EA02-025

TEXAS INSTRUMENTS, INC.'S

09/10/03

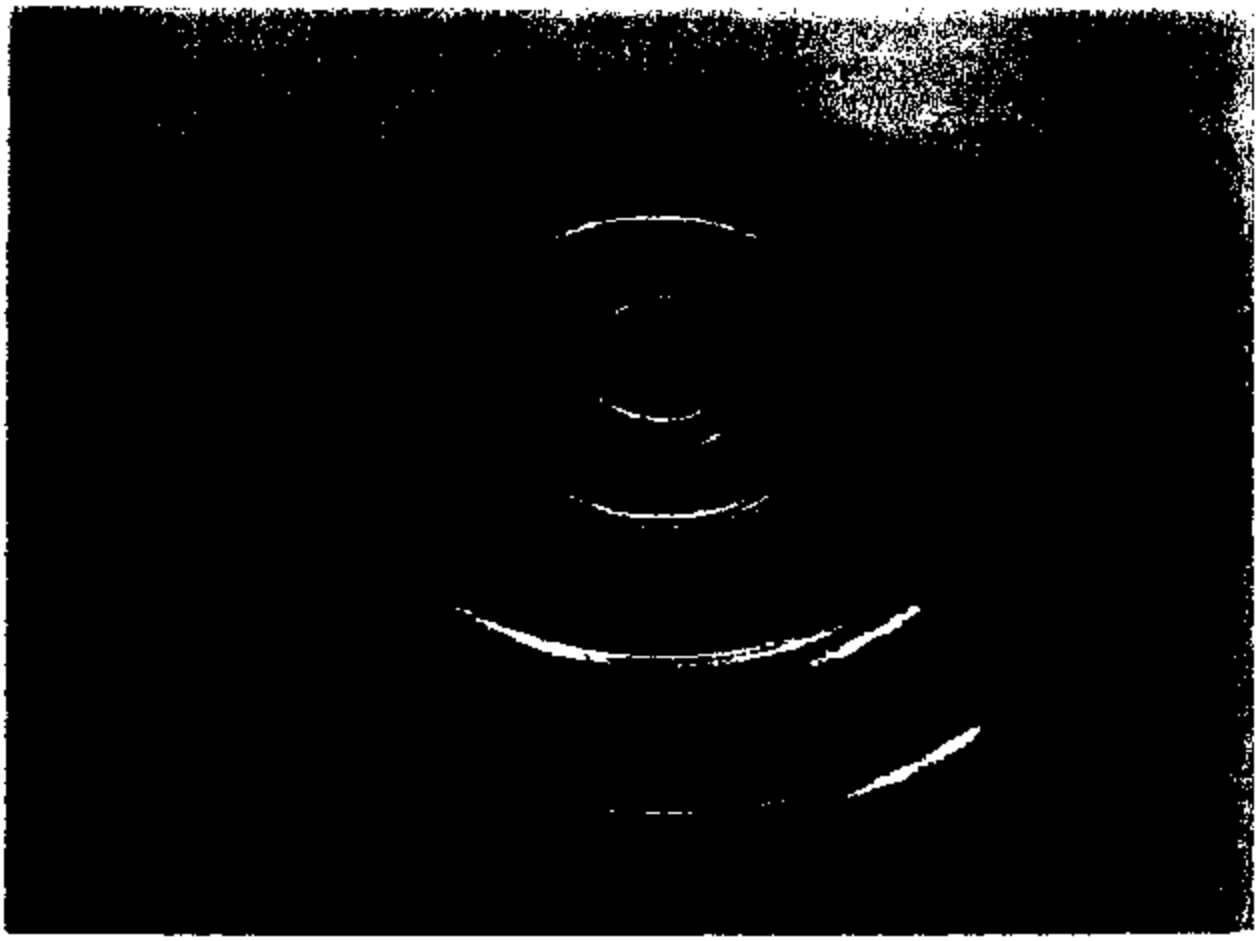
LETTER TO ODI

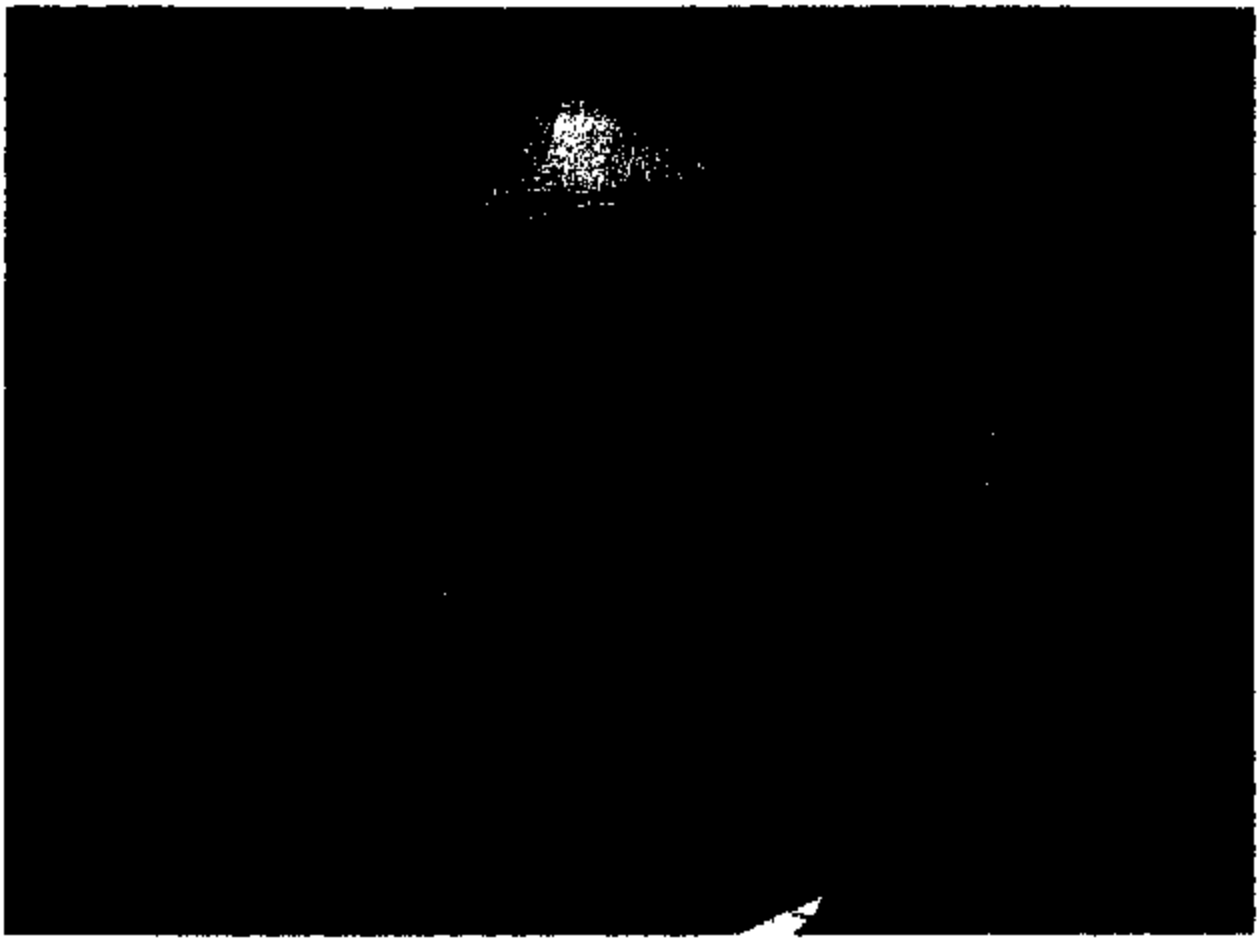
REQUEST # 5

