

EA02-025

TEXAS INSTRUMENTS, INC.'S

09/10/03

LETTER TO ODI

REQUEST # 5

BOX 6

PART A-M

PART A

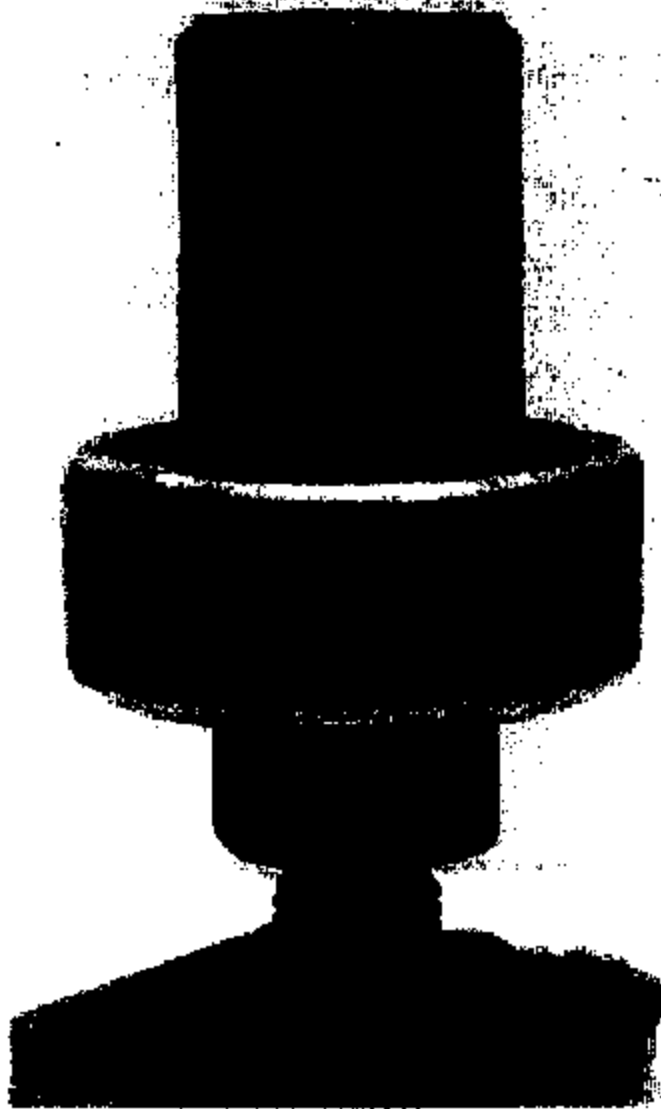
EA02-023
TEXAS INSTRUMENTS, INC.'S

Response to NHTSA Request No. 5

TI-NHTSA 008265.A

77PS Return Analysis

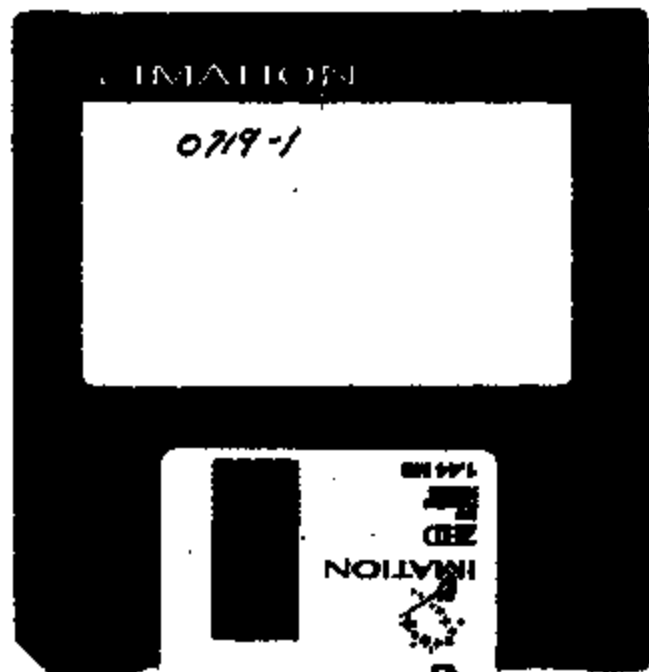
0718-⁺ device lots

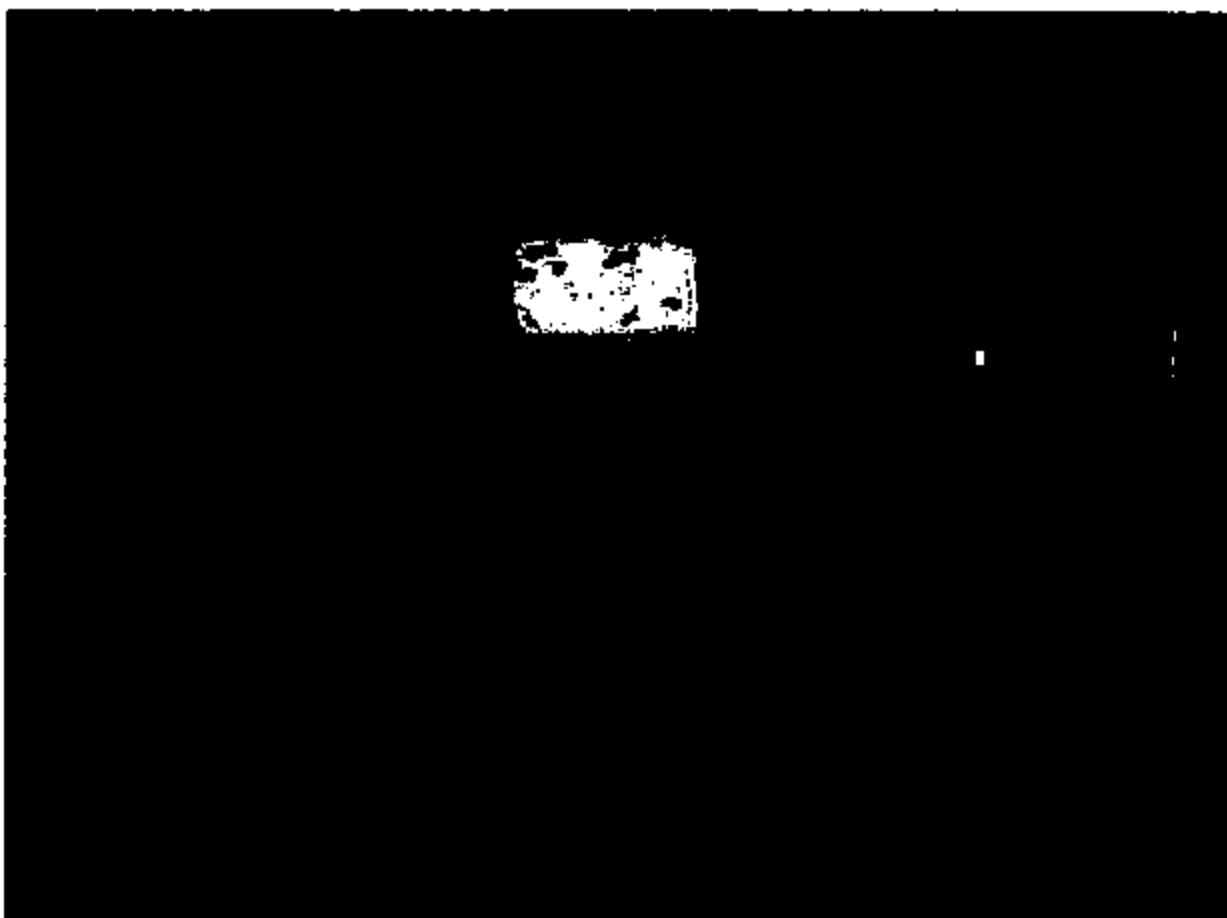


Engineer:
Bryan Dague (unless otherwise noted)

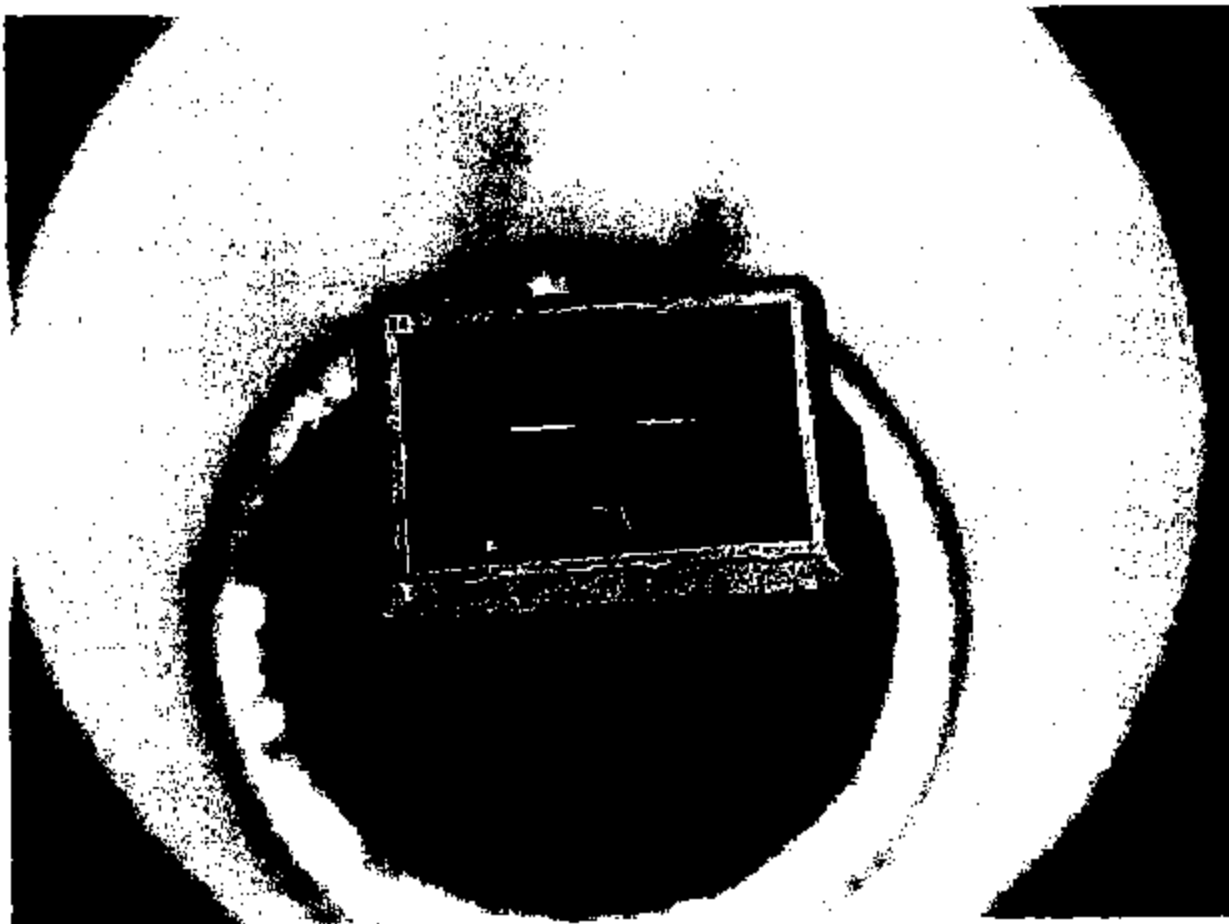
Technician:
Patrick Miranda (unless otherwise noted)

TI-NHTSA 8266

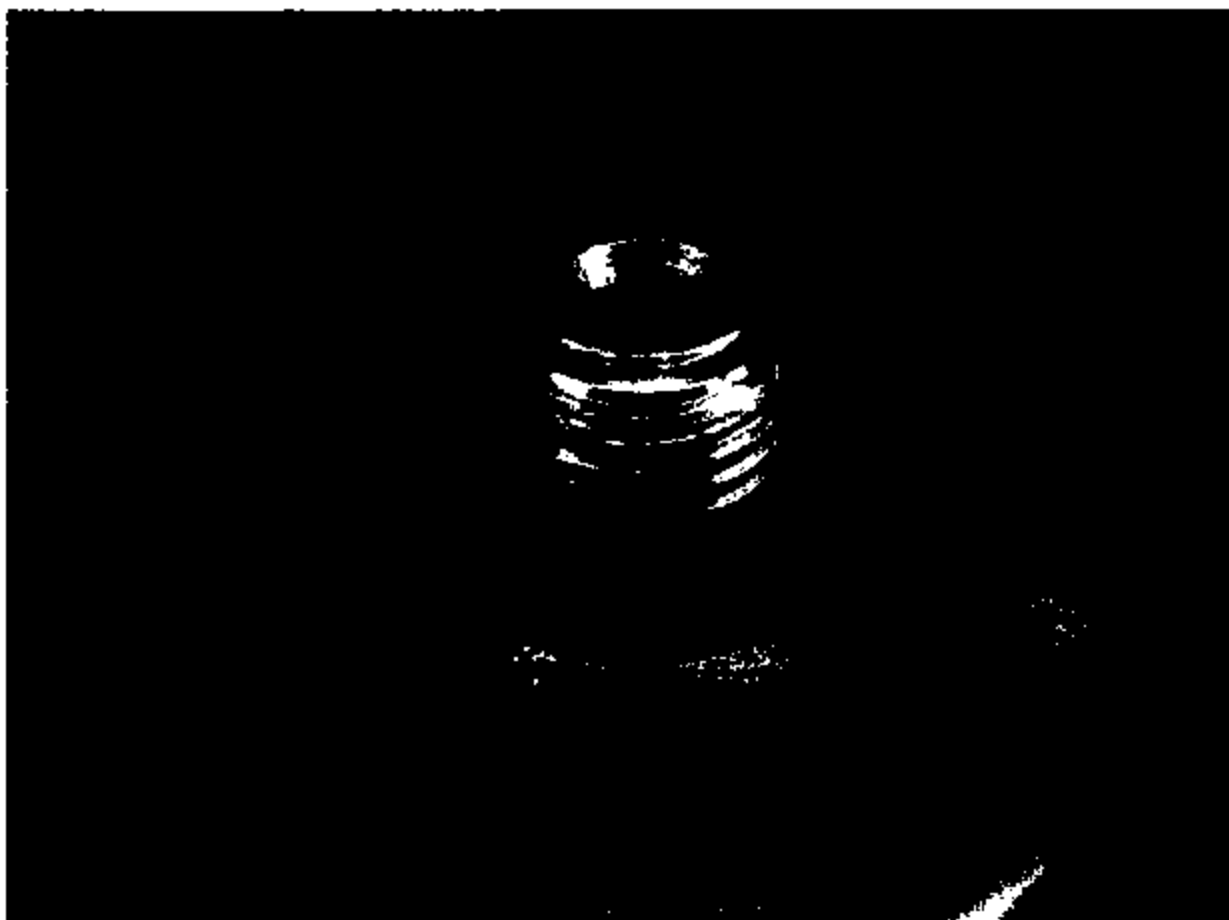




TI-NHTSA 8268



TI-NHTSA 8269



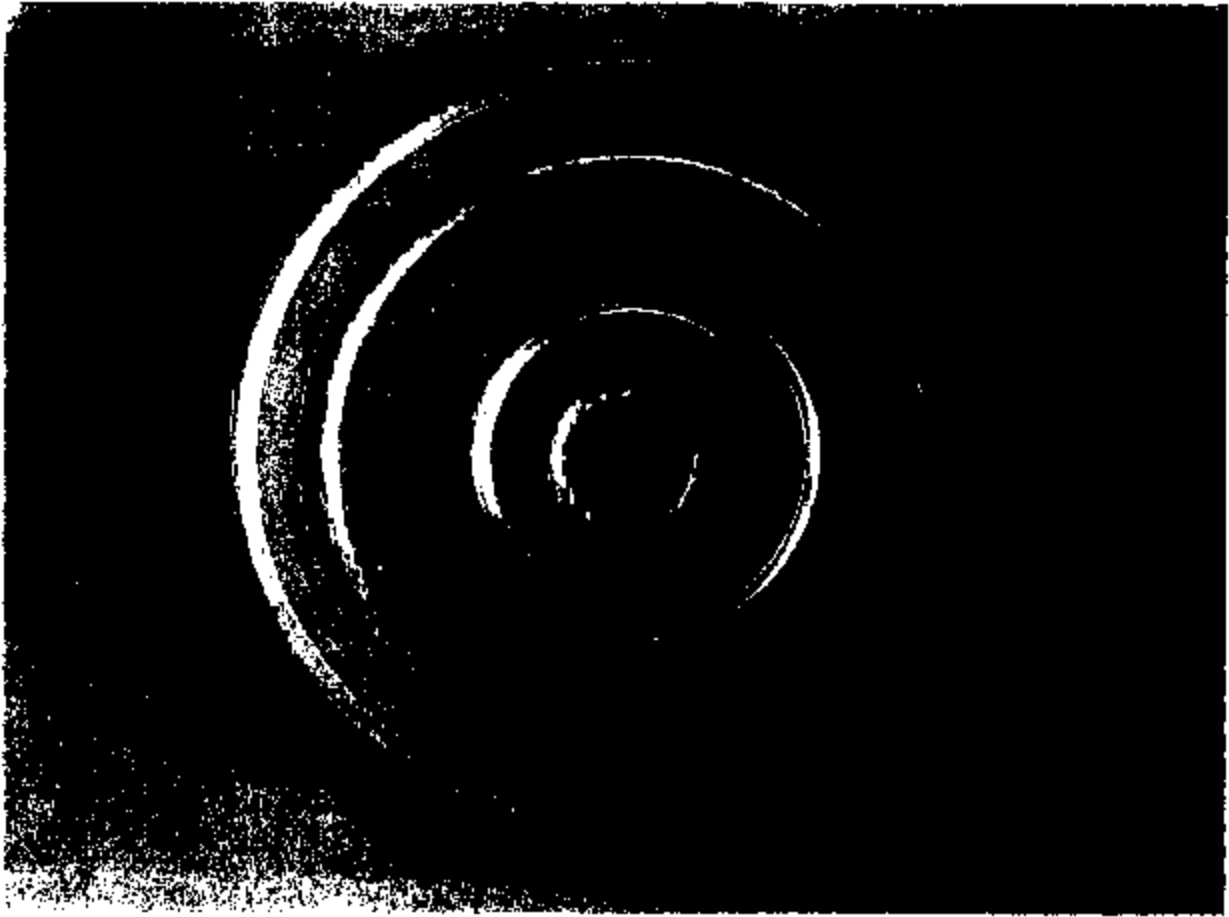
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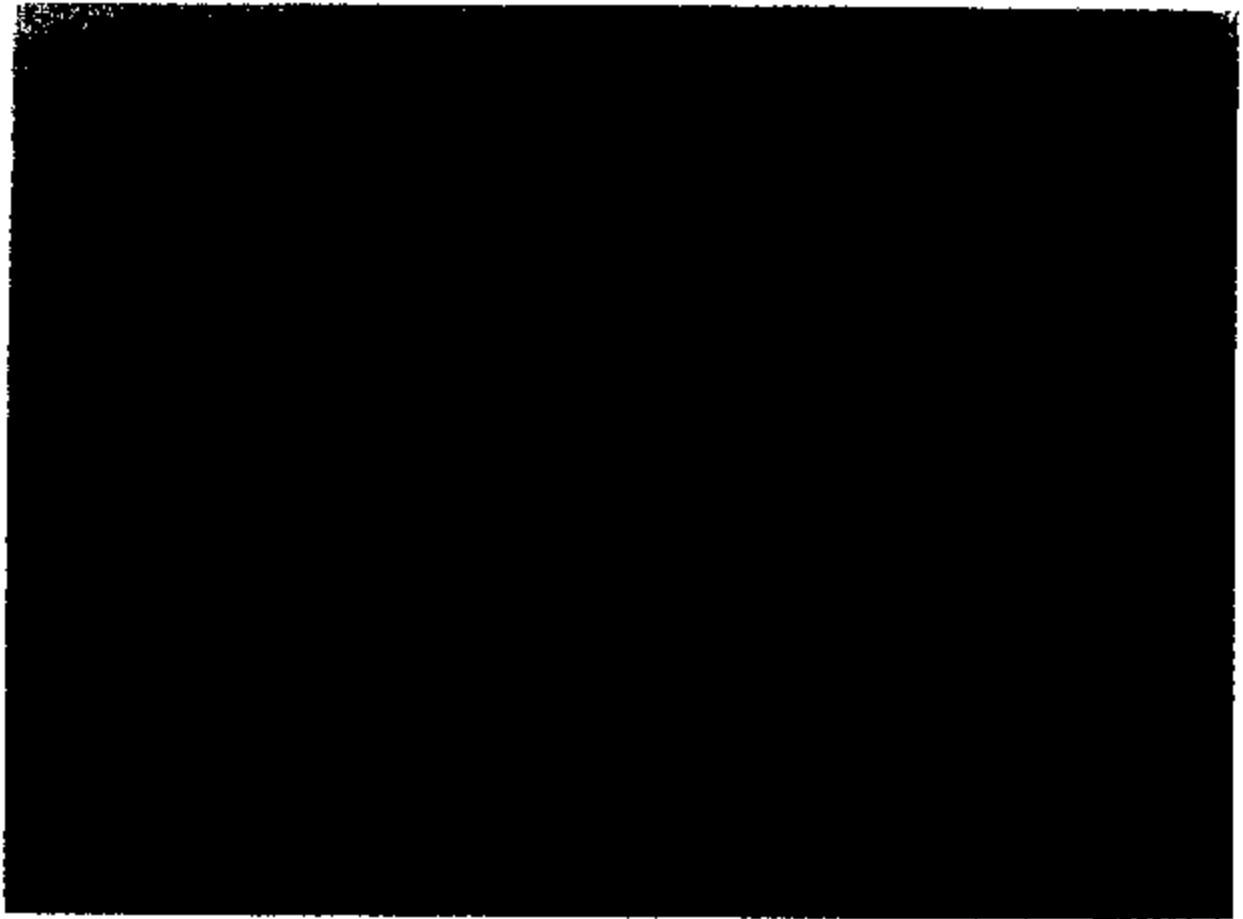
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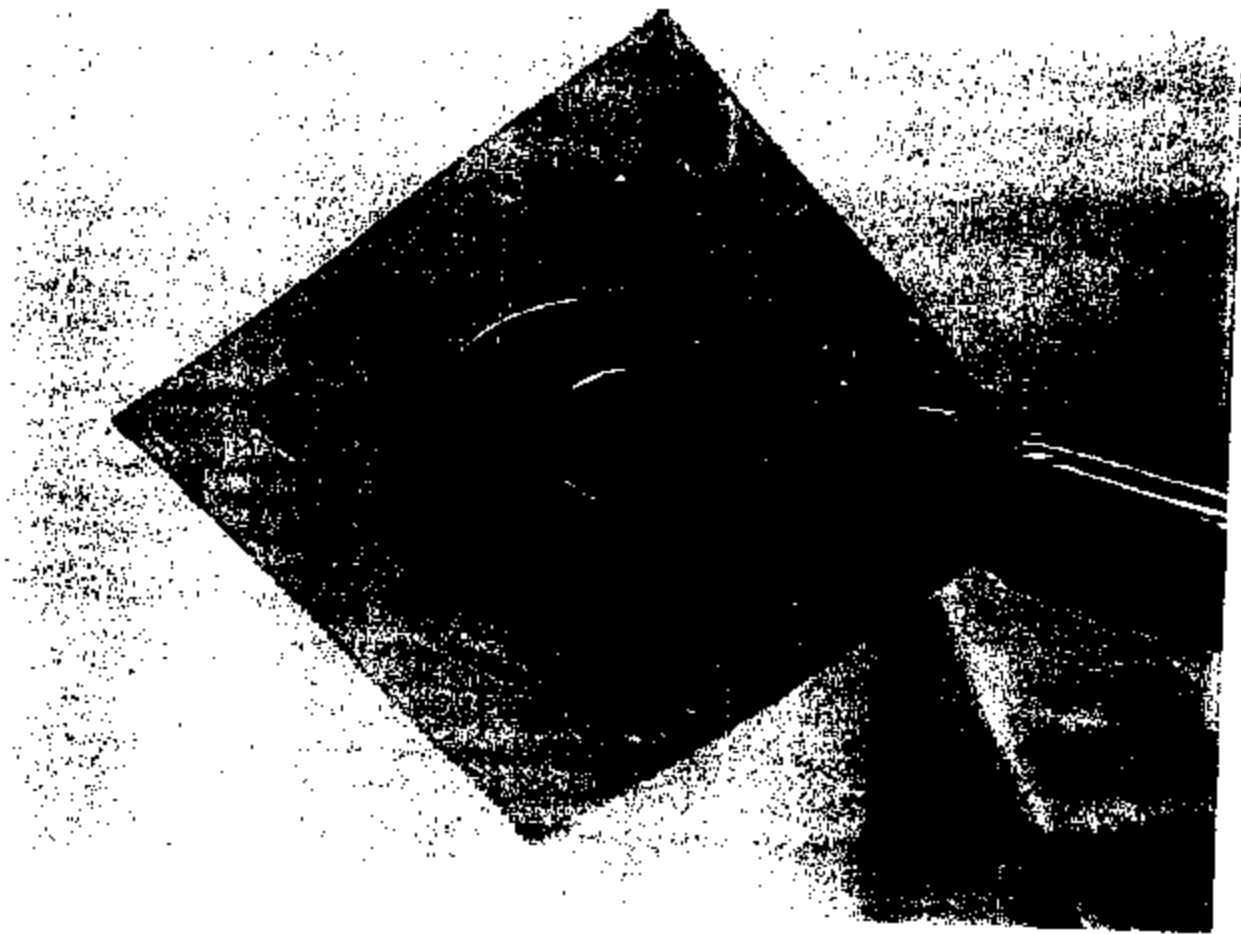
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TI-NHTSA 8281



