

EA02-025

TEXAS INSTRUMENTS, INC.'S

09/10/03

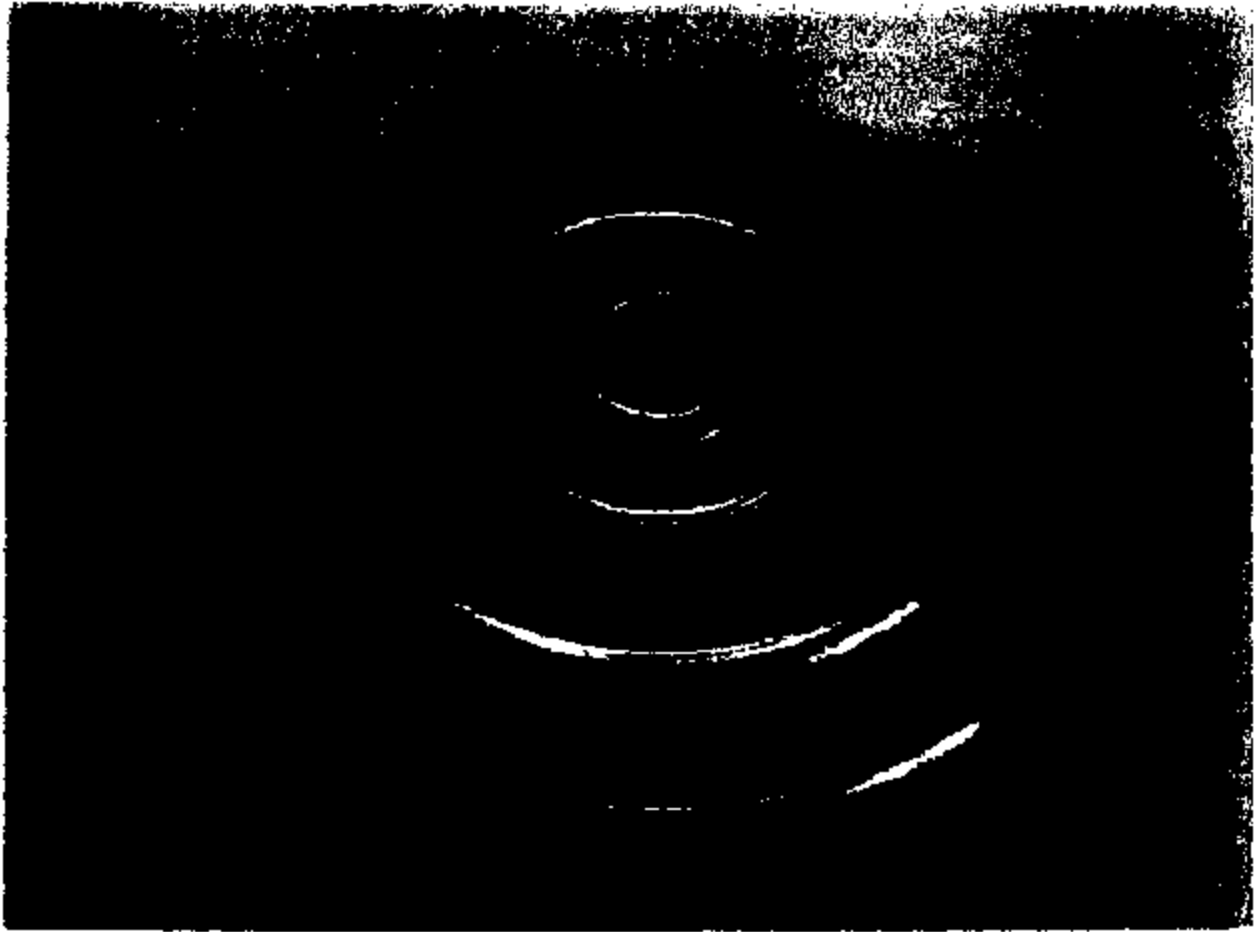
LETTER TO ODI

REQUEST # 5

BOX 6

PART A-M

PART H



TI-NHTSA 9029



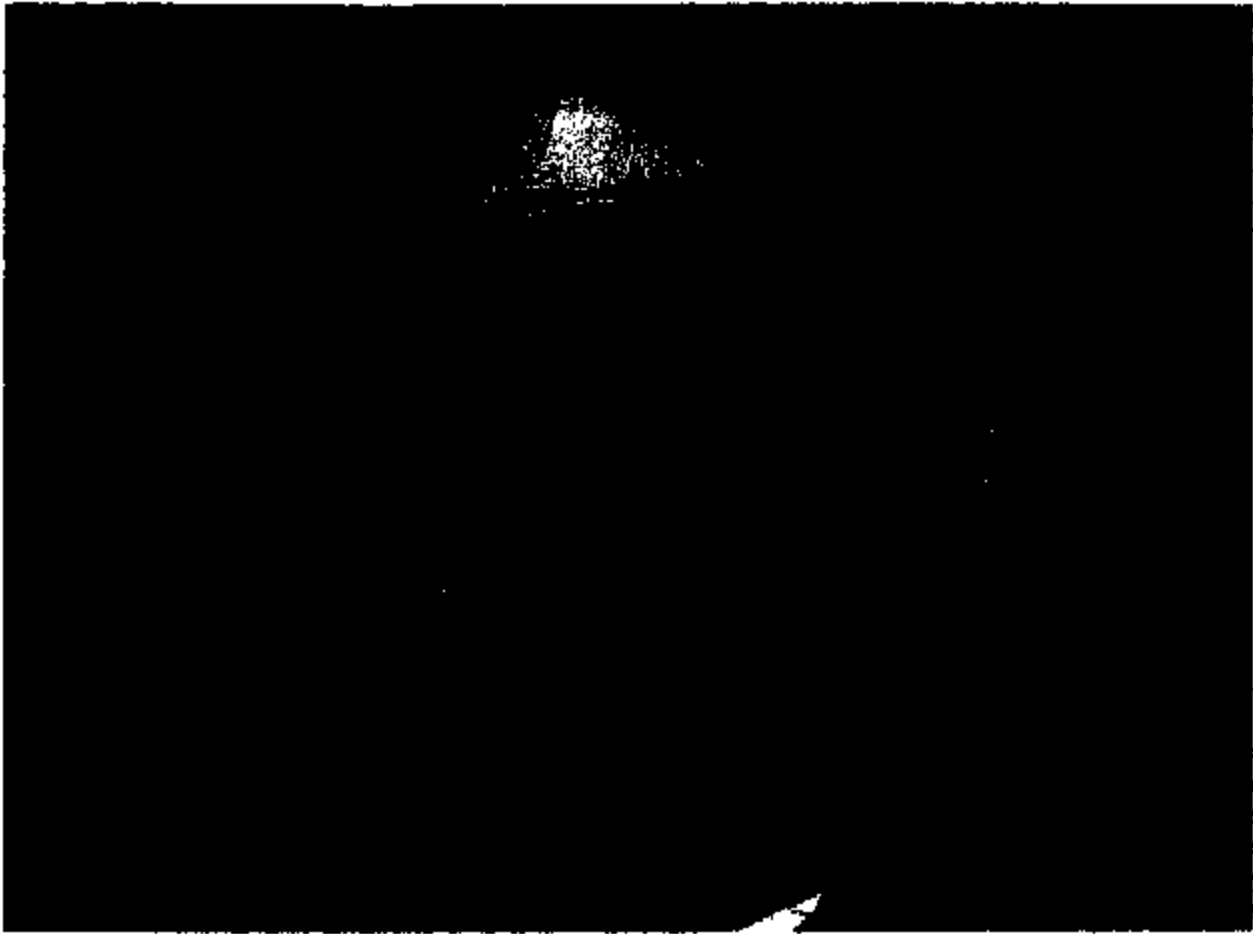
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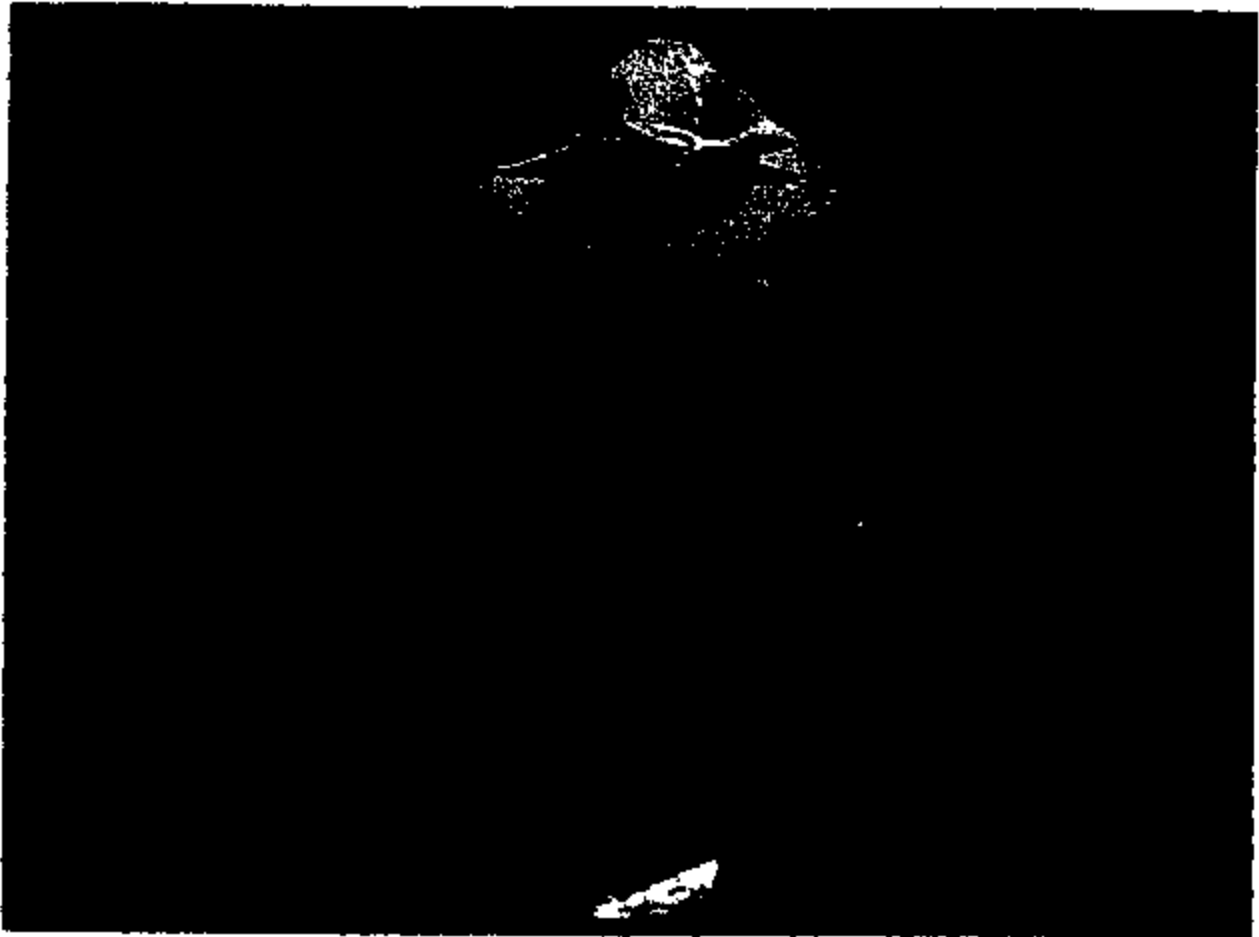
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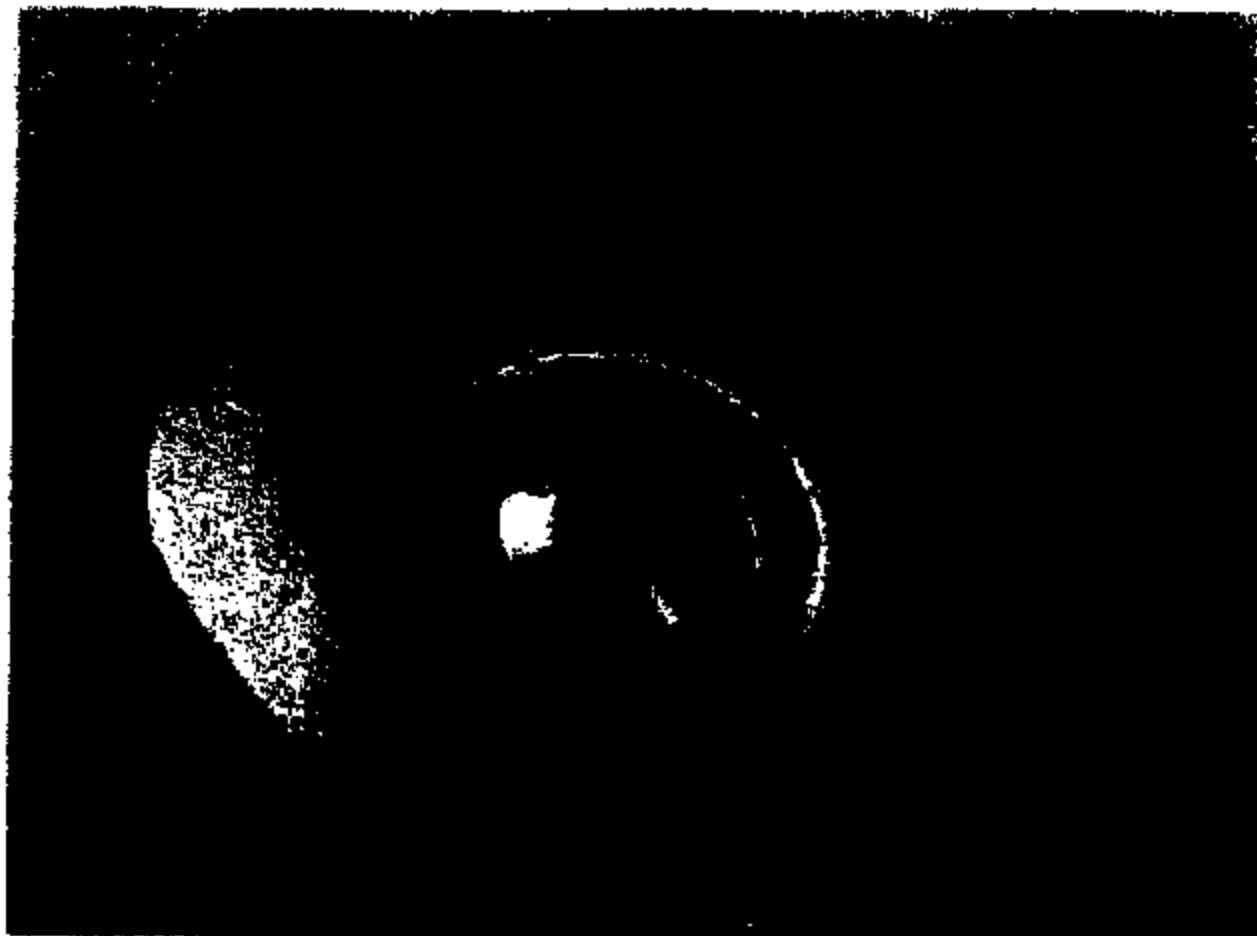
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TI-NHTSA 9034



TI-NHTSA 9035



TI-NHT8A 9036

77P812-1 Return Analysis Sheet

Device ID: 2782 Date: 2-4-77 Ford Part # AB
 Operator's Name: _____ Ser Date Code: _____ Technician: Pat

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

2 Current draw:
 Terminal to Terminal? 0.2 Ohms
 Terminal to Ground? 0.2 mA 14 Volt supply Current limited to 10 amps.

3 Open Crimp Ring

4 Visual Inspection
 Connector Leak? No Yes
 Component wear? None Light Medium Heavy
 BF 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 Discharge Inspection

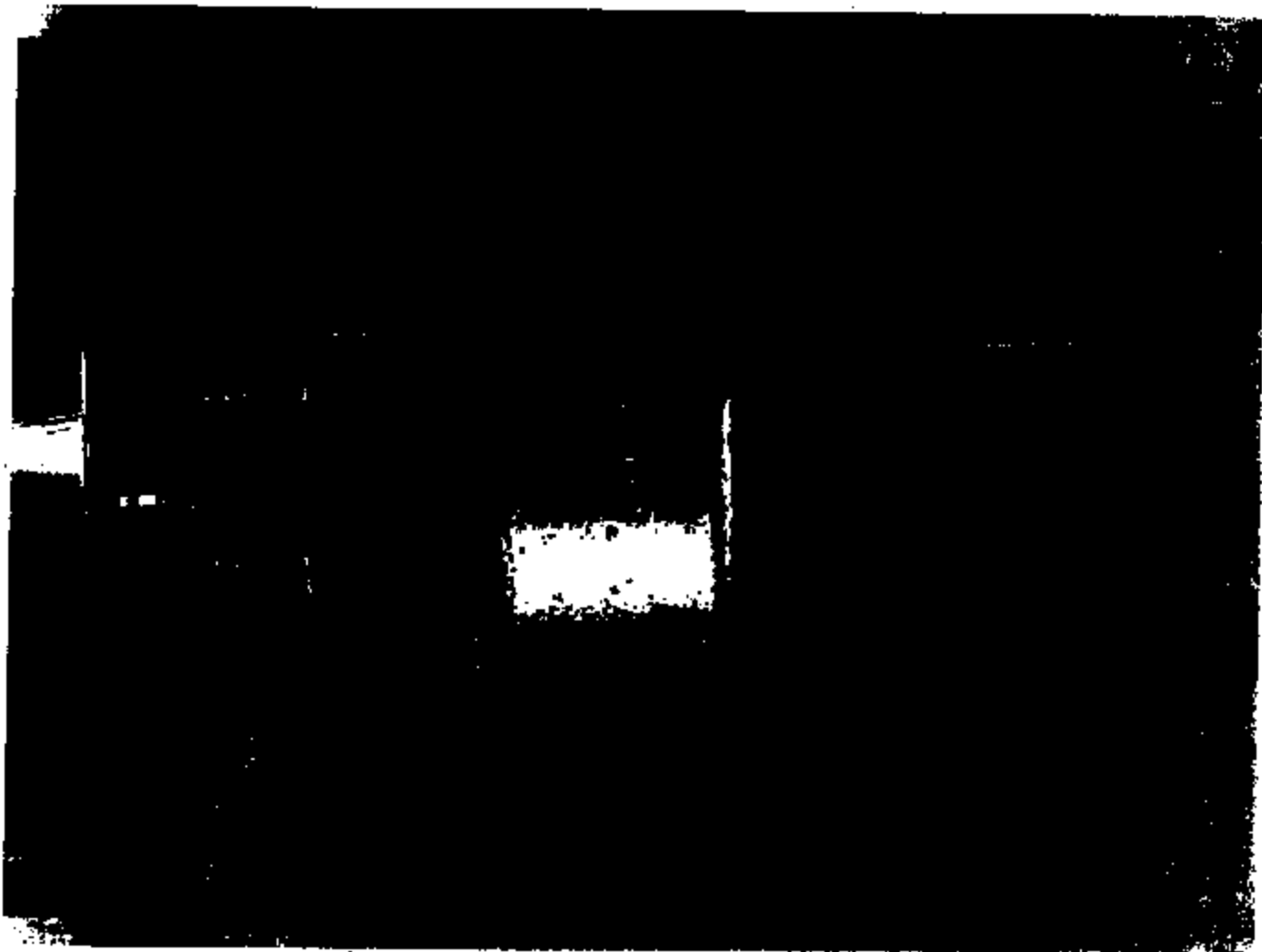
	Neutral Fluid			Mats			Neutral Converter		
	Fluid	SI	Connector	Fluid	SI	Connector	Fluid	SI	Connector
	Telton	Kapton	Telton	Telton	Kapton	Telton	Telton	Kapton	Telton
Telton stretch	✓		✓	✓		✓	✓		✓
Telton crimp	✓		✓	✓		✓	✓		✓
Telton separator	✓		✓	✓		✓	✓		✓
Kapton crimp		✓			✓			✓	
Brake return	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wear particles/dissolution	✓	✓	✓	✓	✓	✓	✓	✓	✓

8 Gasket Inspection
 Present? Yes No
 Nonseparating material? No
 Gasket thickness: 0.0205 inches
0.0215 inches
0.0211 inches

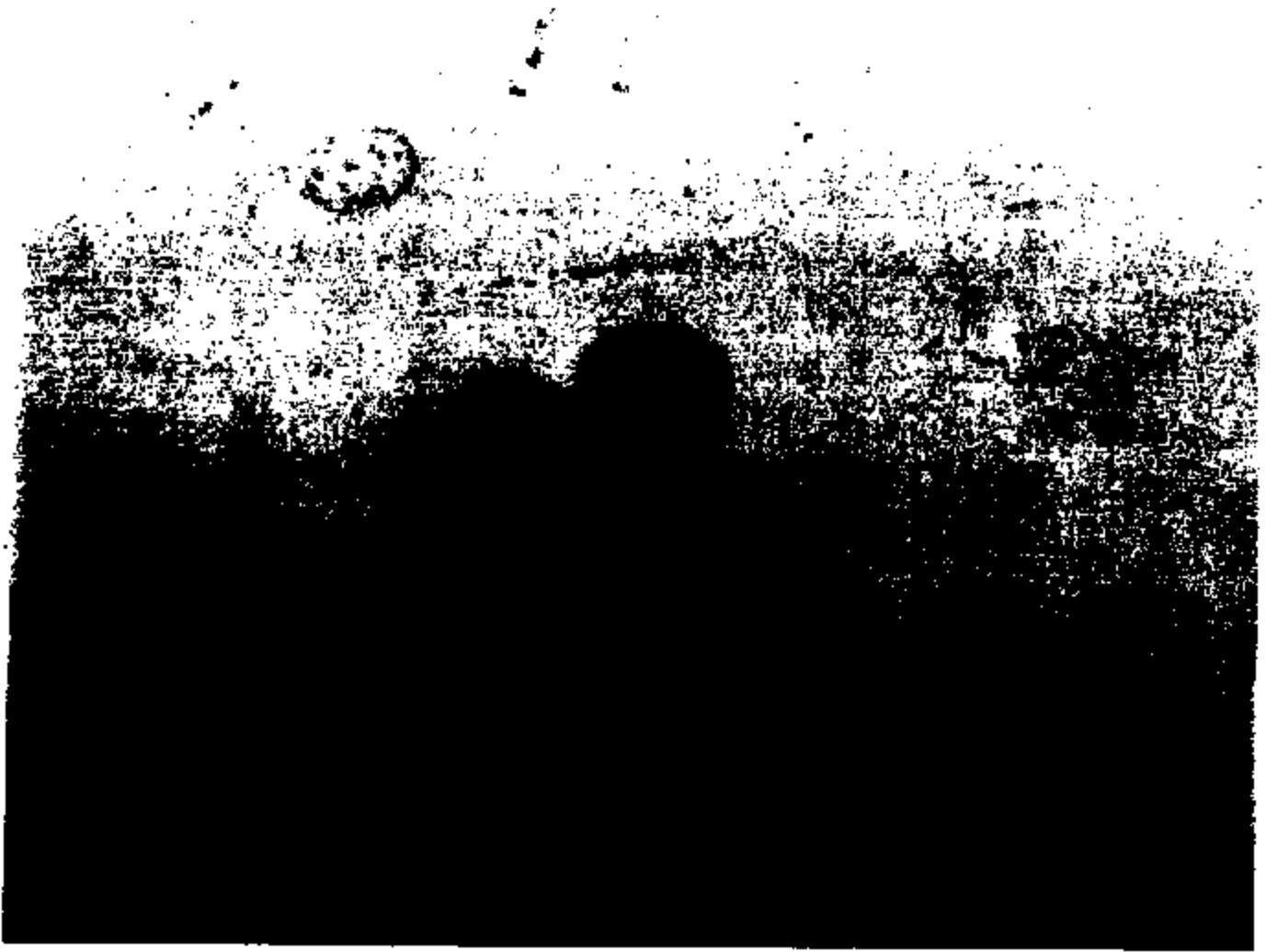
9 Package and Store

10 Analysis Summary: NTF Issue Discovered

TI-NHTSA 9037



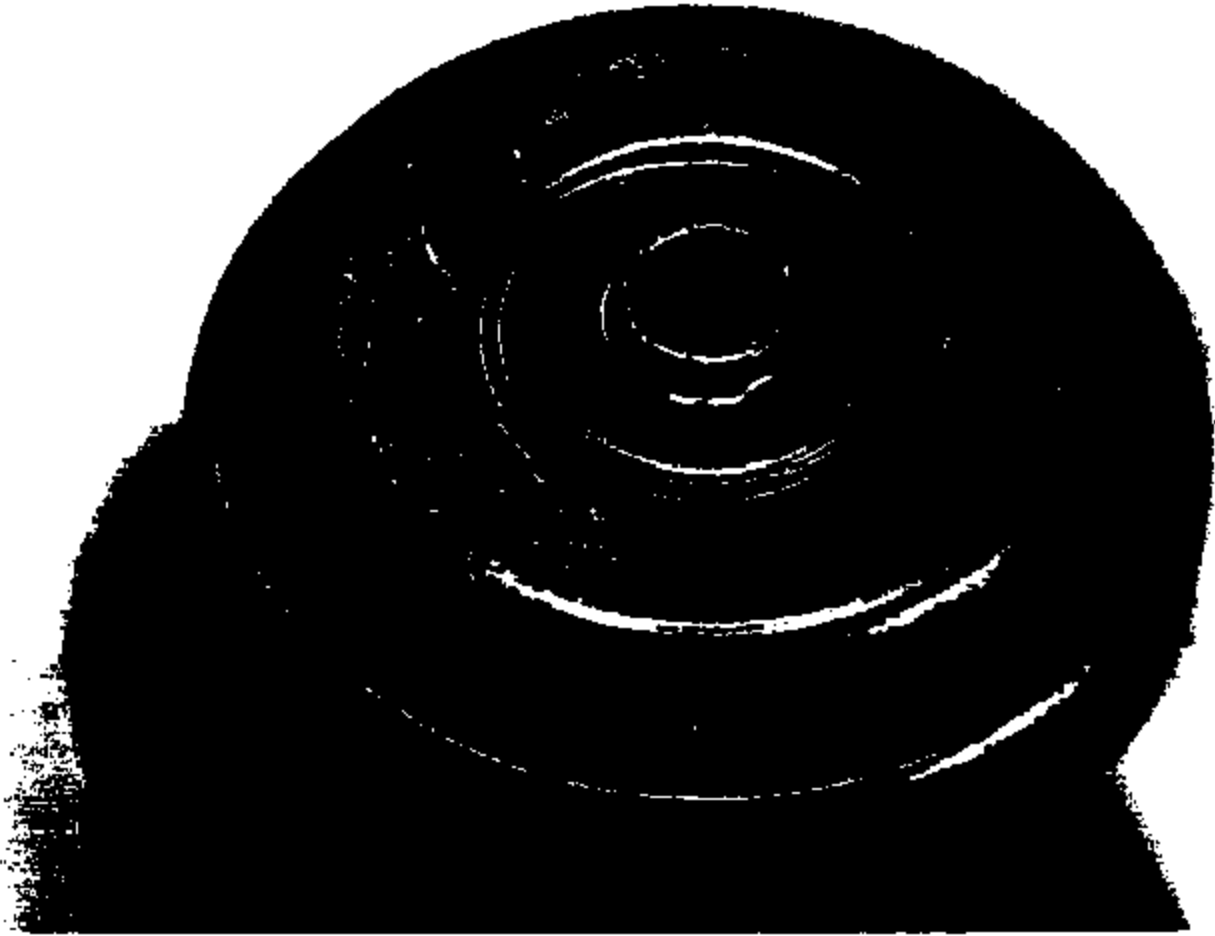
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TI-NHTSA 9039



