HS # 637929
1/3

REPORT NUMBER 110-GTL-05-004

SAFETY COMPLIANCE TESTING FOR FMVSS NO. 110 TIRE SELECTION AND RIMS

DAIMLERCHRYSLER CORPORATION
2005 CHRYSLER 300, 4-DOOR PASSENGER CAR
NHTSA NO. C50306

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

JULY 5, 2005

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-220)
WASHINGTON, D.C. 20590

Prepared By: Debbie Mesich

Approved By: [signature]

Approval Date: 7/5/05

FINAL REPORT ACCEPTANCE BY OVSC:

Accepted By: [signature]

Acceptance Date: 7/15/05

Technical Report Documentation Page

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7. Author(s) Grant Farrand, Project Engineer Debbie Messick, Project Manager		8. Performing Organ. Rep# GTL-DOT-05-110-004
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. DTNH22-01-C-11025
12. Sponsoring Agency Name and Address U.S. Department of Transportation National Highway Traffic Safety Admin. Enforcement Office of Vehicle Safety Compliance (NVS-220) 400 7th Street, S.W., Room 6115 Washington, DC 20590		13. Type of Report and Period Covered Final Test Report May 25-May 31, 2005 14. Sponsoring Agency Code NVS-220
15. Supplementary Notes		
16. Abstract Compliance tests were conducted on the subject 2005 Chrysler 300 passenger car in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-110-02 for the determination of FMVSS 110 compliance. Test failures identified were as follows: NONE		
17. Key Words Compliance Testing Safety Engineering FMVSS 110	18. Distribution Statement Copies of this report are available from NHTSA Technical Information Services (TIS) Room 2336 (NPO-405) 400 7th St., S.W. Washington, DC 20590 Telephone No. (202) 366-4947	
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SECTION 1

INTRODUCTION

1.0 PURPOSE OF COMPLIANCE TEST

A 2005 Chrysler 300 4-door passenger car was subjected to FMVSS No. 110 testing to determine if the vehicle was in compliance with the requirements of the standard. All tests were conducted in accordance with NHTSA, Office of Vehicle Safety Compliance (OVSC) Laboratory Procedure, TP-110-02 dated 14 December 1989 and General Testing Laboratories, Inc (GTL) Test Procedure, TP-110-02 dated 22 May 2002.

1.1 TEST VEHICLE

The test vehicle was a 2005 Chrysler 300 4-door passenger car. Nomenclature applicable to the test vehicle are:

A. Vehicle Identification Number: 2C3JA43R65H556582

B. NHTSA No.: C50306

C. Manufacturer: DAIMLERCHRYSLER CORPORATION

D. Manufacture Date: 08/04

1.2 TEST DATE

The test vehicle was subjected to FMVSS No. 110 testing during the time period May 25 through May 31, 2005.

SECTION 2

TEST PROCEDURE AND SUMMARY OF RESULTS

2.0 GENERAL

The 2005 Chrysler 300 4-door passenger car, NHTSA No. C50306, was subjected to FMVSS No. 110 testing during the time period May 25 through May 31, 2005.

2.1 TEST PROCEDURE

Prior to test, the test vehicle was inspected for completeness, systems operability and appropriate fuel and liquid levels, i.e., oil and coolant. The vehicle was then photographically documented as required by the DOT/NHTSA and GTL test procedures. Subsequent events included weighing the vehicle to establish delivered curb weight and the distribution of weight on the front and rear axles and each wheel position. The vehicle normal load as well as the maximum load on each wheel were measured. Data from each tire furnished with the vehicle were recorded. The vehicle tire placard was surveyed and photographed. Required dimensional data and other identifying data for the left front and right rear rims were obtained. The contour of the aforementioned rims was documented photographically.

In preparation for the deflated tire retention test, test instrumentation was installed in the vehicle. With the driver aboard, the vehicle was ballasted to equal the "vehicle maximum load on the tire" on the front and rear axle, as previously established. The tire pressure of all tires was adjusted to placard specifications for cold tire inflation at maximum loaded vehicle weight. The deflated tire retention test was then conducted on the left front tire followed by the right rear tire. The tests were conducted with the vehicle travelling in a straight line at 96.6 kph (60 mph). The respective tire was blown by an explosive charge on the tire's sidewall. Test data collected during the test included vehicle speed, deceleration, stopping distance, distance of uncontrolled deviation from a straight line and tire pressure. After the vehicle was stopped, any tire bead separation from the rim flange was documented photographically.

2.2 SUMMARY OF RESULTS

The test vehicle appears to be in compliance with the requirements of FMVSS No. 110.

SECTION 3

TEST DATA

DATA SHEET 1
SUMMARY

VEHICLE MAKE/MODEL/BODY STYLE: 2005 CHRYSLER 300 PASSENGER CAR
VEHICLE NHTSA NO.: C50306 ; VIN: 2C3JA43R65H556582
LABORATORY: GENERAL TESTING LABORATORIES
TEST DATE: 05/25/05

REQUIREMENT	PASS/FAIL
TIRE LOAD LIMITS AND PLACARD	
The vehicle is equipped with tires that meet the requirements of FMVSS 109. (FMVSS 110, S4.1)	PASS
The vehicle maximum load on the tire shall not be greater than the applicable maximum load rating as marked on the sidewall of the tire. (FMVSS 110, S4.2.1)	PASS
The vehicle normal load on the tire shall not be greater than the high speed performance test load specified in FMVSS 109 paragraph S5.5. (FMVSS 110, S4.2.2)	PASS
The placard must be permanently affixed to the glove compartment door or equally accessible location; and display the required information. (FMVSS 110, S4.3)	PASS
No inflation pressure other than the maximum permissible inflation pressure is specified unless as required. (FMVSS 110, S4.3.1)	PASS
RIM DIMENSIONS	
Each rim shall be constructed to the dimensions of a rim or alternate specified for the tire size. (FMVSS No. 110, S4.4.1 (a))	PASS
DEFLATED TIRE RETENTION	
Each rim shall retain the deflated tire until the vehicle can be stopped. (FMVSS 110, S4.4.1(b))	PASS

Statement of indication of compliance or noncompliance to FMVSS 110 and data reference:
THE CHRYSLER 300 APPEARS TO COMPLY WITH THE REQUIREMENTS OF FMVSS 110.

REMARKS:

RECORDED BY: _____ DATE: 05/31/05
APPROVED BY: D. Missick

DATA SHEET 2
TEST VEHICLE INFORMATION/RECEIVING INSPECTION

LABORATORY: GENERAL TESTING LABORATORIES DATE: 05/25/05

VEHICLE MODEL YEAR/MAKE/MODEL/BODY STYLE: 2005 CHRYSLER 300

MANUFACTURE DATE: 08/04 NHTSA NO.: C50306 BODY COLOR: GREY/SILVER

VIN: 2C3JA43R65H556582 VEHICLE TYPE: PASSENGER CAR

GVWR 2225 kg (4905 lbs) GAWR(Fr) 1275 kg (2810 lbs) GAWR(Rr) 1275 kg (2810 lbs)

BELTED SEATING POSITIONS: FRONT 2 MID N/A REAR 3 OTHER N/A

ENGINE DATA: 6 Cylinders 2.7 Liters ____ Cubic Inches

TRANSMISSION DATA: X Automatic ____ Manual 4 No. of Speeds

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

INSTALLED TIRE DATA: Size - P215/65R17 Mfr. - GOODYEAR

CHECK APPROPRIATE BOXES FOR VEHICLE EQUIPMENT/MAKE SURE ALL OPTIONS ON WINDOW STICKER ARE LISTED:

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

REMARKS:

RECORDED BY: _____ DATE: 05/25/05

APPROVED BY: _____

DATA SHEET 3
CURB WEIGHT WITH OPTIONS, NORMAL LOAD, VEHICLE MAXIMUM LOAD

VEHICLE MAKE/MODEL/BODY STYLE: 2005 CHRYSLER 300 PASSENGER CAR
VEHICLE NHTSA NO.: C50306 ; VIN: 2C3JA43R65H556562
LABORATORY: GENERAL TESTING LABORATORIES
TEST DATE: 05/25/05

Full Fluid Levels:
Fuel Full ; Coolant Full ; Other Fluids Full

Tire Pressure: LF 210 KPA (30 psi) LR 210 KPA (30 psi)
RF 210 KPA (30 psi) RR 210 KPA (30 psi)

A. MEASURED CURB WEIGHT WITH INSTALLED OPTIONS AND ACCESSORIES

LF 453 KG (999 LB) LR 381 KG (841 LB)
RF 440 KG (970 LB) RR 411 KG (905 LB)

Front Axle 893 KG (1969 LB) Rear Axle 792 KG (1746 LB)

Total Vehicle 1685 KG (3715 LB)

B. VEHICLE NORMAL LOAD ON THE TIRE

(1) Seating Capacity (from Tire Information Placard) = 5

(2) Normal Load # of Occupants from FMVSS 110, Table I 3

Occupant Distribution: Front Seat- 2 Second Seat- 1
Third Seat - N/A Fourth Seat- N/A

(3) Total Normal Occupant Load 204 KG (450 LB)
(# of occupants x 68 KG per occupant)

(4) Measured Normal Load on Axles

LF 508 KG (1120 LB) LR 443 KG (976 LB)
RF 476 KG (1050 LB) RR 462 KG (1019 LB)

Frt Axle 984 KG (2170 LB) Rr Axle 905 KG (1995 LB)

Total Vehicle 1889 KG (4165 LB)

DATA SHEET 3 – CONTINUED

(5) Calculated Vehicle Normal Load on the Tire
Front Tires (measured front axle normal load/2) = 492 KG (1085 LB)
Rear Tires (measured rear axle normal load/2) = 453 KG (998 LB)

(6) High Speed Test Load from FMVSS 109 (S5.5)

	Front	Rear
Installed Tire Size	P215/65R17	P215/65R17
Max. Load Rating on Sidewall	750 KG(1653 LBS)	750 KG(1653 LBS)
High Speed Test Load (88% of sidewall max. load rating)	660 KG(1455 LBS)	660 KG(1455 LBS)
Optional Tire Size(s)	NONE	NONE
Max. Load Rating on Sidewall (Obtain from approved reference manual)	N/A	N/A
High Speed Test Load (88% of sidewall max. load rating)	N/A	N/A

Vehicle Normal Load on the Tire is not greater than the High Speed Test Load

		PASS/FAIL
Installed Tires; [(5) < (6)]	Front Tires	PASS
	Rear Tires	PASS
Optional Tires; [(5) < (6)]	Front Tires	N/A
	Rear Tires	N/A

C. MEASURED VEHICLE WITH FULL OCCUPANT LOAD

LF 529 KG (1166 LB) LR 496 KG (1093 LB)
RF 489 KG (1079 LB) RR 511 KG (1127 LB)

Front Axle 1018 KG (2245 LB) Rear Axle 1007 KG (2220 LB)

Total Vehicle 2025 KG (4465 LB)

DATA SHEET 3 – CONTINUED

D. VEHICLE MAXIMUM LOAD ON THE TIRE

(1) Vehicle Capacity Weight (from Placard) 392 KG (865 LB)

(2) Seating Capacity(from Placard) 5

(3) Total Occupant Load (seating capacity x 68 KG) 340 KG (750 LB)

(4) Luggage/Cargo Load (Subtract (3) from (1)) 52 KG (115 LB)

(5) Measured Maximum Load on Axles

LF	527 KG (1162 LB)	LR	522 KG (1150 LB)
RF	489 KG (1078 LB)	RR	540 KG (1190 LB)
Frt Axle	1016 KG (2240 LB)	Rr Axle	1061 KG (2340 LB)

Total Vehicle 2077 KG (4580 LB)

(6) Calculated Vehicle Maximum Load on the Tire
Front Tires (measured front axle max. load/2)= 508 KG (1120 LB)
Rear Tires (measured rear axle max. load/2)= 531 KG (1170 LB)

(7) Maximum Load Rating on Tire Sidewall (obtain data from B.(6))

	Front	Rear
Installed Tire Size	P215/65R17	P215/65R17
Max. Load Rating on Sidewall	750 KG (1653 LBS)	750 KG (1653 LBS)
Optional Tire Size(s)	N/A	N/A
Max Load Rating on Sidewall (obtain from approved reference manual)	N/A	N/A

Vehicle Maximum Load on the Tire is not greater than the Maximum Load Rating Marked on the Tire Sidewall

		PASS/FAIL
Installed Tires; [(6) < (7)]	Front Tires	PASS
	Rear Tires	PASS
Optional Tires; [(6) < (7)]	Front Tires	N/A
	Rear Tires	N/A

DATA SHEET 3 – CONTINUED

E. VEHICLE LOAD ON THE TIRE FOR OTHER DISPLAYED LOAD AND TIRE INFLATION PRESSURE CONDITIONS

(1) Condition Description (Load, Tire Size, Inflation Pressure)
Vehicle at maximum load of 2077 kg (4580 lbs) with P215/65R17 tire at 210 kPa (30 psi) on tire label.

(2) Condition Load on Tire/Axle – Maximum Load

LF	527 KG (1162 LB)	LR	522 KG (1150 LB)
RF	489 KG (1078 LB)	RR	540 KG (1190 LB)
Frt Axle	1016 KG (2240 LB)	Rr Axle	1061 KG (2340 LB)

Total Vehicle 2077 KG (4580 LB)

(3) Load Rating of Tire at Recommended Inflation Pressure

	Front	Rear
Displayed Tire Size	P215/65R17	P215/65R17
Recommended Inflation Pressure	210 kPa (30 psi)	210 kPa (30 psi)
Tire Load Rating (obtained from 2005 Tire and Rim Association Yearbook)	697 KG (1536 LBS)	697 KG (1536 LBS)

Vehicle Load on the Tire is not greater than the Tire Load Rating at the Tire Recommended Inflation Pressure

	PASS/FAIL
Front Tires [(2) < (3)]	PASS
Rear Tires [(2) < (3)]	PASS

NOTE: Section E should be repeated for every different load/tire inflation pressure condition displayed.

REMARKS:

RECORDED BY: _____ DATE: 05/25/05

APPROVED BY: _____

DATA SHEET 4
TIRE INFORMATION LABEL OR PLACARD

VEHICLE MAKE/MODEL/BODY STYLE: 2005 CHRYSLER 300 PASSENGER CAR
VEHICLE NHTSA NO.: C50306 ; VIN: 2C3JA43R65H556582
LABORATORY: GENERAL TESTING LABORATORIES
TEST DATE: 05/24/05

PASS/FAIL

A. Description of Placard: Self Adhesive decal - Red, Black Yellow and White — Pass

B. Description of Placard Location: Driver's "B" pillar — Pass

Permanently Affixed (X) YES ( ) NO

C. Enter Information from Placard:

Vehicle Capacity Weight - 392 KG (865 LBS)

Designated Seating Capacity (DSC) - 5 — Pass

Expressed In—
(1) Total No. of Occupants (X) Yes ( ) No
(2) Terms of Occupants for Each Seat Location (X) YES ( ) NO — Pass

Manufacturer's Recommended Cold Tire Inflation Pressure for Maximum Load Vehicle Weight:

FRONT - 210 kPa (30 psi) REAR - 210 kPa (30 psi)

All Other Recommended Inflation Pressures:
None

All Other Recommended Loading Conditions:
None

Manufacturer's Recommended Size Designation:
P215/65R17

All Other Manufacturer's Recommended Size Designation:
NONE

DATA CORRECTLY DISPLAYED — Pass

DATA SHEET 4 continued

PASS/FAIL

D. For Every Inflation Pressure Listed Above Indicate:

(1)	Less than Maximum?	(YES/NO)	Yes	Pass
(2)	Loading Condition Stated?	(YES/NO)	Yes	Pass

DATA INDICATES COMPLIANCE (X) YES ( ) NO

REMARKS:

RECORDED BY: _____ DATE: 05/25/05

APPROVED BY: D. Mensich

DATA SHEET 5
VEHICLE TIRE DATA

VEHICLE MAKE/MODEL/BODY STYLE: 2005 CHRYSLER 300 PASSENGER CAR
VEHICLE NHTSA NO.: C50306 ; VIN: 2C3JA43R65H556582
LABORATORY: GENERAL TESTING LABORATORIES
TEST DATE: 05/25/05

All tires on the vehicle are the same size: (Yes/No) Yes

INFORMATION FROM TIRE SIDEWALL:

	Front Axle (R.F. Tire)	Rear Axle (L.R. Tire)	Spare
Tire Size Designation	P215/65R17	P215/65R17	T135/90D17
Tire Load Index/Speed Symbol	98T	98T	104M
Maximum Inflation Pressure	300 kPa (44 psi)	300 kPa (44 psi)	420 kPa(60psi)
Maximum Load Rating	750 KG (1653 LBS)	750 KG(1653 LBS)	900KG(1984 LB)
Mfr. Name or Brand & Code	GOODYEAR	GOODYEAR	GOODYEAR
Tube or Tubeless	Tubeless	Tubeless	Tubeless
Treadwear/Traction/Temp. Grades	460-A-B	460-A-B	N/A
Sidewall (Plies & Composition)	1 polyester	1 polyester	3 nylon
Tread (Plies & Composition)	1 polyester 2 steel	1 polyester 2 steel	3 nylon

Serial Number:
Left Front - DOT MDA6 C9ER 3204
Right Front - DOT MDA6 C9ER 3204
Left Rear - DOT MDA6 C9ER 3204
Right Rear - DOT MDA6 C9ER 3204
Spare - DOT PC89 DBOP 3204

Tires have "DOT" markings: (X) YES ( ) NO

REMARKS:

RECORDED BY: _____ DATE: 05/25/05

APPROVED BY: _____

DATA SHEET 6
RIM DIMENSIONS

VEHICLE MAKE/MODEL/BODY STYLE: 2005 CHRYSLER 300 PASSENGER CAR
VEHICLE NHTSA NO.: C50306 ;VIN: 2C3JA43R65H556582
LABORATORY: GENERAL TESTING LABORATORIES
TEST DATE: 05/25/05

A. Rim Size & Flange

	Tire Size	Specfd. Rims	Measured Width of Rims	Measured Height of Rims	PASS/ FAIL
Right Front:	P215/65R17	6.0 to 7.5J	7.0"	17"	Pass
Left Rear:	P215/65R17	6.0 to 7.5J	7.0"	17"	Pass

REFERENCE USED: 2005 Tire and Rim Association Yearbook

B. Trade Stamps, Marks, Symbols: CHRYSLER EMBLEM, T-DOT, 17x7J

Rim Manufacturer's Name or Label: FUMAGALLI

Other Rim/Wheel Marking: 04782466AB, F1, 06 26 04

Rim Inspection Comments: None

Tire Inspection Comments: None

Wheel/Rim Construction (I.e., welded, one piece, cast, deep dish, etc.)
Two piece welded steel

DATA INDICATES COMPLIANCE: (X) YES ( ) NO

REMARKS:

RECORDED BY: _____ DATE: 05/25/05

APPROVED BY: _____

DATA SHEET 7
DEFLATED TIRE RETENTION

VEHICLE MAKE/MODEL/BODY STYLE: 2005 CHRYSLER 300 PASSENGER CAR
VEHICLE NHTSA NO.: C50306 ;VIN: 2C3JA43R65H556582
LABORATORY: GENERAL TESTING LABORATORIES
TEST DATE: 05/26/05

Tire Pressures:	LF	210 kPa (30 psi)	LR	210 kPa (30 psi)
(cold)	RF	210 kPa (30 psi)	RR	210 kPa (30 psi)

Test Weight (should be the same weight and distribution recorded on Data Sheet 3 Section D.5.