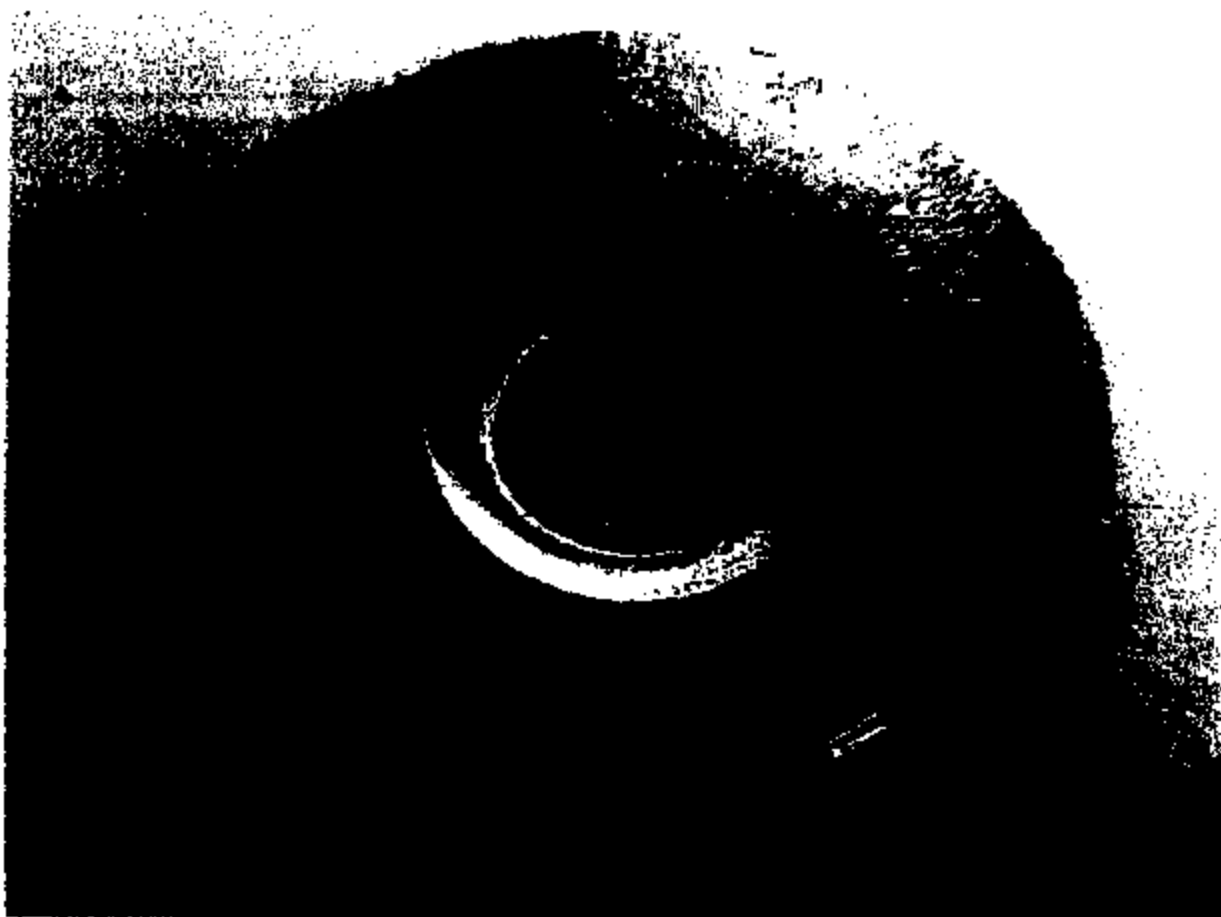
TI-NHTSA B282



TI-NHTSA 8283



TI-NHTSA 8284



TI-NHTSA 8285

77PSL2-1 Return Analysis Sheet

Device ID: 8219-1 Date: 7-19-99 Prod Part # AB

Operator's Name: _____ Ser Date Code: 1342 Technician: BJT

1 Visual Inspection

General condition of Switch: Good
 Signs of leakage into connector? No
 Mating connector seal? Good Silicone
 compression? Yes
 Wire Harness returned? Yes
 Wire insulation compression? No

Bad
Yes

2 Current draw:

Terminal to Terminal? 0.00 Ohms
 Terminal to Neaport? 0.0 mA 14 Vdc supply Current limited to 10 amps.

3 Open Crimp Ring

4 Visual Inspection

Connector Leak? No Yes
 Component wear? None Medium Heavy
 HF leak? No Yes
 Environment seal condition? Good Bad
 If seal bad, Why?
 Corrosion? Yes No
 Pictures

5 Leak Test Sensor Asm.

Pass Fail

6 Open Cup Crimp

7 Diaphragm Inspection

	Nearest Fluid			Middle			Nearest Converter		
	Fluid	#1	Converter	Fluid	#2	Converter	Fluid	#3	Converter
Teflon breach	N	Kapton	Teflon	N	Kapton	Teflon	N	Kapton	Teflon
Teflon cracks	Y		Y	N		N	N		N
Teflon contamination	Y		Y	N		N	Y		N
Kapton cracks		N			N			N	
Strain pattern		Y	Y		N			Y	
Wear particles/decoloration	N	N	N	N	N	N	N	N	Y

8 Gasket Inspection

Present? Yes No
 Sealing material? Yes No
 Gasket thickness: 0.0277 inches
0.0312 inches
0.0313 inches

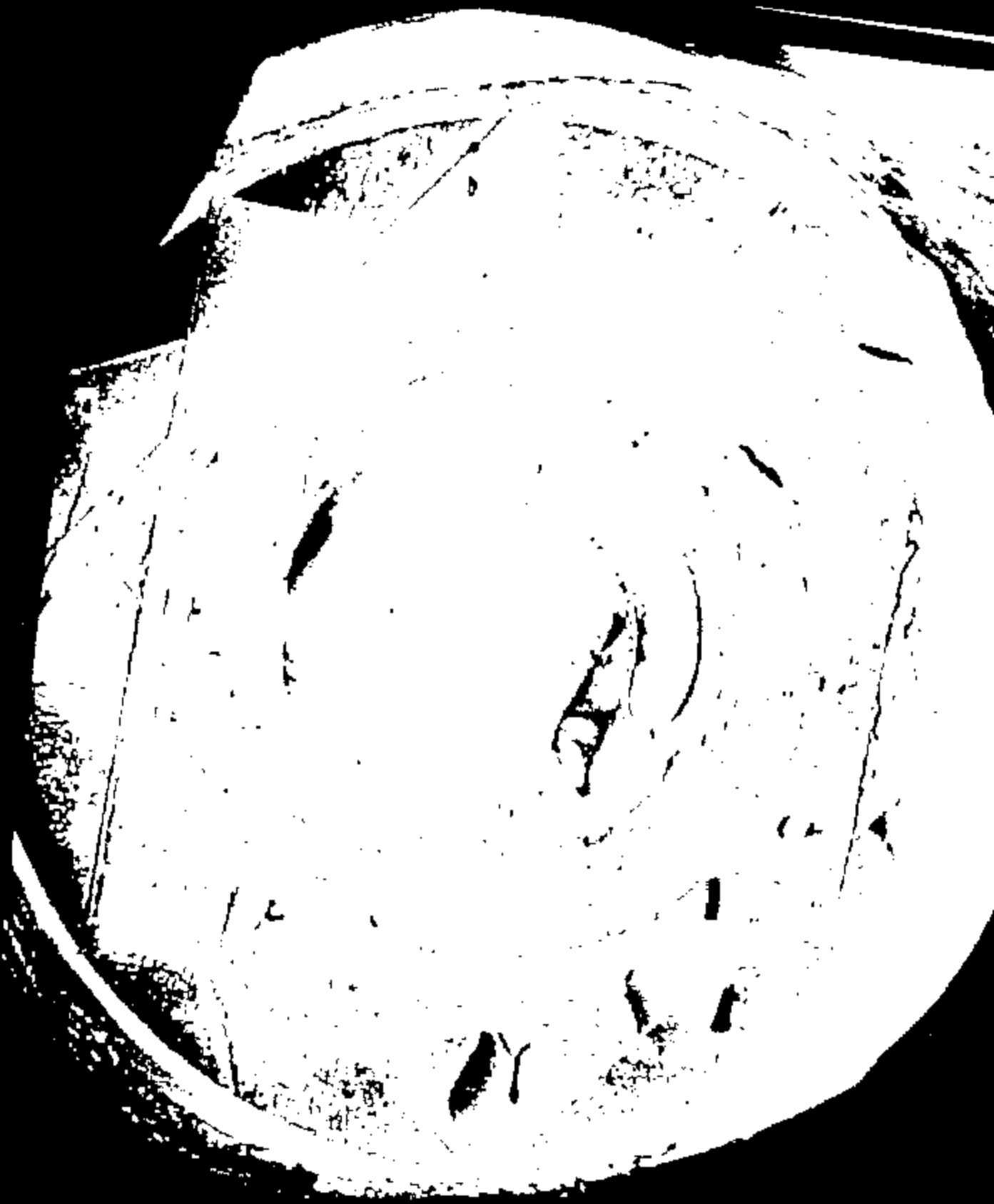
9 Package and Store

10 Analysis Summary: NTF Issue Discovered

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TI-NHTSA 8287



TI-NHTSA 8288

44 3



TI-NHTSA 8289

48. 1



TI-NHTSA 8290



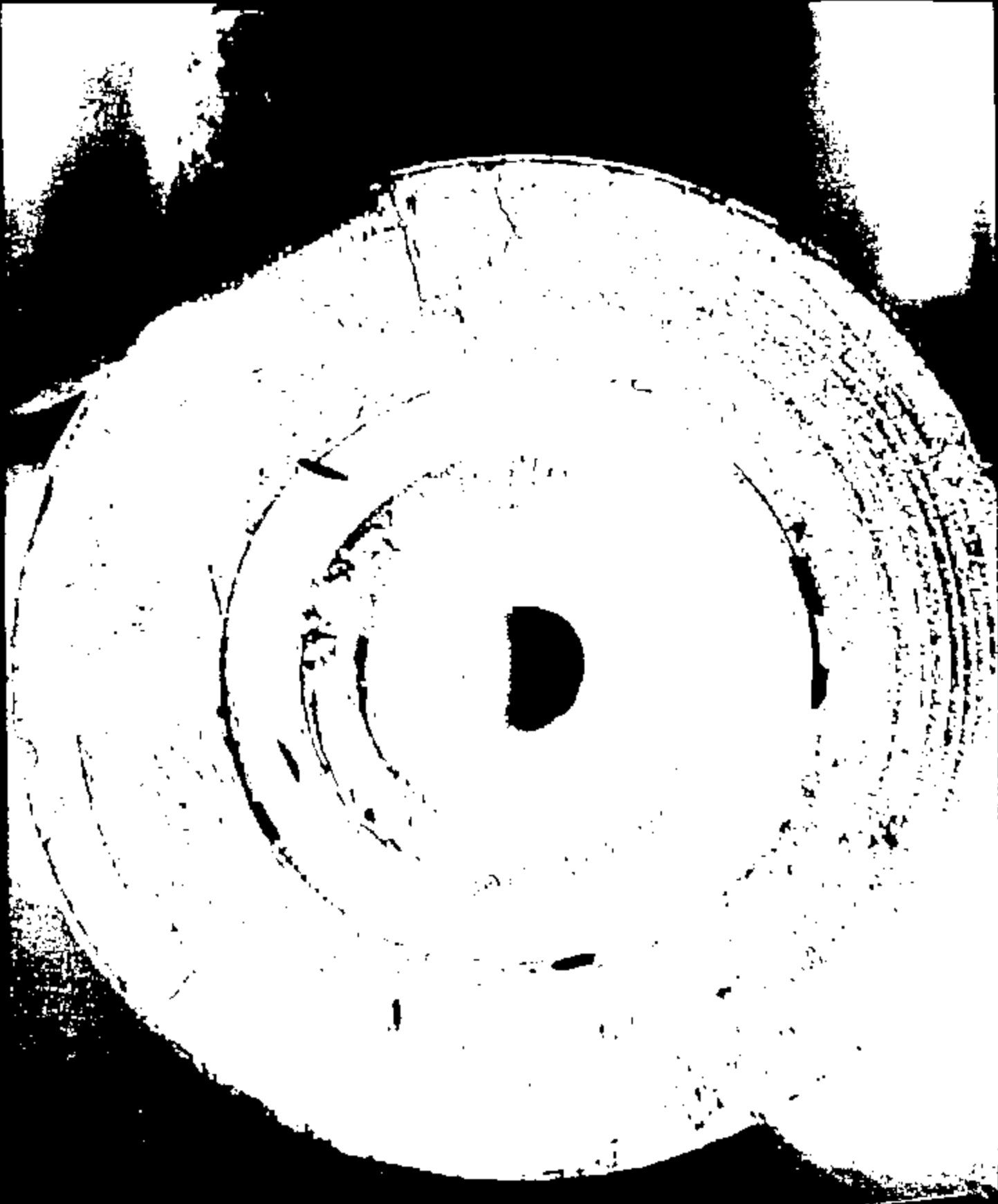
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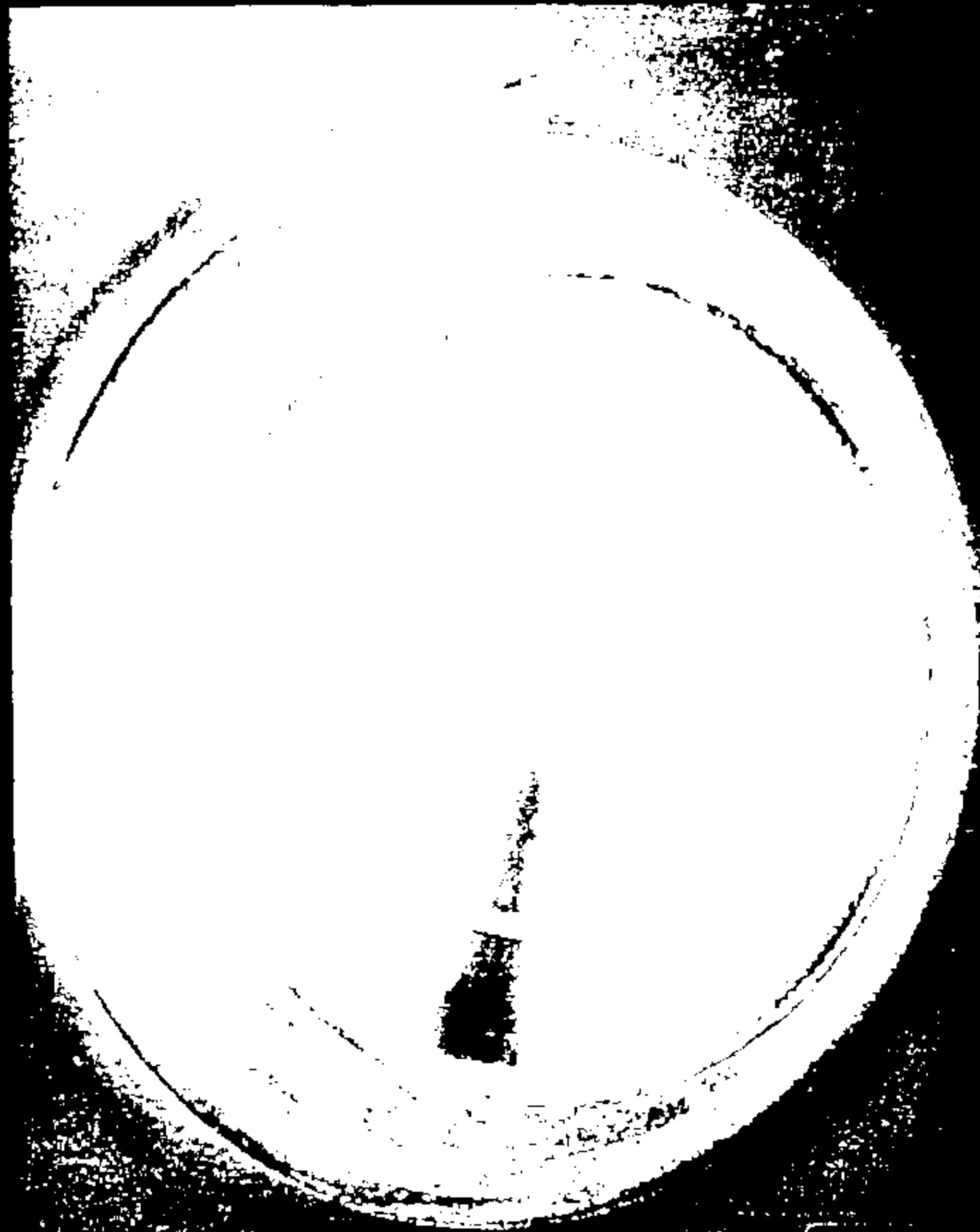
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TI-NHTSA 8294