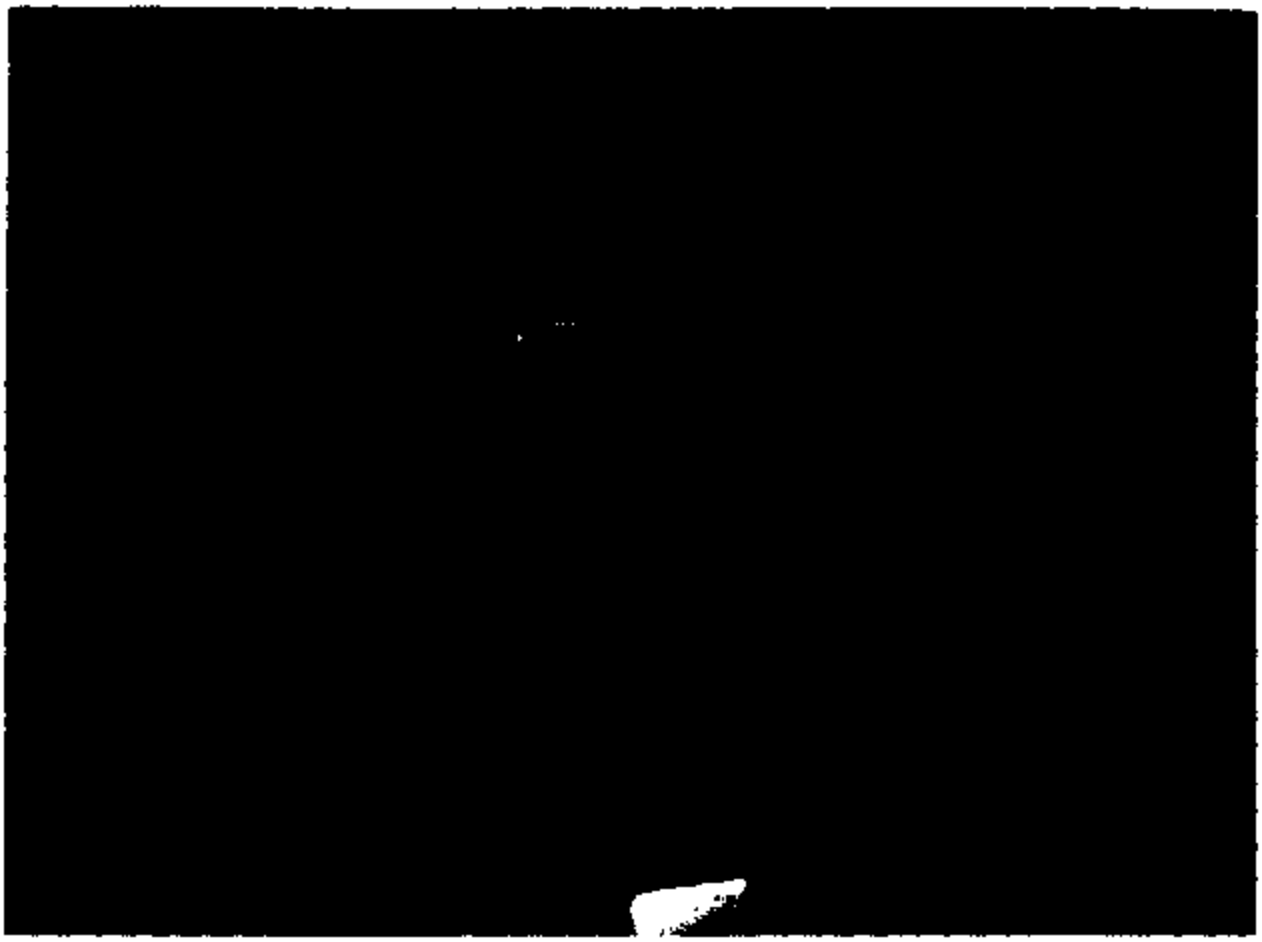
BOX 6

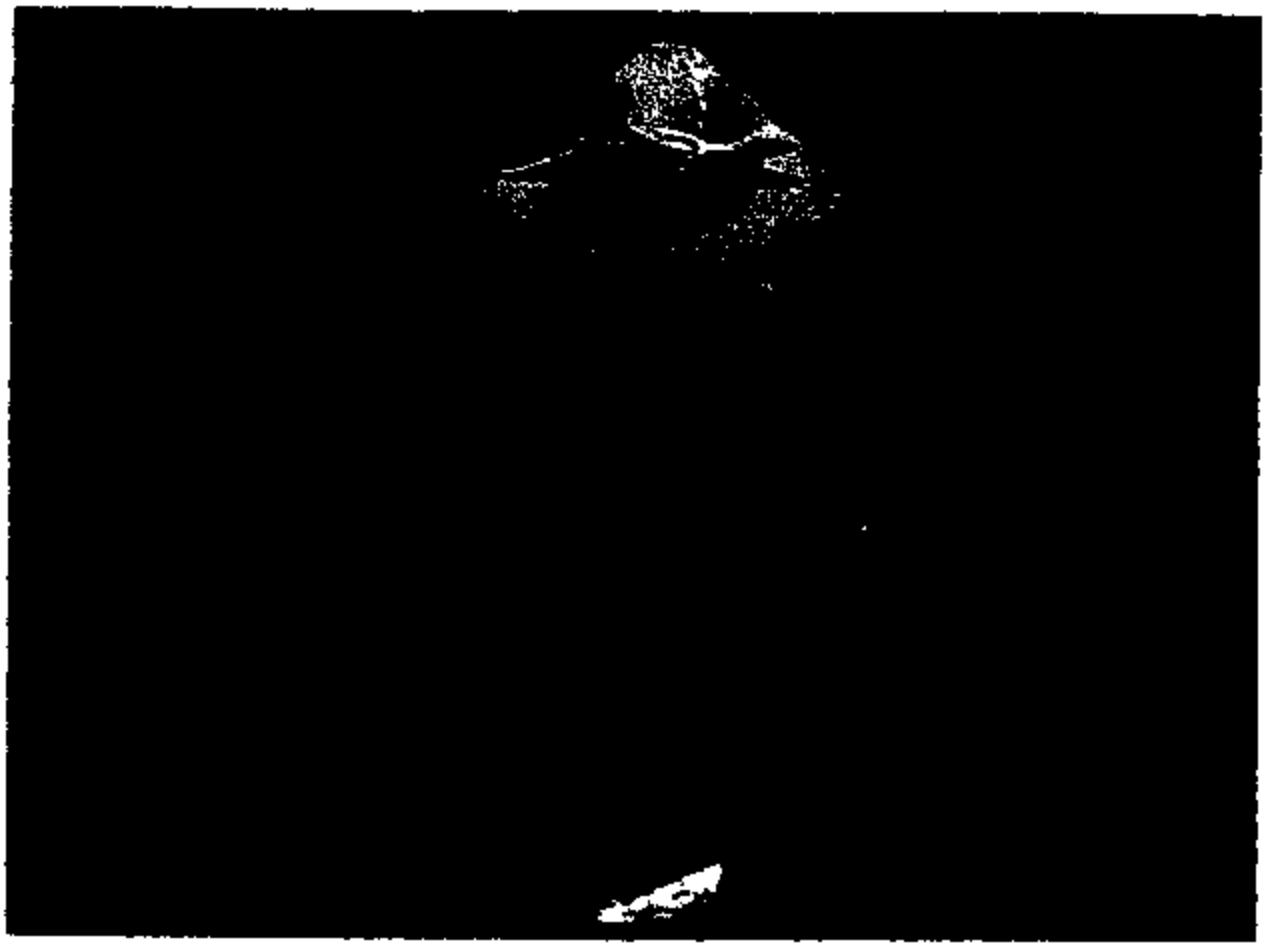
PART A-M

PART H









77PSL2-1 Return Analysis Sheet

Device ID: [illegible] Date: [illegible] = 247 Ford Part # AB

Operator's Name: _____ Sw Date Code: [illegible] Technician [illegible]

1 Visual Inspection

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

2 Current draw :

Terminal to Terminal?	0.2 Ohms	
Terminal to Hopper?	[illegible] mA	14 Vdc supply Current limited to 10 amps.