TI-NHTSA 9040



TI-NHTSA 9041



1 side 1

TI-NHTSA 9042



1 side 2

TI-NHTSA 9043



2 side 1

TI-NHTSA 9044



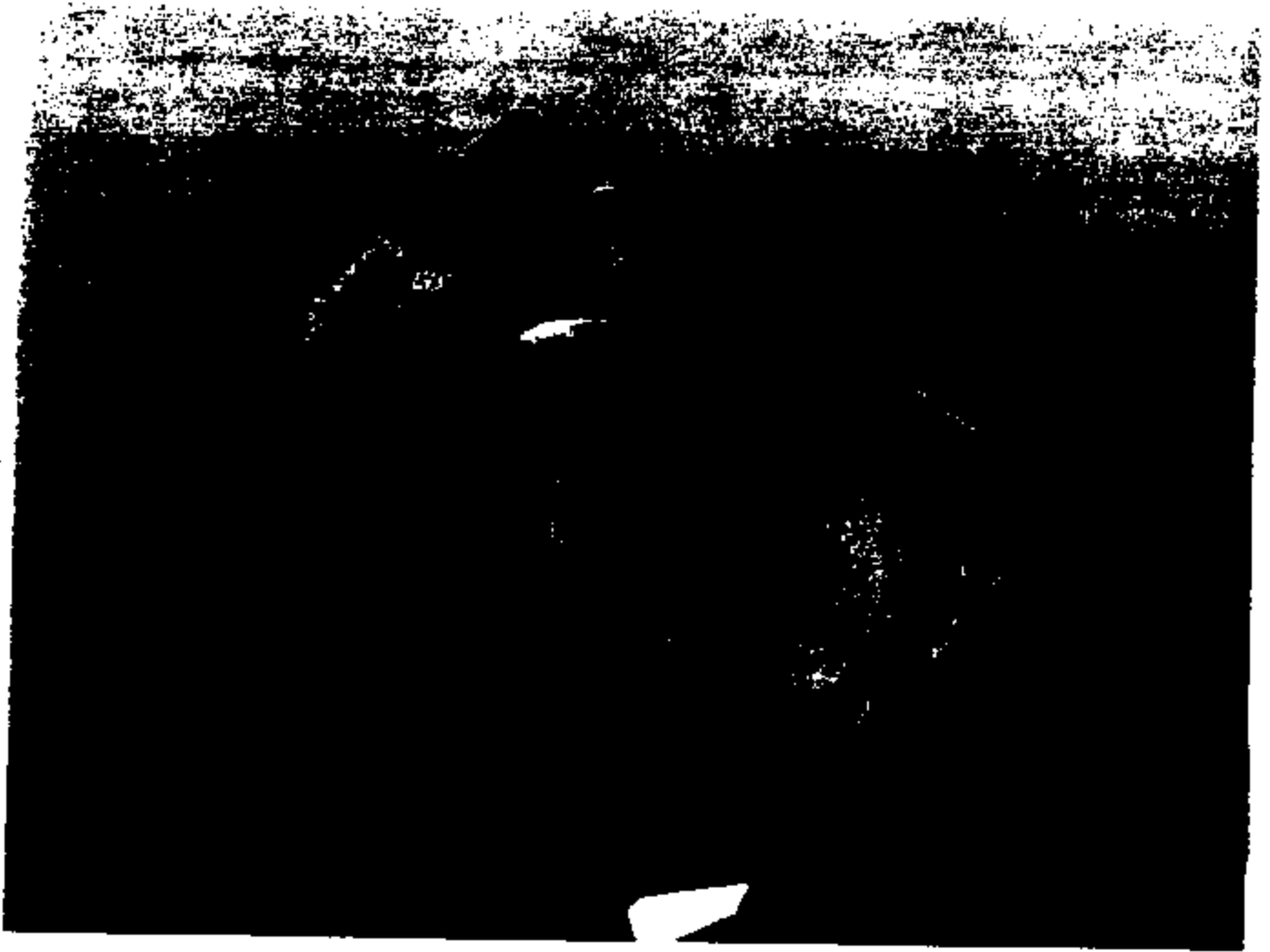
2 side 2

TI-NHTSA 9045



3 side 1

TI-NHTSA 9048



3 side 2

TI-NHTSA 9047

device 0812-23

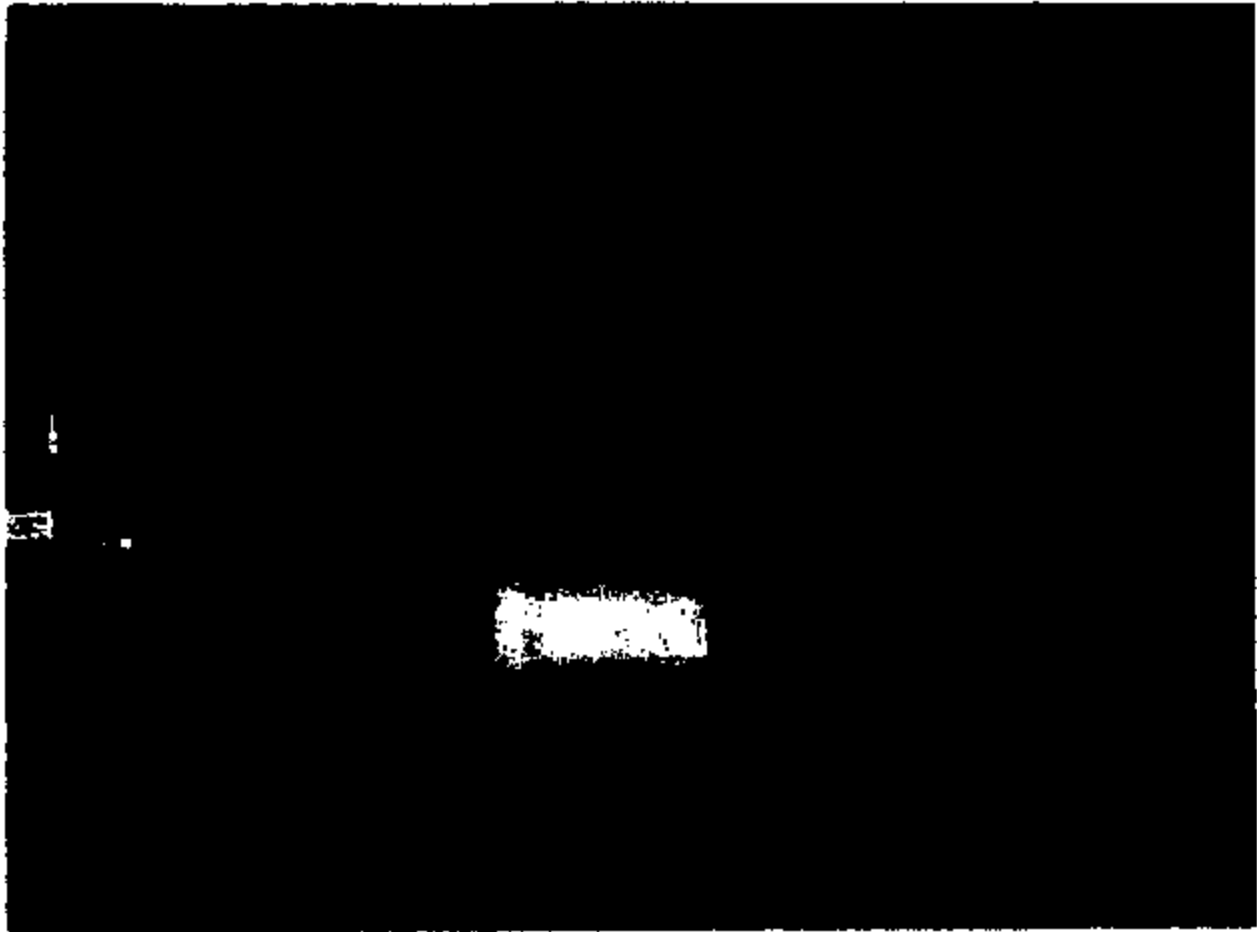


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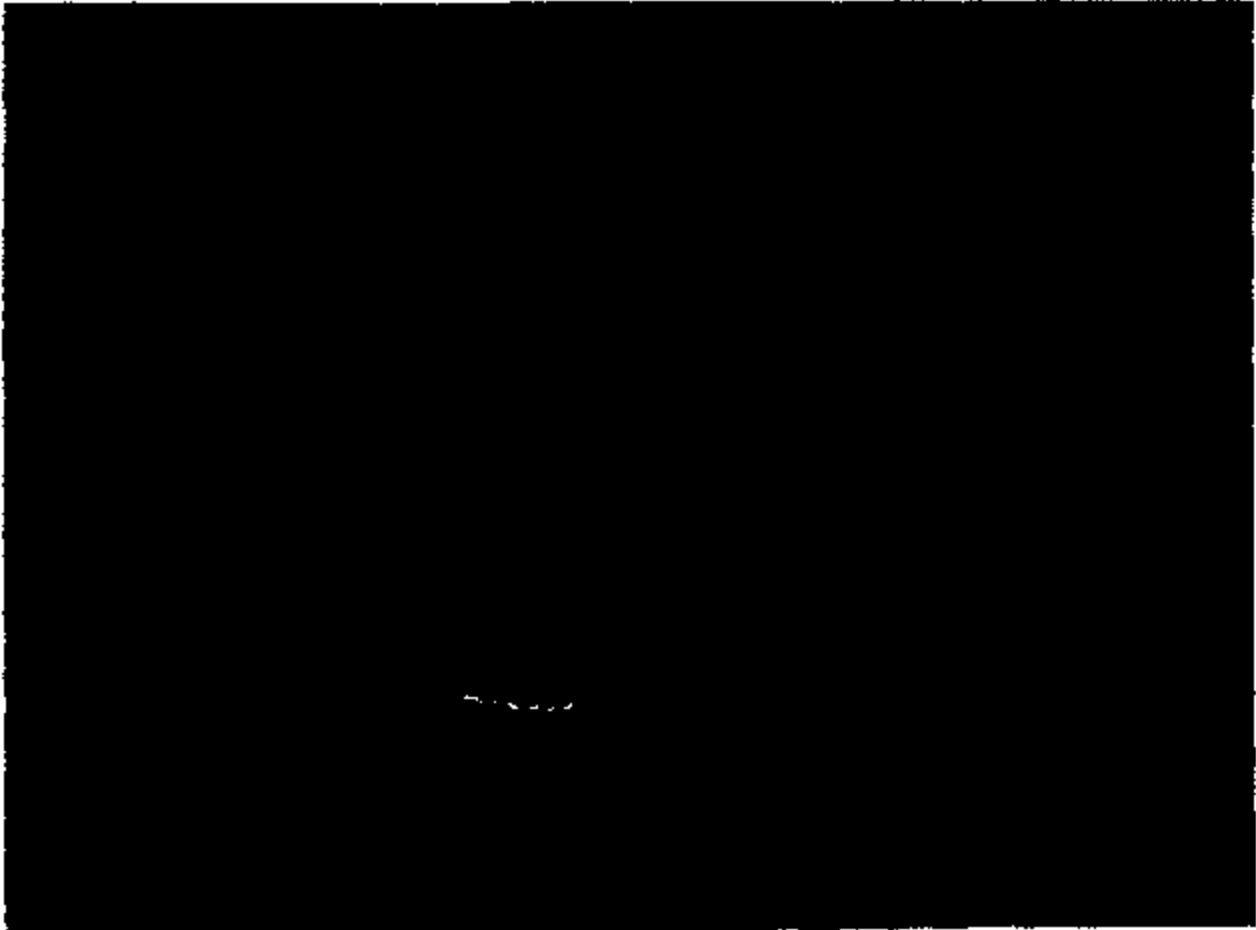
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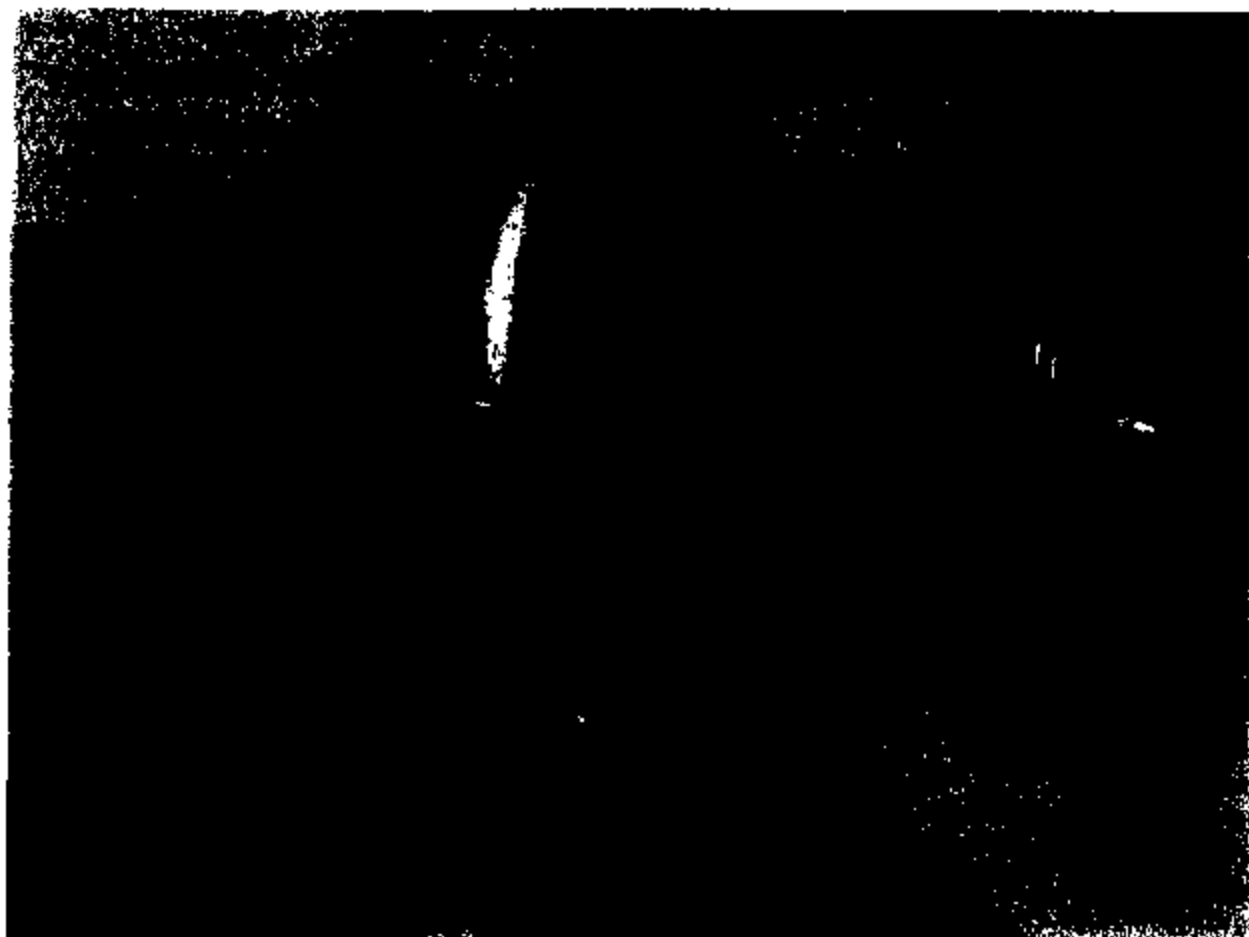
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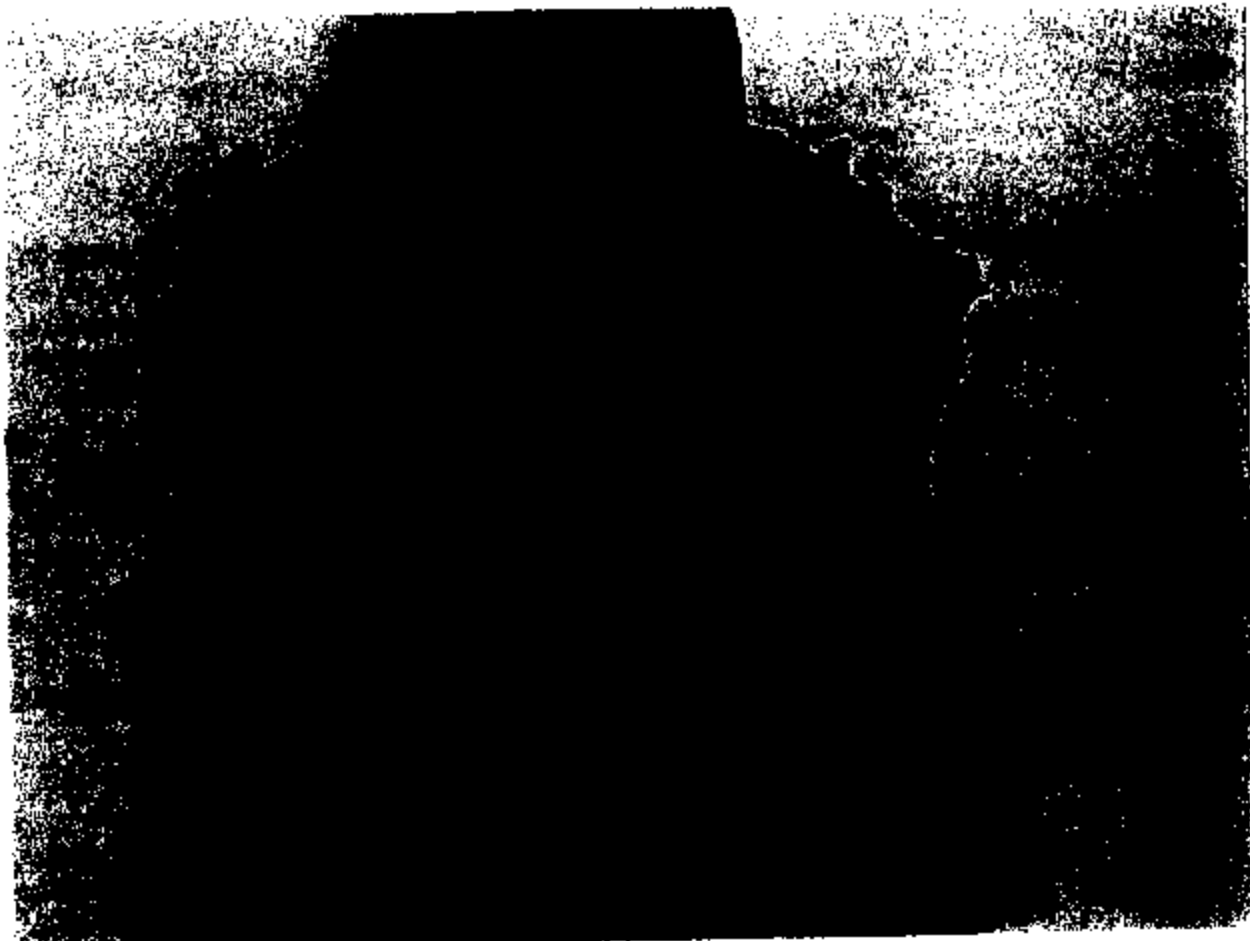
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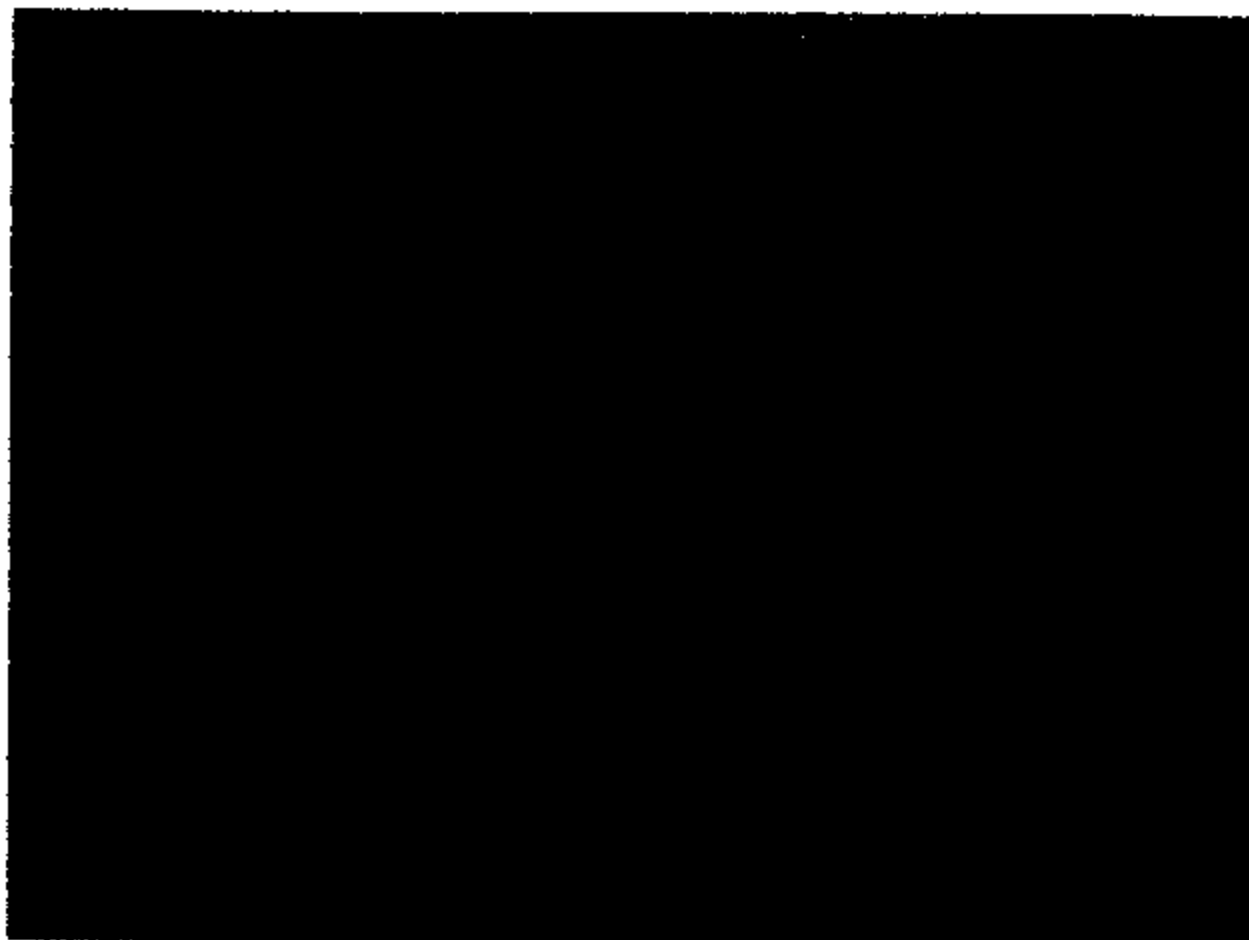


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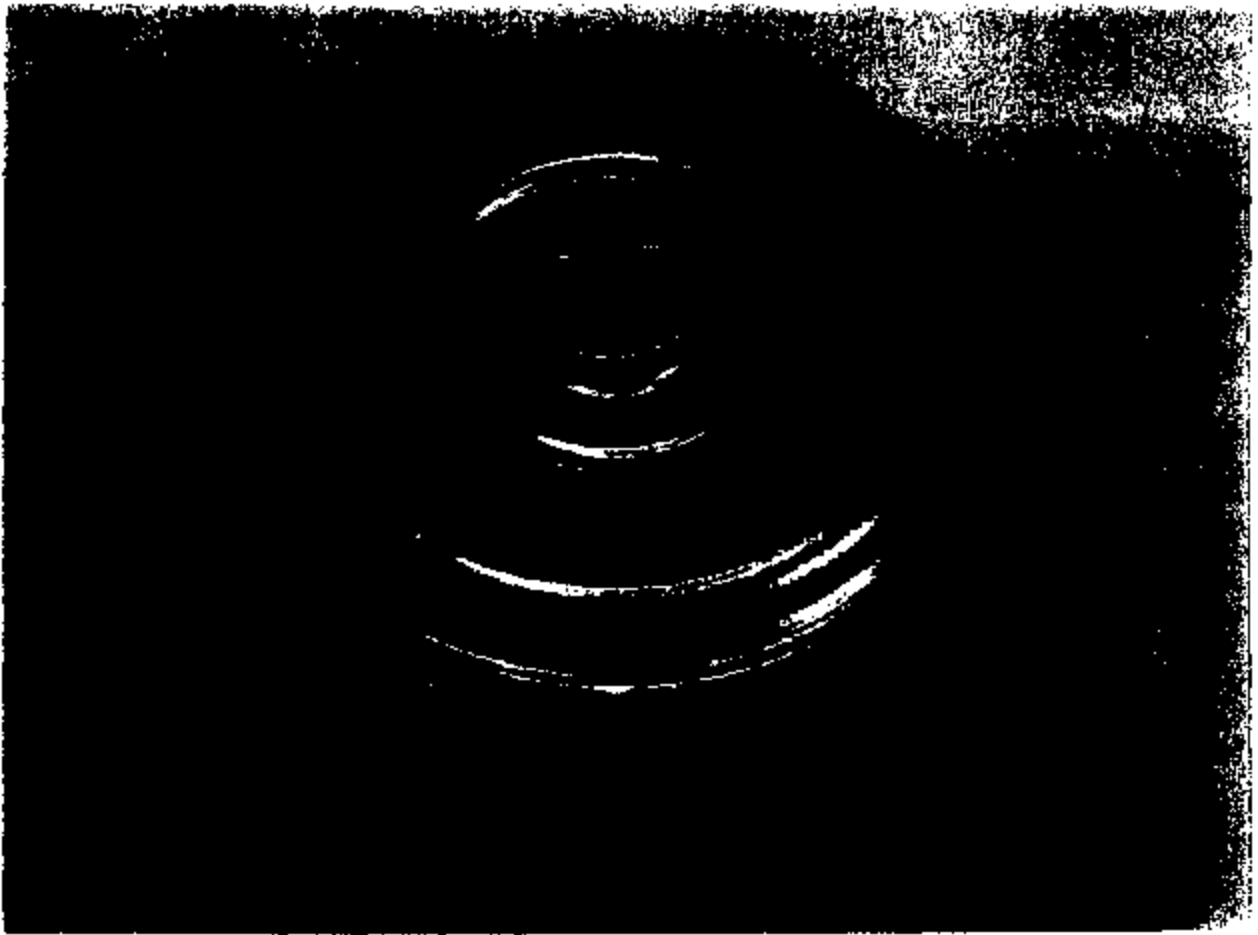
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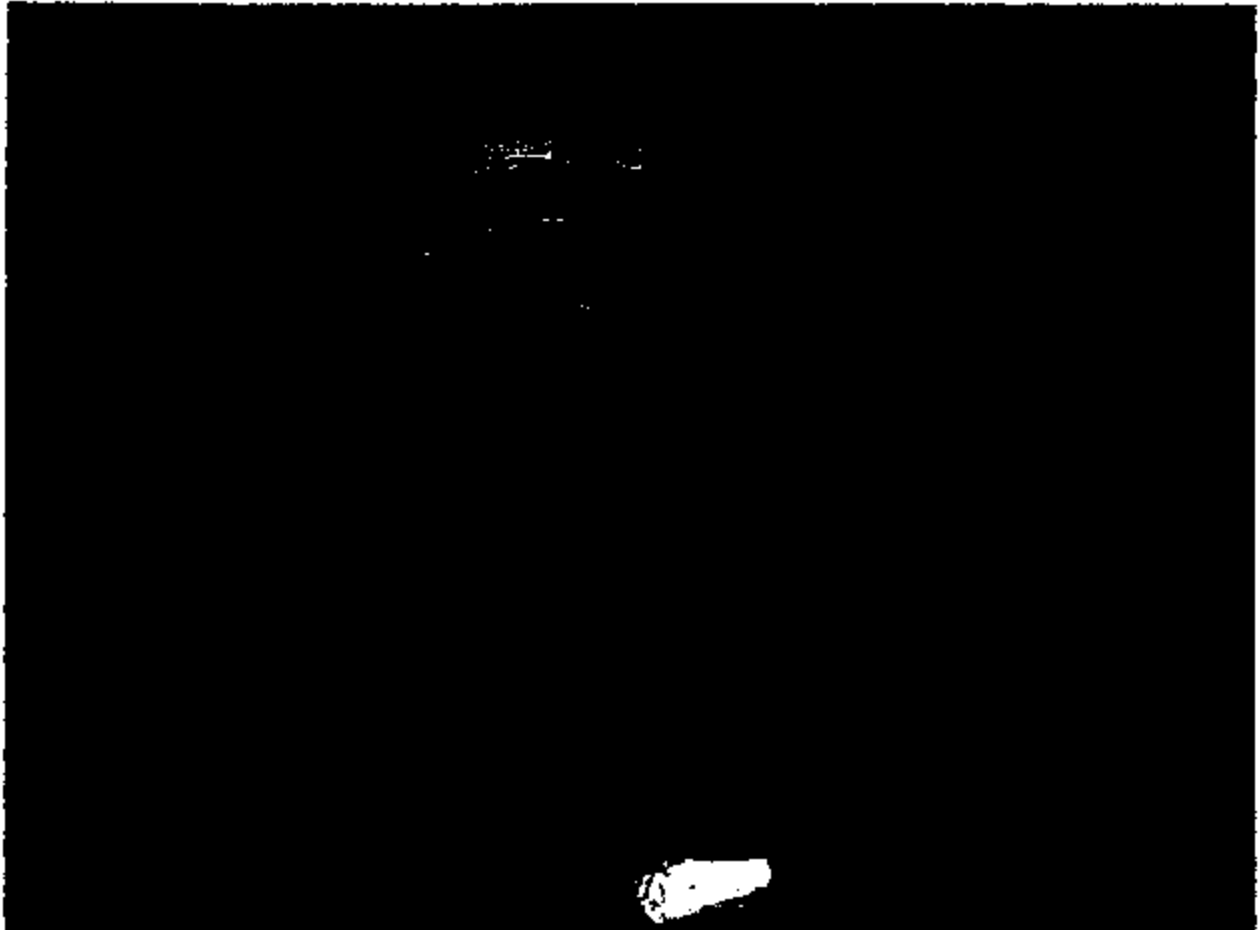