TI-NHTSA 8295

TI-NHTSA B296



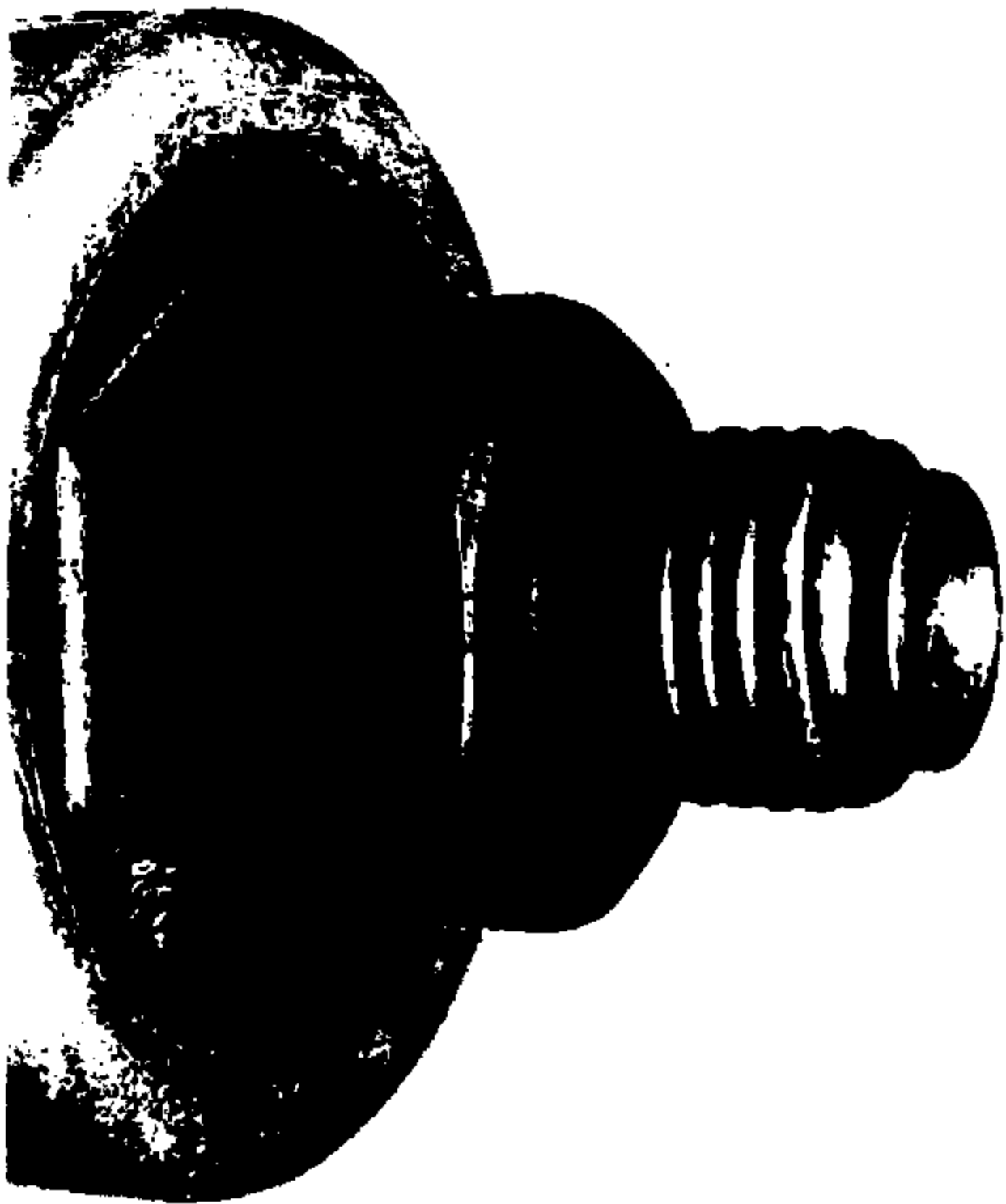
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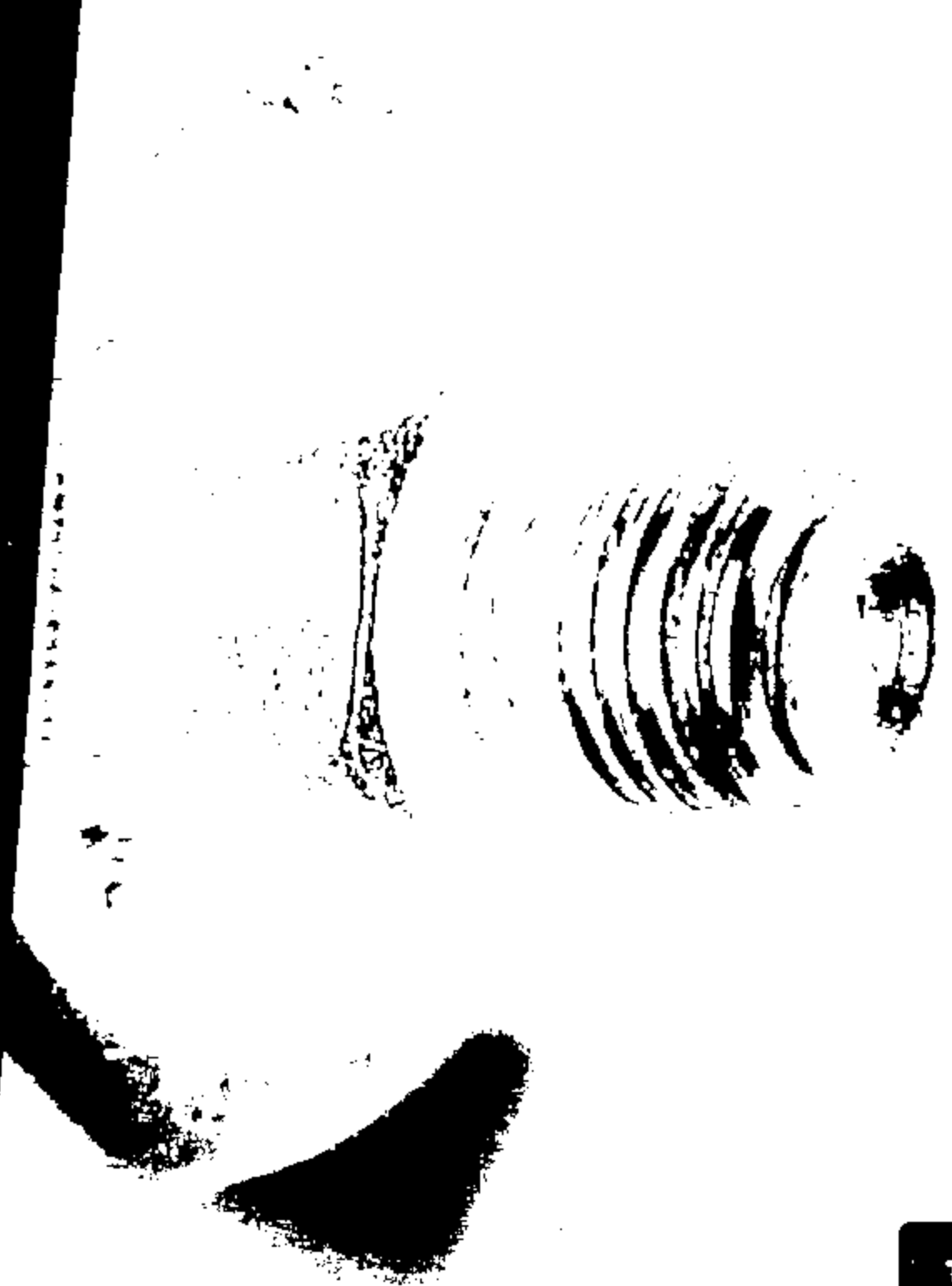
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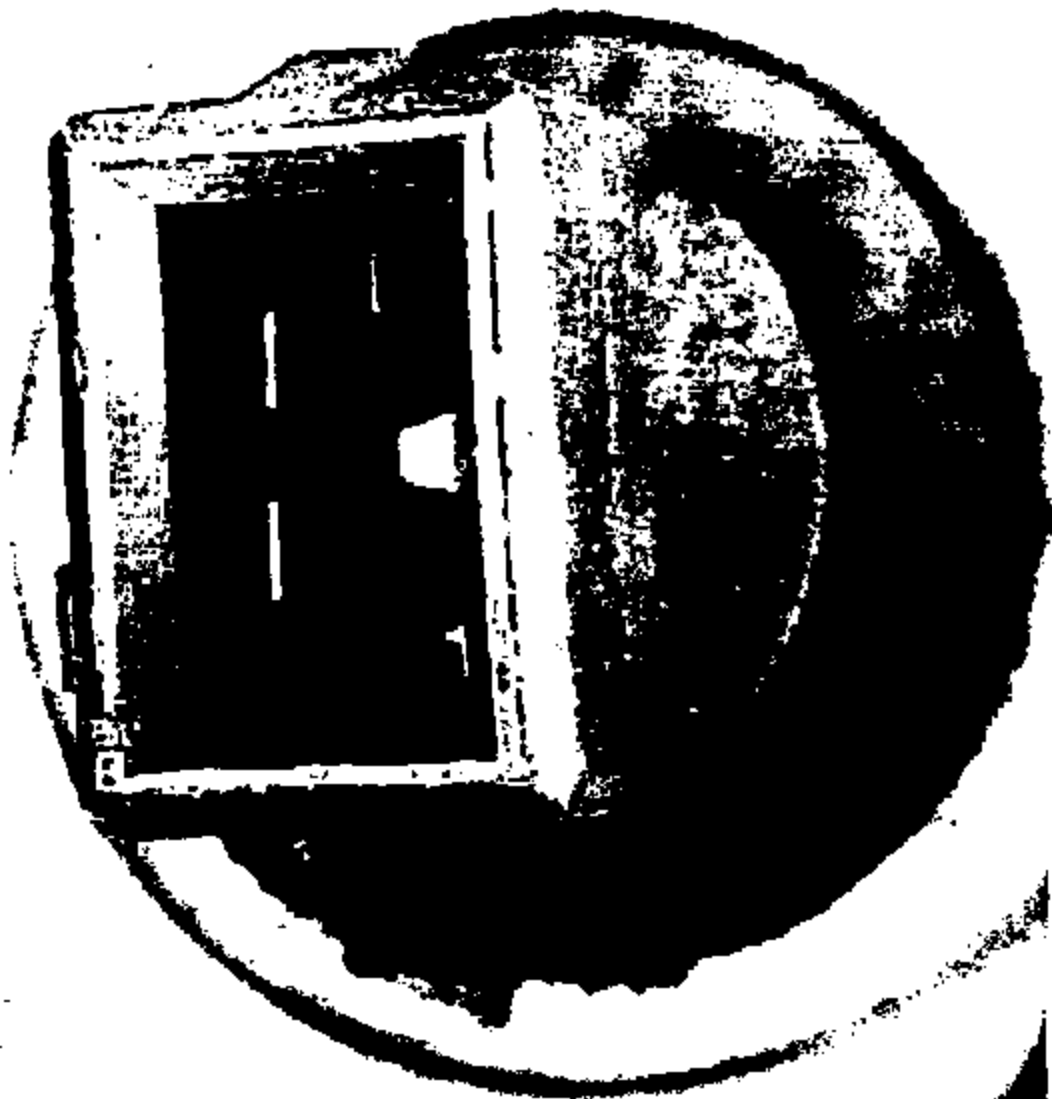
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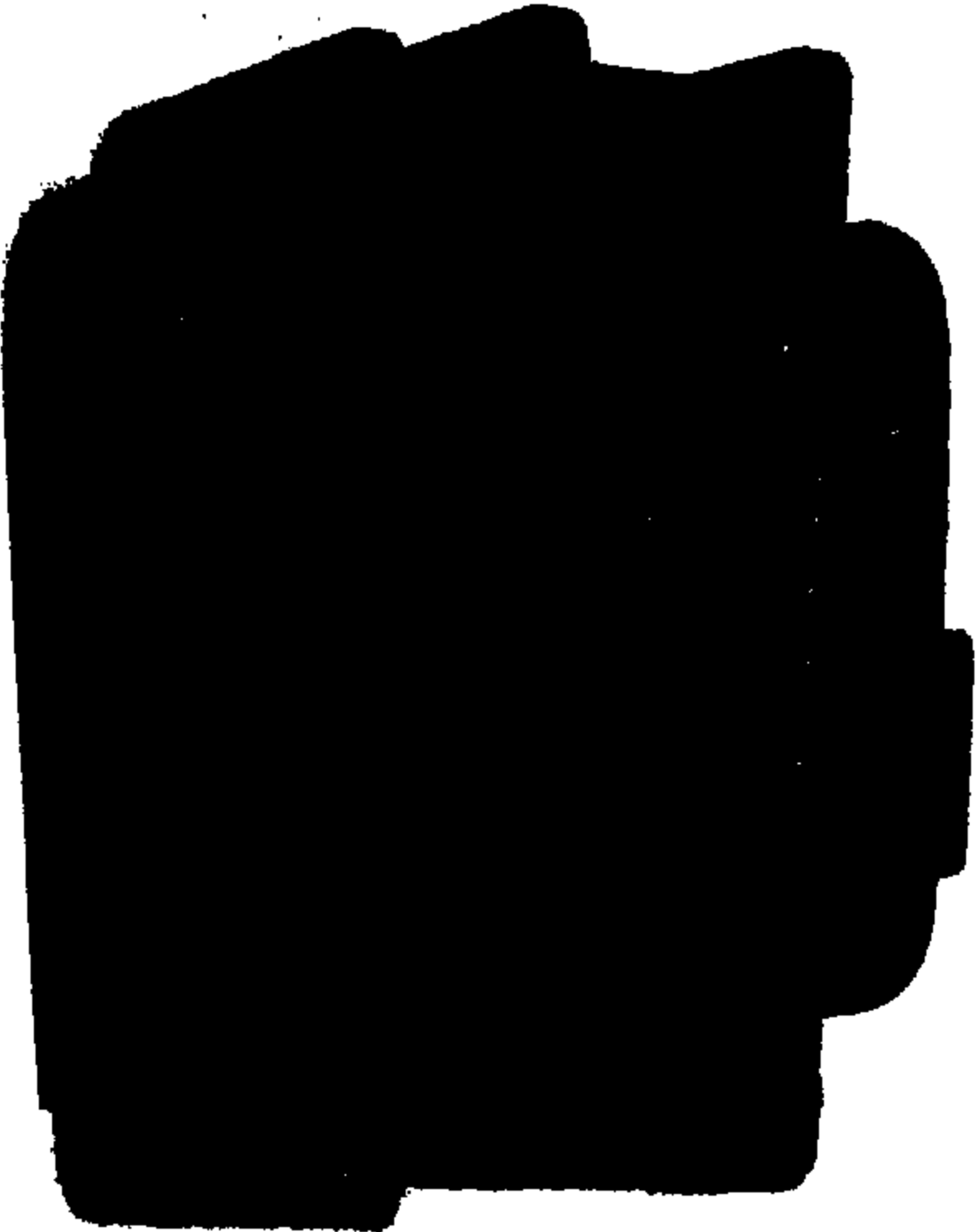
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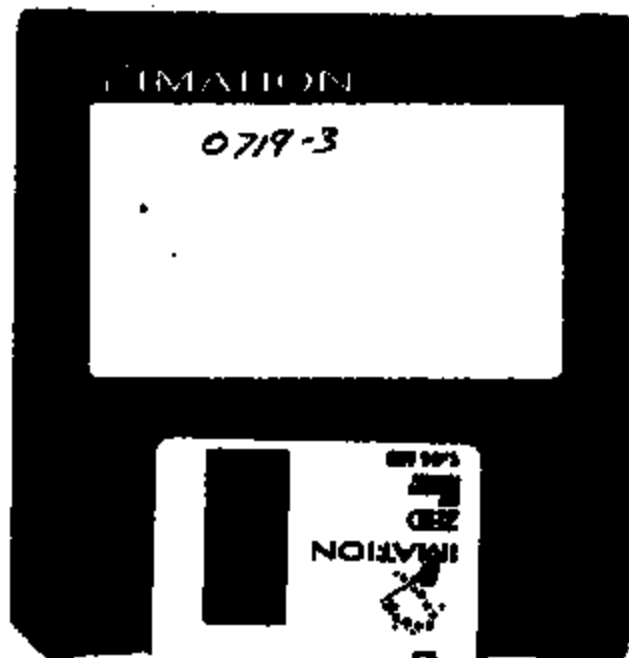
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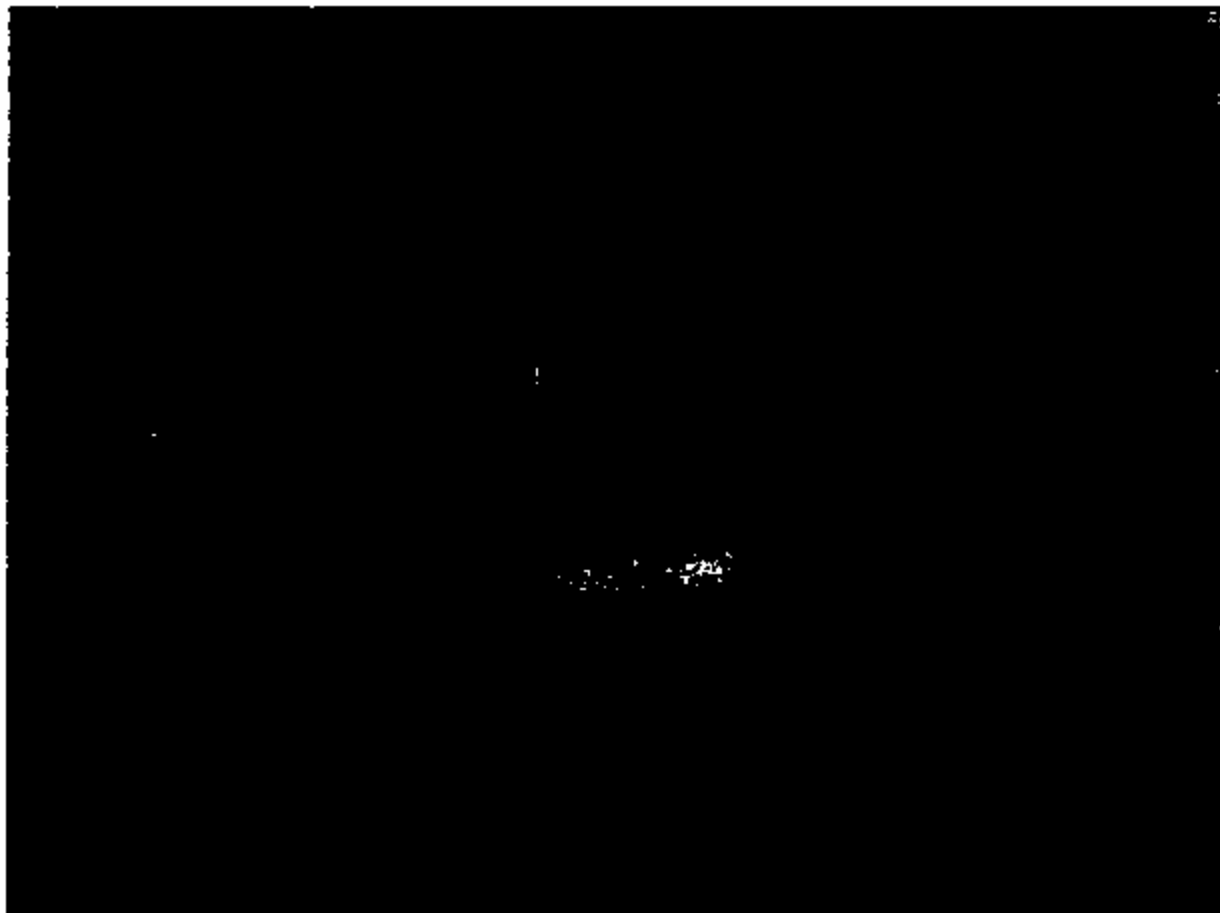


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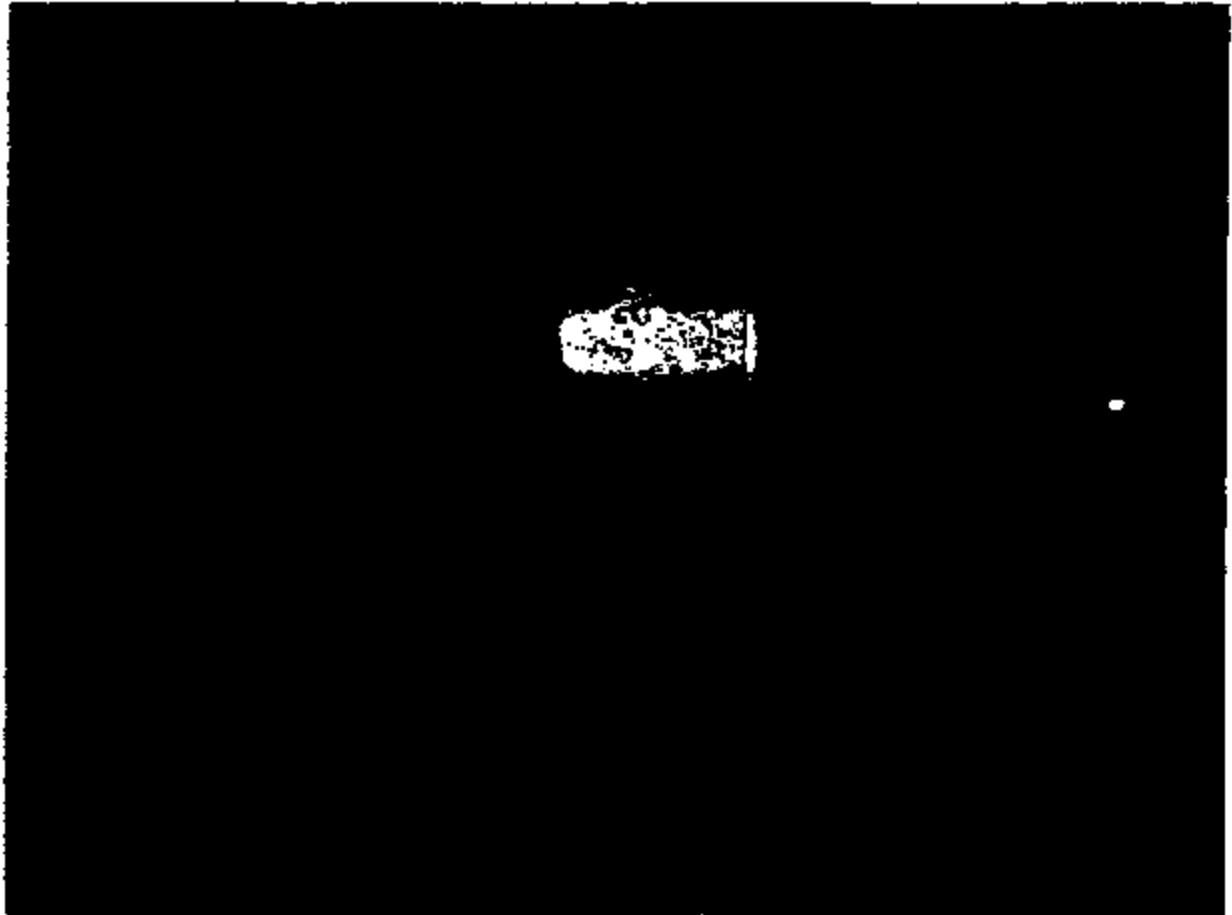
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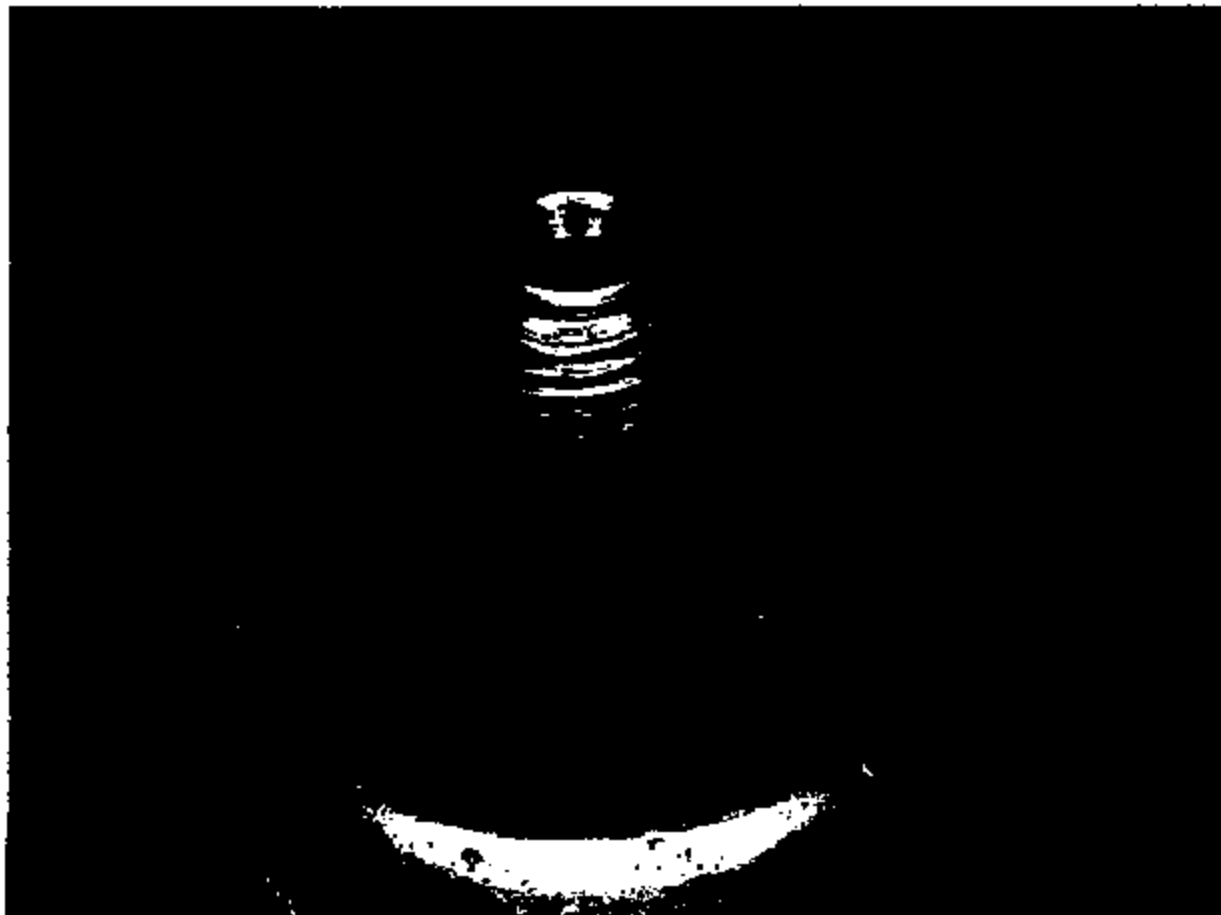
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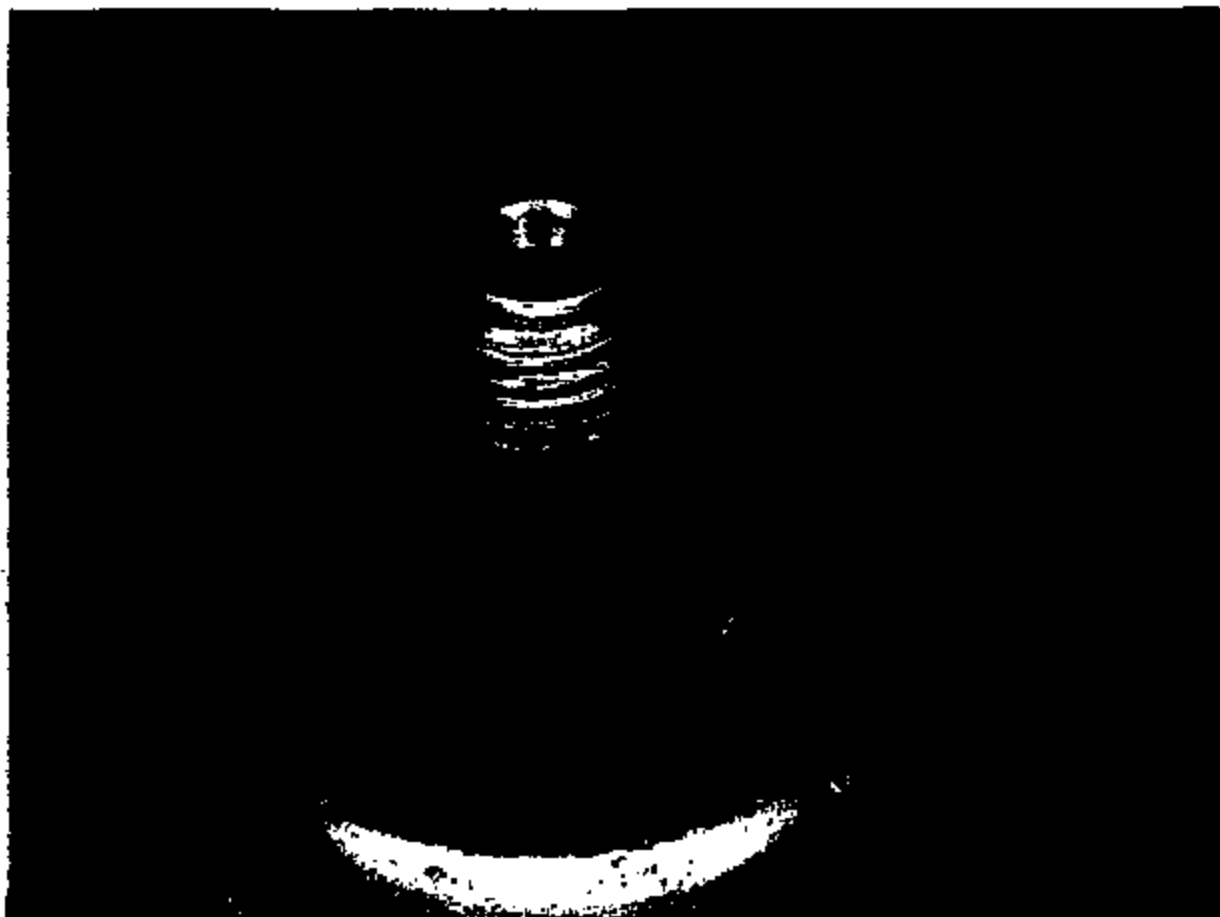
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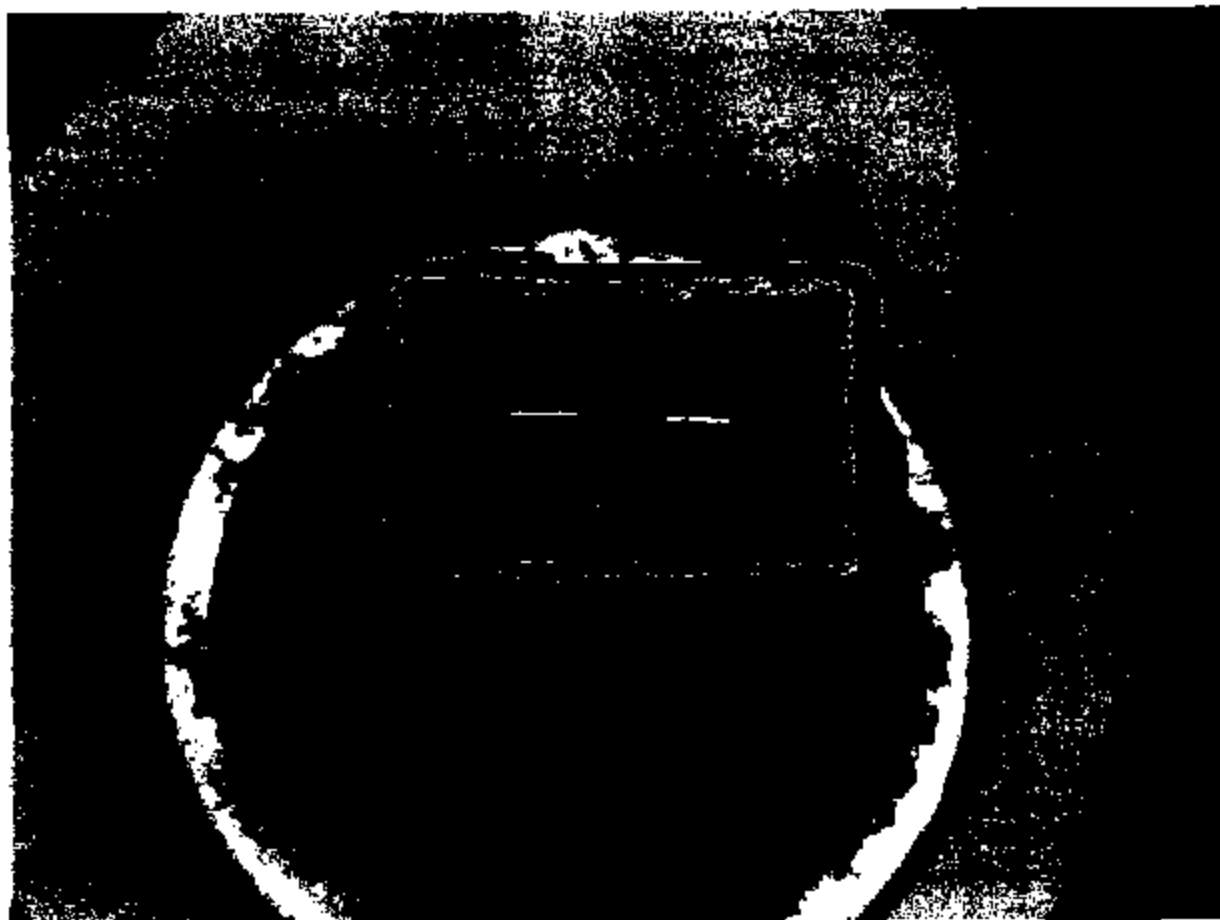
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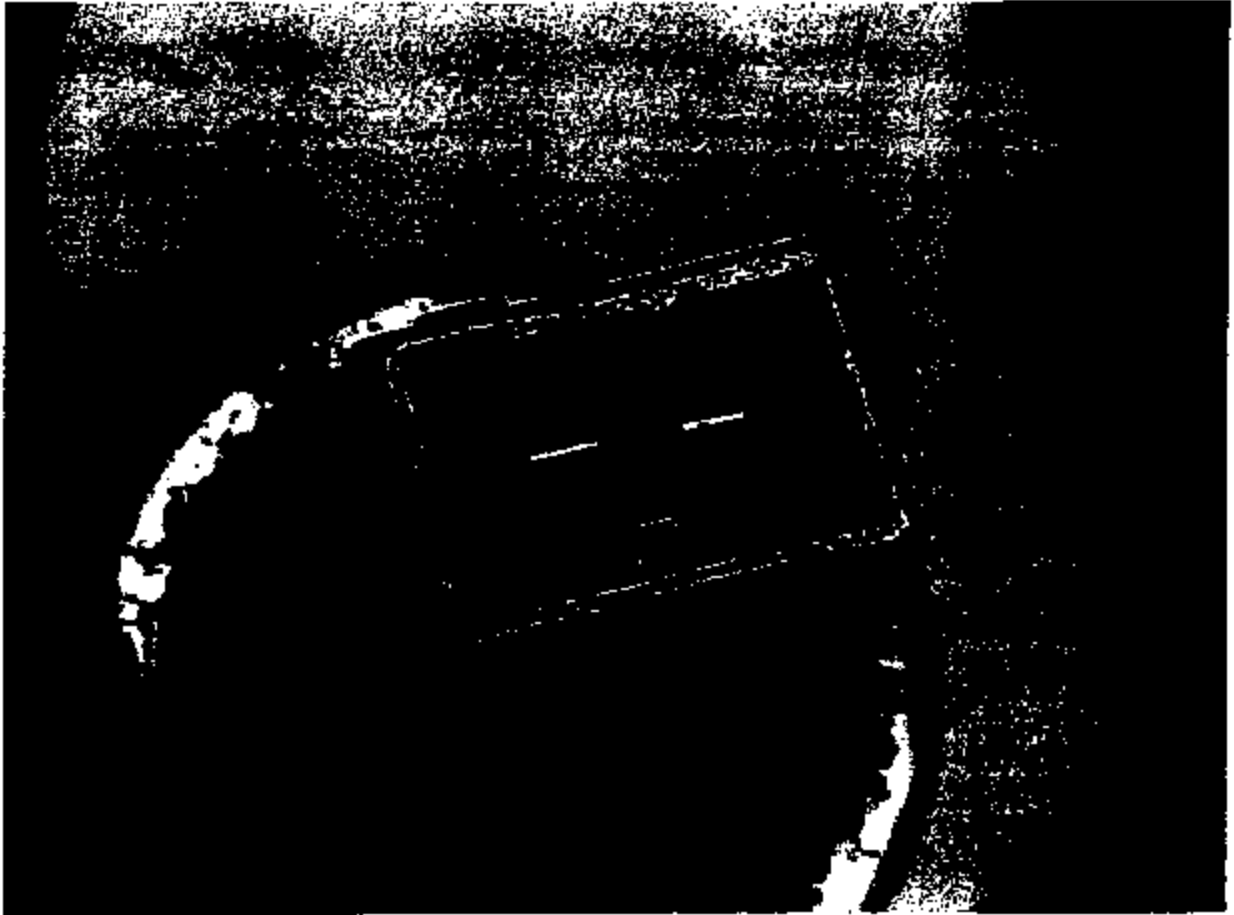
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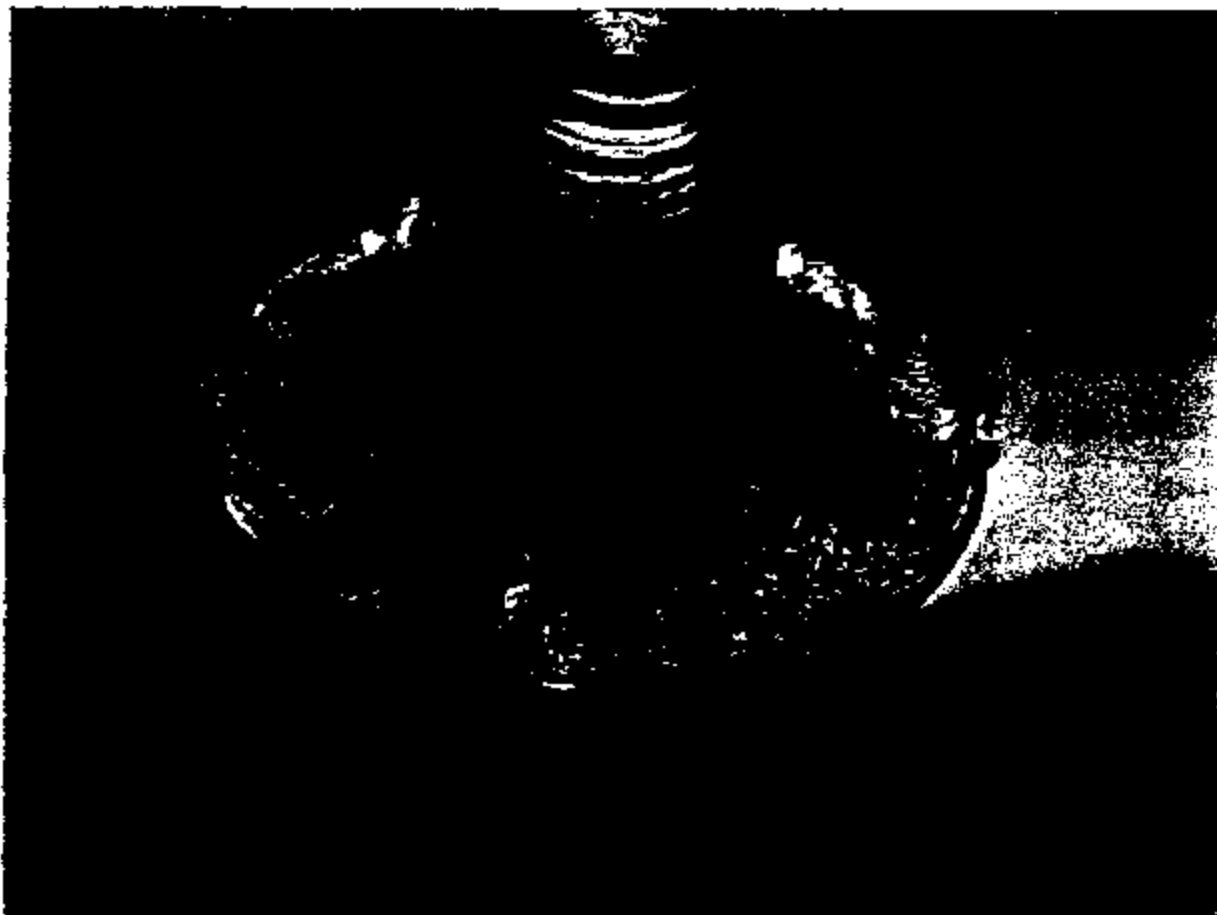
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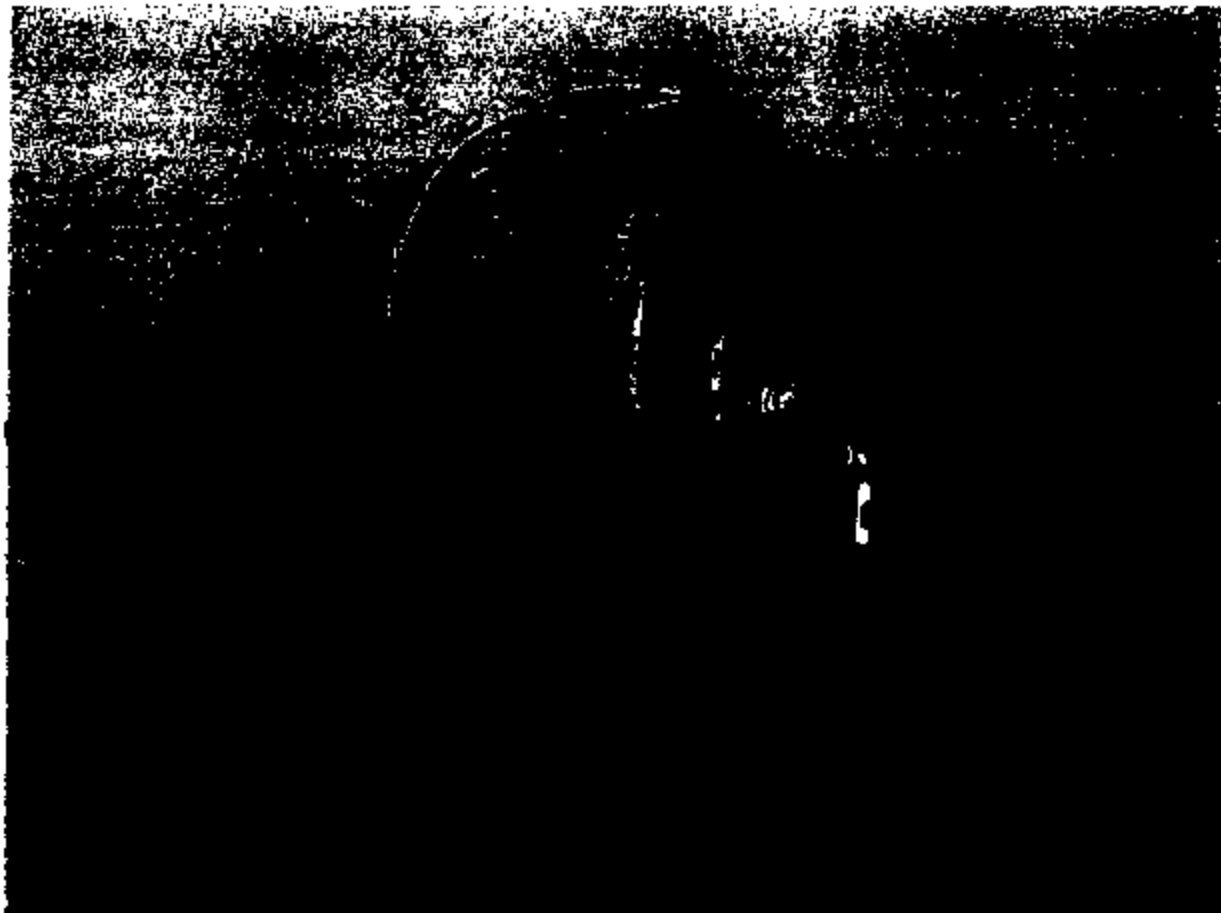


