THIRD
Optional Marking: At least one anchorage bar (when deployed for use, if storable anchorages), one guidance fixture, or one seat marking is visible	Left	N/A*	N/A	N/A
	Center	N/A	N/A	N/A
	Right	N/A	N/A	N/A
Optional Marking: If guidance fixtures are used, the fixture(s) must be installed.	Left	N/A*	N/A	N/A
	Center	N/A	N/A	N/A
	Right	N/A	N/A	N/A

* DRIVER'S SEAT

RECORDED BY: [Signature]

DATE: 06/28/04

APPROVED BY: [Signature]

DATA SHEET 3 LOCATION AND DIMENSIONAL MEASUREMENTS

VEH. MOD YR/MAKE/MODEL/BODY: 2004 NISSAN QUEST MPV

VEH. NHTSA NO: C45203; VIN: 5N1BV28U94N320161

VEH. BUILD DATE: 09/03; TEST DATE: JUNE 28, 2004

TEST LABORATORY: GENERAL TESTING LABORATORIES

OBSERVERS: GRANT FARRAND, JIMMY LATANE

Number of DSP's in Test Vehicle As Stated on Tire Label using Figures for Maximum Vehicle Loading:

Front Seat= 2

Rear Seat= 2

Third Seat= 3

Total= 7

SEAT POSITION FOR TETHER		LOCATION OF DSPs	TETHER ANCHORAGE LOCATION	
		TETHER OBSERVED	REQUIRED	MEASURED Is it in the required zone?
FRONT	Left	N/A	N/A	N/A
	Center	N/A	N/A	N/A
	Right	NO	NO	N/A
SECOND	Left	YES	YES	YES
	Center	N/A	N/A	N/A
	Right	YES	YES	YES
THIRD	Left	NO	NO	N/A
	Center	YES	YES	YES
	Right	NO	NO	N/A

RECORDED BY: *[Signature]*

DATE: 06/28/04

APPROVED BY: *[Signature]*

DATA SHEET 3 CONTINUED
LOCATION AND DIMENSIONAL MEASUREMENTS

VEH. MOD YR/MAKE/MODEL/BODY: 2004 NISSAN QUEST MPV

VEH. NHTSA NO: C45203; VIN: 5N1BV28U94N320181

VEH. BUILD DATE: 09/03; TEST DATE: JUNE 28, 2004

TEST LABORATORY: GENERAL TESTING LABORATORIES

OBSERVERS: GRANT FARRAND, JIMMY LATANE

Number of DSP's in Test Vehicle As Stated on Tire Label using Figures for Maximum Vehicle Loading: Front Seat= 2 Rear Seat 2 Thrd Seat= 3 Total= 7

SEAT POSITION FOR LOWER ANCHORAGE		PRESENCE OF ANCHORAGES				COMMENTS		
		REQUIRED		OBSERVED				
FRONT		NONE		NONE		N/A		
REAR		2		2		LEFT & RIGHT		
THIRD		NONE		1		CENTER		
SEAT POSITIONS FOR LOWER ANCHORAGES		LOCATION OF ANCHORAGE				COMMENTS		
		MEASURED FROM "Z" (mm)		MEASURED FROM "SRP" (mm)				
		Left	Right	Left	Right	PITCH	ROLL	YAW
FRONT	Left	N/A		N/A		N/A		
	Center	N/A		N/A		N/A		
	Right	N/A		N/A		N/A		
REAR	Left	70	70	122	122	8°	0°	0°
	Center	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Right	70	70	125	125	8°	0°	0°
THIRD	Left	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Center	51	50	145	145	16°	0°	0°
	Right	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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 APPROVED BY: [Signature]

DATE: 06/28/04

DATA SHEET 4
ANCHORAGE STATIC LOADING

VEH. MOD YR/MAKE/MODEL/BODY: 2004 NISSAN QUEST MPV

VEH. NHTSA NO: C45203; VIN: 5N1BV28U94N320161

VEH. BUILD DATE: 08/03 ; TEST DATE: JUNE 28, 2004

TEST LABORATORY: GENERAL TESTING LABORATORIES

OBSERVERS: GRANT FARRAND, JIMMY LATANE

TEST # 5234, 5236

TETHER ANCHORAGE- WITH SFAD:

SEATING POSITION	Seat, Seat Back & Head Restraint positions			Type of SFAD used	Angle	Initial location	Onset rate	Force Applied	Final location	Horizontal Displacement
	Seat	Seat Back	Head Restraint							
Front	Driver	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Center	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Right	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Second	Left	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Center	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Right (If any)	FIXED	25°	UP	10°	0.0	577 N/SEC	14,914	87.5	87.5
Third	Left	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Center	FIXED	25°	UP	10°	0.0	577 N/SEC	14,923	116.0	116.0
	Right	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

REMARKS: TESTED TO S6.3.1

DATE: 06/28/04

RECORDED BY: *[Signature]*

APPROVED BY: *[Signature]*

DATA SHEET 5
ANCHORAGE STATIC LOADING

VEH. MOD YR/MAKE/MODEL/BODY: 2004 NISSAN QUEST MPV
 VEH. NHTSA NO: C45203; VIN: 5N1BV28U84N320161
 VEH. BUILD DATE: 09/03; TEST DATE: JUNE 28, 2004
 TEST LABORATORY: GENERAL TESTING LABORATORIES
 OBSERVERS: GRANT FARRAND, JIMMY LATANE

TEST # 5235

LOWER ANCHORAGE- FORWARD FORCE APPLICATION:

SEATING POSITION	Seat, Seat Back & Head Restraint positions			Measured Angles		Initial location	Onset rate	Force Applied	Final location	Displacement
	Seat	Seat Back	Head Restraint	Vertical	Horizontal					
Front	Driver	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Center	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Right	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Rear	Left	FIXED	25°	UP	10°	0.0	423 N/SEC	10,858	51.2	51.2
	Center	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Right (if any)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Third	Left	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Center	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Right	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

REMARKS:

DATE: 06/28/04

RECORDED BY: APPROVED BY: 

SECTION 4
INSTRUMENTATION AND EQUIPMENT LIST

TABLE 1 - INSTRUMENTATION & EQUIPMENT LIST

EQUIPMENT	DESCRIPTION	MODEL/ SERIAL NO.	CAL. DATE	NEXT CAL. DATE
COMPUTER	AT&T	488DX288	BEFORE USE	BEFORE USE
LOAD CELL	INTERFACE	496	06/03	06/04
LINEAR TRANSDUCER	CELESCO	69	BEFORE USE	BEFORE USE
LINEAR TRANSDUCER	CELESCO	70	BEFORE USE	BEFORE USE
LINEAR TRANSDUCER	CELESCO	72	BEFORE USE	BEFORE USE
LEVEL	STANLEY	42-449	02/04	02/05
FORCE GAUGE	CHATILLON	8761	BEFORE USE	BEFORE USE
CALIPER	N/A	Q9322385	BEFORE USE	BEFORE USE

SECTION 5
PHOTOGRAPHS



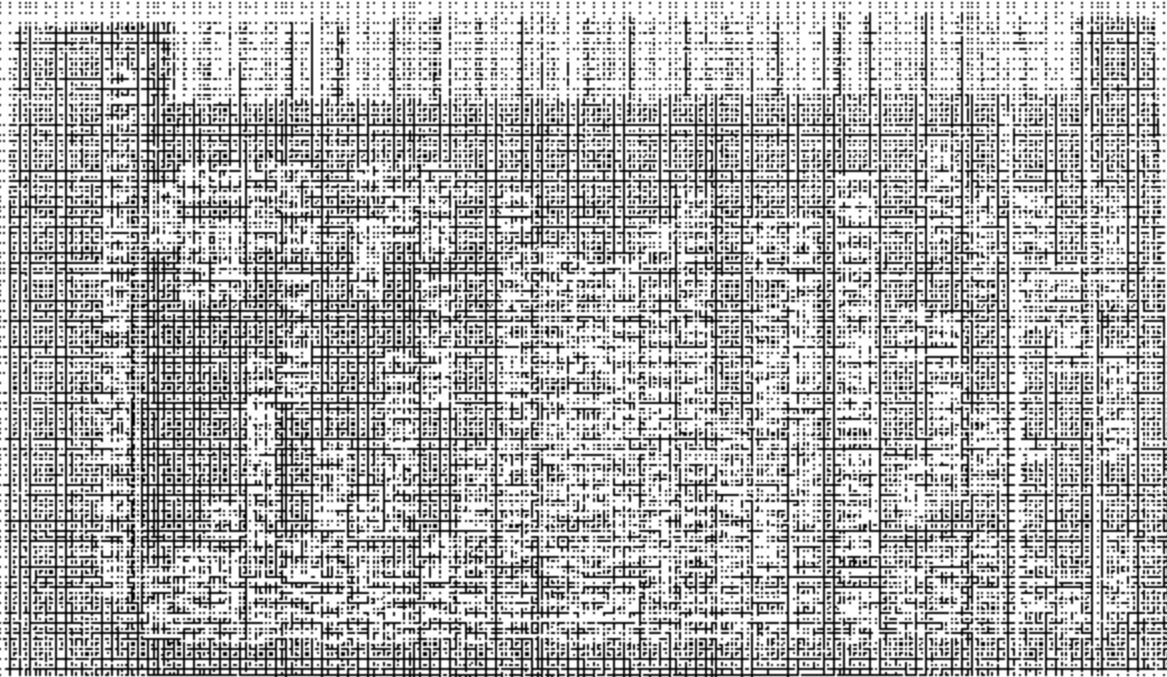
FIGURE 5.1
¾ FRONTAL RIGHT SIDE VIEW OF VEHICLE

2004 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225



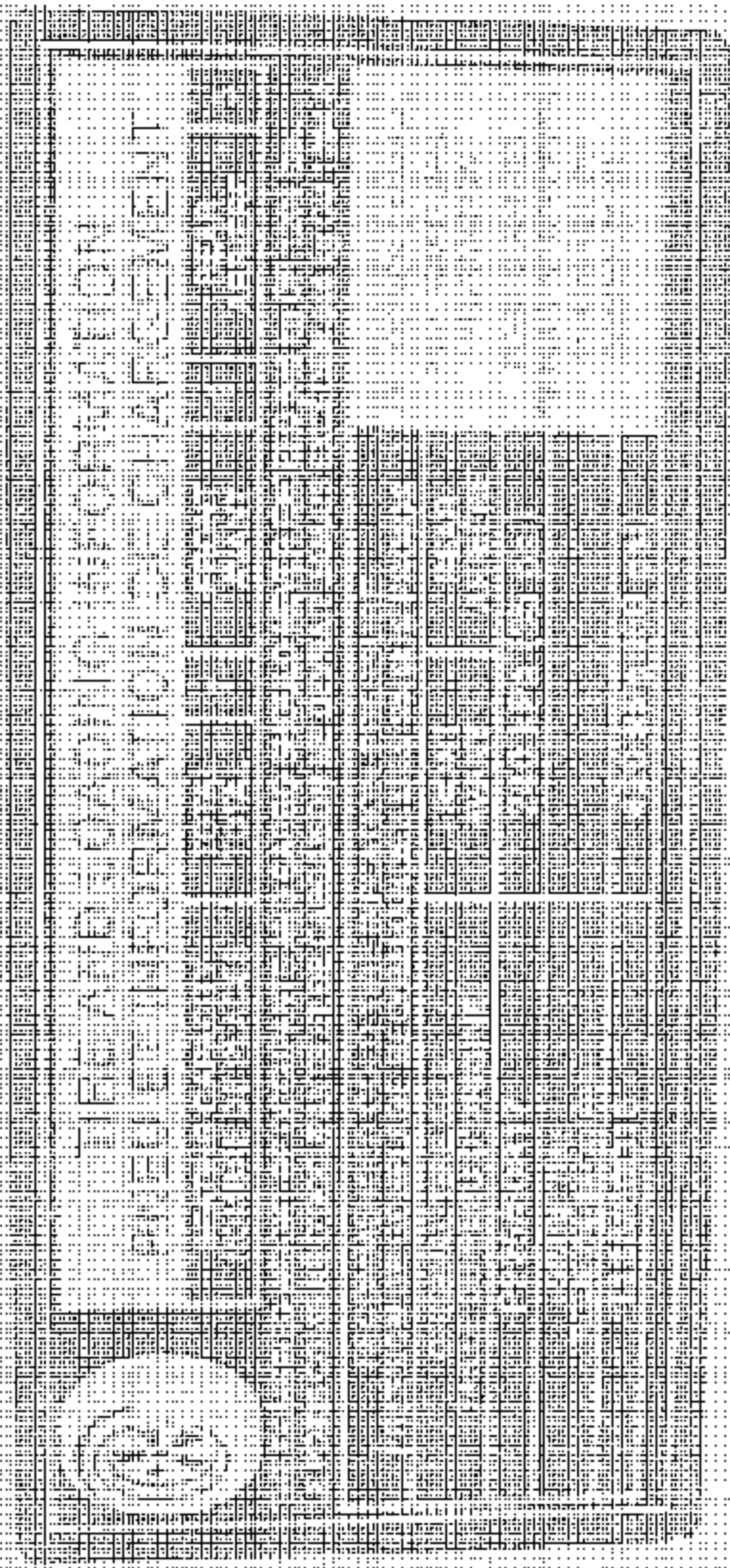
FIGURE 5.2
% REARWARD LEFT SIDE VIEW OF VEHICLE

2004 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225



2004 NISSAN QUEST
NHTSA NO. C46203
FMVSS NO. 225

FIGURE 5.3
CLOSE-UP VIEW OF VEHICLE CERTIFICATION
LABEL



2004 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225

FIGURE 64
CLOSE-UP VIEW OF TIRE INFORMATION LABEL



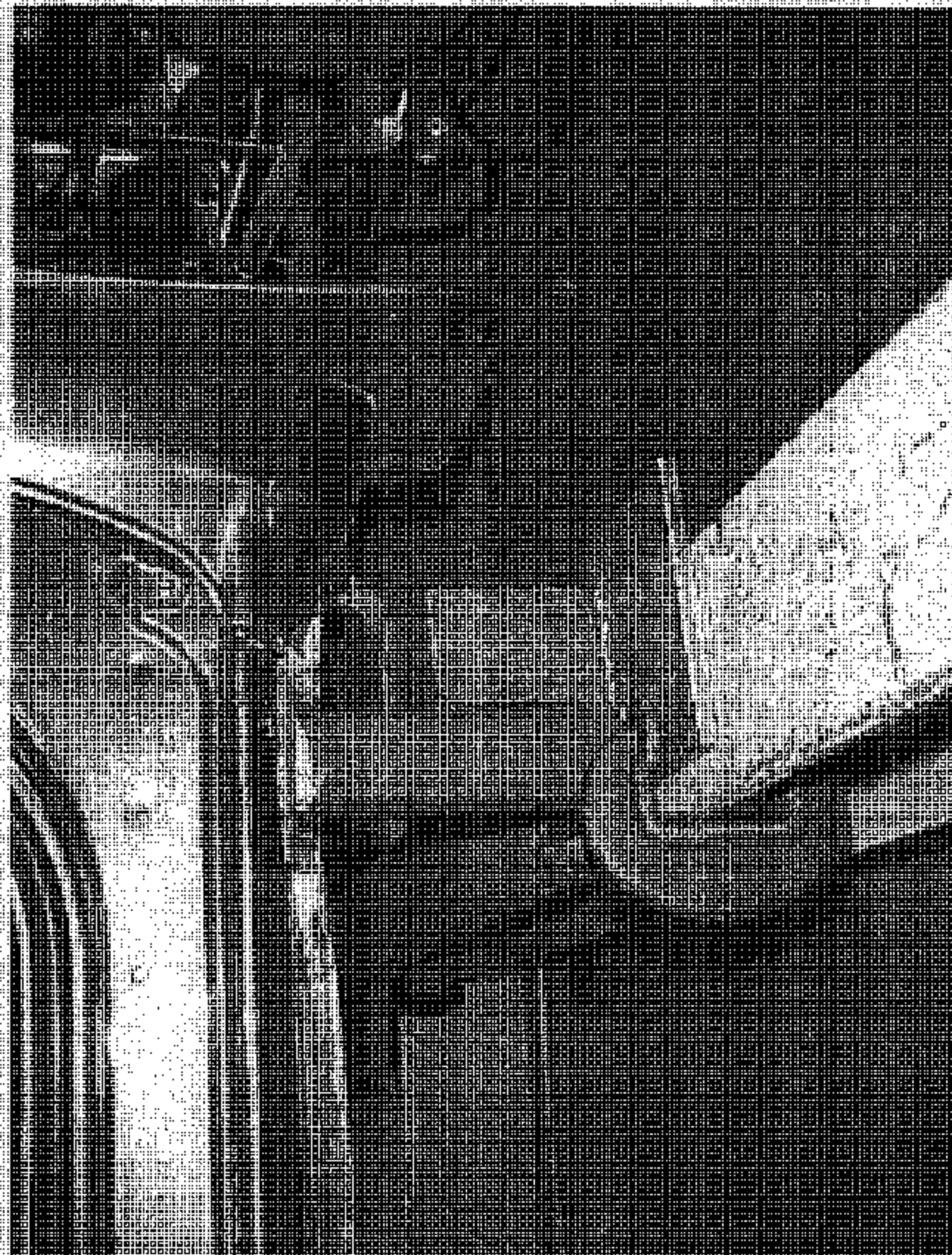
FIGURE 5-5
¾ LEFT FRONT VIEW OF TEST VEHICLE IN TEST
RIG

2014 NISSAN QUEST
NHTSA NO. C45203
FAVSS NO. 225



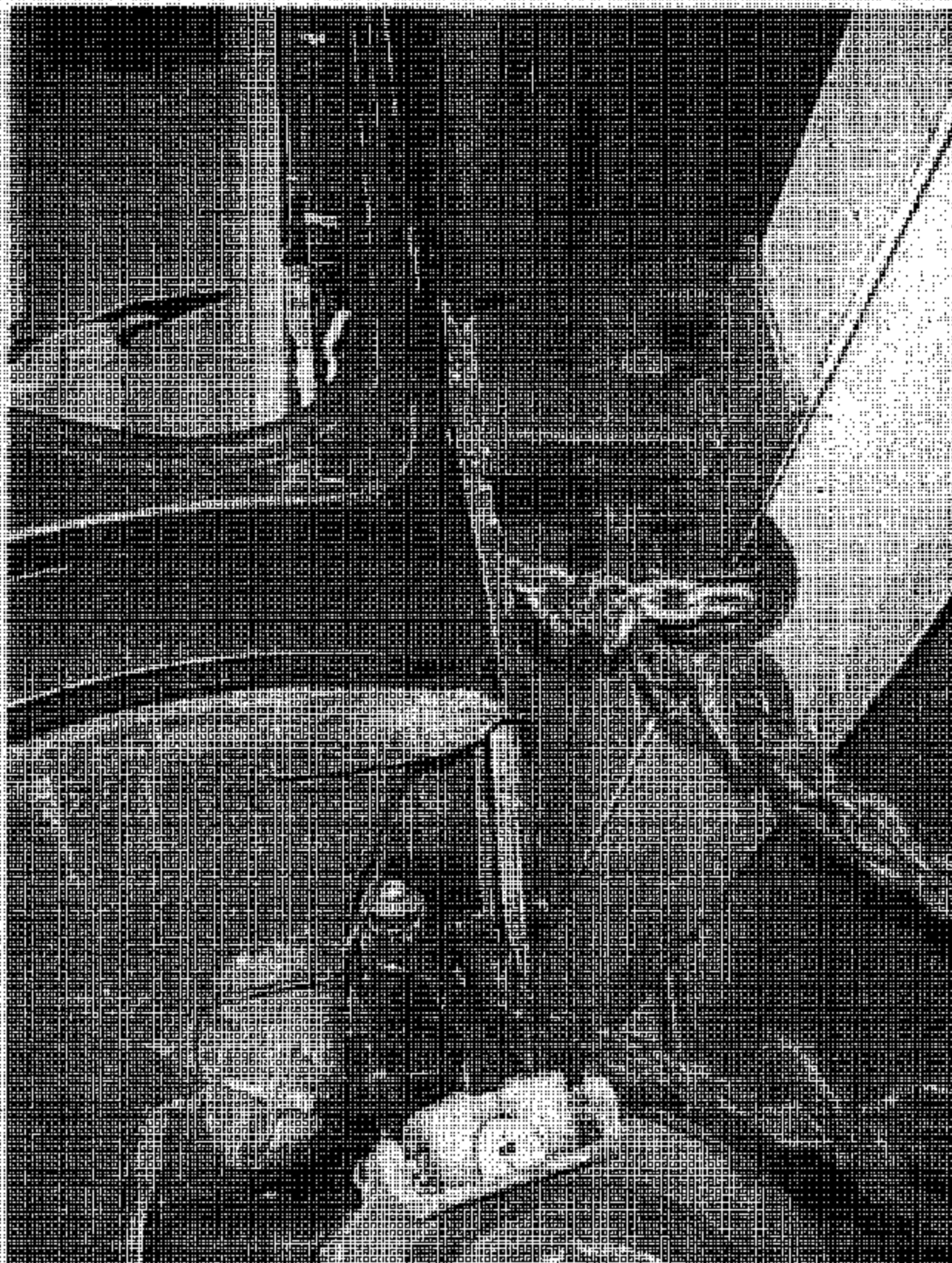
2004 NISSAN QUEST
NHTSA NO. C46203
FMVSS NO. 225

FIGURE 58
X RIGHT FRONT VIEW OF TEST VEHICLE IN
TEST RIG



2004 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225

FIGURE 5.7
RIGHT FRONT VEHICLE TIE DOWN



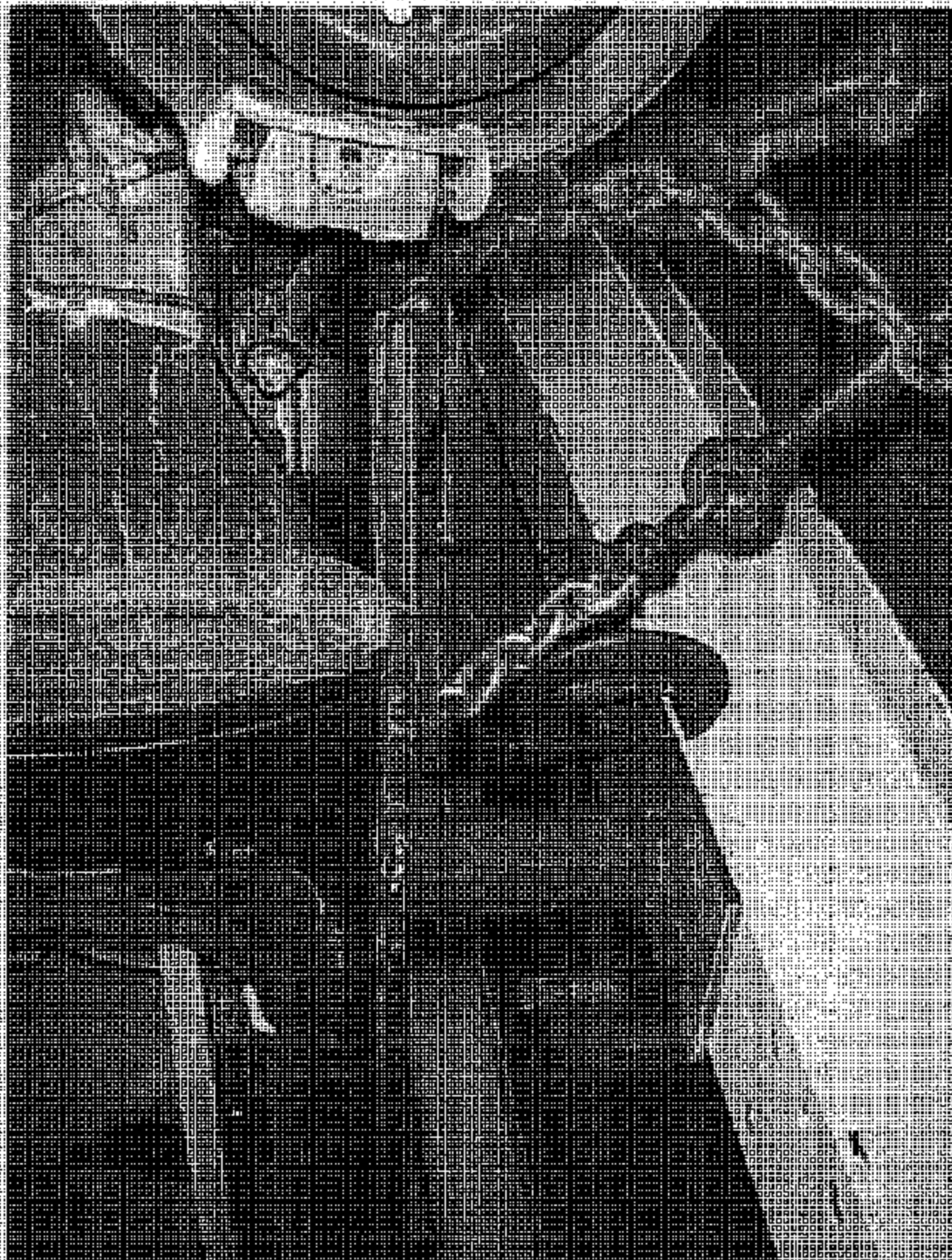
2004 NISSAN QUEST
NHTSA NO. Q45203
FMVSS NO. 225

FIGURE 5.8
RIGHT REAR VEHICLE TIE DOWN



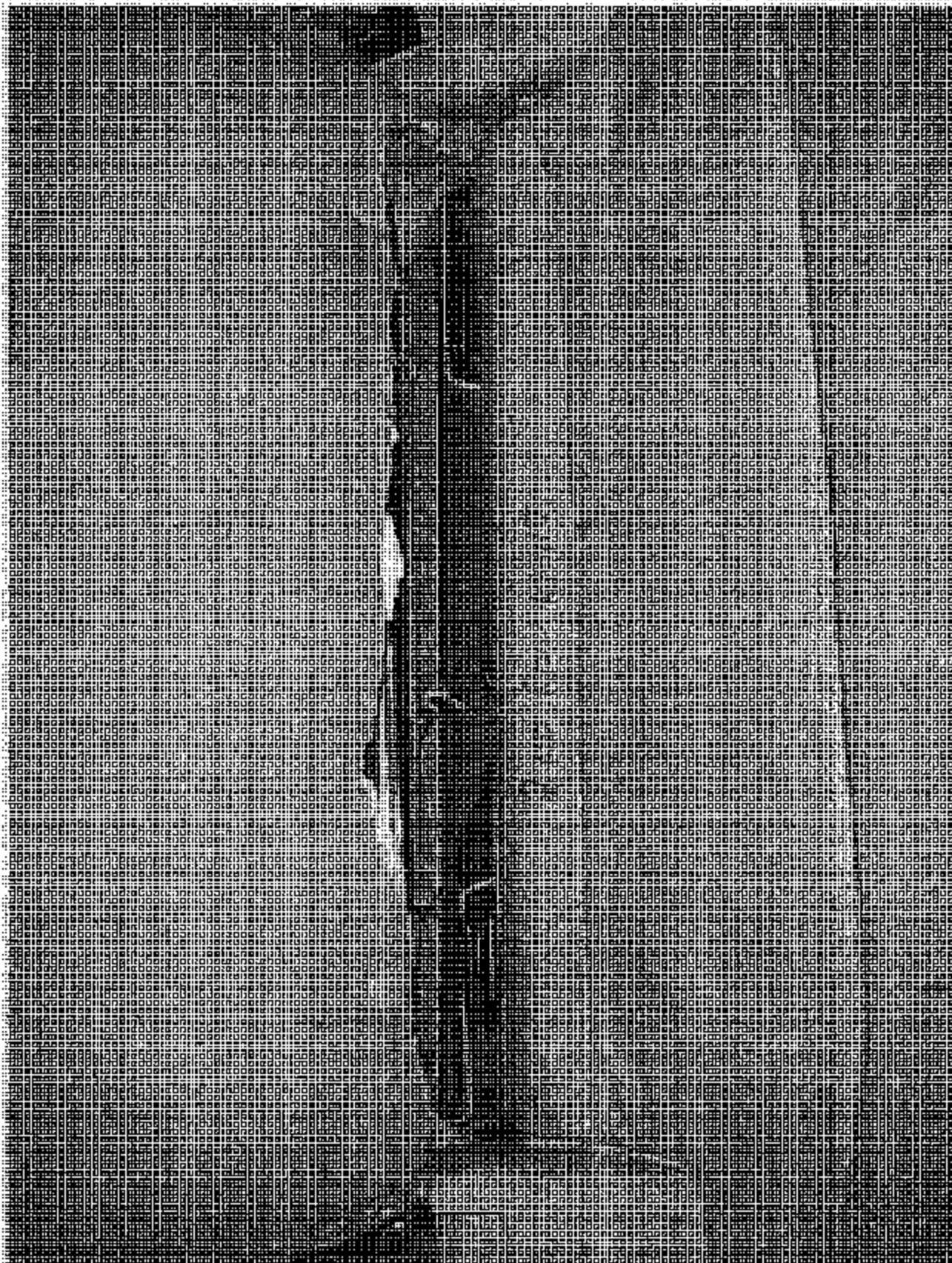
FIGURE 5.9
LEFT FRONT VEHICLE TIE DOWN

2004 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225



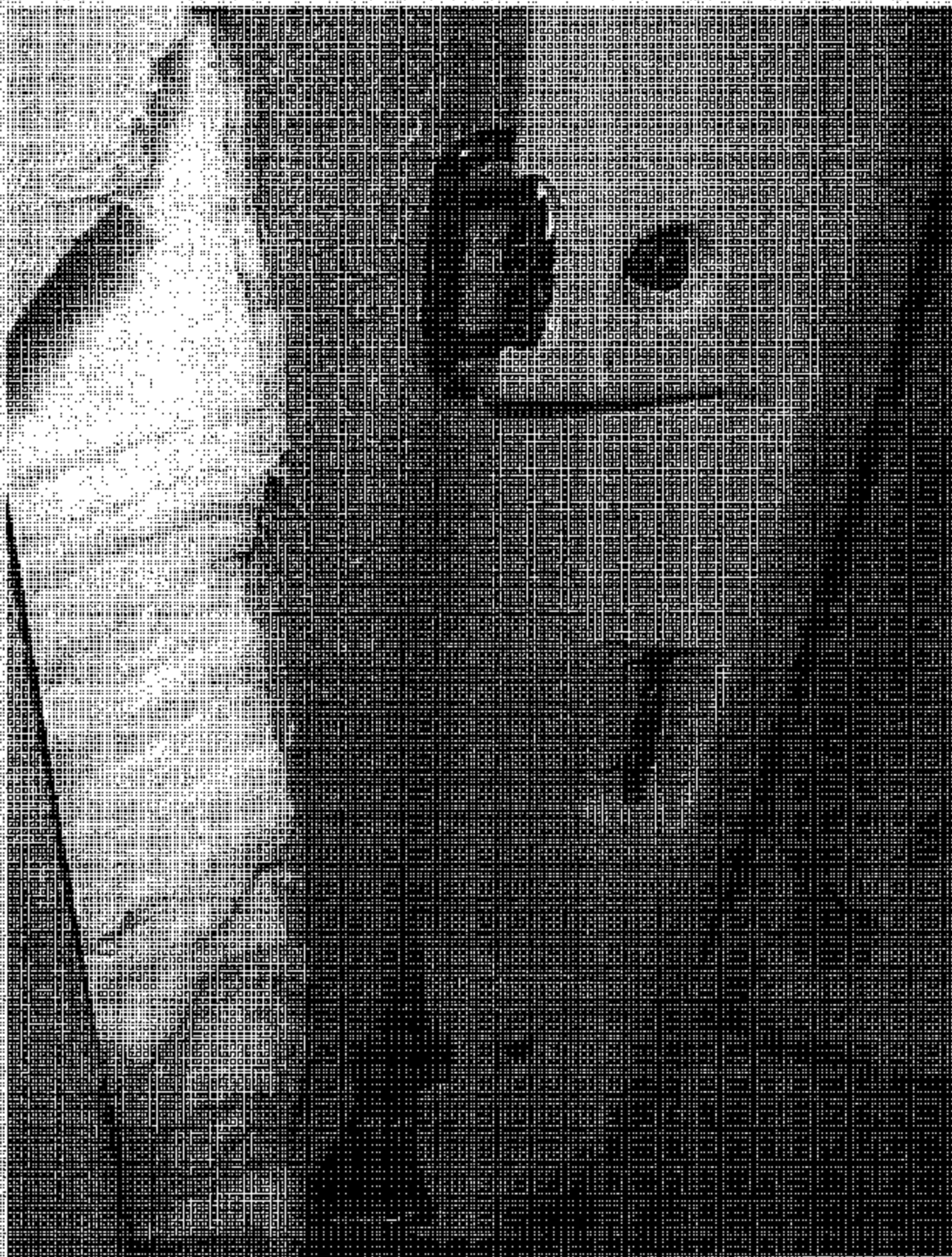
2004 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225