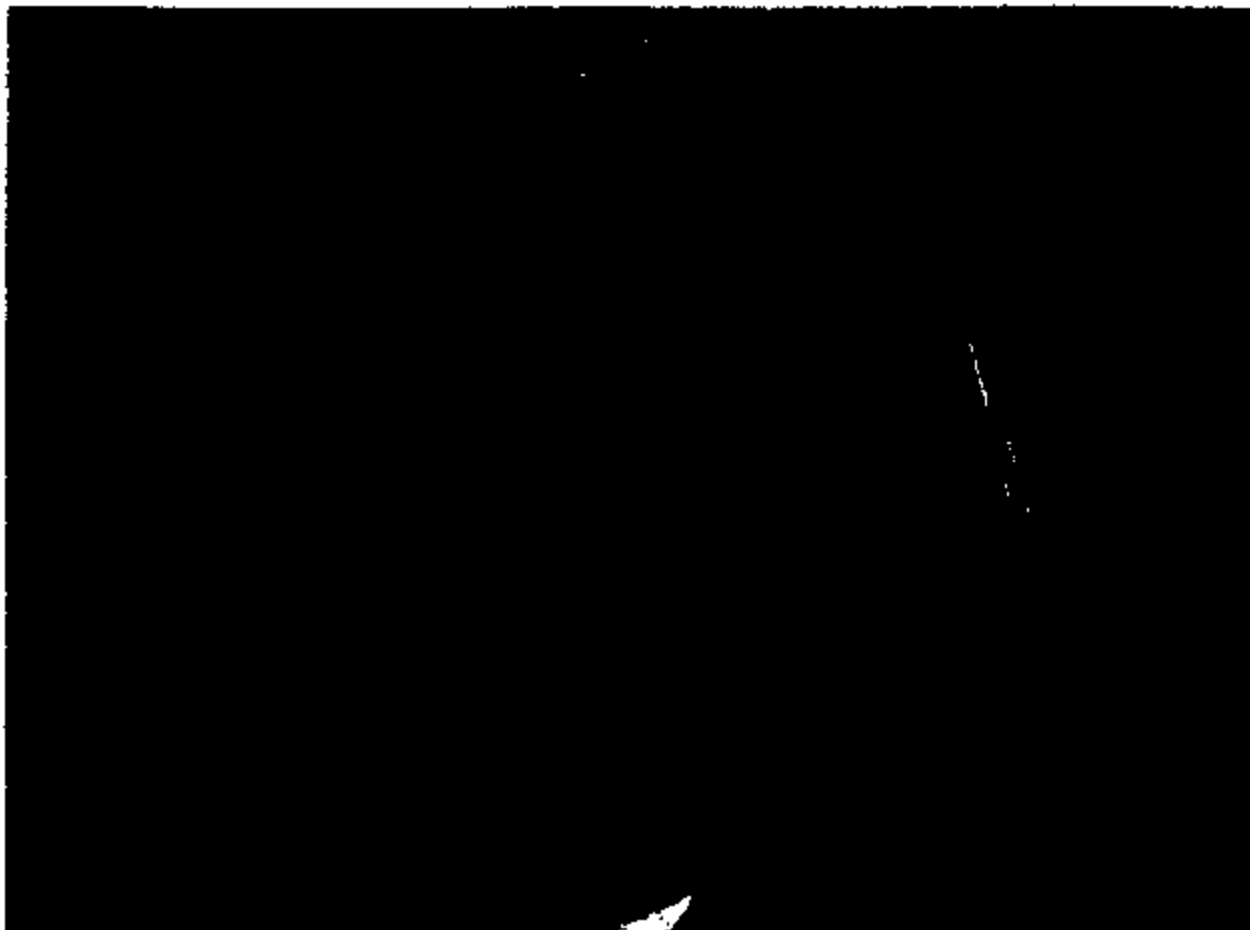




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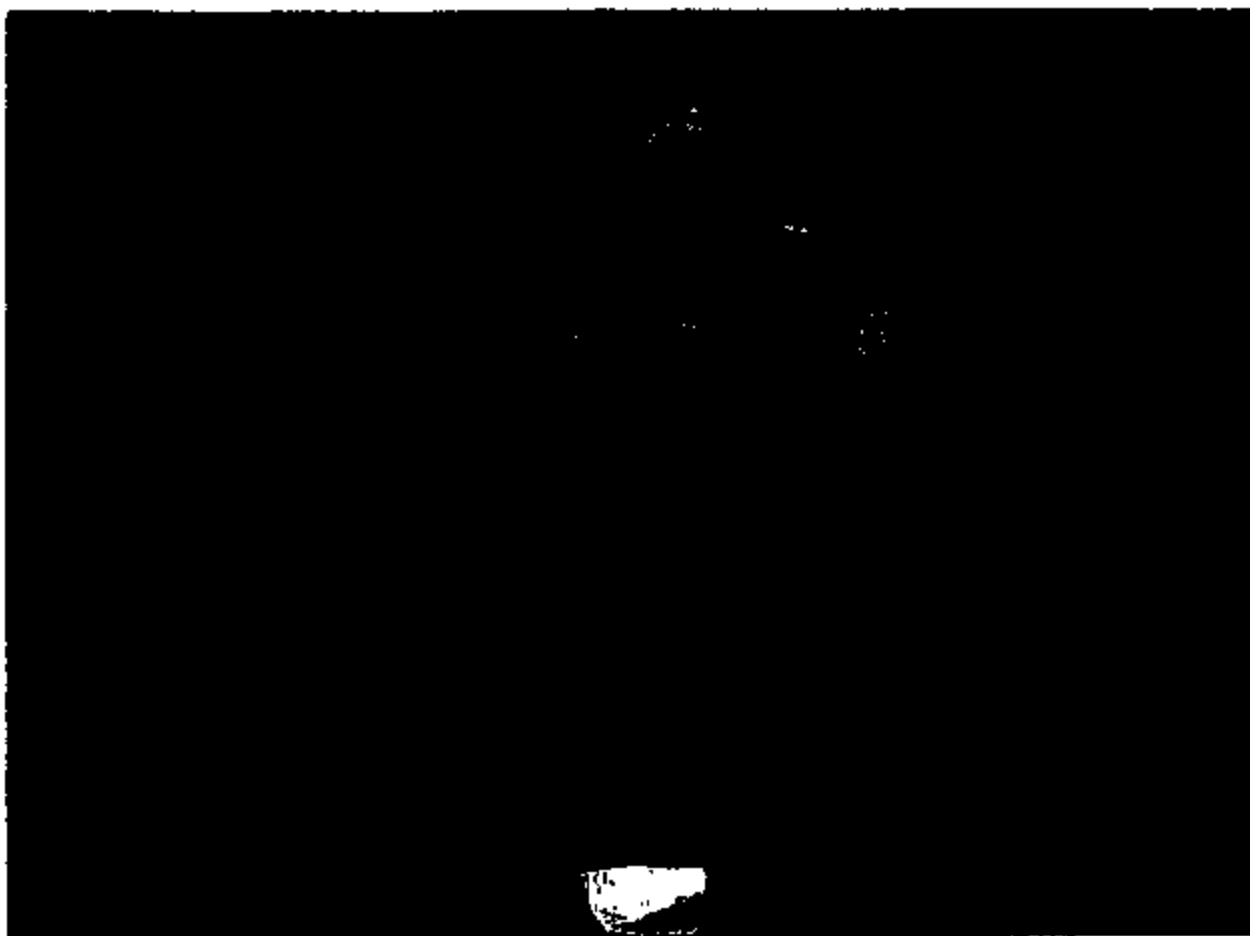
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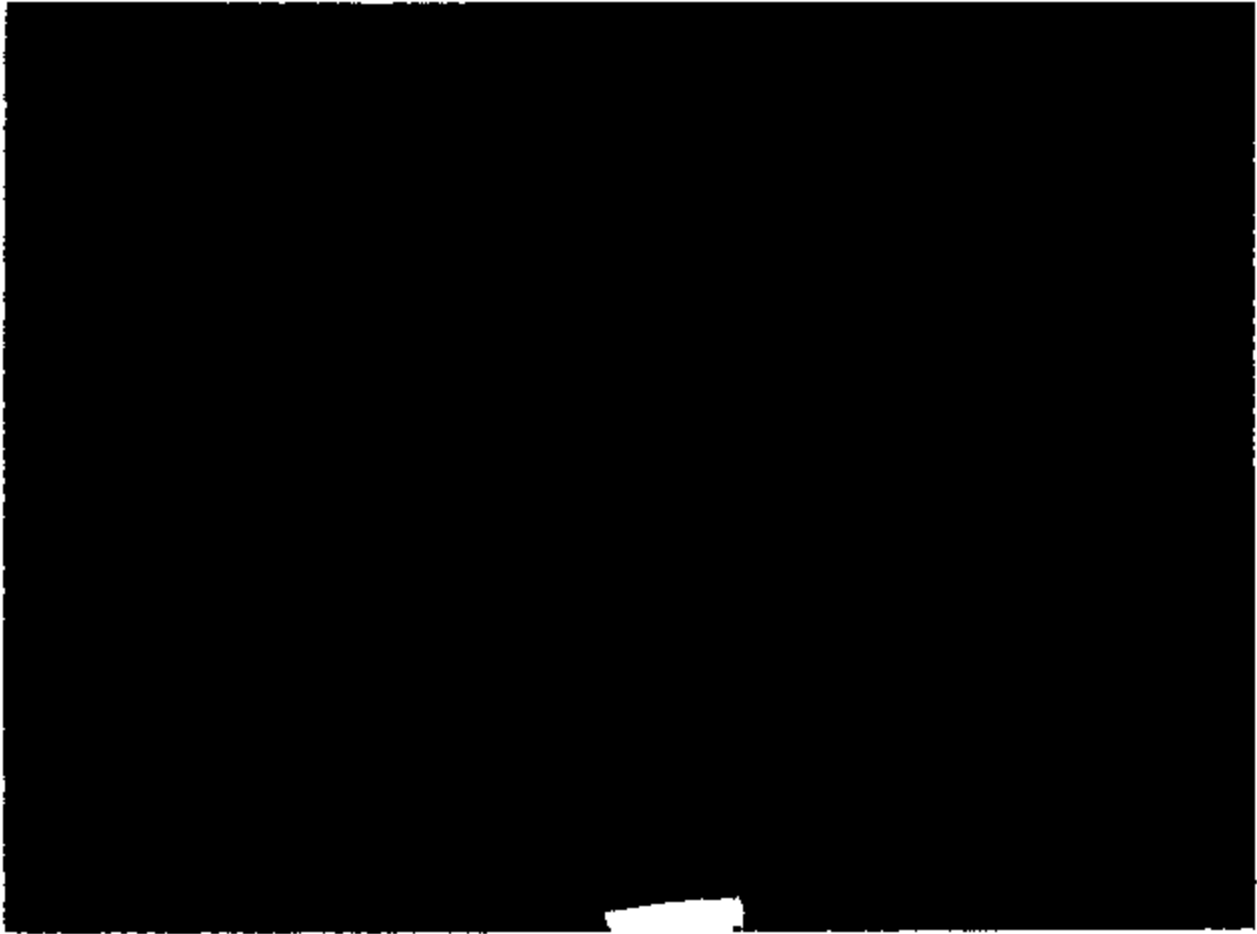
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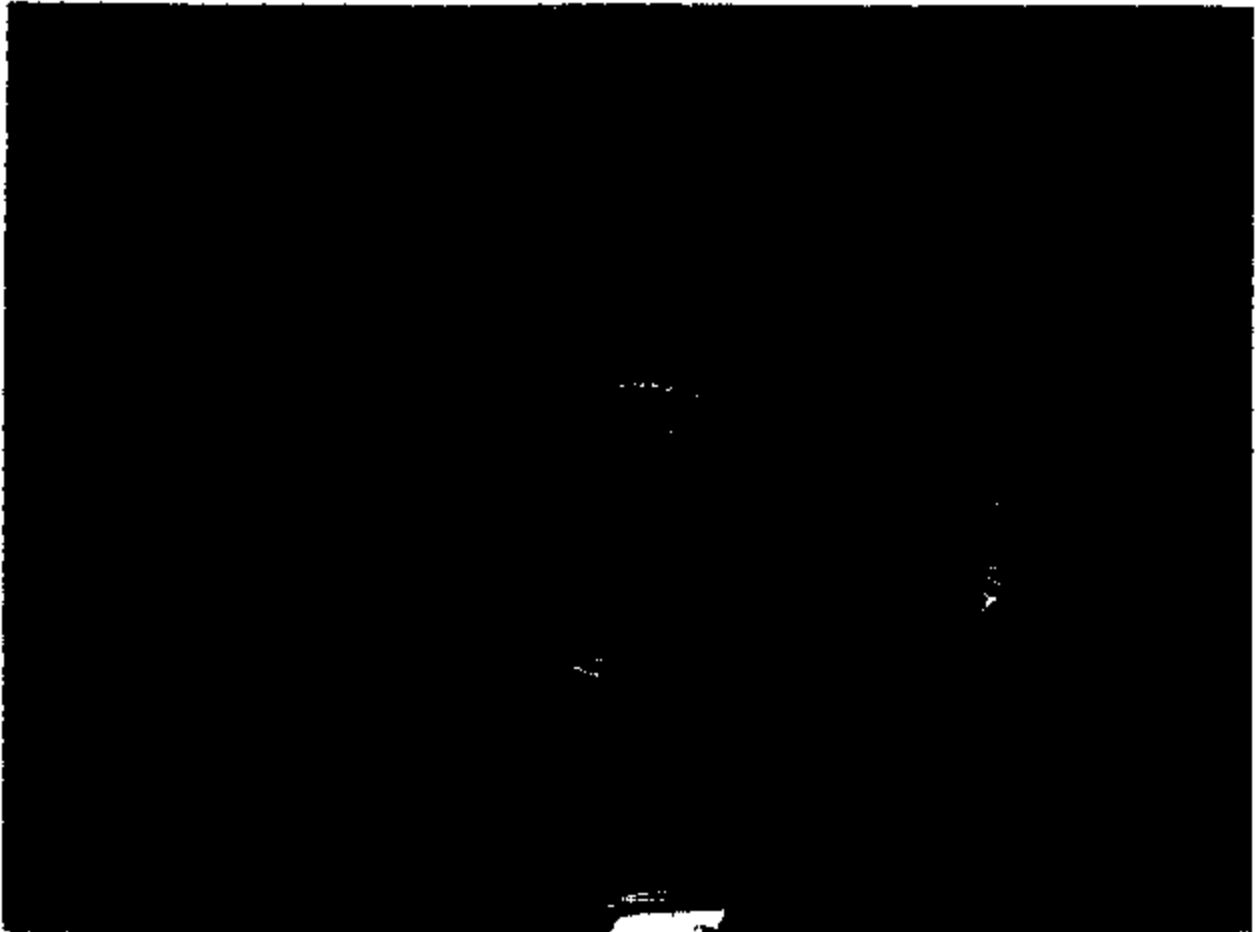
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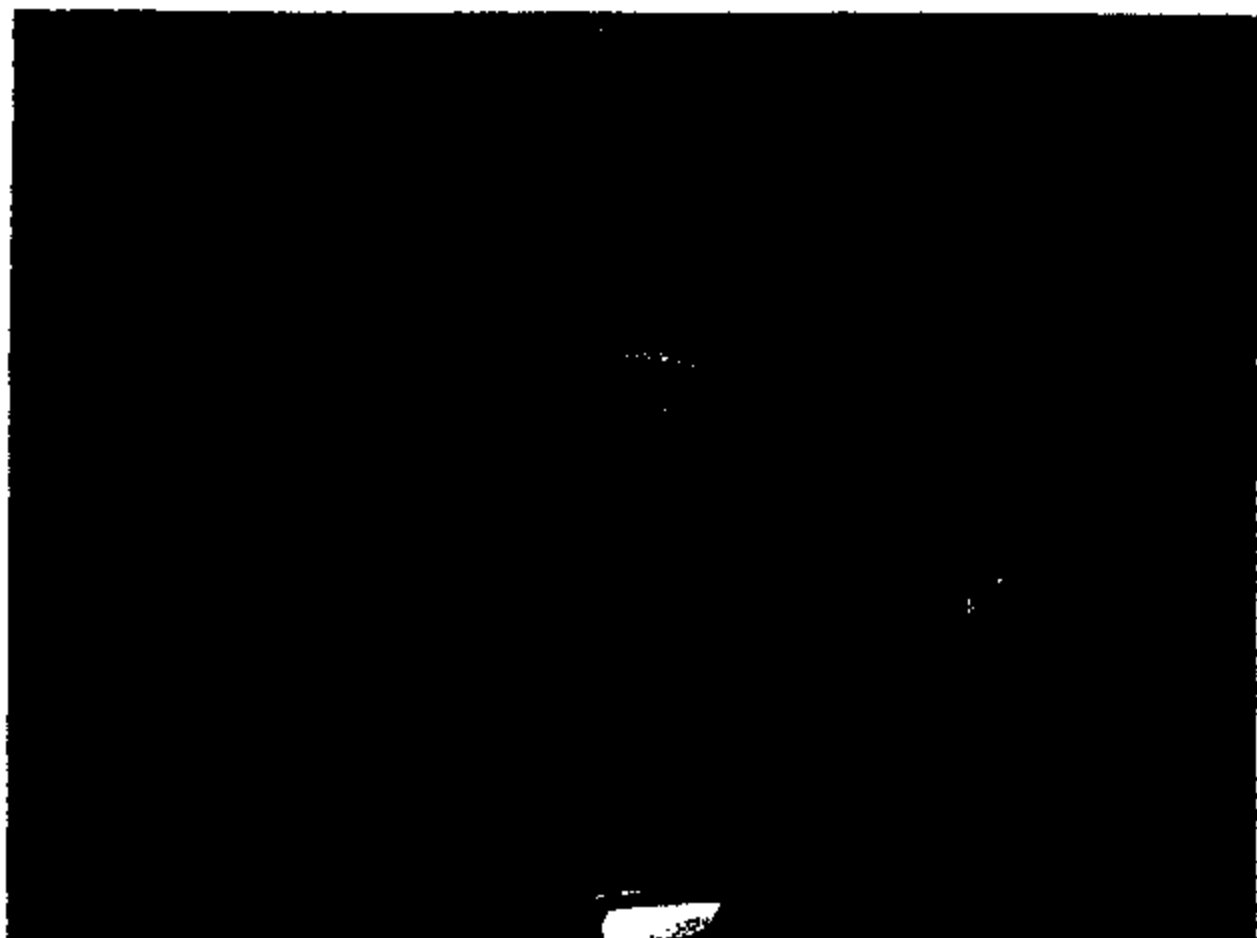
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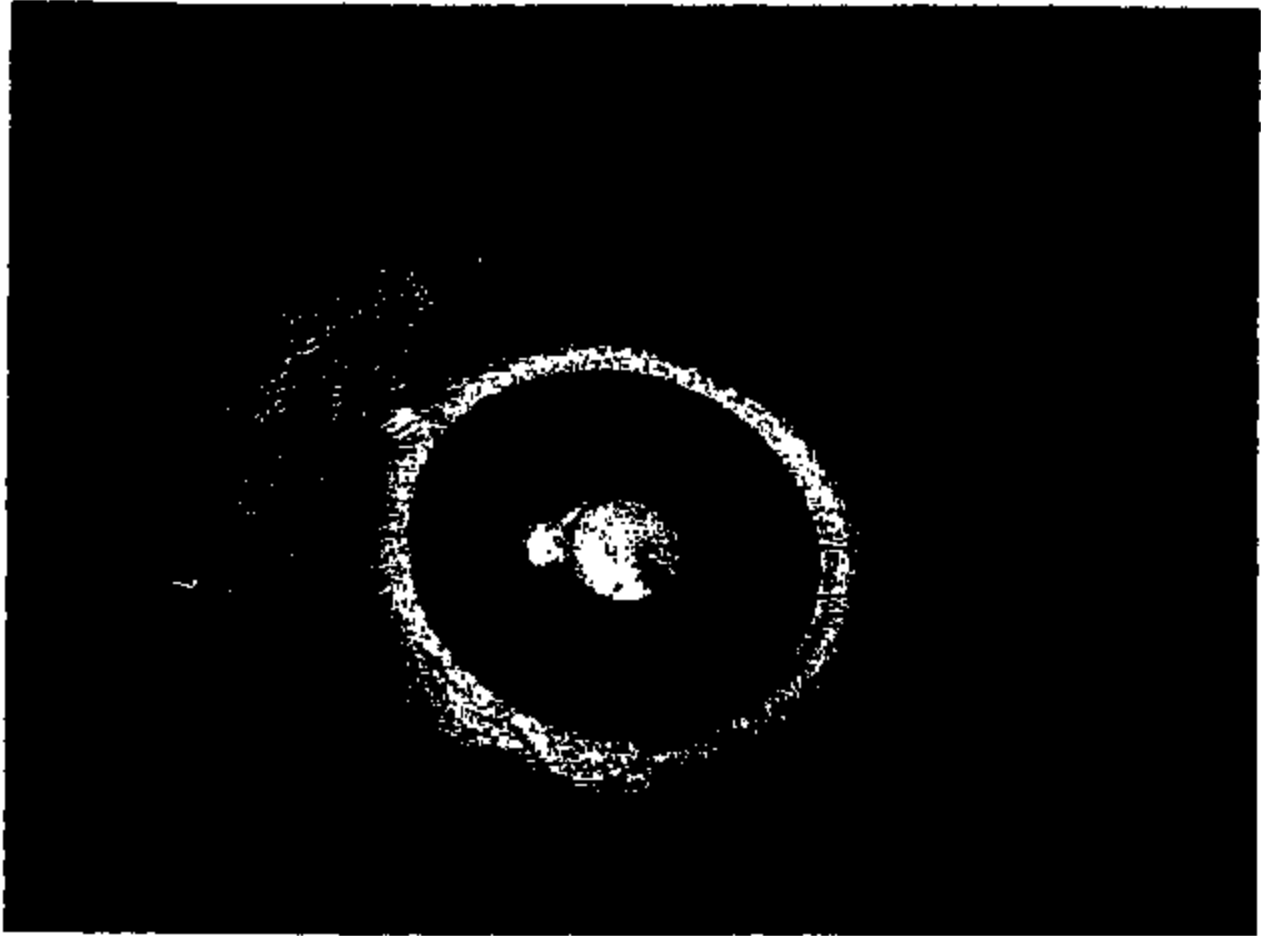
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TI-NHTSA 9065



TI-NHTSA 9086



TI-NHTSA 9067

77PSL2-1 Return Analysis Sheet

Vehicle ID: 42222 Date: 11/22/77 Ford Part # AP

Operator's Name: _____ Sw Date Code: _____ Technician: AT

1 Visual Inspection

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

2 Current draw :

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

3 Open Drive Ring

4 Visual Inspection

Connector Lock? No Yes
 Component wear? No Light Medium Heavy
 BF leak? No Yes
 Environment seal condition? Good Bad
 If seal bad, Why?
 Corrosion? Yes No
 Pictures

5 Leak Test Sensor Agm.

Fail Fail

6 Open Cup Oring.

7 Discharge Inspection

	Nearest Fluid			Middle			Nearest Converter		
	Fluid Teflon	#1 Kerosen	Converter Teflon	Fluid Teflon	#2 Kerosen	Converter Teflon	Fluid Teflon	#2 Kerosen	Converter Teflon
Teflon screen	Y		Y	Y		Y	Y		Y
Teflon gasket	Y		N	N		N	N		N
Teflon disassembly	Y		N	N		N	N		N
Kerosen gasket		N			N			N	
Strut piston		N			N			N	
Wear particles/contamination	N	N	N	N	N	N	N	N	Y

8 Gasket Inspection

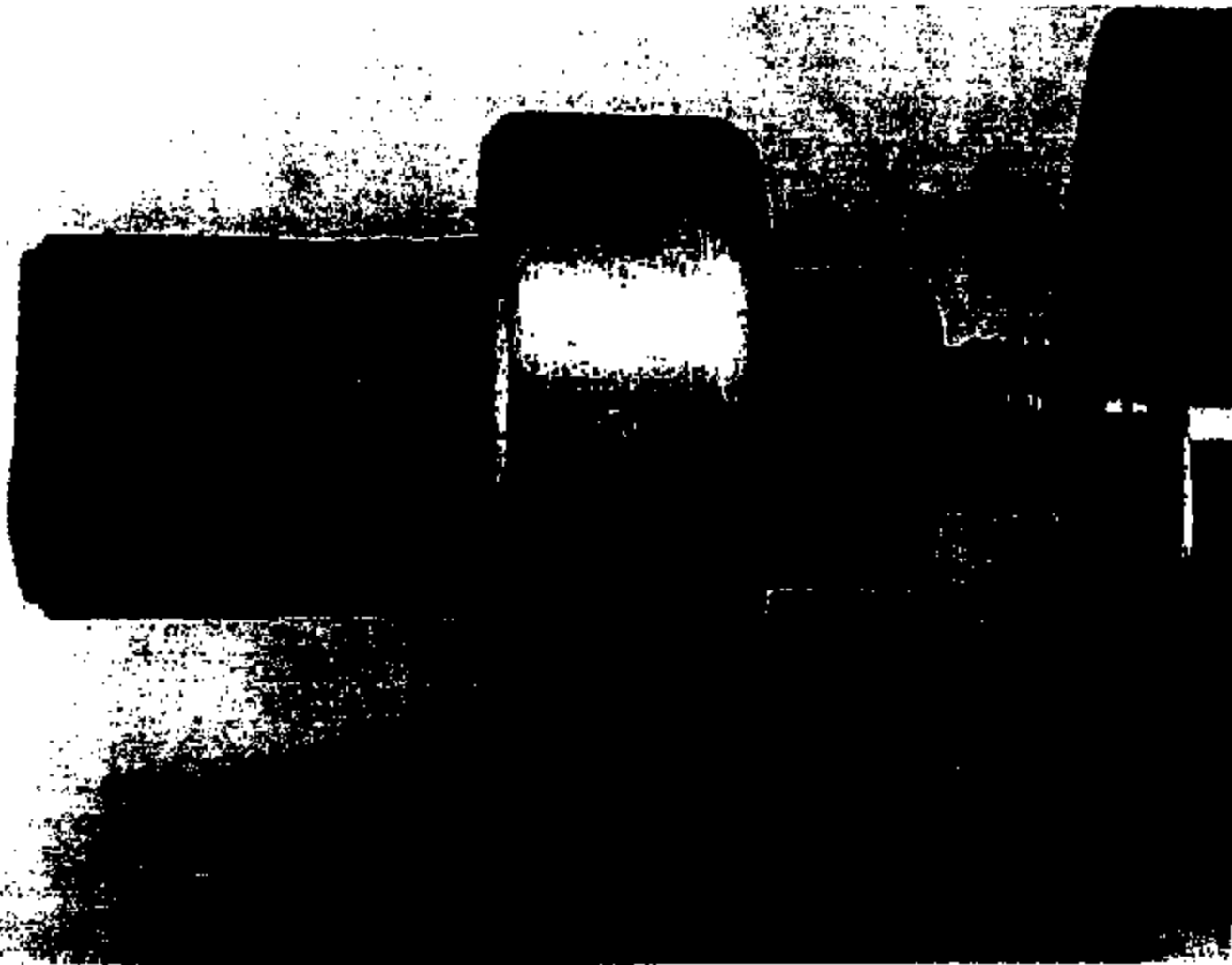
Present? Yes No
 Abbricating material? Yes
 Gasket thickness: 0.1225 inches
0.01925 inches
0.2295 inches