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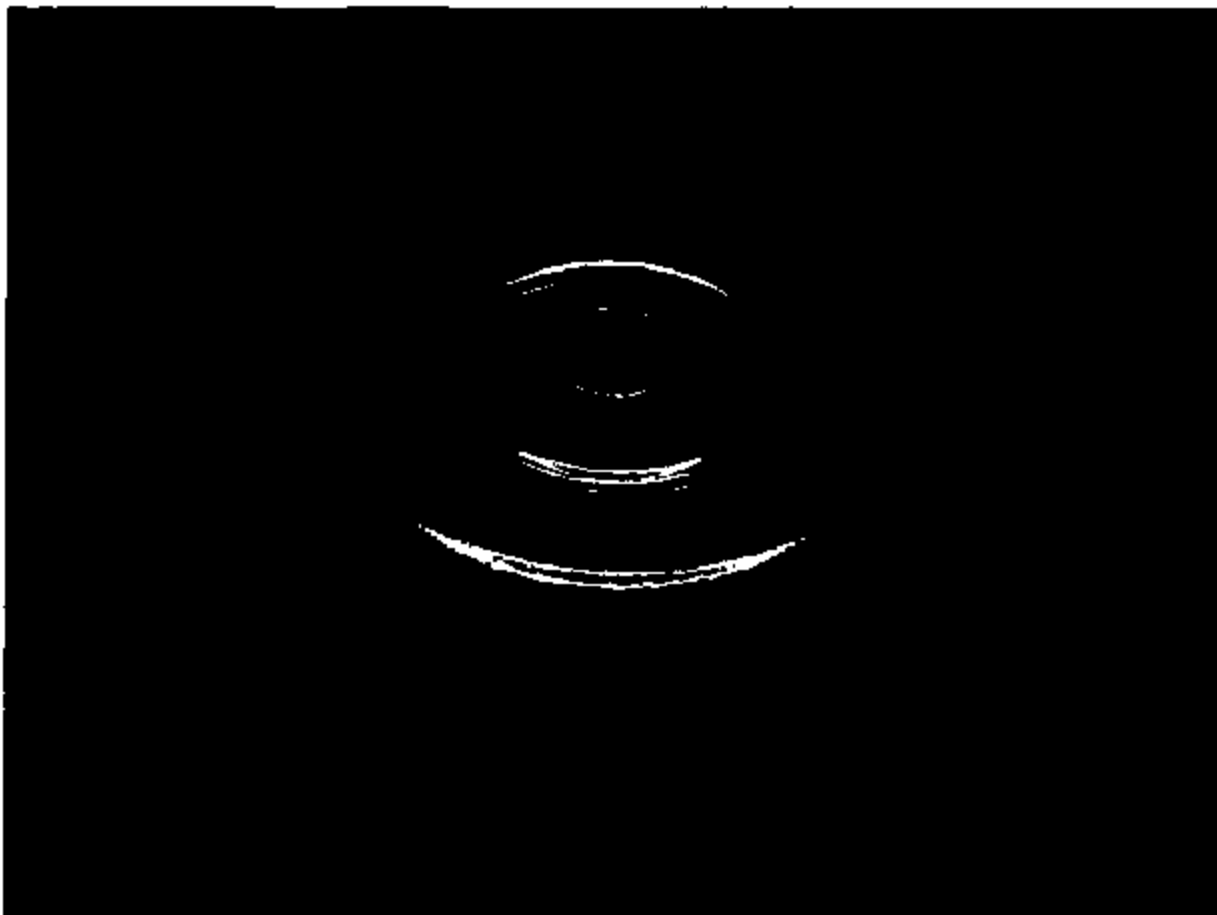


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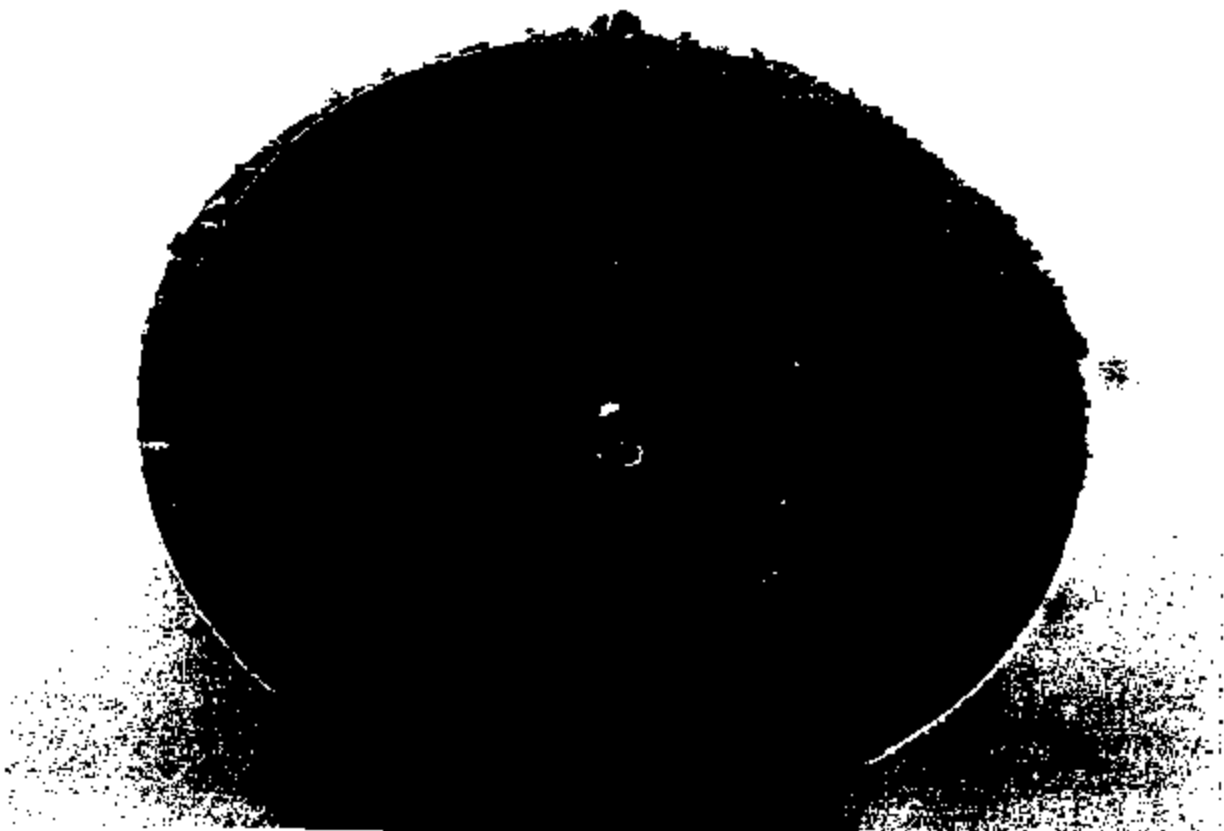