FIGURE 5.10
LEFT REAR VEHICLE TIE DOWN



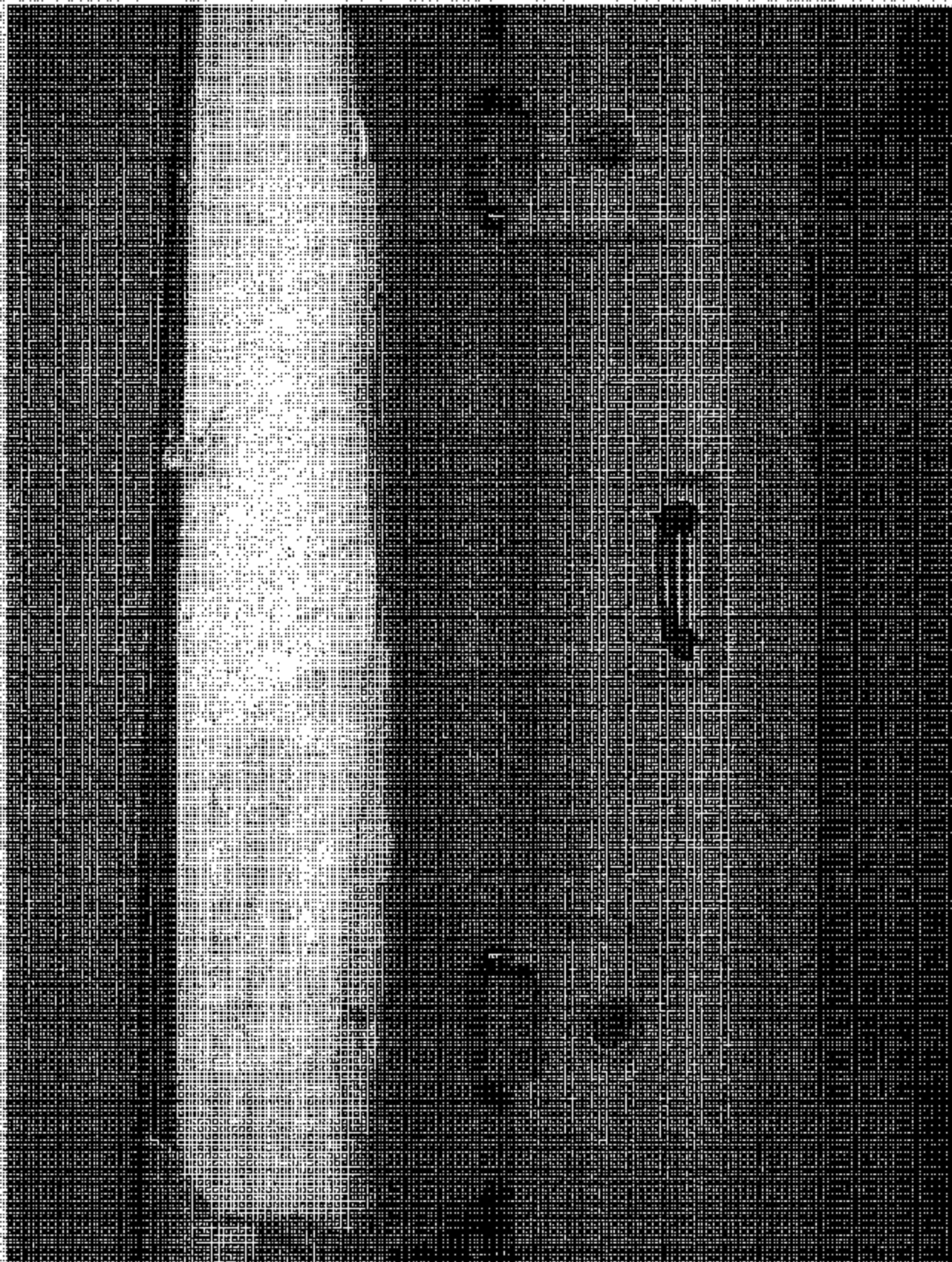
2004 NISSAN QUEST
NHTSA NO. C-45203
FMVSS NO. 225

FIGURE 5.11
PRE-TEST 2ND ROW RIGHT LOWER ANCHORS
FRONT VIEW



2004 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225

FIGURE 5.12
PRE-TEST 2ND ROW RIGHT LOWER ANCHORS
AND TOP TETHER ANCHOR REAR VIEW



2004 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225

FIGURE 5.13
PRE-TEST 2ND ROW RIGHT LOWER ANCHORS
AND TOP TETHER ANCHOR REAR VIEW

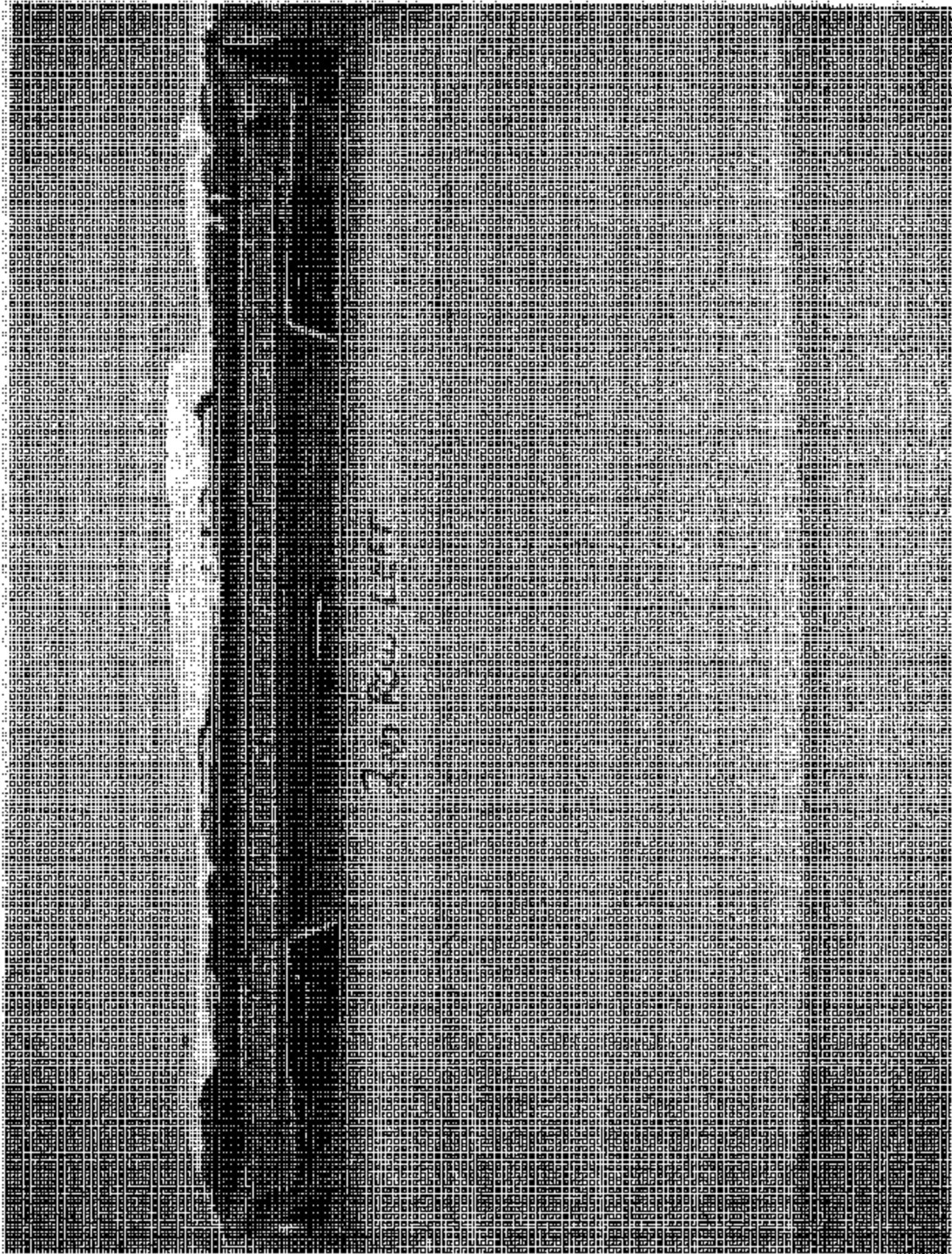
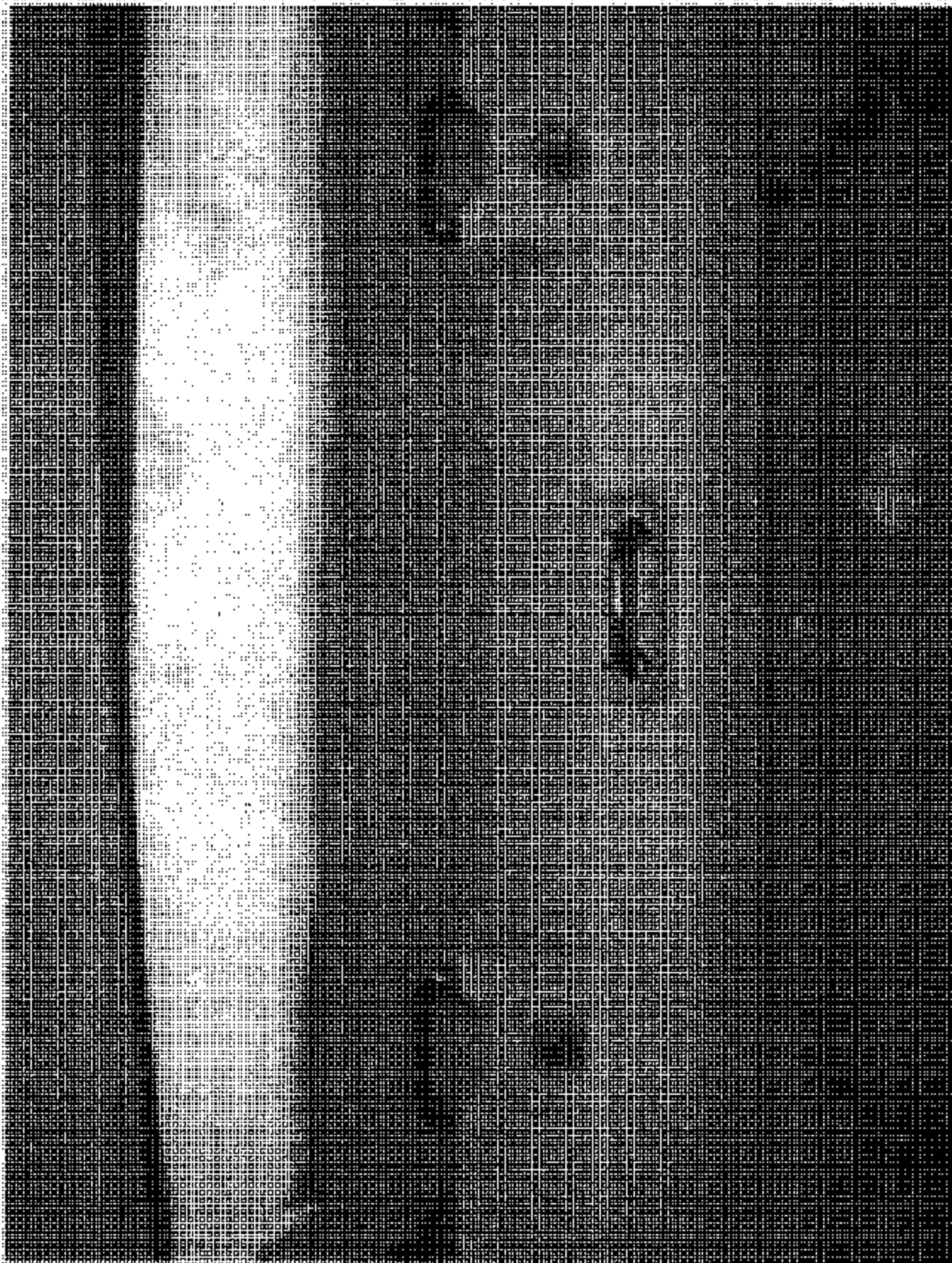


FIGURE 5.14
PRE-TEST 2ND ROW LEFT LOWER ANCHORS
FRONT VIEW

2004 NISSAN QUEST
NIHTSA NO. C45203
FIATSS NO. 225



2004 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225

FIGURE 5.15
PRE-TEST 2ND ROW LEFT LOWER ANCHORS
AND TOP TETHER ANCHOR REAR VIEW



2004 NISSAN QUEST
NHTSA NO. 045203
FMVSS NO. 225

FIGURE 5-16
PRE-TEST 2ND ROW LEFT LOWER ANCHORS
AND TOP TETHER ANCHOR REAR VIEW



2004 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225

FIGURE 5.17
PRE-TEST 3RD ROW CENTER LOWER ANCHORS
FRONT VIEW

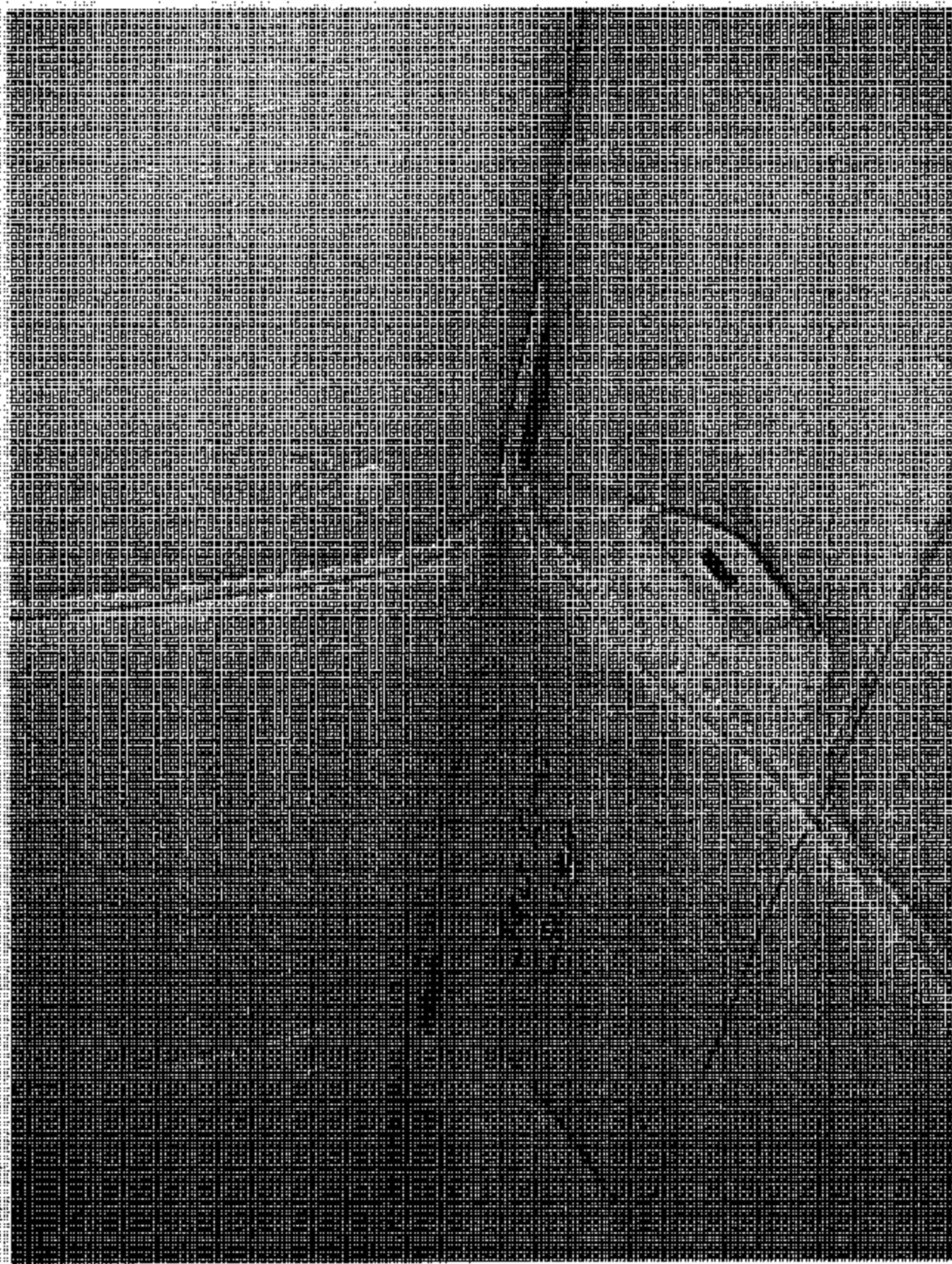


FIGURE 5.18
PRE-TEST 3RD ROW CENTER LOWER ANCHORS
SIDE VIEW

2004 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225

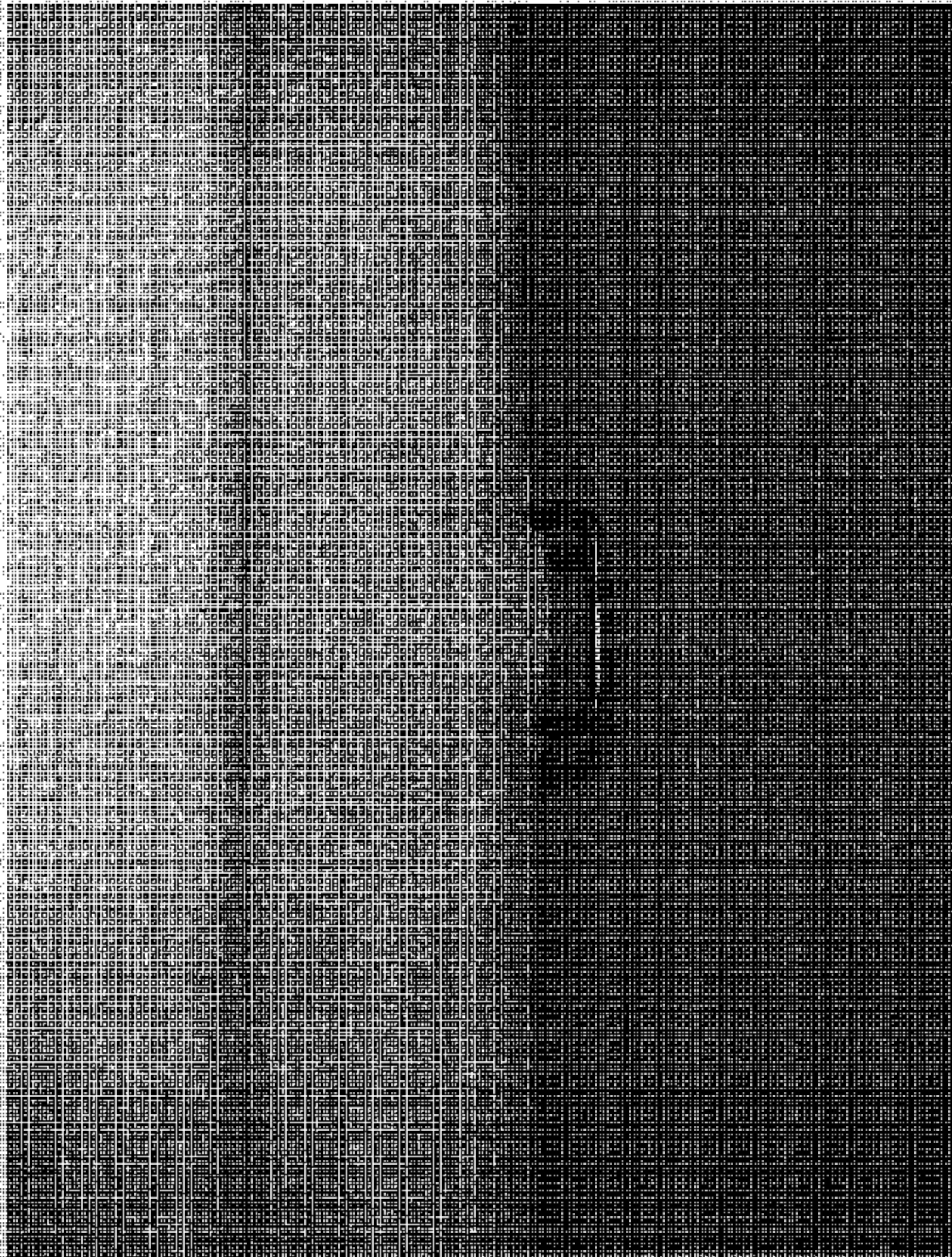


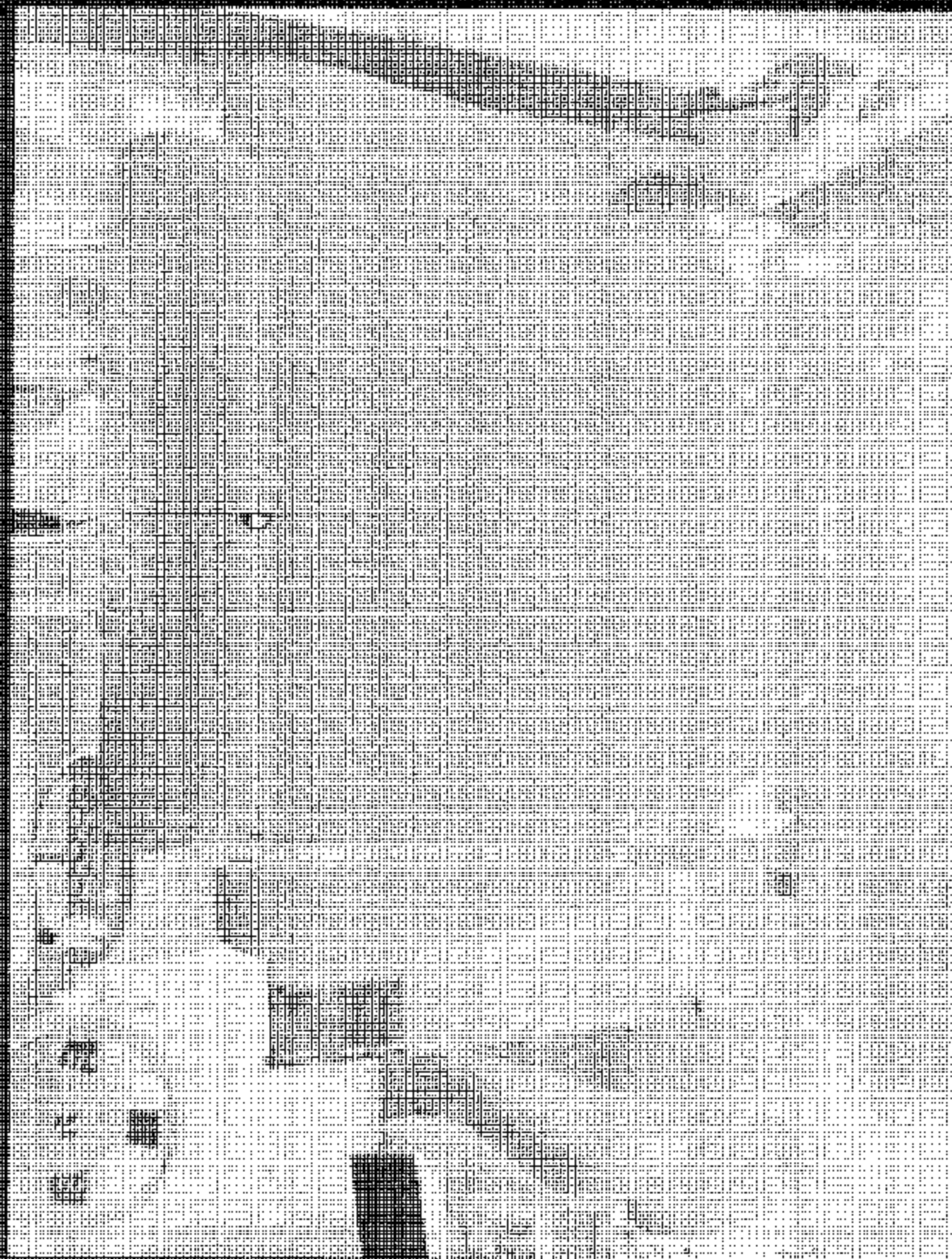
FIGURE 5 19
PRE-TEST 3RD ROW CENTER TOP TETHER
ANCHOR

2004 NISSAN QUEST
NHSTA NO. C45203
FMVSS NO. 225



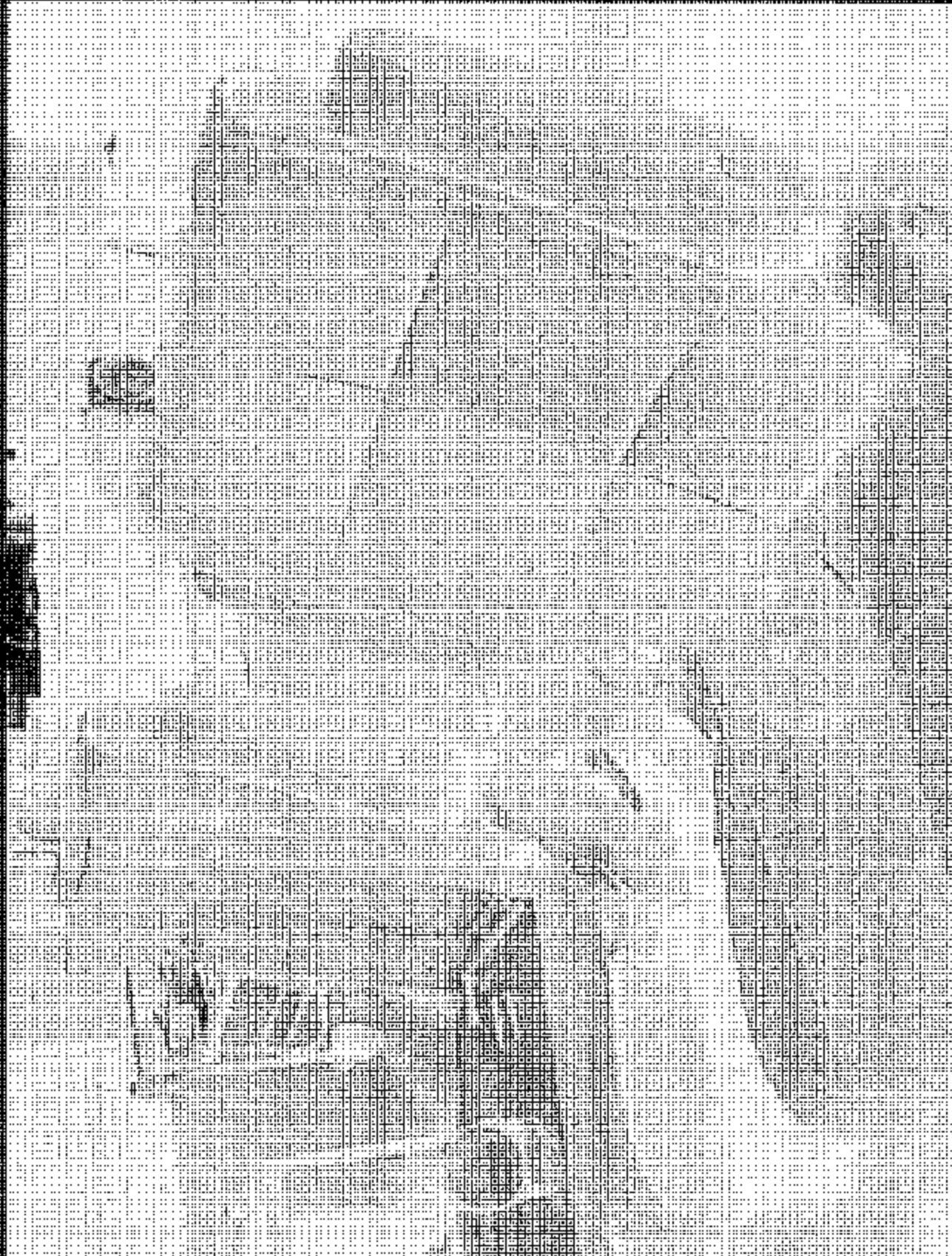
2004 NISSAN QUEST
NHTSA NO. C45R03
FMVSS NO. 226

FIGURE 5-26
VIEW OF 2D TEMPLATE IN 2ND ROW RIGHT
SEAT



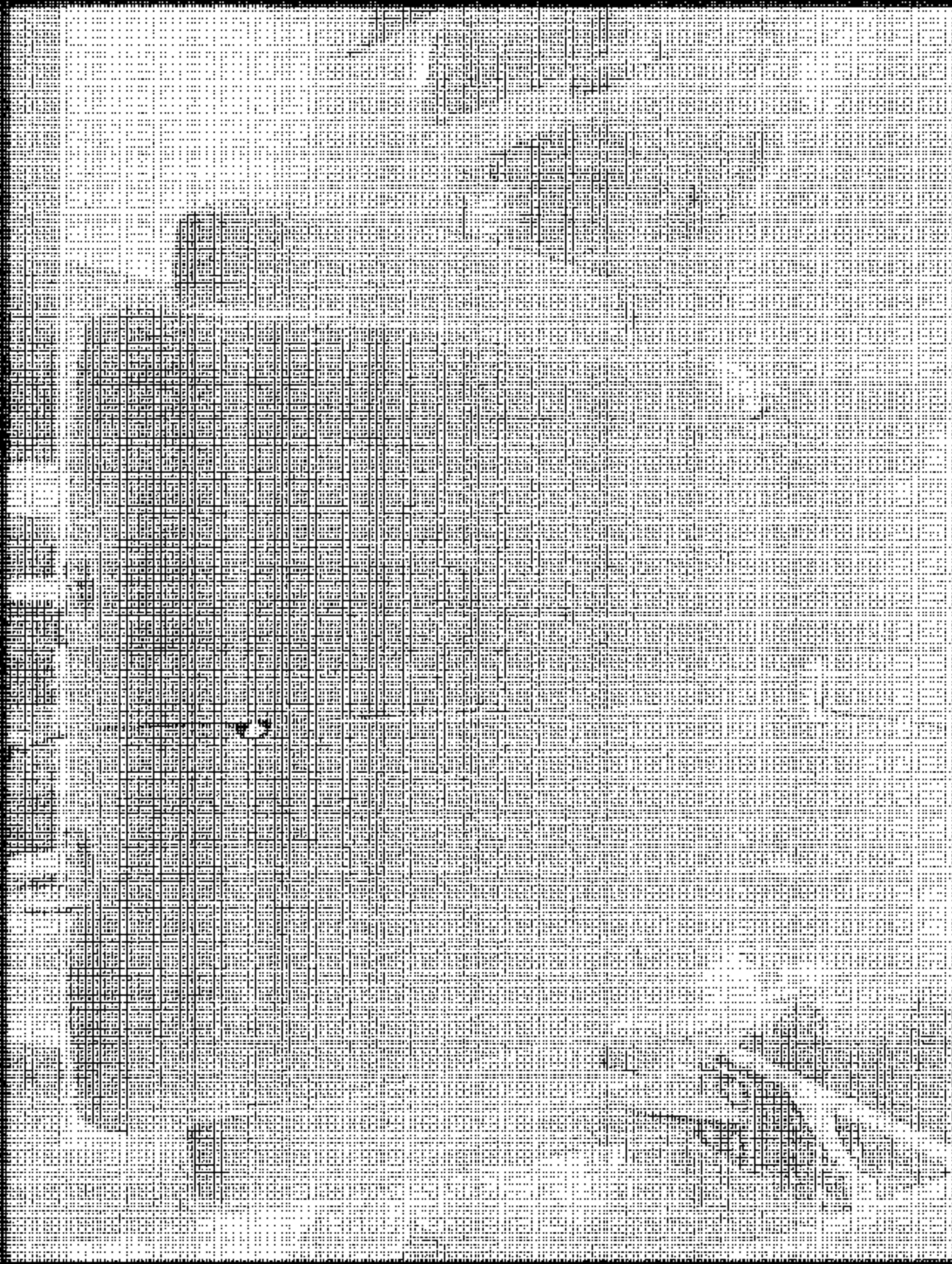
2004 NISSAN QUEST
NHTSA NO. 045203
FMVSS NO. 225