9 Package and Store

10 Analysis Summary:

NTF Item Observed
Excessive corrosion
note to customer

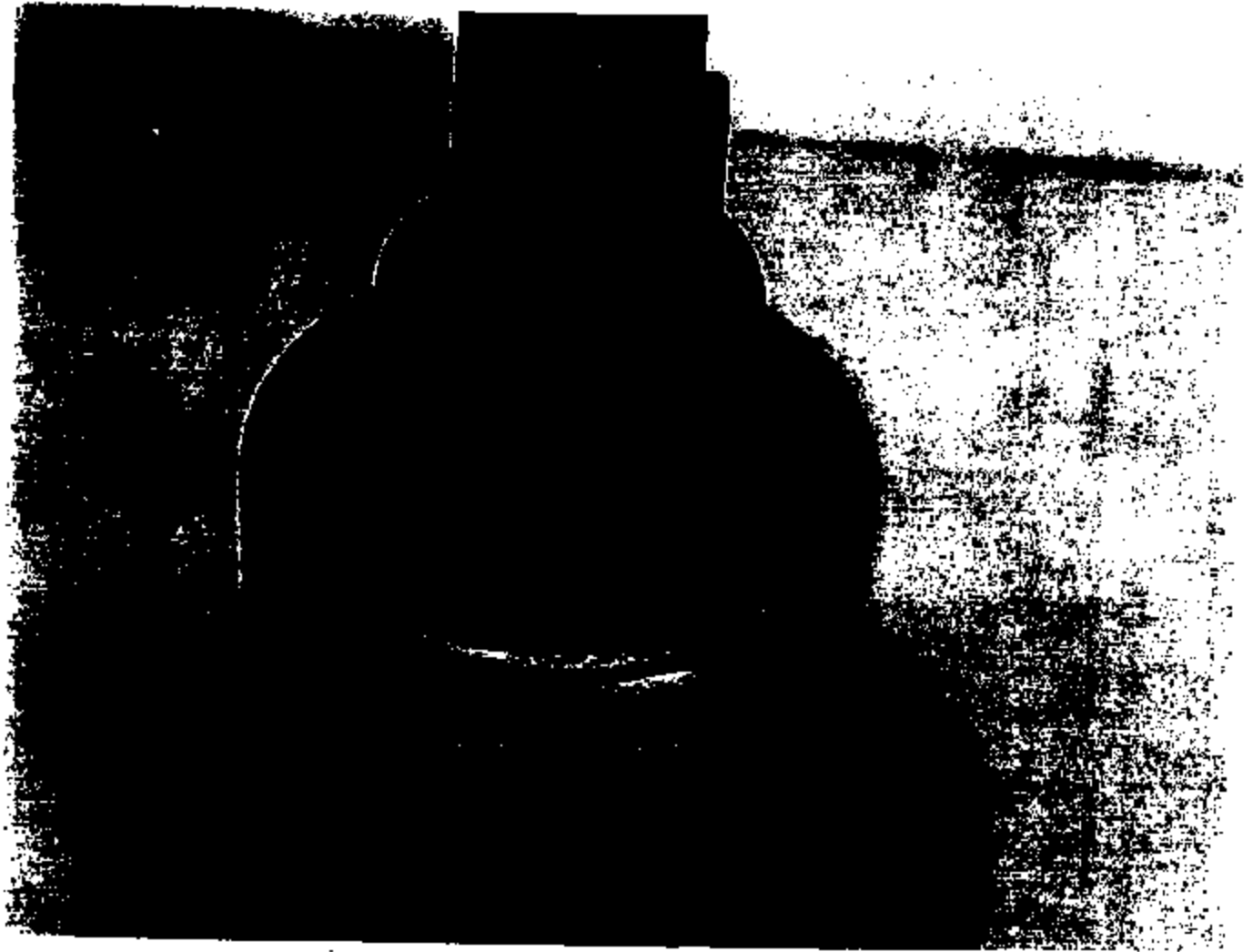
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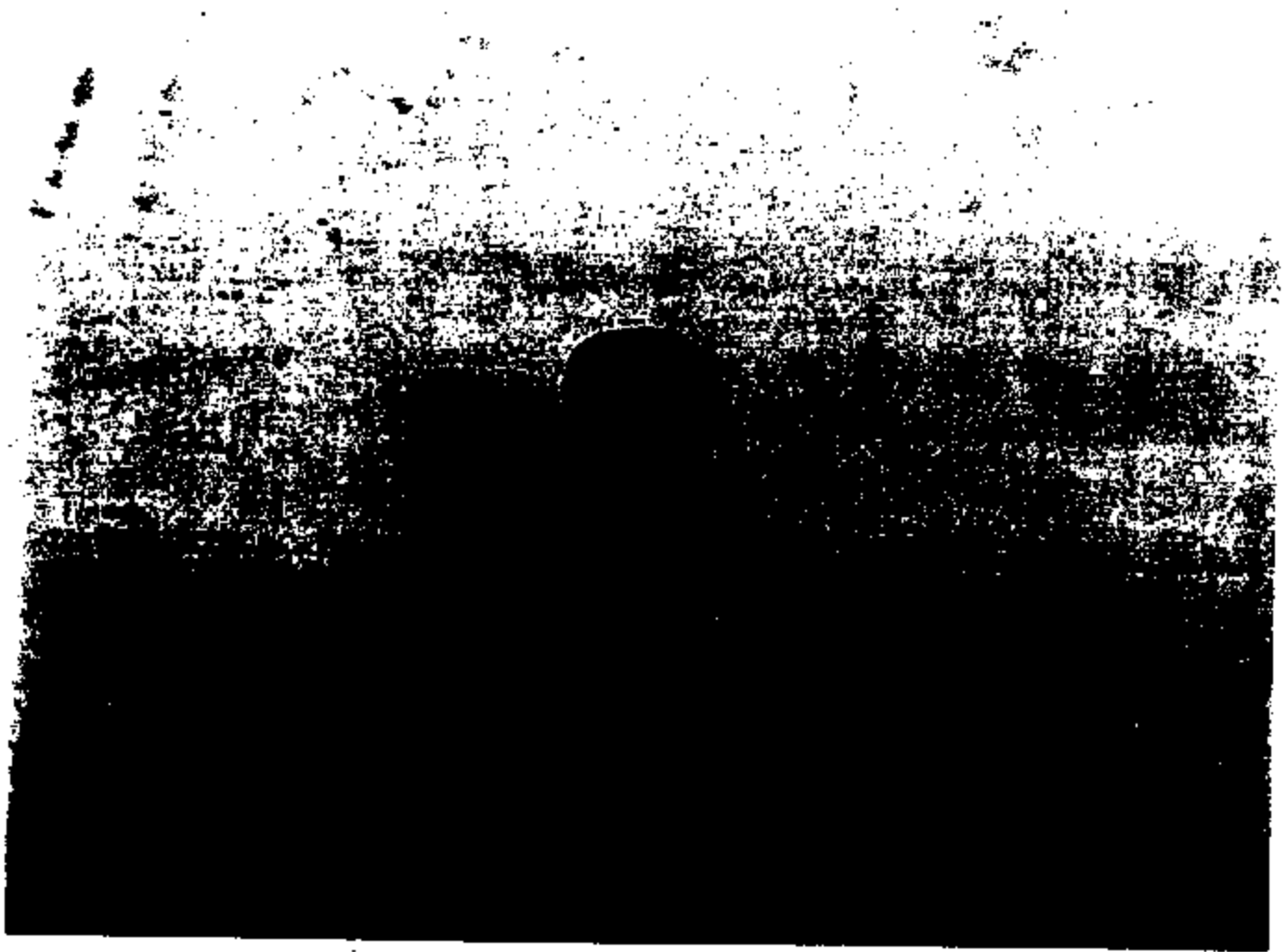
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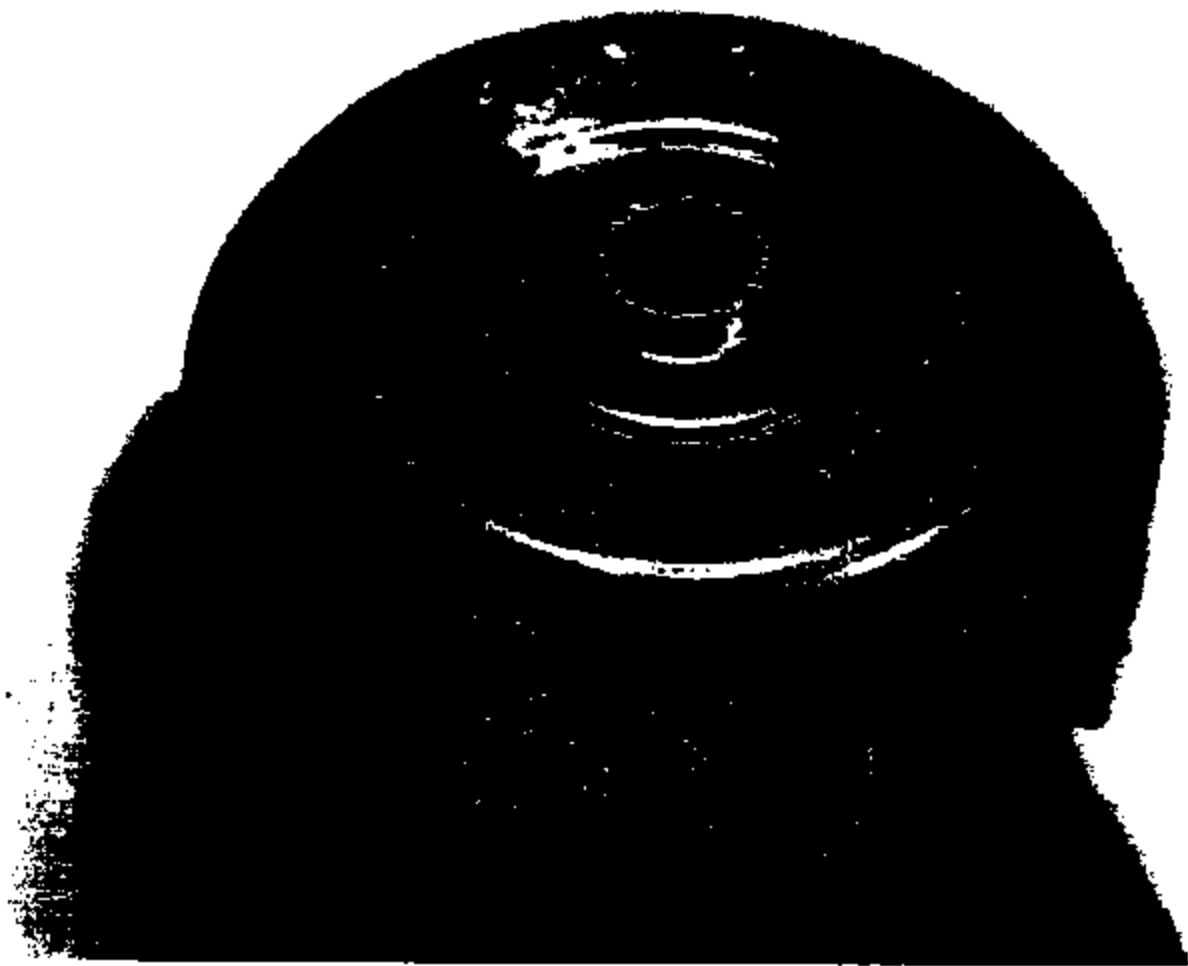


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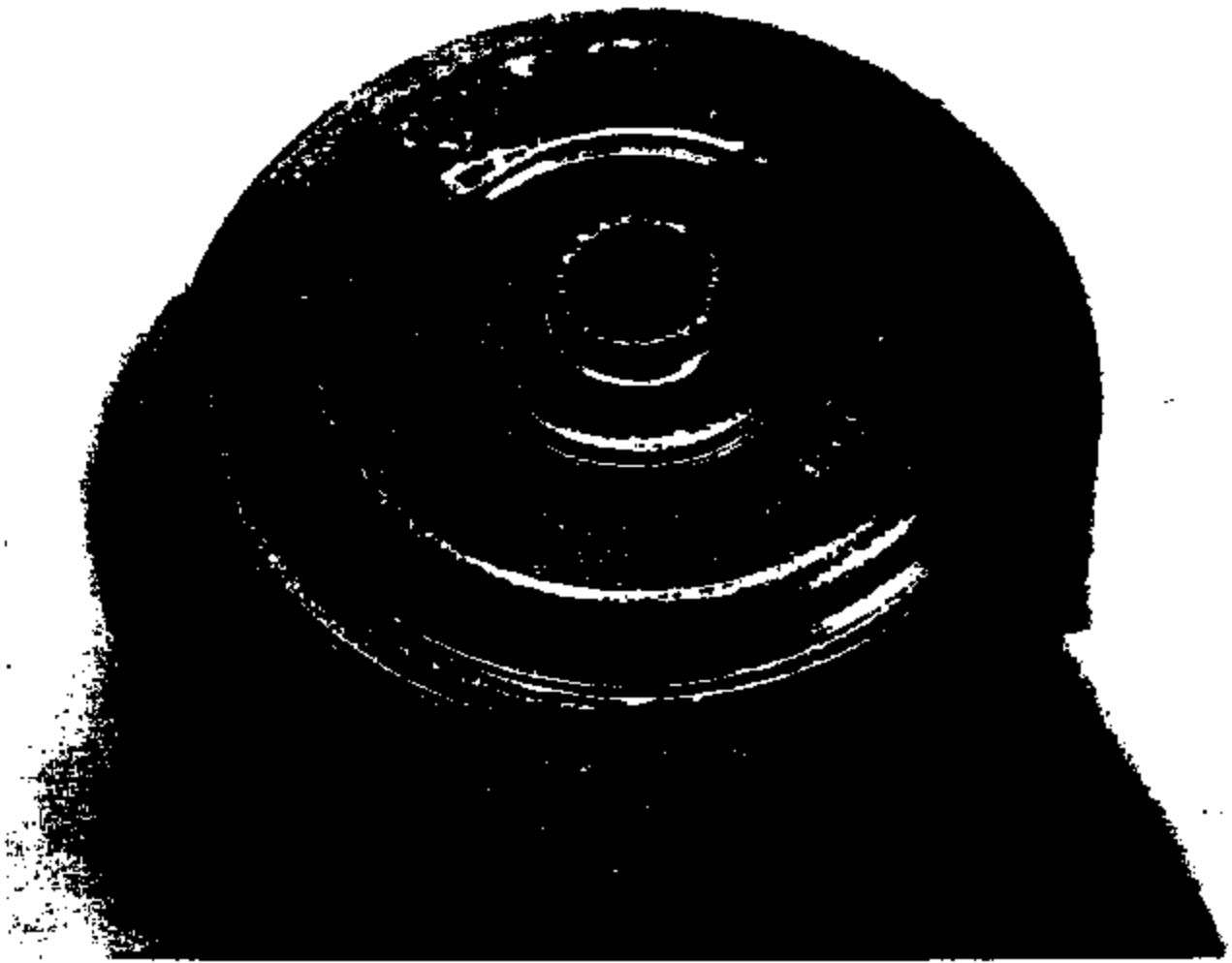


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TI-NHTSA 9073



TI-NHTSA 9074

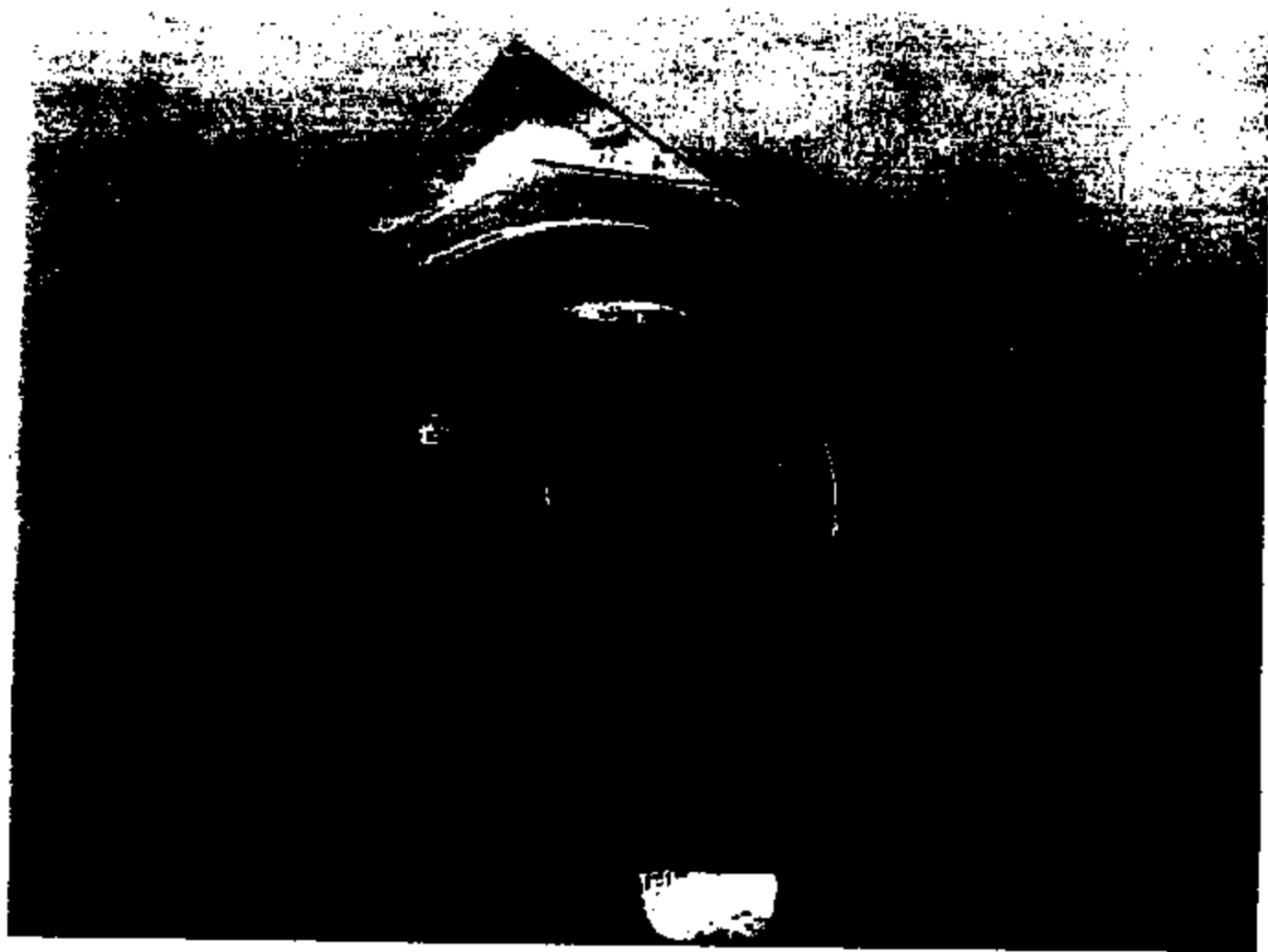


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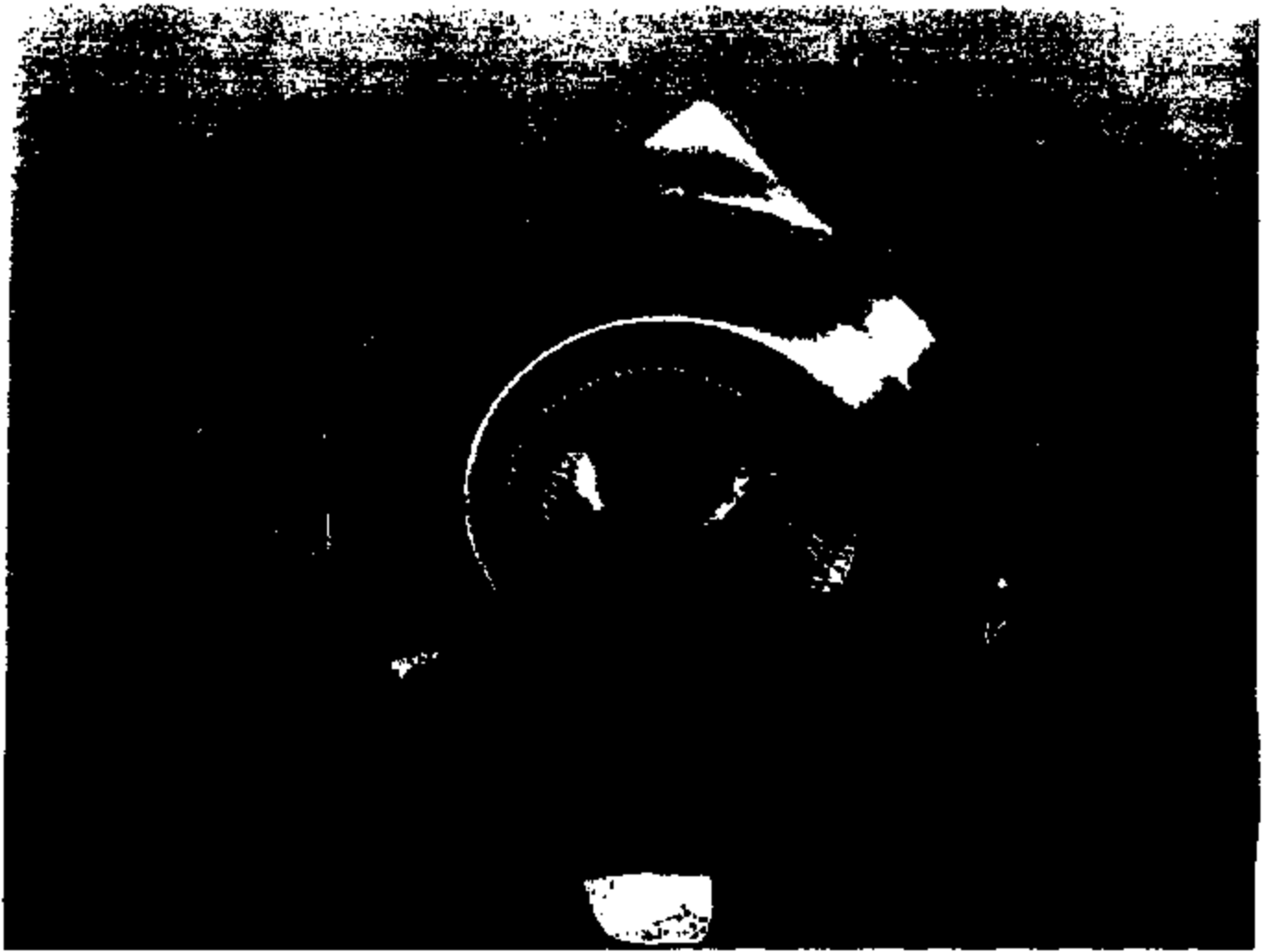
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TI-NHTSA 9076



121002

TI-NHTSA 9077



2 side

TI-NHTSA 9078



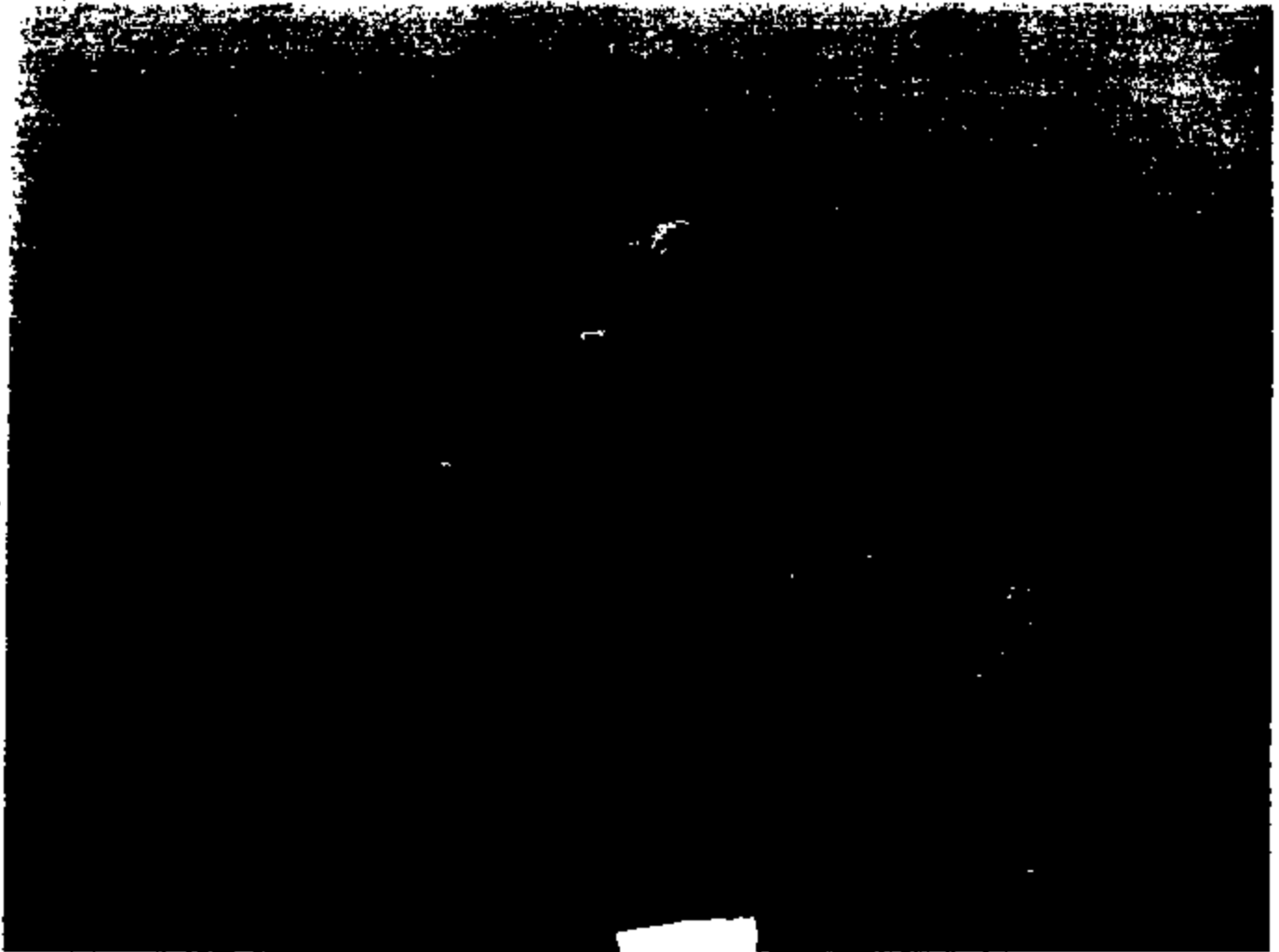
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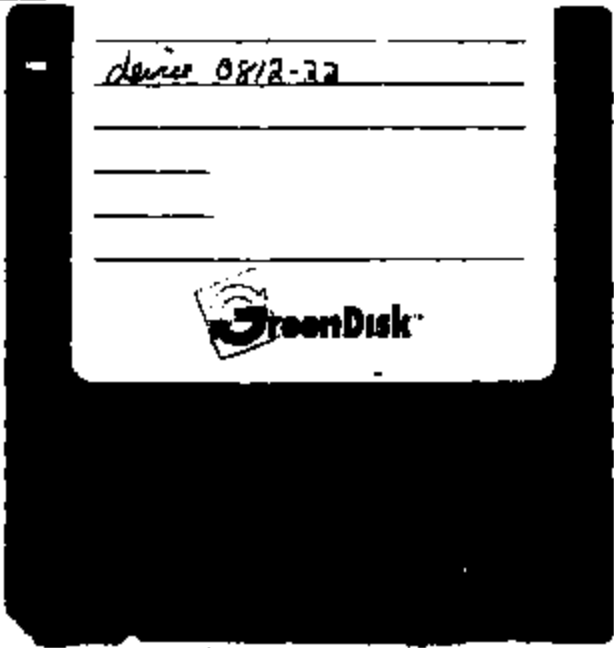
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TI-NHTSA 9080



3 side 2

TI-NHTSA 9081



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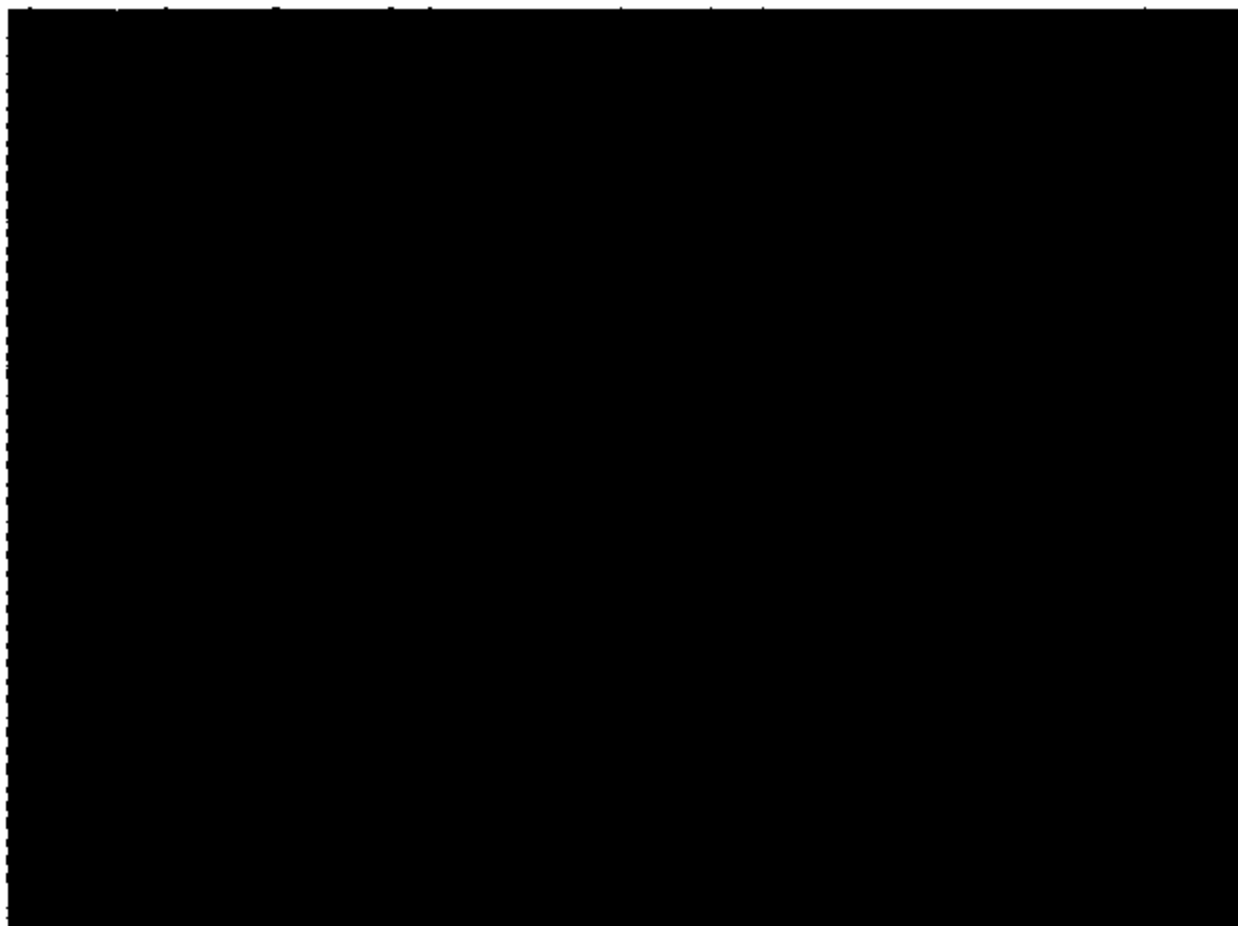
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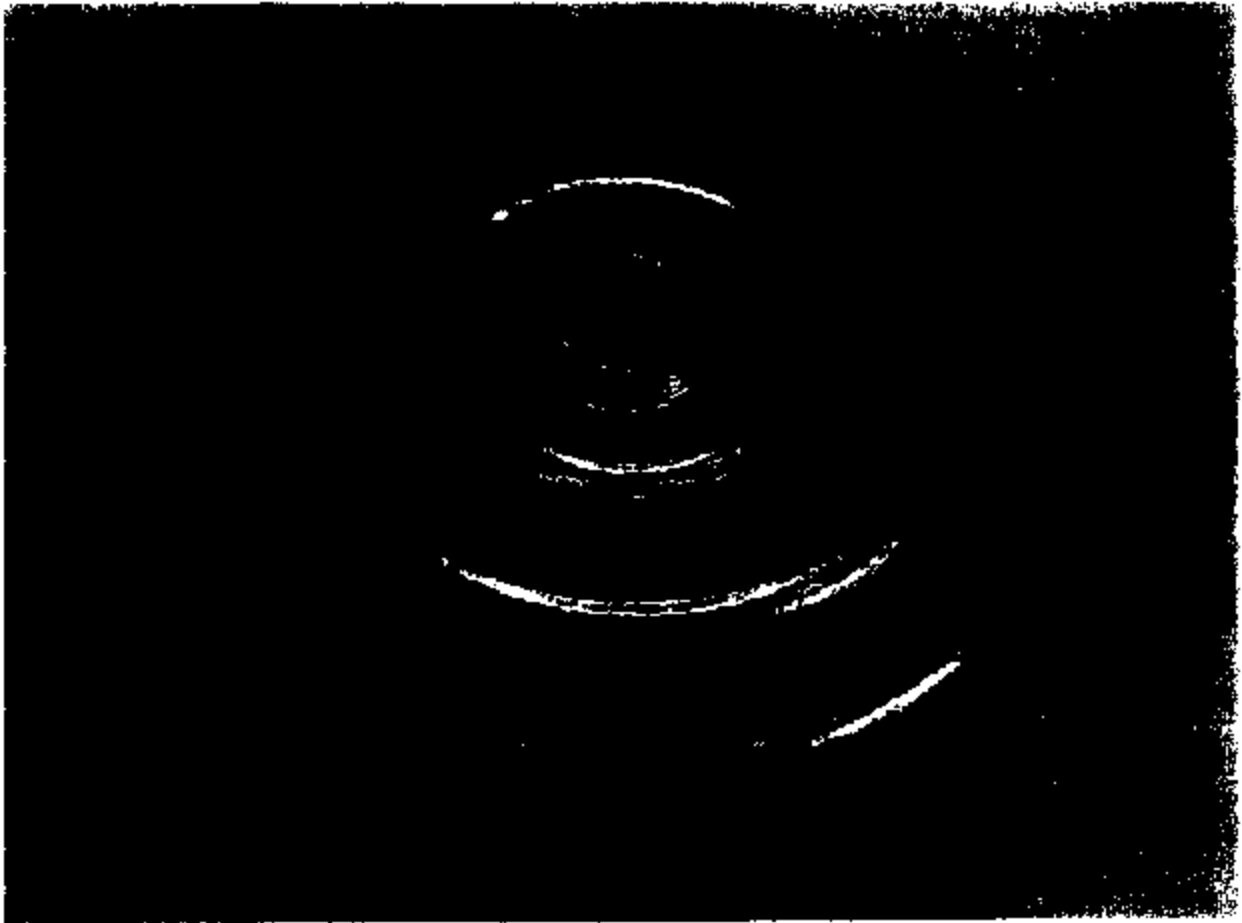
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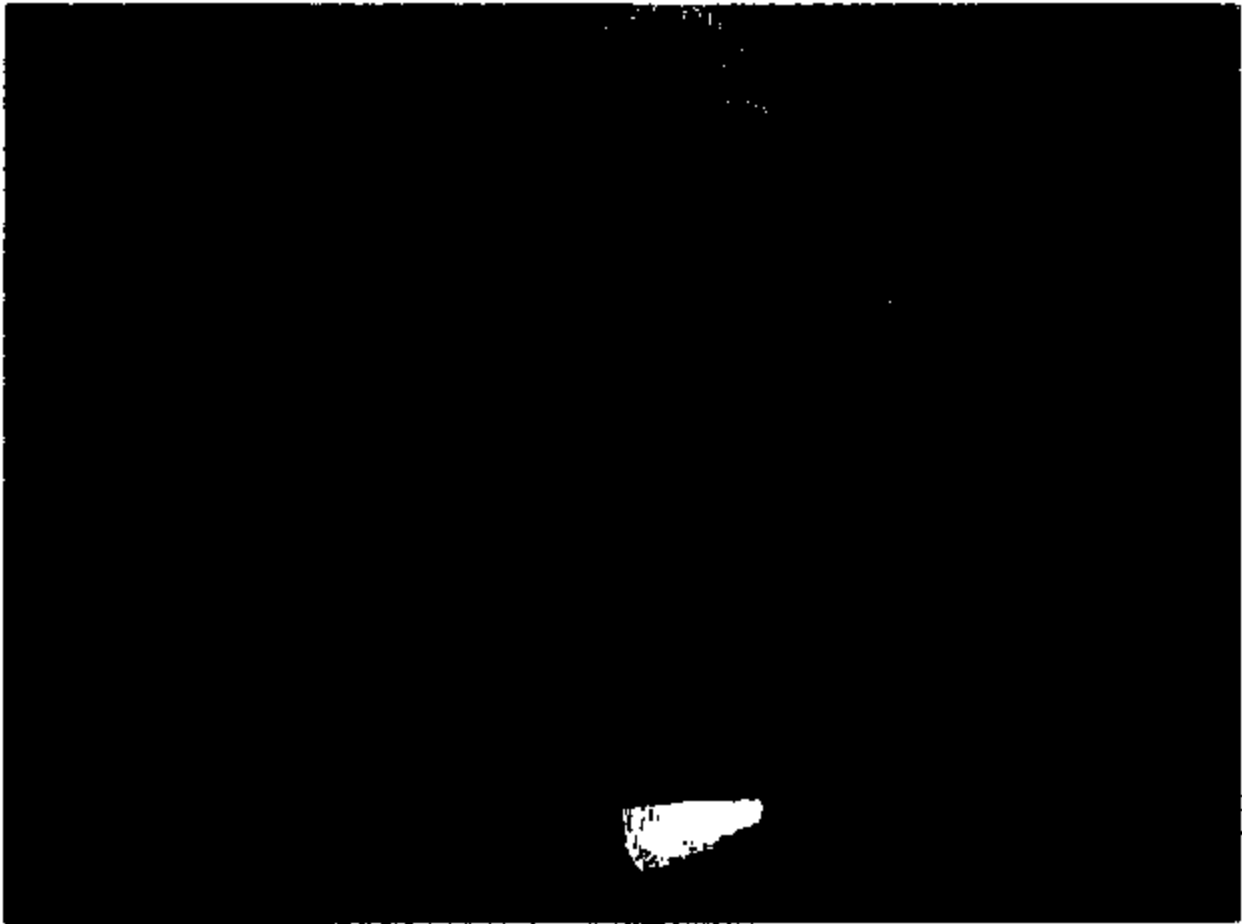