LF	527 kg (1162 lb)	LR	519 kg (1144 lb)
RF	490 kg (1080 lb)	RR	539 kg (1188 lb)
Front Axle	1017 kg (2242 lb)	Rear Axle	1058 kg (2332 lb)

TOTAL VEHICLE 2075 kg (4574 lb)

Description of Weight Distribution: Salt bags in front passenger seat, rear seat and trunk.

A. Retention Test Left Front:

Odometer (START): 251 km (156 miles) Fuel Level: Full

Tire Pressure: 210 kPa (30 psi)

Ambient Temperature: 26.6 degrees C (80 F)

Wind Speed: 8.0 kmph (5.0 mph)

Size of Deflation Opening: 2.5 cm (1.0 in.) in diameter

Speed: 96.1 kmph (59.7 mph)

Deceleration Rate: 1.52 – 2.13 mpsps avg. (5-7 fpsps)

Distance Traveled After Initial Release of Air: 240 m (786 ft)

Distance of Deviation: < .3 m (<1 ft)

Description of Bead Separation, Outboard: None

Description of Bead Separation, Inboard: None

DATA SHEET 7 continued
DEFLATED TIRE RETENTION

B. Retention Test Right Rear:

Odometer (START): 256 km (159 miles) Fuel Level: Full

Tire Pressure: 210 kPa (30 psi)

Ambient Temperature: 26.6 degrees C (80 F)

Wind Speed: 8.0 kmph (5 mph)

Size of Deflation Opening: 2.5 cm (1.0 in.) in diameter

Speed: 96.7 kmph (60.1 mph)

Deceleration Rate: 1.52 - 2.13 mpsps avg. (5-7 fpsps)

Distance Traveled After Initial Release of Air: 200 m (655 ft)

Distance of Deviation: <.3 m (<1 ft)

Description of Bead Separation, Outboard: None

Description of Bead Separation, Inboard: None
NOTE: No rotation of tire on rim

C. REMARKS: (Stability, Control, Suspension, etc.)
Good control, normal stopping

	PASS/FAIL
Left Front	Pass
Right Rear	Pass

DATA INDICATES COMPLIANCE: (X) YES ( ) NO

REMARKS:

RECORDED BY: [signature] DATE: 05/31/05

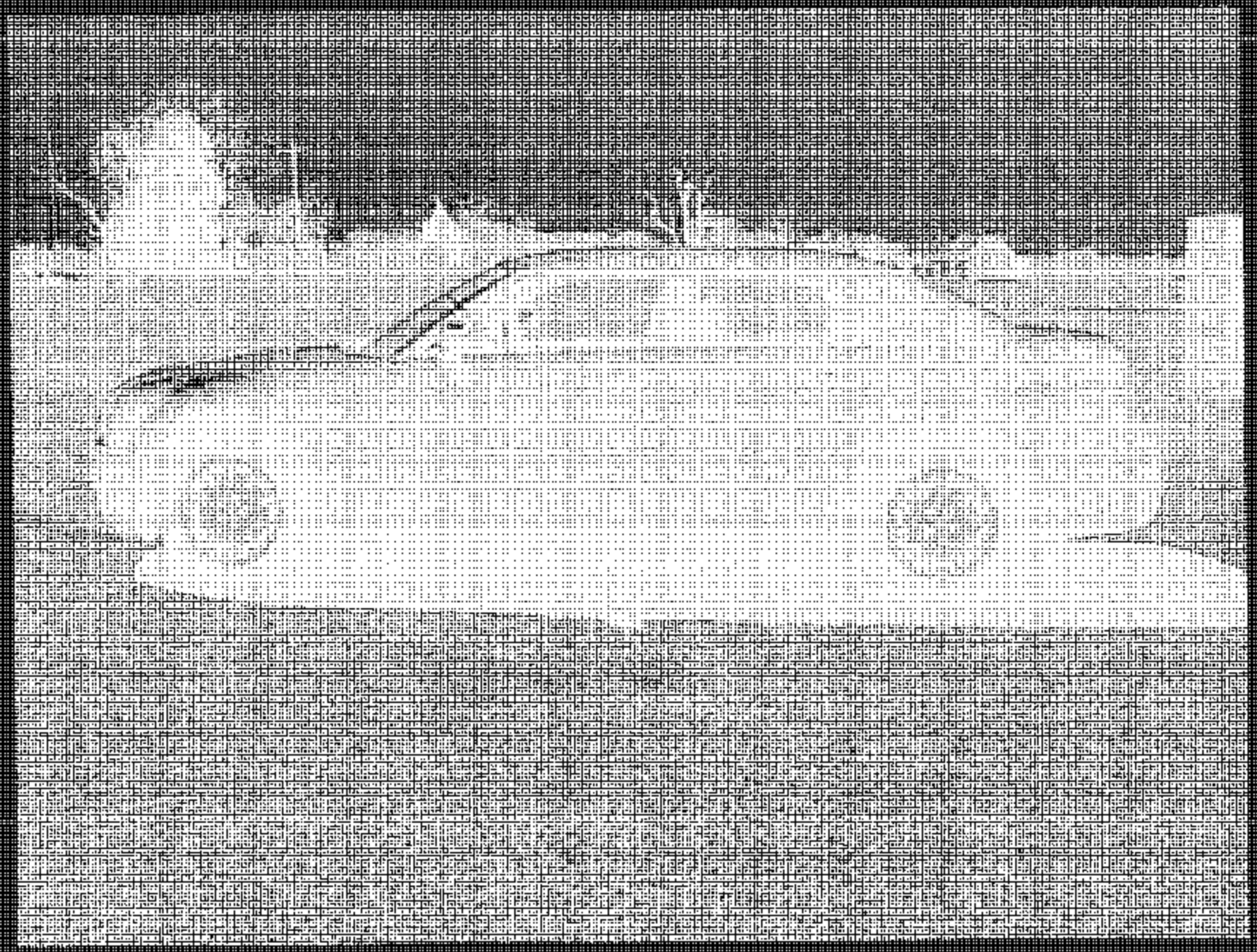
APPROVED BY: D. Mesich

SECTION 4
INSTRUMENTATION AND EQUIPMENT LIST

TABLE 1 - INSTRUMENTATION & EQUIPMENT LIST

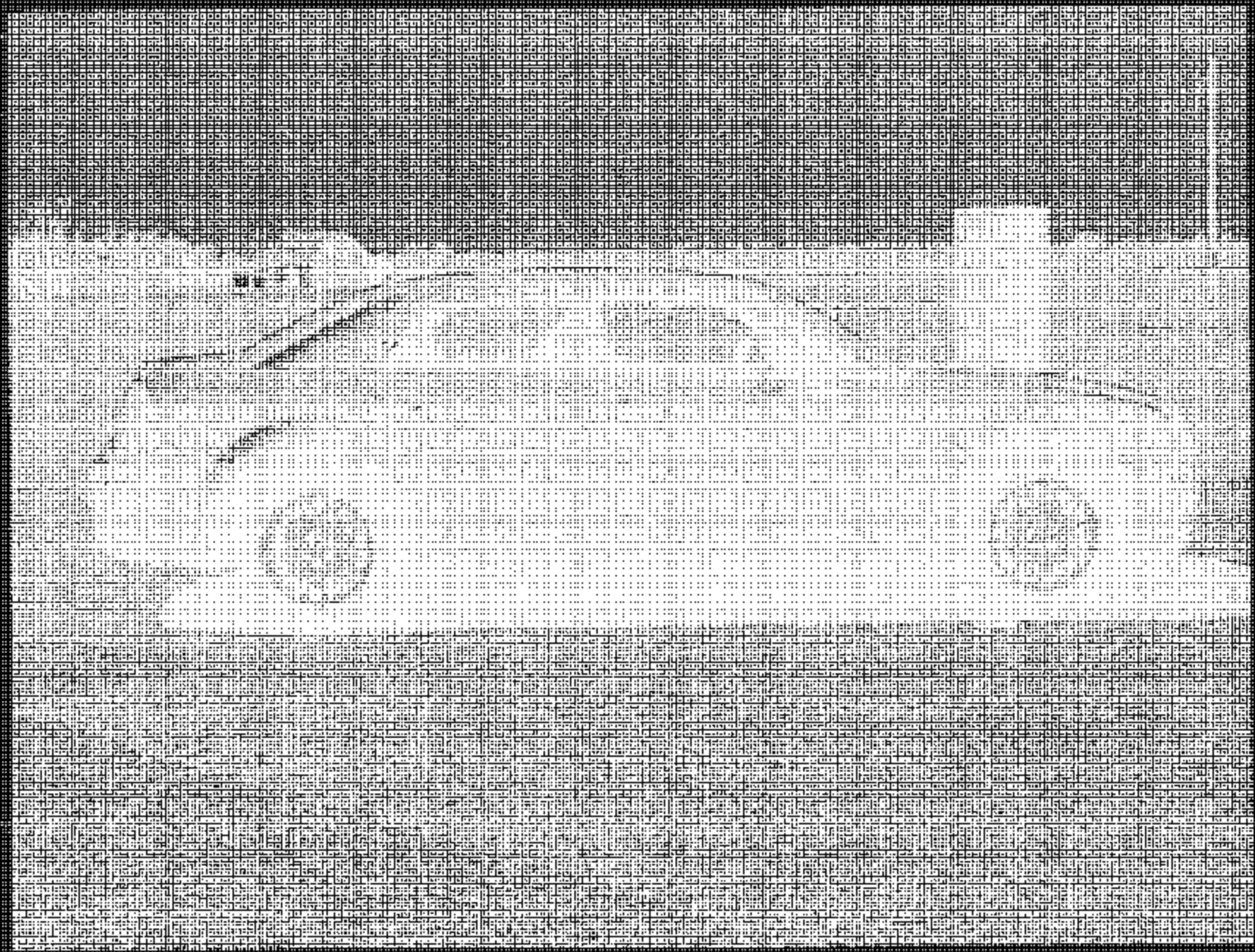
EQUIPMENT	DESCRIPTION	MODEL/ SERIAL NO.	CAL. DATE	NEXT CAL. DATE
PAD SCALES	#1 199744LF #2 199744RF #3 199744LR #4 199744RR	199744LF 199744RF 199744LR 19974RR	07/04 07/04 07/04 07/04	07/05 07/05 07/05 07/05
PRESSURE TRANSDUCER	BLH	D-HF #65409	BEFORE USE	BEFORE USE
SURFACE LEVEL	STANLEY	641186	05/05	05/06
DATA ACQUISITION COMPUTER	GEO1	N/A	BEFORE USE	BEFORE USE
ANEMOMETER	HASTINGS	RM-1	05/05	05/06
SLIP RING ASSEMBLY	GTL	N/A	BEFORE USE	BEFORE USE
DECELEROMETER	GTL	N/A	BEFORE USE	BEFORE USE
INCLINOMETER	STARRETT	002	05/05	05/06
VBOX	RACELOGIC	VB2 #004337	BEFORE USE	BEFORE USE

SECTION 5
PHOTOGRAPHS



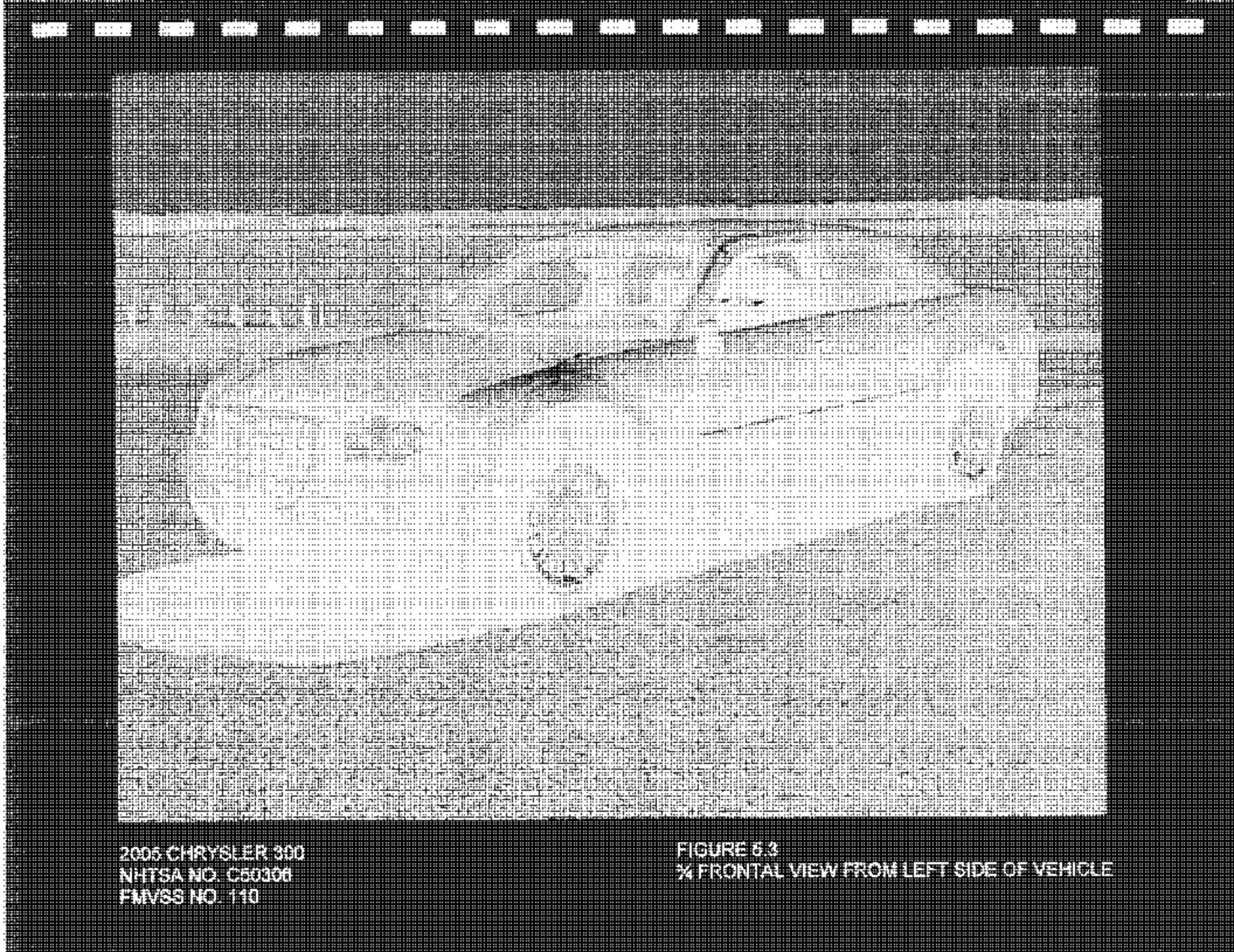
2006 CHRYSLER 300
NHTSA NO. C5030E
FMVSS NO. 110