FIGURE 6.21
VIEW OF 2D TEMPLATE IN 2ND ROW RIGHT
SEAT



2004 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225

FIGURE 5-22
VIEW OF 2D TEMPLATE IN 2ND ROW LEFT SEAT



2004 NISSAN QUEST
WHTSA NO. C45203
FMVSS NO. 225

FIGURE 5-23
VIEW OF 2D TEMPLATE IN 2ND ROW LEFT SEAT



2004 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225

FIGURE 6.24
VIEW OF 2D TEMPLATE IN 3RD ROW CENTER
SEAT

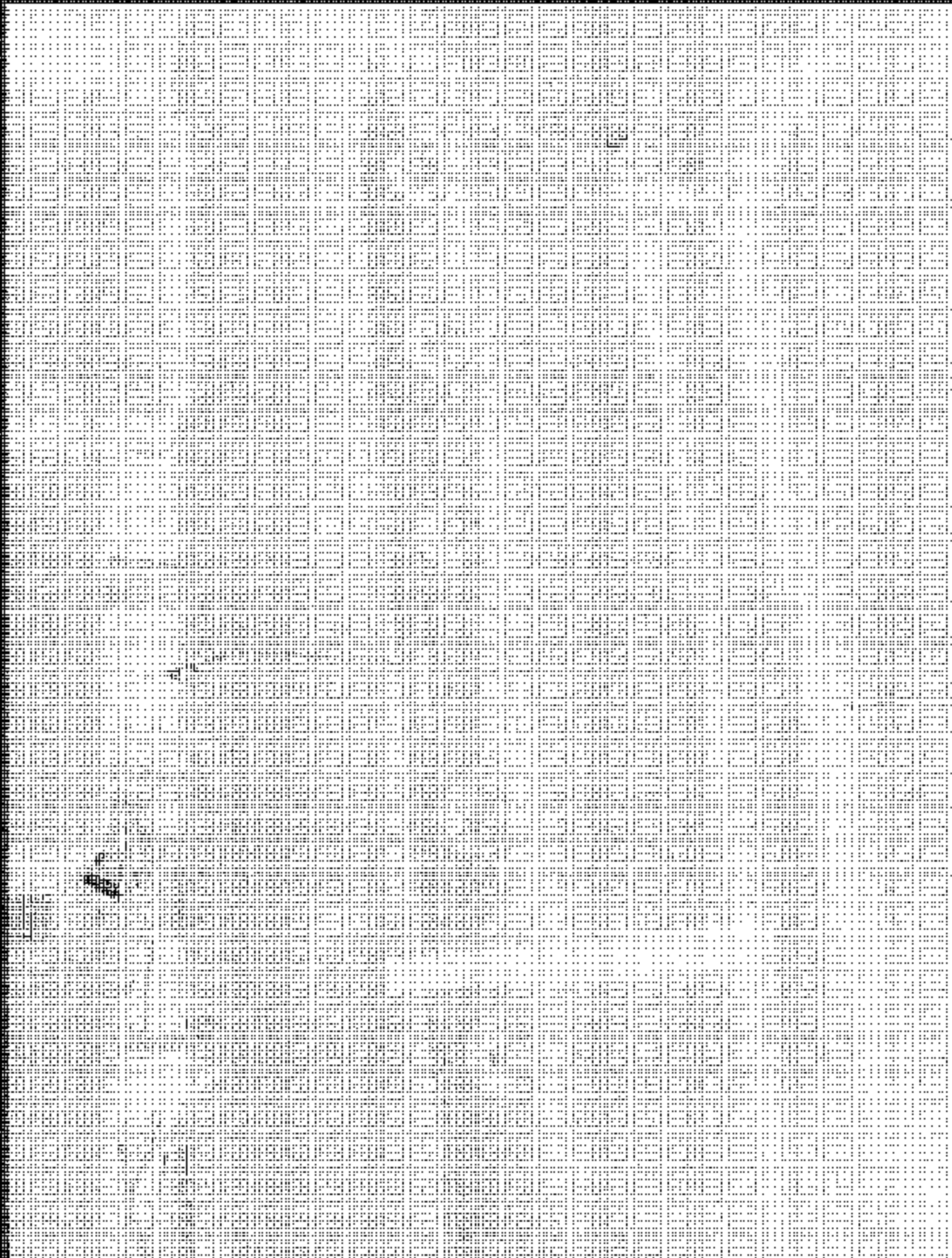


FIGURE 6.26
VIEW OF 2D TEMPLATE IN 3RD ROW CENTER
SEAT

2004 NISSAN QUEST
NHTSA NO. C40203
FMVSS NO. 225

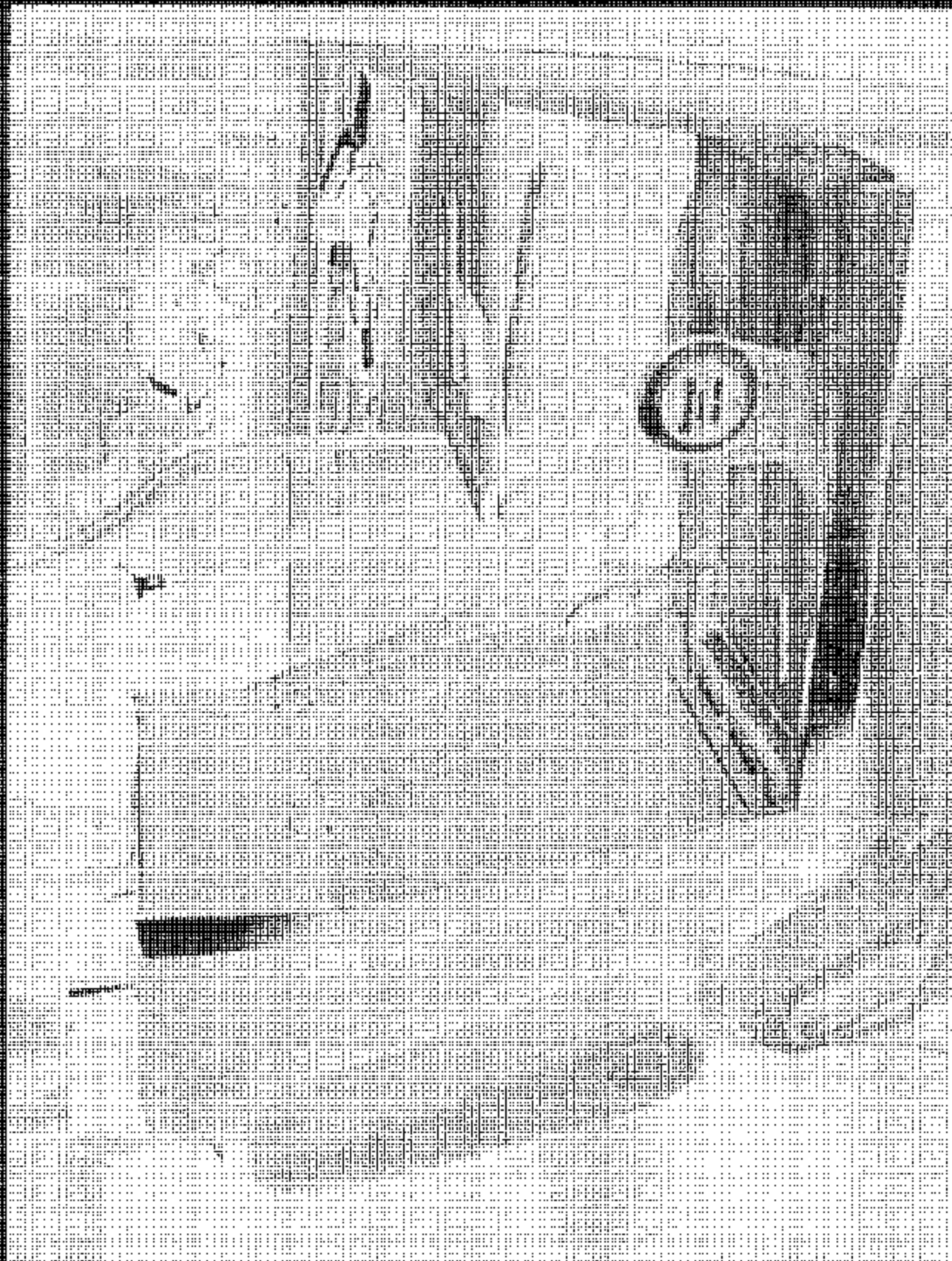


FIGURE 5.26
VIEW OF CRF IN 2ND ROW RIGHT SEAT

2004 NISSAN QUEST
NHTSA NO. 045203
FMVSS NO. 225

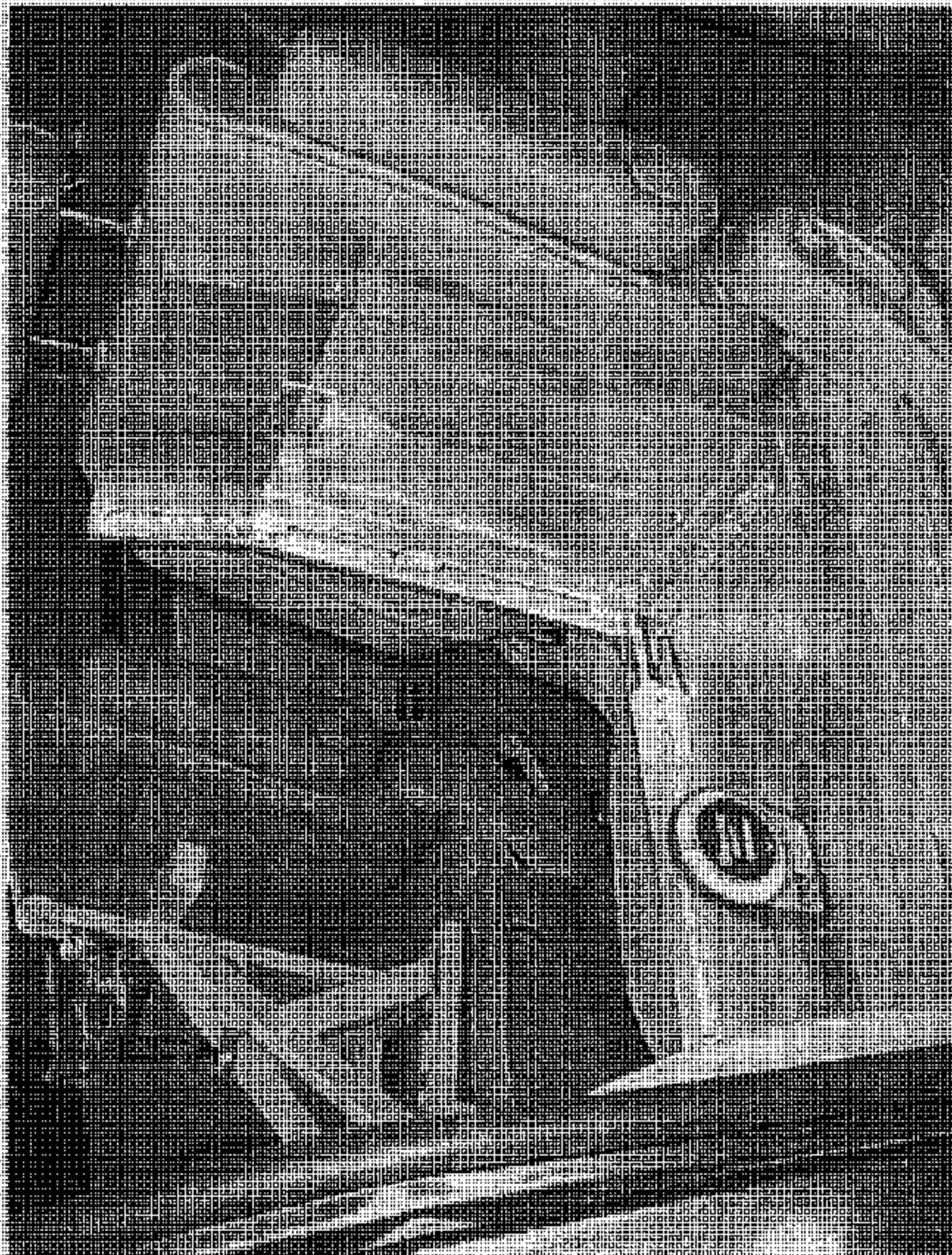
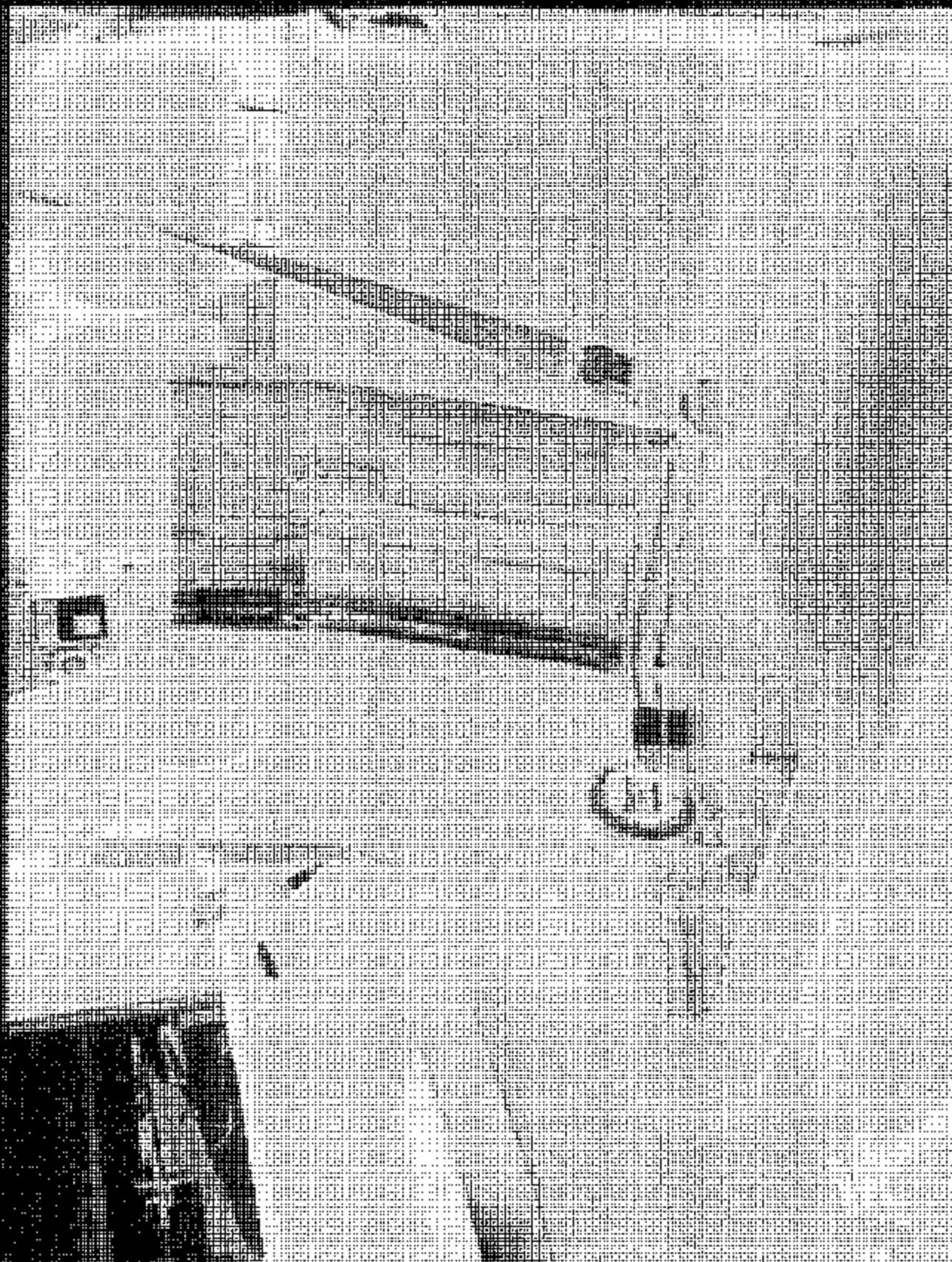


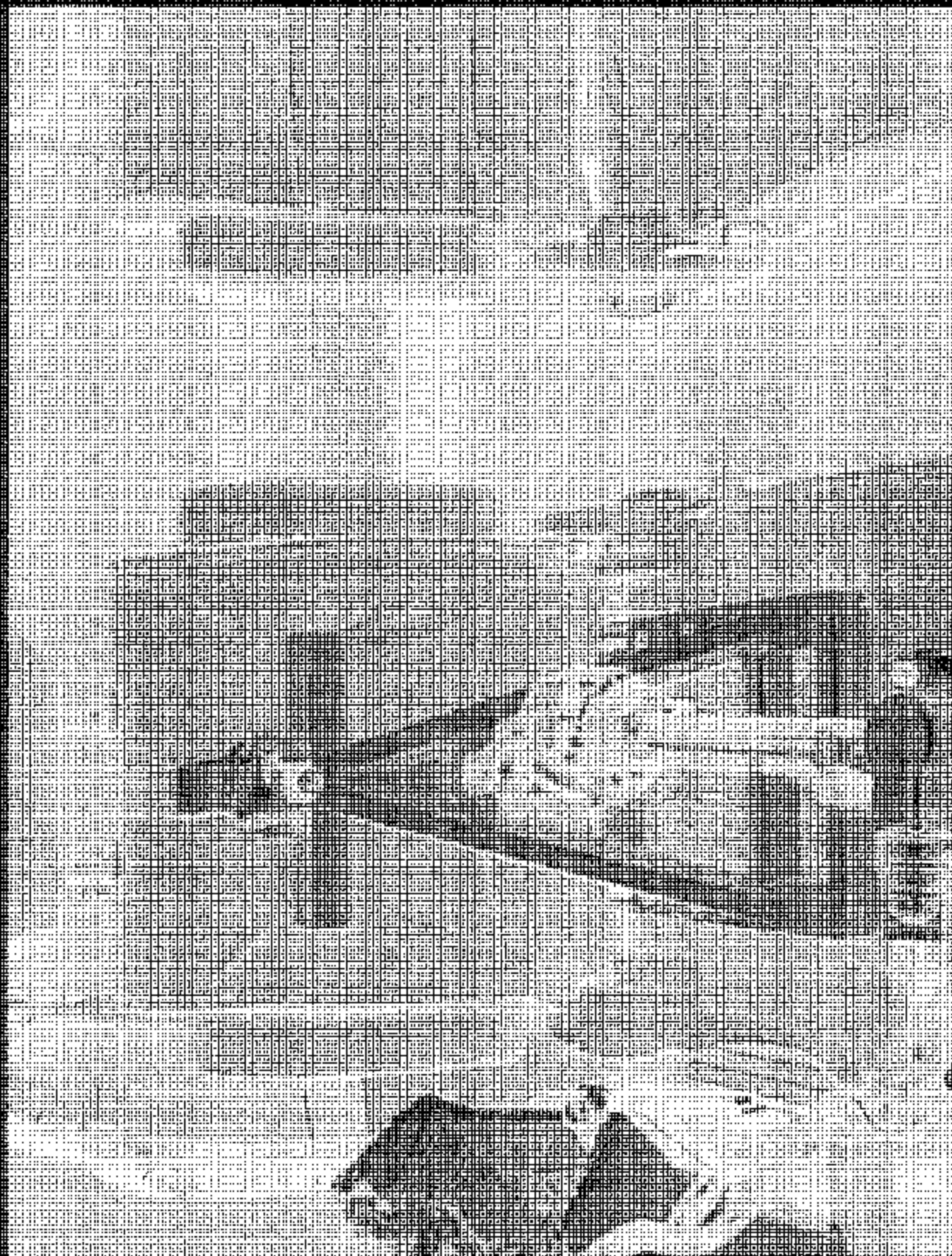
FIGURE 5-27
VIEW OF CRF IN 2ND ROW LEFT SEAT

2004 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225



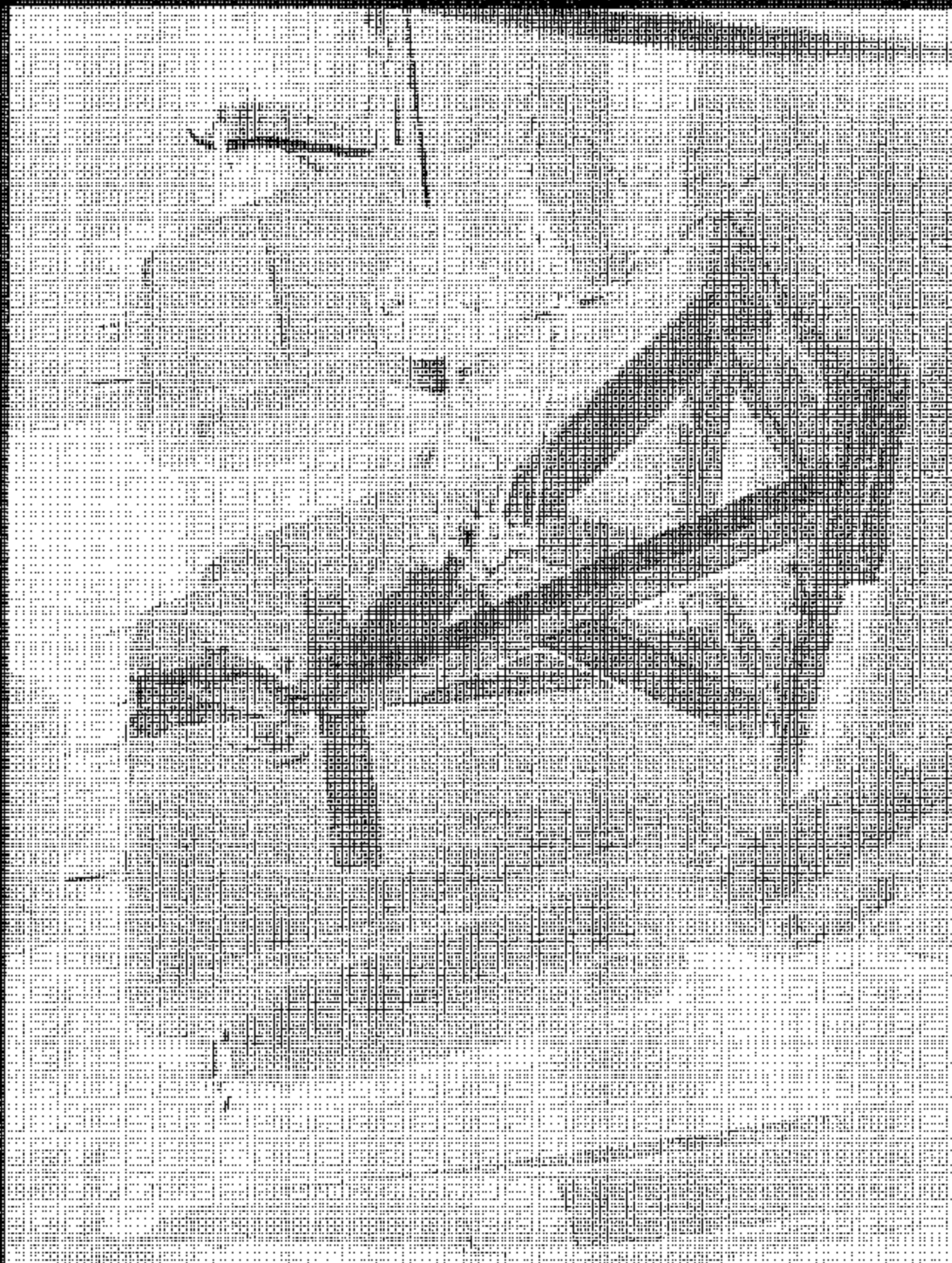
2004 NISSAN QUEST
NHISA NO. C165203
FAVSS NO. 225

FIGURE 5-28
VIEW OF CRF IN 3RD ROW CENTER SEAT



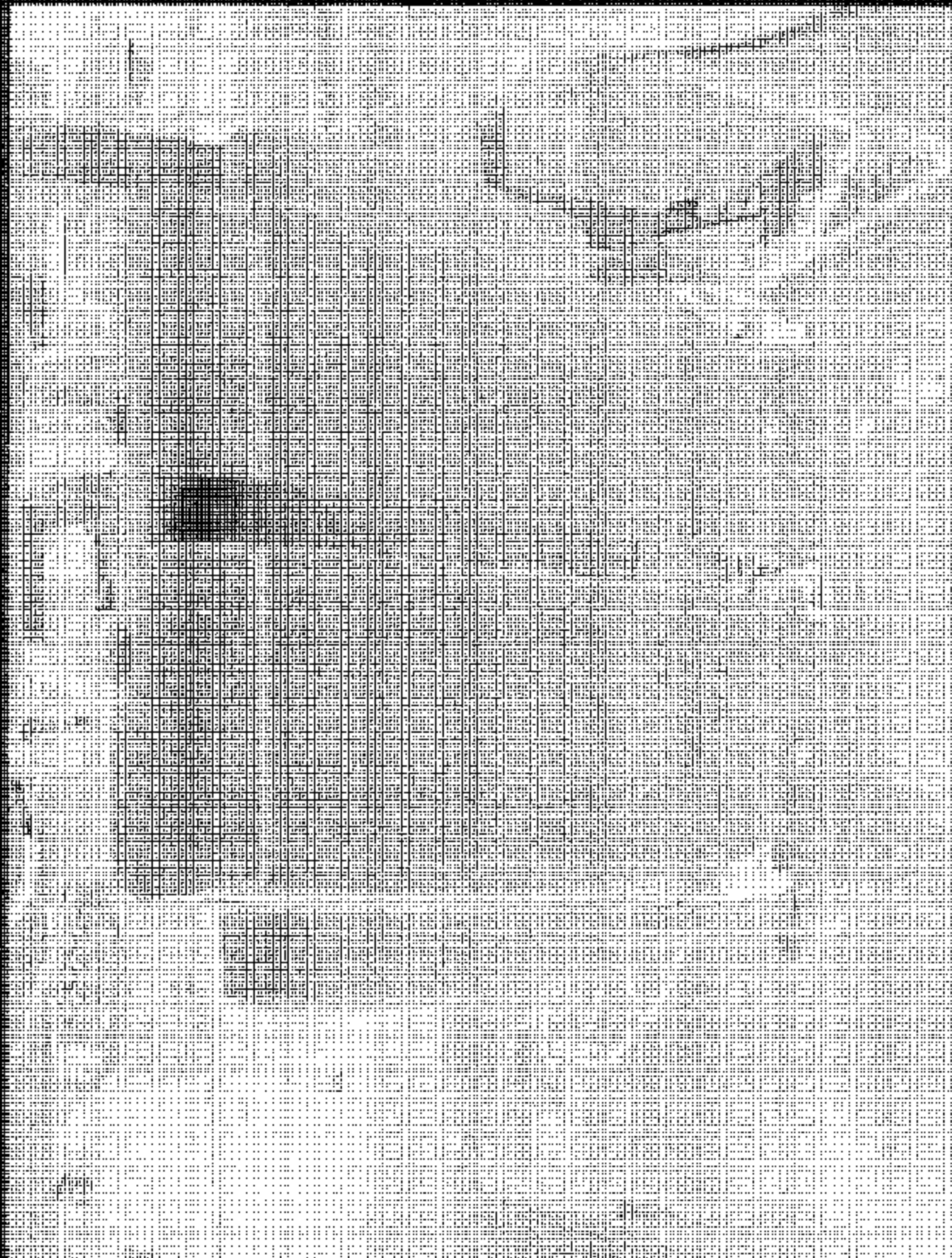
2014 NESSAN QUEST
NHISA NO. C45203
FMASS NO. 226

FIGURE 6-28
PRE-TEST SET-UP 2ND ROW RIGHT POSITION
FRONT VIEW



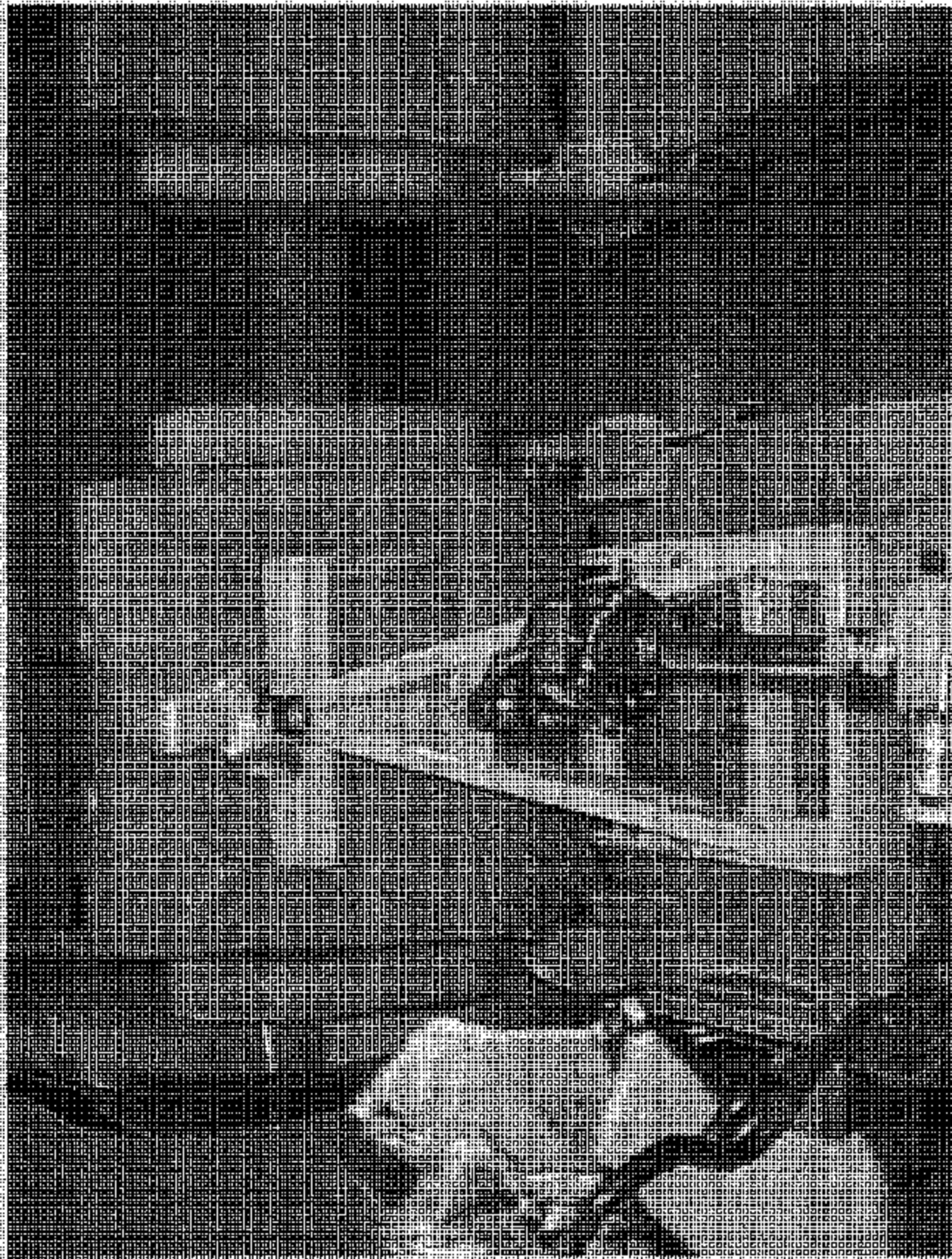
2004 NISSAN QUEST
NETSA NO C46203
FRVSS NO 225