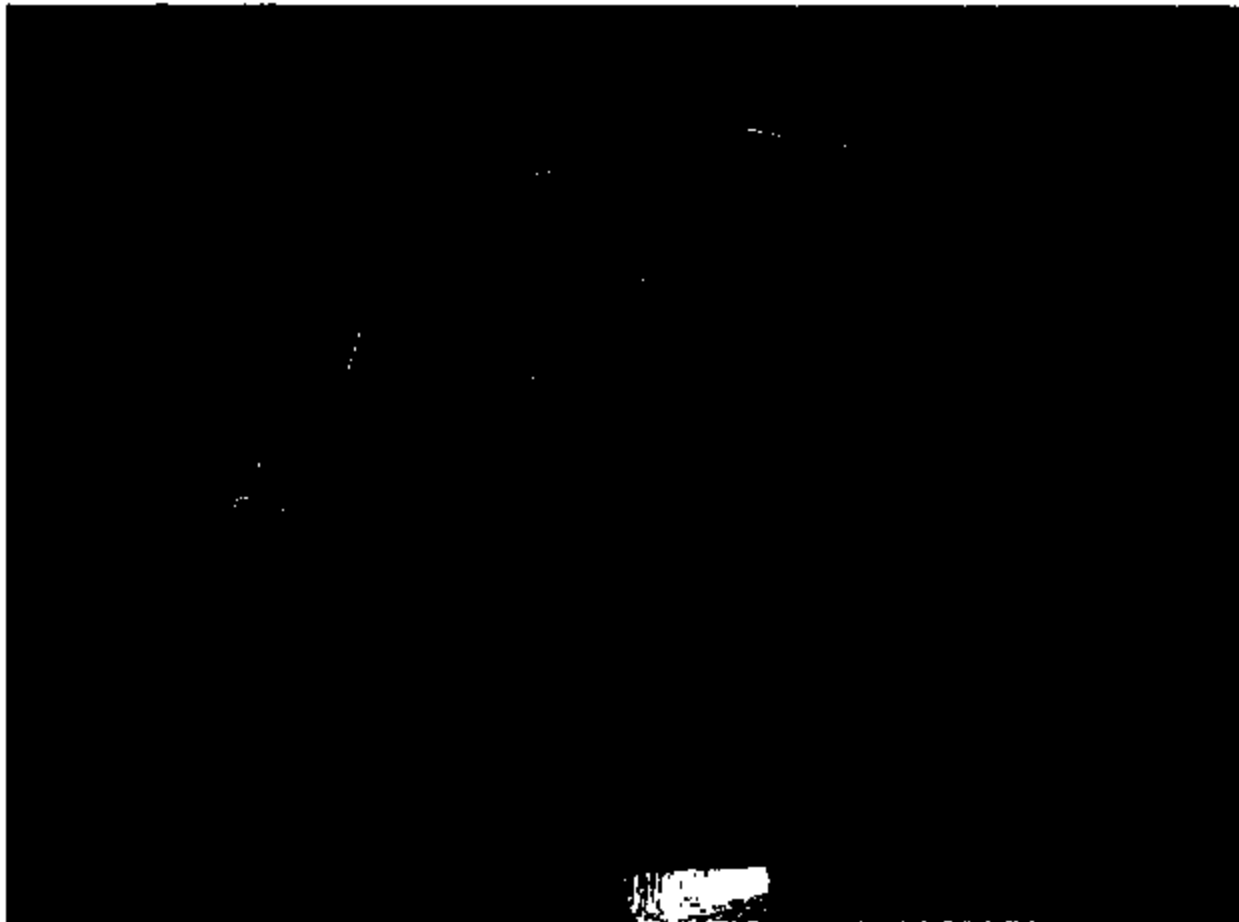


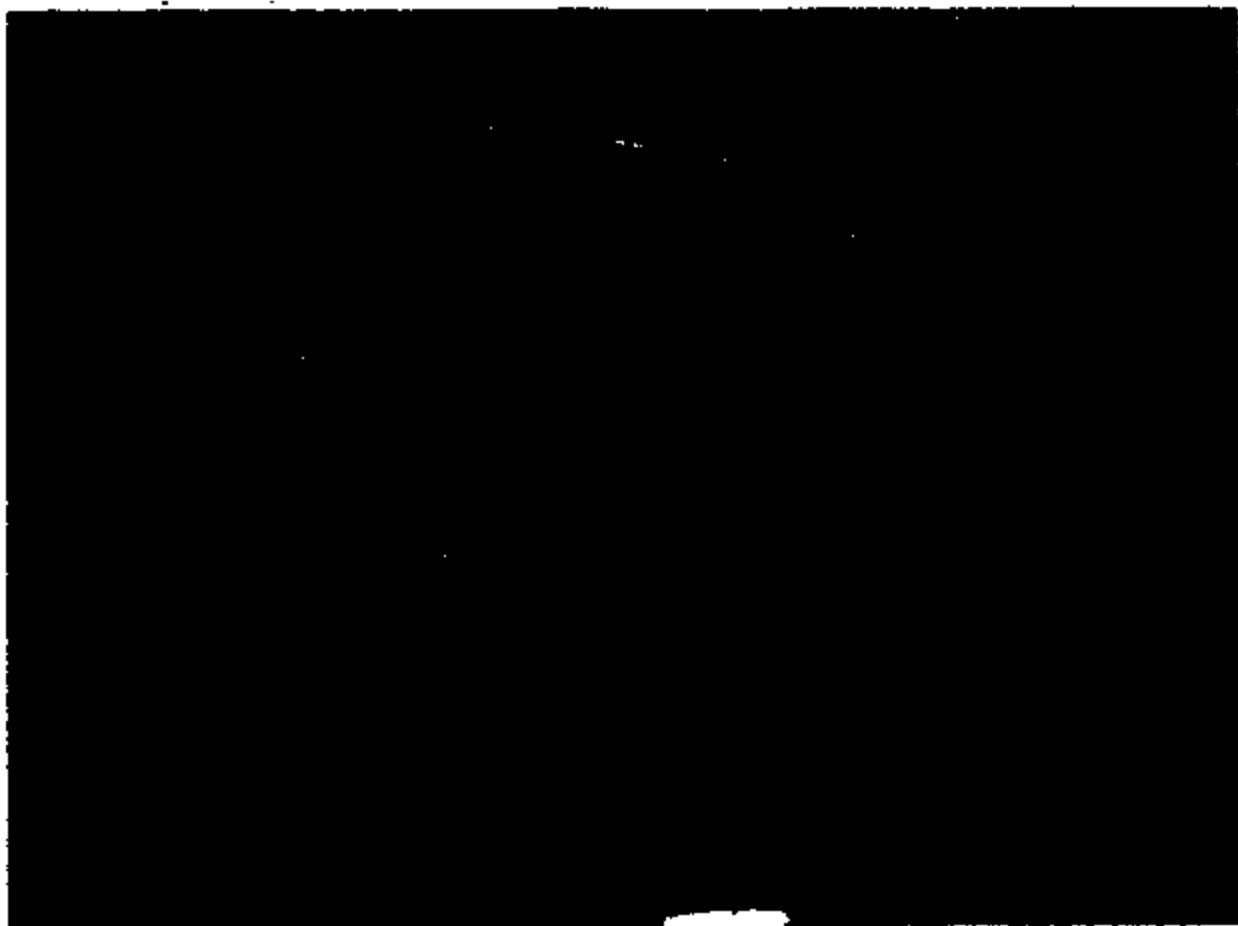


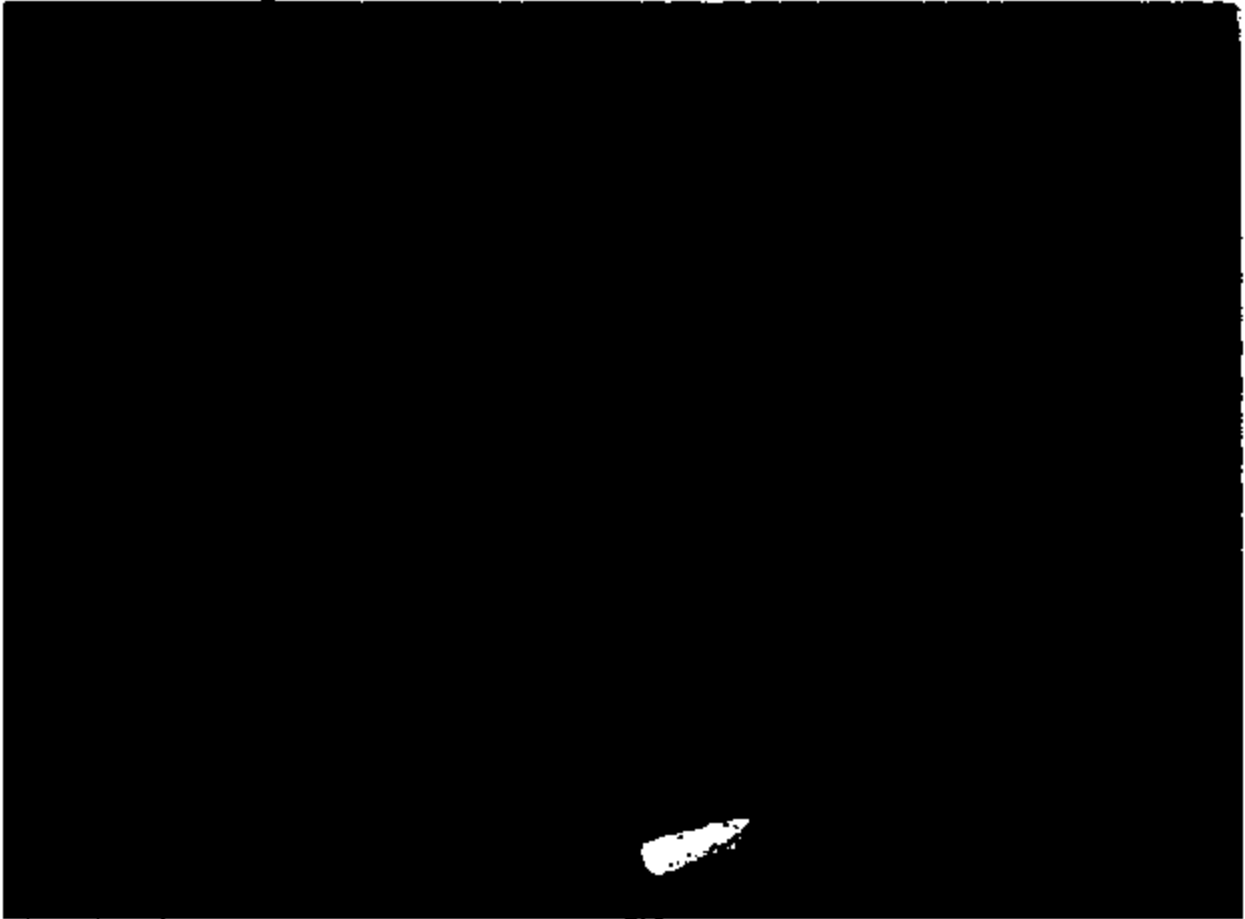


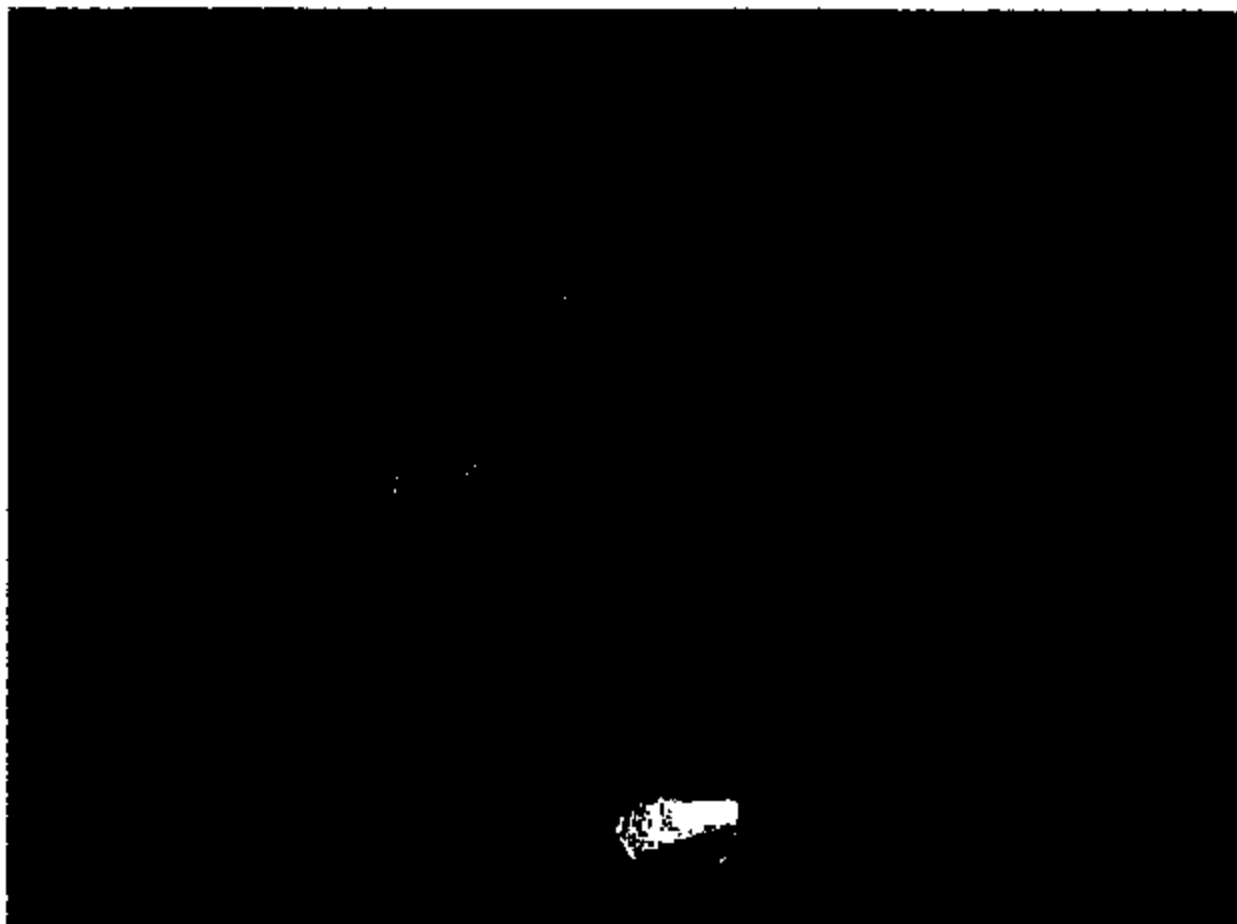


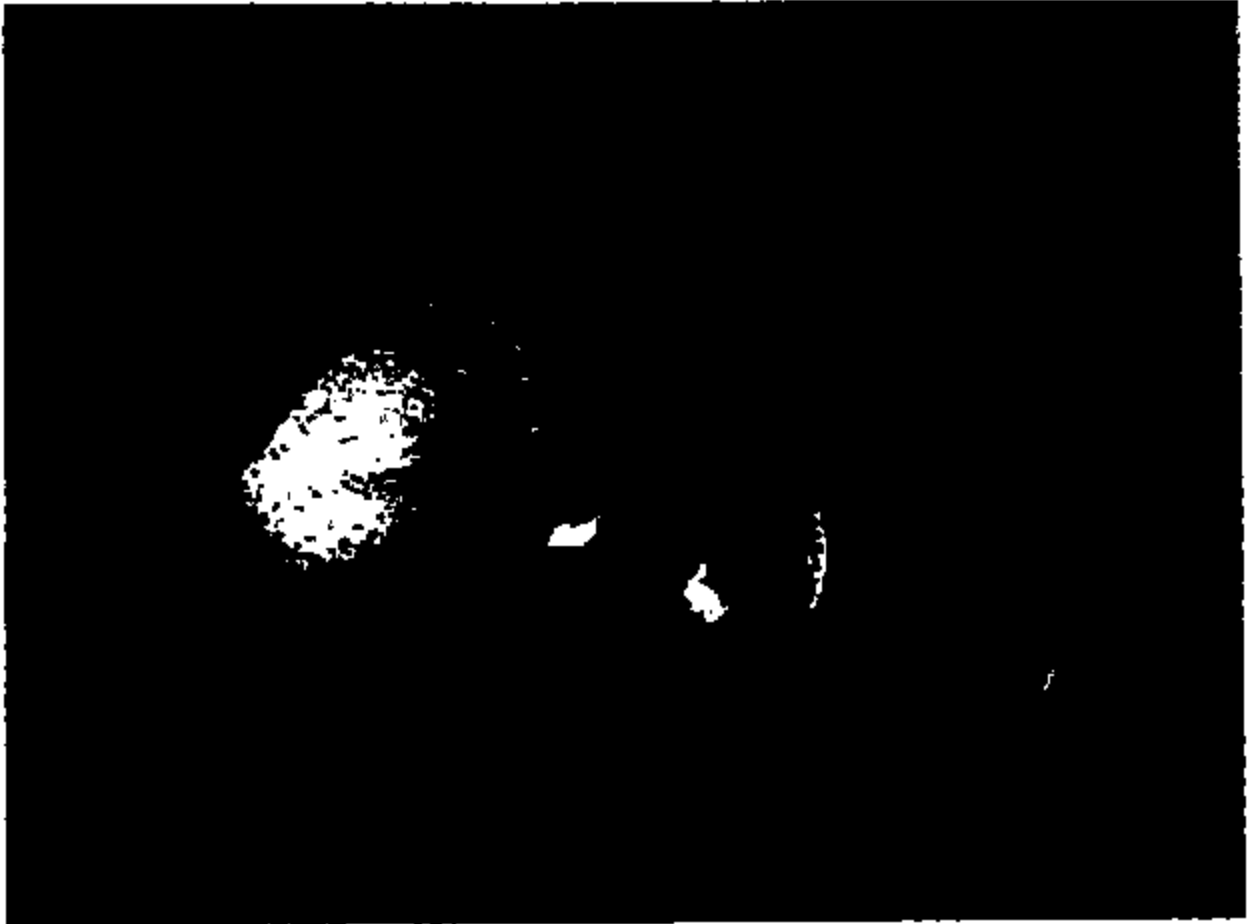












77PS12-1 Return Analysis Sheet

Device ID: 20000000 Date: 10/10/00 Ford Part # AB
 Operator's Name: _____ Ser Code Code: _____ Technician ST

1 Visual Inspection

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

2 Current draw

Terminal to Terminal? 0.2 Ohms
 Terminal to Harness? 10 mA 14 Volt supply Current limited to 10 amps.

3 Open Crimp Ring

4 Visual Inspection

Connector Leak? No Yes
 Component wear? No Light Medium Heavy
 BF leak? No Yes
 Environment seal condition? Good Bad
 If seal bad, Why?
 Corrosion? Yes No
 Puncture

5 Leak Test Sensor Asst.

Pass Fail

6 Open Cap Crimp.

7 Diaphragm Inspection

	Nearest Fluid			Middle			Nearest Connector		
	Fluid	#1	Connector	Fluid	#2	Connector	Fluid	#3	Connector
	Tylen	Napton	Tylen	Tylen	Napton	Tylen	Tylen	Napton	Tylen
Tylen stretch	<u>Y</u>		<u>Y</u>	<u>Y</u>		<u>Y</u>	<u>Y</u>		<u>N</u>
Tylen cracks	<u>Y</u>		<u>N</u>	<u>N</u>		<u>N</u>	<u>N</u>		<u>N</u>
Tylen delamination	<u>Y</u>		<u>N</u>	<u>N</u>		<u>N</u>	<u>N</u>		<u>N</u>
Napton cracks		<u>N</u>			<u>N</u>			<u>N</u>	
Seal return	<u>N</u>		<u>N</u>	<u>N</u>		<u>N</u>	<u>N</u>		<u>N</u>
Wear particles/delamination	<u>N</u>	<u>Y</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>Y</u>

8 Gaslet Inspection

Present? Yes No
 Nibbles/measuring material? Yes No
 Gaslet thickness: 0.001 inches
0.002 inches
0.003 inches