FIGURE 5.1
LEFT SIDE VIEW OF VEHICLE



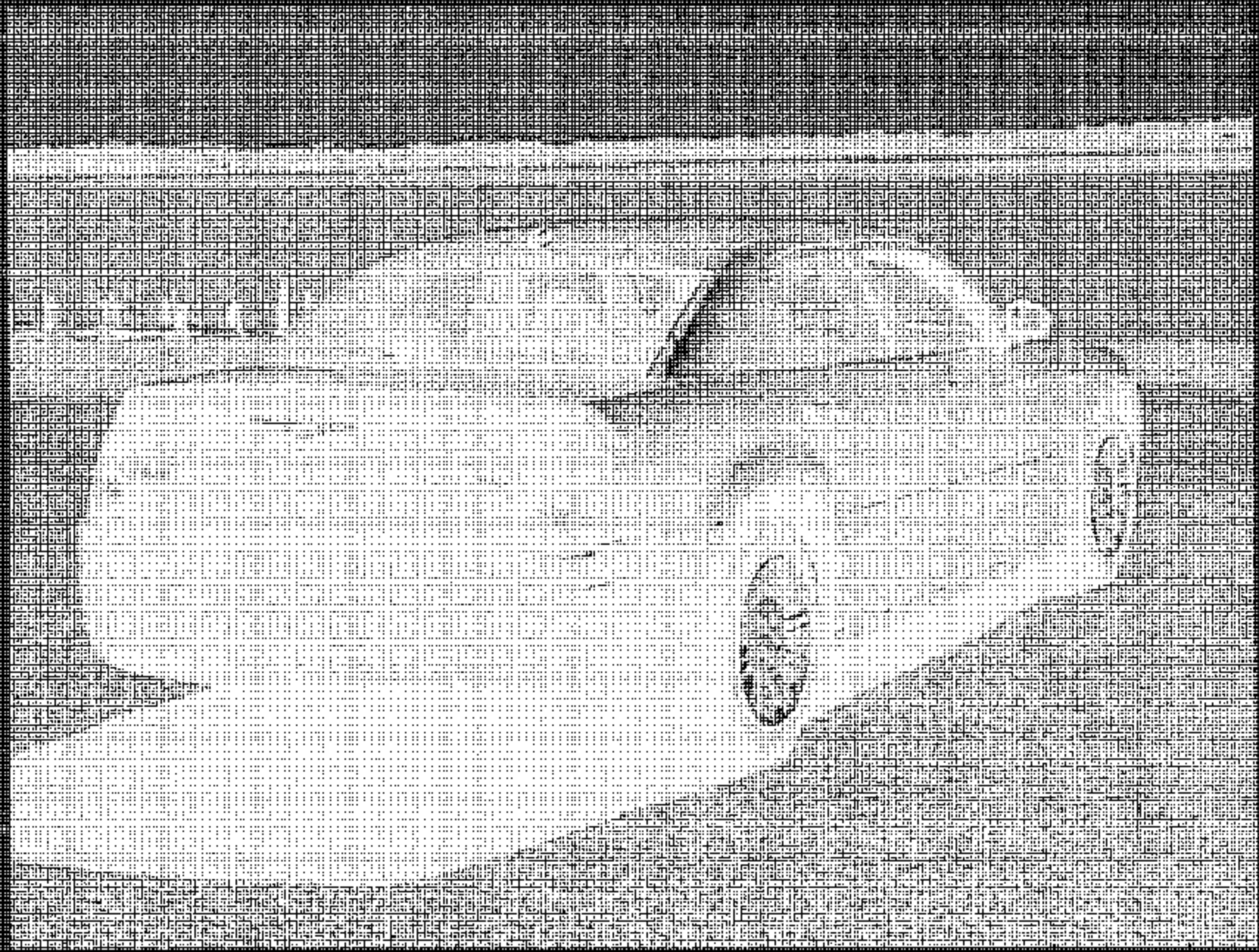
2005 CHRYSLER 300
NHTSA NO. C50306
FMVSS NO. 110

FIGURE 5.2
RIGHT SIDE VIEW OF VEHICLE



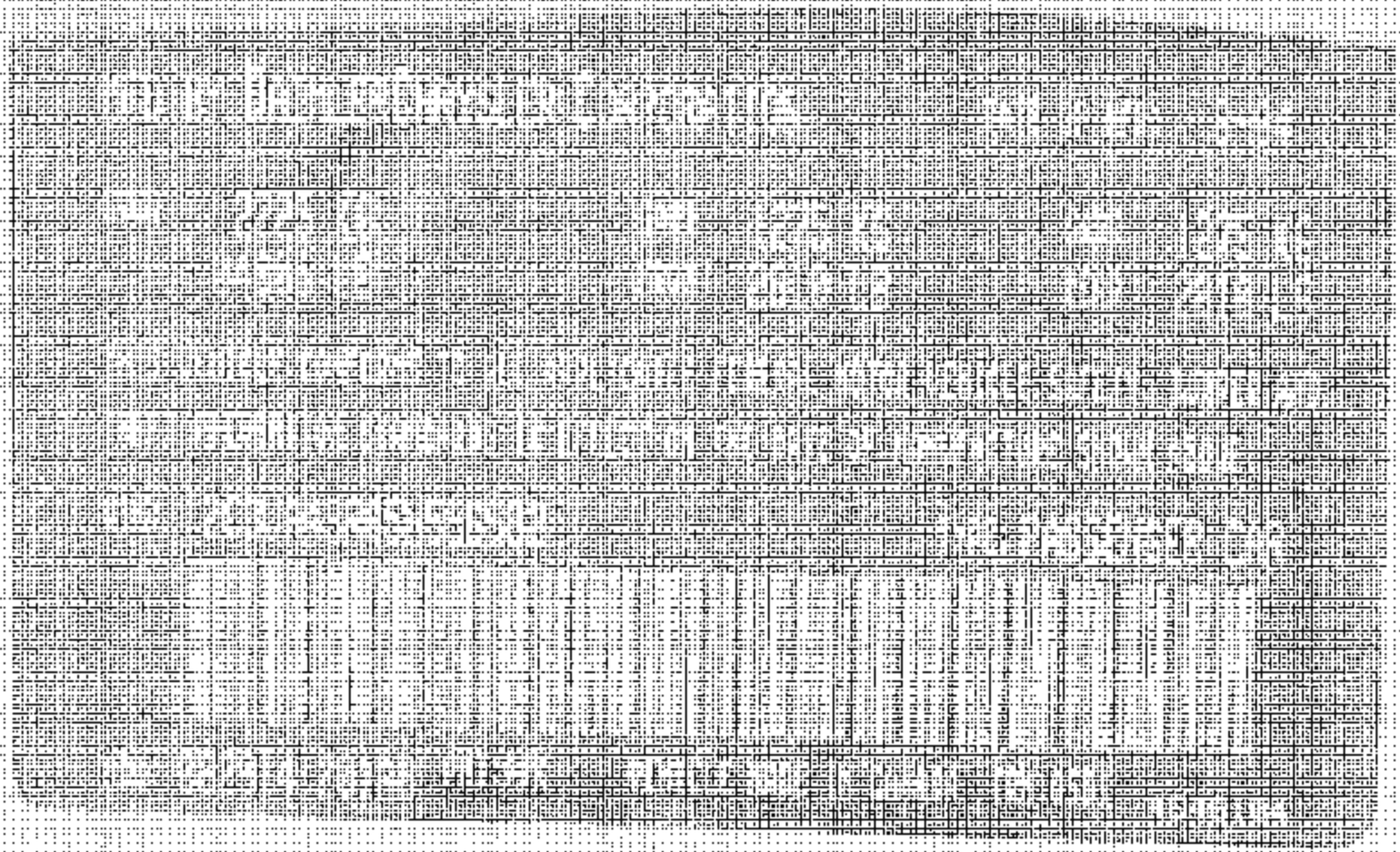
2005 CHRYSLER 300
NHTSA NO. C50306
FMVSS NO. 110

FIGURE 6.3
¾ FRONTAL VIEW FROM LEFT SIDE OF VEHICLE



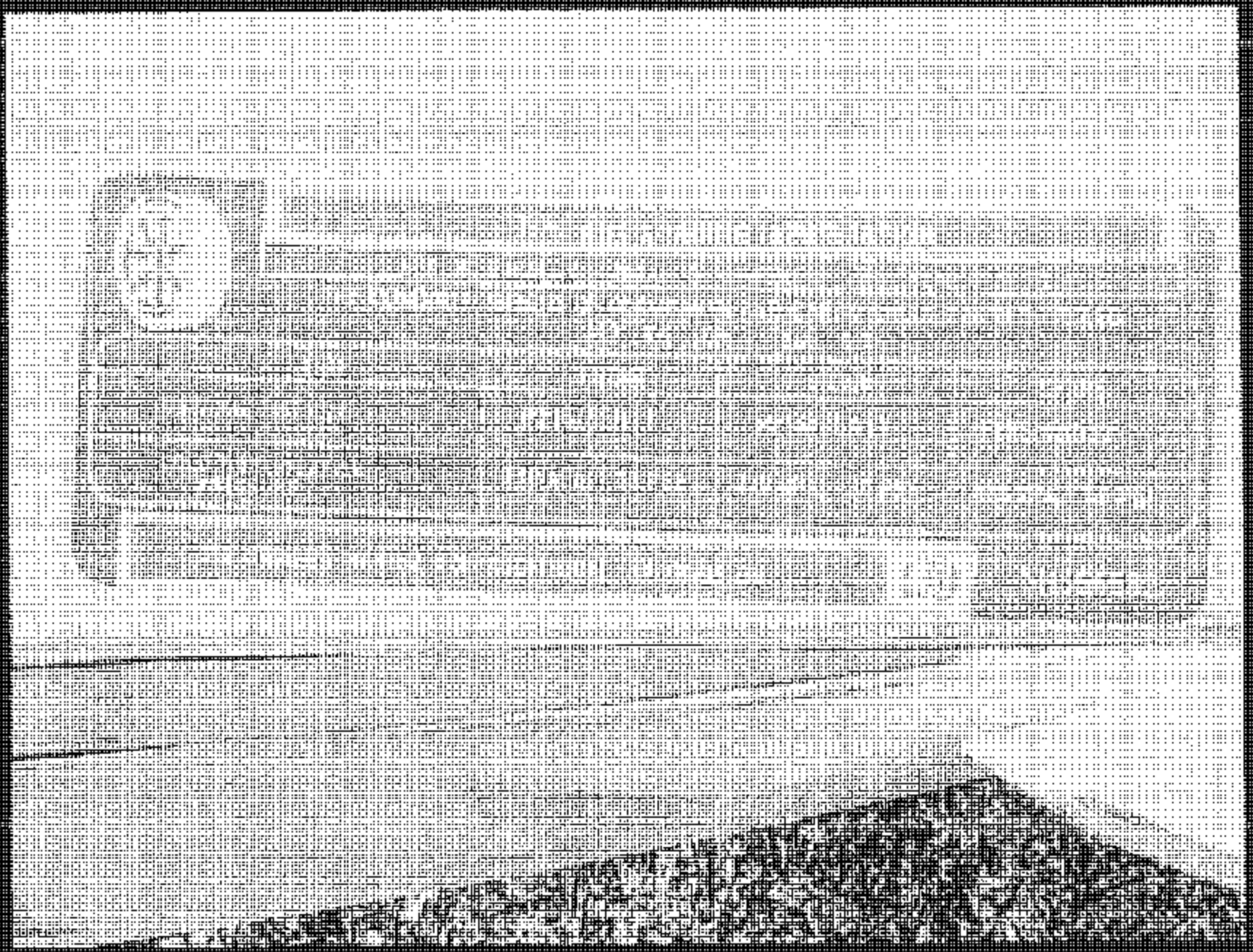
2005 CHRYSLER 300
NHTSA NO. C50350
FMVSS NO. 110

FIGURE 3.4
¾ REAR VIEW FROM RIGHT SIDE OF VEHICLE



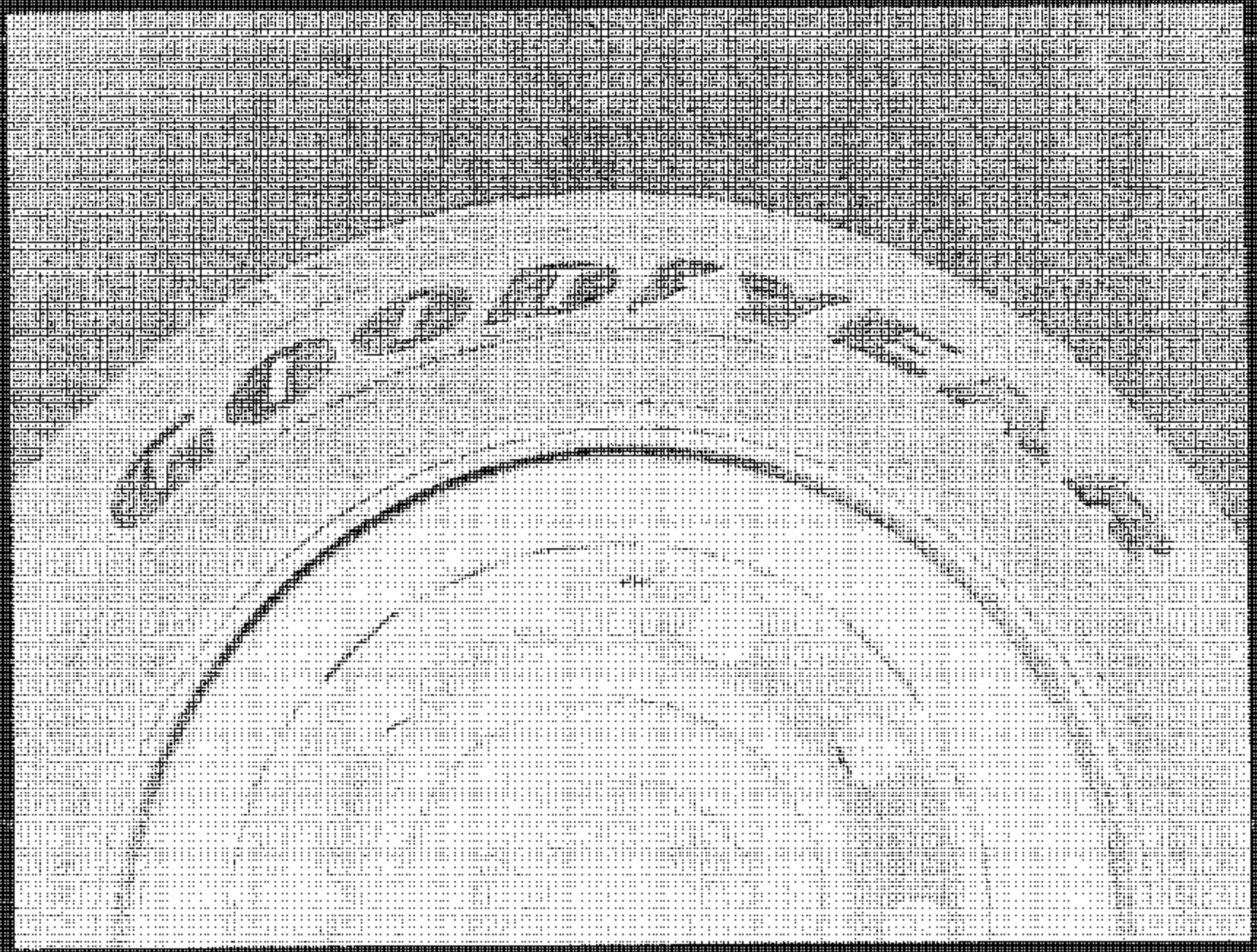
2005 CHRYSLER 300
NHTSA NO. C50900
FMVSS NO. 110

FIGURE 5.5
VEHICLE CERTIFICATION LABEL



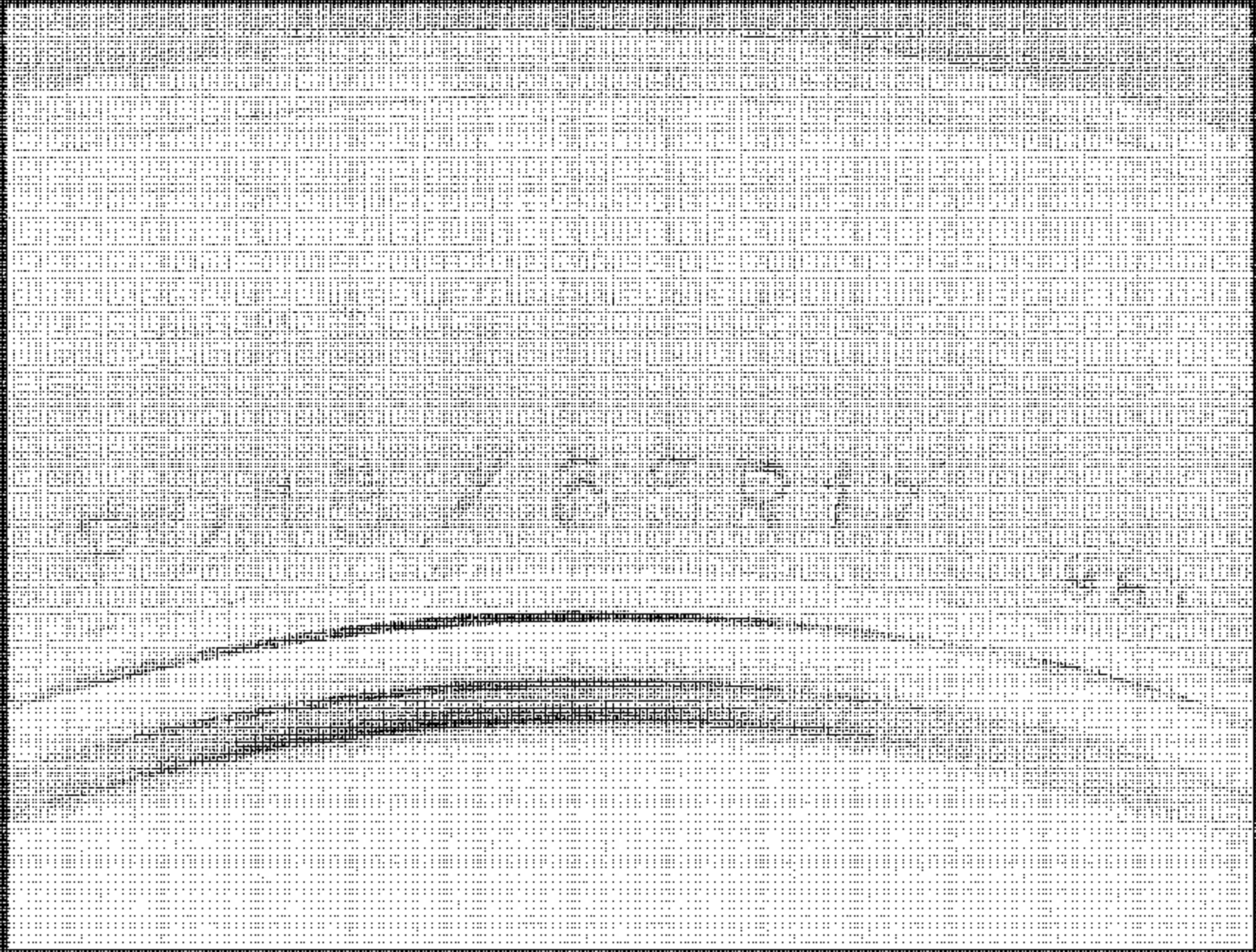
2005 CHRYSLER 300
NHTSA NO. C50305
FMVSS NO. 110