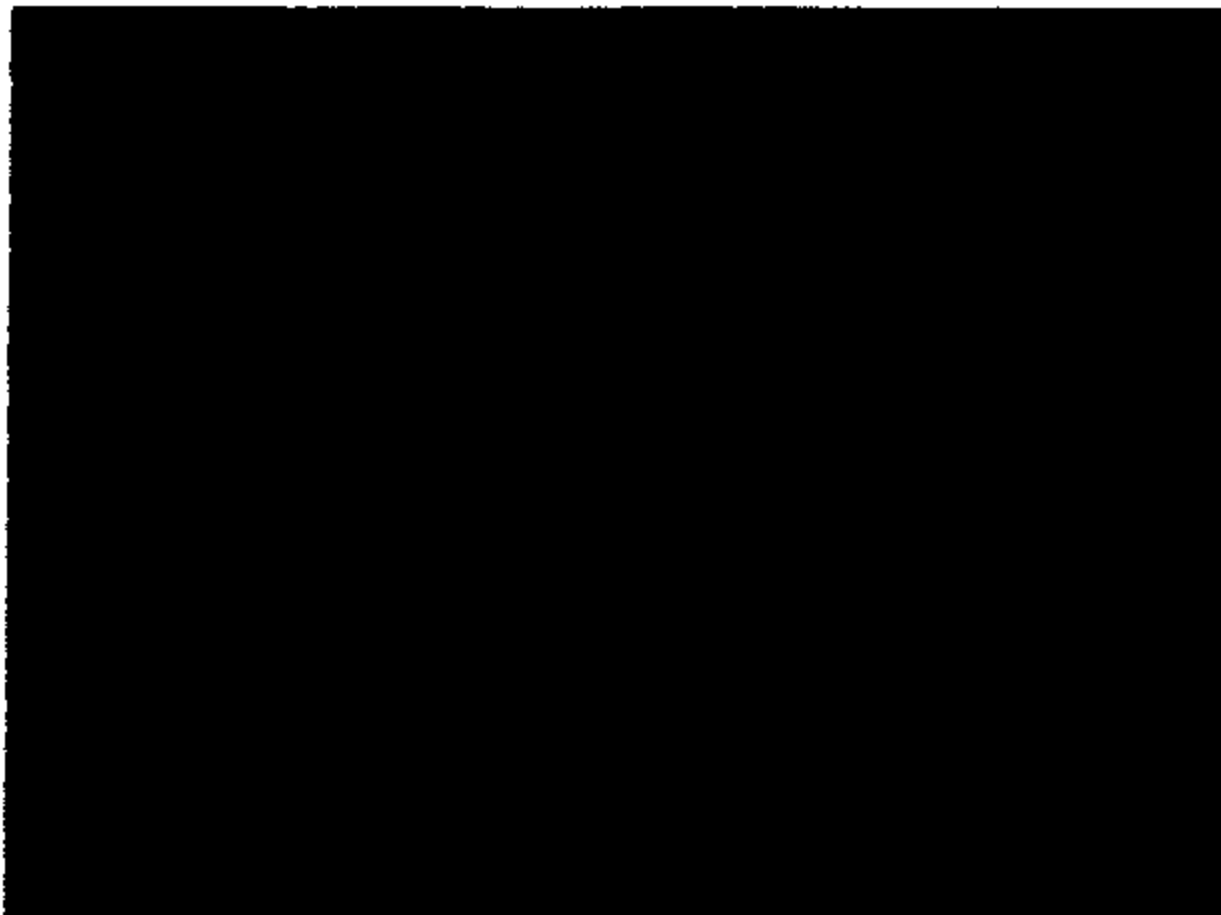
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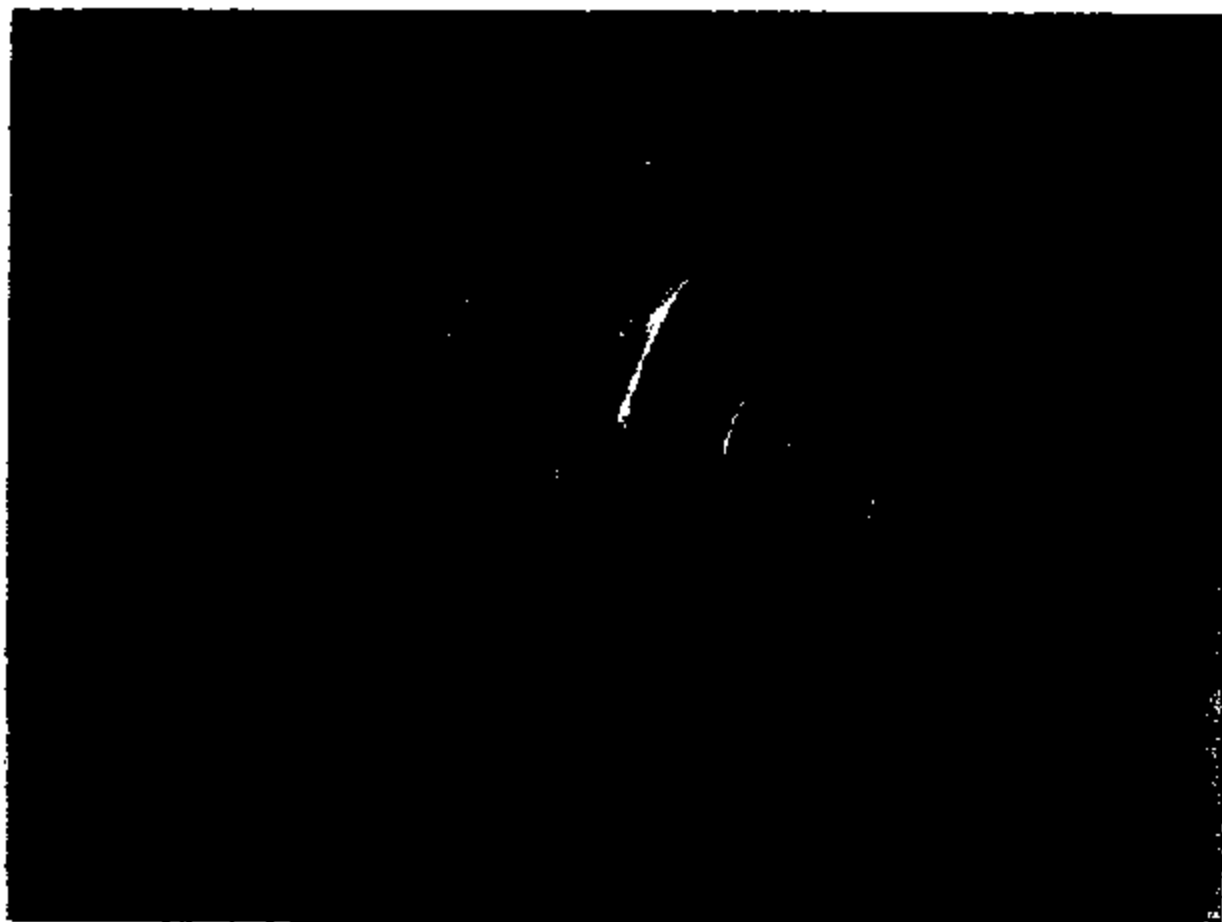
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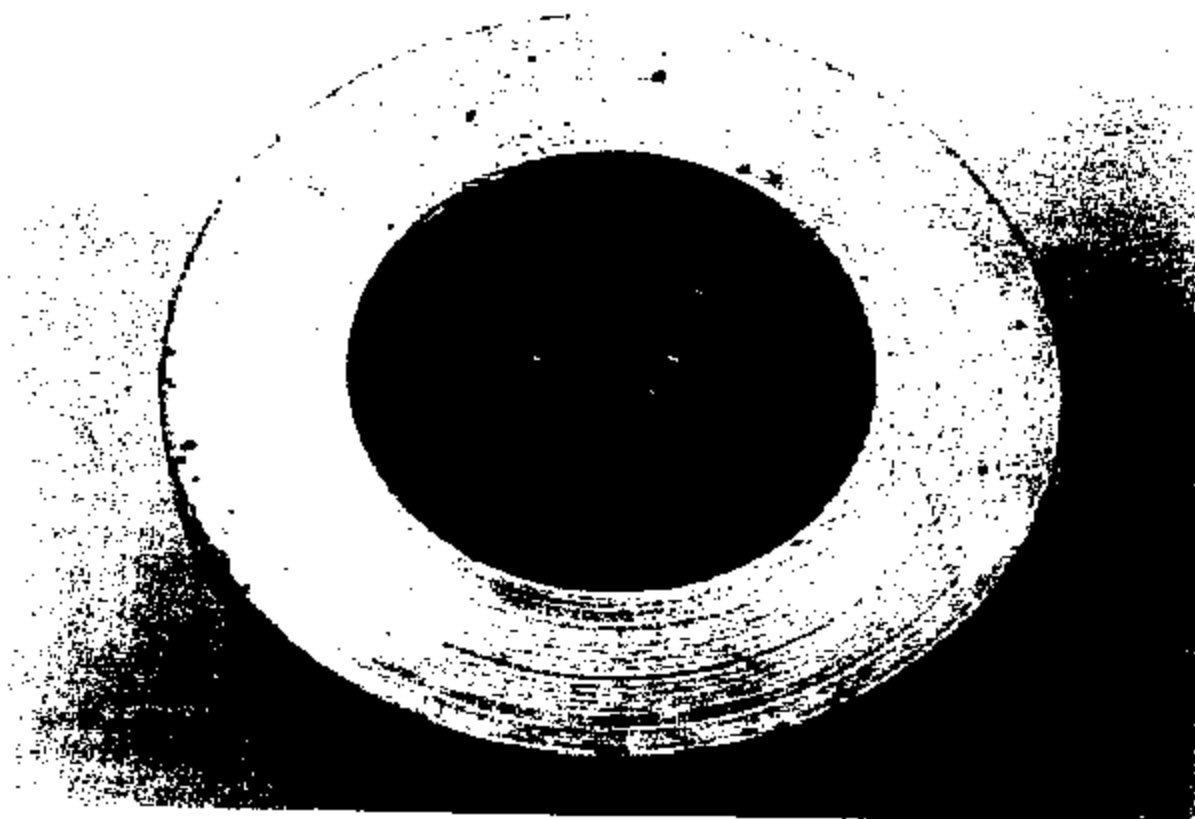
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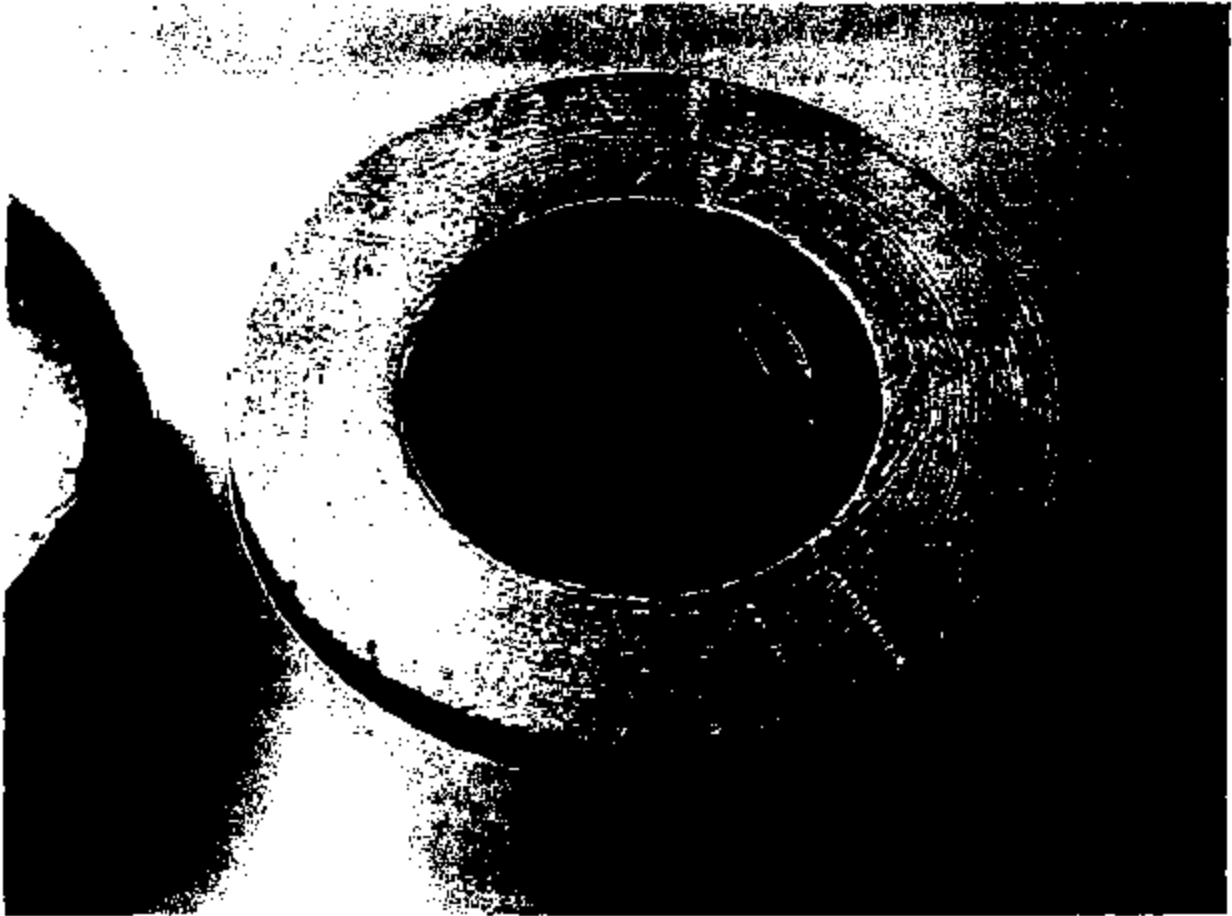
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TI-NHTSA 8324



TI-NHTSA 8325



TI-NHTSA 8326



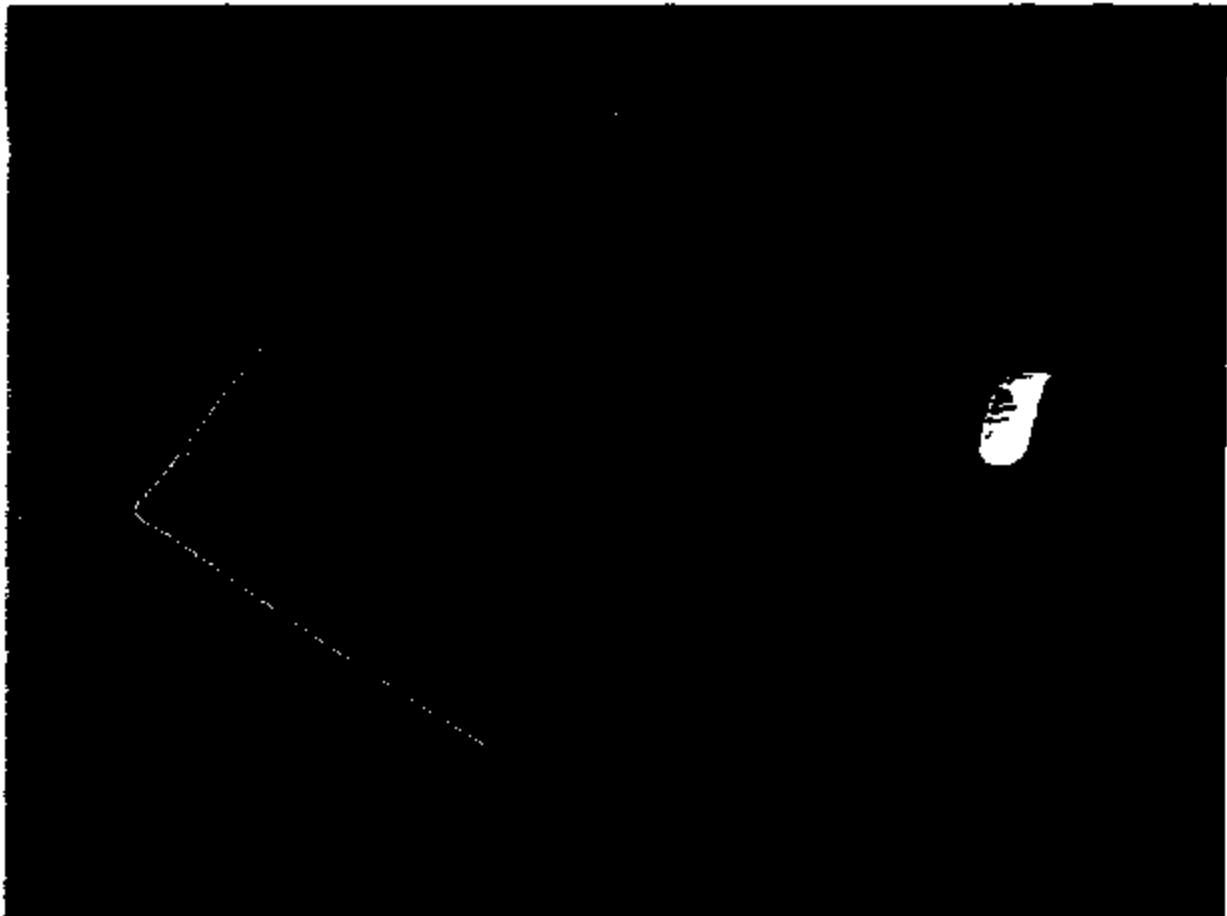
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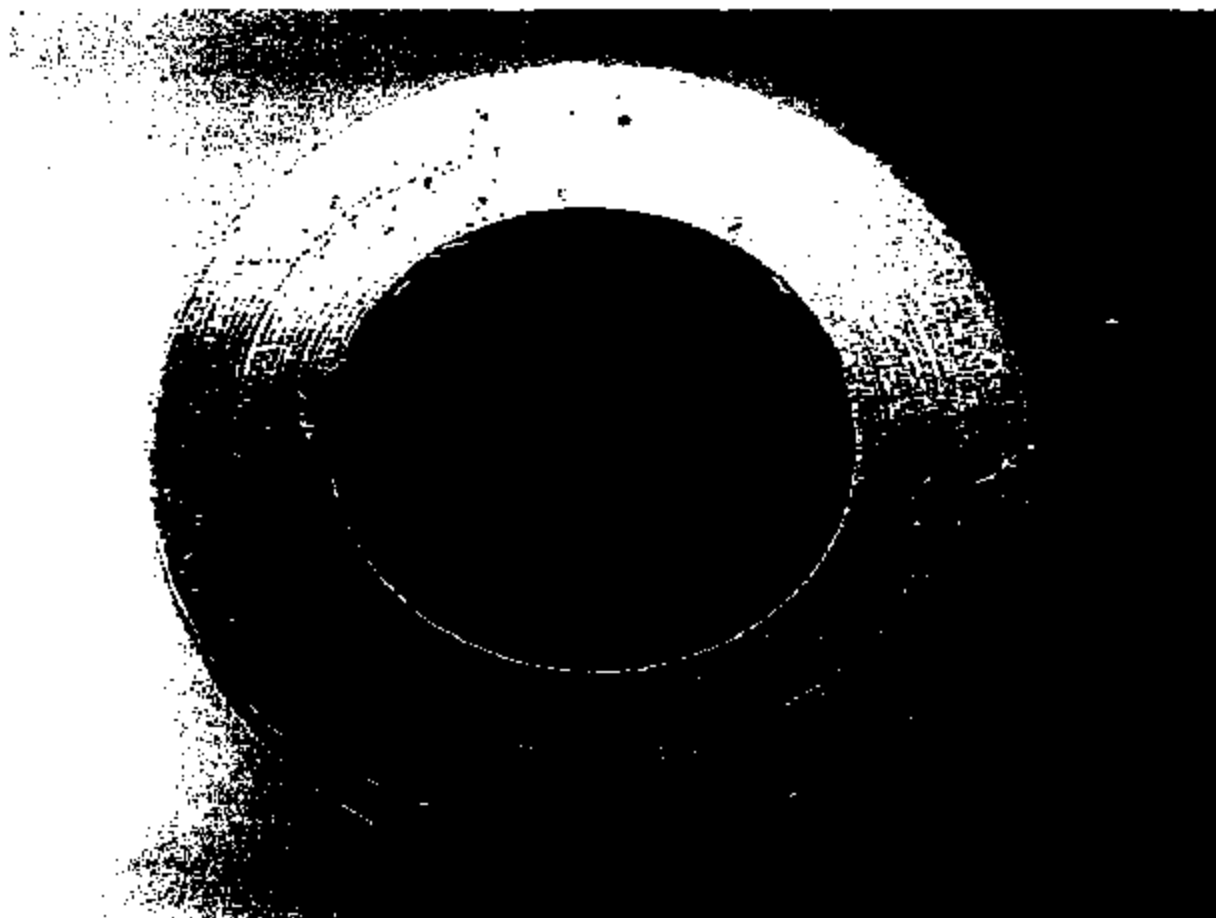
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TI-NHTSA 8329



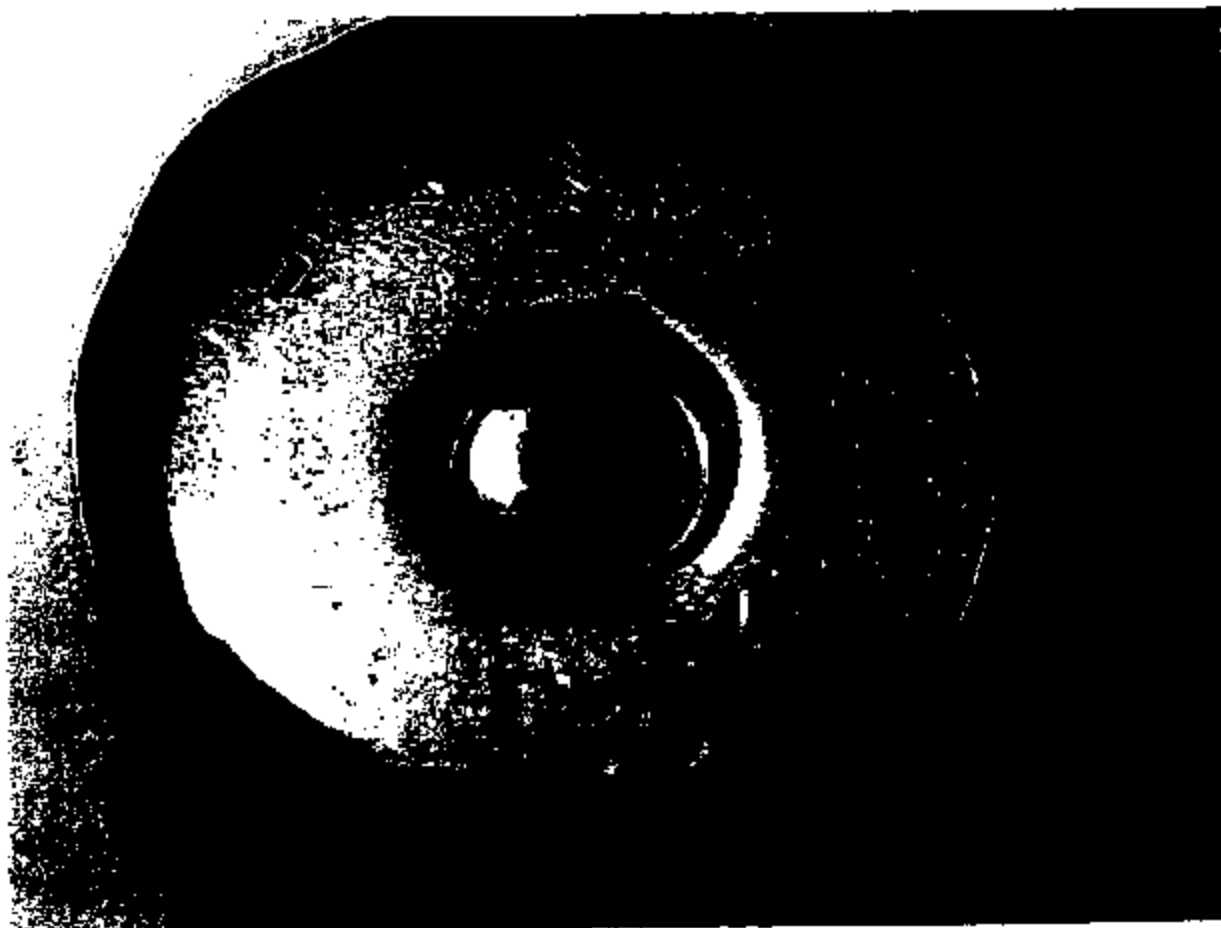
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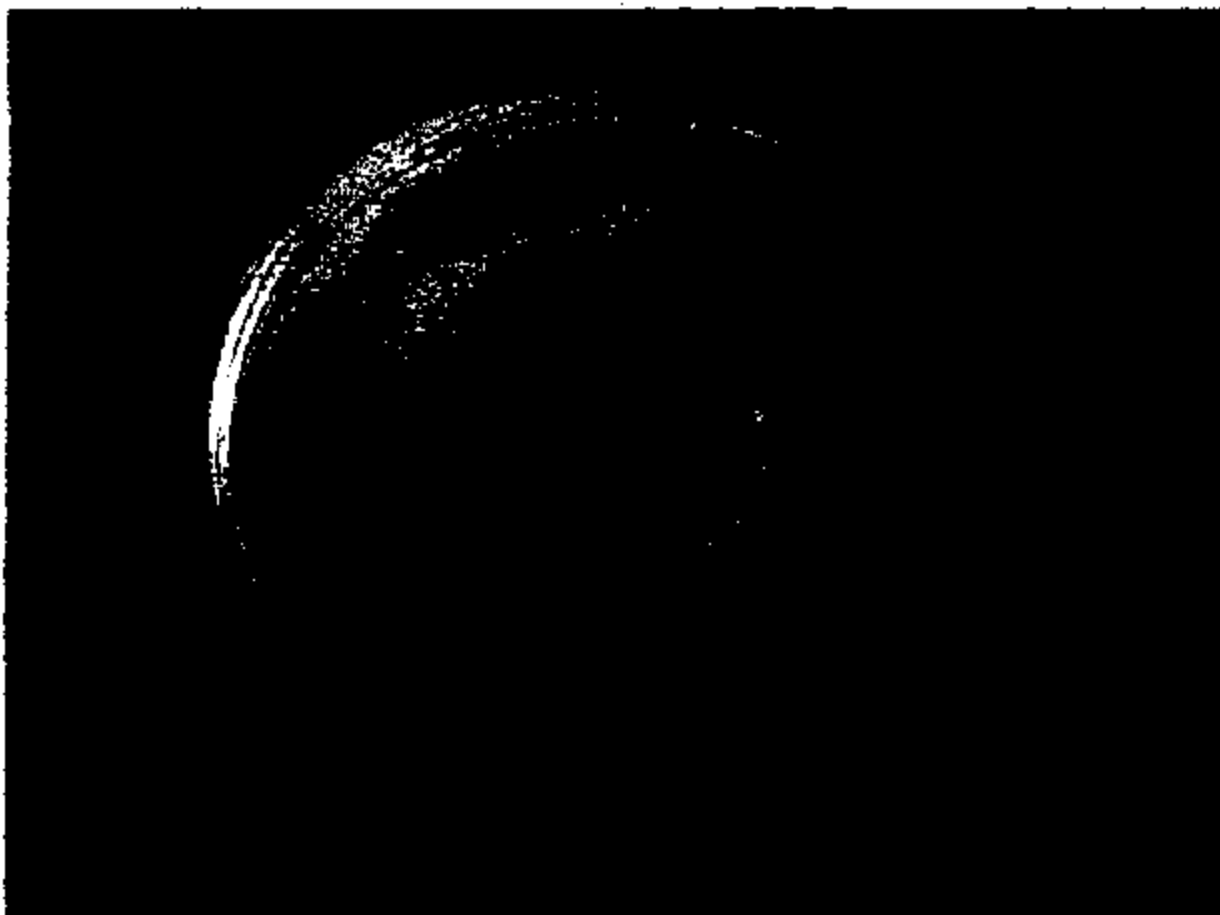
TI-NHT8A 8332



TI-NHTSA 8333



TI-NHTSA 8334



TI-NHTSA 8335

77P812-1 Return Analysis Sheet

Device ID: 0212-3 Date: 2-19-99 Ford Part # 113

Operator's Name: _____ Sw Date Code: 2032 Technician But

1 Visual Inspection

General condition of Switch: Good
 Signs of leakage into connector? No
 Making connector seal? Pass Silicone
 compression? Yes
 Wire Harness returned? Yes No
 Wire insulation compression?

Bad
Yes

2 Current draw :

Terminal to Terminal? 0.2 Ohms
 Terminal to Heupart? 0.0 mA 14 Vdc supply Current limited to 10 amps.