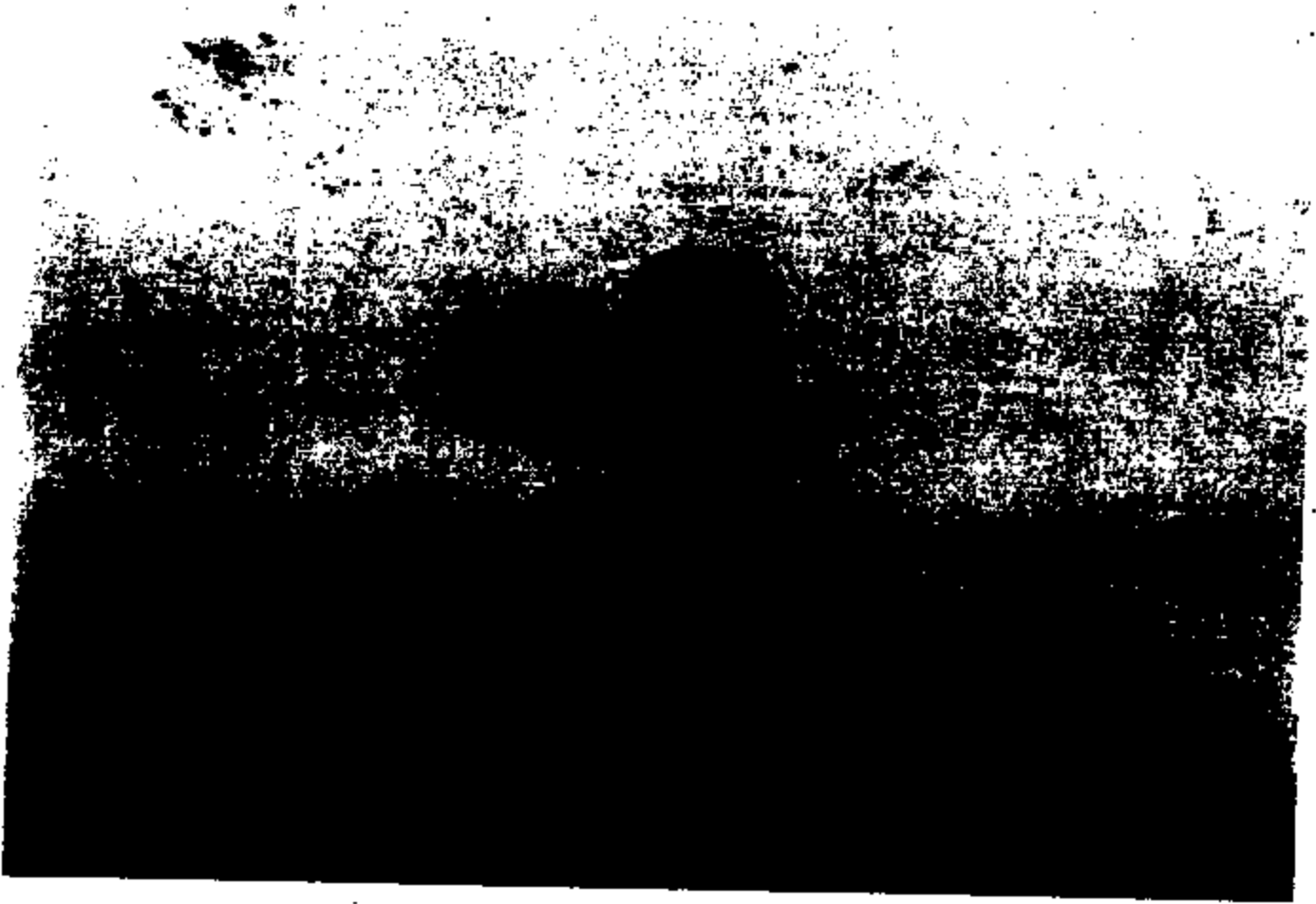
9 Package and Store

10 Analysis Summary: NTF Issue Discovered

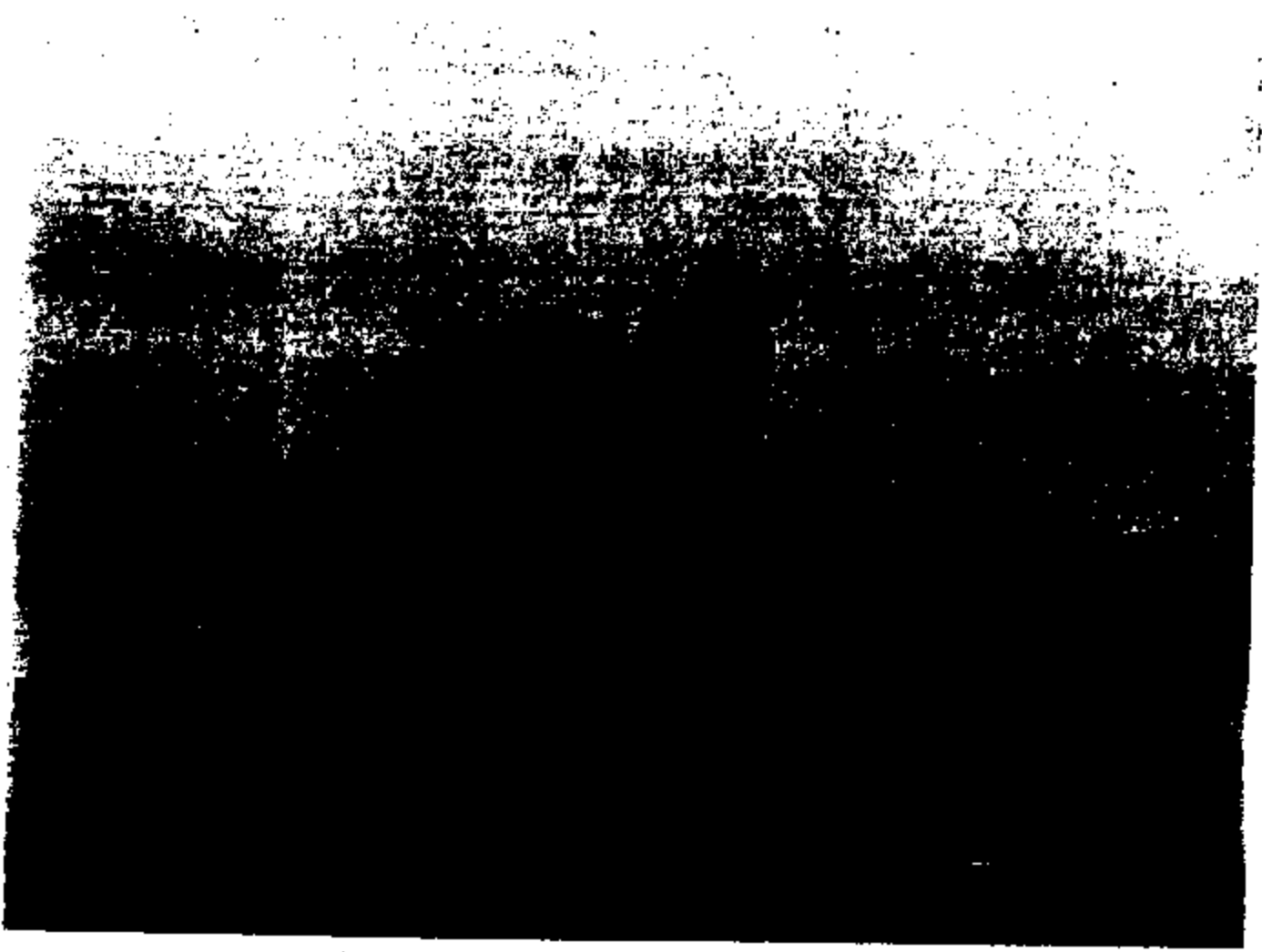
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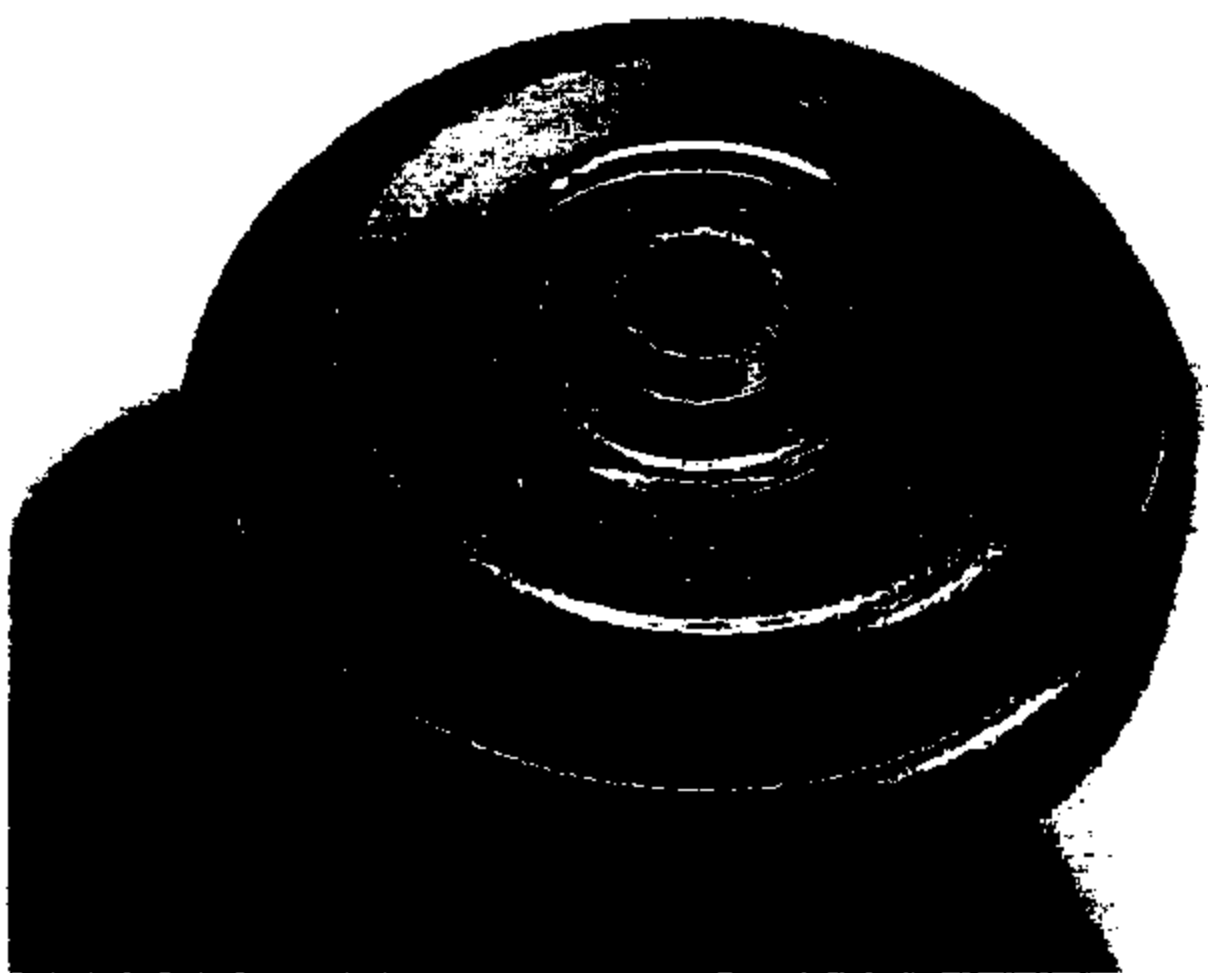
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TI-NHTSA 9098



TI-NHTSA 9099

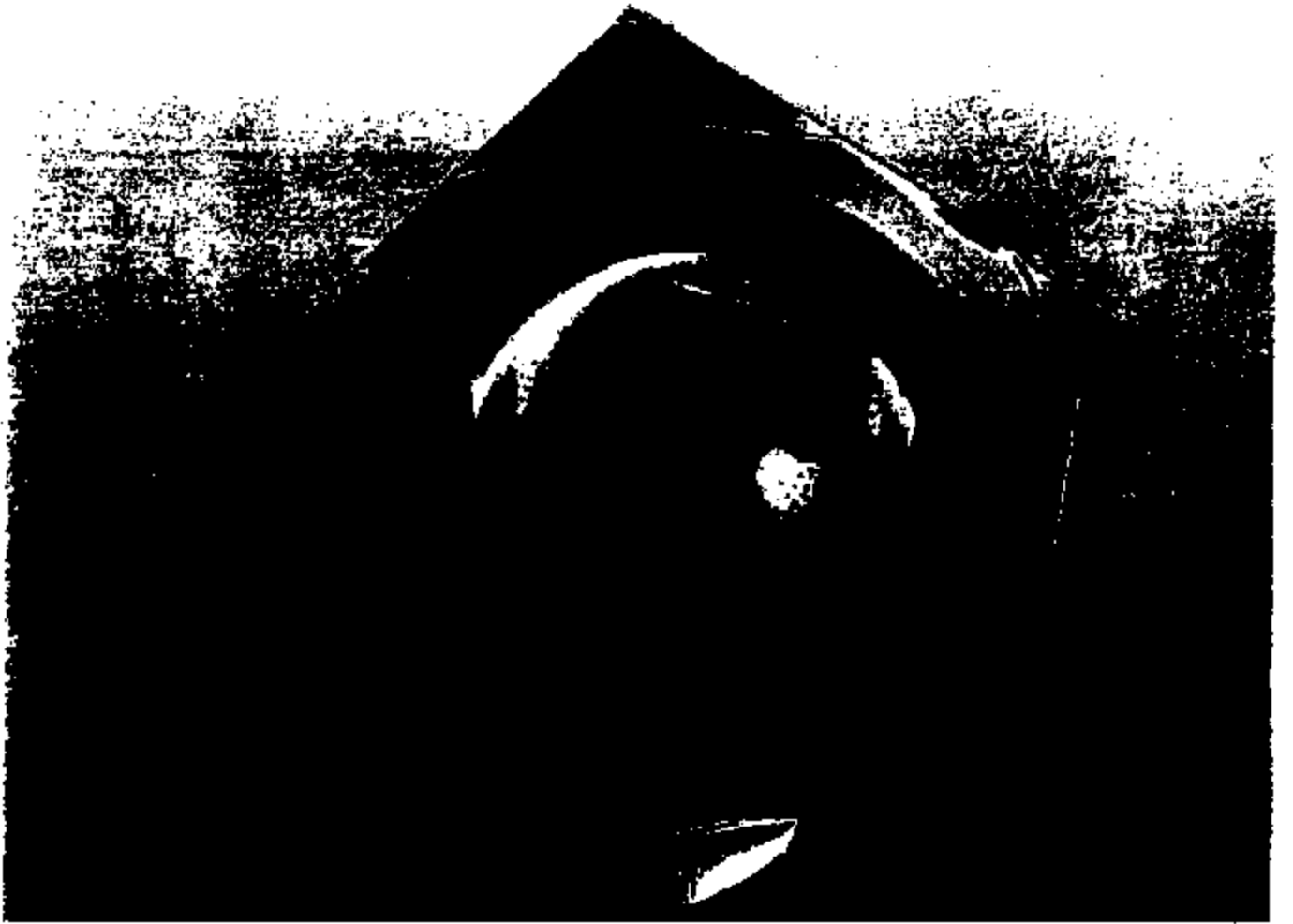


TI-NHTSA 9100



(side)

TI-NHTSA 9101



1 unit 2

TI-NHTSA 9102



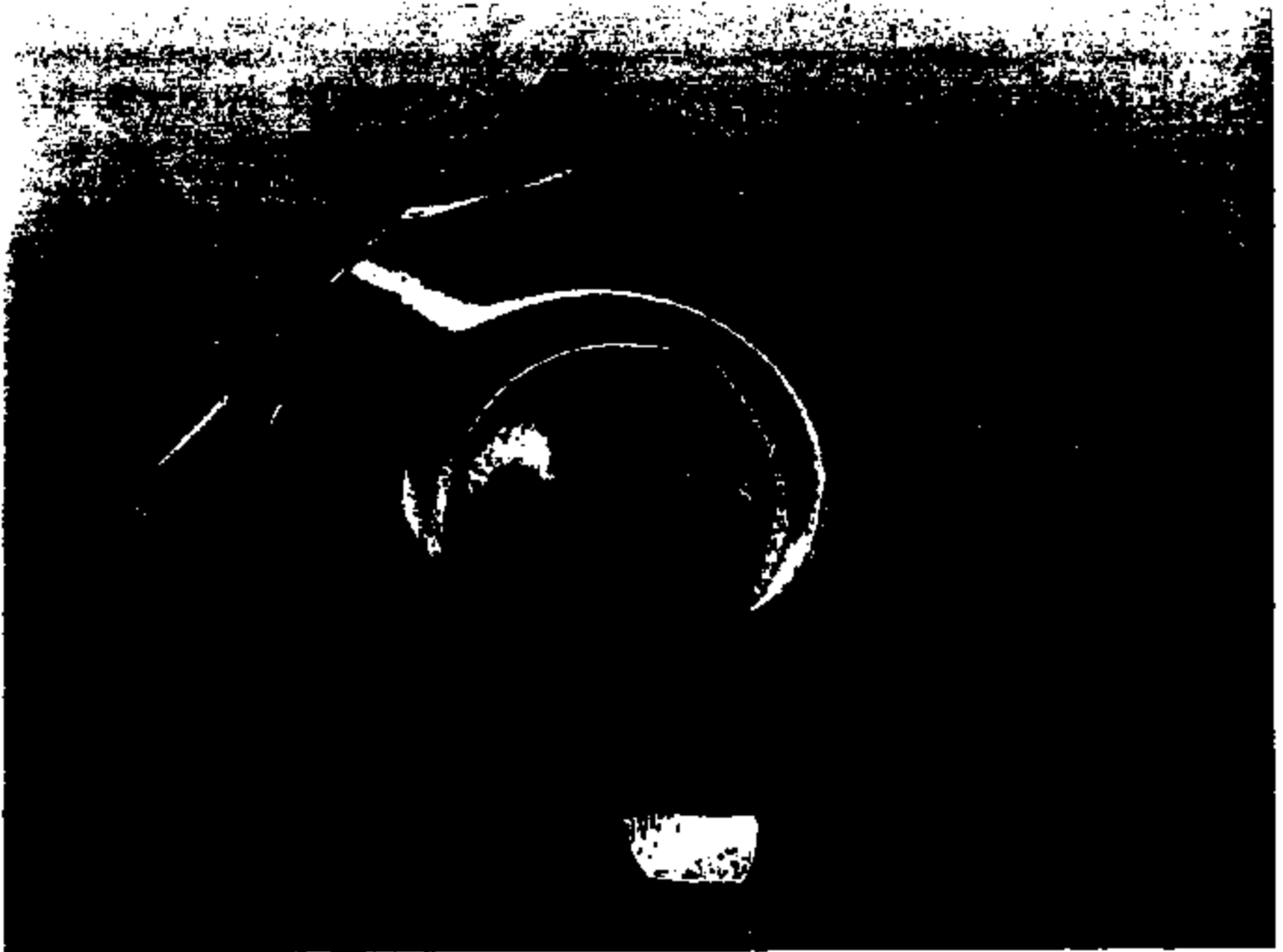
2 1/2

TI-NHTSA 9103



2 out 2

TI-NHTSA 9104



3/20/01

TI-NHTSA 9105



3/10/02

TI-NHTSA 9106

device 0A12-21

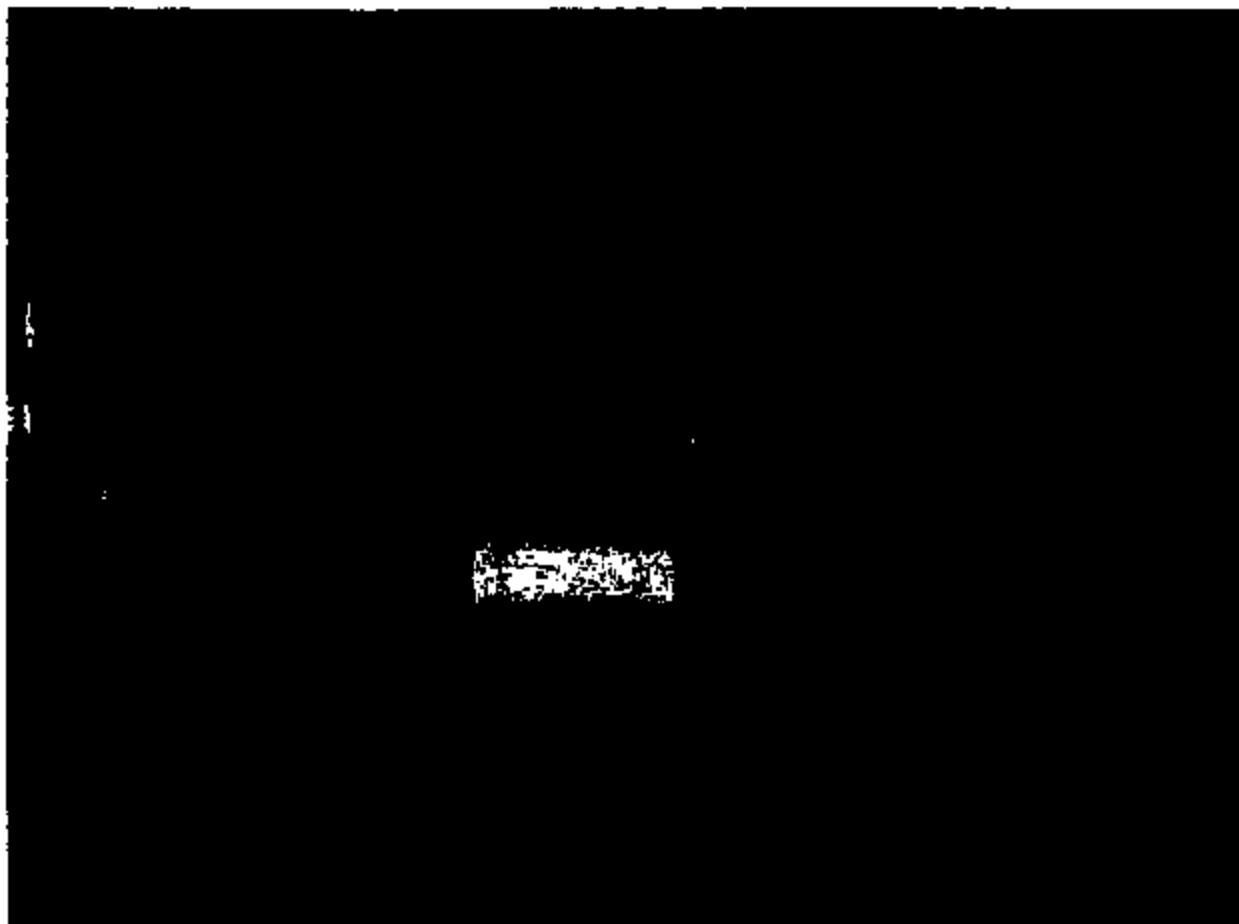


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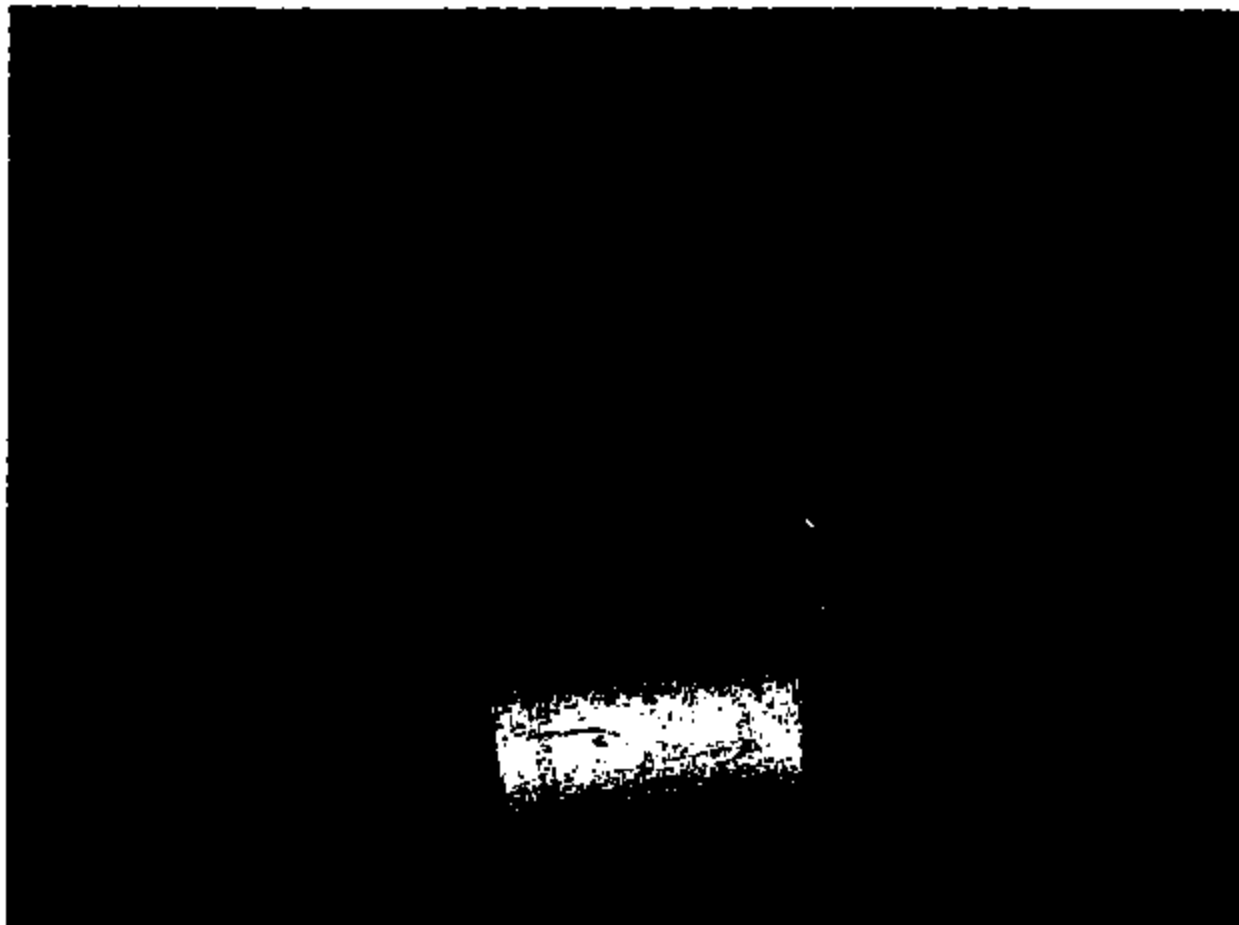
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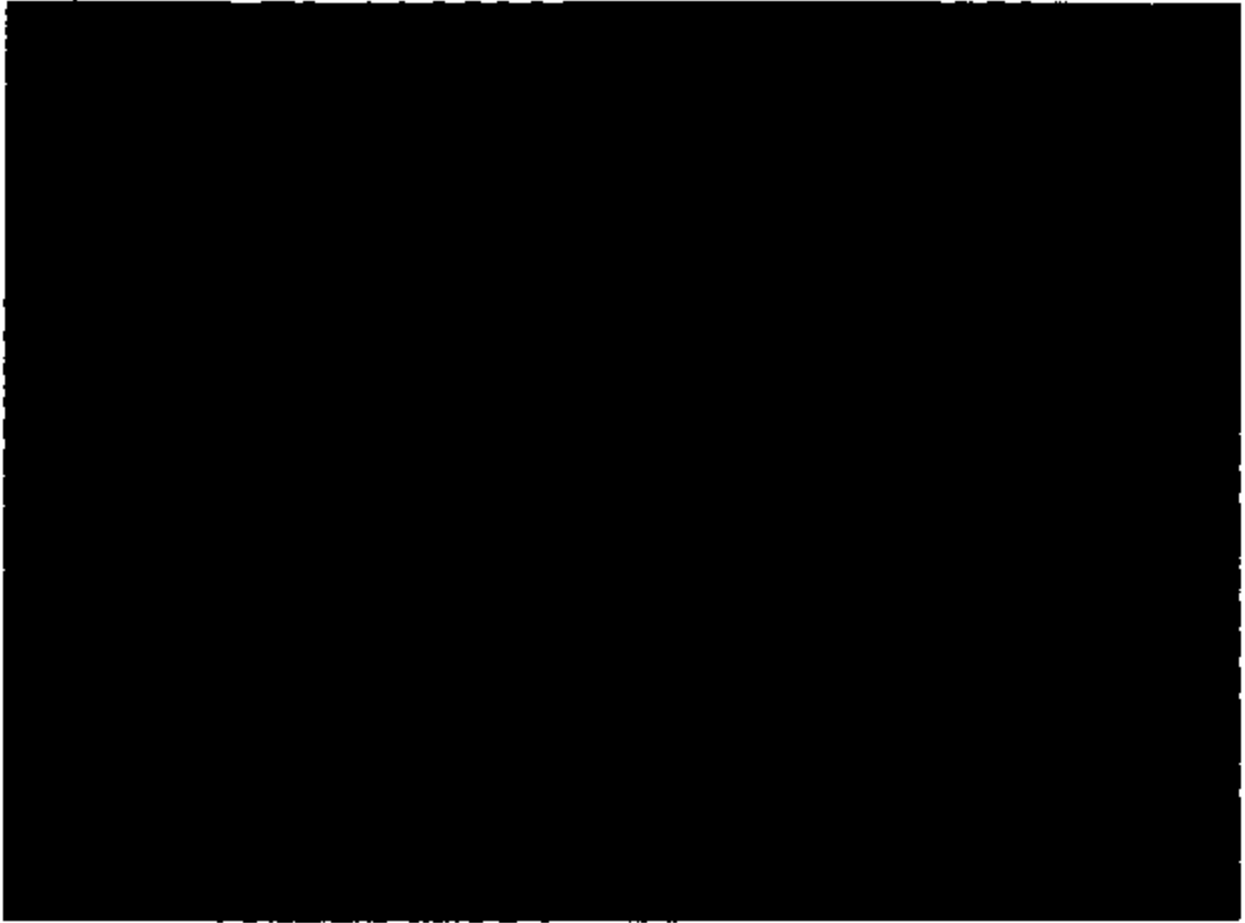
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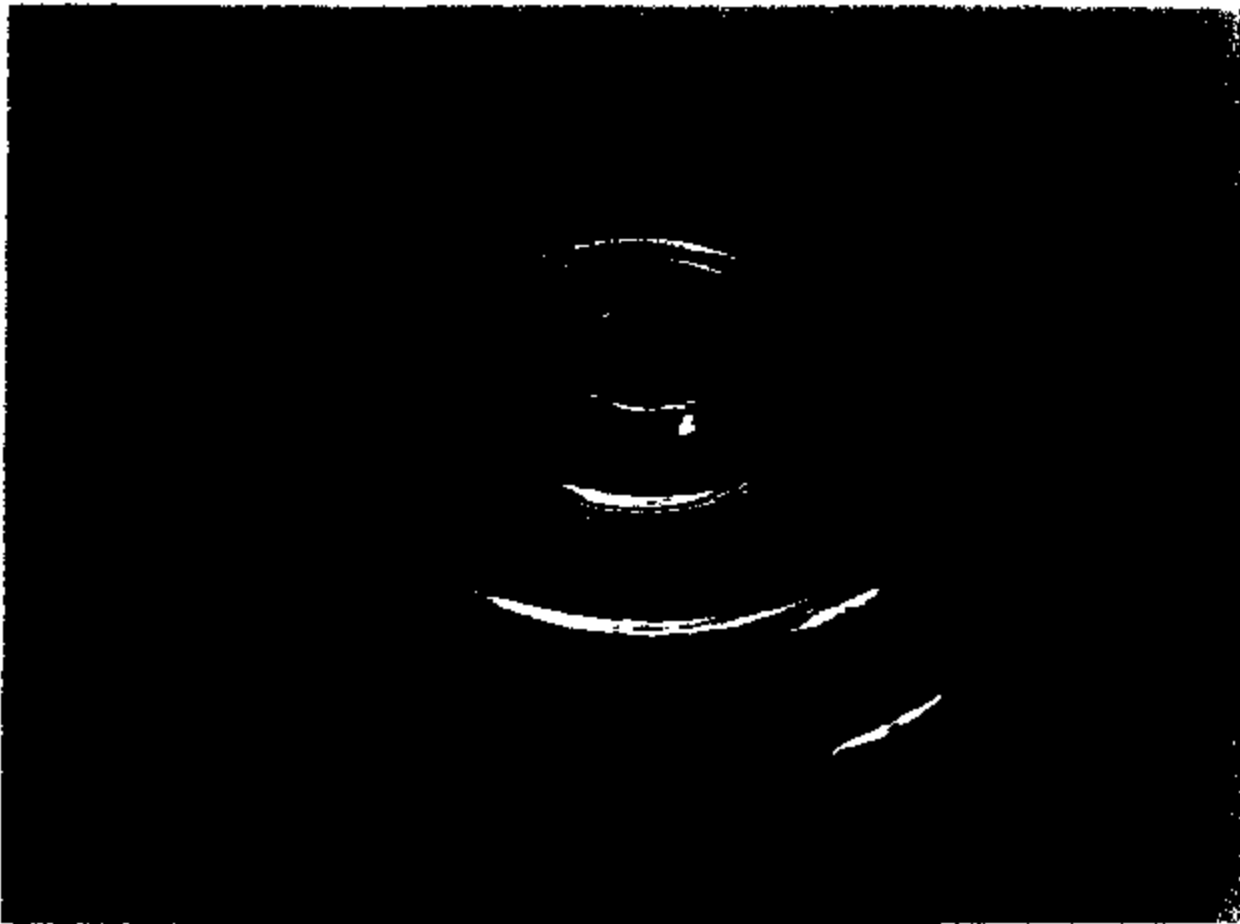
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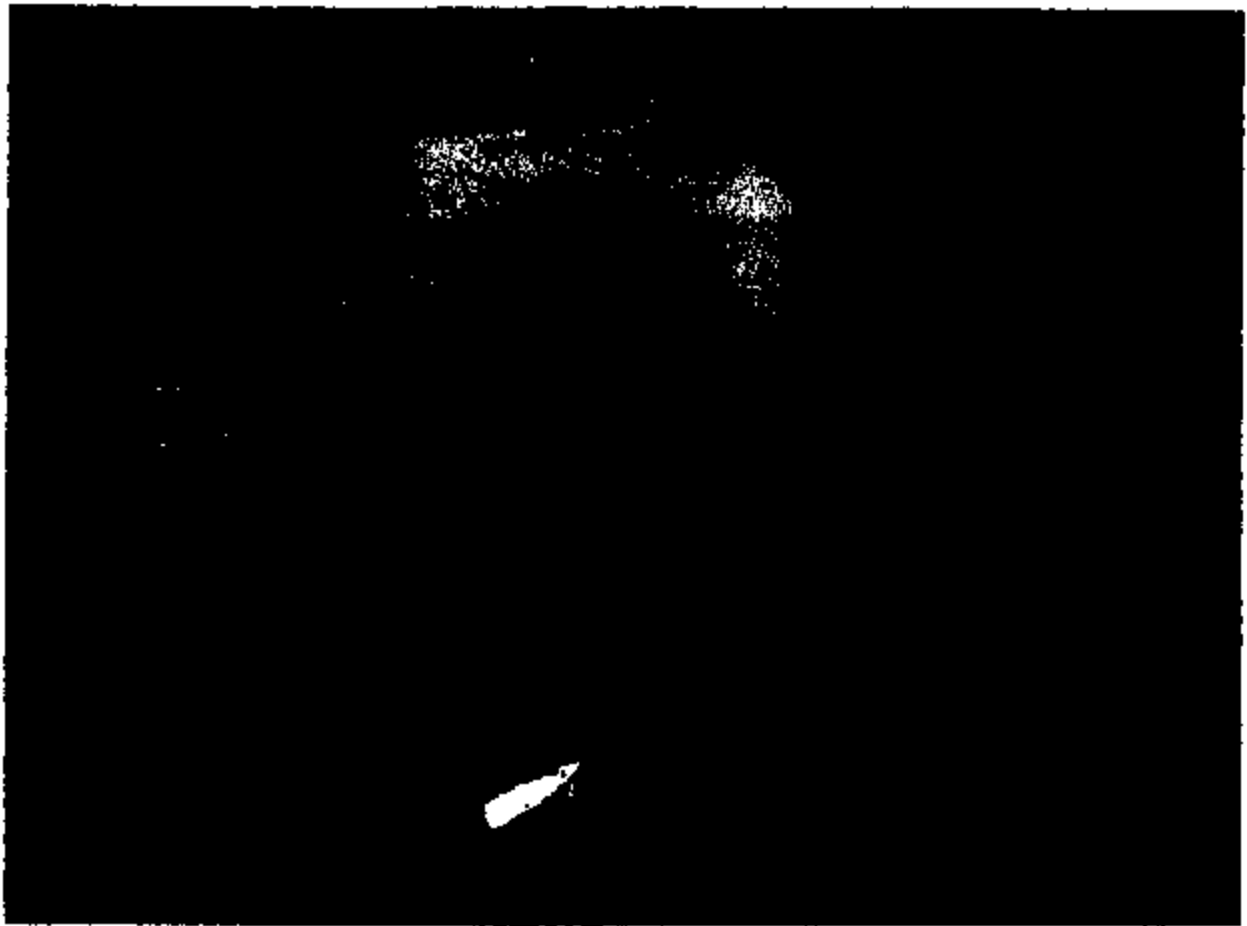
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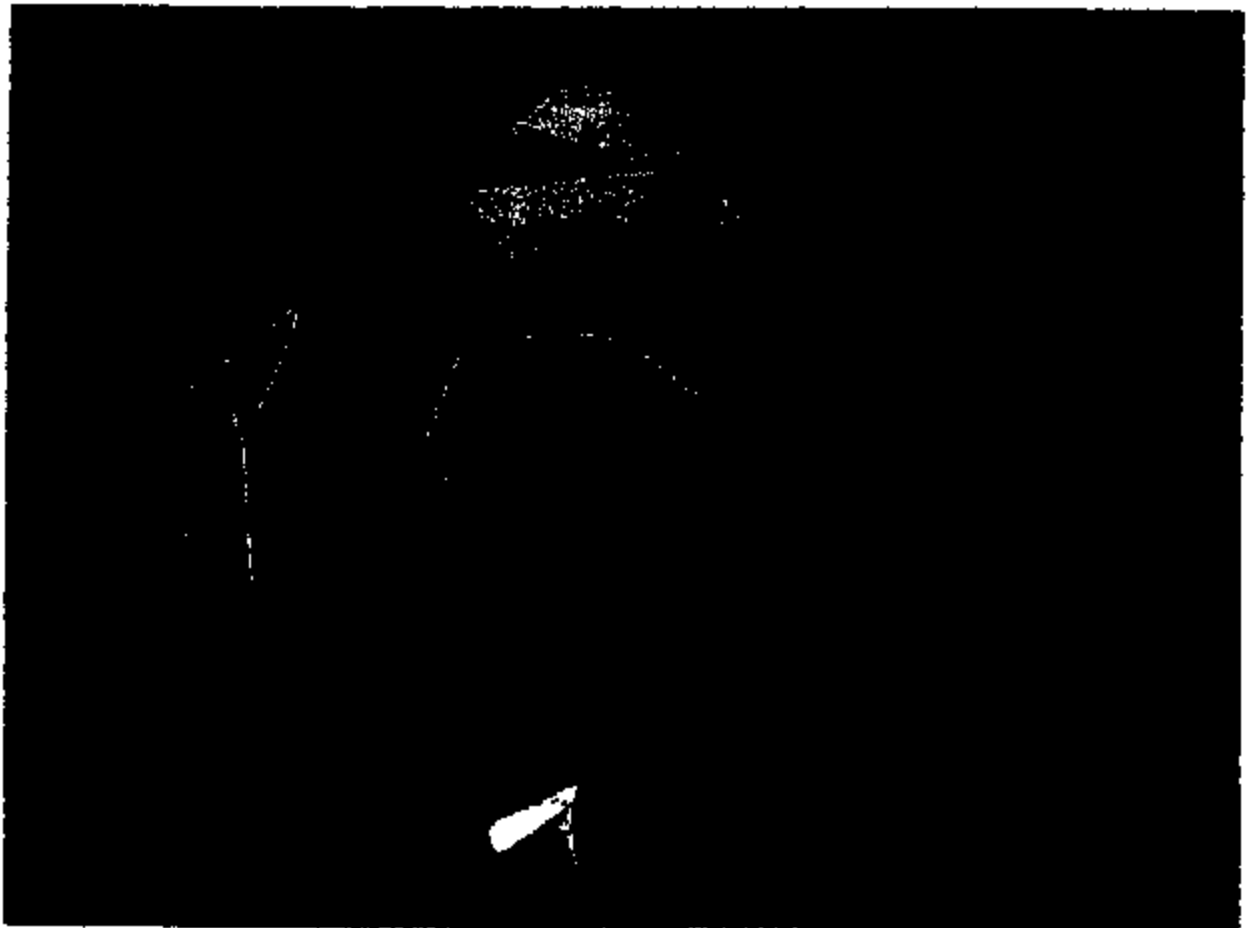
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TLNHTSA 9115