FIGURE 56
VEHICLE TIRE INFORMATION LABEL



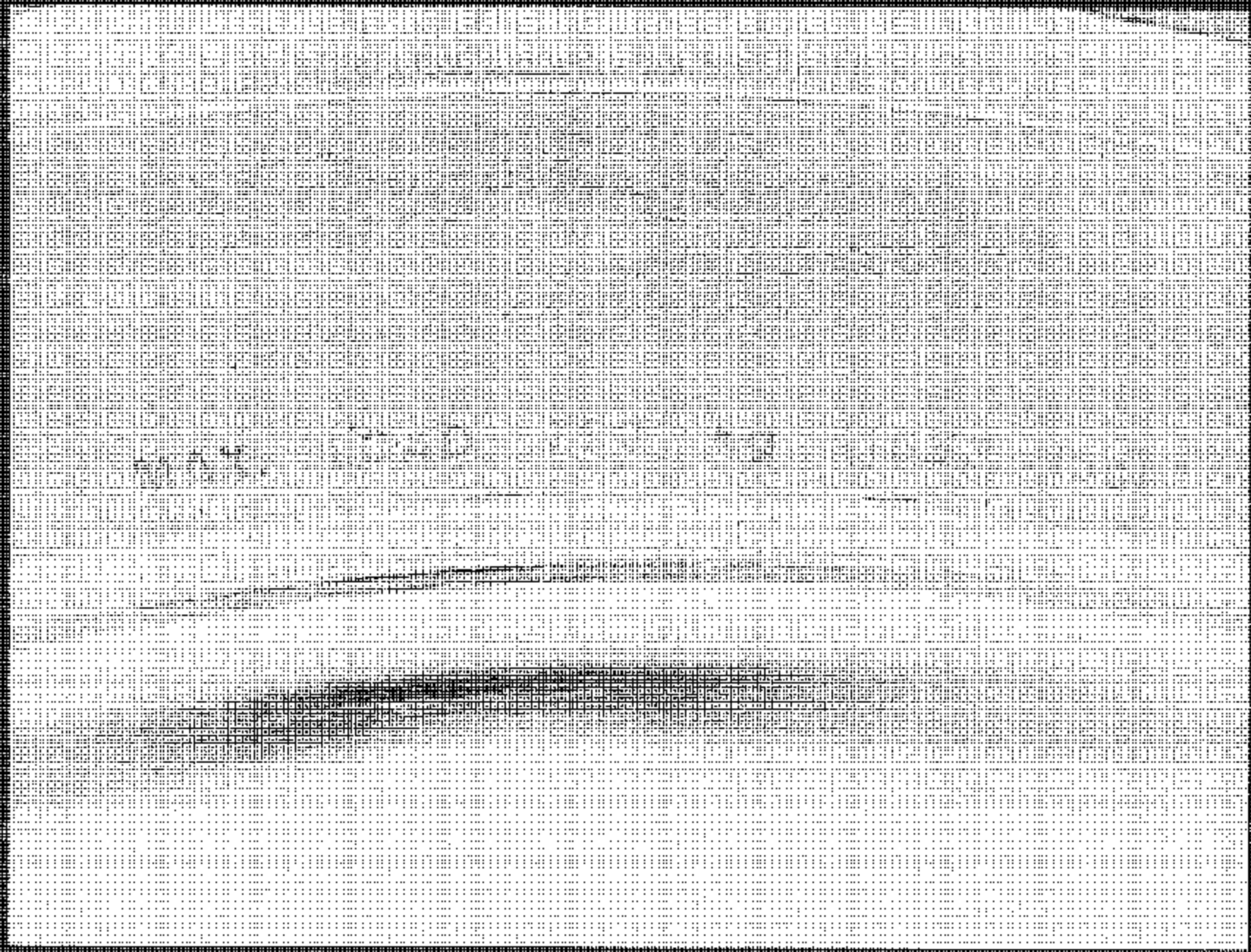
2005 CHRYSLER 300
NHTSA NO. C50305
FMVSS NO. 110

FIGURE 5.7
TIRE SHOWING MANUFACTURER



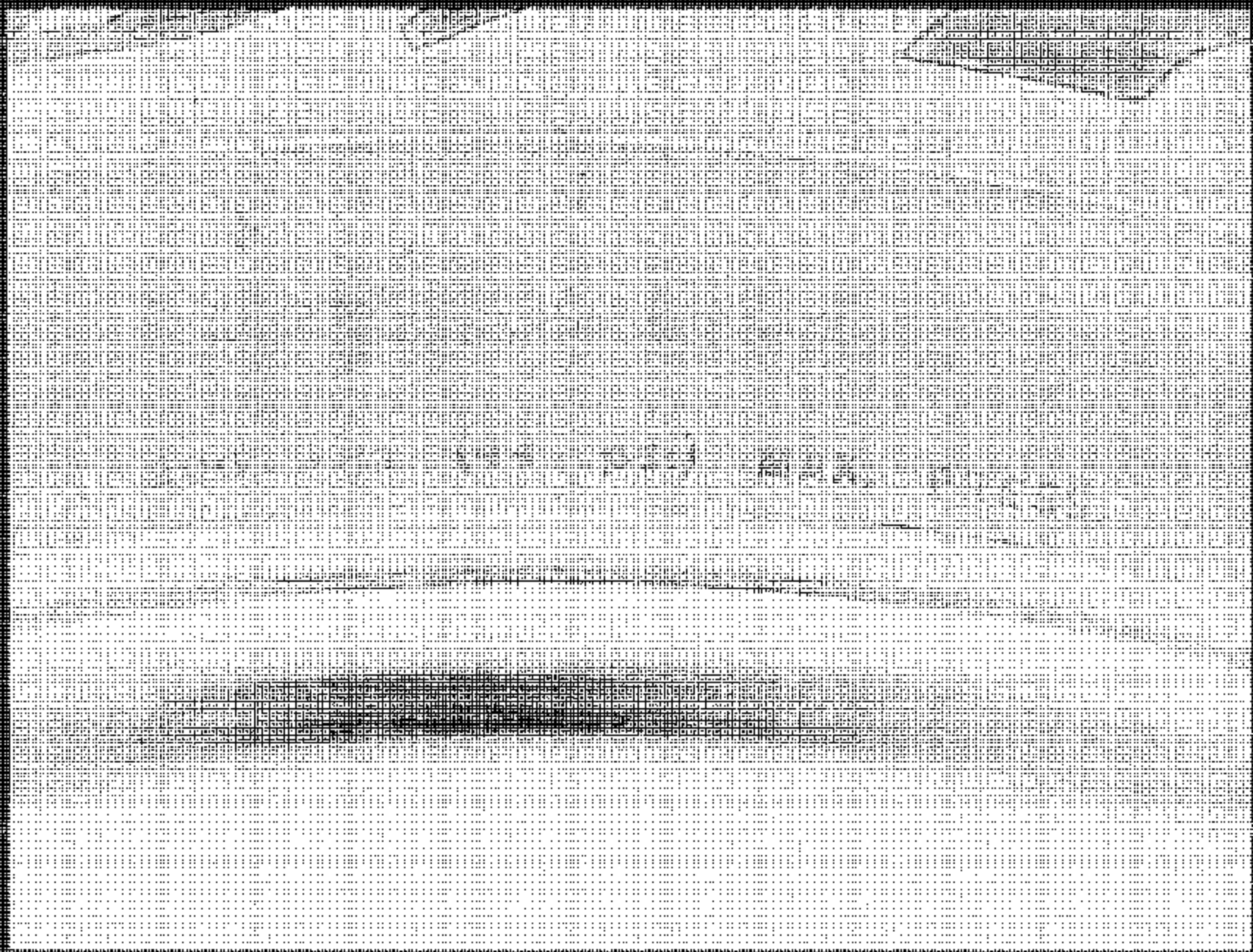
2005 CHRYSLER 300
NHTSA NO. C50006
FMVSS NO. 110

FIGURE 5.8
TIRE SHOWING SIZE, LOAD RANGE AND SPEED RATING



2005 CHRYSLER 300
NHTSA NO. C50306
FMVSS NO. 110

FIGURE 5.9
TIRE SHOWING MAX LOAD RATING



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NHTSA NO. C50306
FMVSS NO. 110

FIGURE 6.10
TIRE SHOWING MAX INFLATION PRESSURE

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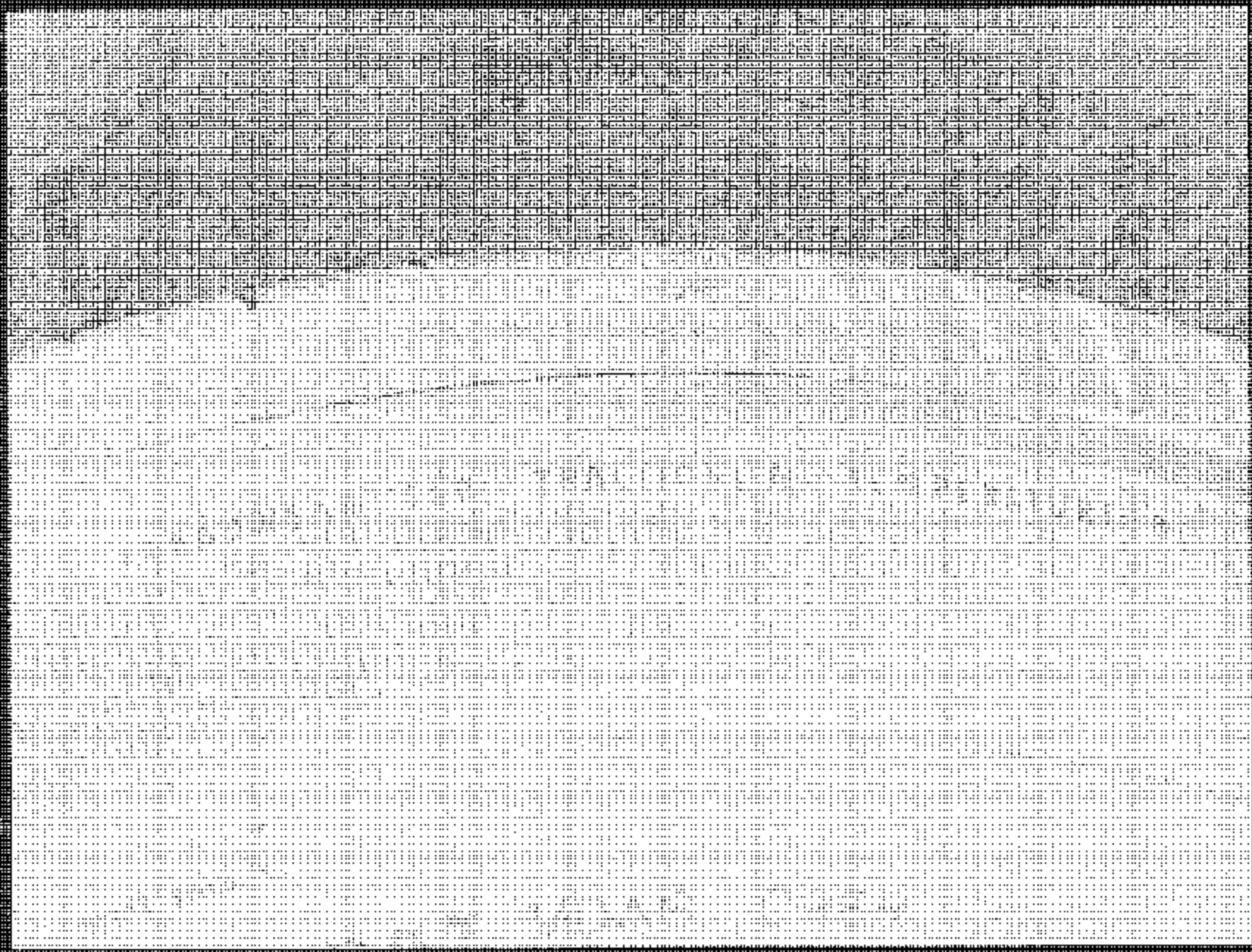
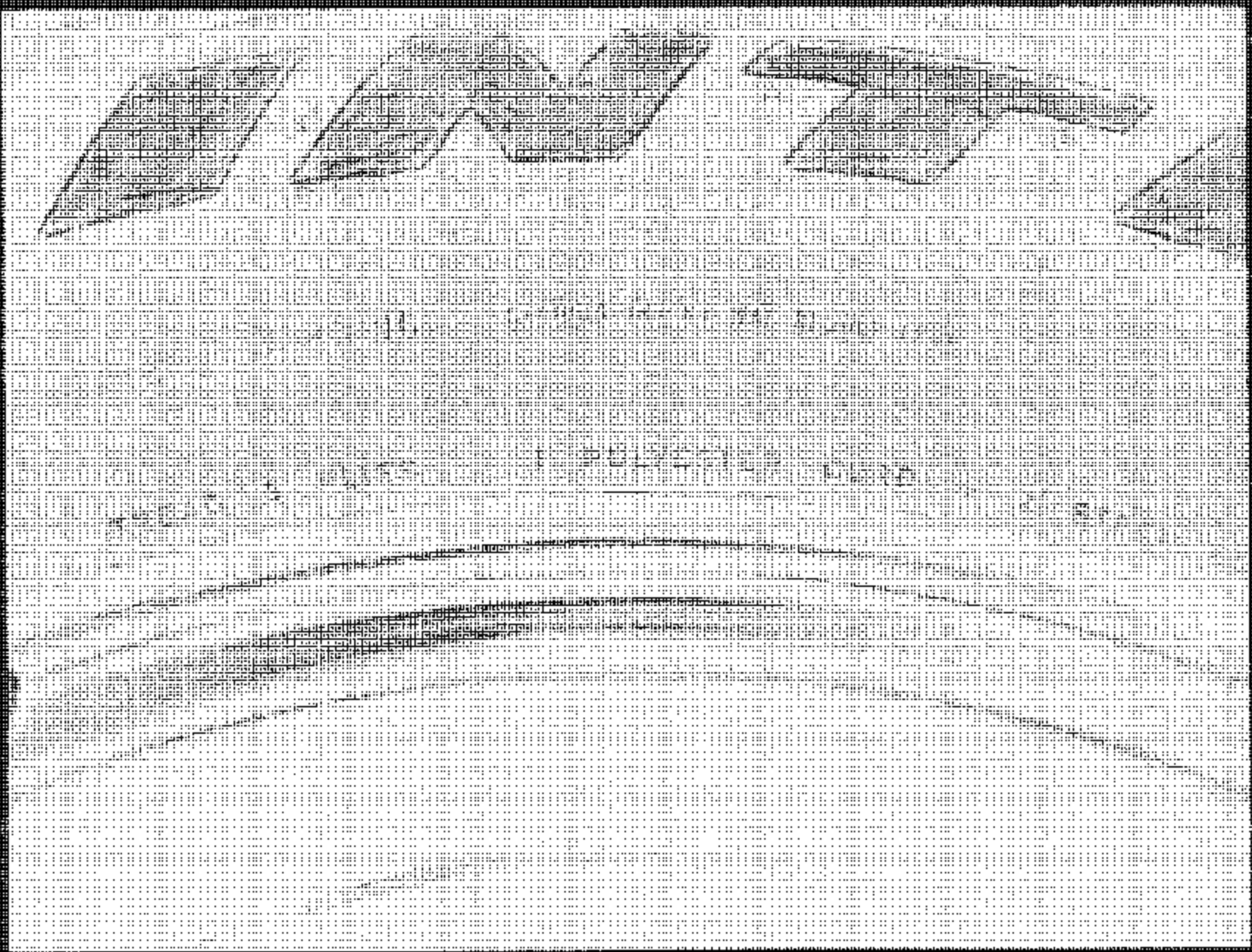
NHTSA NO. C60300
FMVSS NO. 110