FIGURE 5.30
PRE-TEST SET-UP 2ND ROW RIGHT POSITION
SIDE VIEW



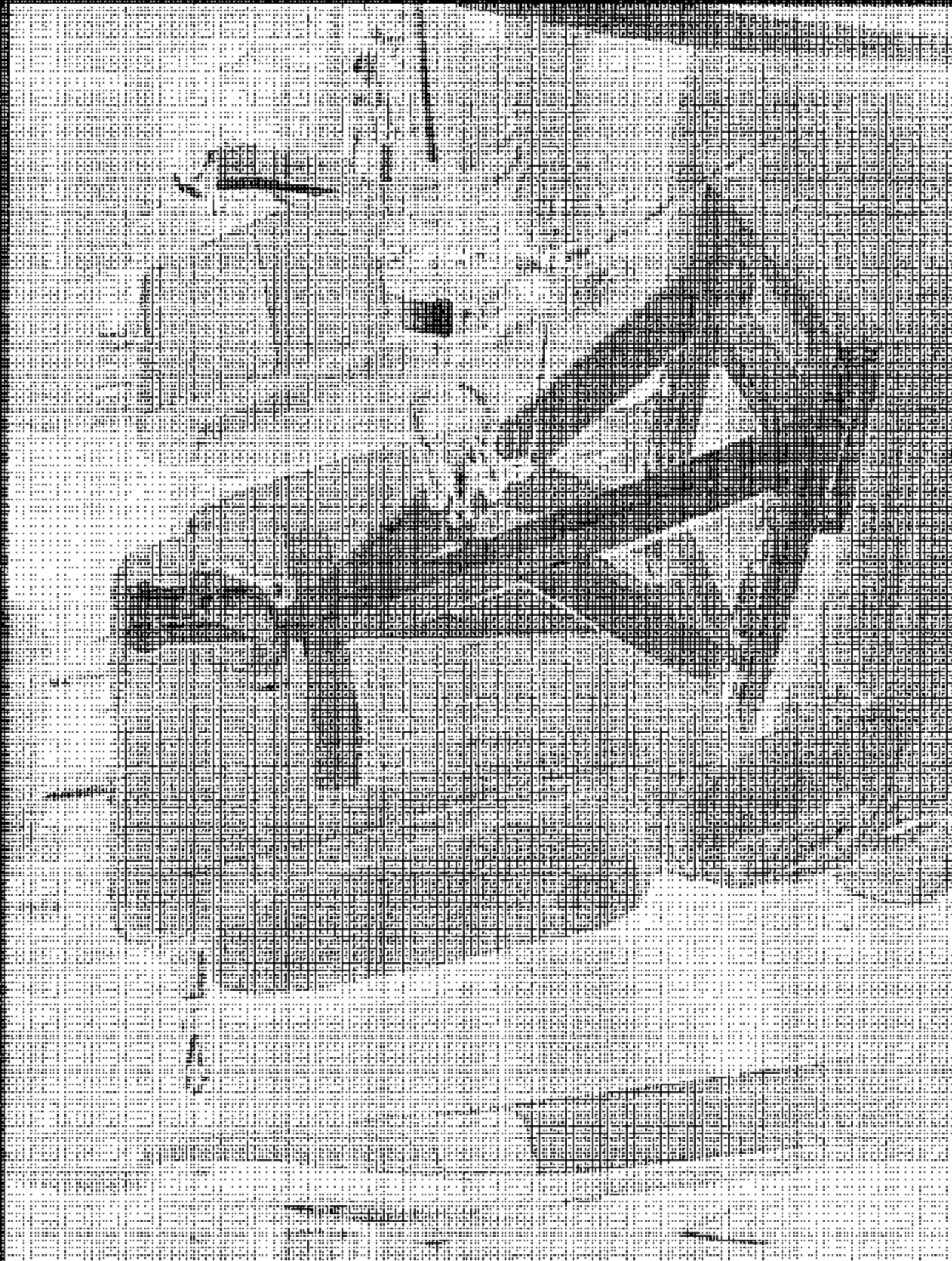
2004 NISSAN QUEST
NHTSA NO. C45203
FAVSS NO. 225

FIGURE 5-34
PRE-TEST SET-UP 2ND ROW RIGHT POSITION
REAR VIEW



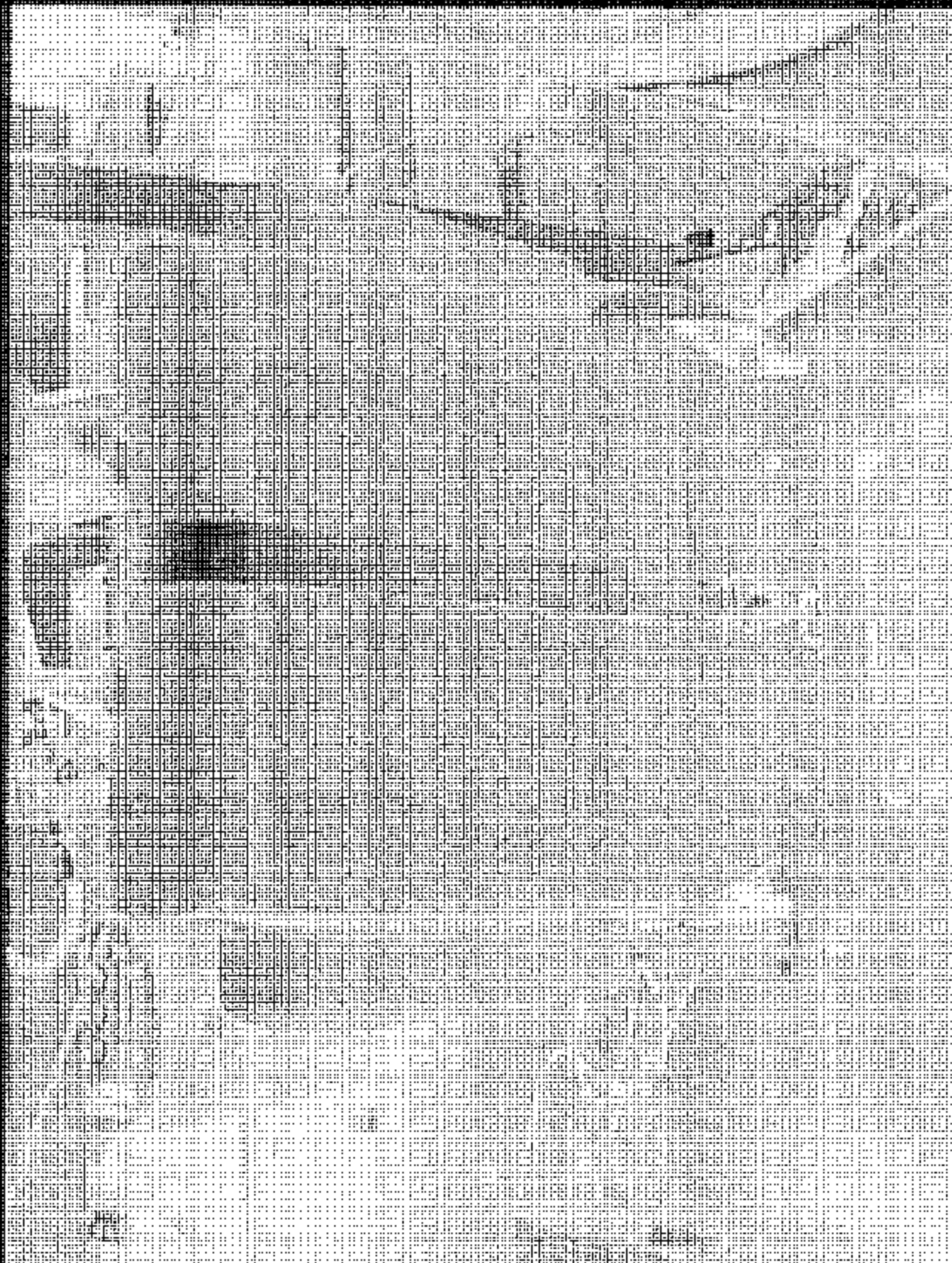
2004 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225

FIGURE 5.32
POST TEST 2ND ROW RIGHT POSITION FRONT
VIEW



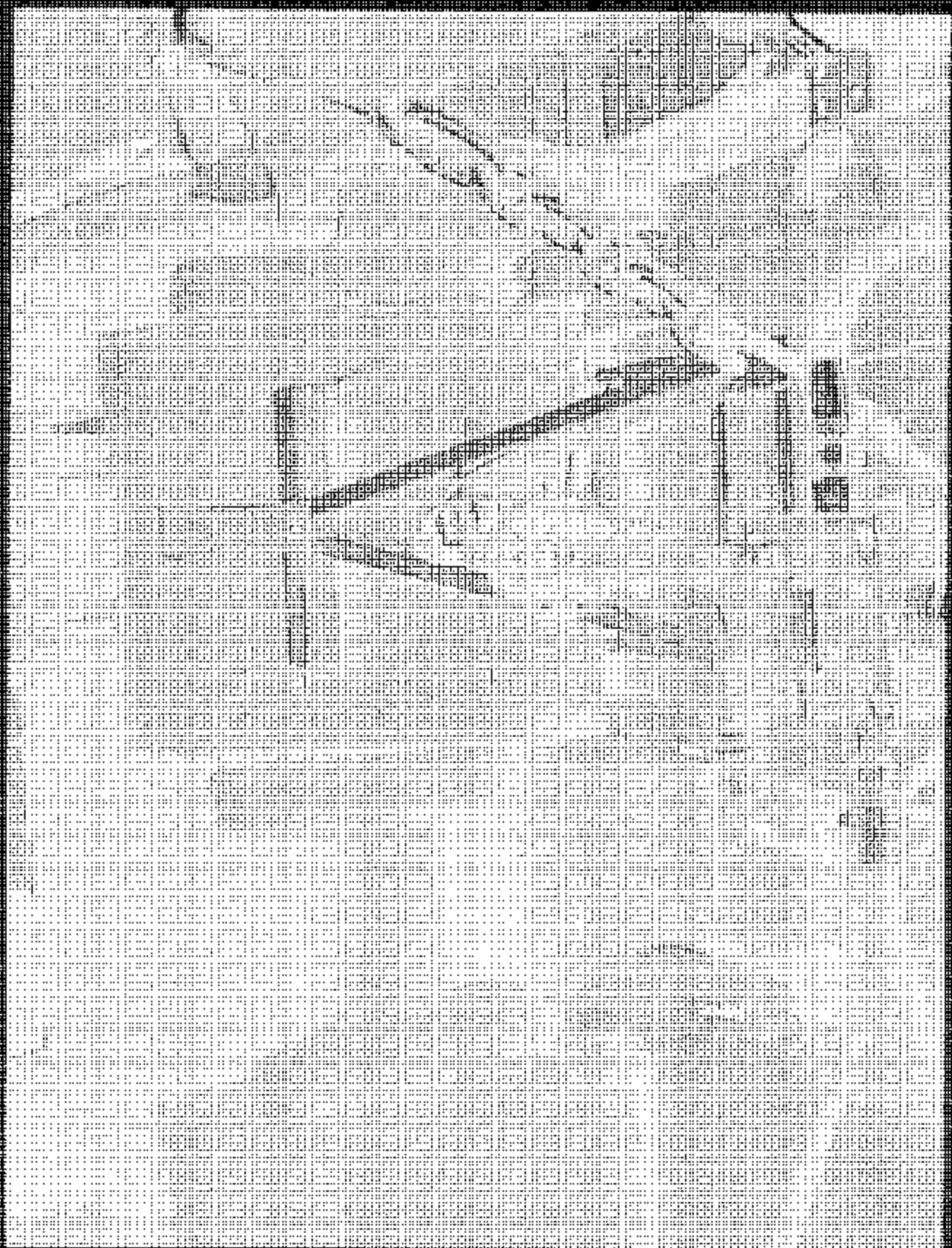
2004 NISSAN QUEST
NHTSA NO. C46213
FLVSS NO. 225

FIGURE 5.31
POST TEST 2ND ROW RIGHT POSITION SIDE
VIEW



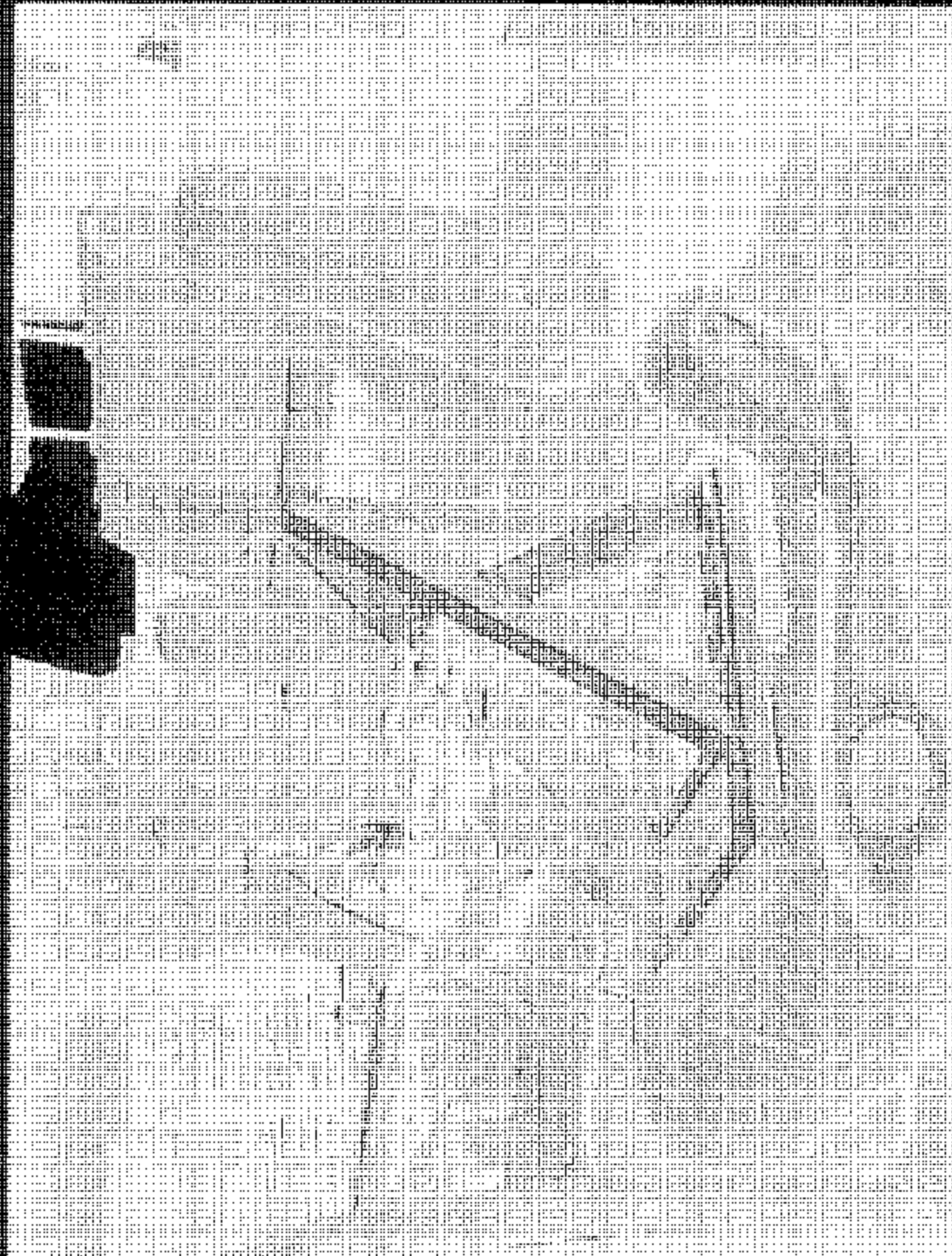
2001 NISSAN QUEST
NHSTA NO. C43203
FMVSS NO. 225

FIGURE 5-34
POST TEST 2ND ROW RIGHT POSITION REAR
VIEW



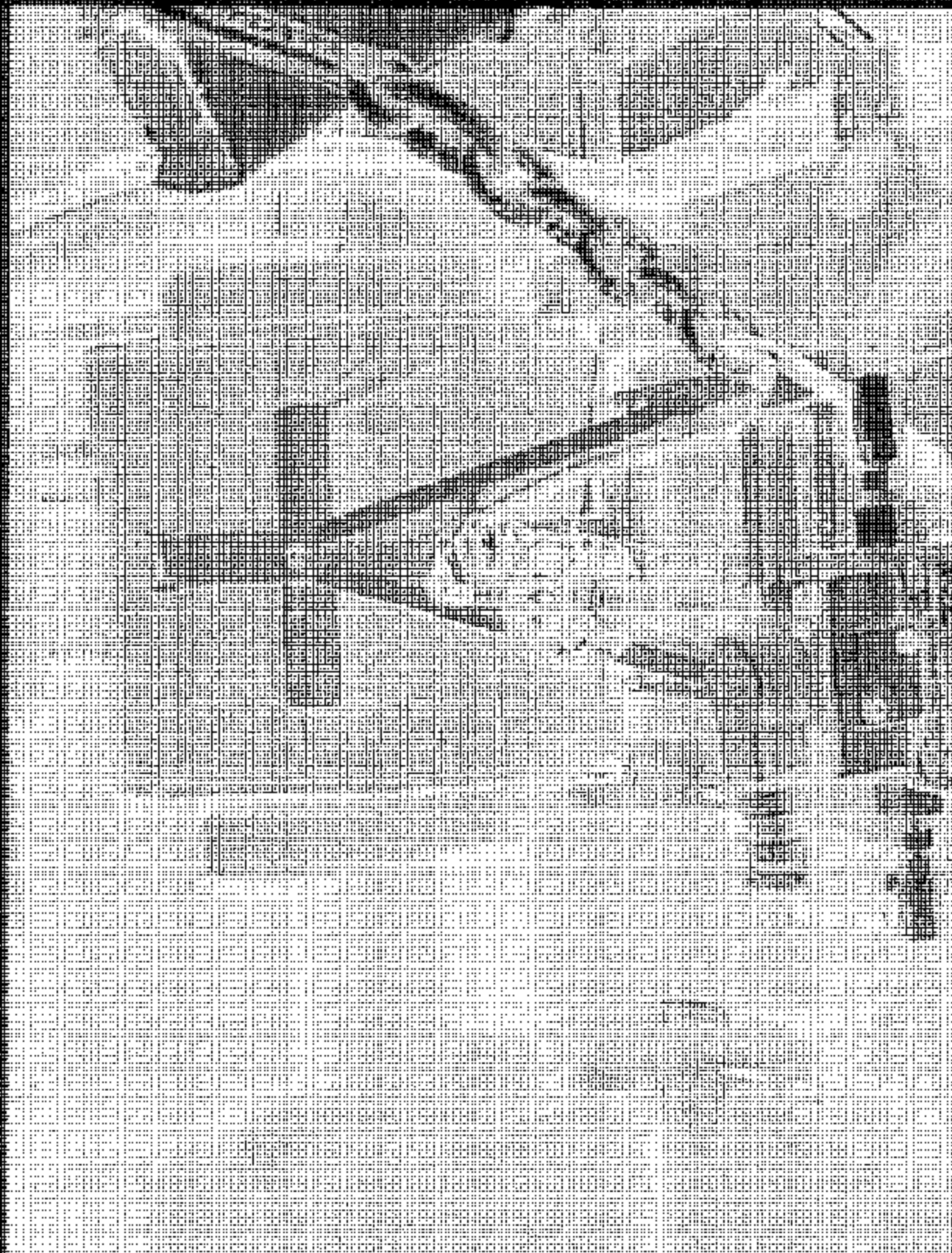
2014 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225

FIGURE 5.35
PRE-TEST SET-UP 2ND ROW LEFT POSITION
FRONT VIEW



2004 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225

FIGURE B-38
PRE-TEST SET-UP 2nd ROW LEFT POSITION
SIDE VIEW



2014 NISSAN QUEST
NHTSA NO. CZE2D3
FMVSS NO. 220

FIGURE 5.97
POST TEST 2ND ROW LEFT POSITION FRONT
VIEW

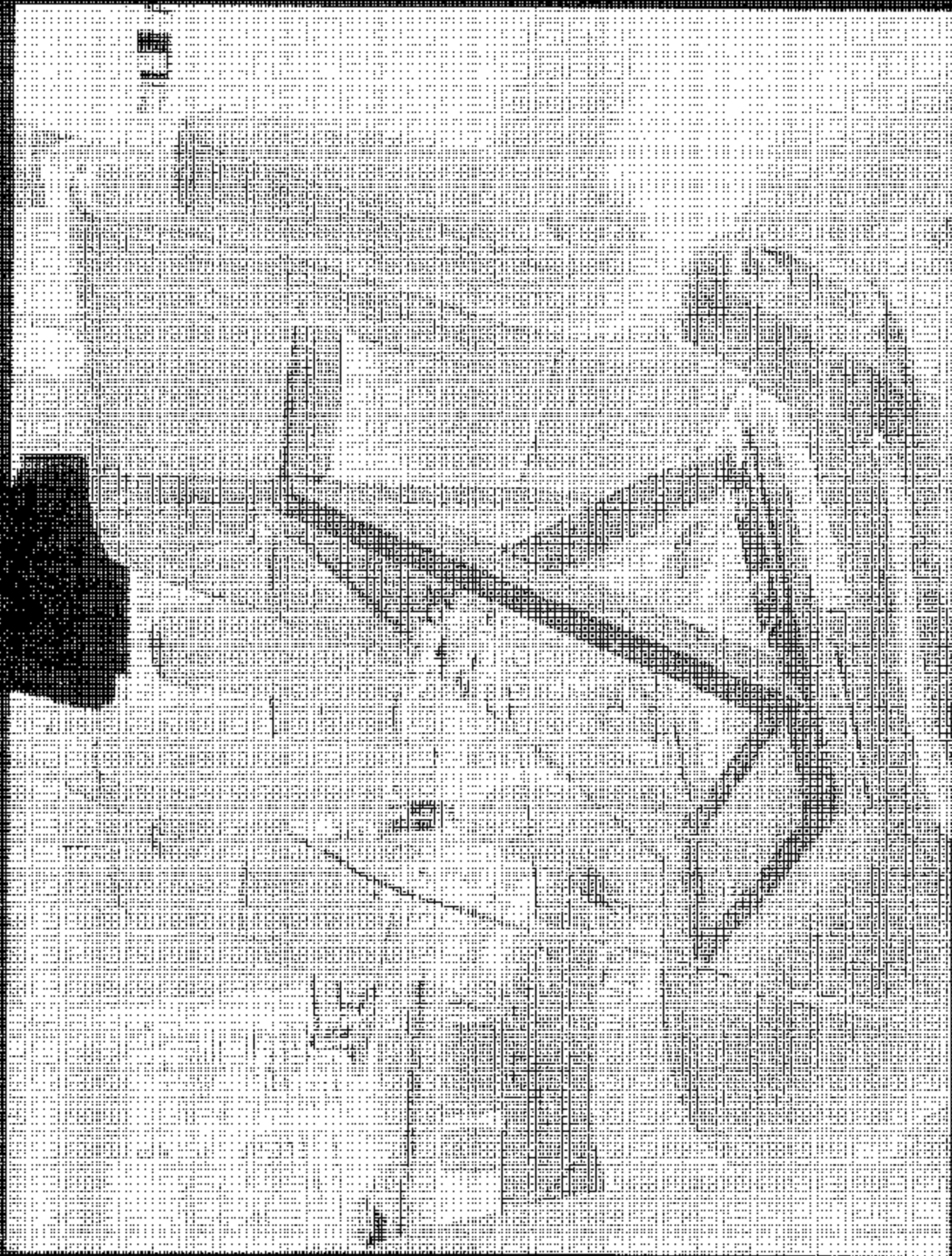
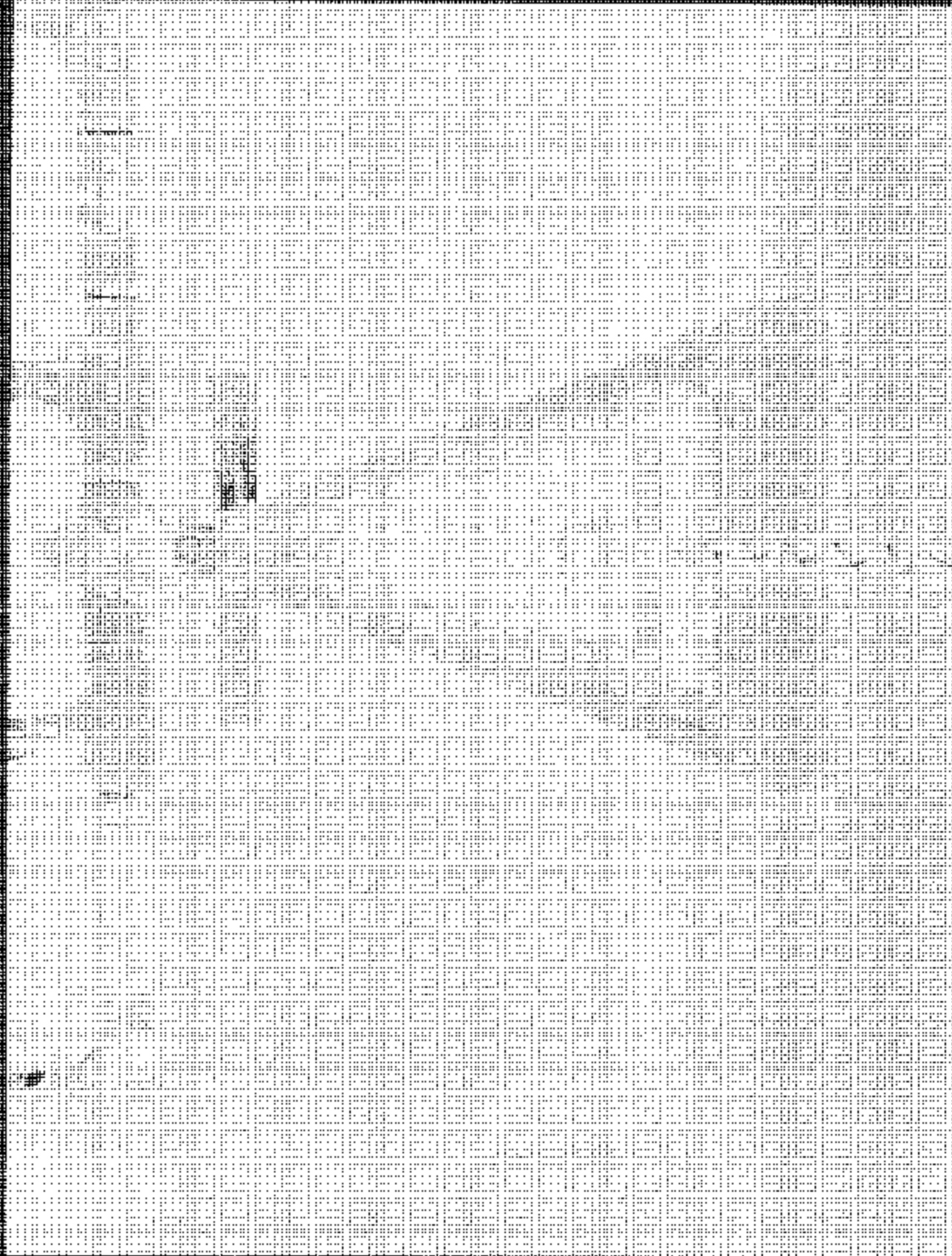


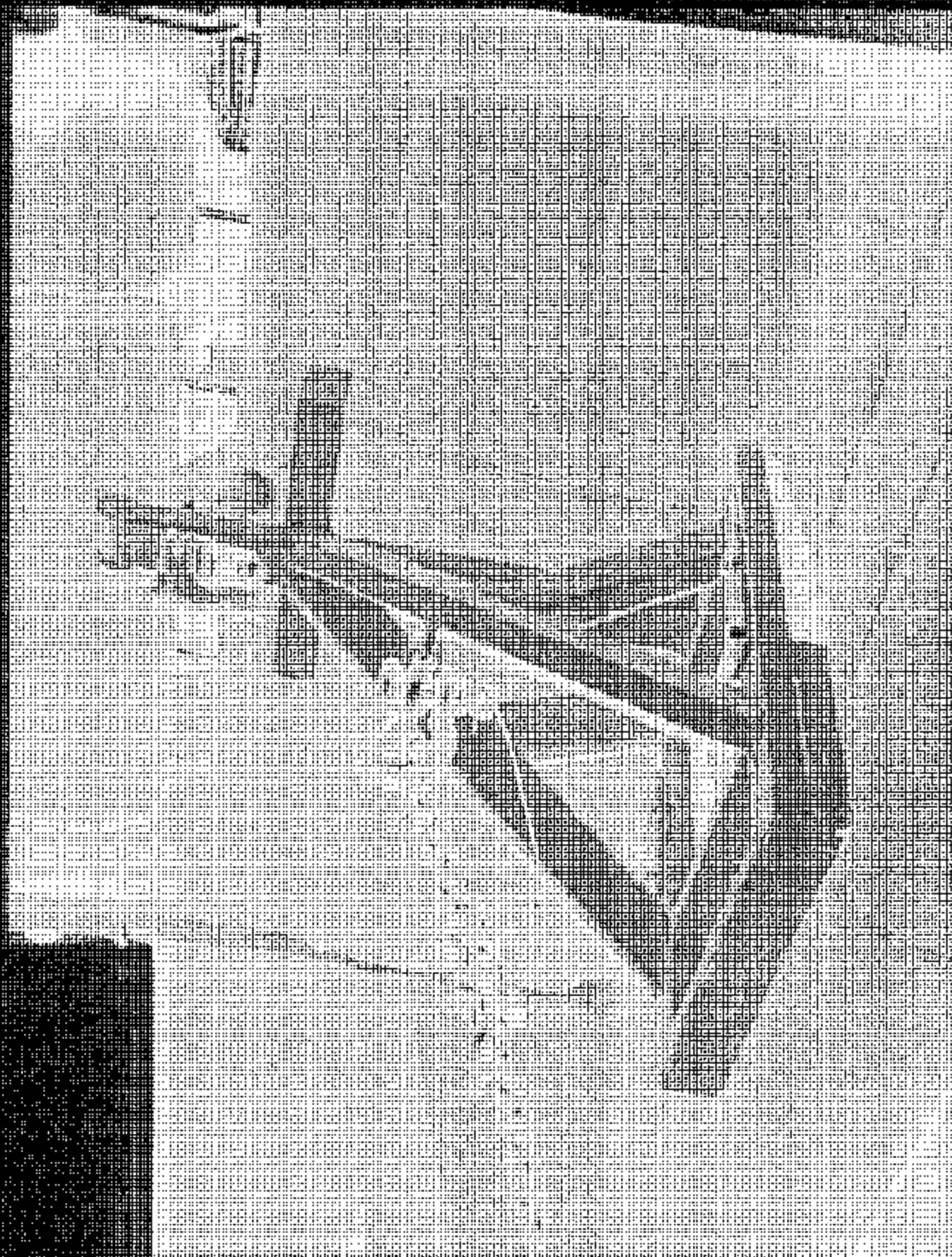
FIGURE 5-38
POST TEST 2ND ROW LEFT POSITION SIDE
VIEW

2014 HISSAN QUEST
NHTSA NO. C-43903
FMVSS NO. 225



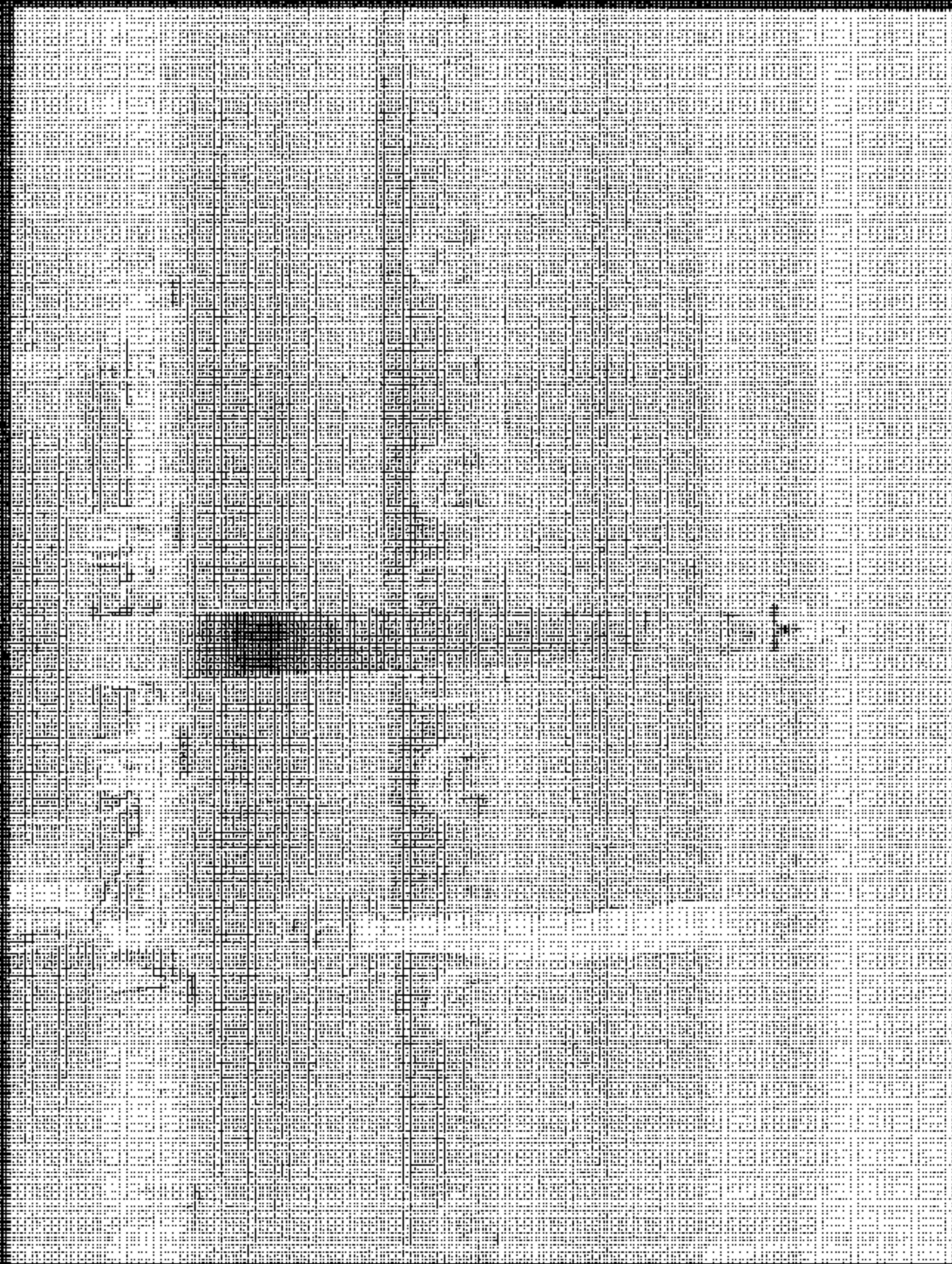
2004 NISSAN QUEST
NHTSA NO. C45203
FAVSS NO. 225