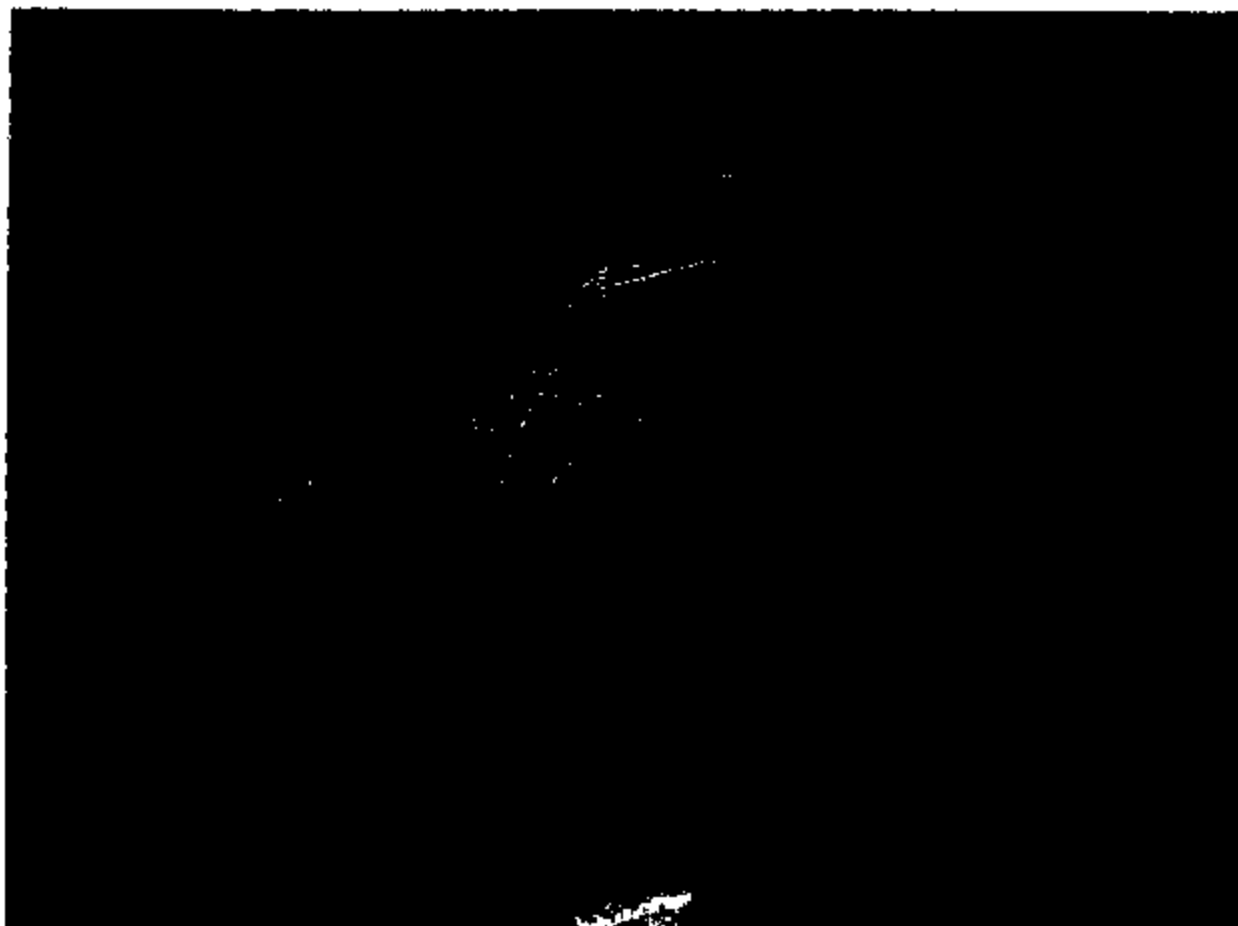
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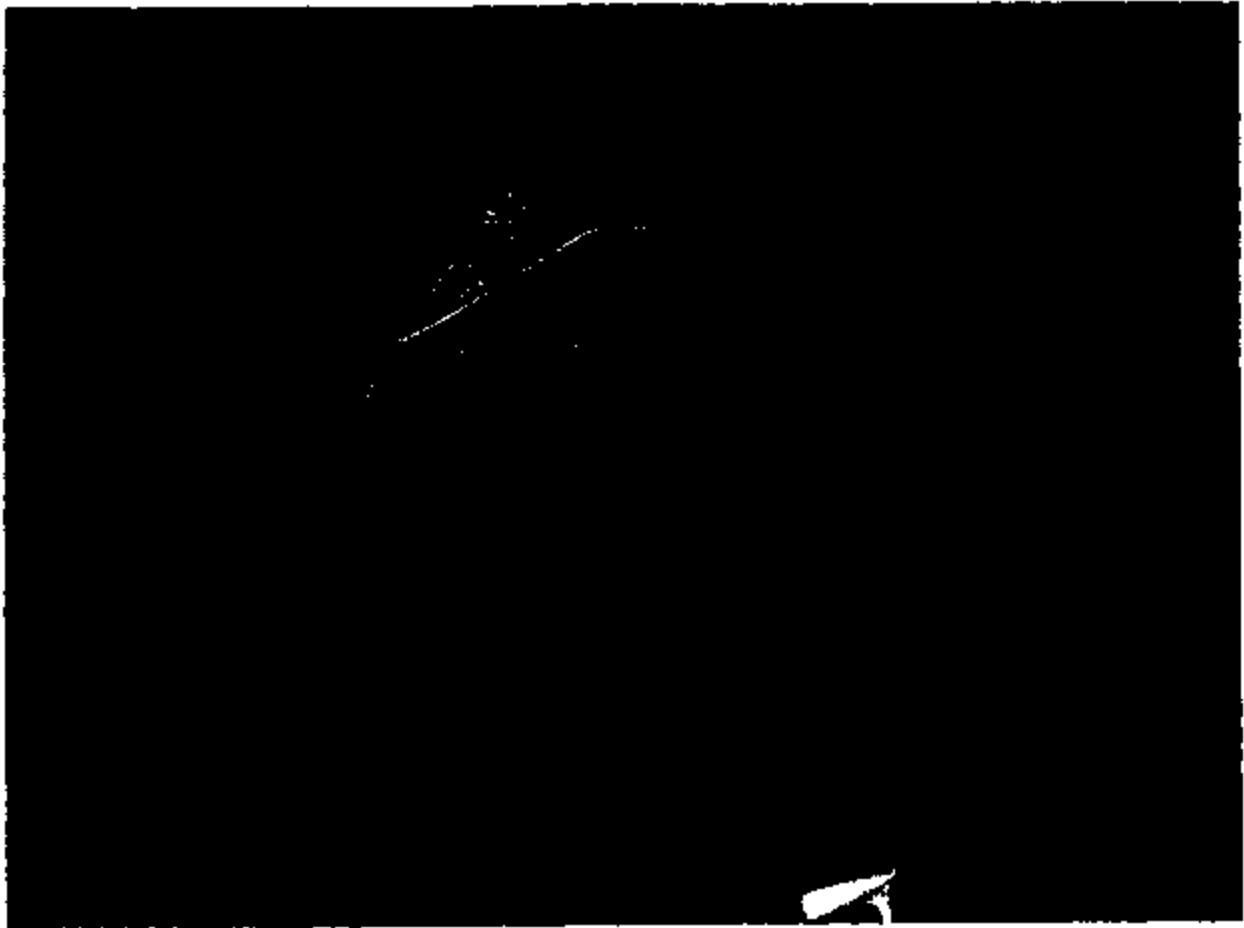
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TI-NHTSA 9118



TI-NHTSA 9119



TI-NHTSA 9120



TI-NHTSA 9121

77PSI-2-1 Return Analysis Sheet

Device ID: 42 Date: 11/2 Ford Part # AB

Operator's Name: _____ Sw Date Code: _____ Technician: Fit

1 Visual Inspection

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

2 Current draw :

Terminal to Terminal? 0.2 Ohms
 Terminal to Heapsort? 0.1 mA 14 Vac supply Current limited to 10 amps.

3 Open Crimp Ring

4 Visual Inspection

Connector Leak? No Yes
 Component wear? No Light Medium Heavy
 SF leak? No Yes
 Environment seal condition? Good Bad
 If seal bad, Why?
 Corrosion? Yes No
 Prolume

5 Leak Test Sensor Arm.

Pass Fail

6 Open Cup Crimp.

7 Diaphragm Inspection

	NEARER FLUID			Middle			NEARER CONVERTER		
	Fluid	#1	Converter	Fluid	#2	Converter	Fluid	#3	Converter
Teflon breach	<u>N</u>		<u>Y</u>	<u>Y</u>		<u>Y</u>			<u>N</u>
Teflon cracks	<u>Y</u>		<u>N</u>	<u>N</u>		<u>N</u>			<u>N</u>
Teflon delamination	<u>Y</u>		<u>N</u>	<u>N</u>		<u>N</u>			<u>N</u>
Kapton cracks		<u>N</u>			<u>N</u>			<u>N</u>	
Strain pattern	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>		<u>1</u>
Wear particles/discoloration	<u>N</u>	<u>Y</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>

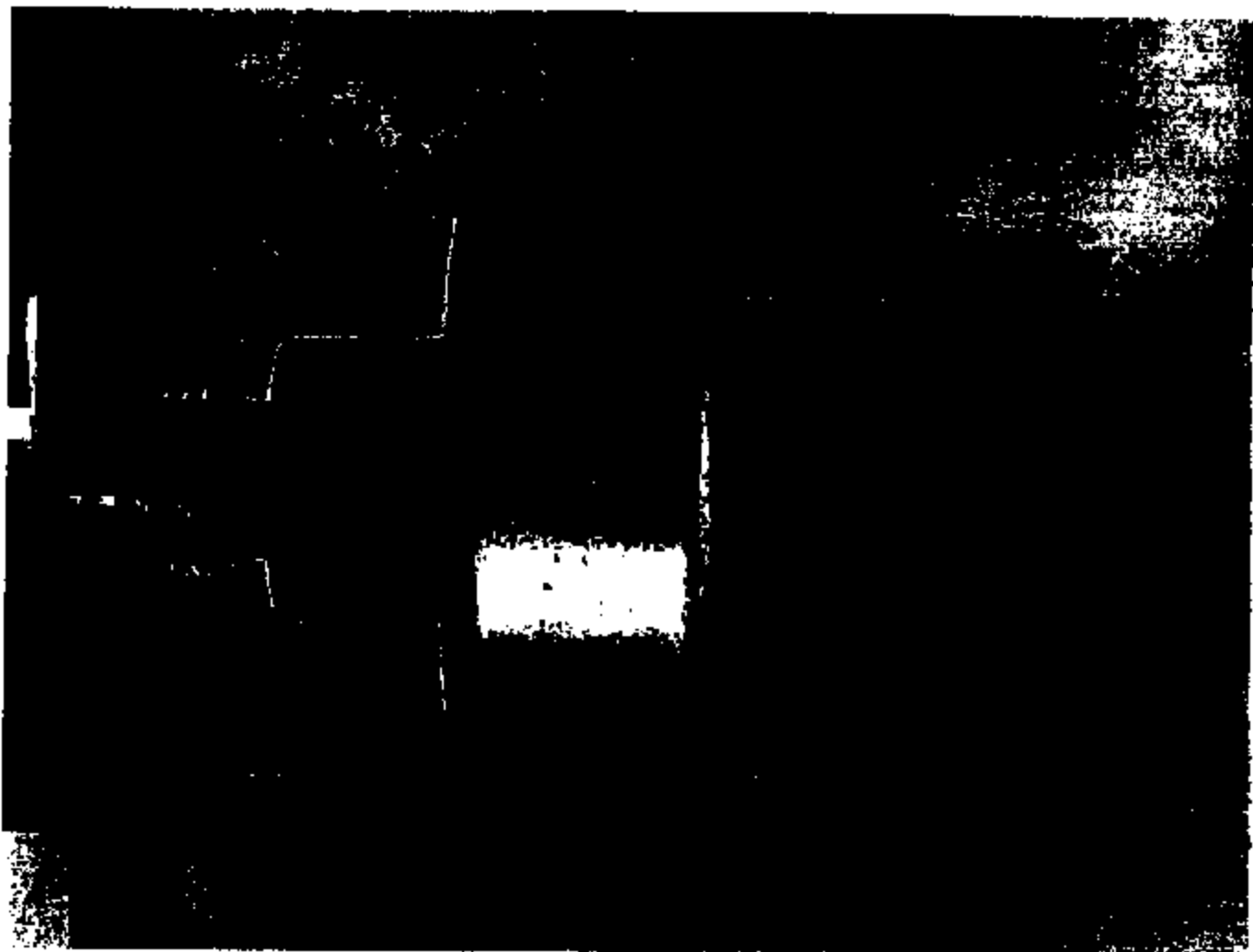
8 Gasket Inspection

Present? Yes No
 Nitric/oxidizing material? Yes No
 Gasket thickness: 0.0299 inches
0.0300 inches
0.0298 inches

9 Package and Store

10 Analysis Summary: NTP Issue Discovered

TI-NHTSA 9122



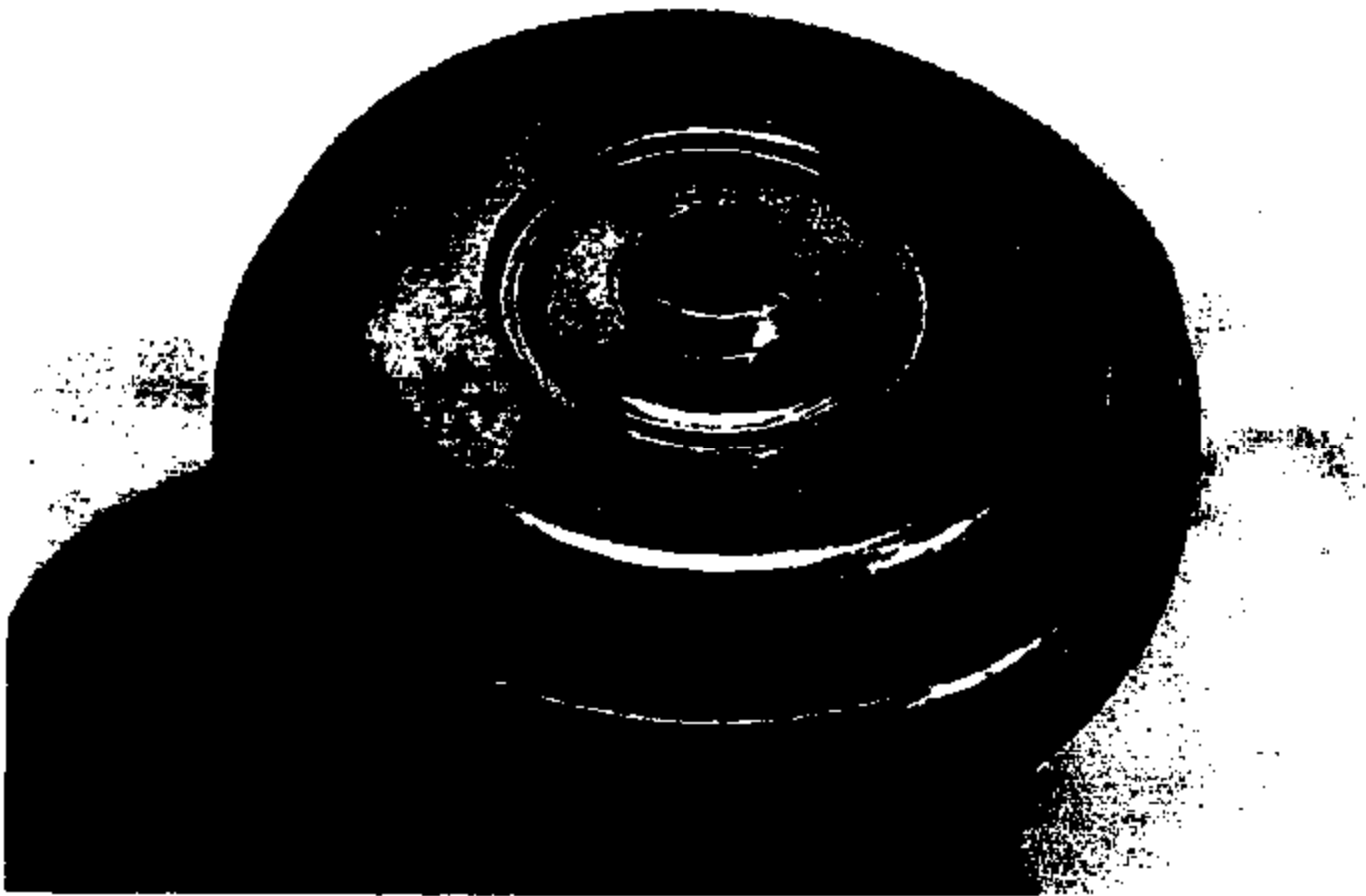
TI-NHTSA 9123



TI-NHTSA 9124



TI-NHTSA 9125



TI-NHTSA 9126



/ side /

TI-NHTSA 9127



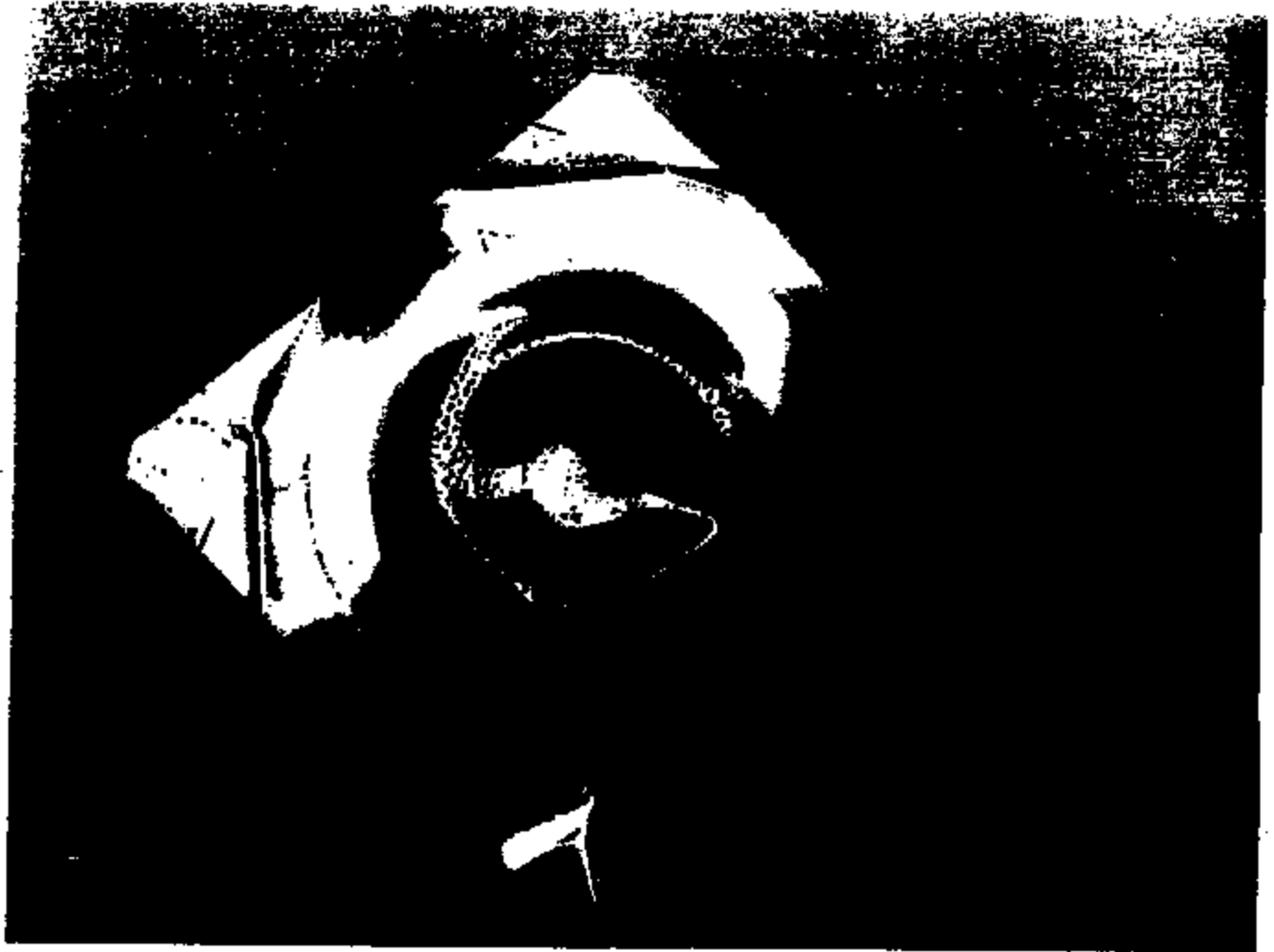
1 side

TI-NHTSA 9128



2 side

TI-NHTSA 8129



2 side 2

TI-NHTSA 9130



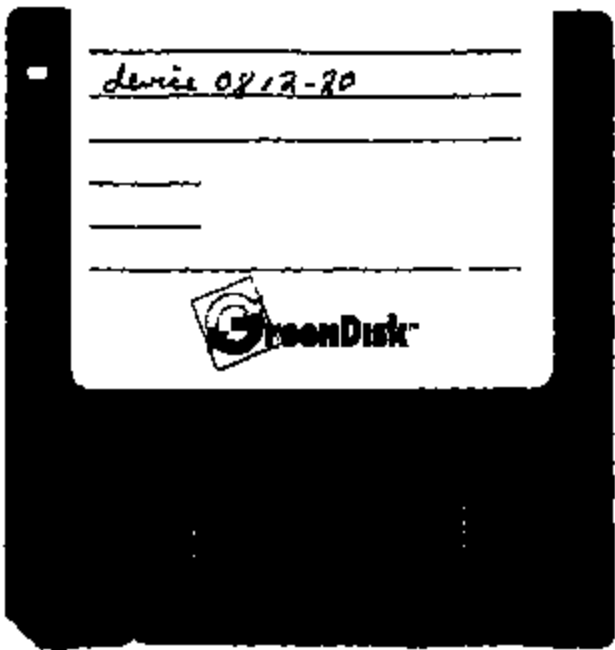
3/2/01

TI-NHTSA 9131



3aido2

TI-NHTSA 9132



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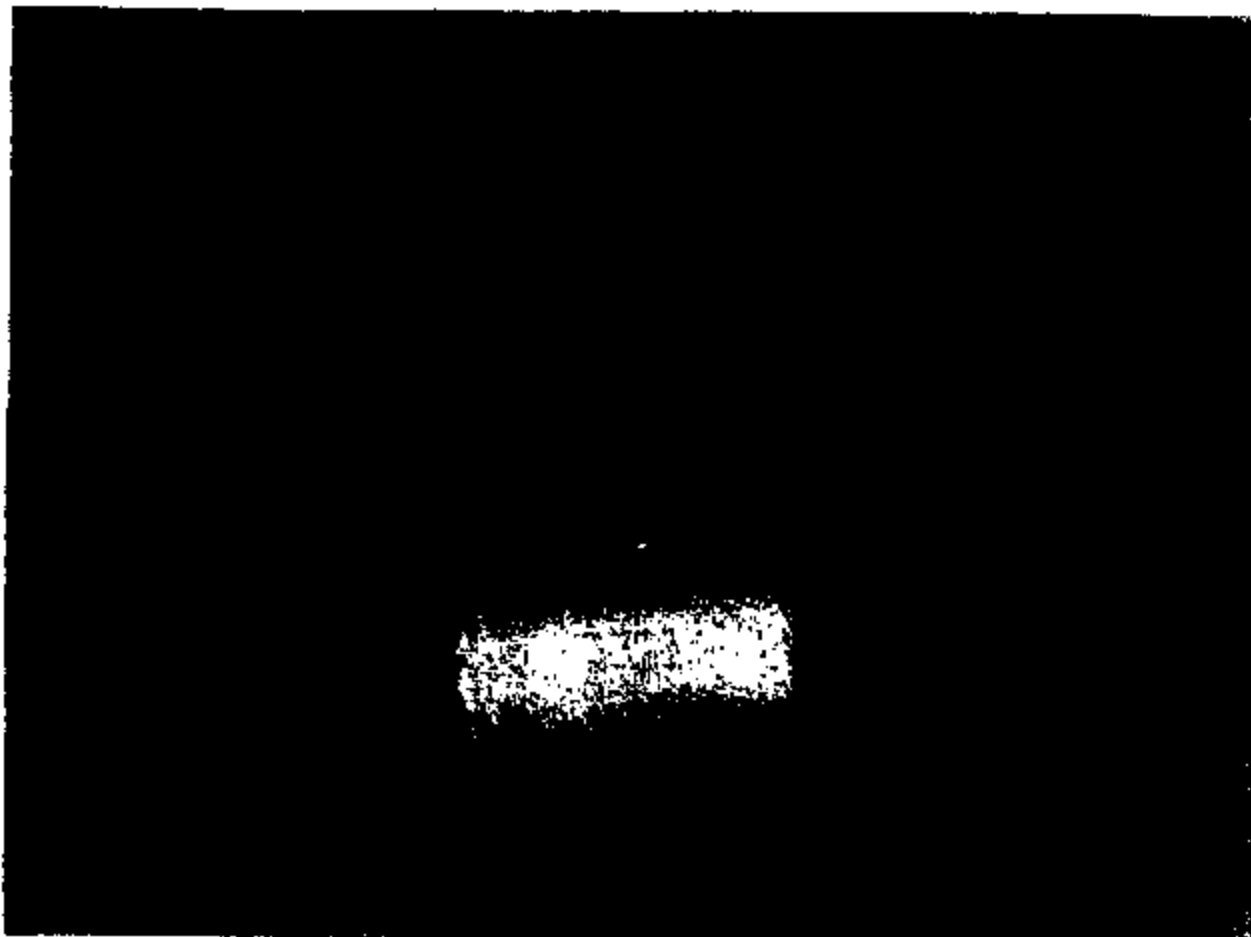
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TI-NHTSA 9134