FIGURE 6.11
TIRE SHOWING SERIAL NUMBER



2005 CHRYSLER 300
NHTSA NO. C55306
FMVSS NO. 110

FIGURE 6.12
TIRE SHOWING TREADWEAR, TRACTION, TEMPERATURE



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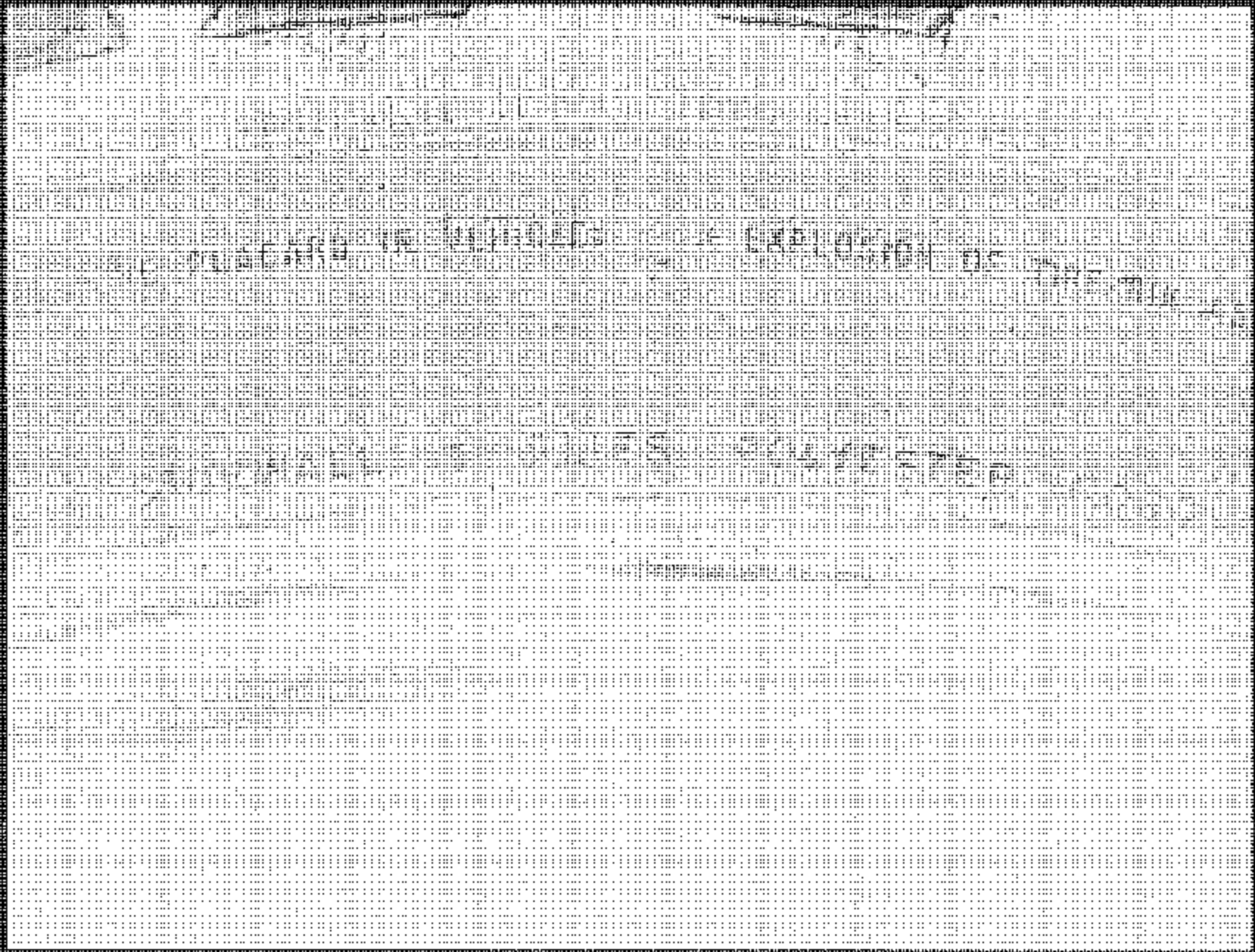
NHTSA NO. C60305
FMVSS NO. 110

FIGURE 5.13
TIRE SHOWING TREAD CONSTRUCTION



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NHTSA NO. C60306
FMVSS NO. 110

FIGURE 6.14
TIRE SHOWING SIDEWALL CONSTRUCTION

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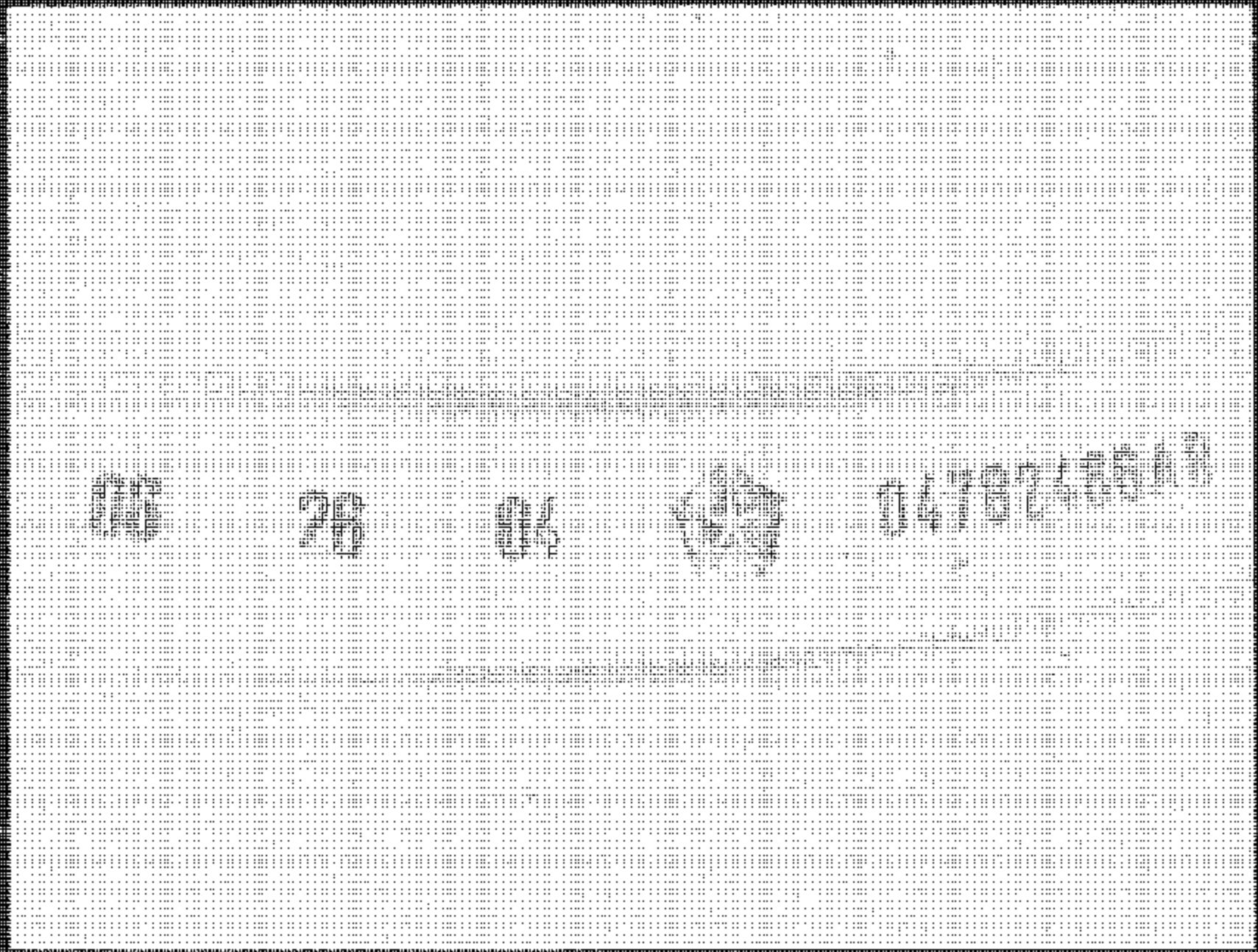
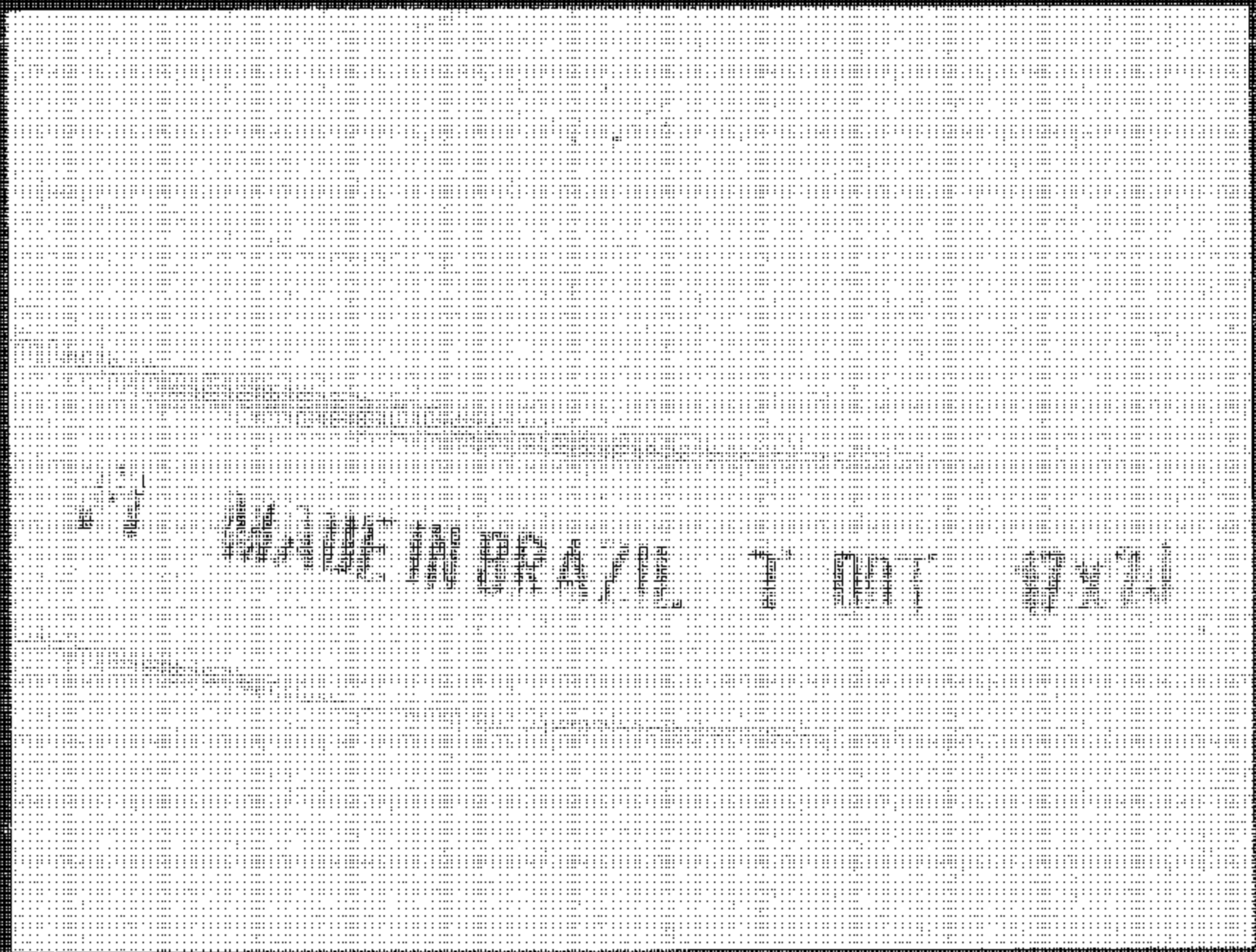
NHTSA NO. C50306
FMVSS NO. 110

FIGURE 5.15
RIM CONTOUR FOR FULL WIDTH OF RIM
CROSS SECTION



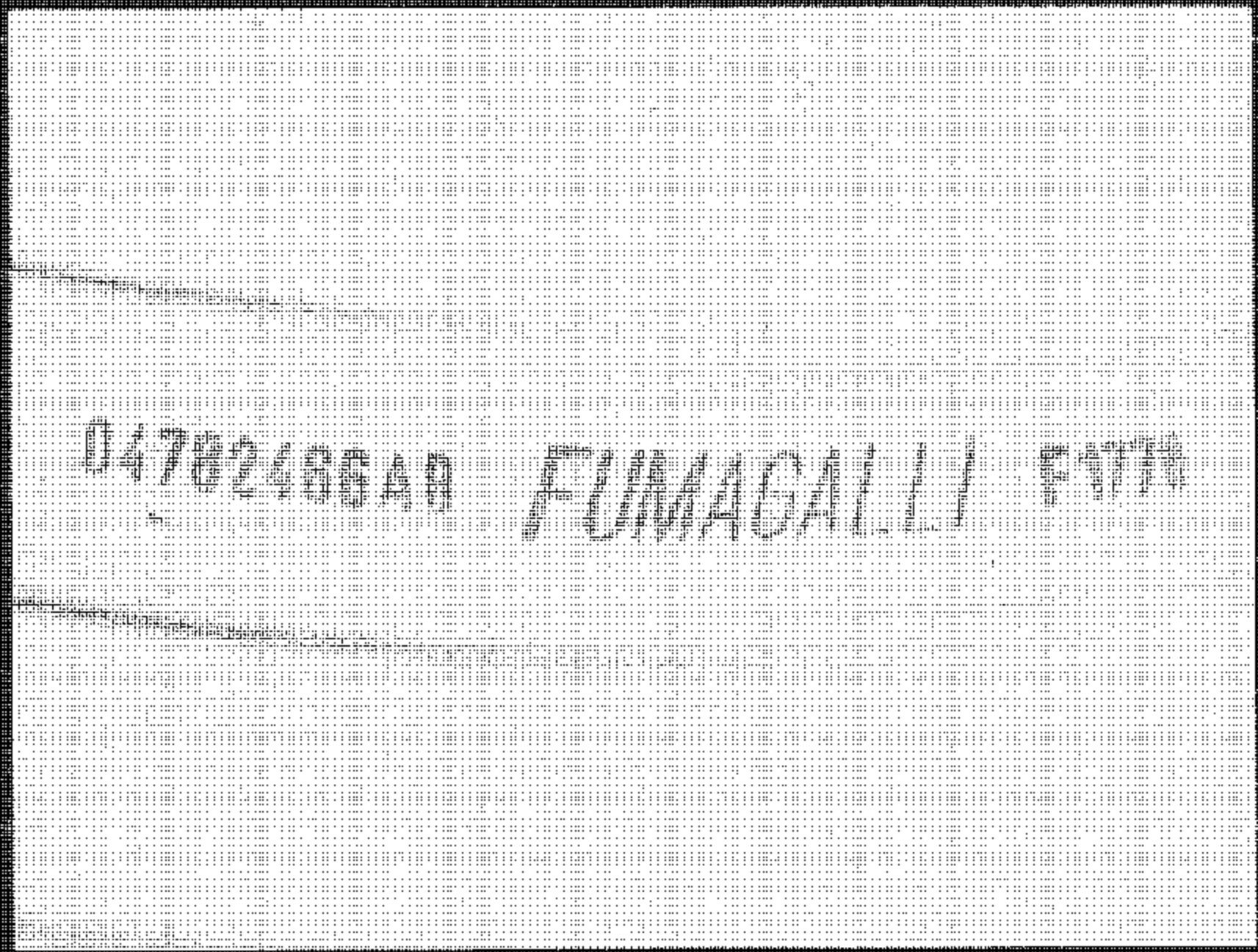
2005 CHRYSLER 300
NHTSA NO. C60305
FMVSS NO. 110

FIGURE 5.16
RIM SHOWING DATE, MANUFACTURER AND SERIAL NUMBER



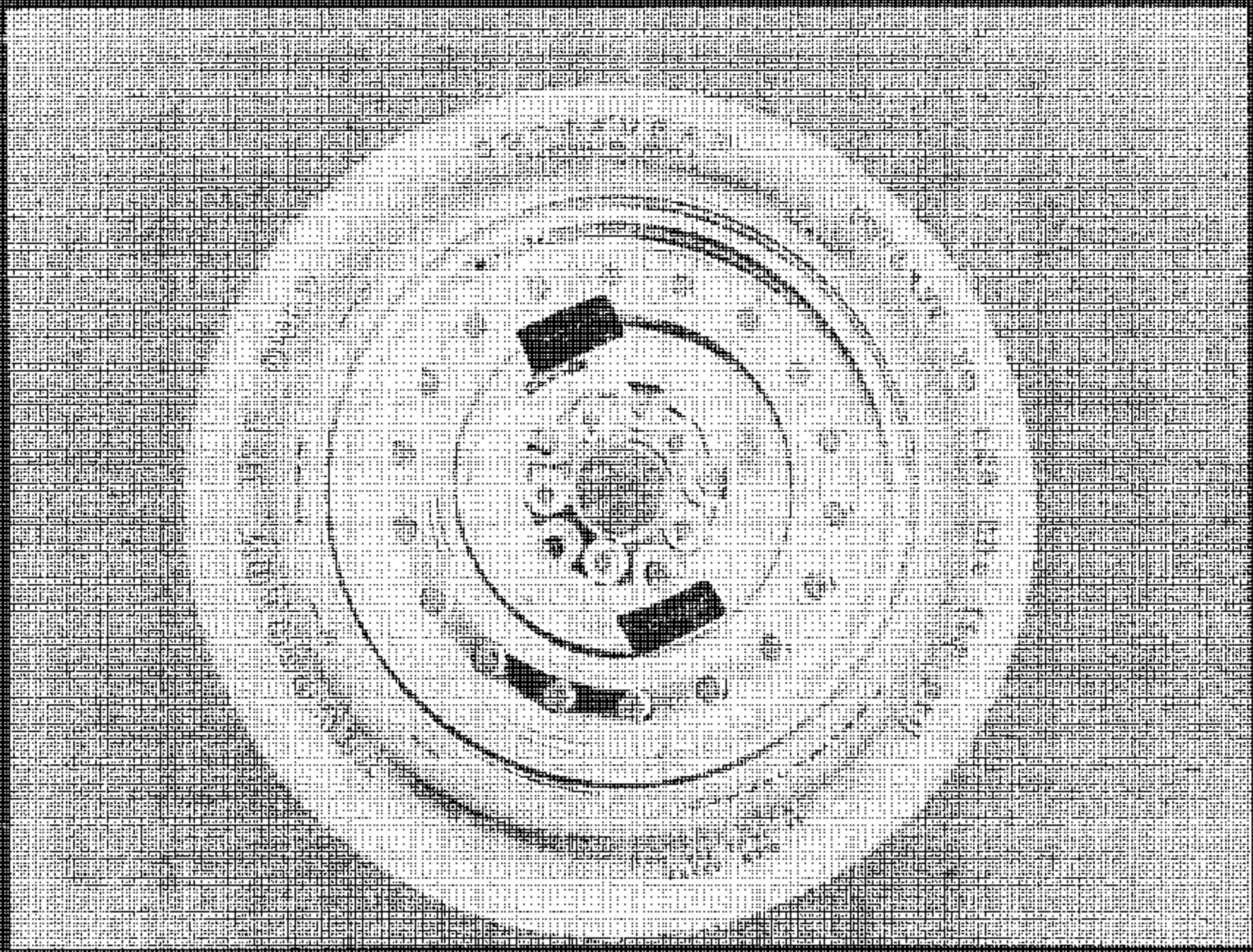
2005 CHRYSLER 300
NHTSA NO. C50308
FMVSS NO. 110