FIGURE 5-36
PRE-TEST SETUP 3RD ROW CENTER POSITION
FRONT VIEW



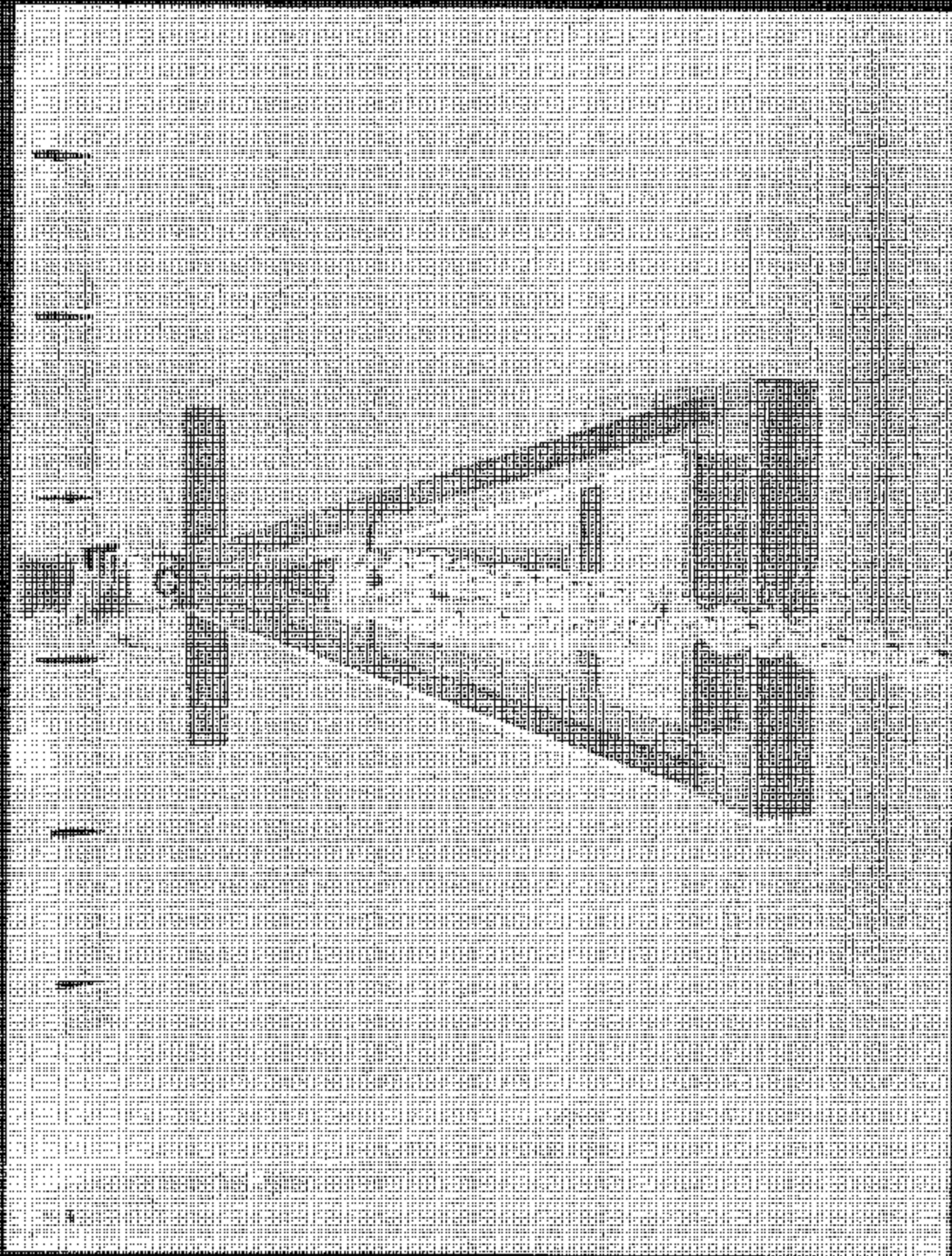
2004 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225

FIGURE E-40
PRE-TEST SET-UP 3RD ROW CENTER POSITION
SIDE VIEW



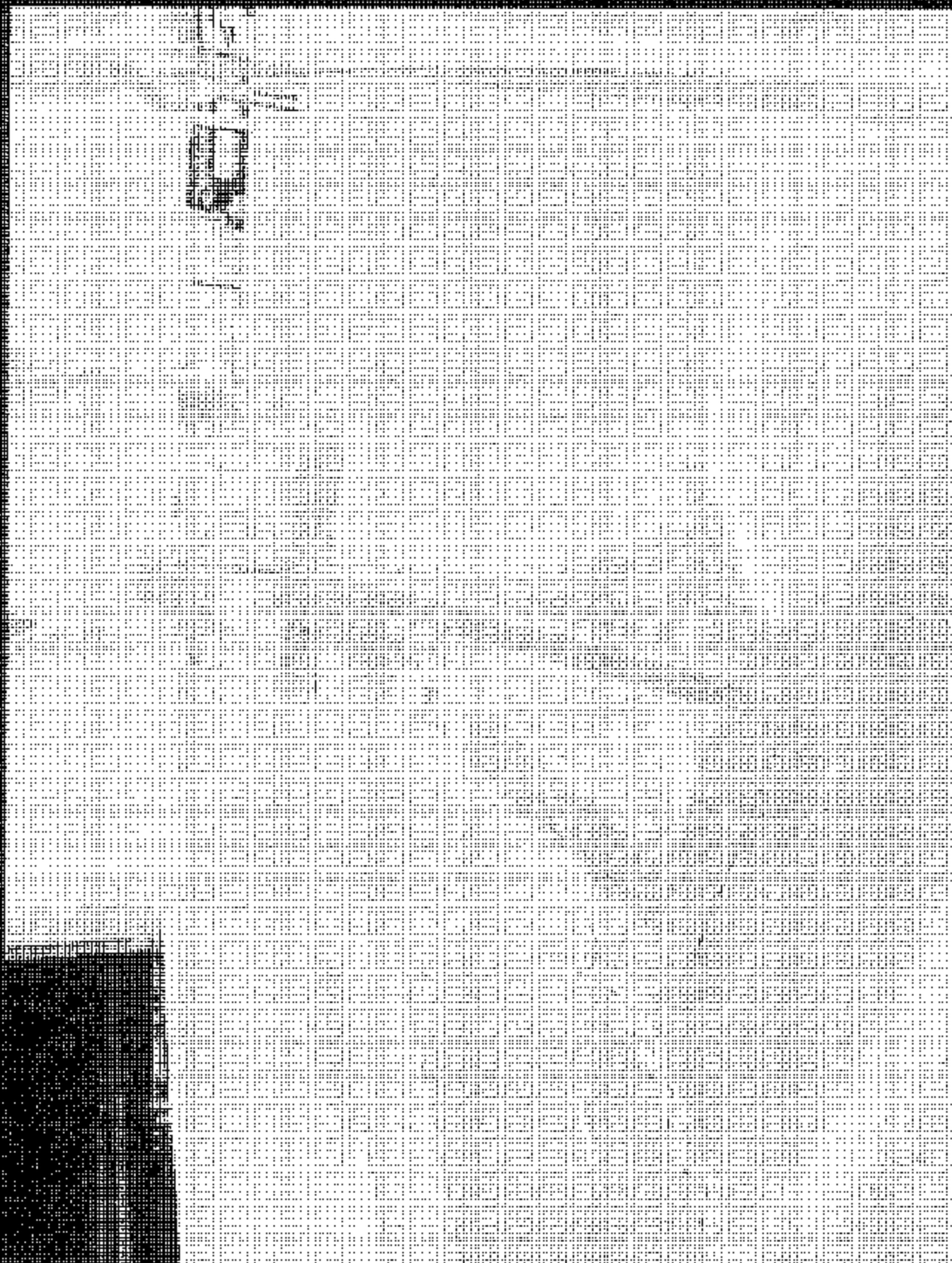
2004 NISSAN QUEST
NHTSA NO. G15203
FAVSS NO. 225

FIGURE 5-41
PRE-TEST SET-UP 3RD ROW CENTER POSITION
REAR VIEW



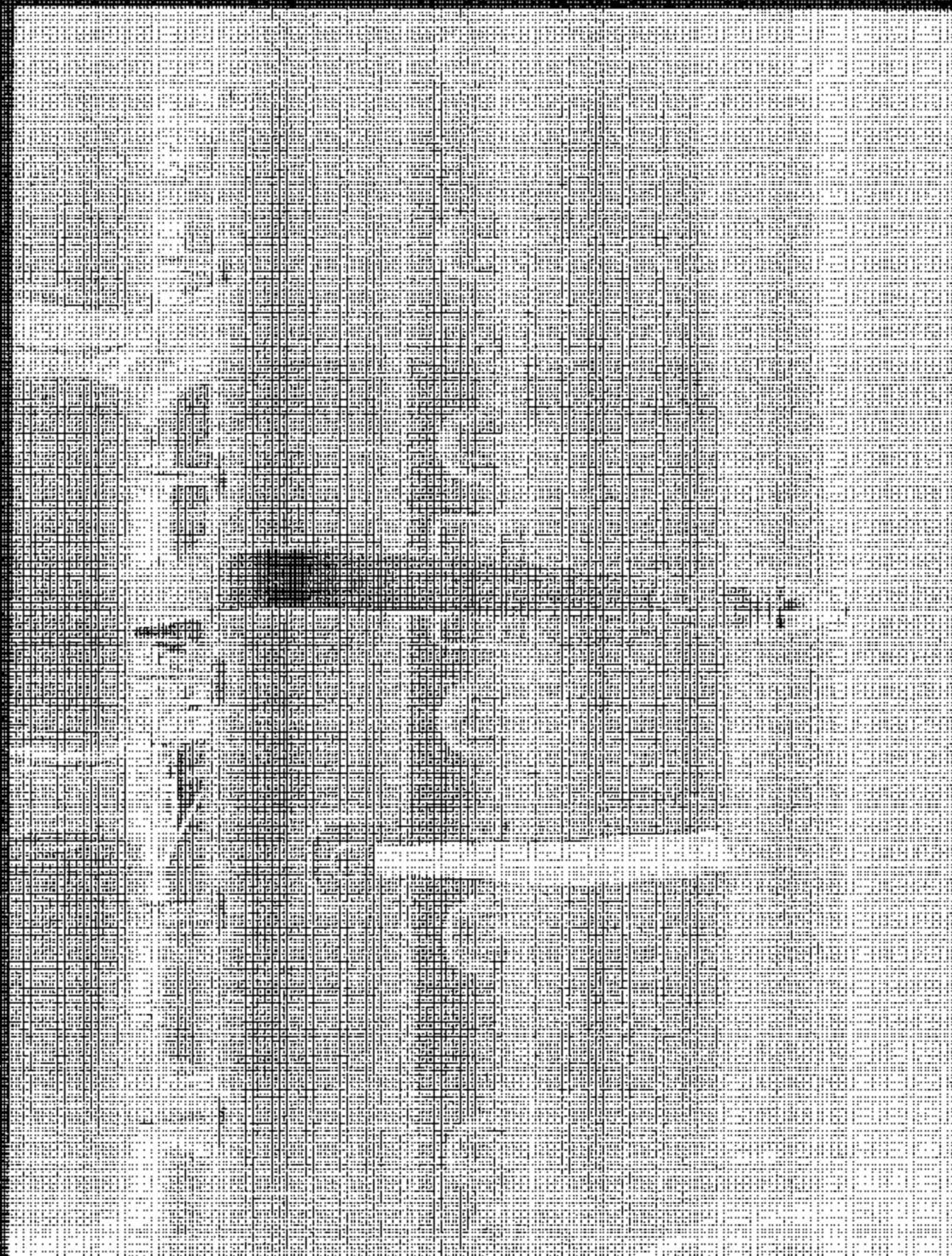
2004 NISSAN QUEST
NHTSA NO. C45208
FHVSS NO. 225

FIGURE 6-42
POST TEST 3rd ROW CENTER POSITION FRONT
VIEW



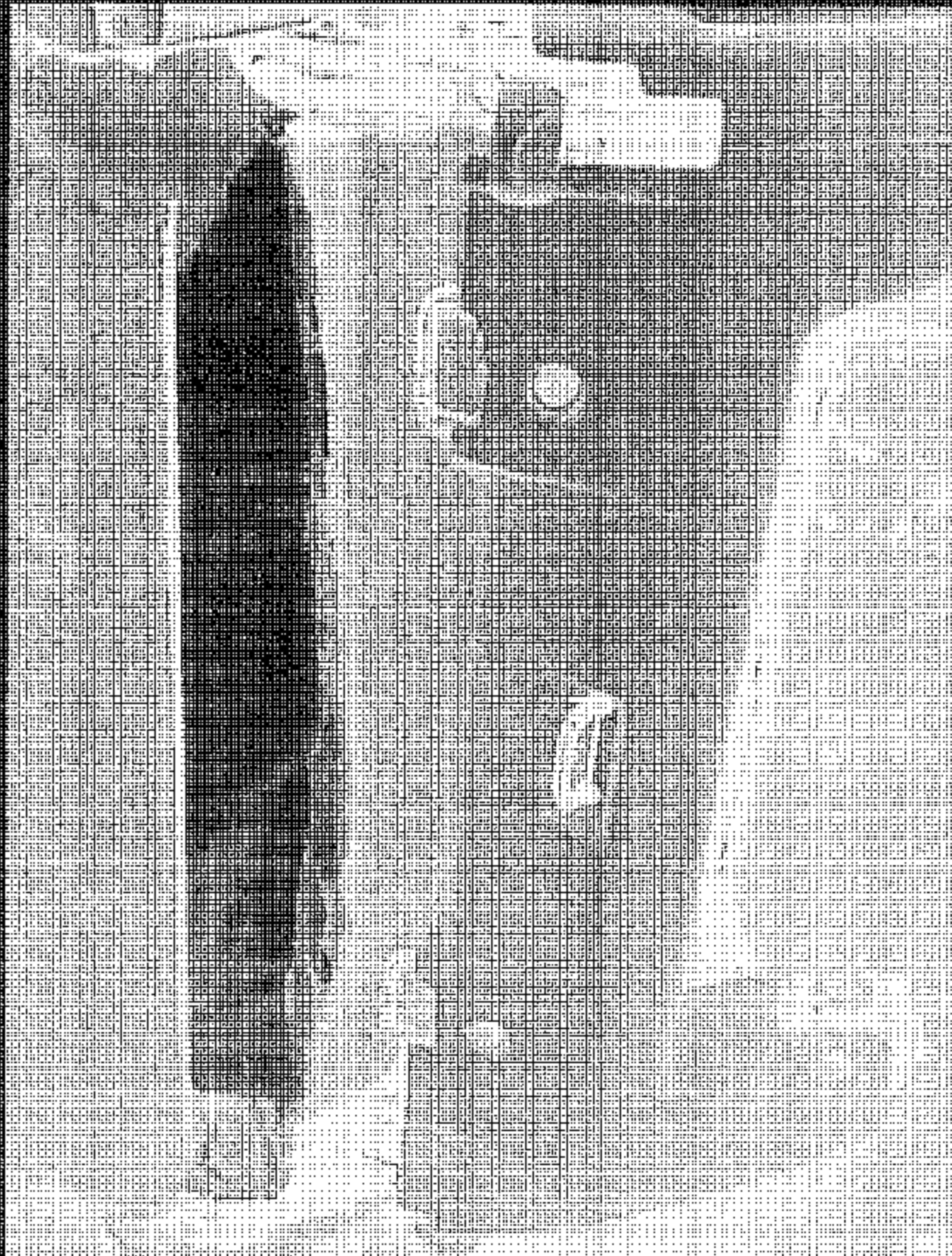
2004 NISSAN QUEST
NHITSA NO. C45203
FHVSS NO. 225

FIGURE 5-43
POST TEST 3RD ROW CENTER POSITION SIDE
VIEW



2004 NISSAN QUEST
NHTSA NO. C45203
FAVSS NO. 225

FIGURE 4-44
POST TEST 3RD ROW CENTER POSITION REAR
VIEW



2004 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225

FIGURE 145
POST TEST 2nd ROW RIGHT LOWER ANCHORS
AND TOP TETHER ANCHOR



2004 NISSAN QUEST
NHTSA NO. C45203
FVBS NO. 225

FIGURE 5.46
POST TEST 2ND ROW RIGHT LOWER ANCHORS
AND TOP TETHER ANCHOR

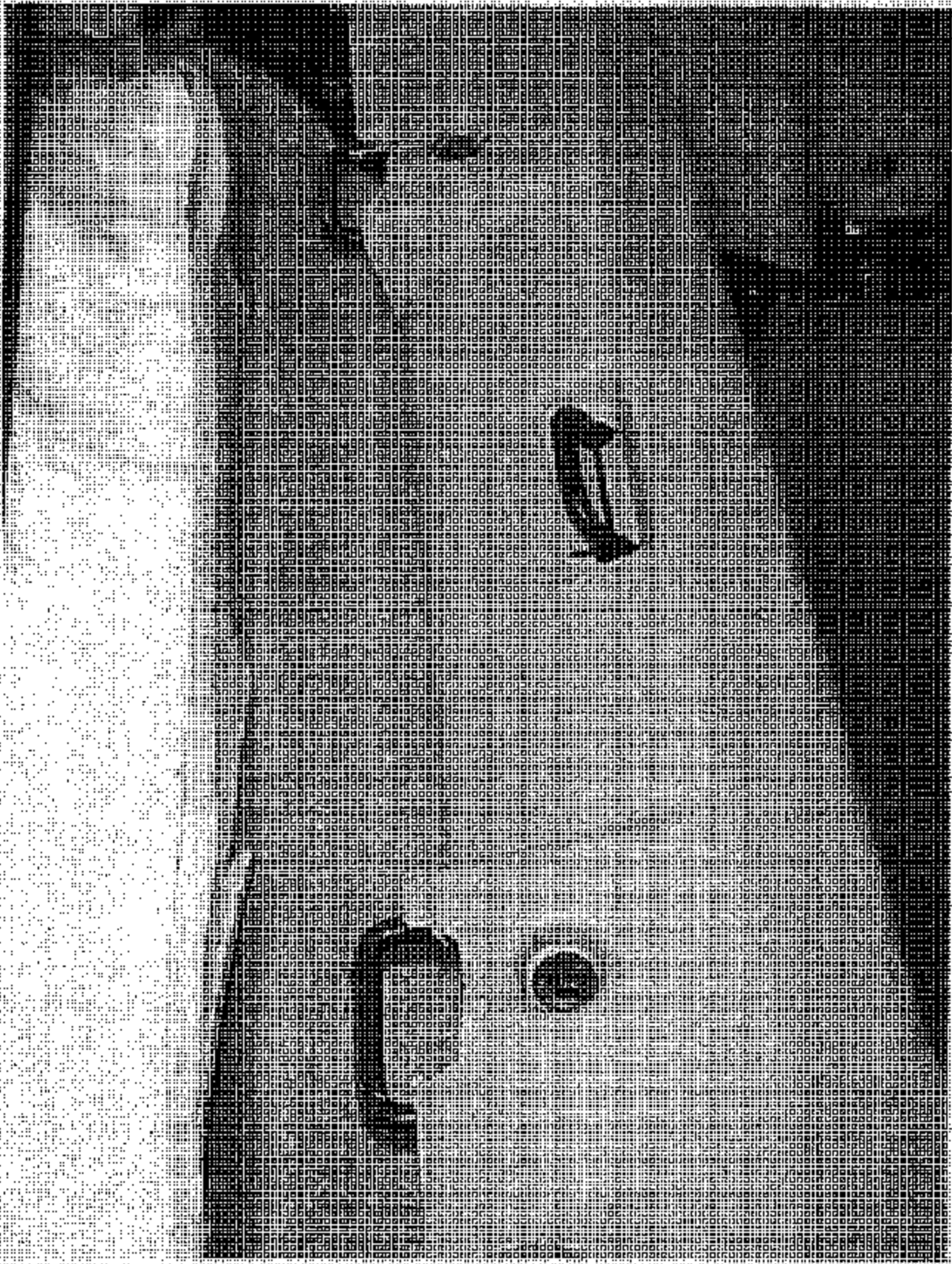
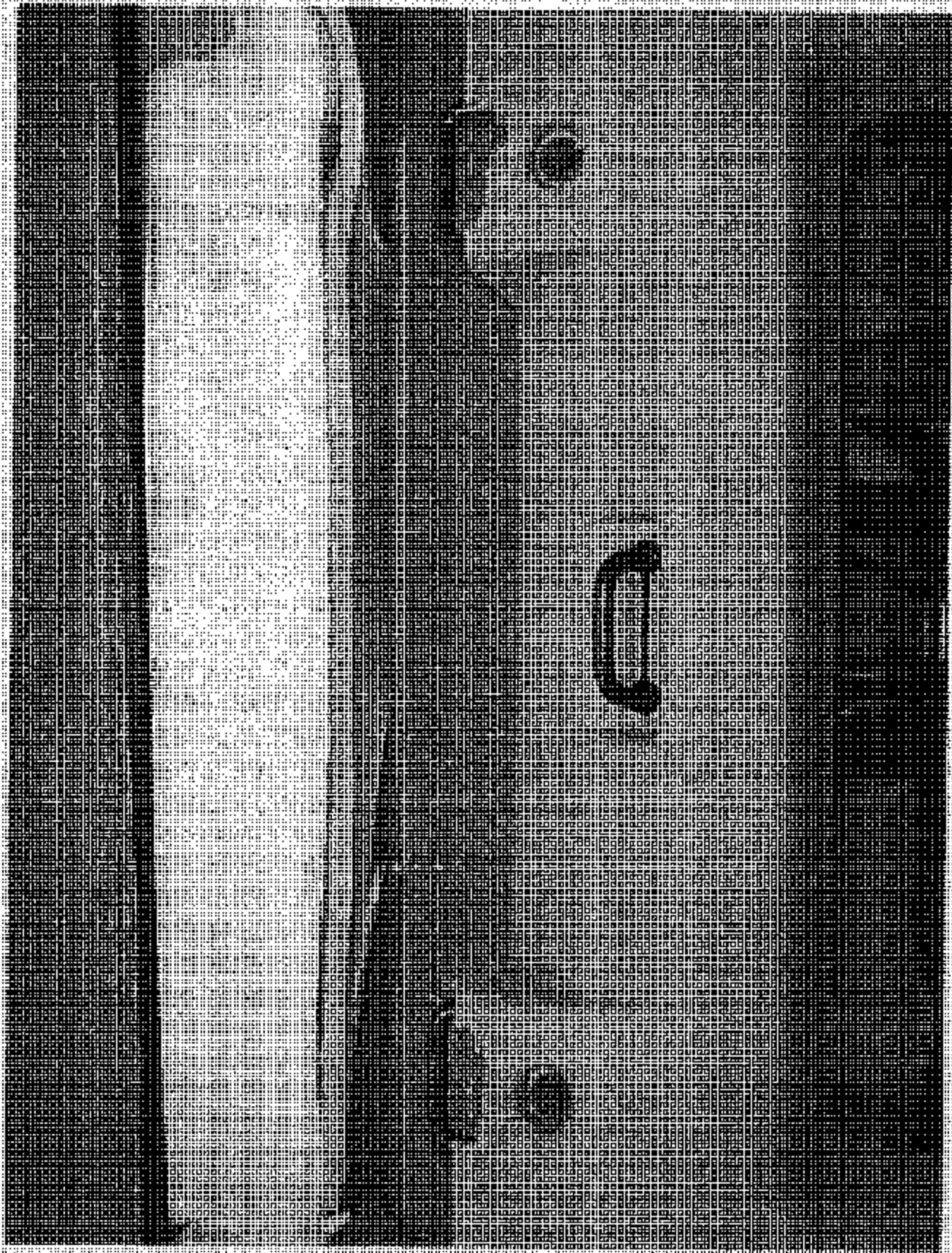


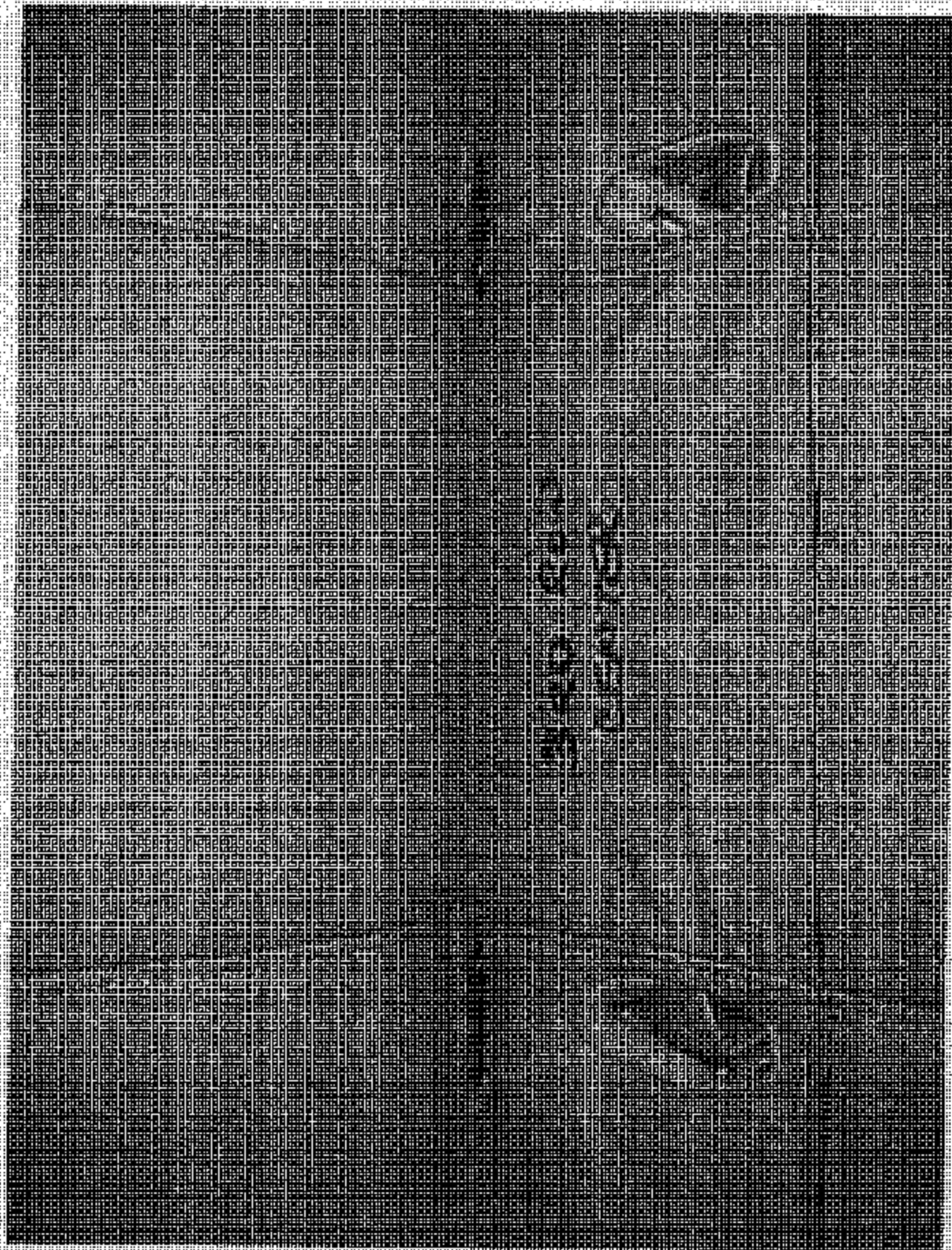
FIGURE 5-47
POST TEST 2ND ROW LEFT LOWER ANCHORS
AND TOP TETHER ANCHOR

2004 NISSAN QUEST
NHTSA NO. C-45203
FLYSS NO. 225



2004 NISSAN QUEST
NHTSA NO. C-45203
FMVSS NO. 225

FIGURE 5.48
POST TEST 2ND ROW LEFT LOWER ANCHORS
AND TOP TETHER ANCHOR



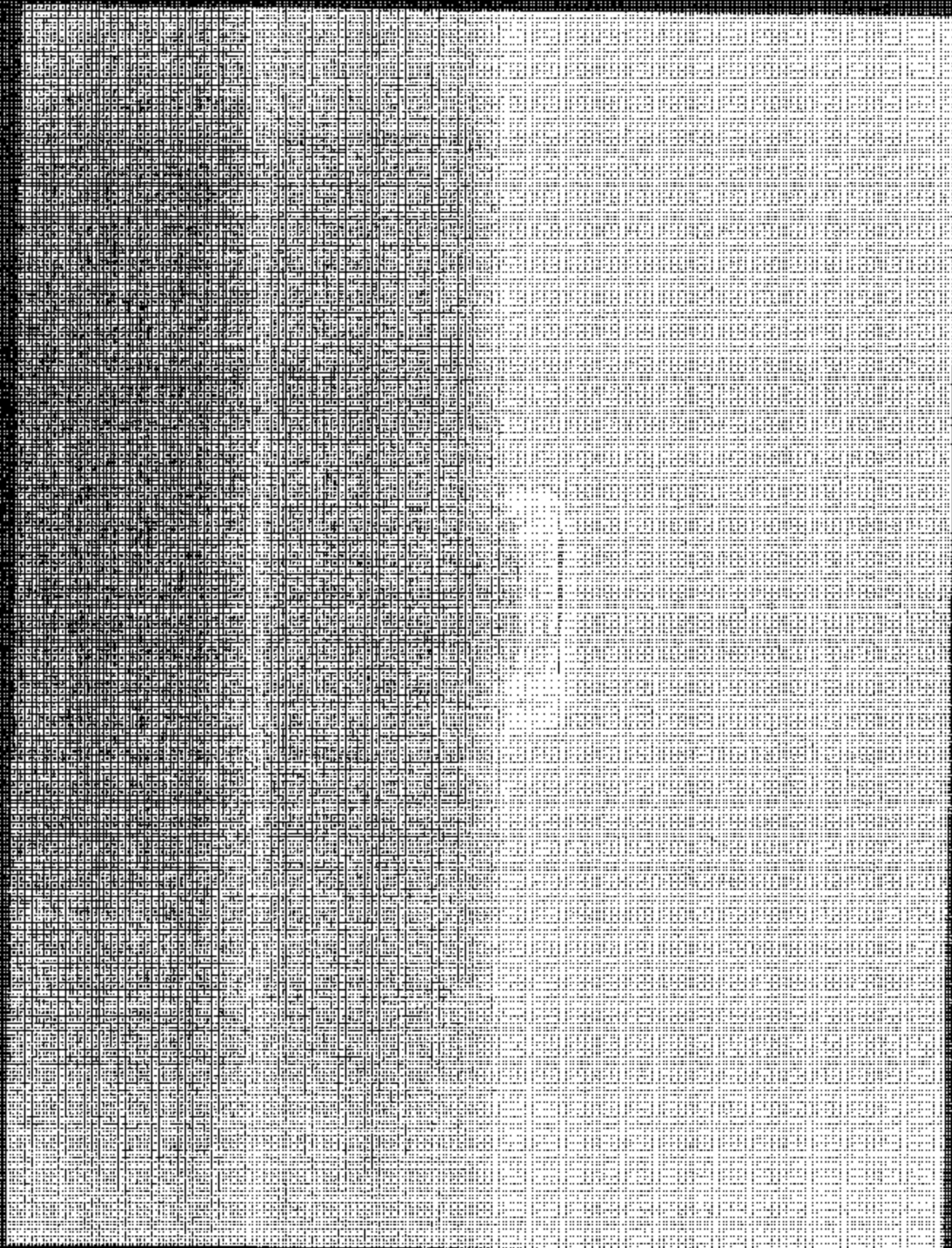
2004 NISSAN QUEST
NHSTA NO. C43209
FMVSS NO. 225