3 Open Crimp Ring

4 Visual Inspection

Connector Leak? No Yes
 Component wear? None Light Medium Heavy
 RF leak? No Yes
 Environment seal condition? Good Bad
 If seal bad, Why?
 Corrosion? Yes suspict No
 Pounce

5 Leak Test Sensor Assy.

Pass Fail

6 Open Cup Crimp.

7 Diaphragm Inspection

	Nearest Fluid			Middle			Nearest Converter		
	Fluid	#1	Converter	Fluid	#2	Converter	Fluid	#3	Converter
	Teflon	Kapton	Teflon	Teflon	Kapton	Teflon	Teflon	Kapton	Teflon
Teflon stretch	<u>N</u>		<u>Y</u>	<u>Y</u>		<u>Y</u>	<u>Y</u>		<u>N</u>
Teflon cracks	<u>Y</u>		<u>Y</u>	<u>Y</u>		<u>Y</u>	<u>Y</u>		<u>Y</u>
Teflon delamination	<u>Y</u>		<u>Y</u>	<u>Y</u>		<u>Y</u>	<u>Y</u>		<u>Y</u>
Kapton cracks		<u>N</u>			<u>N</u>			<u>Y</u>	
Sinus pattern		<u>Y</u>			<u>Y</u>			<u>Y</u>	
Wear/porcelain discoloration	<u>N</u>	<u>N</u>	<u>N</u>	<u>Y</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>Y</u>

8 Gasket Inspection

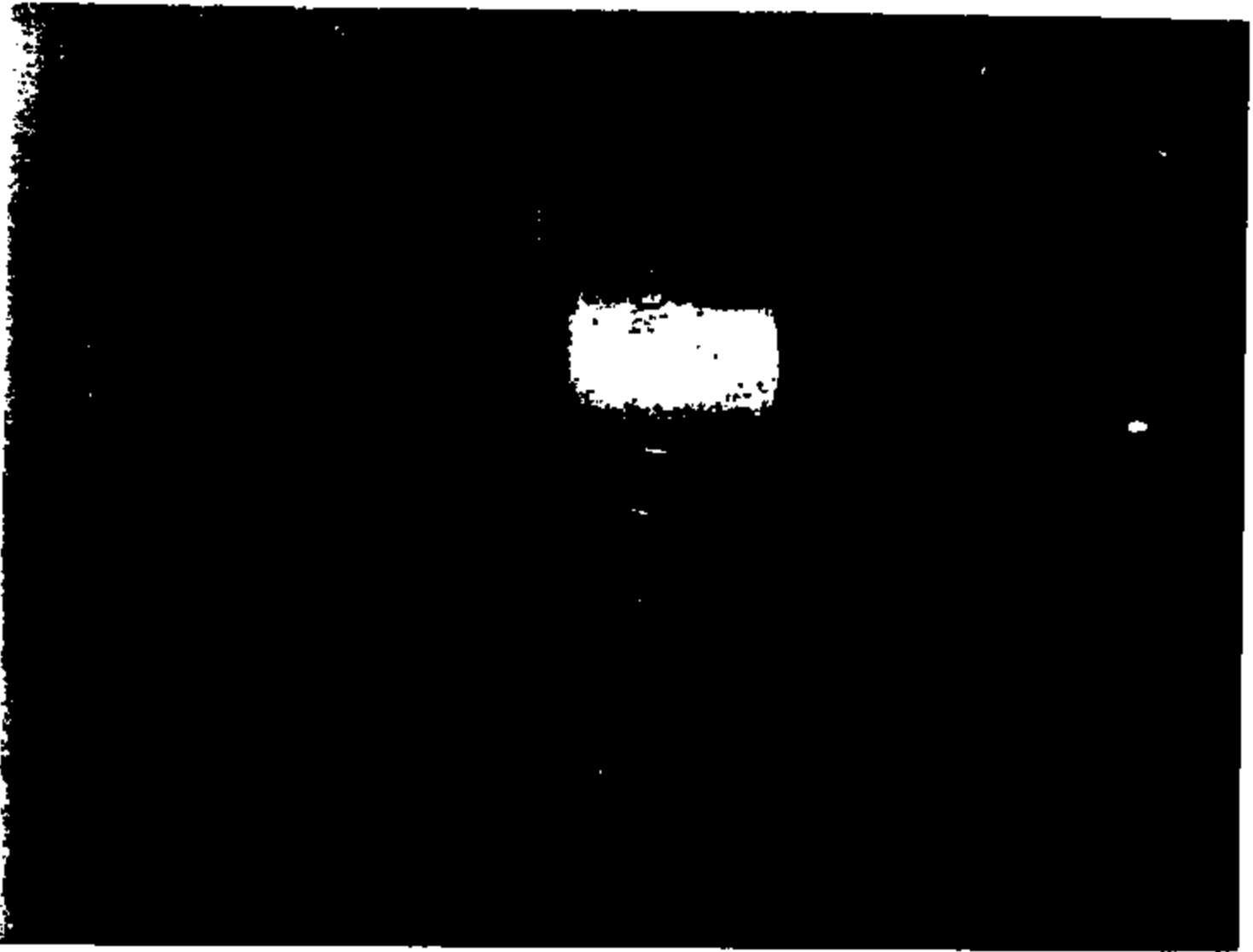
Present? Yes No
 Nibbles/missing material? Yes No
 Gasket thickness
0.0260 inches
0.0260 inches
0.0260 inches

9 Package and Store

10 Analysis Summary:

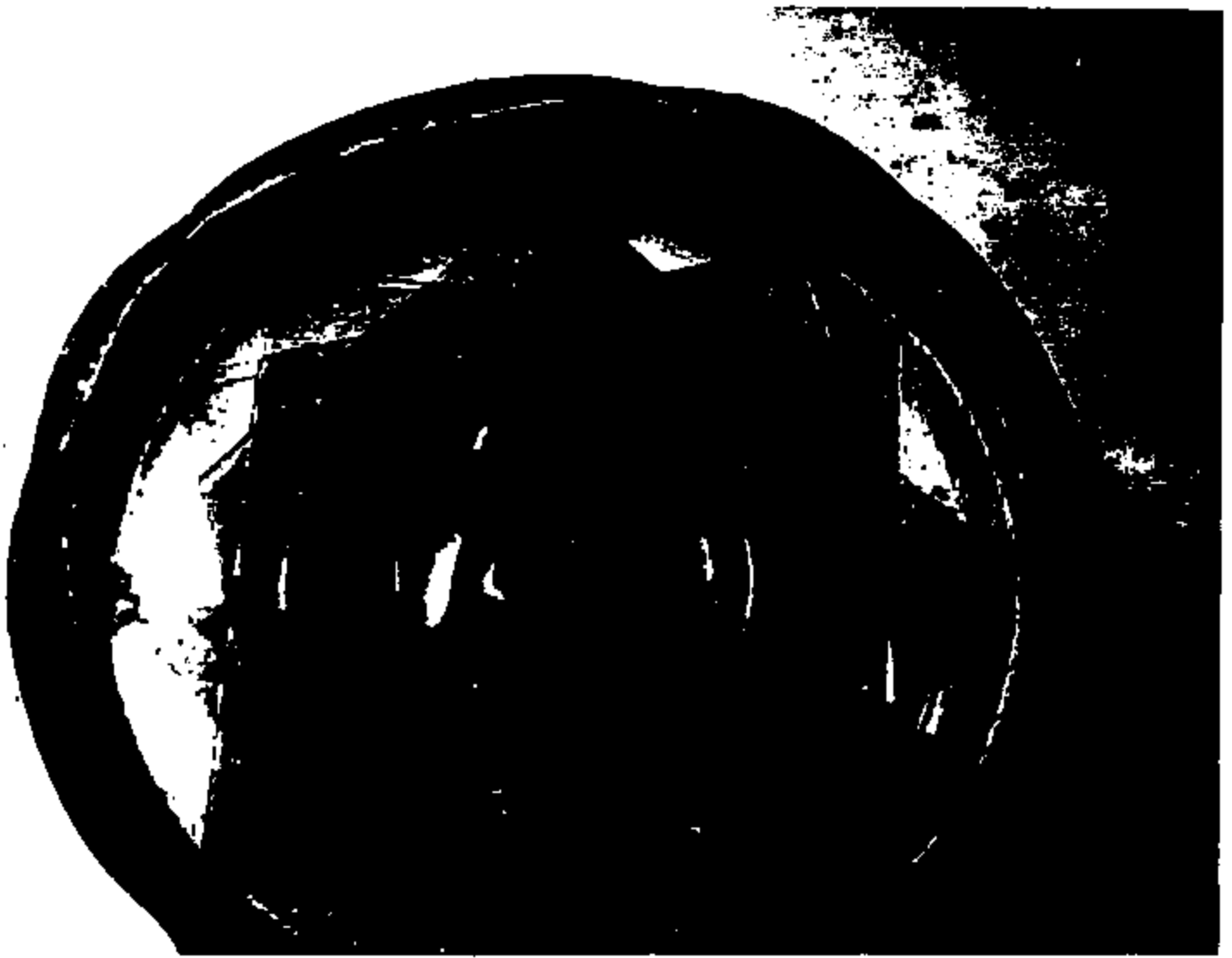
NTF Issue Discovered

TI-NHTSA 8336



TI-NHTSA 8337

PL 10 3



TI-NHTSA 8338

PL 3



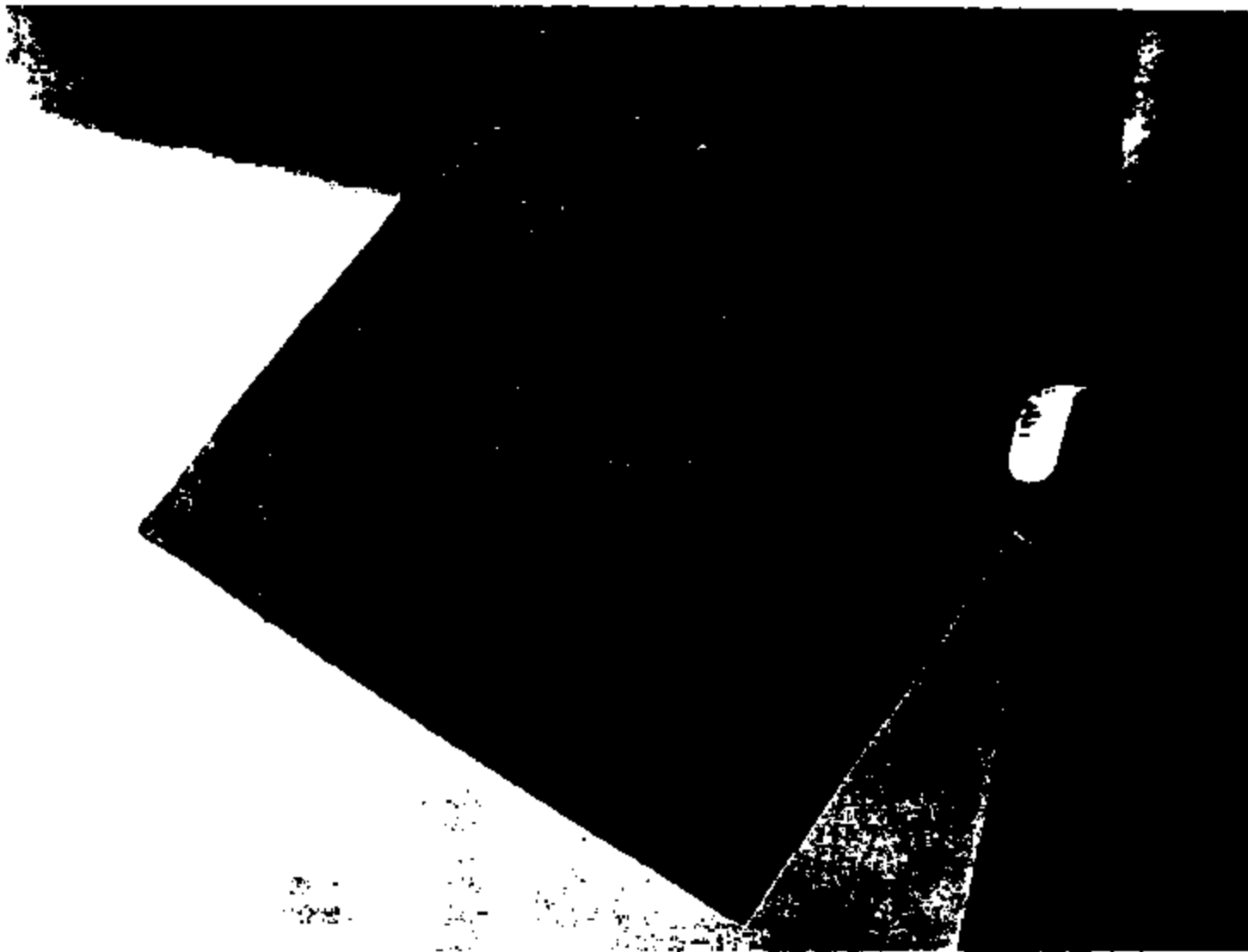
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TI-NHTSA 8339



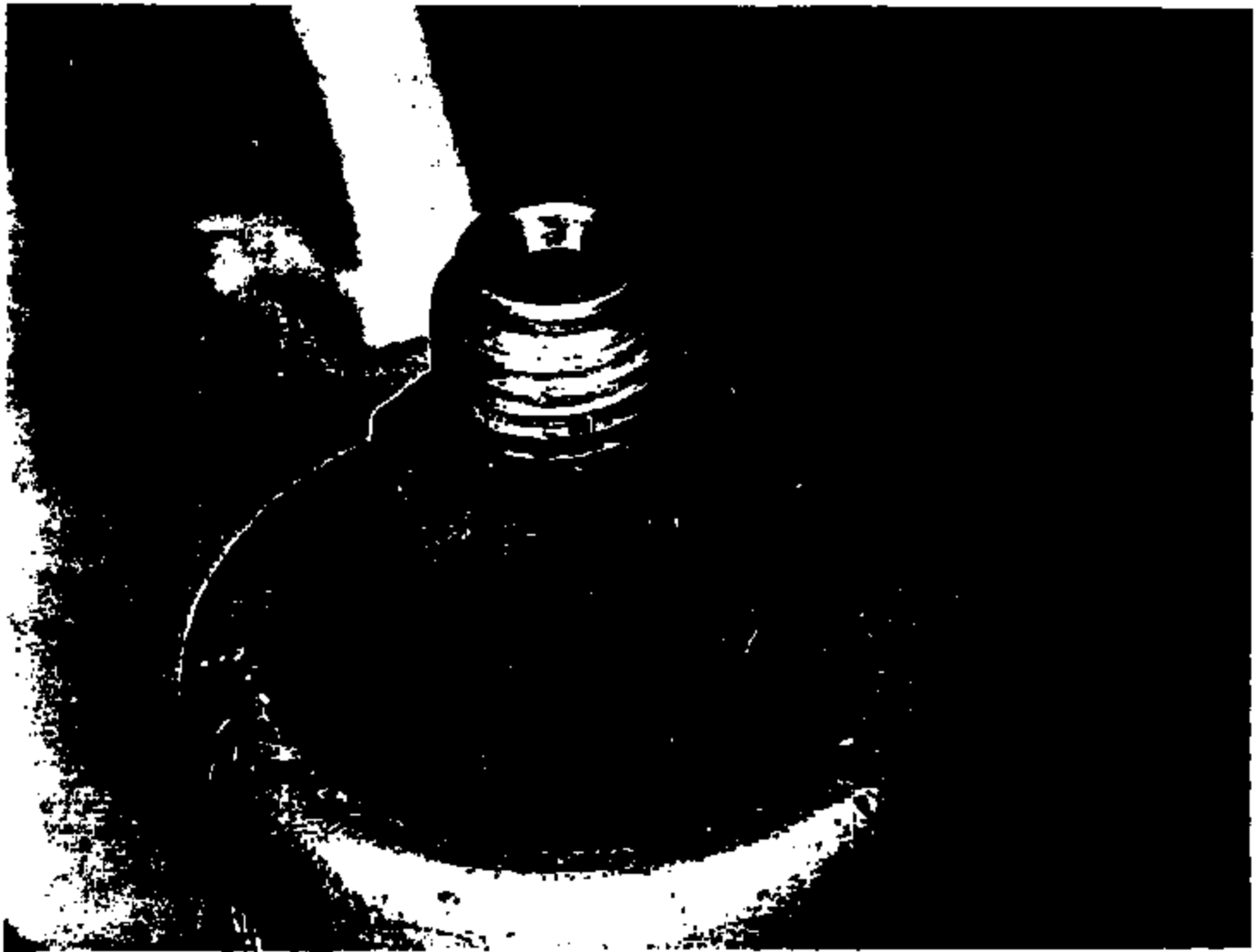
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TI-NHTSA 8340



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TI-NHTSA 8341

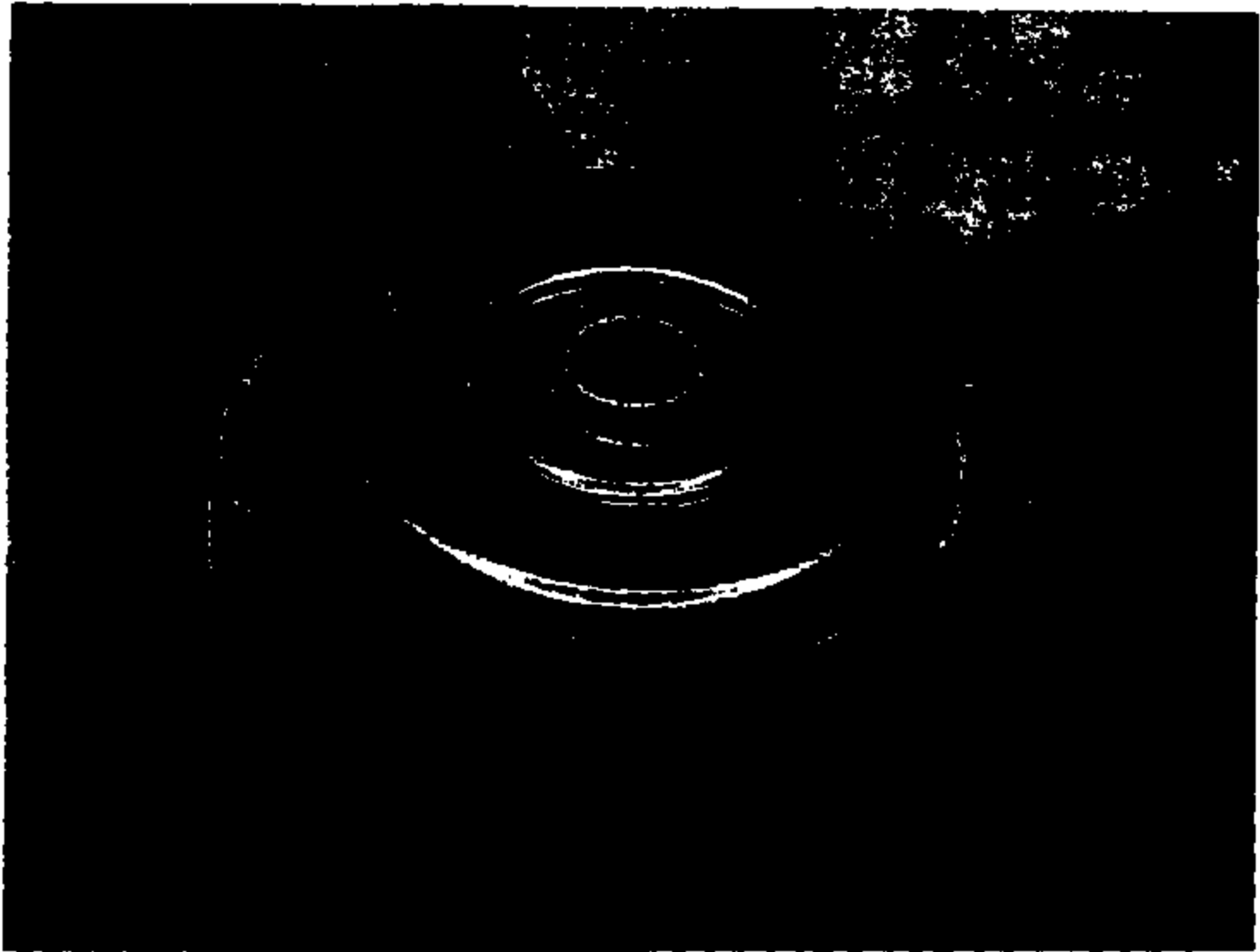


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TI-NHTSA 8342

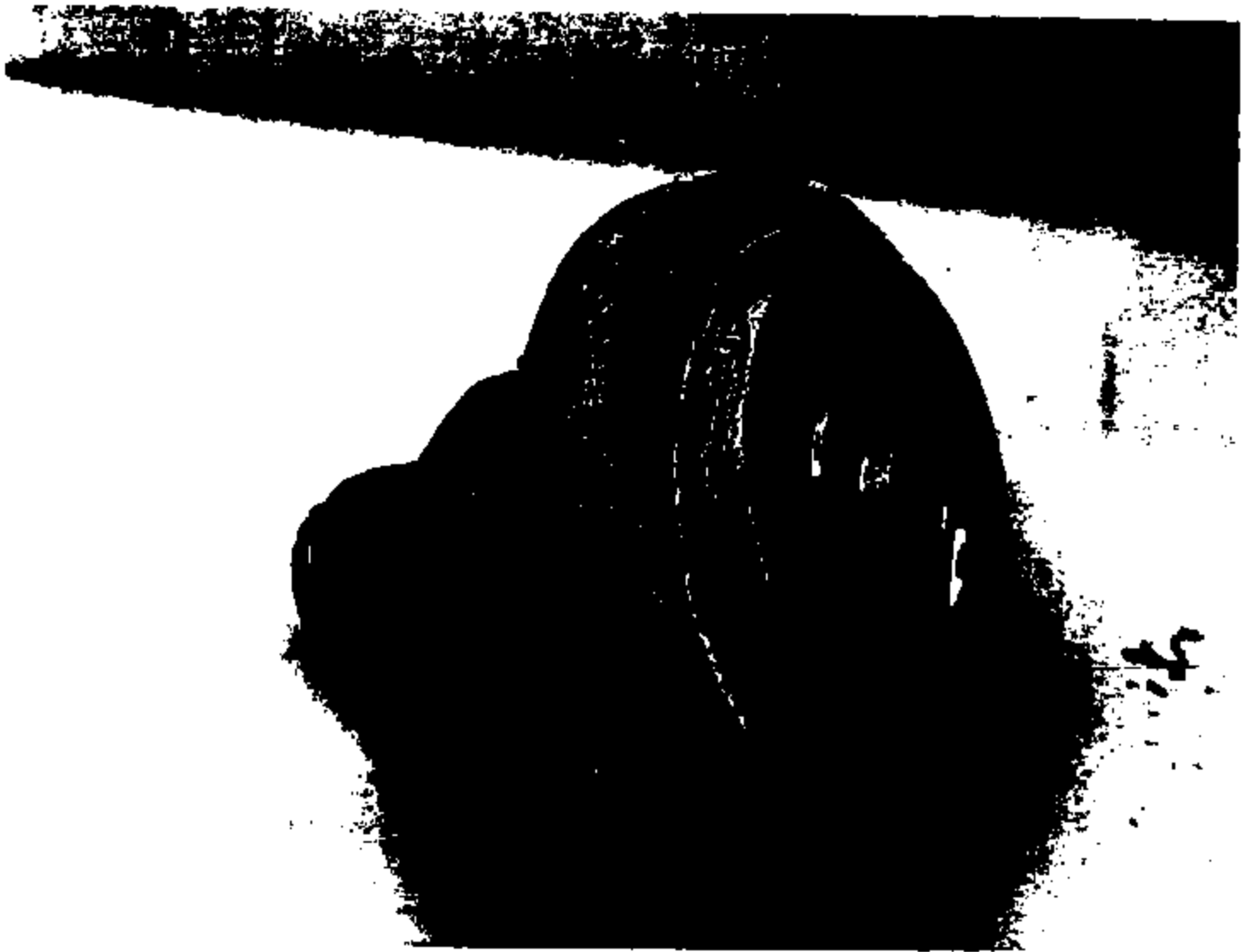


TI-NHTSA 8343



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TI-NHTSA 8344



3

TI-NHT8A 8345



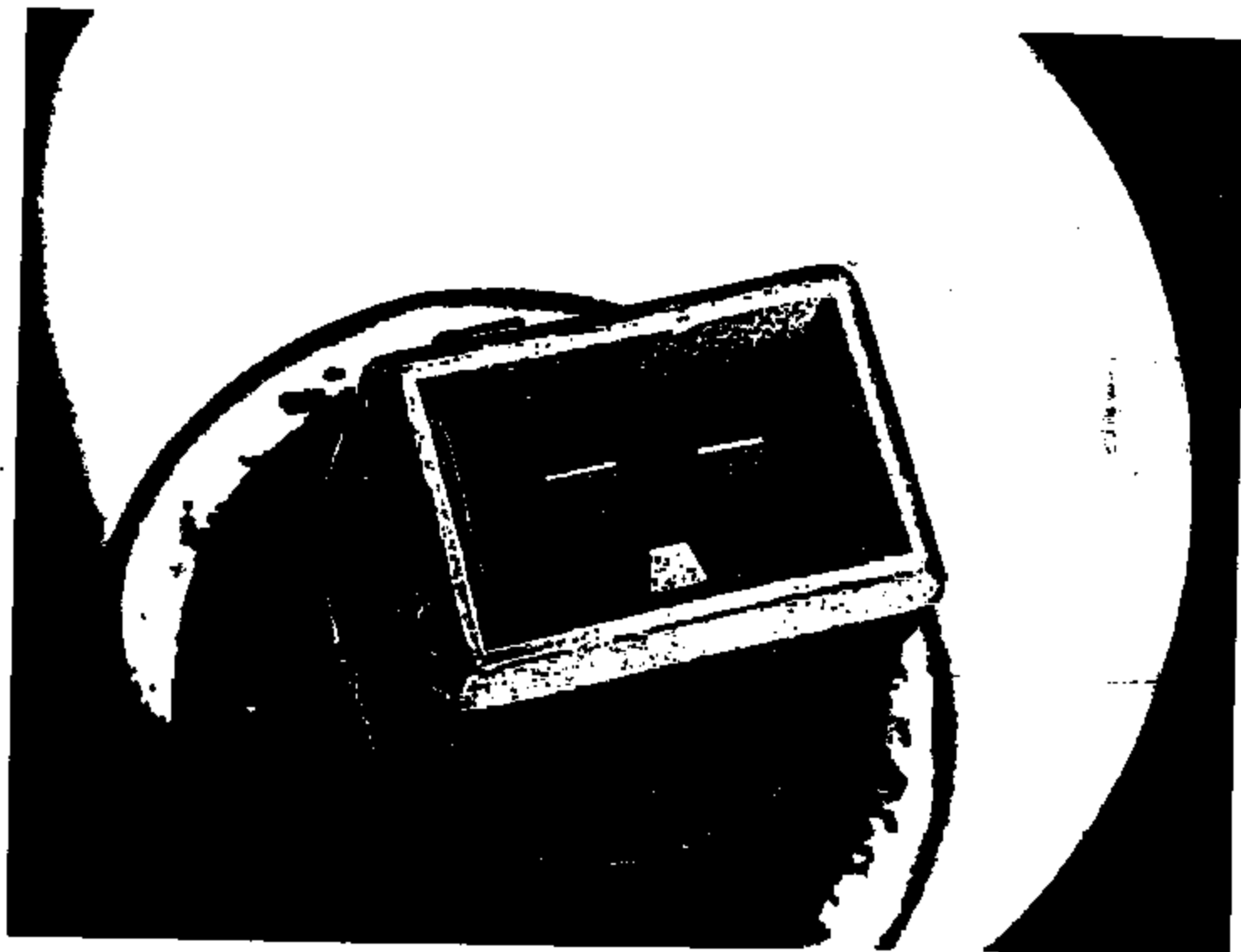
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TI-NHTSA 8346