FIGURE 5.17
RIM SHOWING SIZE AND OTHER MARKINGS



2005 CHRYSLER 300
NHTSA NO. C50305
FMVSS NO. 110

FIGURE 5.18
OTHER RIM MARKINGS



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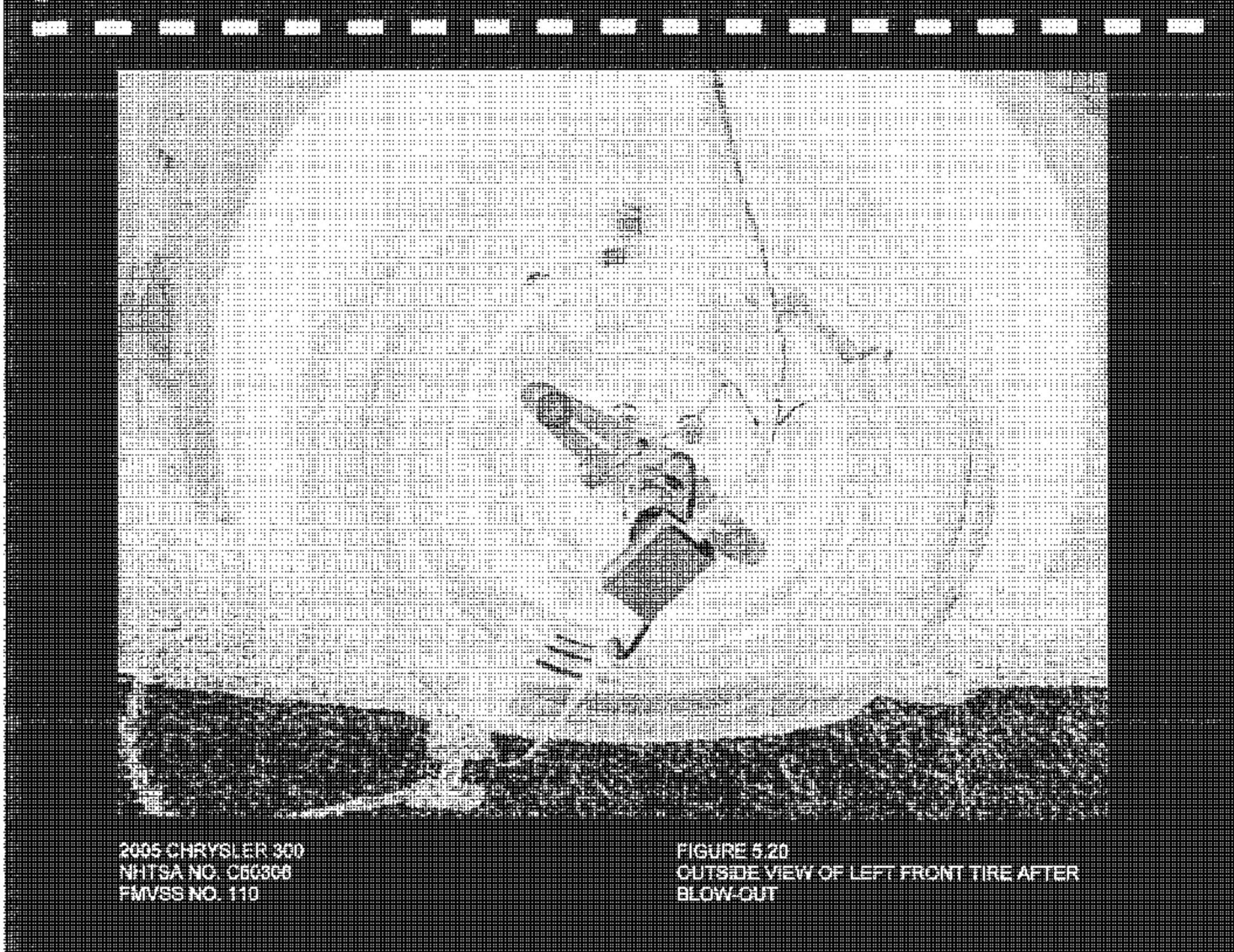
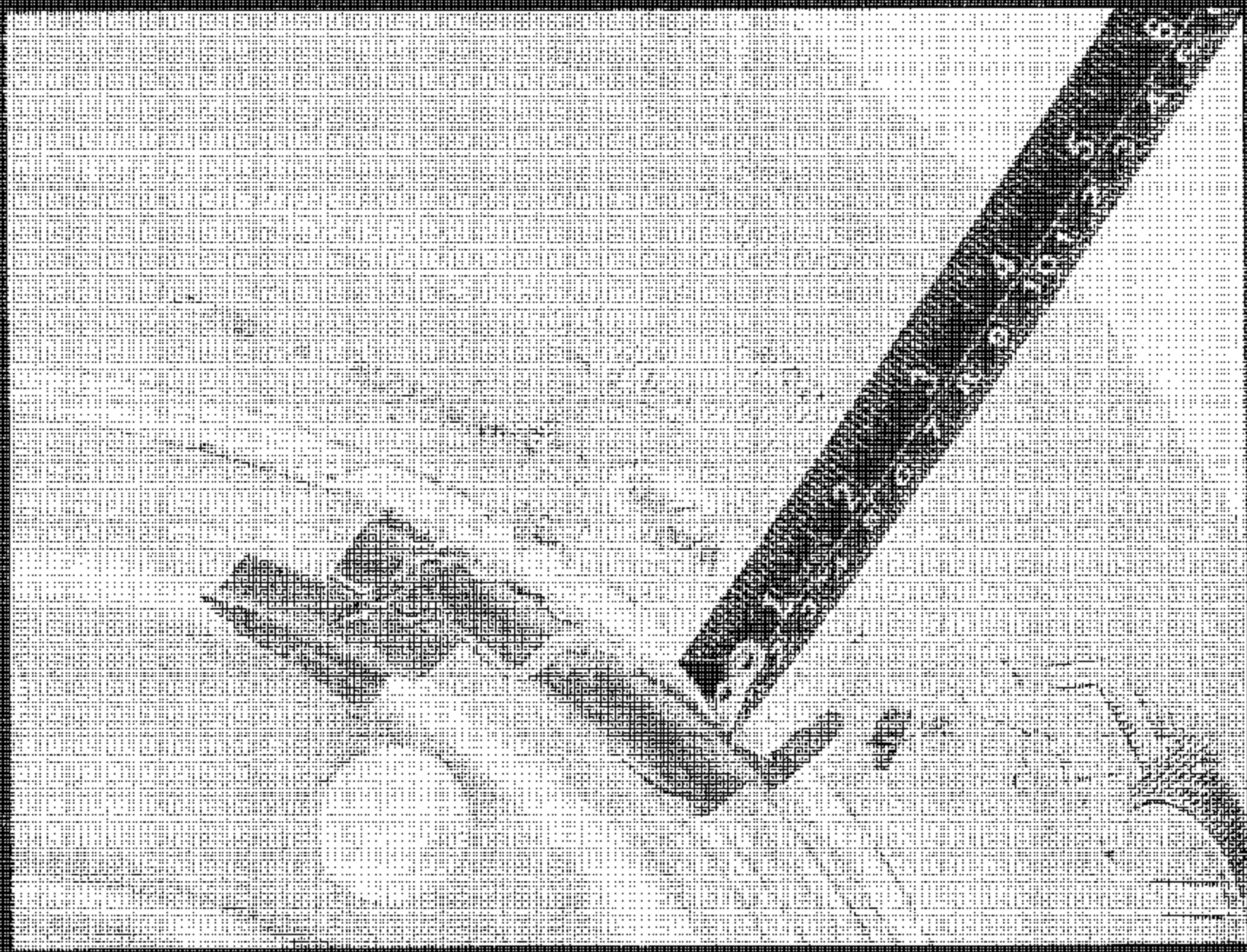
NHTSA NO. C50306
FMVSS NO. 110

FIGURE 5.19
SPARE TIRE AND RIM ASSEMBLY



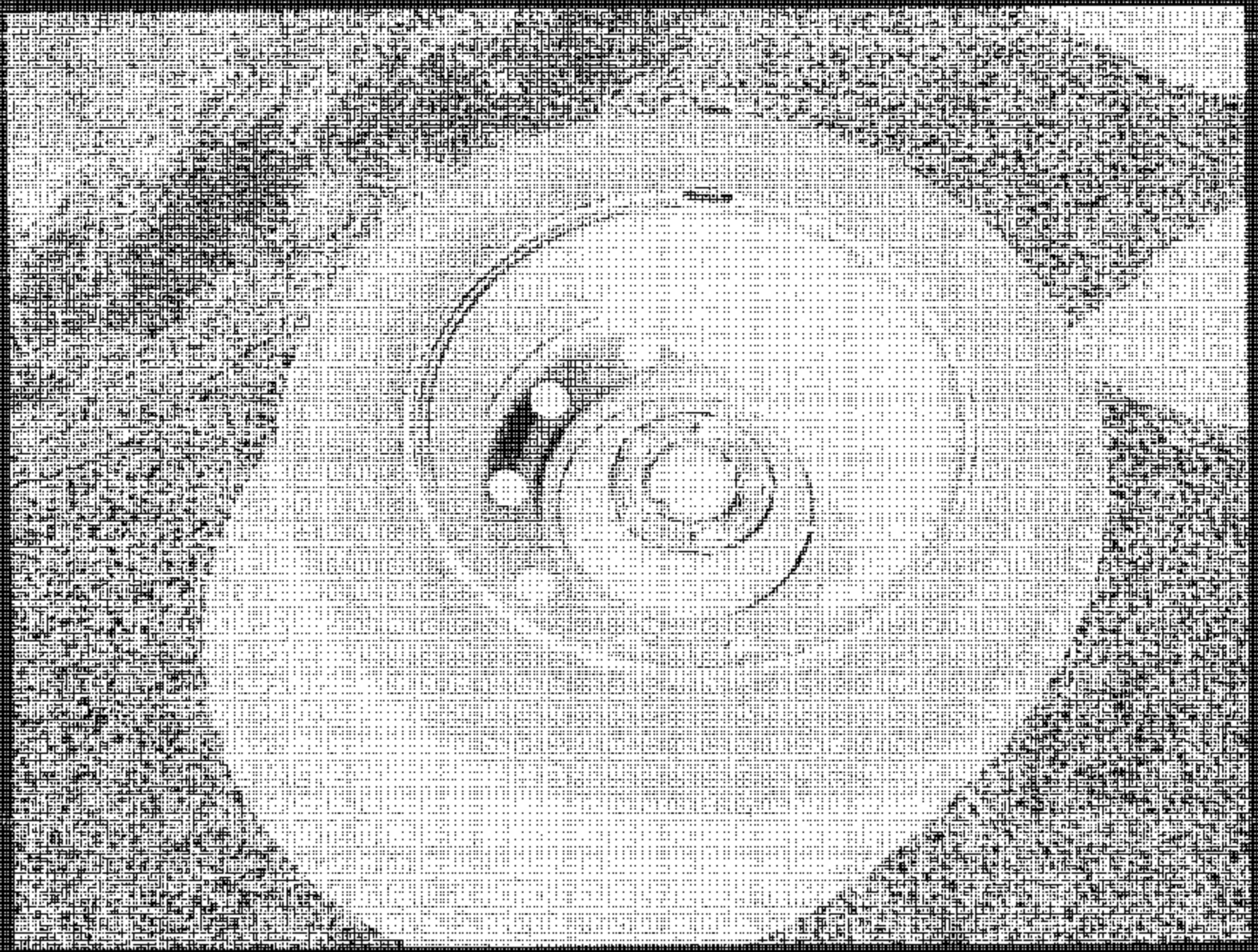
2005 CHRYSLER 300
NHTSA NO. C6C3C6
FMVSS NO. 110

FIGURE 5.20
OUTSIDE VIEW OF LEFT FRONT TIRE AFTER BLOW-OUT



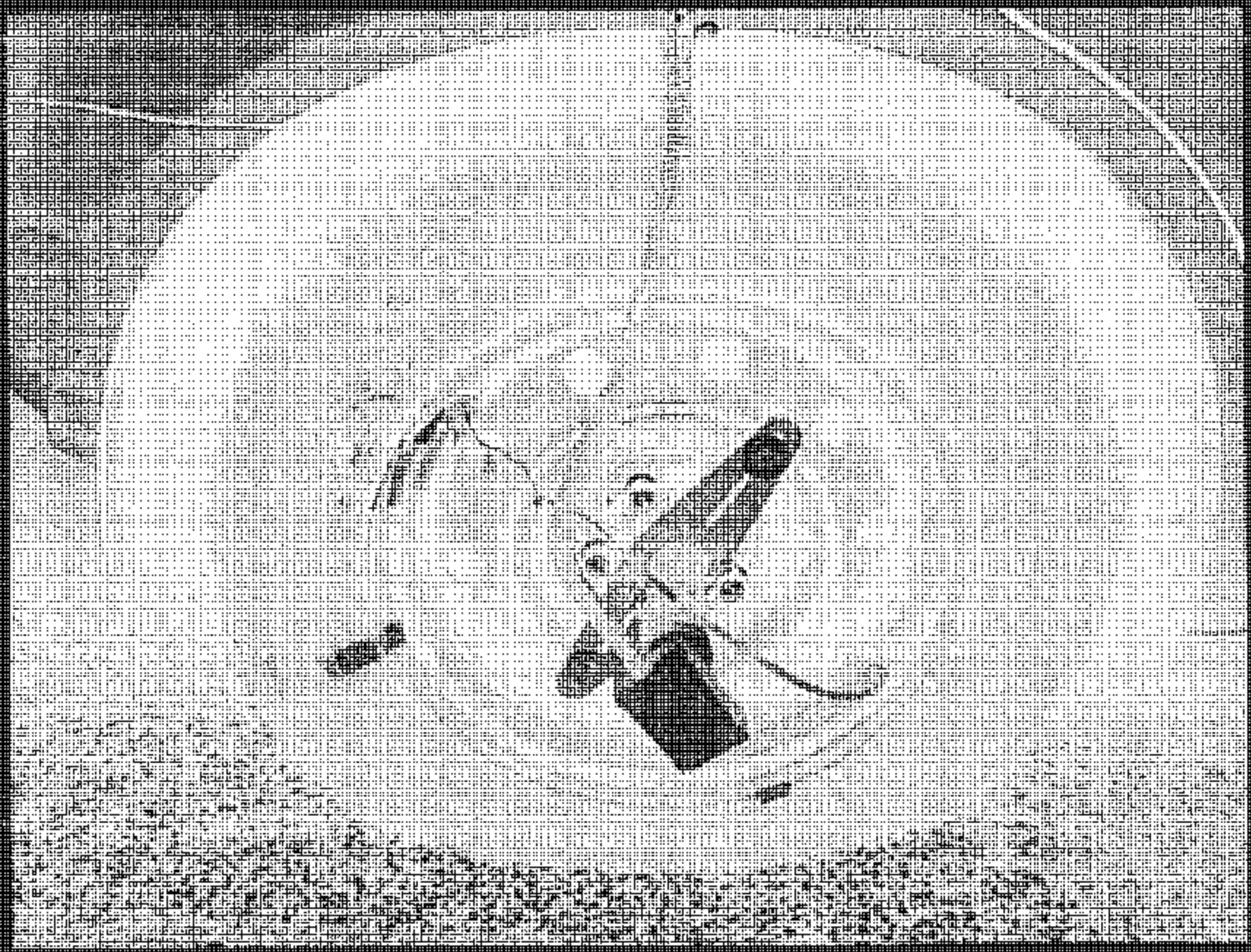
2005 CHRYSLER 300
NHTSA NO. C50306
FMVSS NO. 110