FIGURE 6-49
POST TEST 3RD ROW CENTER LOWER
ANCHORS FRONT VIEW



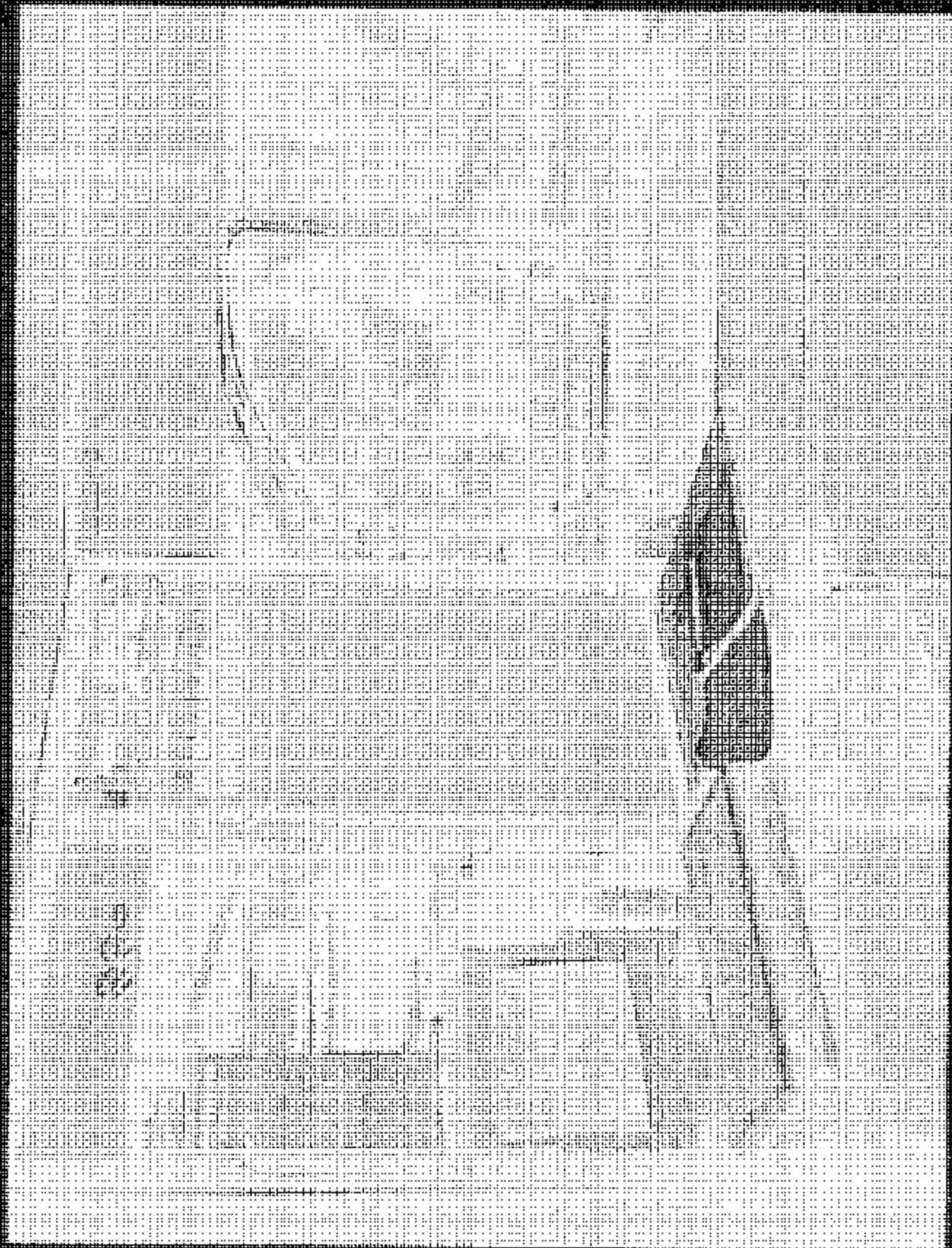
2004 NISSAN QUEST
NHTSA NO. C45263
FMVSS NO. 225