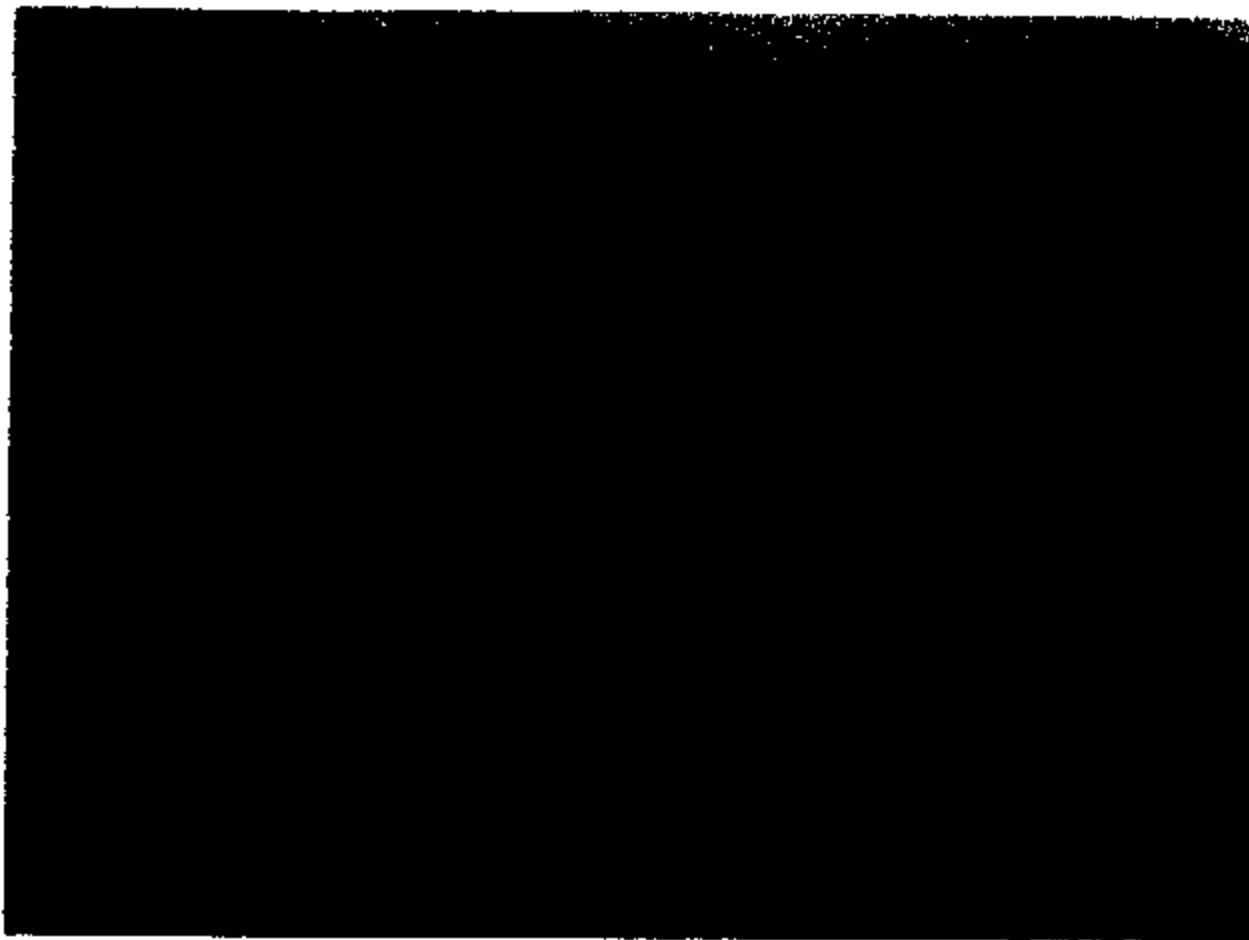
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TI-NHTSA 9136



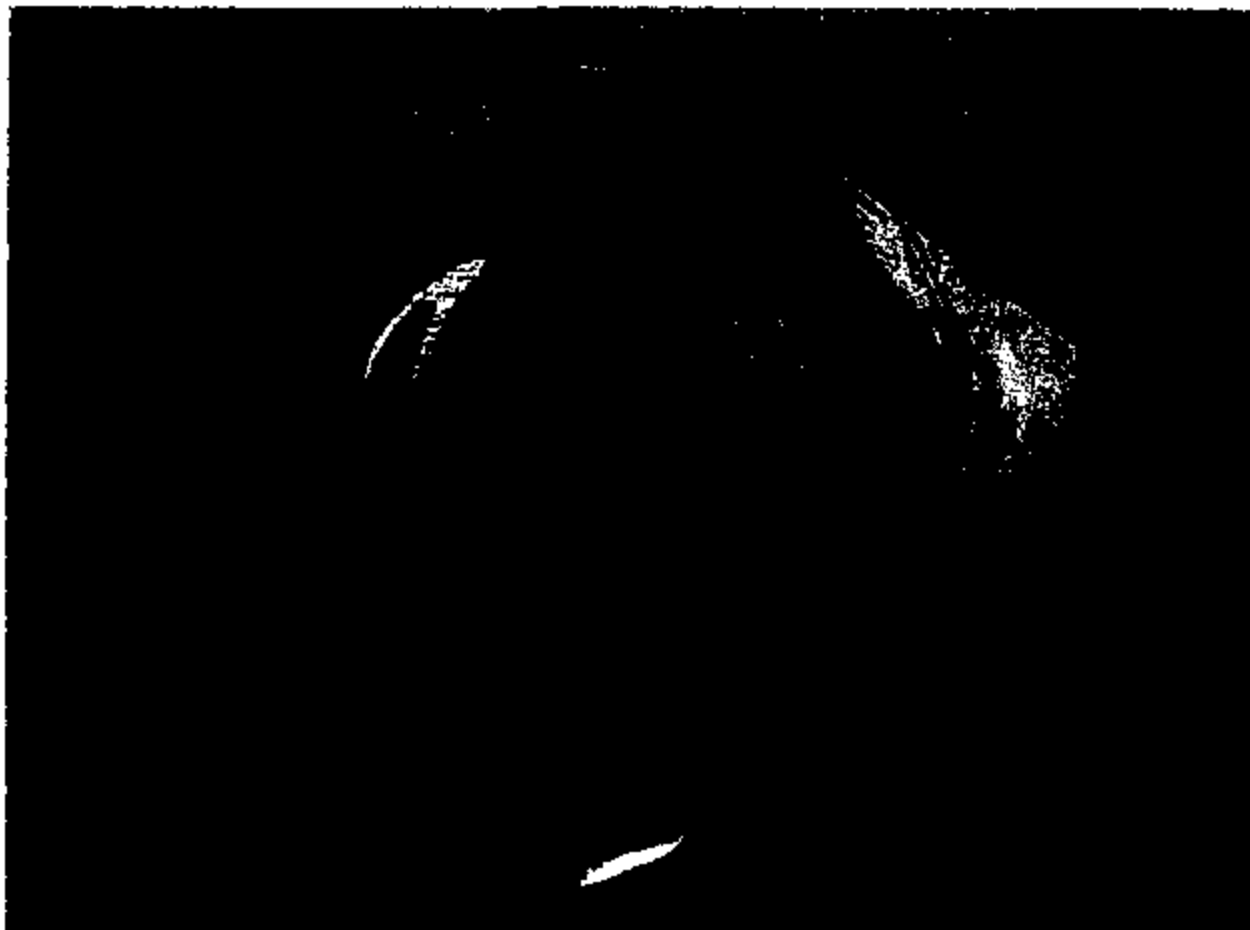
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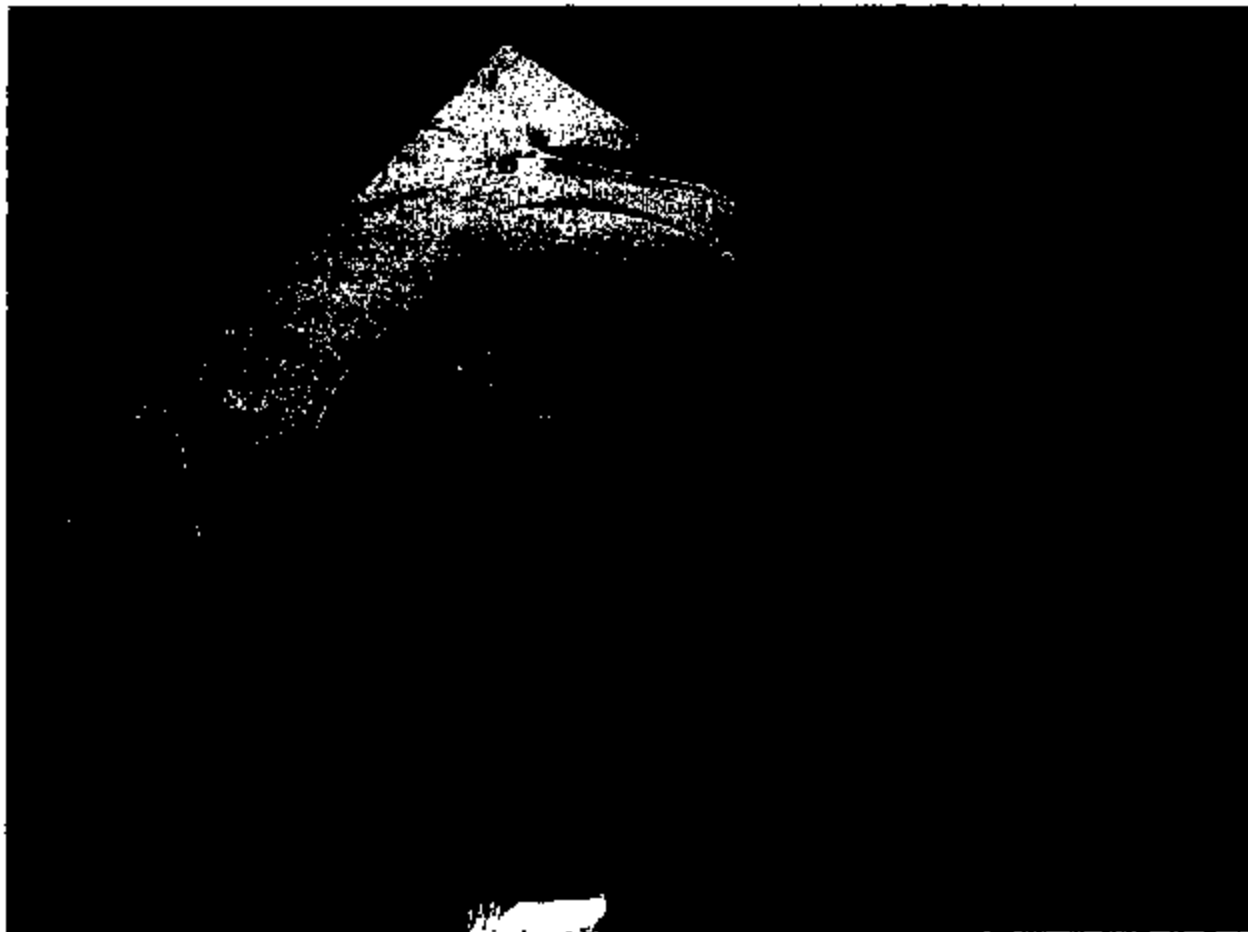
TI-NHTSA 9139



TI-NHTSA 9140



TI-NHTSA 9141



TI-NHTSA 9142



TI-NHTSA 9143



TI-NHTSA 9144



TI-NHTSA 9145



TI-NHTSA 9146

77PSL2-1 Return Analysis Sheet

Device ID: 22-9-23 Date: 2-2-77 Ford Part # AB
 Operator's Name: _____ Sw Date Code: 5-1-77 Technician: RET

1 Visual Inspection

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

2 Current draw:

Terminal to Terminal? 2.5 Ohms
 Terminal to Harness? 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
 BF leak? No Yes
 Environment seal condition? Good Bad
 If seal bad, Why?
 Corrosion? Yes No
 Pictures

5 Leak Test Sensor Arm.

Pass Fail

6 Open Cup Crimp.

7 Diaphragm Inspection

	Neutral Fluid			Middle			Neutral Converter		
	Fluid Teflon	SI Kapton	Converter Teflon	Fluid Teflon	SI Kapton	Converter Teflon	Fluid Teflon	SI Kapton	Converter Teflon
Teflon stretch	✓		✓	✓		✓	✓		✓
Teflon cracks	✓		✓	✓		✓	✓		✓
Teflon delamination	✓		✓	✓		✓	✓		✓
Kapton cracks		✓			✓			✓	
Strain pattern		✓			✓			✓	
Wear particles/dissolution	✓		✓	✓		✓	✓		✓

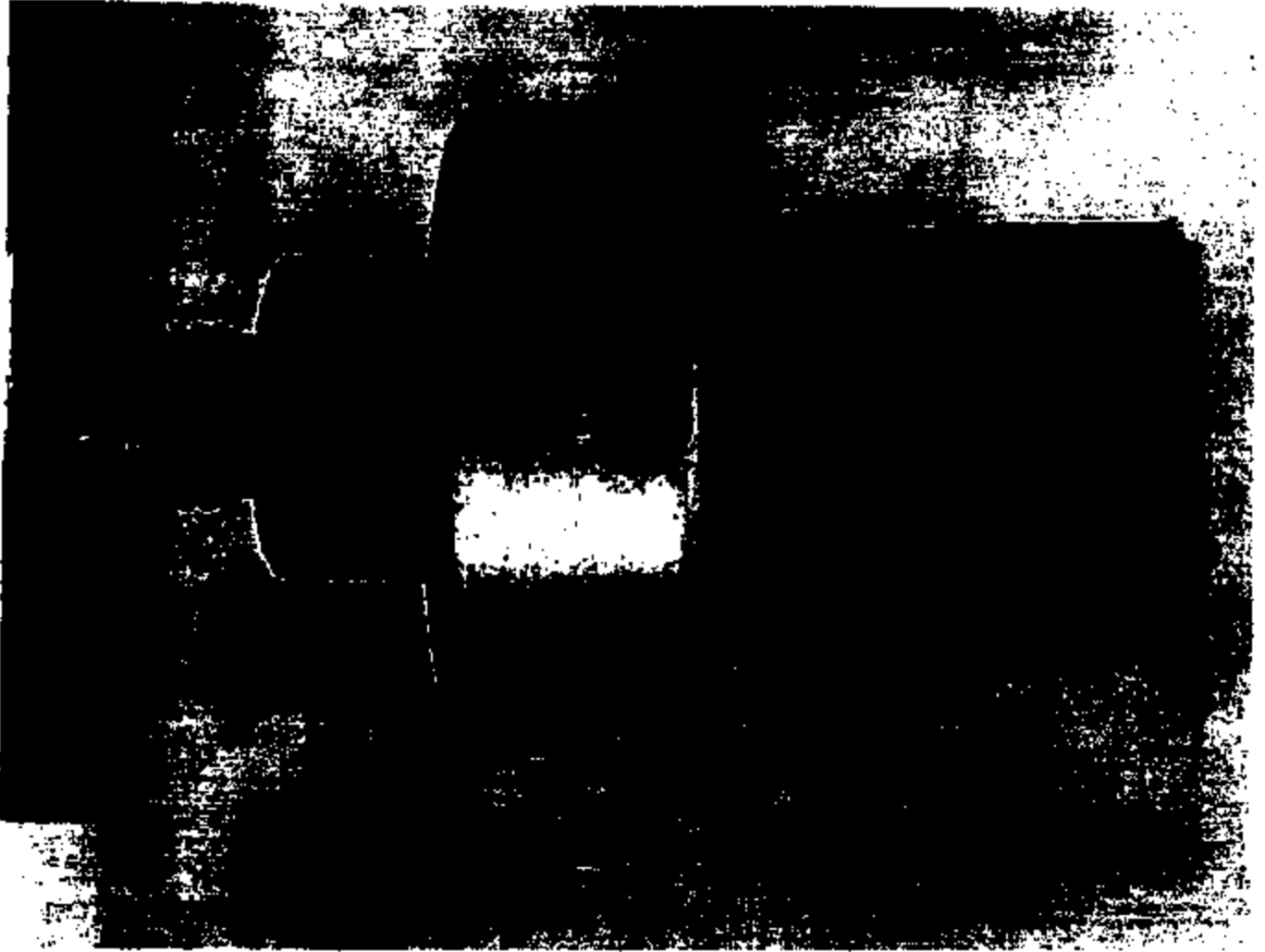
8 Gasket Inspection

Present Yes No
 Nibbling/missing material Yes No
 Gasket thickness
4.8/77 inches
4.8/77 inches
4.8/77 inches

9 Package and Store

10 Analysis Summary: NTF Issue Discovered

TI-NHTSA 9147



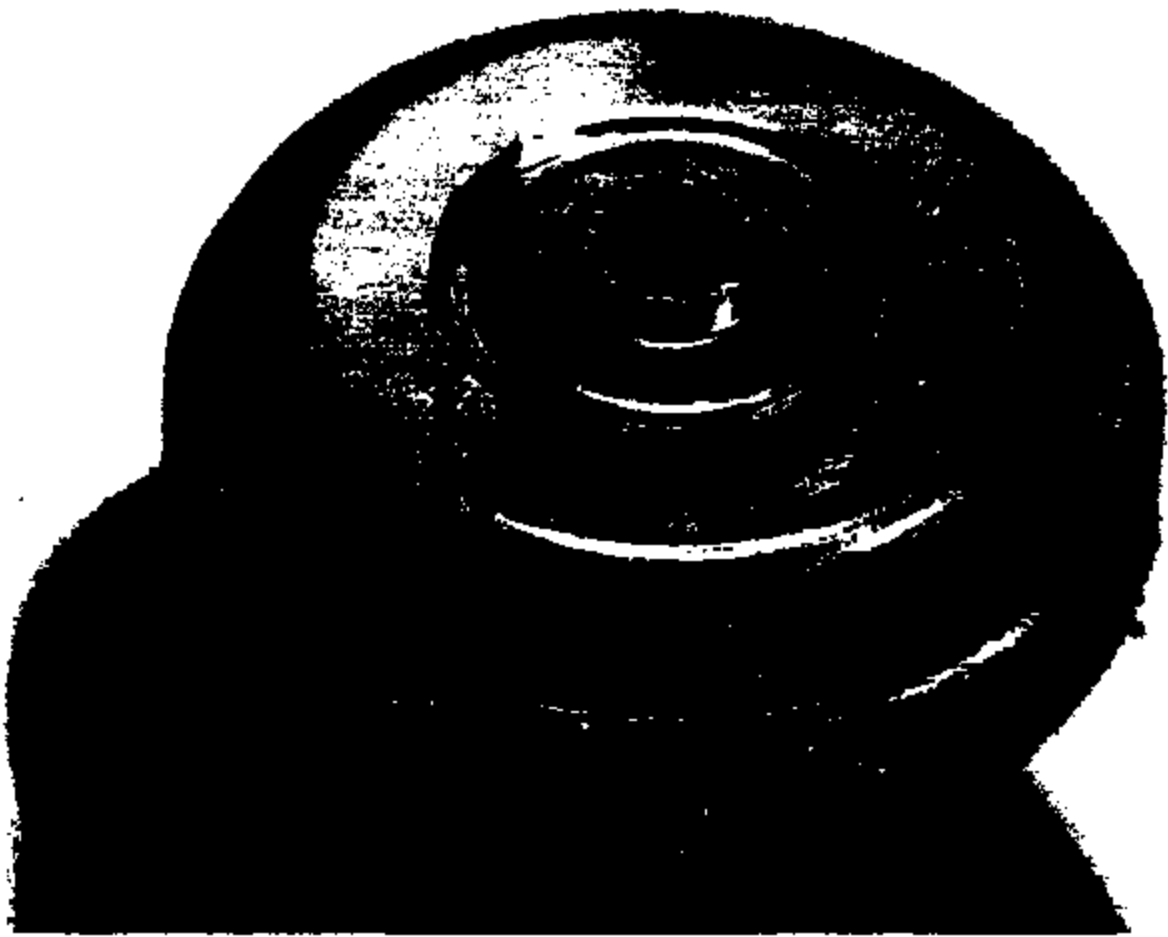
TI-NHTSA 9148



TI-NHTSA 8149



TI-NHTSA 9150



TI-NHTSA 9151



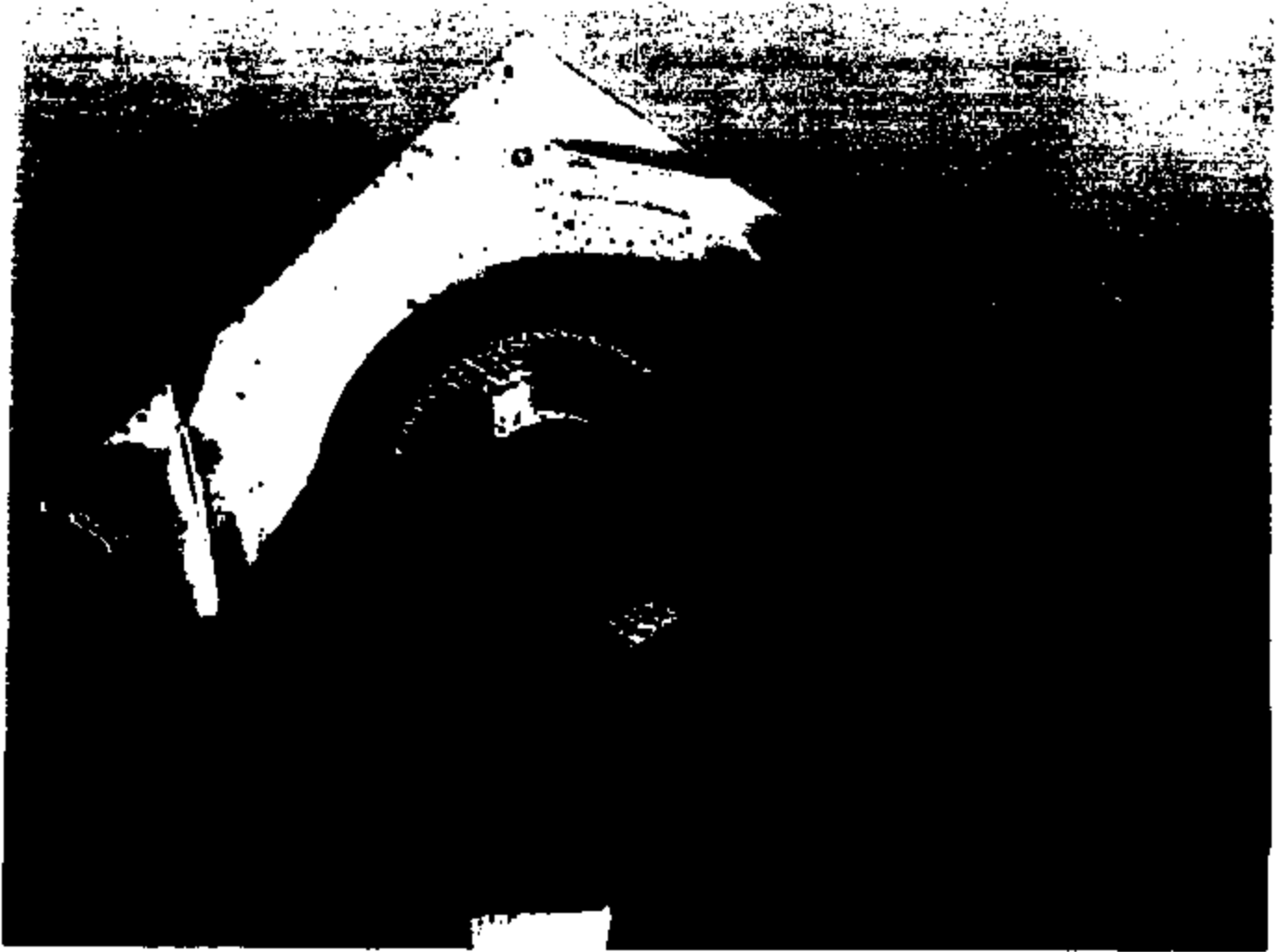
1 side 1

TI-NHTSA 9152



1/10/02

TI-NHTSA 9153



2 side 1

TI-NHTSA 9154



2 side 2

TI-NHTSA 9155



3 side 1

TI-NHTSA 9156



Baird

TI-NHTSA 9157

device 0812-19

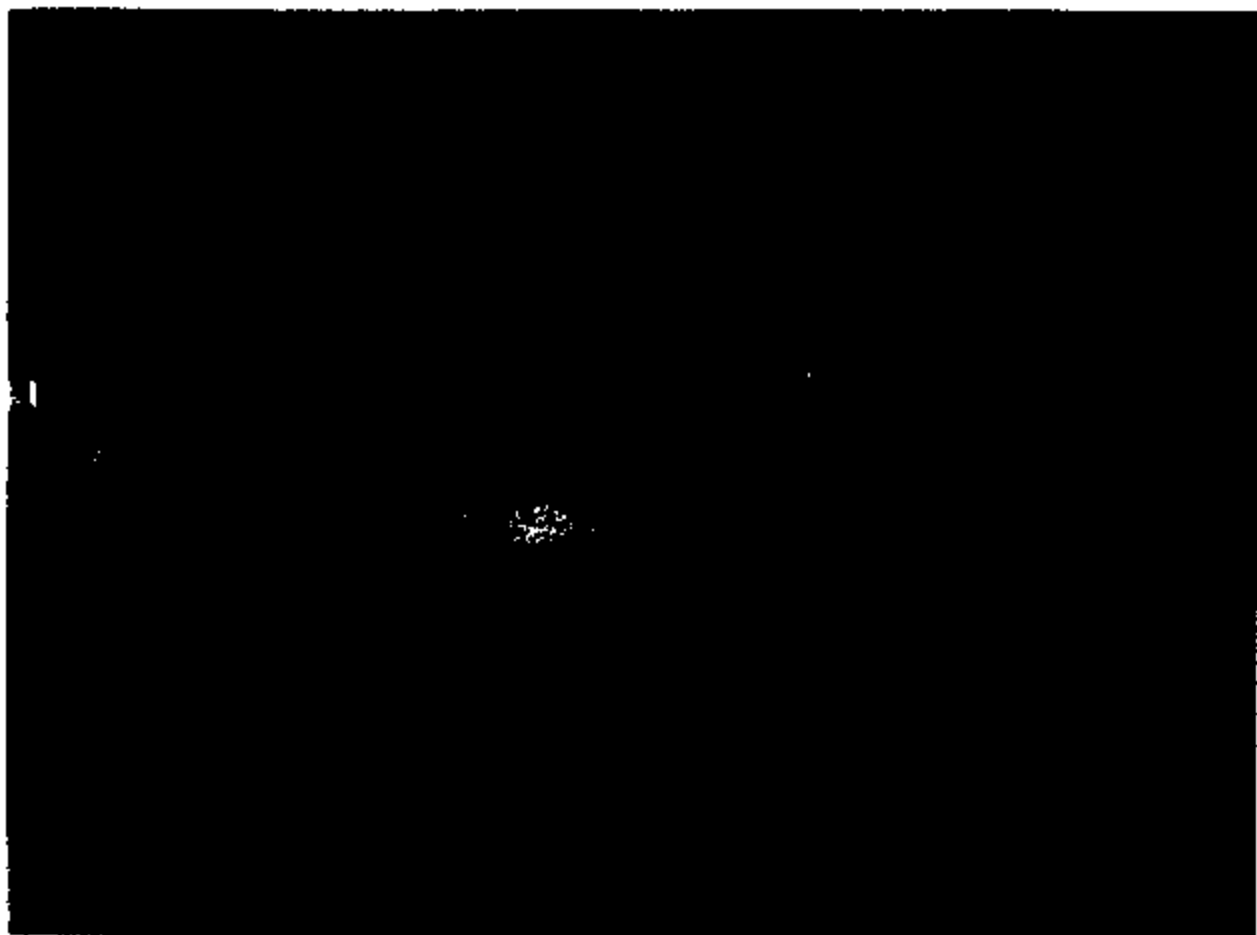


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TI-NHTSA 9159



TI-NHTSA 9160