FIGURE 5.21
CLOSE-UP OF BLOWN-OUT TIRE WITH RULER
NEXT TO HOLE



2005 CHRYSLER 300
NHTSA NO. C50306
FMVSS NO. 110

FIGURE 5.22
INSIDE VIEW OF LEFT FRONT TIRE AFTER BLOW-OUT



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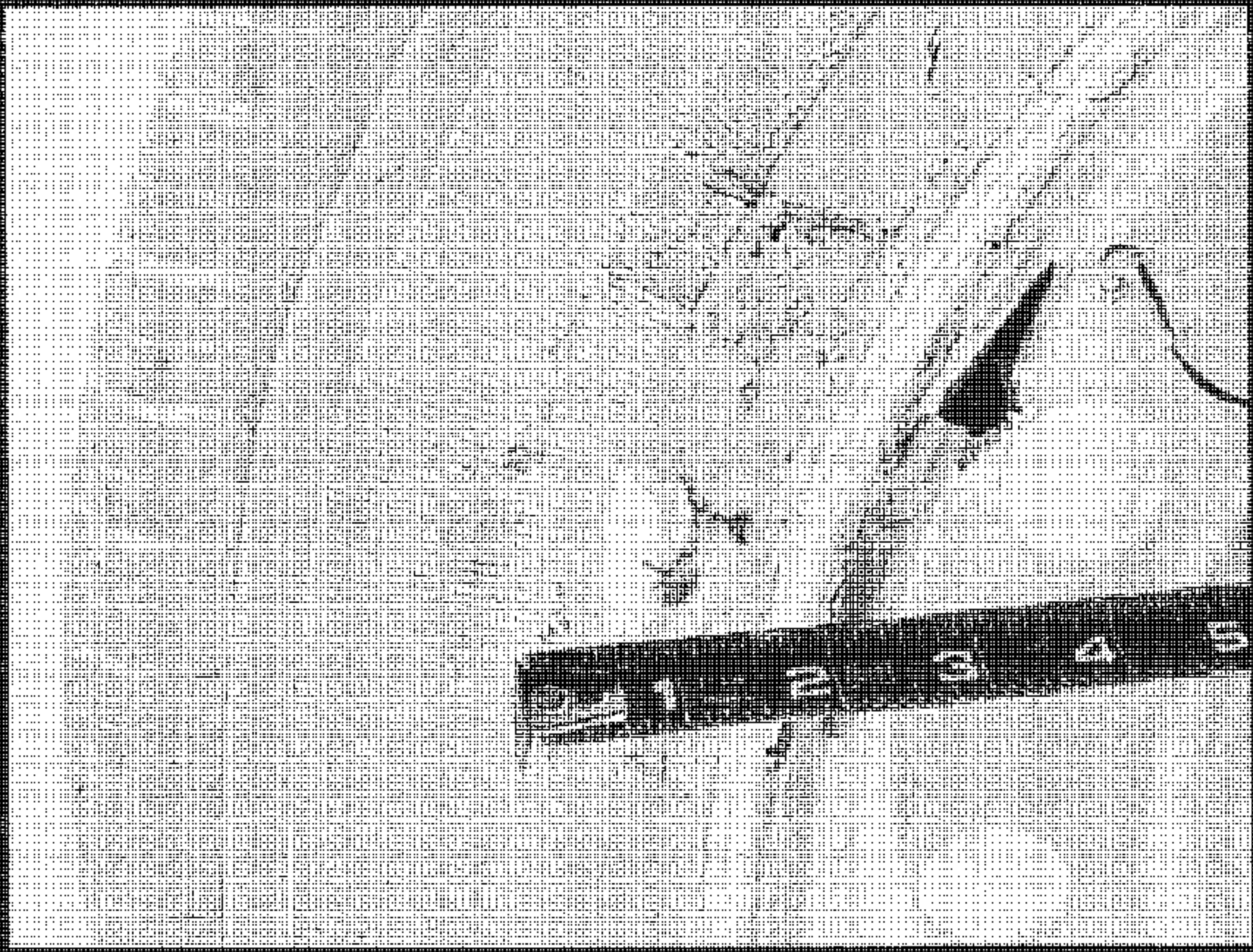
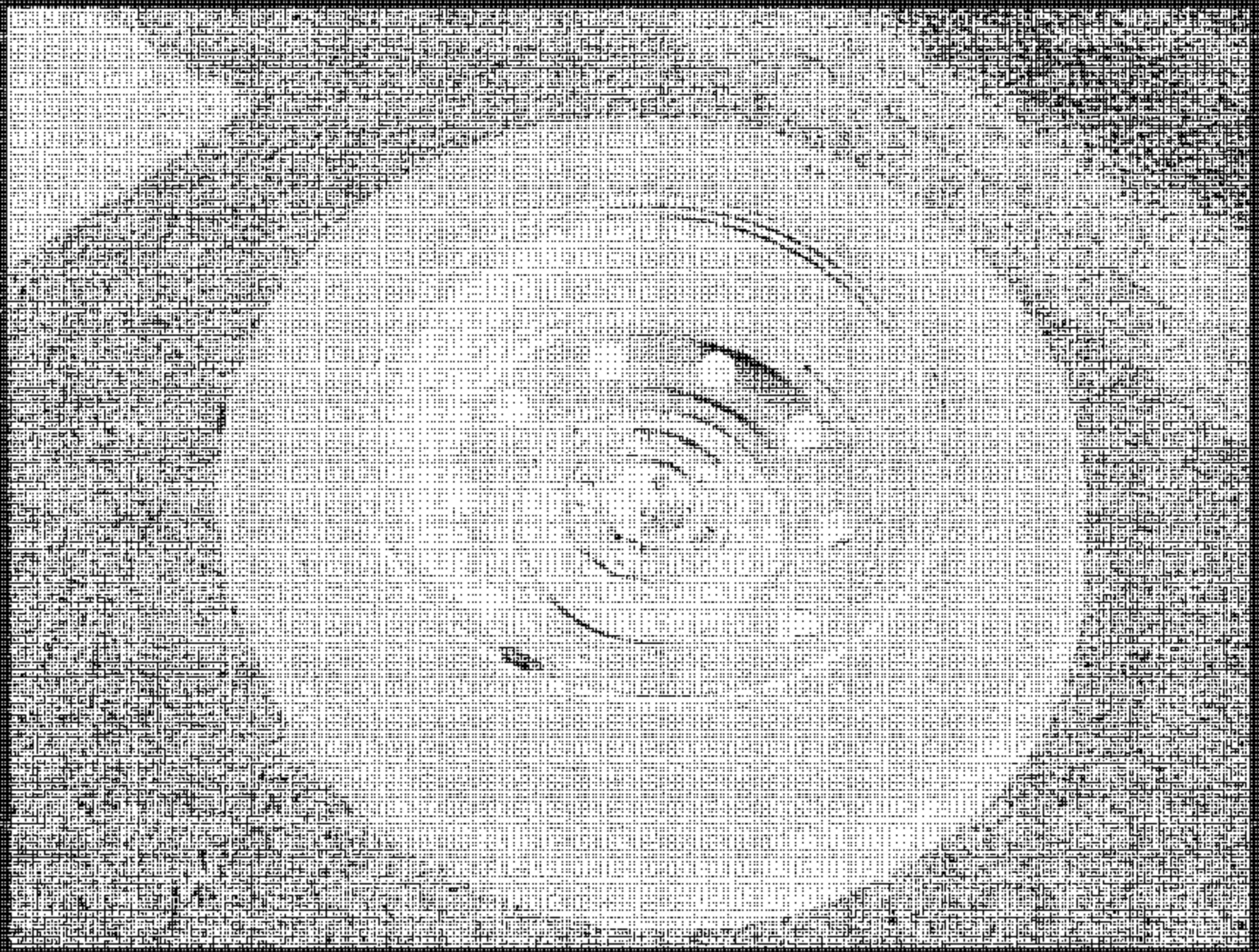
NHTSA NO. C50308
FMVSS NO. 110

FIGURE 5.23
OUTSIDE VIEW OF RIGHT REAR TIRE AFTER BLOW-OUT



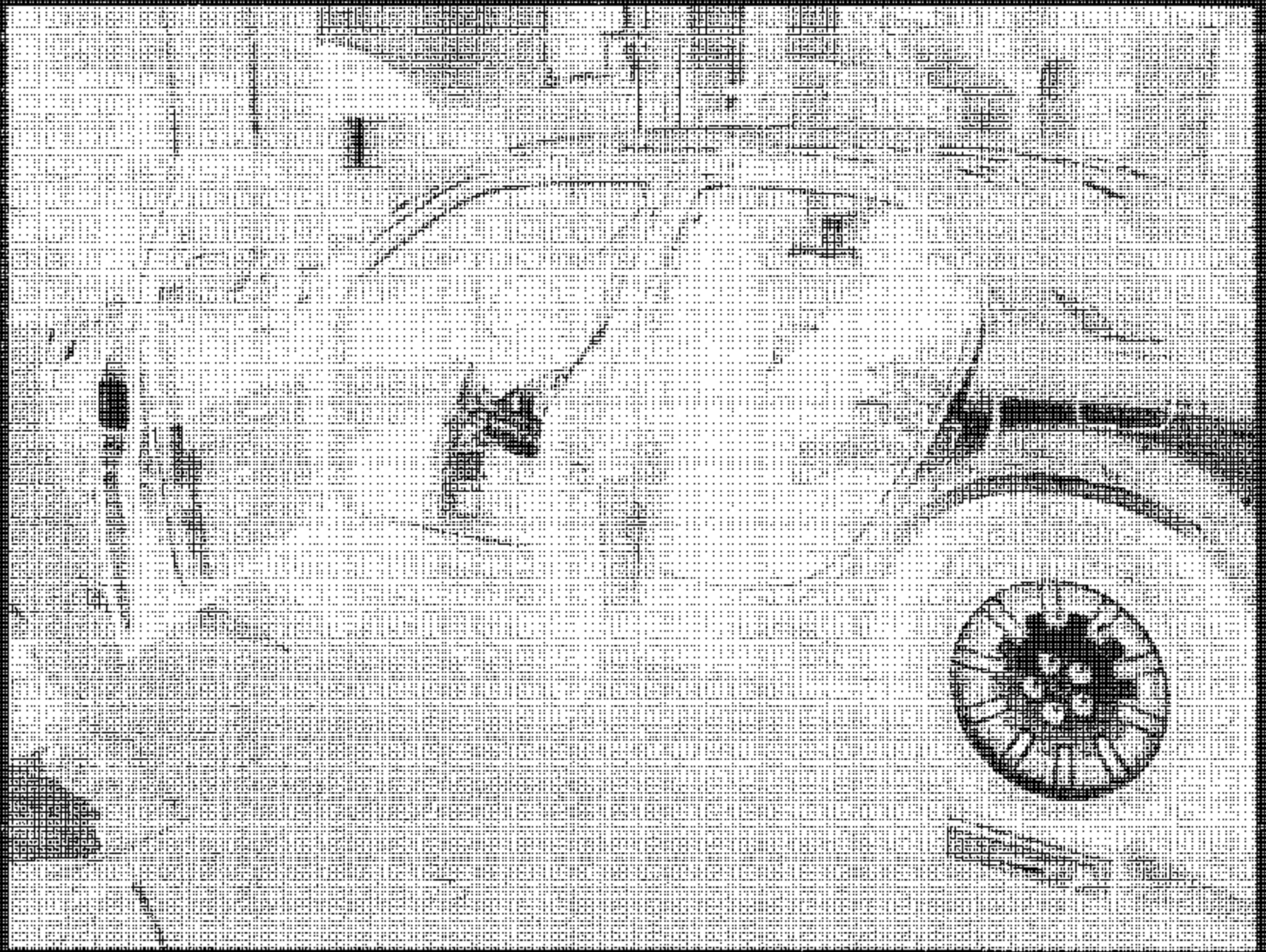
2005 CHRYSLER 300
NHTSA NO. C50306
FMVSS NO. 110

FIGURE 5.24
CLOSE-UP OF BLOWN-OUT TIRE WITH RULER
NEXT TO HOLE



2005 CHRYSLER 300
NHTSA NO. C50306
FMVSS NO. 110

FIGURE 5.23
INSIDE VIEW OF RIGHT REAR TIRE AFTER BLOW-OUT



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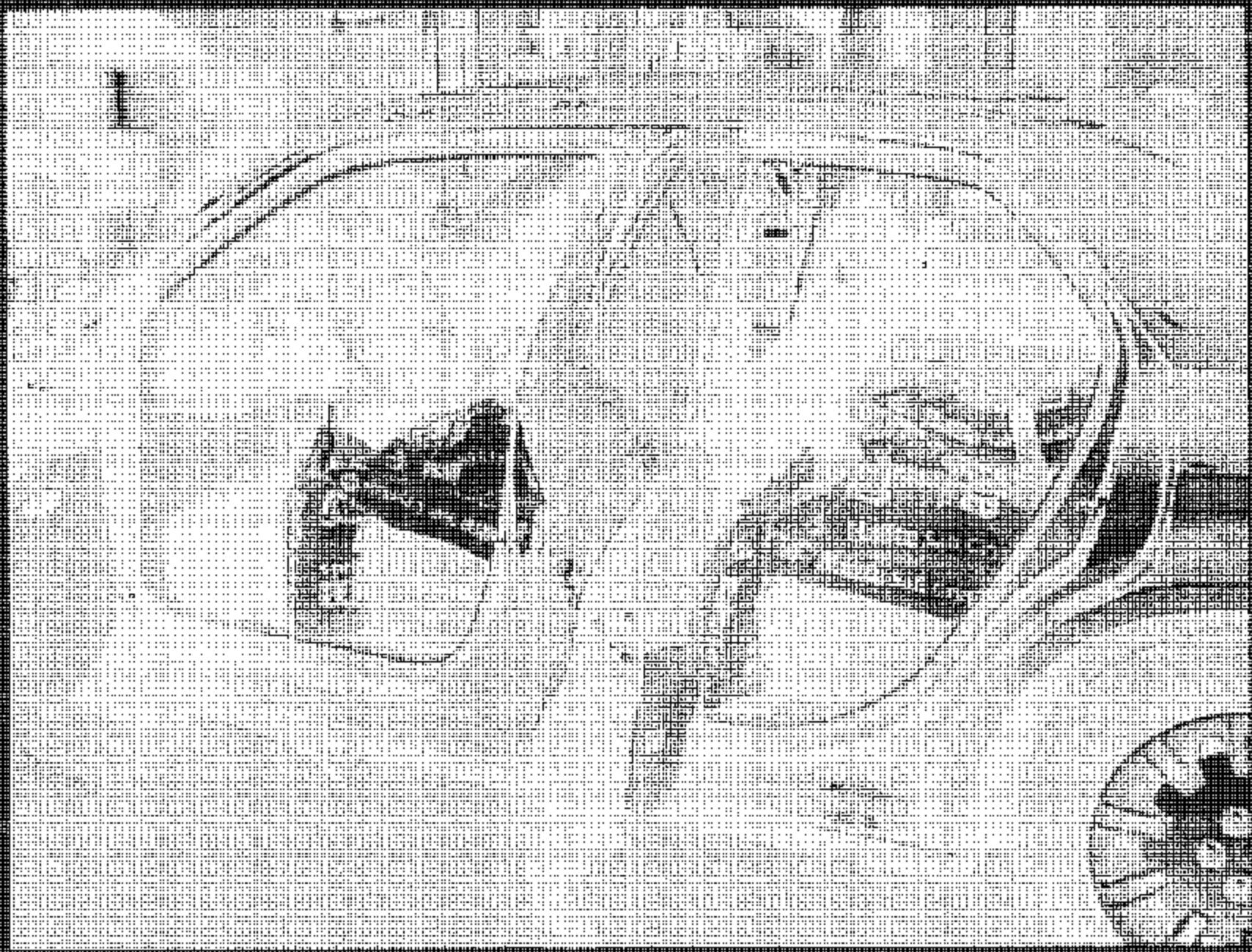
NHTSA NO. 050305
FMVSS NO. 110

FIGURE 5.28
VEHICLE ON SCALES BALLASTED FOR NORMAL LOAD



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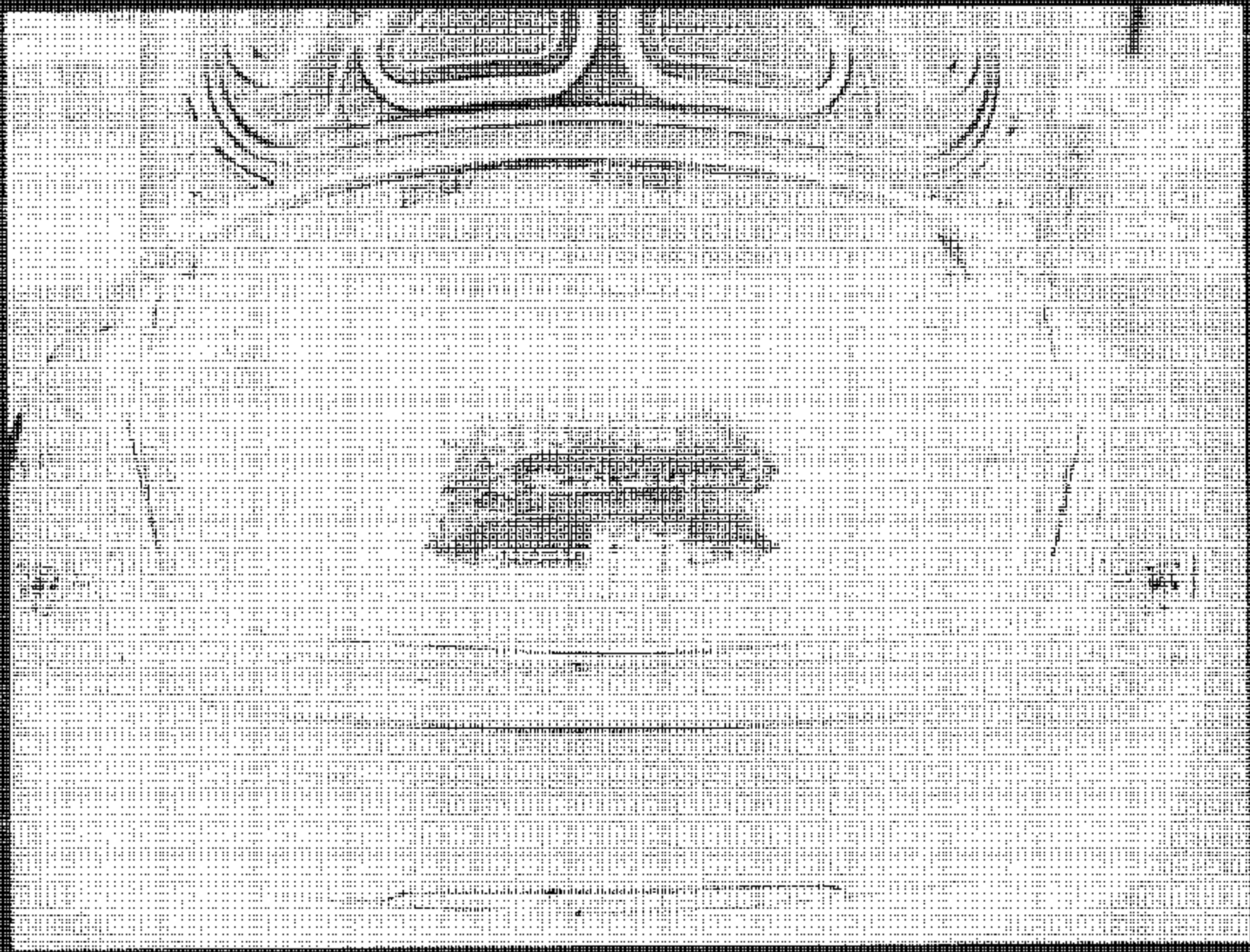
NHTSA NO. C50306
FMVSS NO. 110