FIGURE 5.50
POST TEST 3RD ROW CENTER LOWER
ANCHORS SIDE VIEW



2004 NISSAN QUEST
NHTSA NO. C45203
FMVSS NO. 225

FIGURE 5.61
POST TEST 3RD ROW CENTER TOP TEETHER
ANCHOR



2004 NISSAN QUEST
NHTSA NO. C-45205
FLA 225

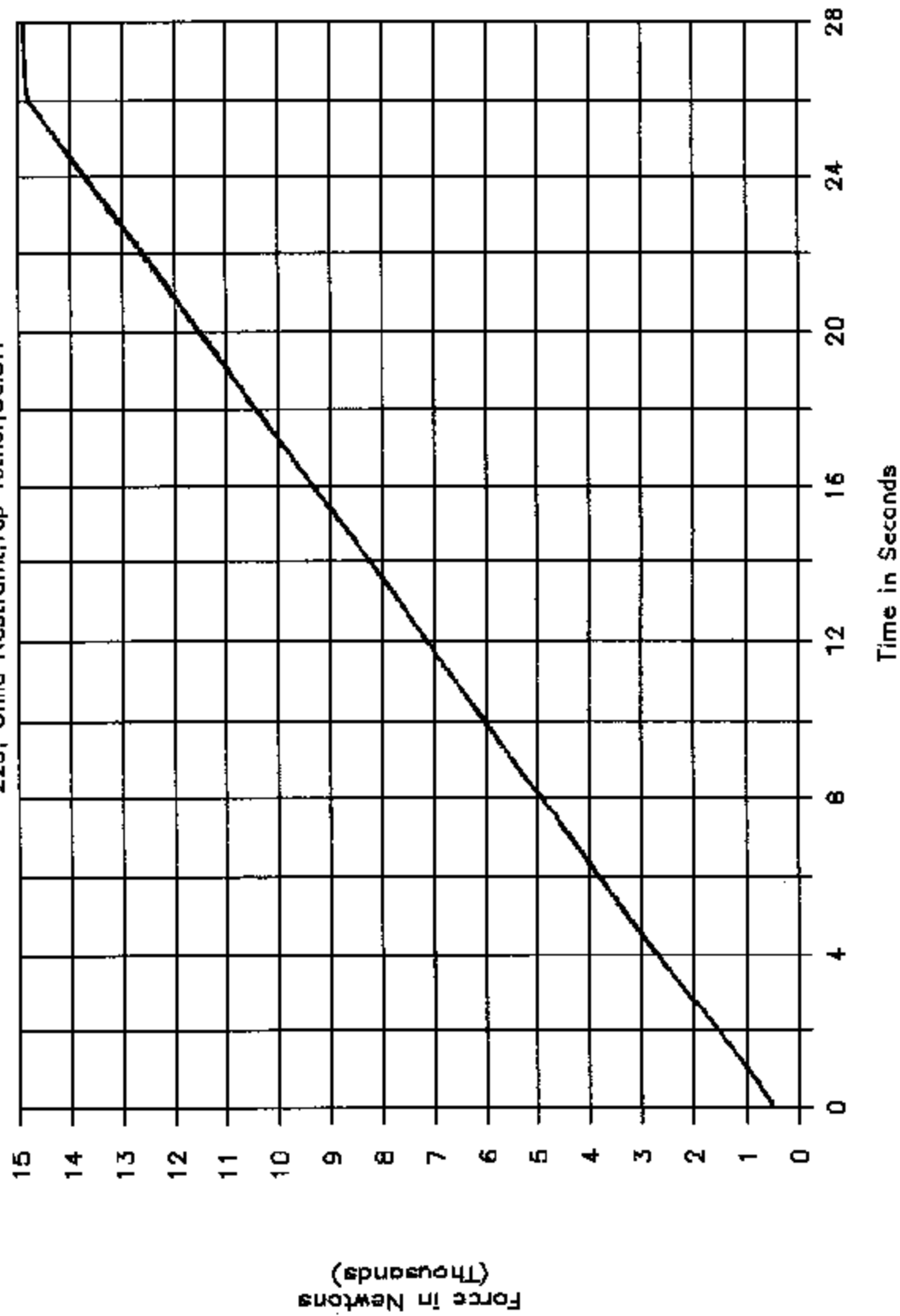
FIGURE 5.52
LOAD SYSTEM CONTROL AND DATA RECORDING
DEVICE IN POSITION

SECTION 6

PLOTS

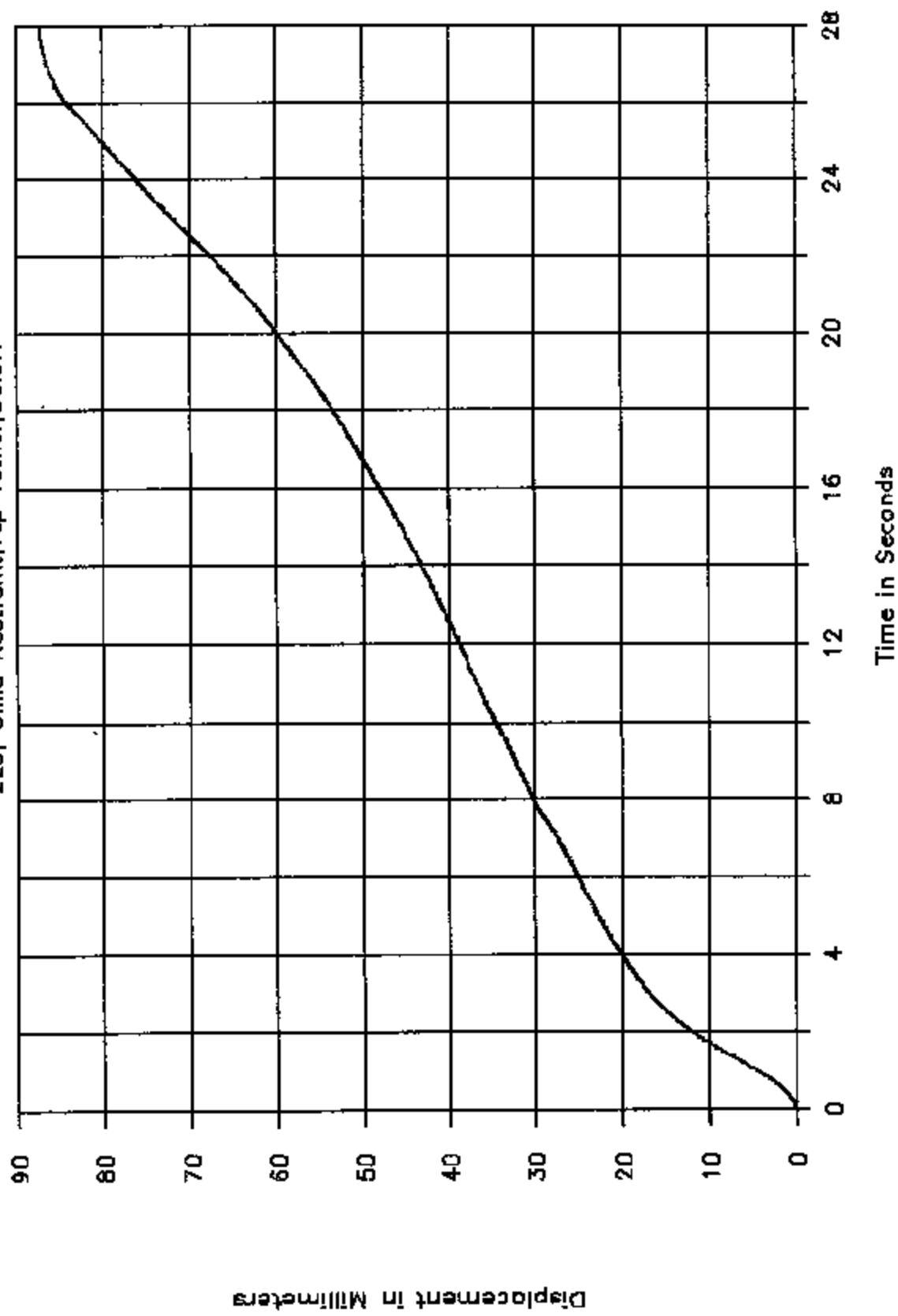
GTL 5234, NHTSA C45203

225, Child Restraint, Top Tether, S6.3.1



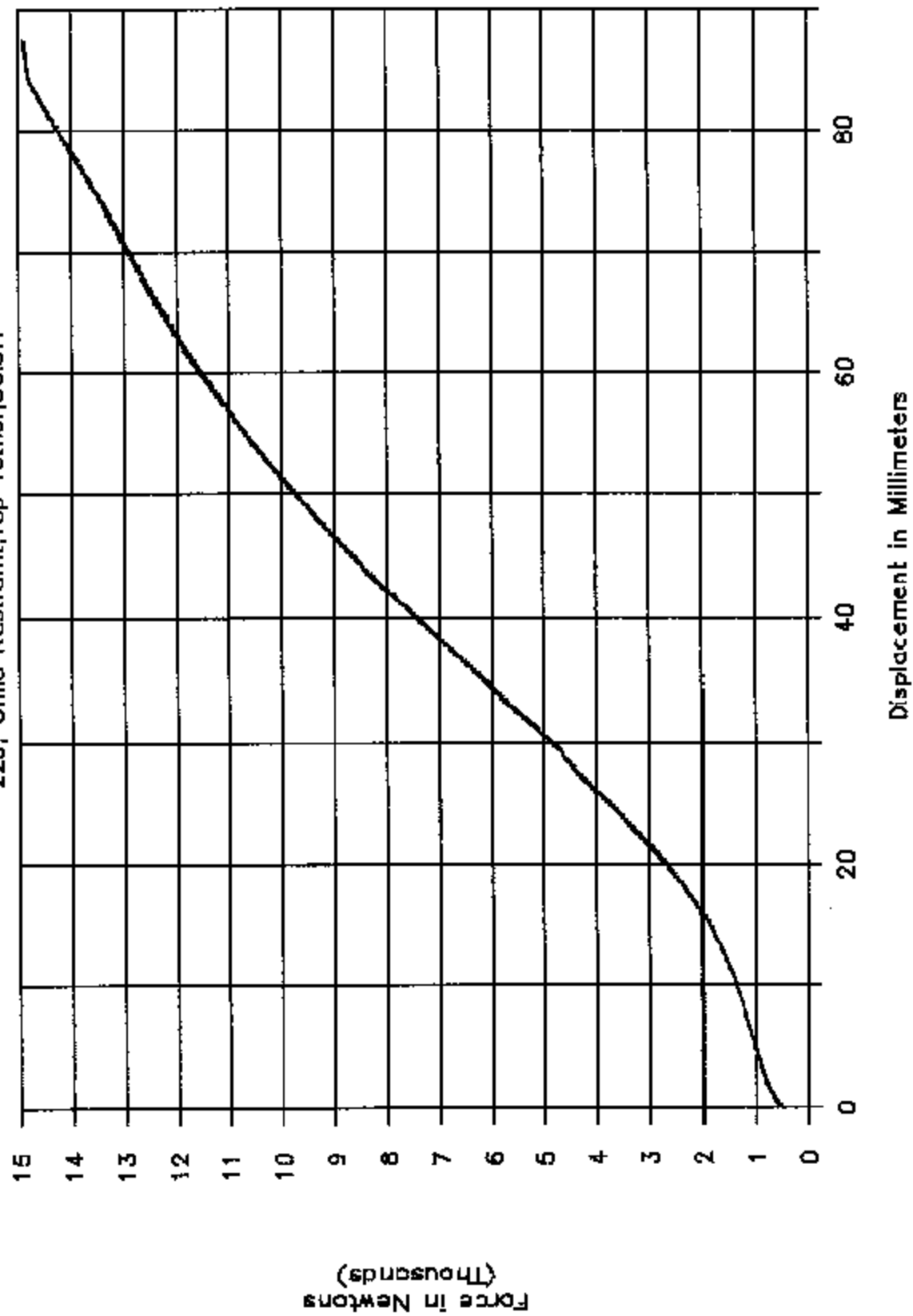
GTL 5234, NHTSA C45203

225, Child Restraint, Top Tether, S6.3.1



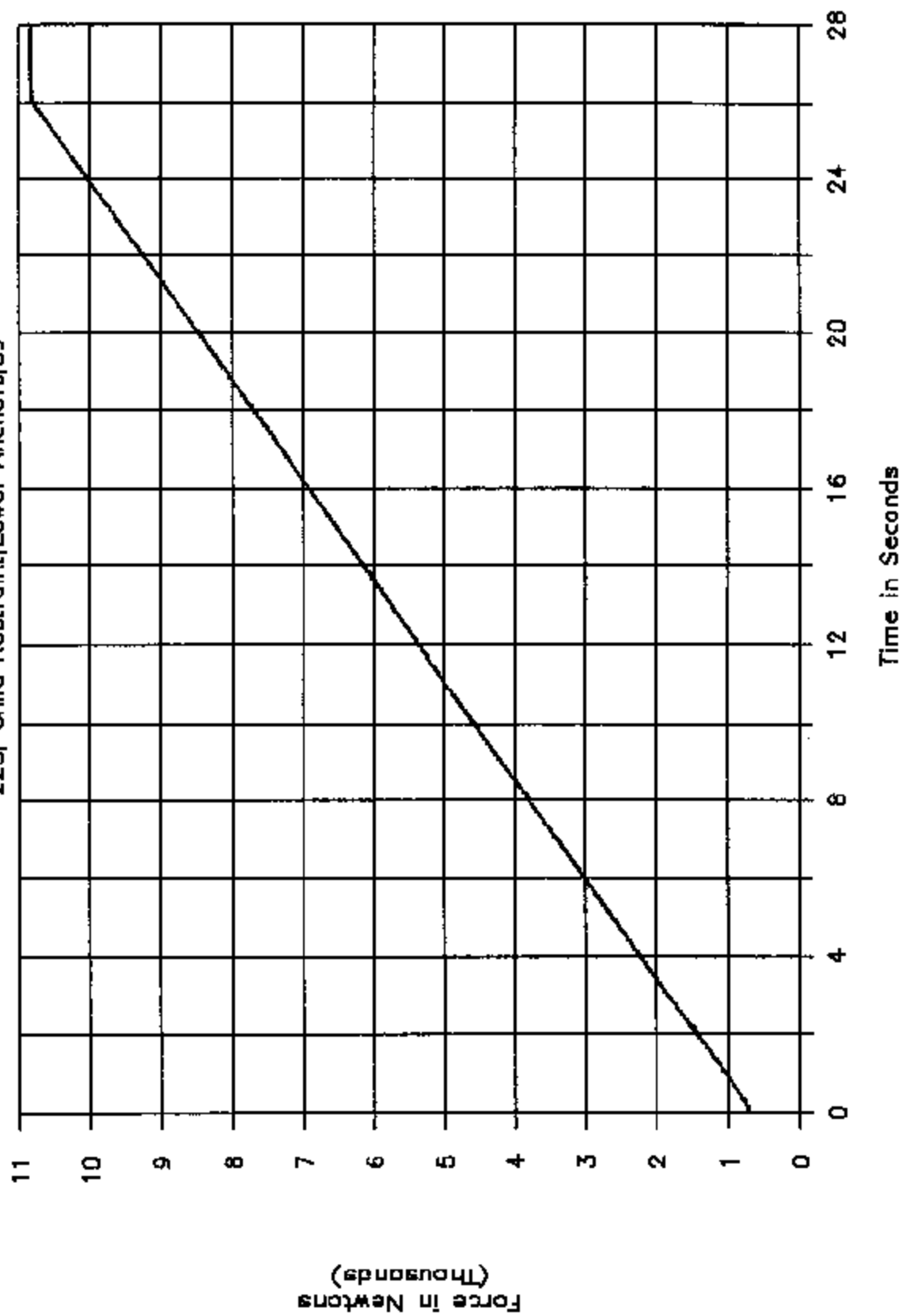
GTL 5234, NHTSA C45203

226, Child Restraint, Top Tether, S6.3.1



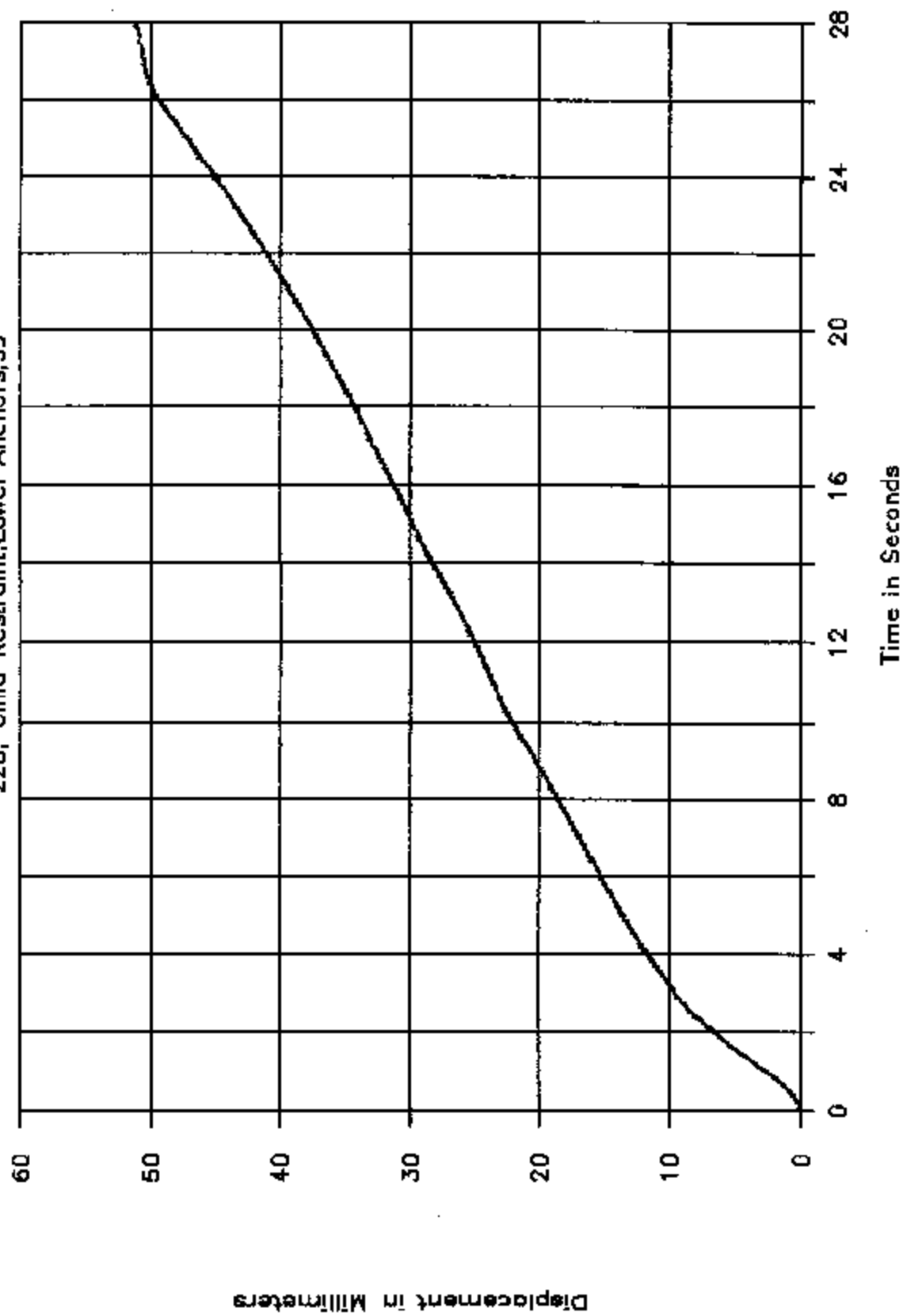
GTL 5235, NHTSA C45203

225, Child Restraint, Lower Anchors, S9



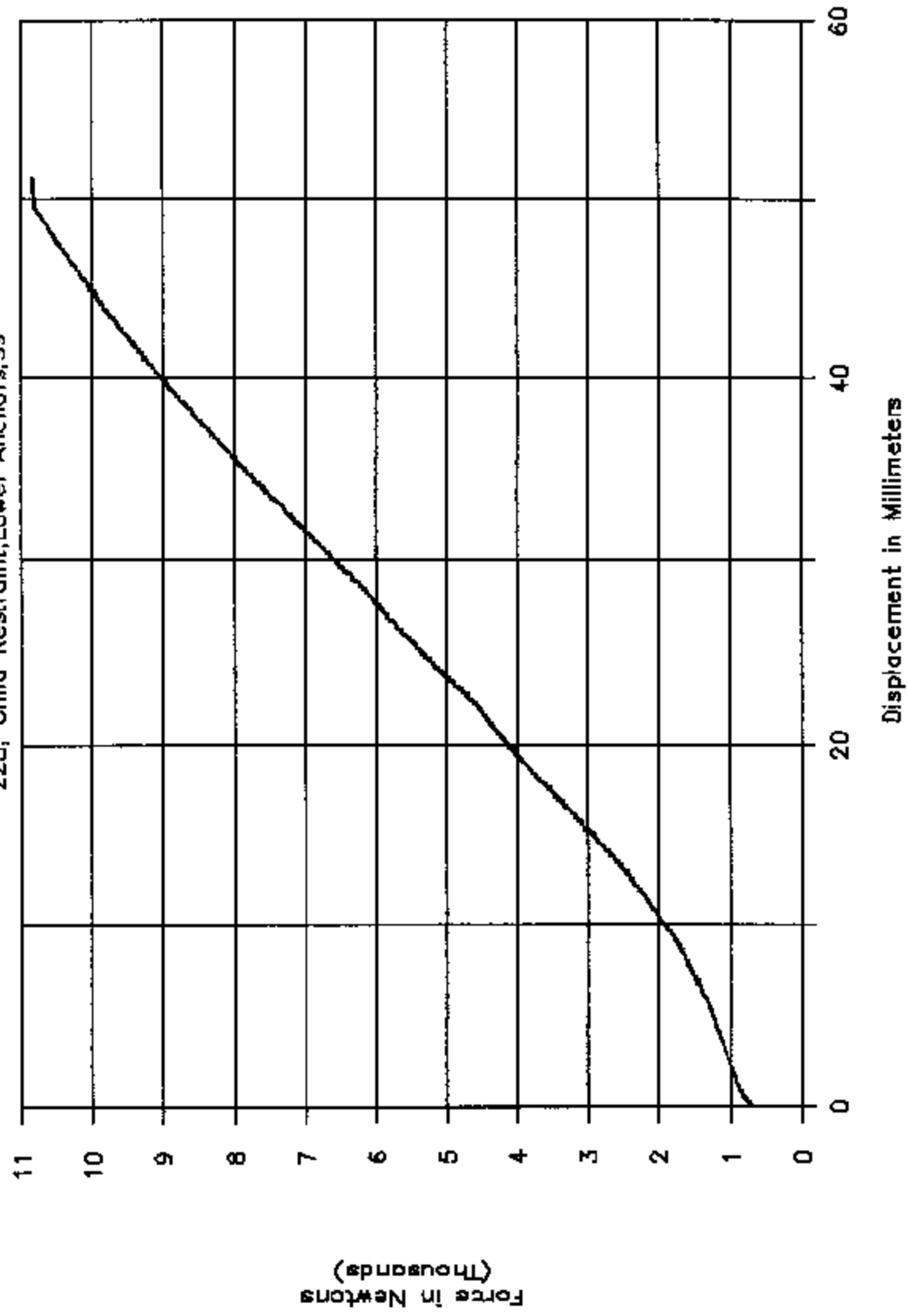
GTL 5235, NHTSA C45203

225, Child Restraint, Lower Anchors, S9



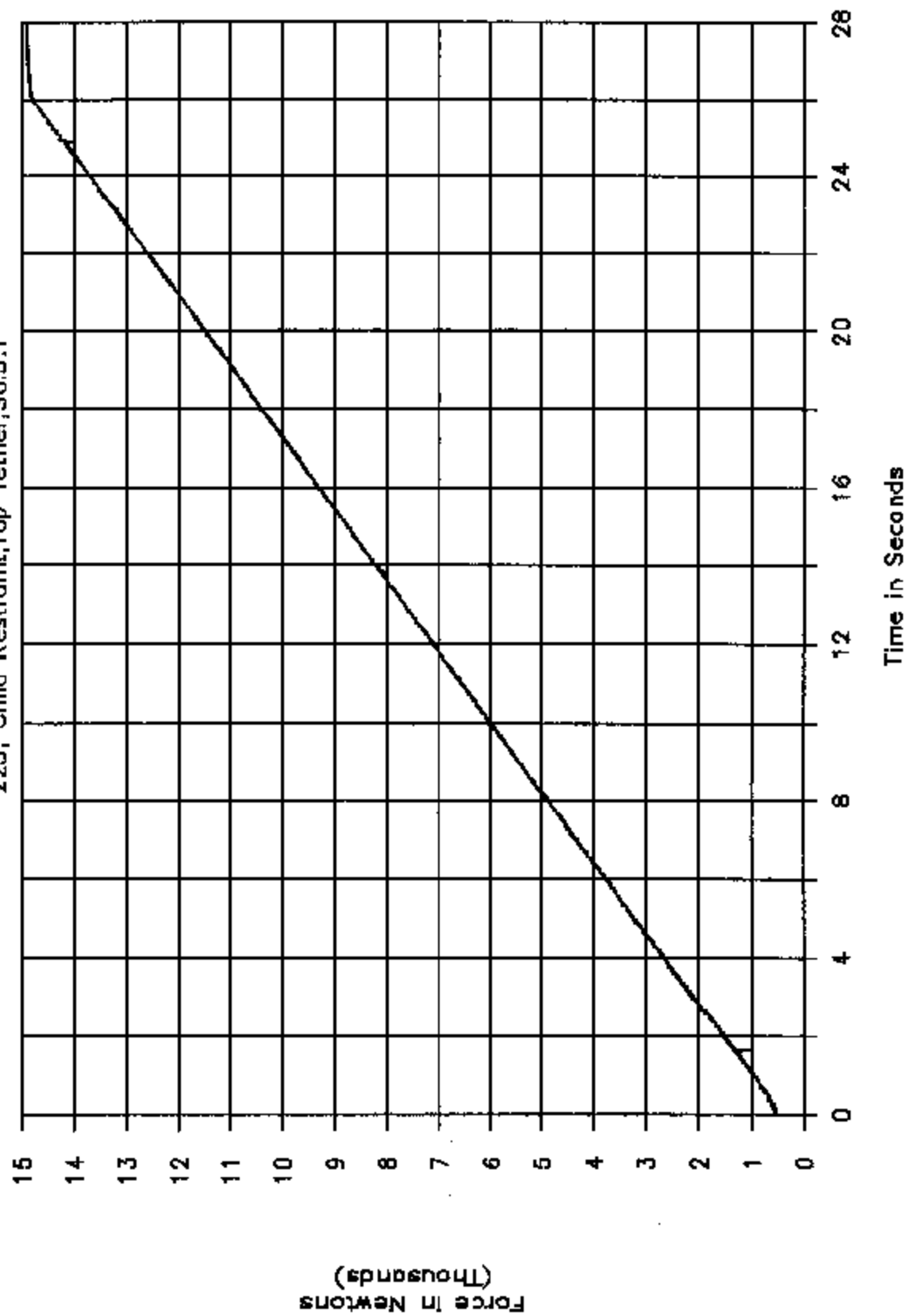
GTL 5235, NHTSA C45203

225, Child Restraint, Lower Anchors, S9



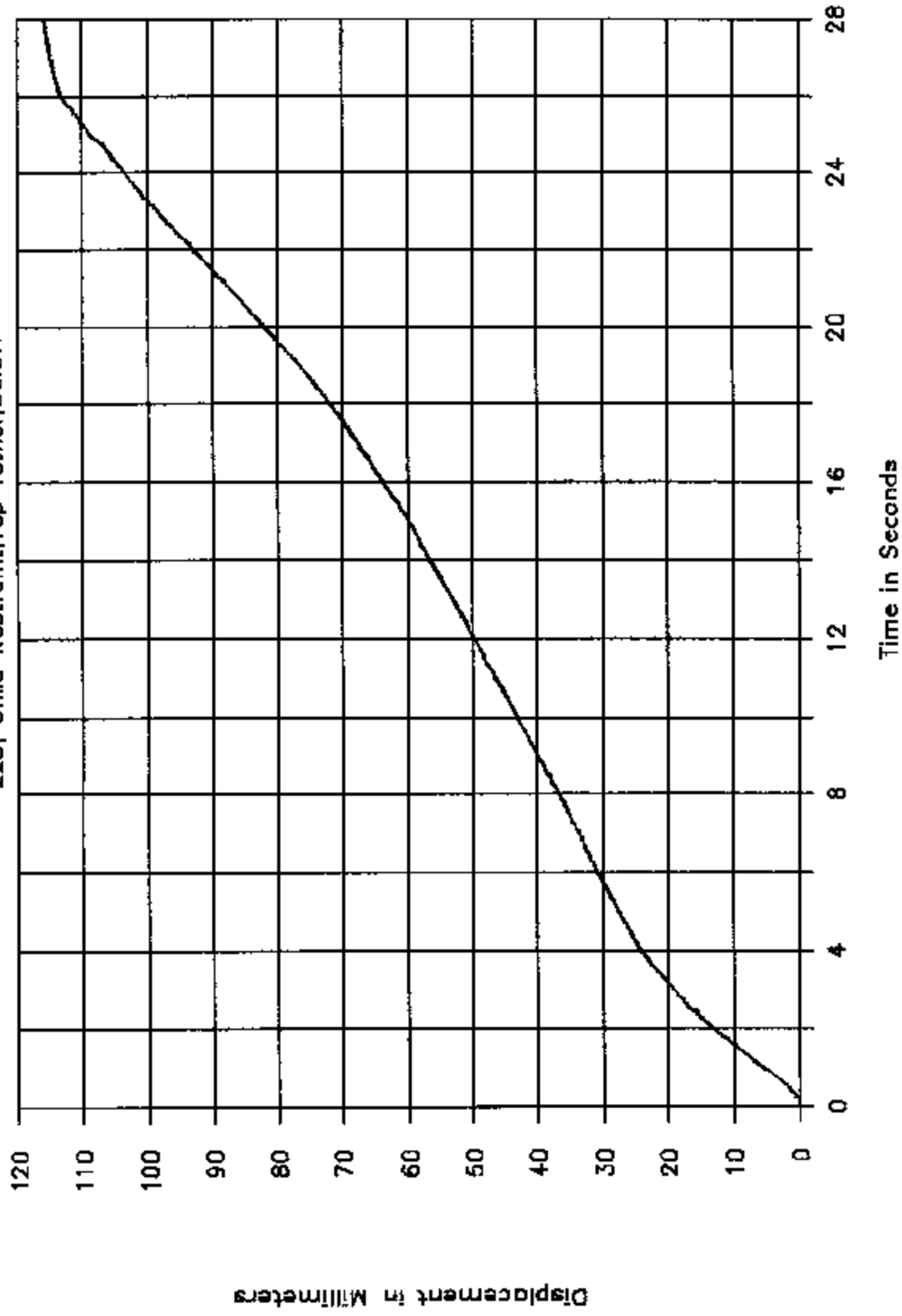
GTL 5236, NHTSA C45203

225, Child Restraint, Top Tether, S6.3.1



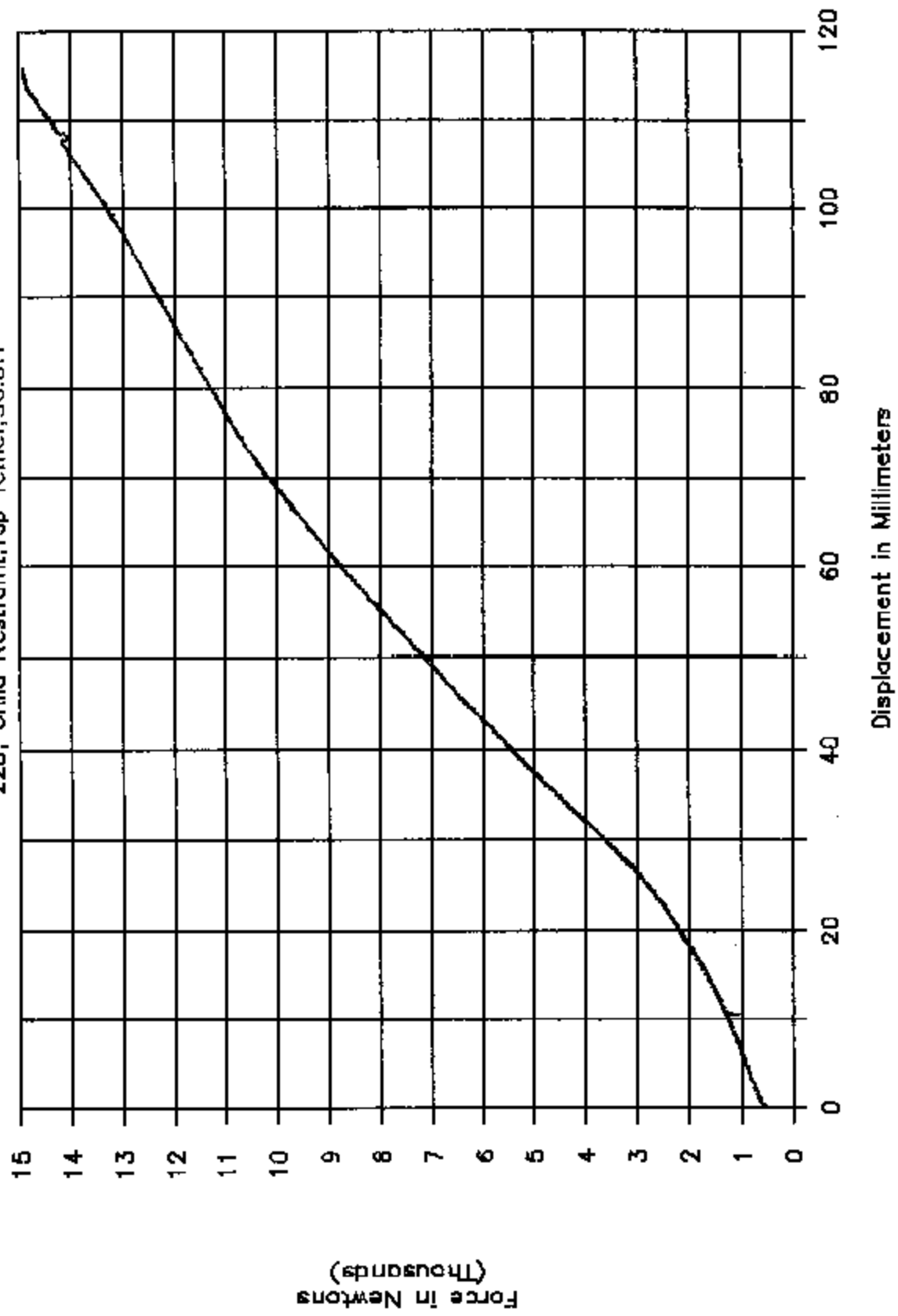
GTL 5236, NHTSA C45203

225, Child Restraint, Top Tether, S6.3.1



GTL 5236, NHTSA C45203

225, Child Restraint, Top Tether, S6.3.1



APPENDIX A

OWNER'S MANUAL CHILD RESTRAINT INFORMATION

SEAT BELT EXTENDERS

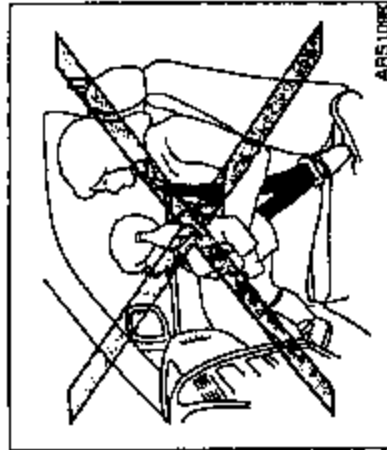
If, because of body size or driving position, it is not possible to properly fit the lap-shoulder belt and fasten it, an extender is available which is compatible with the installed seat belts. The extender adds approximately 8 inches (200 mm) of length and may be used for either the driver or front passenger seating position. See a NISSAN dealer for assistance if an extender is required.

⚠ WARNING

- Only NISSAN seat belt extenders, made by the same company which made the original equipment seat belts, should be used with NISSAN seat belts.
- Adults and children who can use the standard seat belt should not use an extender. Such unnecessary use could result in serious personal injury in the event of an accident.
- Never use seat belt extenders to install child restraints. If the child restraint is not secured properly, the child could be seriously injured in a collision or a sudden stop.

SEAT BELT MAINTENANCE

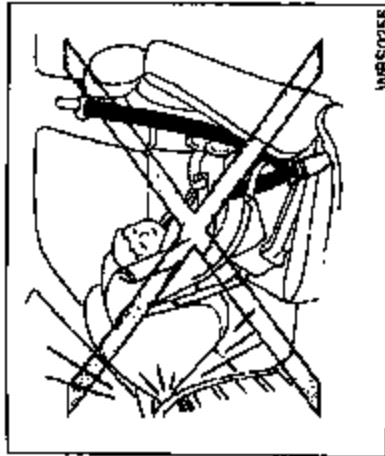
- To clean the seat belt webbing, apply a mild soap solution or any solution recommended for cleaning upholstery or carpet. Then wipe with a cloth and allow the seat belts to dry in the shade. Do not allow the seat belts to retract until they are completely dry.
- If dirt builds up in the shoulder belt guide of the seat belt anchors, the seat belts may retract slowly. Wipe the shoulder belt guide with a clean, dry cloth.
- Periodically check to see that the seat belt and the metal components, such as buckles, tongues, retractors, flexible wires and anchors, work properly. If loose parts, deterioration, cuts or other damage on the webbing is found, the entire seat belt assembly should be replaced.



PRECAUTIONS ON CHILD RESTRAINTS

⚠ WARNING

- Infants and small children should always be placed in an appropriate child restraint while riding in the vehicle. Failure to use a child restraint can result in serious injury or death.



⚠ WARNING

- Infants and small children should never be carried on your lap. It is not possible for even the strongest adult to resist the forces of a severe accident. The child could be crushed between the adult and parts of the vehicle. Also, do not put the same seat belt around both your child and yourself.

- Never install a rear-facing child restraint in the front seat. An inflating supplemental front air bag could seriously injure or kill your child. A rear-facing child restraint must only be used in the rear seat.

- NISSAN recommends that the child restraint be installed in the rear seat. According to accident statistics, children are safer when properly restrained in the rear seat than in the front seat.

- An improperly installed child restraint could lead to serious injury or death in an accident.

In general, child restraints are designed to be installed with the lap portion of a three-point type seat belt. In addition, this vehicle is equipped with a universal child restraint lower anchor system, referred to as the LATCH (Lower Anchors and Tethers for Children) system. Some child restraints include two rigid or webbing-mounted attachments that can be connected to these lower anchors. For details, see the "LATCH (Lower Anchors and Tethers for Children) system" later in this section.

Child restraints for infants and small children of various sizes are offered by several manufacturers. When selecting any child restraint, keep the following points in mind:

- Choose only a restraint with a label certifying that it complies with Federal Motor Vehicle Safety Standard 213 or Canadian Motor Vehicle Safety Standard 213.

- Check the child restraint in your vehicle to be sure it is compatible with the vehicle's seat and seat belt system.

- If the child restraint is compatible with your vehicle, place your child in the child restraint and check the various adjustments to be sure the child restraint is compatible with your child. Always follow all recommended procedures.

All U.S. states and provinces of Canada require that infants and small children be restrained in an approved child restraint at all times while the vehicle is being operated.

⚠ WARNING

- Improper use of a child restraint can increase the risk or severity of injury for both the child and other occupants of the vehicle.

- Follow all of the child restraint manufacturer's instructions for installation and use. When purchasing a child restraint, be sure to select one which will fit your child and vehicle. It may not be possible to properly install some types of child restraints in your vehicle.

- If the child restraint is not anchored properly, the risk of a child being injured in a collision or a sudden stop greatly increases.
- Adjustable seatbacks should be positioned to fit the child restraint, but as upright as possible.
- After attaching the child restraint, test it before you place the child in it. Tilt it from side to side. Try to tug it forward and check to see if the belt holds the restraint in place. The child restraint should not move more than 1 inch. If the restraint is not secure, tighten the belt as necessary, or put the restraint in another seat and test it again.

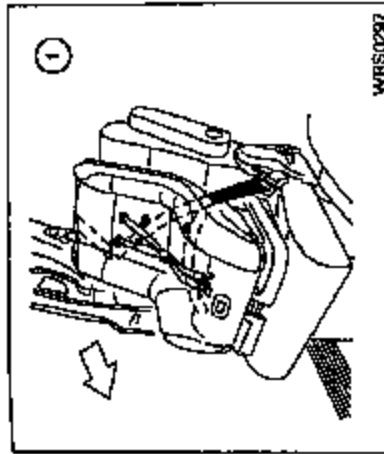
CAUTION

Remember that a child restraint left in a closed vehicle can become very hot. Check the seating surface and buckles before placing your child in the child restraint.

INSTALLATION ON 2ND ROW CAPTAIN'S CHAIRS

WARNING

- The three-point seat belt in your vehicle is equipped with an automatic locking mode retractor which must be used when installing a child restraint.



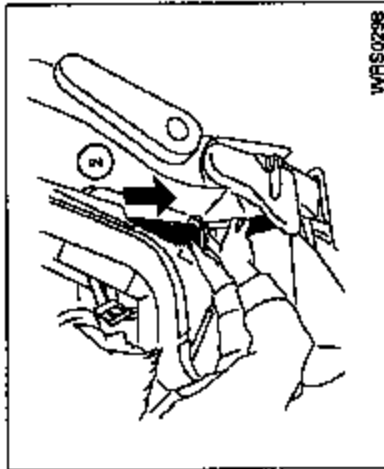
WRS0292

Front Facing — step 1

Front facing

When you install a child restraint on the 2nd row captain's chairs, follow these steps:

1. Position the child restraint on the seat. It can be placed in a front facing direction, depending on the size of the child. Remove the head restraint from the seat back. Store it in a secure place. Always follow the restraint manufacturer's instructions.

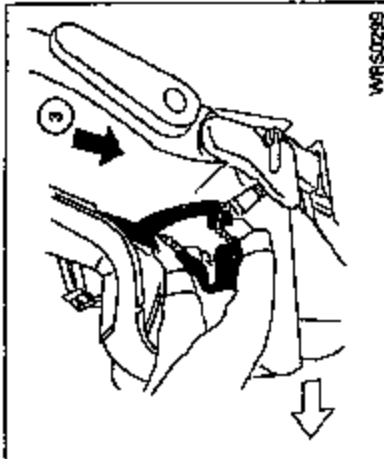


WRS0298

Front Facing — step 2

2. Route the seat belt tongue through the child restraint and insert it into the buckle until you hear and feel the latch engage.

Be sure to follow the child restraint manufacturer's instructions for belt routing.

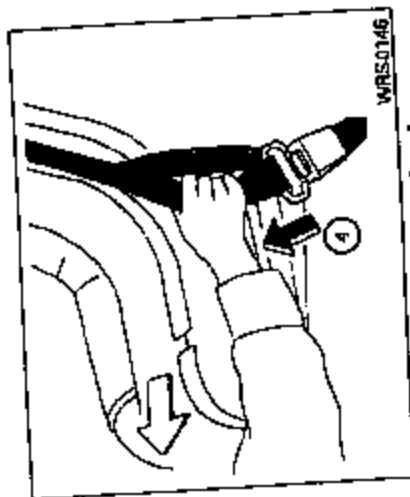


WRS0299

Front Facing — step 3

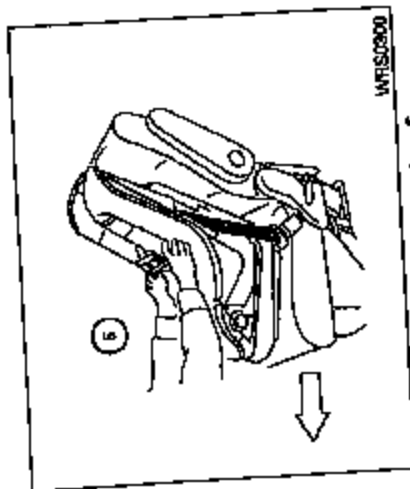
3. Pull on the shoulder belt until all of the belt is fully extended. At this time, the seat belt retractor is in the automatic locking mode (child restraint mode). It reverts back to emergency locking mode when the seat belt is fully retracted.

After the child restraint is removed and the seat belt is fully retracted, the automatic locking mode (child restraint mode) is canceled.



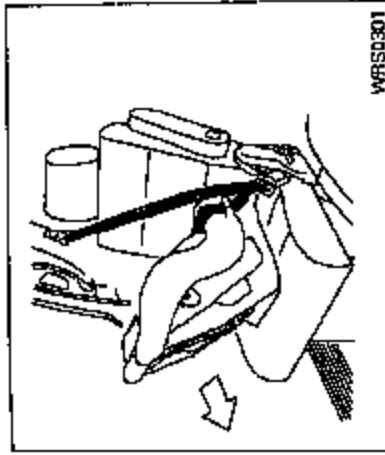
Front Facing — step 4

4. Allow the seat belt to retract. Pull up on the shoulder belt to remove any slack in the belt.



Front Facing — step 5

5. Before placing the child in the child restraint, use force to tilt the child restraint from side to side, and tug it forward to make sure that it is securely held in place. It should not move more than 1 inch.
6. Check that the retractor is in the automatic locking mode by trying to pull more seat belt out of the retractor. If you cannot pull any more belt webbing out of the retractor, the retractor is in the automatic locking mode.
7. Check to make sure that the child restraint is properly secured prior to each use. If the belt is not locked, repeat steps 3 through 6.

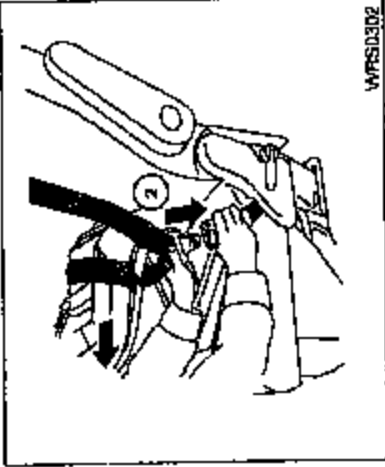


Rear Facing — step 1

Rear facing

When you install a child restraint on the 2nd row captain's chair, follow these steps:

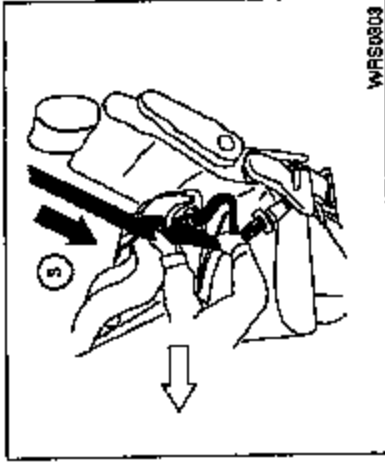
1. Position the child restraint on the seat. The direction of the child restraint depends on the type of the child restraint and the size of the child. Always follow the restraint manufacturer's instructions.



Rear Facing — step 2

2. Route the seat belt tongue through the child restraint and insert it into the buckle until you hear and feel the latch engage.

Be sure to follow the child restraint manufacturer's instructions for belt routing.



Rear Facing — step 3

3. Pull on the shoulder belt until all of the belt is fully extended. At this time, the seat belt retractor is in the automatic locking mode (child restraint mode). It reverts to emergency locking mode when the seat belt is fully retracted.

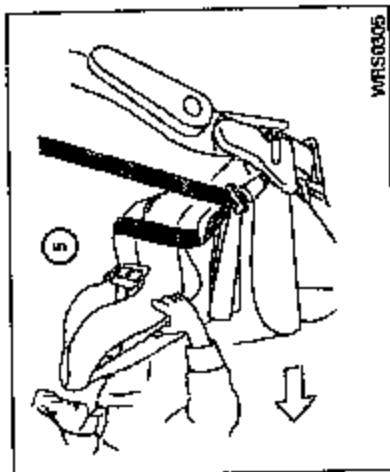
7. Check to make sure that the child restraint is properly secured prior to each use. If the belt is not locked, repeat steps 3 through 6.

After the child restraint is removed and the seat belt fully retracted, the automatic locking mode (child restraint mode) is canceled.

INSTALLATION ON 3RD ROW BENCH SEAT

⚠ WARNING

- The three-point seat belt in your vehicle is equipped with an automatic locking mode retractor which must be used when installing a child restraint.
- Failure to use the retractor's locking mode will result in the child restraint not being properly secured. The restraint could tip over or otherwise be unsecured and cause injury to the child in a sudden stop or collision.
- When installing a child restraint system in the rear center position, both the center seat belt connector tongue and buckle tongue must be secured. See "Attaching rear center seat belt" earlier in this section.

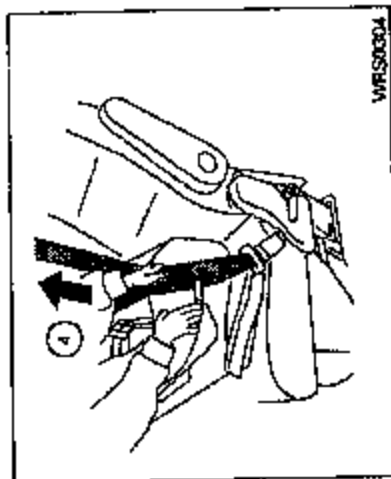


WRS0305

Rear Facing — step 5

5. Before placing the child in the child restraint, use force to tilt the child restraint from side to side, and tug it forward to make sure that it is securely held in place. It should not move more than 1 inch.

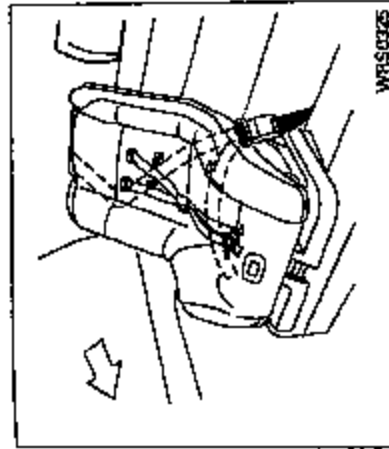
6. Check that the retractor is in the automatic locking mode by trying to pull more seat belt out of the retractor. If you cannot pull any more seat belt webbing out of the retractor, the retractor is in the automatic locking mode.



WRS0304

Rear Facing — step 4

4. Allow the seat belt to retract. Pull up on the shoulder belt to remove any slack in the belt.

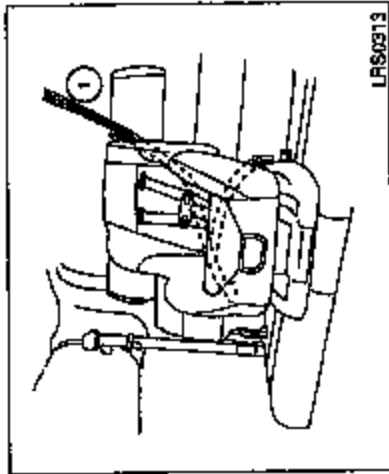


WRS0325
Front Facing (outboard) — step 1

Front facing

⚠ WARNING

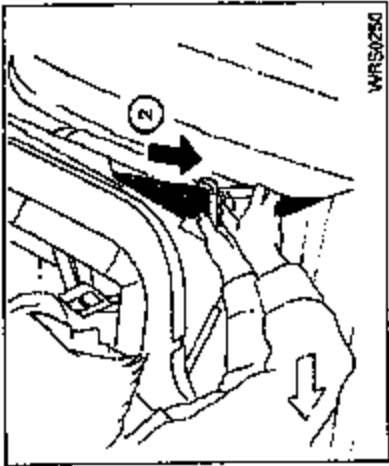
Front facing child restraints can be installed in all 3rd row bench seat positions. However, front facing child restraints that require the use of a top tether strap can be installed in the center 3rd row position only. Do not install a child restraint requiring a top tether strap in an outboard position and attempt to angle the tether to the 3rd row center anchor.



LRS0313
Front Facing (center) — step 1

When you install a child restraint on the 3rd row bench seat, follow these steps:

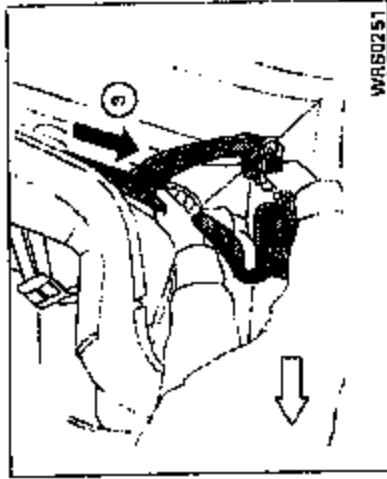
1. Position the child restraint on the seat. It can be placed in a front facing direction, depending on the size of the child. Remove the head restraint from the seat back. Store it in a secure place. Always follow the restraint manufacturer's instructions.



WRS0250
Front Facing — step 2

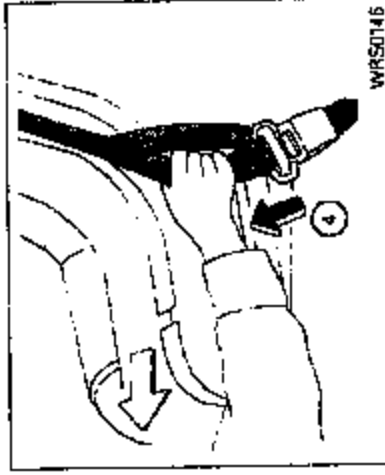
2. Route the seat belt tongue through the child restraint and insert it into the buckle until you hear and feel the latch engage.

Be sure to follow the child restraint manufacturer's instructions for belt routing.



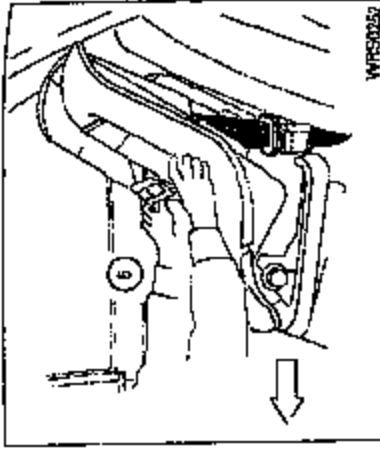
Front Facing — step 3

3. Pull on the shoulder belt until all of the belt is fully extended. At this time, the seat belt retractor is in the automatic locking mode (child restraint mode). It reverts back to emergency locking mode when the seat belt is fully retracted.



Front Facing — step 4

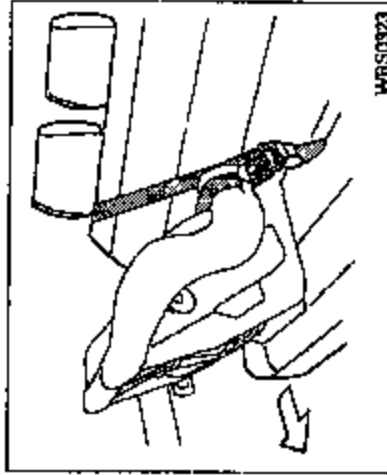
4. Allow the seat belt to retract. Pull up on the shoulder belt to remove any slack in the belt.



Front Facing — step 5

5. Before placing the child in the child restraint, use force to tilt the child restraint from side to side, and lug it forward to make sure that it is securely held in place. It should not move more than 1 inch.
6. Check that the retractor is in the automatic locking mode by trying to pull more seat belt out of the retractor. If you cannot pull any more belt webbing out of the retractor, the retractor is in the automatic locking mode.
7. Check to make sure that the child restraint is properly secured prior to each use. If the belt is not locked, repeat steps 3 through 6.

After the child restraint is removed and the seat belt is fully retracted, the automatic locking mode (child restraint mode) is cancelled.



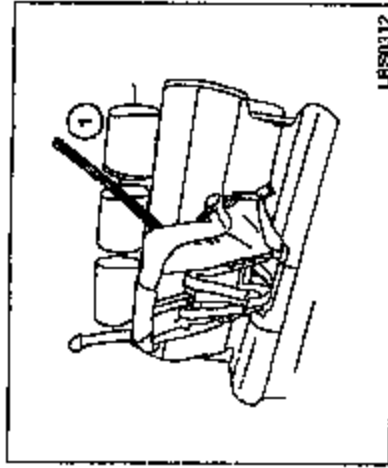
WRS0323

Rear Facing (outboard) — step 1

Rear facing

When you install a child restraint on the 3rd row bench seat, follow these steps:

1. Position the child restraint on the seat. The direction of the child restraint depends on the type of the child restraint and the size of the child. Always follow the restraint manufacturer's instructions.



LR80312

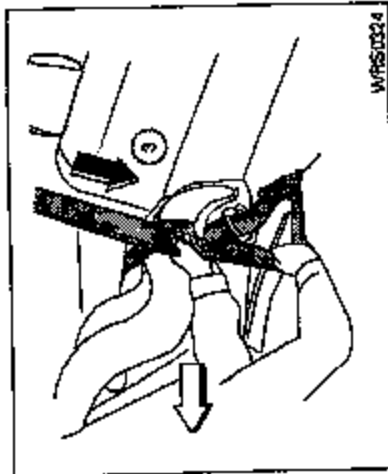
Rear Facing (center) — step 1



Rear Facing — step 2

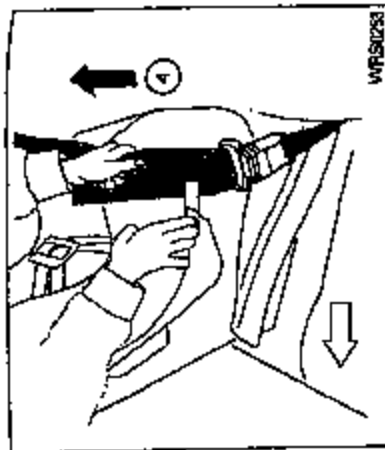
2. Route the seat belt tongue through the child restraint and insert it into the buckle until you hear and feel the latch engage.

Be sure to follow the child restraint manufacturer's instructions for belt routing.



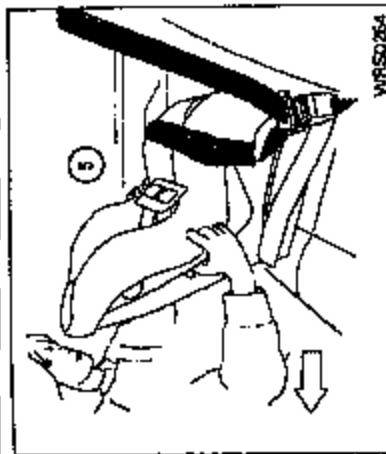
Rear Facing — step 3

3. Pull on the shoulder belt until all of the belt is fully extended. At this time, the seat belt retractor is in the automatic locking mode (child restraint mode). It reverts to emergency locking mode when the seat belt is fully retracted.