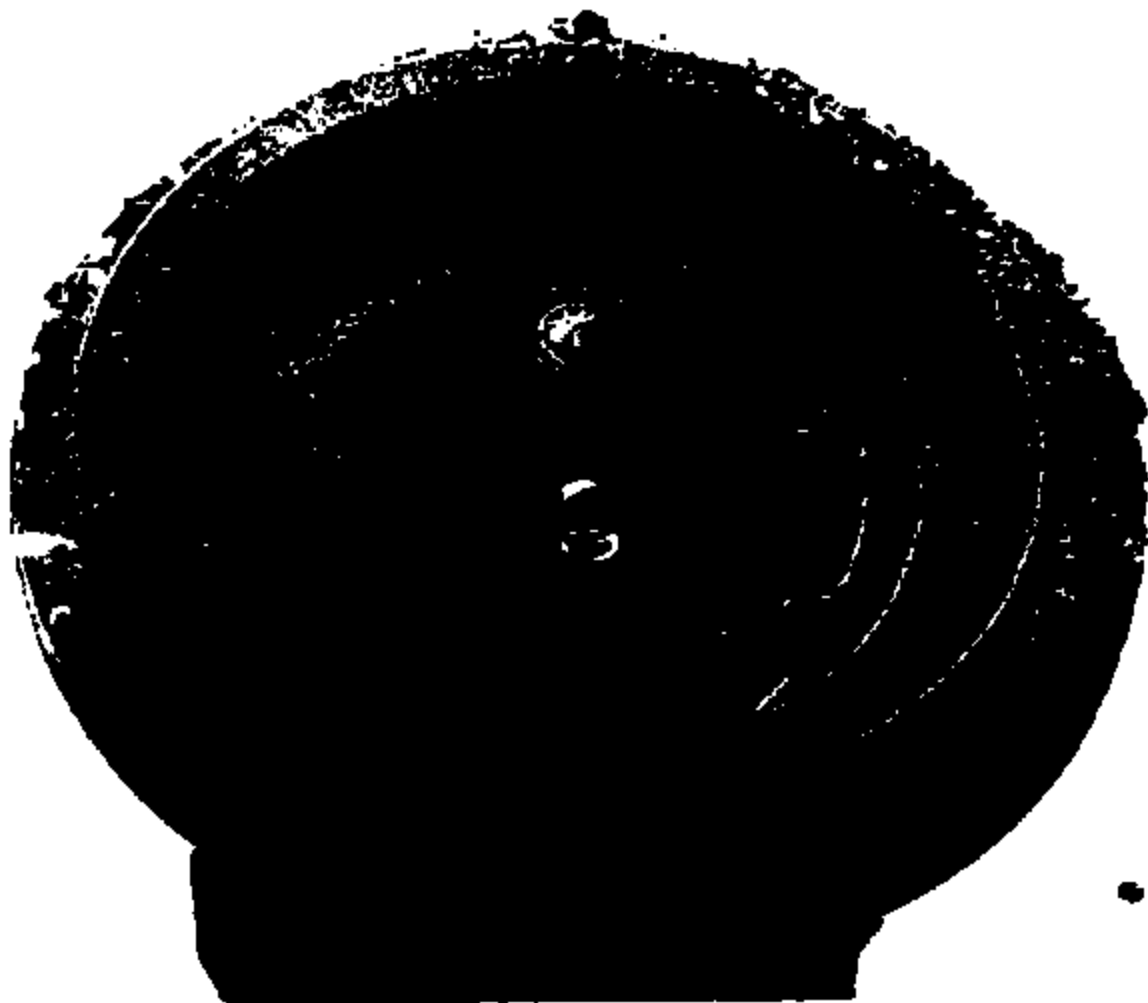
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TI-NHTSA 8347



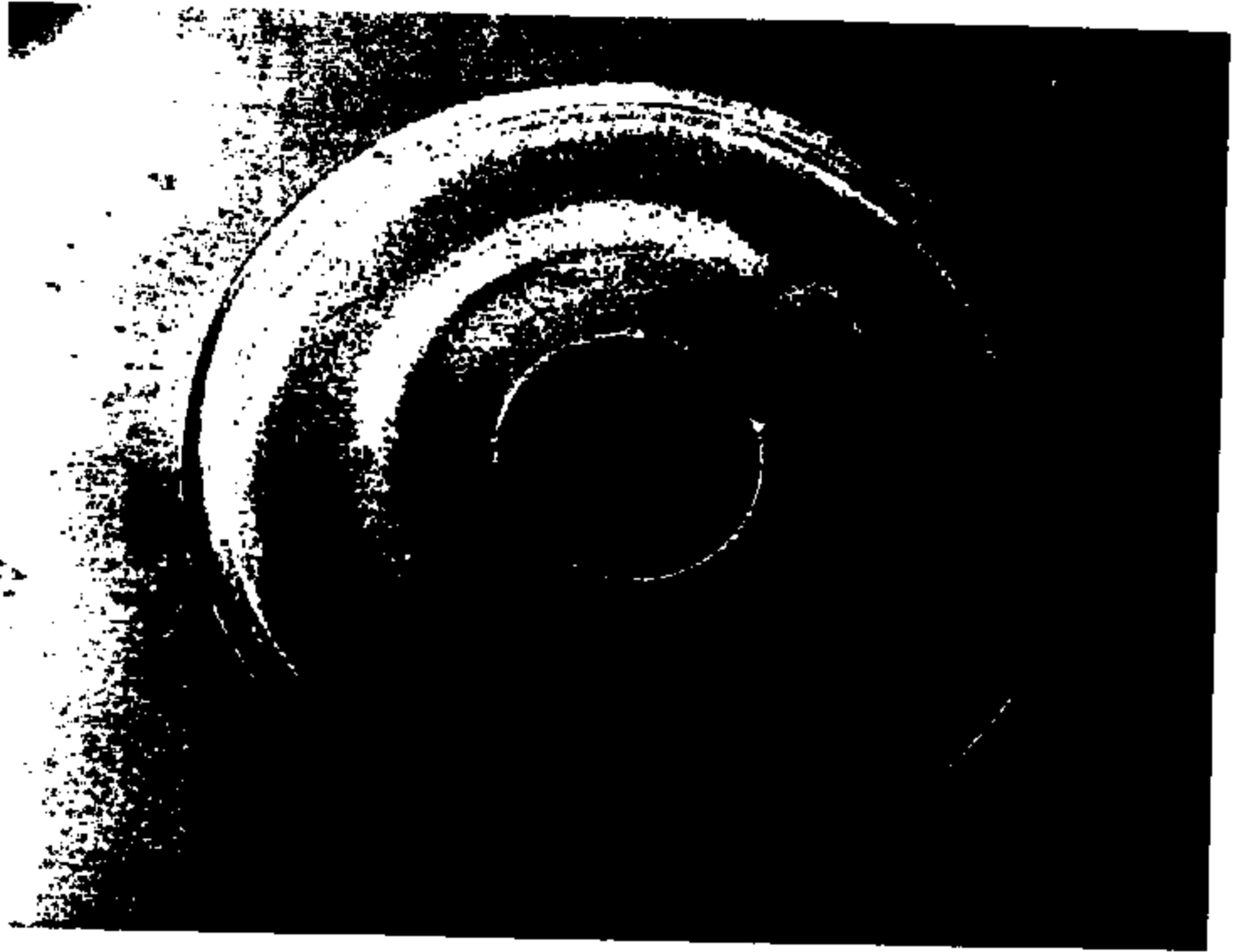
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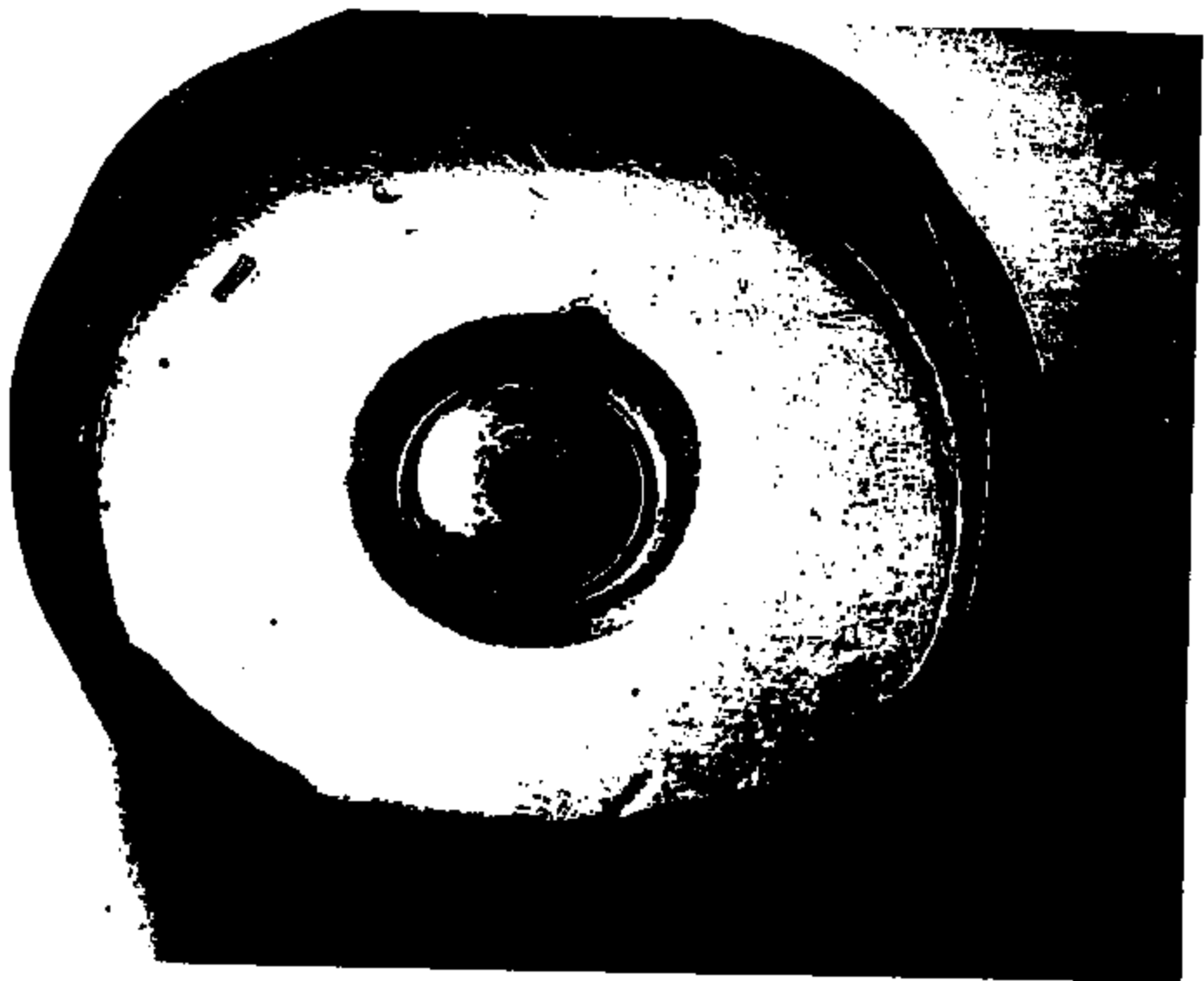
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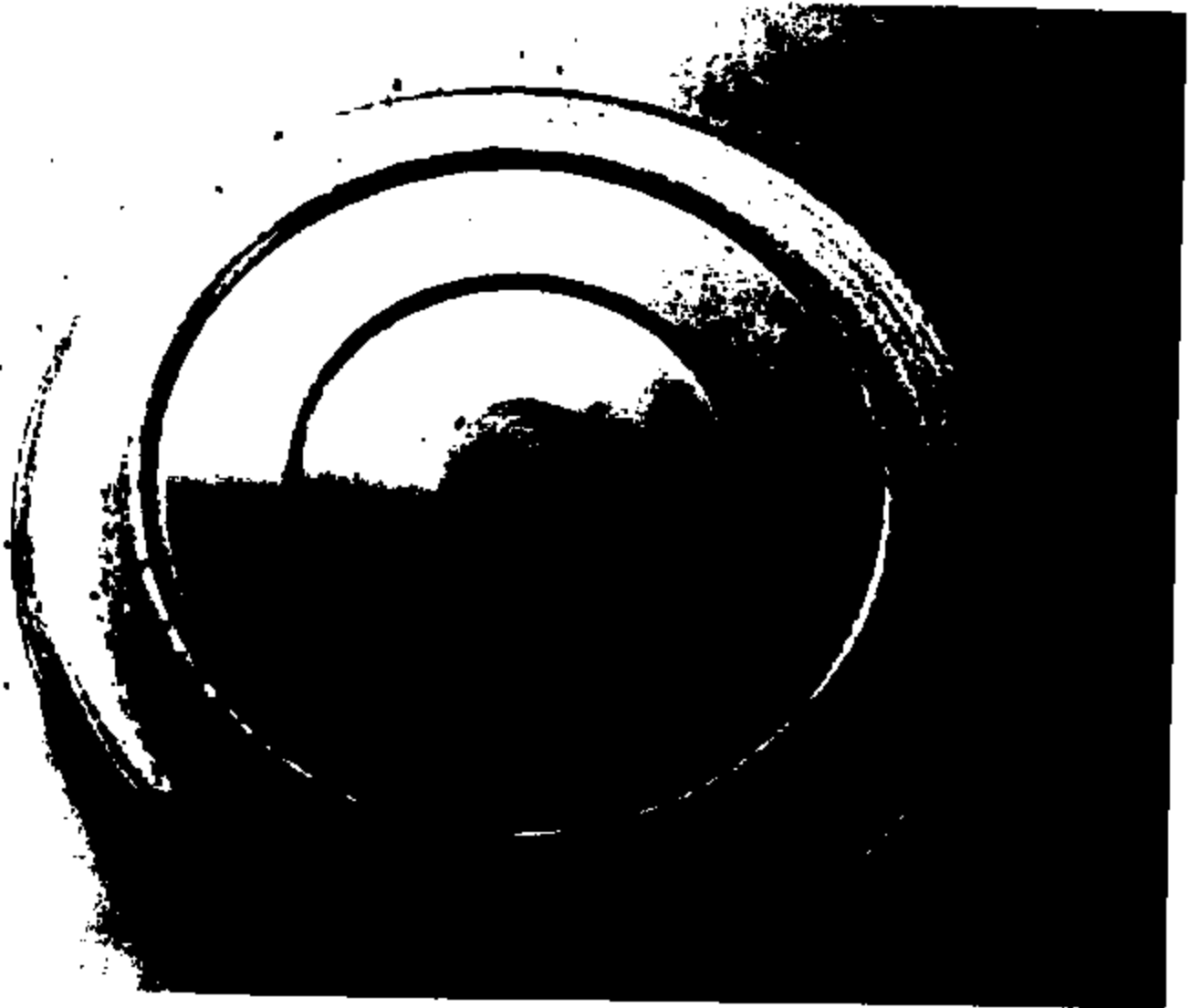
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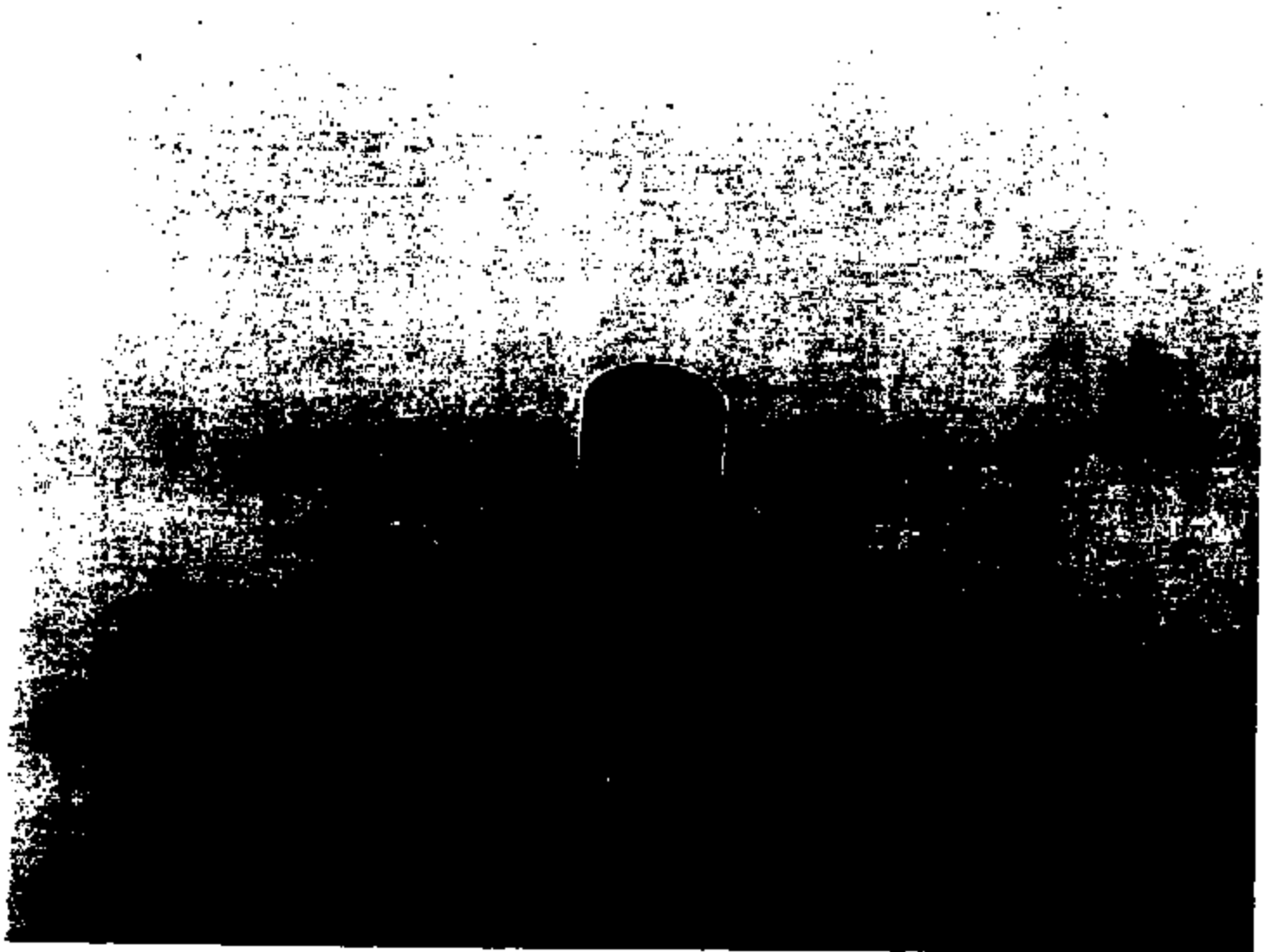
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TI-NHTSA 8351