FIGURE 5.27
VEHICLE BALLASTED FOR MAXIMUM LOAD



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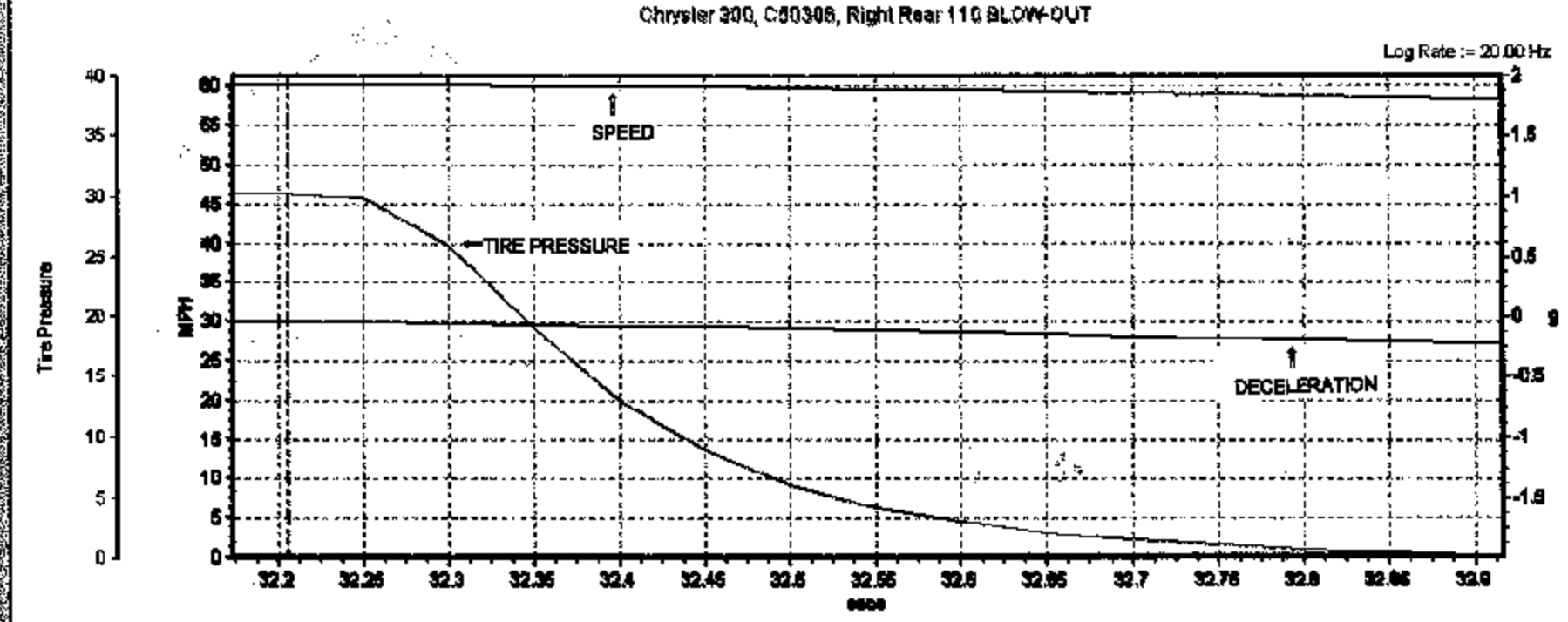
NHTSA NO. C50308
FMVSS NO. 110

FIGURE 5-28
VEHICLE BALLASTED FOR CARGO

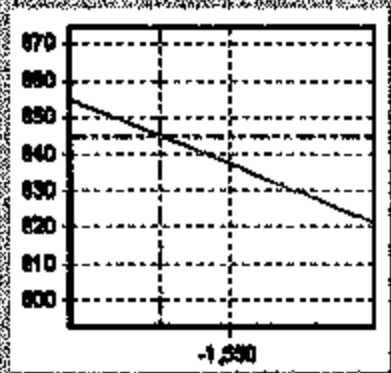
SECTION 6
TEST PLOTS

Speed Vs Time

File Edit Smoothing Graph Type Select Run Graph Properties Run/Print & Save

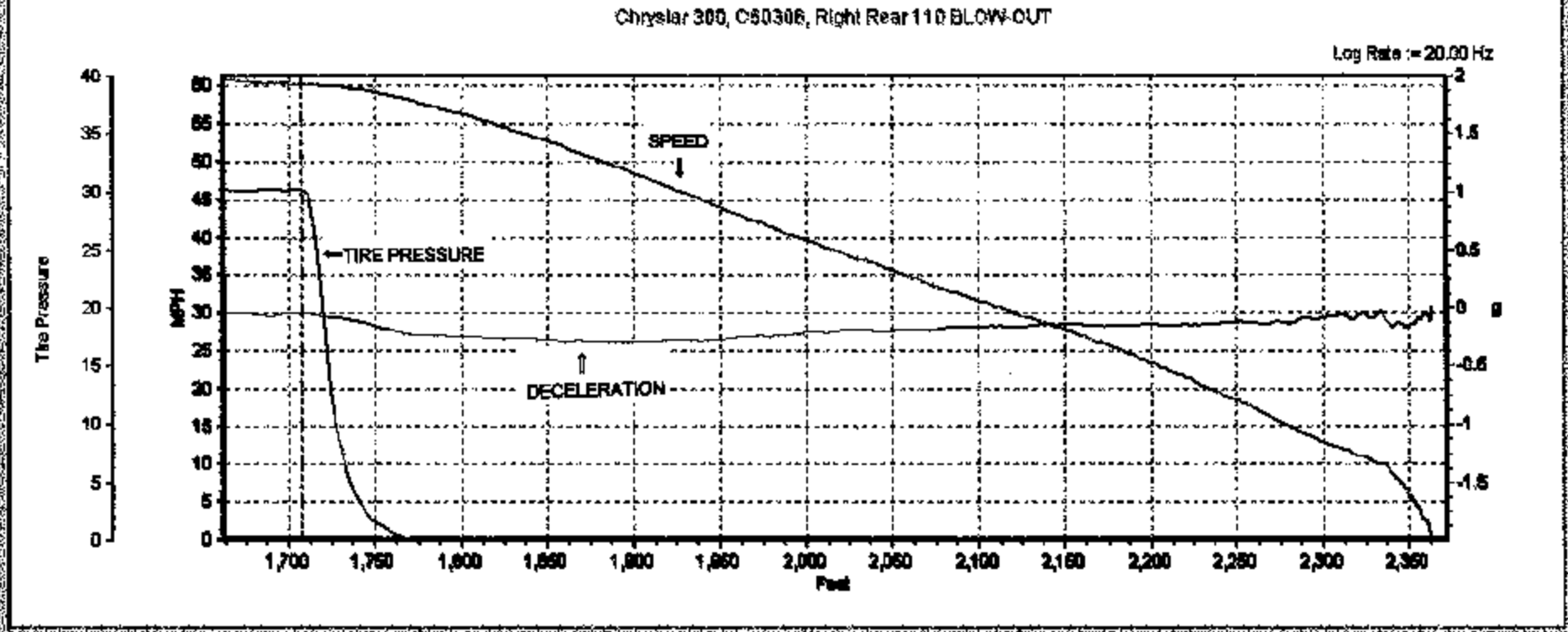


Run Time	0 minute 51.90 secs			
Cursor (secs)	32.20			
Speed (MPH)	60.06			
(°F)	82.970			
(PSI)	30.193			
Longitudinal Acceleration (g)	-0.042			
Height (Feet)	-101.112			
Vertical Velocity (MPH)	0.000			
Satellites (Number of)	9			

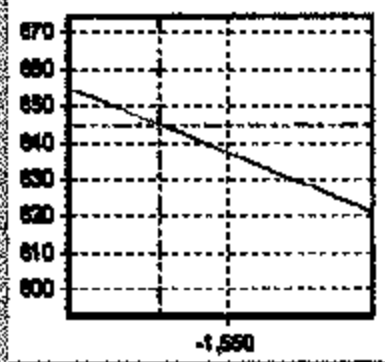


Speed Vs Distance Graph

File Edit Smoothing Graph Type Select Run Graph Properties Start/Finish Is Safe



Run Time	0 minute 51.90 secs			
Cursor (Feet)	1707.60			
Speed (MPH)	60.06			
(°F)	82.964			
(PSI)	30.183			
Longitudinal Acceleration (g)	-0.042			
Height (Feet)	-101.110			
Vertical Velocity (MPH)	0.000			
Satellites (Number of)	9			

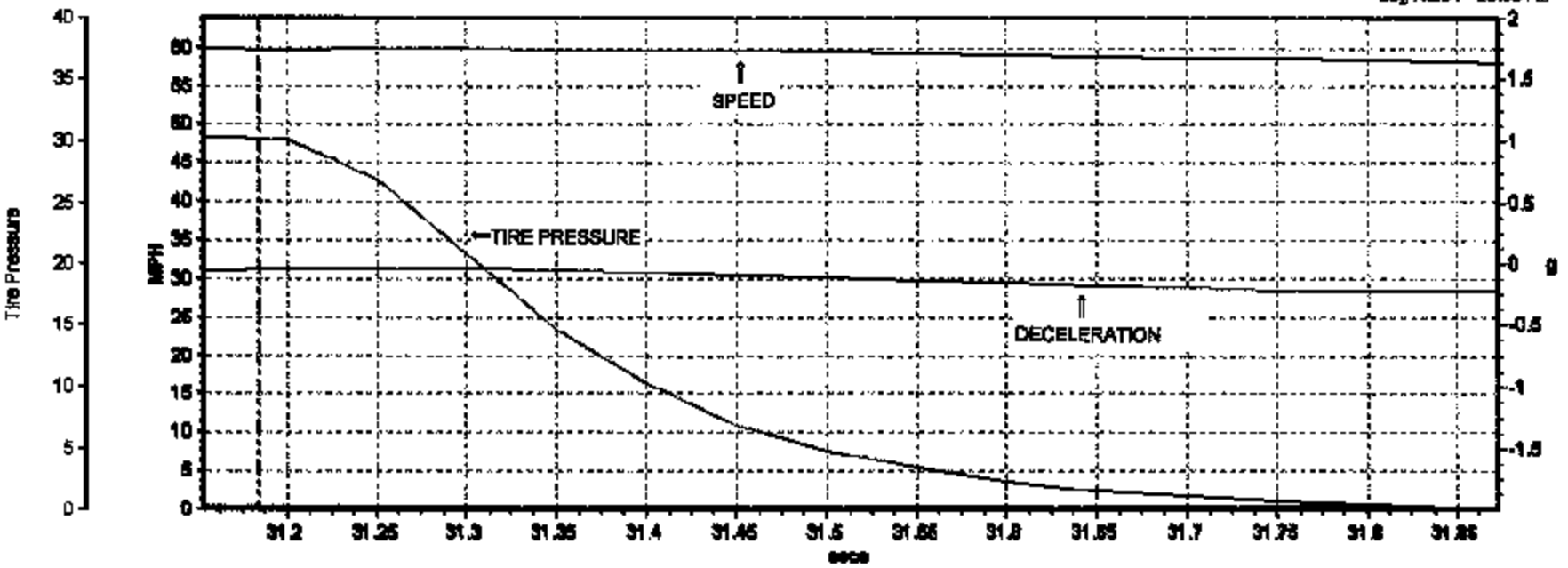


Speed Vs Time

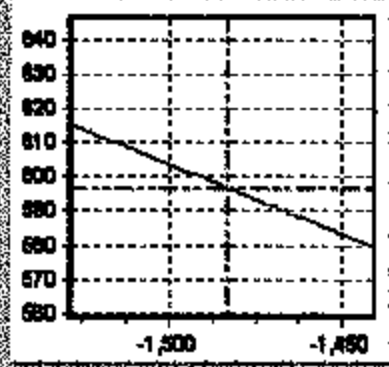
File Edit Smoothing Graph Type Select Run Graph Properties Start/Finish & Splits

Chrysler 300, 050306, Left Front 110 BLOW-OUT

Log Rate := 20.00 Hz

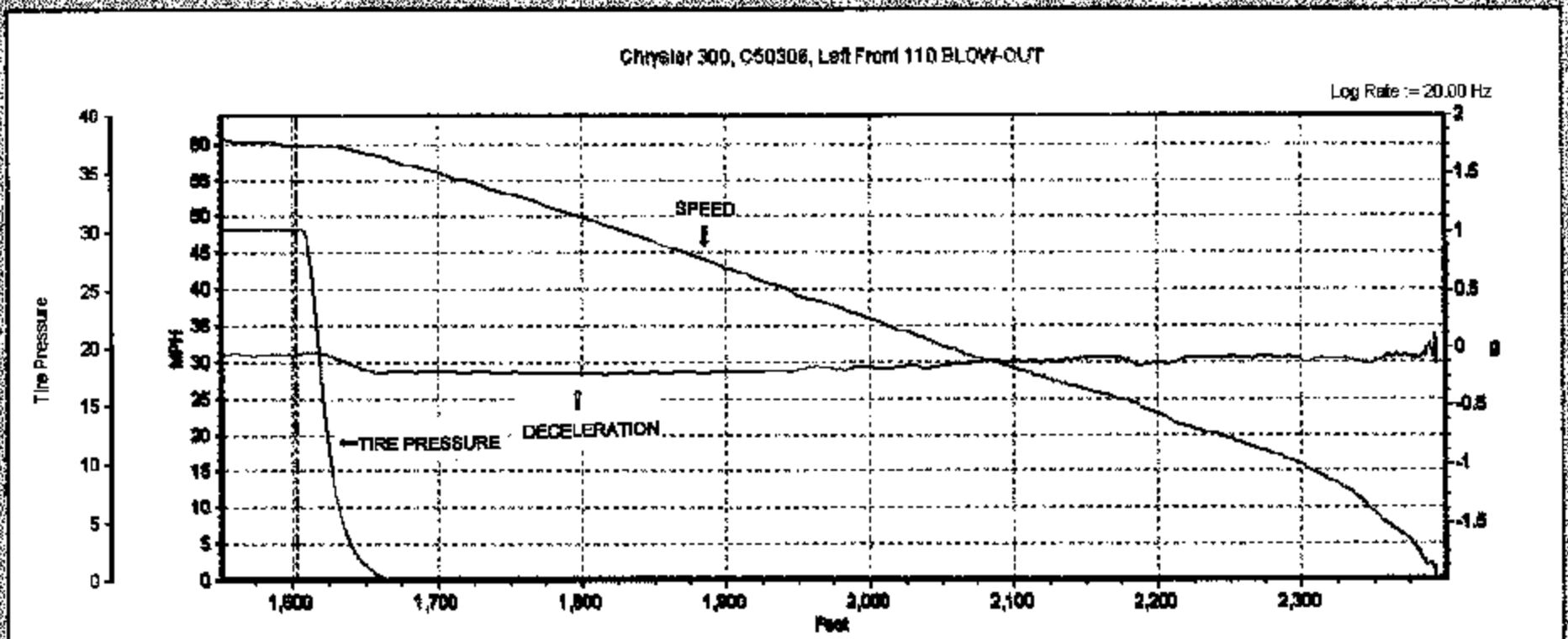


Run Time	0 Minute 58.5 secs			
Cursor (secs)	31.18			
Speed (MPH)	59.62			
(PF)	78.796			
(PSI)	30.177			
Longitudinal Acceleration (g)	-0.050			
Height (Feet)	-79.177			
Vertical Velocity (MPH)	0.000			
Satellites (Number of)	8			



Start

Speed Vs Distance Graph



Run Time	0 Minute 58.5 secs			
Cursor (Feet)	1602.74			
Speed (MPH)	59.66			
(°F)	78.674			
(PSI)	30.290			
Longitudinal Acceleration (g)	-0.055			
Height (Feet)	-79.206			
Vertical Velocity (MPH)	0.000			
Satellites (Number of)	8