Rear Facing — step 4

4. Allow the seat belt to retract. Pull up on the shoulder belt to remove any slack in the belt.

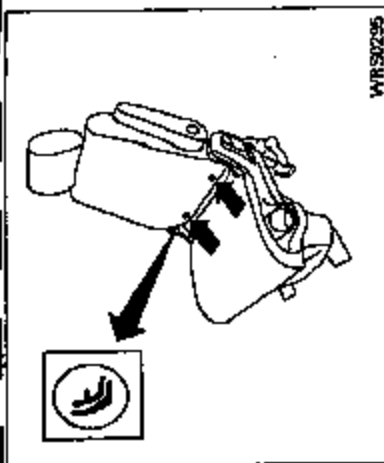


WR50264

Rear Facing — step 5

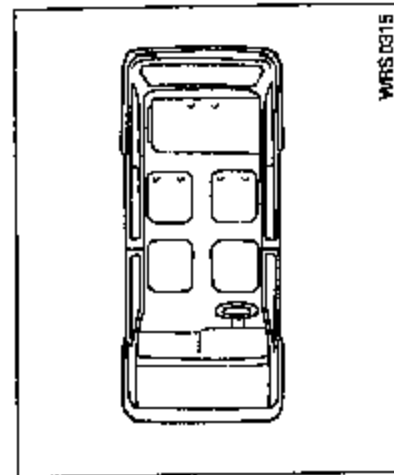
5. Before placing the child in the child restraint, use force to tilt the child restraint from side to side, and tug it forward to make sure that it is securely held in place. It should not move more than 1 inch.
6. Check that the retractor is in the automatic locking mode by trying to pull more seat belt out of the retractor. If you cannot pull any more seat belt webbing out of the retractor, the retractor is in the automatic locking mode.

7. Check to make sure that the child restraint is properly secured prior to each use. If the belt is not locked, repeat steps 3 through 6.
- After the child restraint is removed and the seat belt fully retracted, the automatic locking mode (child restraint mode) is canceled.



WR50295

LATCH anchor point label (2nd row shown) LATCH (Lower Anchors and Tethers for Children) SYSTEM



LATCH system anchor locations

⚠ WARNING

- Attach LATCH system compatible child restraints only at the locations shown. If a child restraint is not secured properly, your child could be seriously injured or killed in an accident.
- The LATCH system anchors are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstance are they to be used for adult seat belts or harnesses.

Some child restraints include two rigid or webbing-mounted attachments that can be connected to two anchors located at certain seating positions in your vehicle. This system is known as the LATCH (Lower Anchors and Tethers for Children) system. This system may also be referred to as the ISOFIX or ISOFIX compatible system. With this system, you do not have to use a vehicle seat belt to secure the child restraint. Your vehicle is equipped with special anchor points that are used with LATCH system compatible child restraints. Check your child restraint for a label stating that it is compatible with the LATCH system. This information may also be in the child restraint owner's manual. If you have such a child restraint, refer to the illustration for the seating positions equipped with LATCH system anchors which can be used to secure the child restraint. The LATCH system anchors are located at the rear of the seat cushion near the seatback. A label is attached to the seatback to help you locate the LATCH system anchors.

LATCH child restraints generally require the use of a top tether strap. See "Top tether strap child restraint" later in this section for installation instructions.

When installing a child restraint, carefully read and follow the instructions in this manual and those supplied with the child restraint.

When you install a LATCH system compatible child restraint to the lower anchor attachments, follow these steps:

⚠ WARNING

Inspect the lower anchors by inserting your fingers into the lower anchor area and feeling to make sure there are no obstructions over the LATCH system anchors, such as seat belt webbing or seat cushion material. The child restraint will not be secured properly if the LATCH system anchors are obstructed.

1. To install the LATCH system compatible child restraint, insert the child restraint LATCH system anchor attachments into the anchor points on the seat. If the child restraint is equipped with a top tether, see "Top tether strap child restraint" later in this section for installation instructions.
2. After attaching the child restraint and before placing the child in it, use force to tilt the child restraint from side to side and tug it forward to make sure that the child restraint is securely held in place. It should not move more than 1 inch.
3. Check to make sure that the child restraint is properly secured prior to each use.

TOP TETHER STRAP CHILD RESTRAINT

If your child restraint has a top tether strap, it must be secured to the anchor point provided behind its position.

⚠ WARNING

- Child restraint anchor points are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts or harnesses.
- After removing a rear seat head restraint for top tether installation, store it securely to prevent it from causing injury to passengers or damage to the vehicle in case of sudden braking or an accident. Always replace it and adjust properly when top tether is no longer in use.

First, secure the child restraint with the seat belt or the LATCH system (2nd row captain's chairs and the center position of the 3rd row bench seat only), as applicable.

For the front passenger seat in the 2 passenger cargo van only, adjust the head restraint to its highest position and route the top tether strap

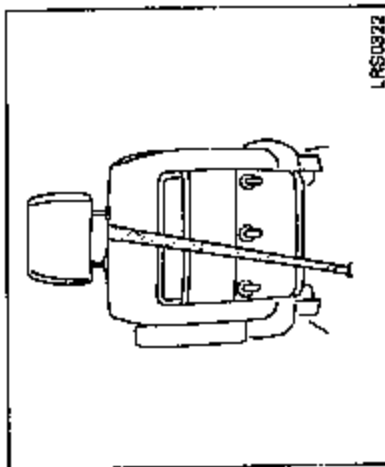
between the head restraint and the top of the seatback. Secure the tether strap to the tether anchor point on the floor directly behind the seat. Tighten the tether strap according to the manufacturer's instructions to remove any slack.

For the 2nd and 3rd row seats, remove the head restraint from the seatback. Store it in a secure place. Position the top tether strap over the top of the seatback and secure it to the tether anchor bracket as shown later in this section. Tighten the tether strap according to the manufacturer's instructions to remove any slack.

⚠ WARNING

A child restraint with a top tether strap can only be used in the 3rd row bench seat, center position. Do not place in an outboard seating position and attempt to angle the tether strap to the center position.

For best child restraint fit, see the child restraint installation instructions in this section and the child restraint manufacturer's instructions.



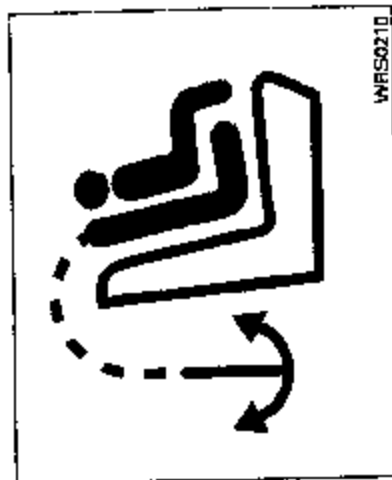
**Front passenger seat
(2 passenger cargo van only)**

Anchor point locations

Anchor points are located on the floor behind the front passenger seat (2 passenger cargo van only), on the back of the 2nd row captain's chairs and the back of the center seat position on the 3rd row bench seat as shown.

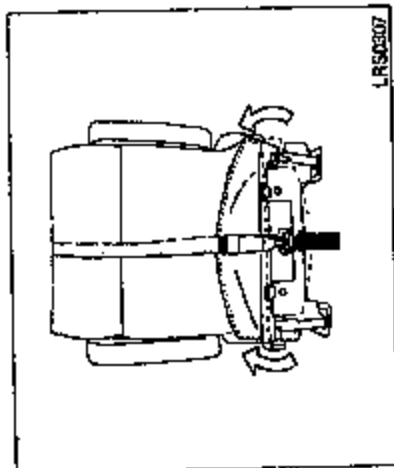
If you have any questions when installing a top strap child restraint on the rear seat, consult your NISSAN dealer for details.

The front passenger seat and 2nd row captain's chair anchor point locations are marked with the label shown.



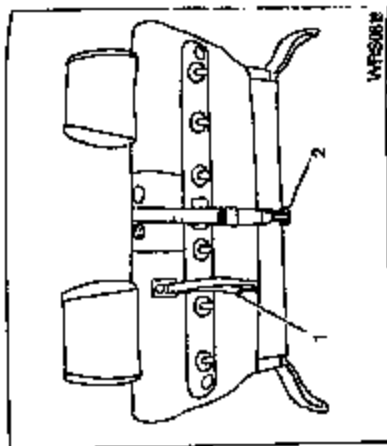
WRS0210

Label



LRS0307

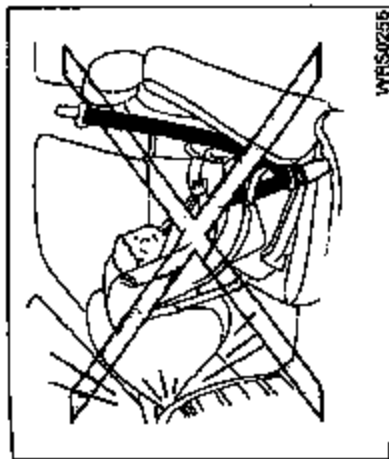
2nd row captain's chairs



WRS008E

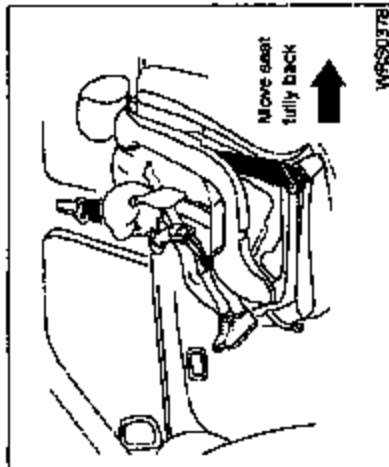
3rd row bench

1. Pull strap
2. Top tether anchor point



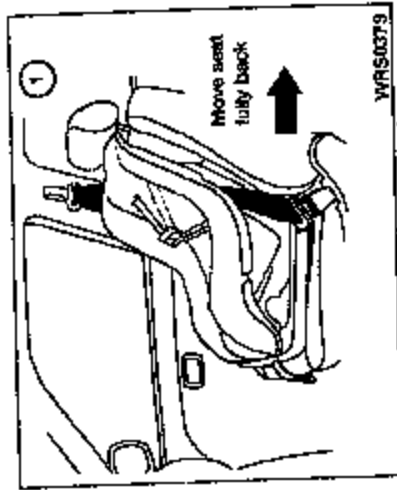
INSTALLATION ON FRONT PASSENGER SEAT

- ⚠ WARNING**
- Never install a rear-facing child restraint in the front passenger seat. Supplemental front air bags inflate with great force. A rear-facing child restraint could be struck by the supplemental front air bag in a crash and could seriously injure or kill your child.



- NISSAN recommends that child restraints be installed in the rear seat. However, if you must install a forward-facing child restraint in the front passenger seat, move the passenger seat to the rearmost position. Also, be sure the front passenger air bag status light is illuminated to indicate the passenger air bag is OFF. See "Front passenger air bag and status light" earlier in this section for details.

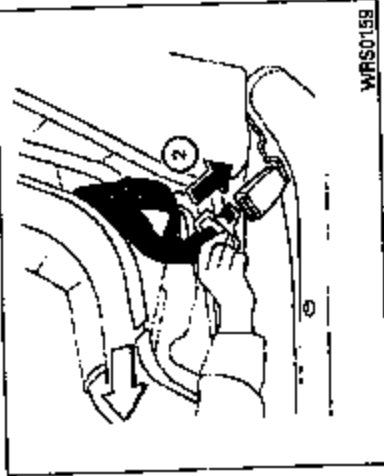
- A child restraint with a top tether strap should not be used in the front passenger seat unless the vehicle is the 2 passenger cargo van only.
- The three-point seat belt in your vehicle is equipped with an automatic locking mode retractor which must be used when installing a child restraint.
- Failure to use the retractor's locking mode will result in the child restraint not being properly secured. The restraint could tip over or otherwise be unsecured and cause injury to the child in a sudden stop or collision.



Front Facing — step 1

If you must install a child restraint in the front seat, follow these steps:

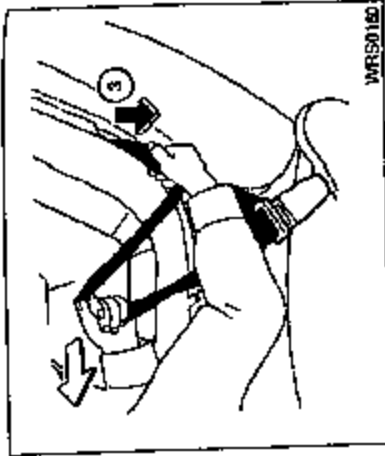
1. Position the child restraint on the front passenger seat. It should be placed in a front-facing direction only. Move the seat to the rearmost position. Adjust the head restraint to its highest position. Always follow the child restraint manufacturer's instructions. Child restraints for infants must be used in the rear-facing direction and therefore must not be used in the front seat.



Front Facing — step 2

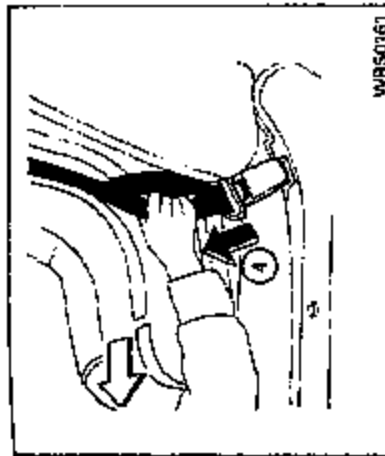
2. Route the seat belt tongue through the child restraint and insert it into the buckle until you hear and feel the latch engage.

Be sure to follow the child restraint manufacturer's instructions for belt routing.



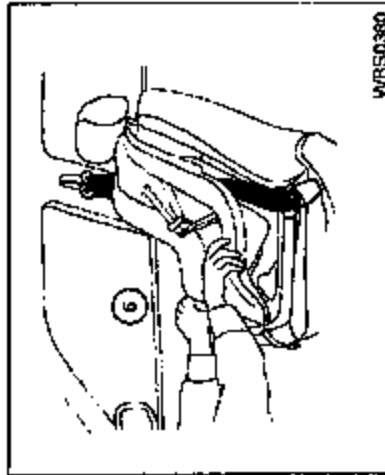
Front Facing — step 3

3. Pull on the shoulder belt until all of the belt is fully extended. At this time, the seat belt retractor is in the automatic locking mode (child restraint mode). It reverts to emergency locking mode when the seat belt is fully retracted.



Front Facing — step 4

4. Allow the seat belt to retract slightly. Pull up on the shoulder belt to remove any slack in the belt.



Front Facing — step 5

5. Before placing the child in the child restraint, use force to tilt the child restraint from side to side, and tug it forward to make sure that it is securely held in place. It should not move more than 1 inch.
6. Check that the retractor is in the automatic locking mode by trying to pull more seat belt out of the retractor. If you cannot pull any more belt webbing out of the retractor, the retractor is in the automatic locking mode.

7. Check to make sure the child restraint is properly secured prior to each use. If the seat belt is not locked, repeat steps 3 through 6.

8. Turn the ignition to the ON position. The passenger air bag status light should say "PASS AIR BAG OFF" or "X". If this light is not illuminated it may indicate a malfunction. Move the child restraint to another seating position. Have the system checked by a NISSAN dealer.

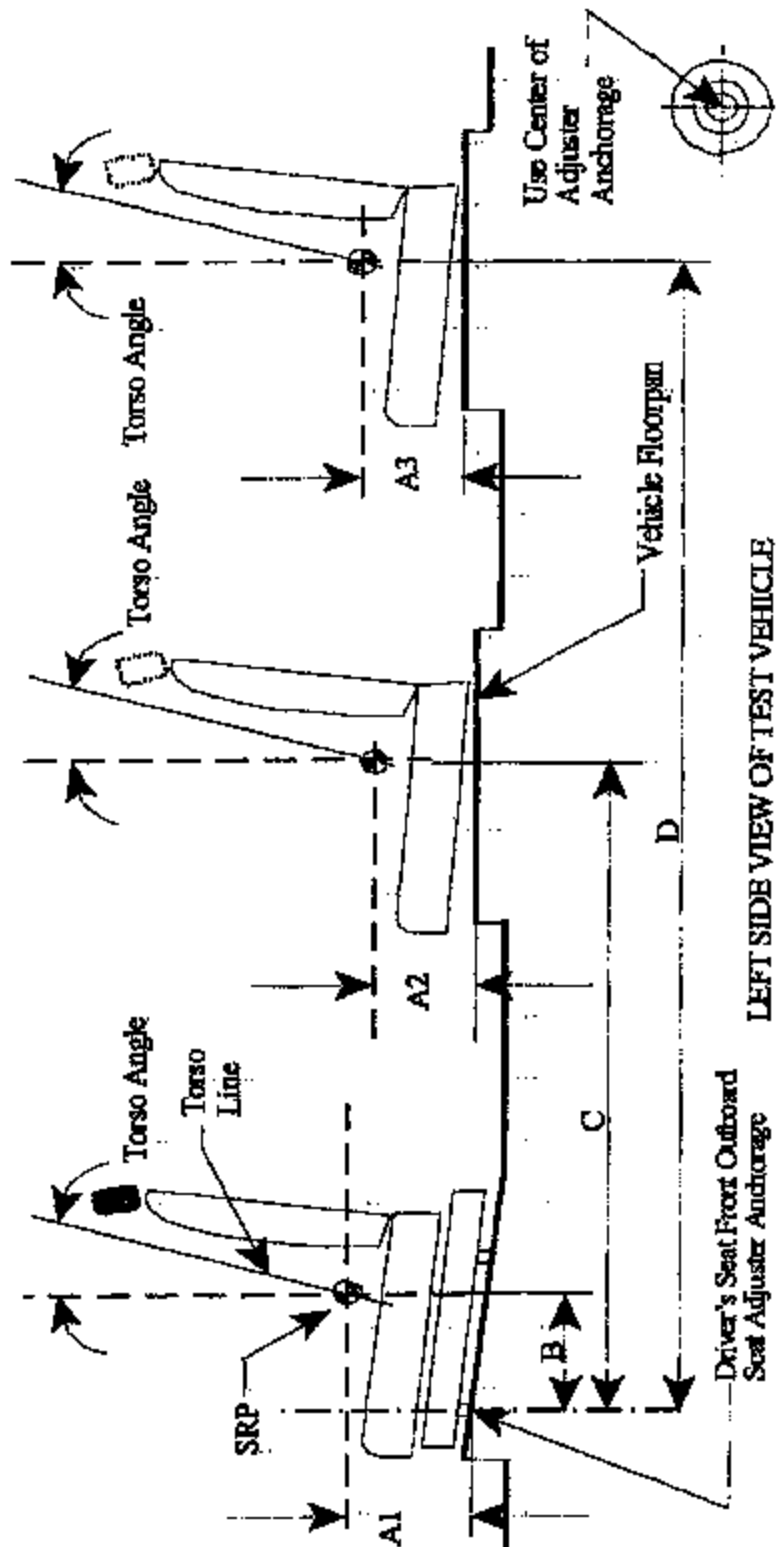
After the child restraint is removed and the seat belt is fully retracted, the automatic locking mode (child restraint mode) is cancelled.

APPENDIX B
MANUFACTURER'S DATA

SEAT REFERENCE POINT (SRP) AND TORSO ANGLE DATA FOR FMVSS 225

(All dimensions in mm¹)

Model Year: 2004; Make: Nissan; Model: J41D; Body Style: Minivan
Seat Style: Front row: Bucket; Second row: Bucket; Third row: Bench



LEFT SIDE VIEW OF TEST VEHICLE

Table 1. Seating Positions¹ and Torso Angles

	Left (Driver Side)	Center (if any)	Right
A1	339.2	N/A	339.2
A2 (RR O/B Mounting)	299.7	N/A	299.7
A3 (RR O/B Mounting)	283.7	283.7	283.7
B	341.0	N/A	341.0
C	1321.8	N/A	1321.8
D	2107.5	2107.5	2107.5
Torso Angle (degree)	Front Row	21	21
	Second Row	25	25
	Third Row	25	25

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

SEATING REFERENCE POINT
FOR FMVSS 225
(All dimensions in mm)

Model Year: 2004; Make: Nissan; Model: J41D; Body Style: Minivan
Seat Style: Front row: Bucket; Second row: Bucket; Third row: Bench

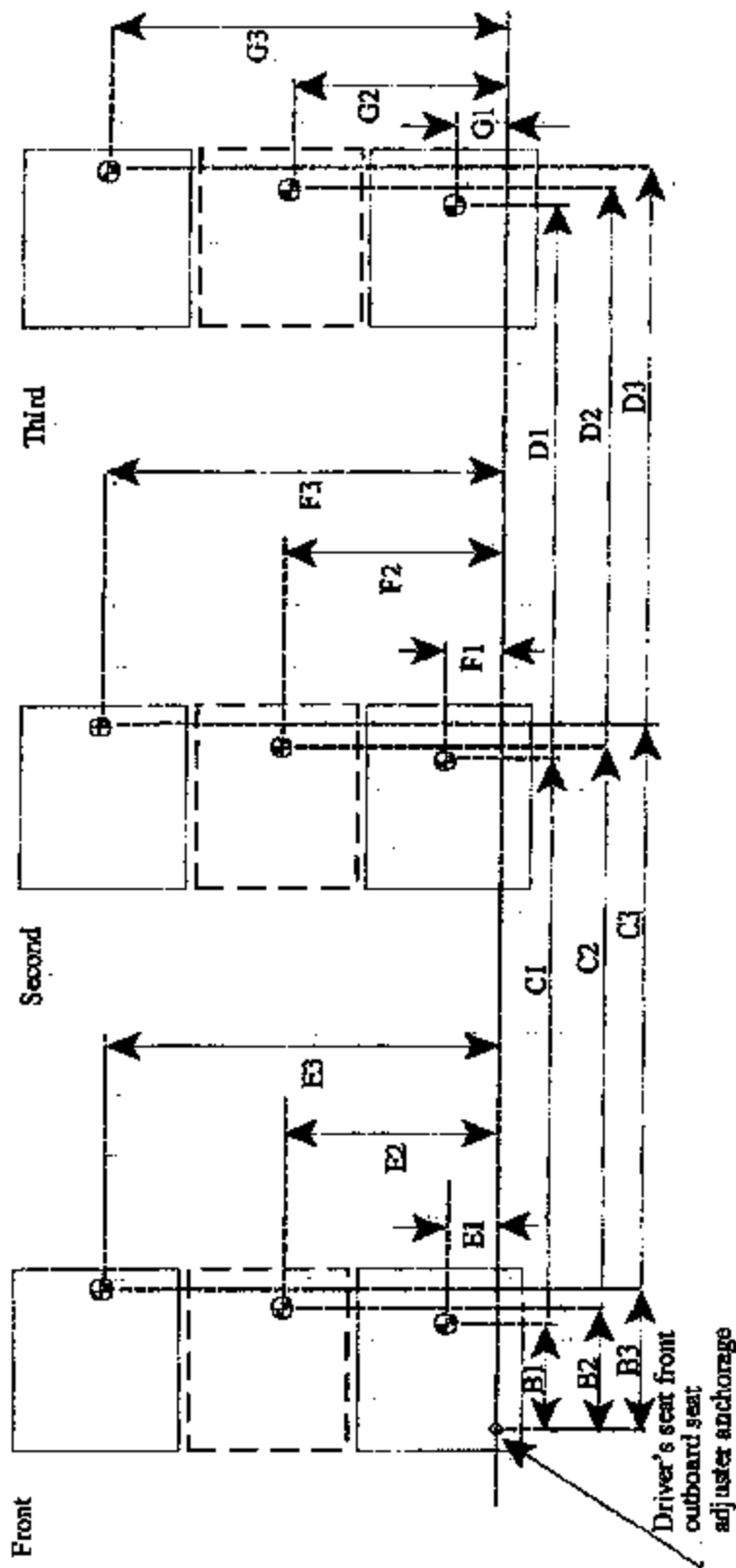


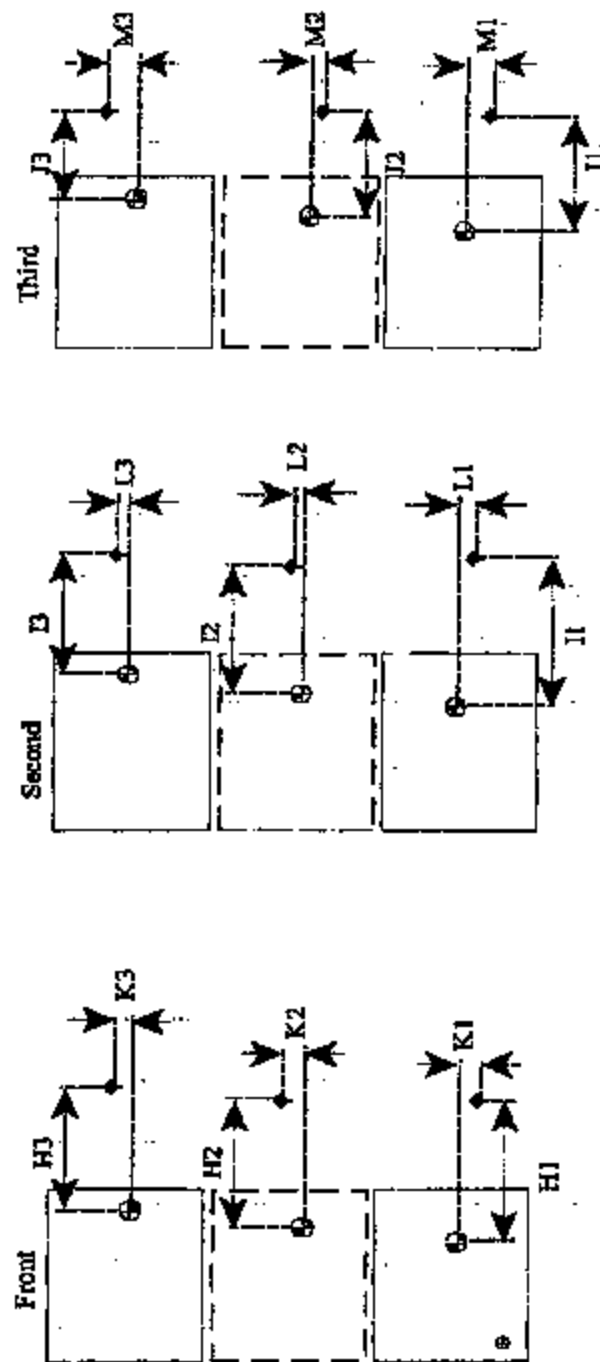
Table 2. Seating Reference Point

Seating Reference Point (SRP)		Distance from Driver's front outboard seat adjuster anchorage ¹
Front Row	B1	341.0
	B1	220.0
	B2	N/A
	E2	N/A
	B3	341.0
	B3	220.0
Second Row	C1	1321.8
	F1	220.0
	C2	N/A
	F2	N/A
	C3	1321.8
	F3	1060.0
Third Row	D1	2107.5
	G1	320.0
	D2	2107.5
	G2	640.0
	D3	2107.5
	G3	960.0

Note: 1. Use the center of anchorage.

TEETHER ANCHORAGE LOCATIONS
FOR FMVSS 225
(All dimensions in mm)

Model Year: 2004; Make: Nissan; Model: J41D; Body Style: Minivan
Seat Style: Front row: Bucket; Second row: Bucket; Third row: Bench



⊗: SRP

⊕: Teether anchorage

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

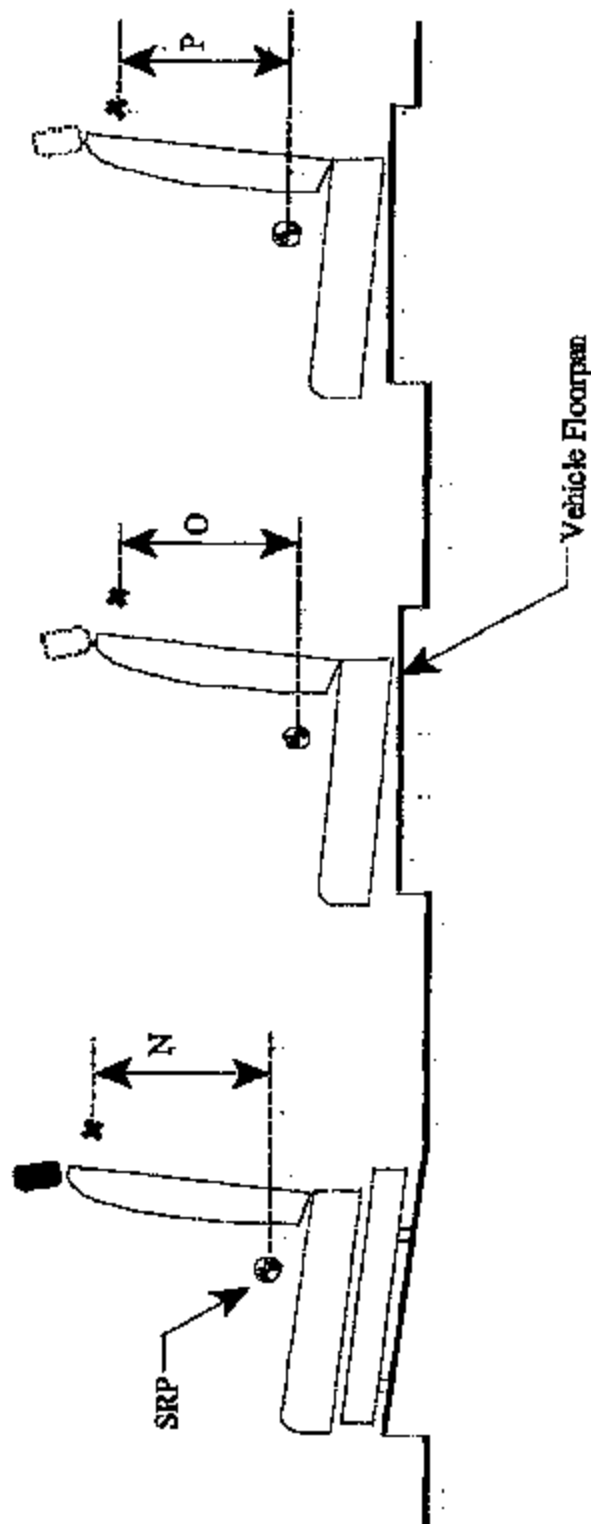
Table 3. Seating Reference Point and Tether Anchorage Locations

Seating Reference Point (SRP)	Distance from SRP	
Front Row	H1	N/A
	K1	N/A
	H2	N/A
	K2	N/A
	H3	366.7
	K3	160.0
Second Row	I1	174.6
	L1	9.9
	I2	N/A
	L2	N/A
	I3	174.6
	L3	9.9
Third Row	J1	N/A
	M1	N/A
	J2	182.0
	M2	0
	J3	N/A
	M3	N/A

Note: 1. Use the center of anchorage.

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

Model Year: 2004; Make: Nissan; Model: J41D; Body Style: Minivan
Seat Style: Front row: Bucket; Second row: Bucket; Third row: Bench



LEFT SIDE VIEW OF TEST VEHICLE

Table 4. Vertical Dimension For The Tether Anchorage

Seating Row	Vertical Distance from Seating Reference Point
Front Row	N1 (Driver) N/A
	N2 (Center) N/A
	N3 (Right) 390.8
Second Row	O1 (Left) 88.2
	O2 (Center) N/A
	O3 (Right) 88.2
Third Row	P1 (Left) N/A
	P2 (Center) 187.8
	P3 (Right) N/A

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

Test Procedures Used for Compliance Tests

Tether Anchorages

Seating Location	FMVSS Section(s) - Req.
Front	Driver
	Center (if any)
	Right (if any)
Second	Left
	Center
	Right (if any)
Third	Left
	Center
	Right
Fourth	Left
	Center
	Right

Lower Anchorages

Seating Location	FMVSS Section(s) - Req.
Front	Driver
	Center (if any)
	Right (if any)
Second	Left
	Center
	Right
Third	Left
	Center
	Right
Fourth	Left
	Center
	Right

For each anchorage system, provide the following information:

1. **Lower Anchorage Dimensions:** Whether the anchorages are certified with S15.1.2.1 of FMVSS No. 225.
No, certified with S9
2. **Lower Anchorage Location:** Whether the anchorages are certified with S15.1.2.2 of FMVSS No. 225. If the anchorages are certified with S15.1.2.2, provide the pitch; roll and yaw angles.
No., certified with S9
3. **Lower Anchorage Marking and Conspicuity:** Whether the anchorages are certified with S15.4 of FMVSS No. 225. If guidance fixtures are used, provide the location of the seating systems that are equipped with the guidance fixture.
No, certified with S9
4. **Location of Tether Anchorage:** Applicable section of FMVSS No. 225 for the option used for its certification.
S6.2.1
5. **Number of Tether Anchorage:** Applicable section of FMVSS No. 225 for the option used for its certification
S4.4