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TI-NHTSA 8352

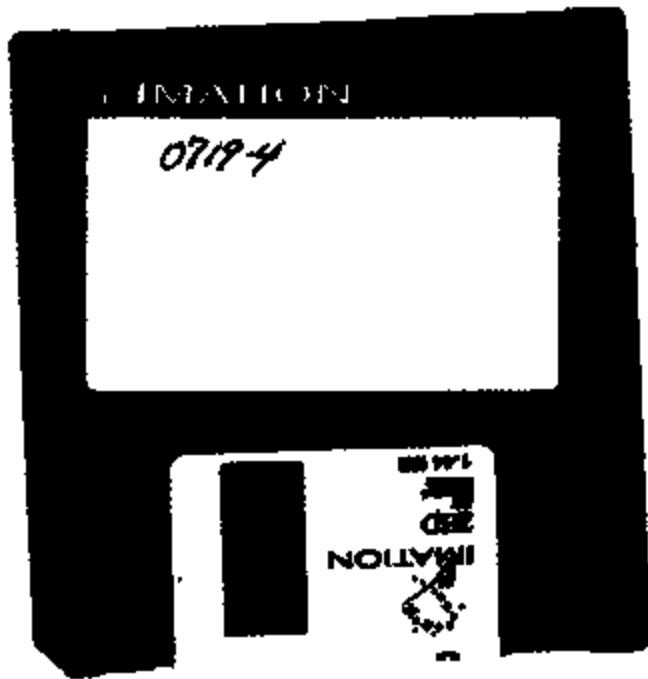


04 13

TI-NHTSA 8353



PL 3



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TI-NHTSA 8356



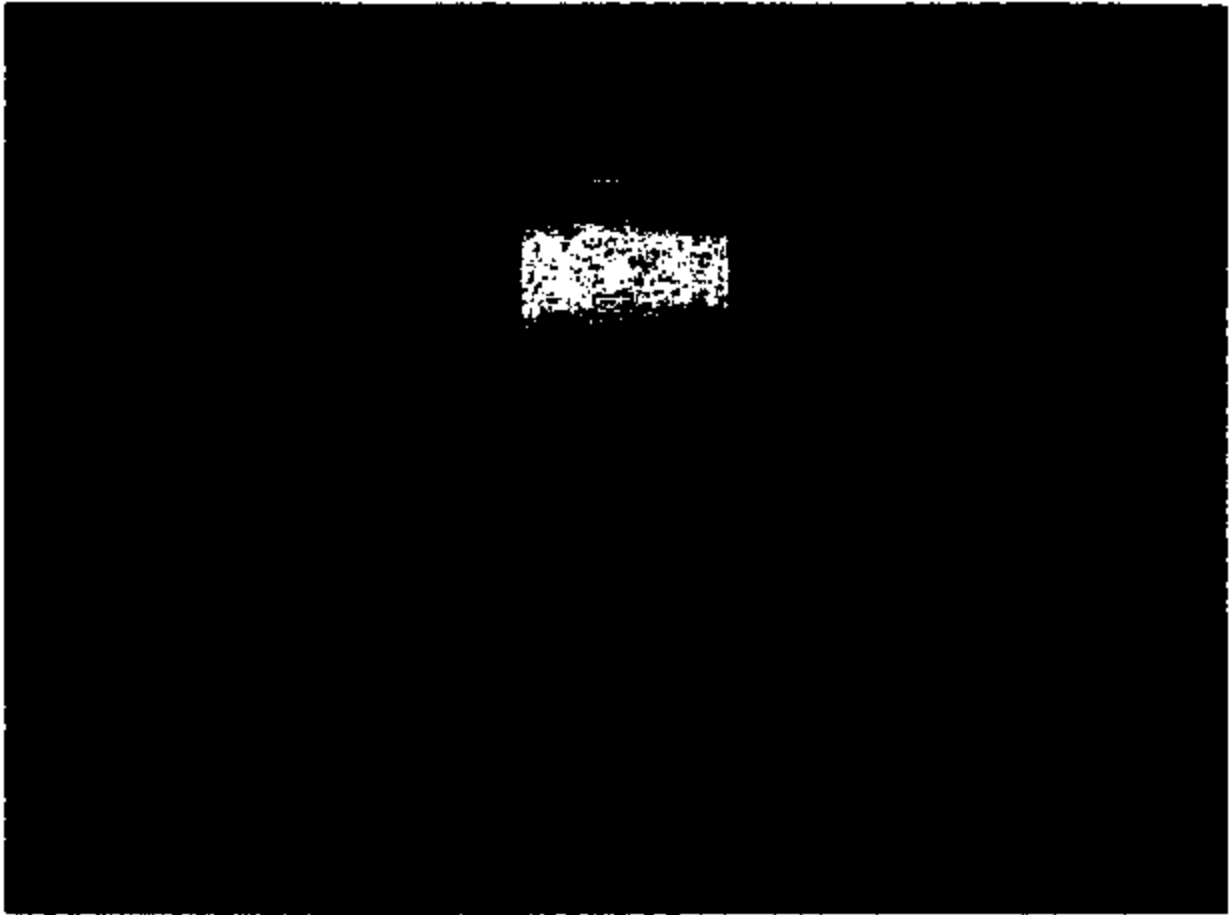
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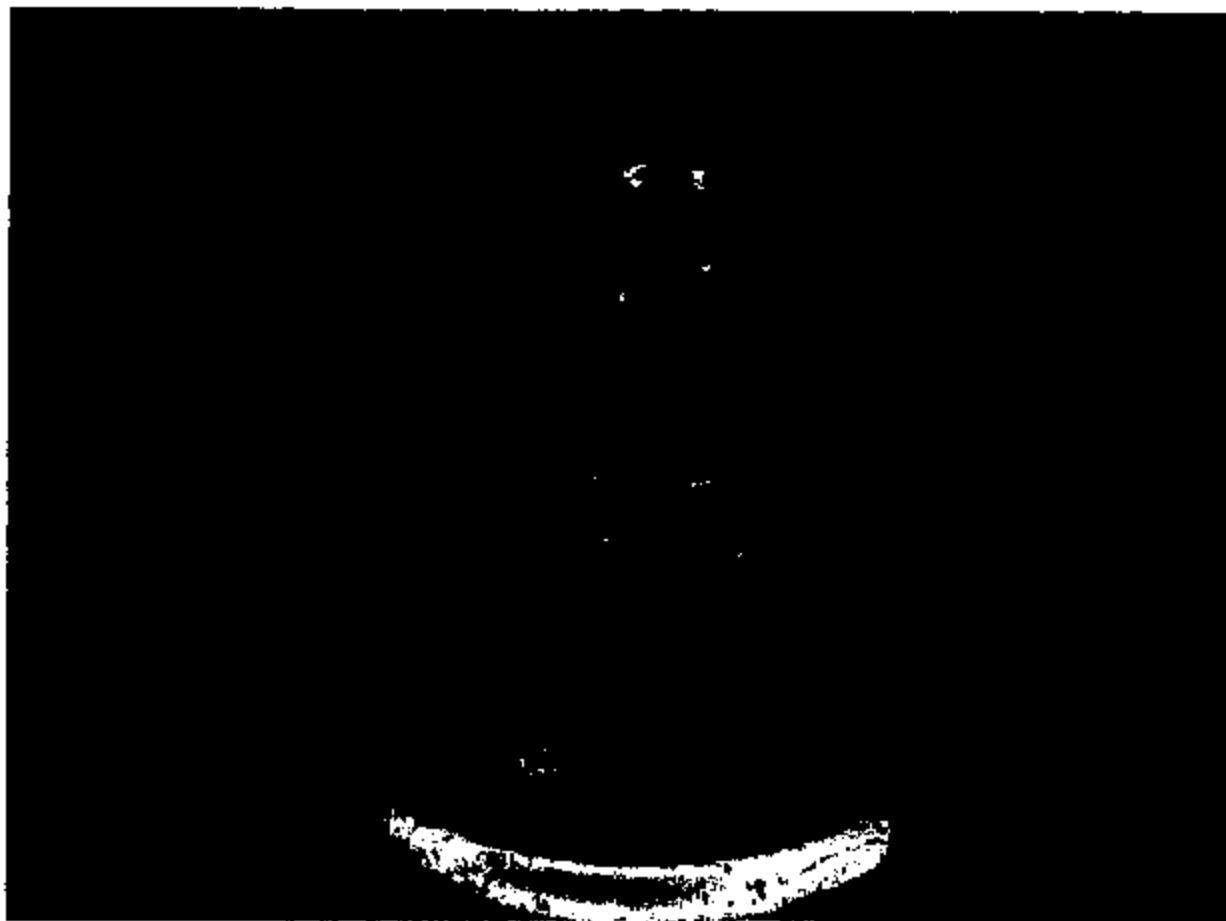
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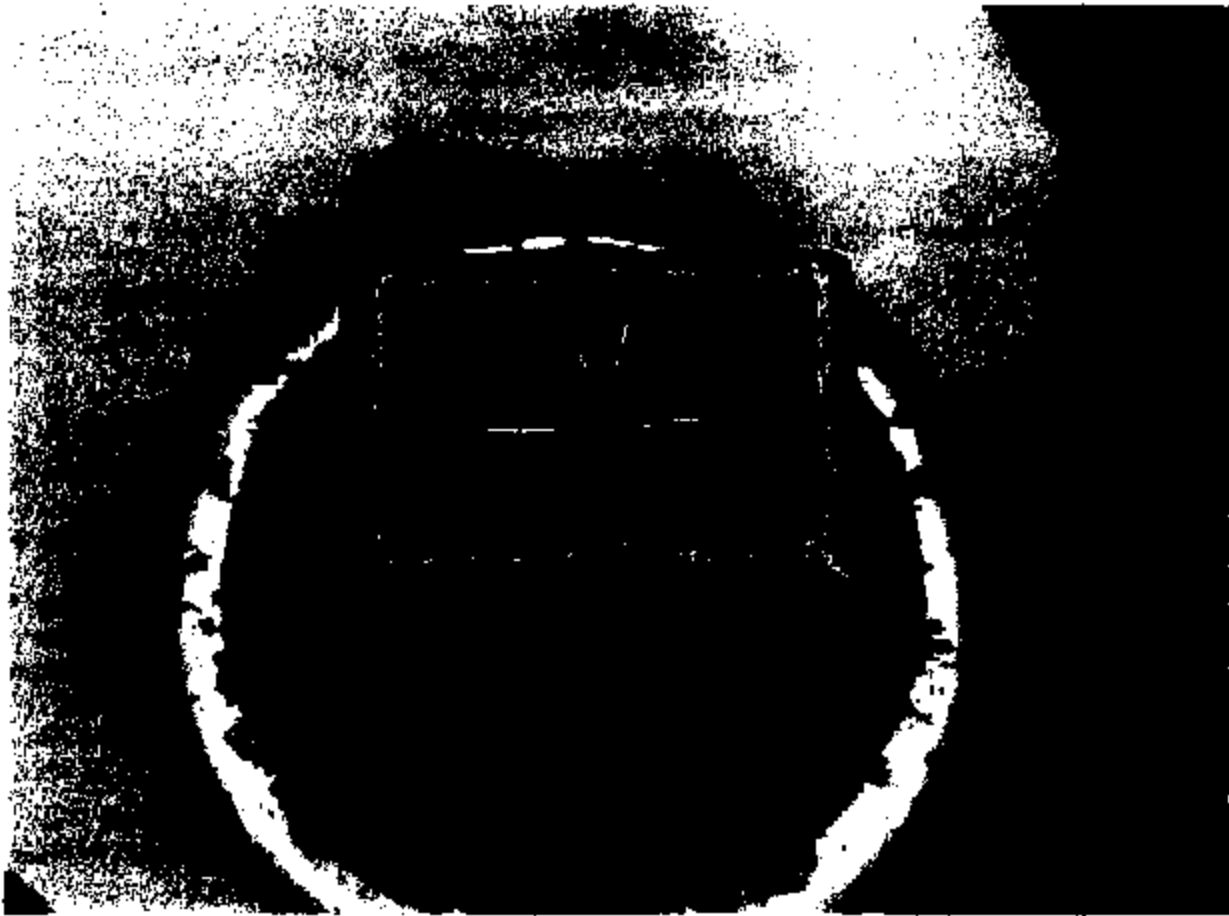
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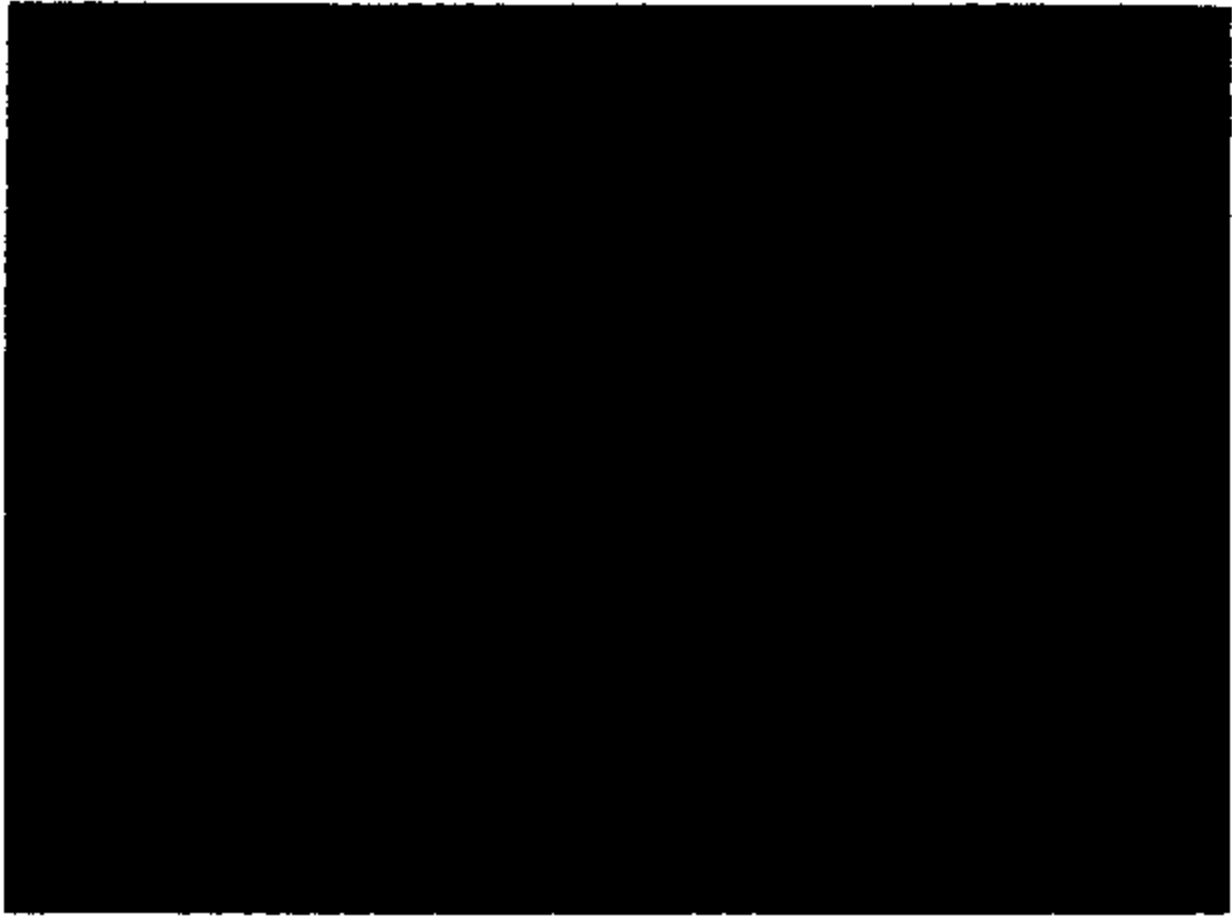
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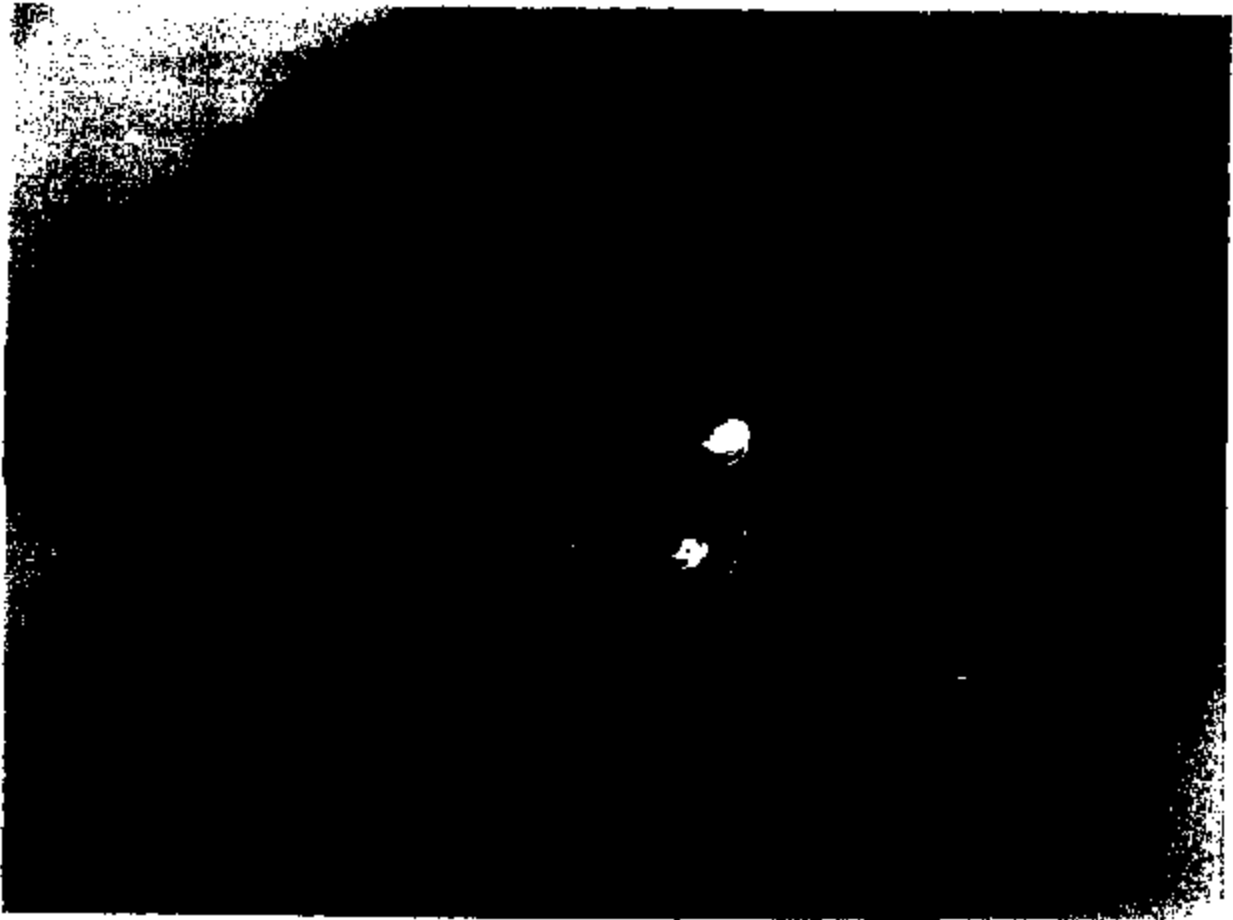
TI-NHTSA 8381



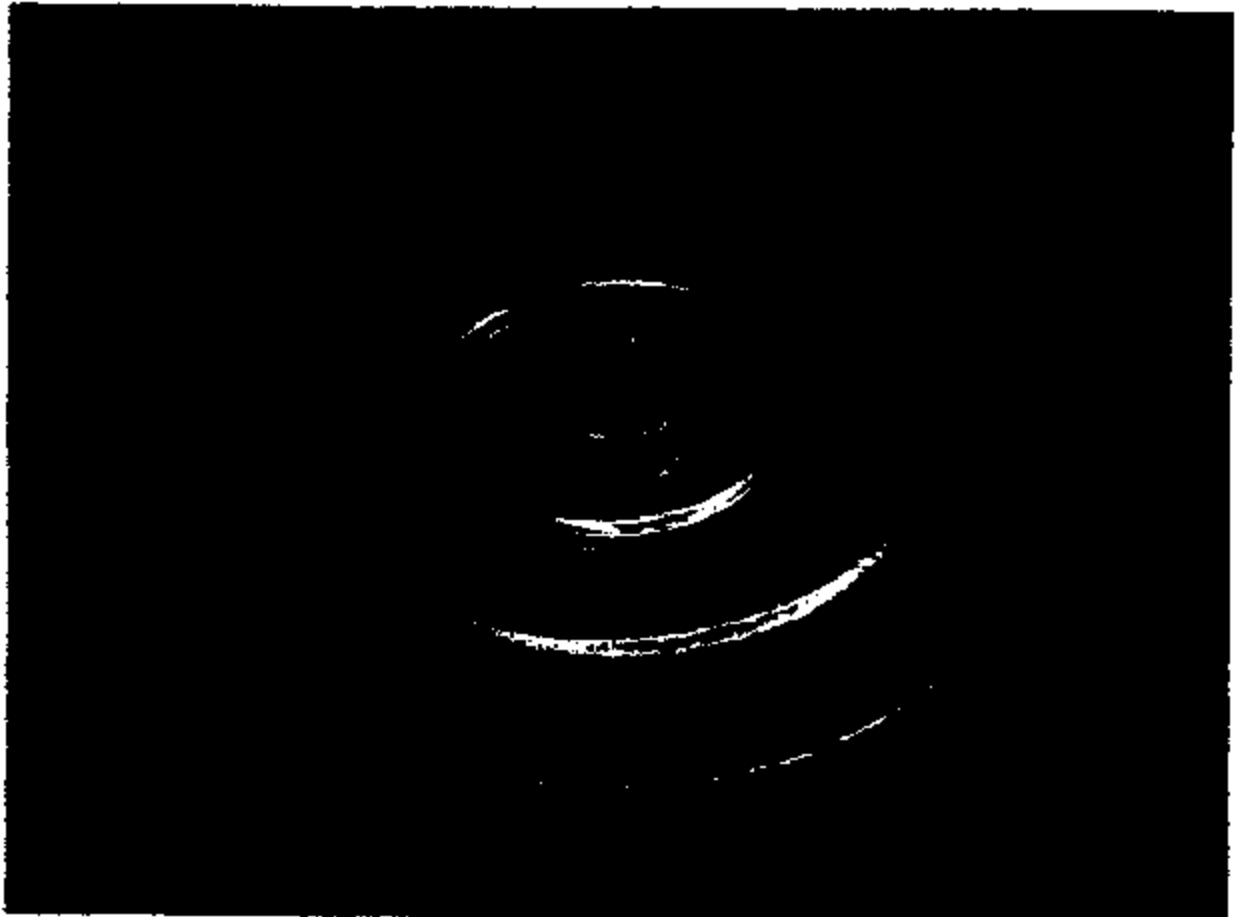
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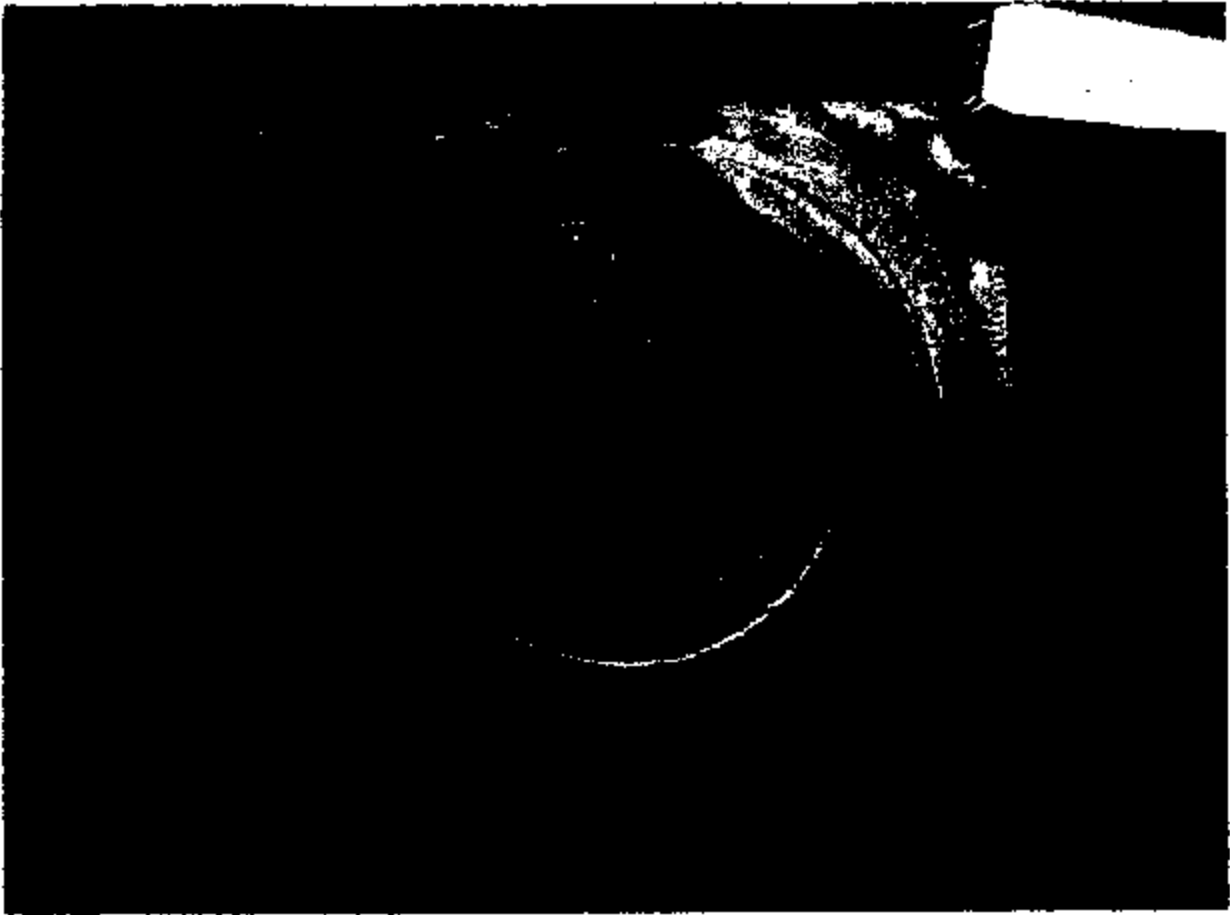
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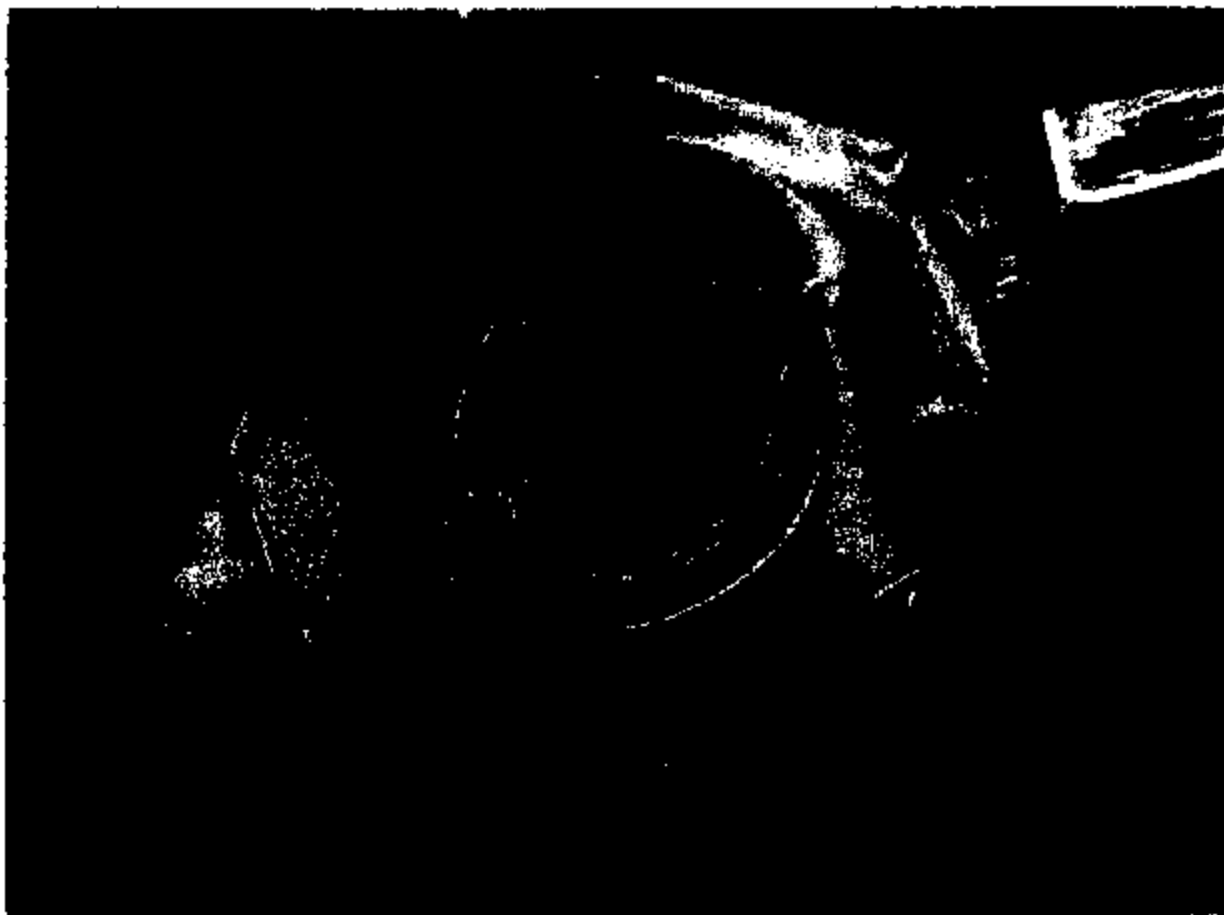
TI-NHTSA 8369



TI-NHT8A 8370



TI-NHTSA 8371



TI-NHT8A B372



TI-NHTSA 8373



TI-NHTSA 8374



TI-NHTSA 8375



TI-NHTSA 8376



TI-NHTSA 8377



TI-NHTSA 8378