3 Open Crimp Ring

4 Visual Inspection

Connector Leak?	(No)		Yes		
Corrparent wear?	None		(Light)	Medium	Heavy
BF test?	(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 Displayset Inspection

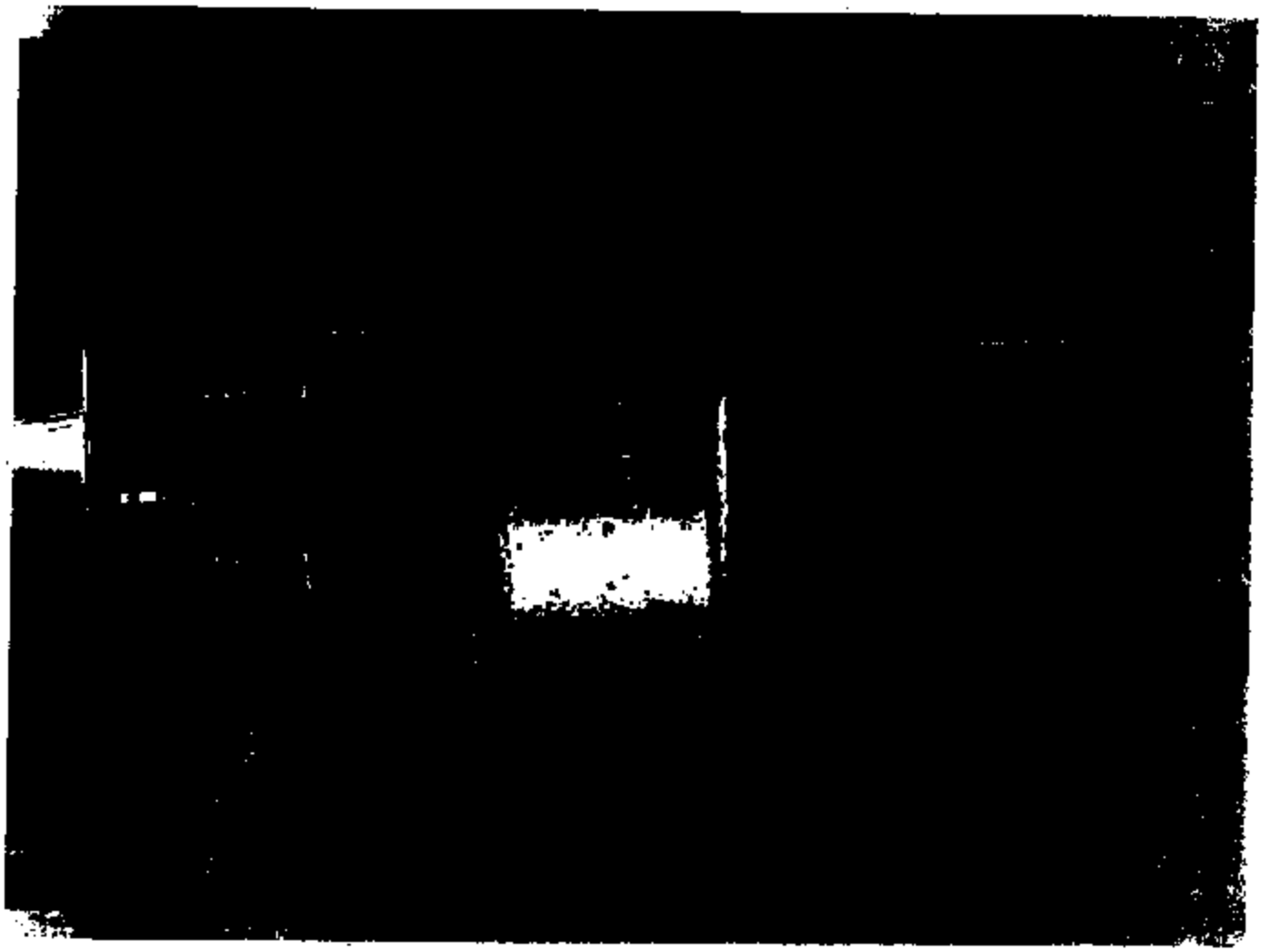
	Nearest Fluid			Middle			Nearest Converter		
	Fluid	#1	Connector	Fluid	#2	Connector	Fluid	#3	Connector
	Teflon	Kaptan	Teflon	Teflon	Kaptan	Teflon	Teflon	Kaptan	Teflon
Teflon stretch	✓		✓	✓		✓	✓		✓
Teflon cracks	✓		✓	✓		✓	~		✓
Teflon deterioration	✓		✓	✓		~	~		~
Kaptan cracks		✓			✓			✓	
Brain pattern	2	2	2	2	2	2	2	2	2
Wear particles/discoloration	✓	✓	✓	✓	✓	✓	✓	✓	✓

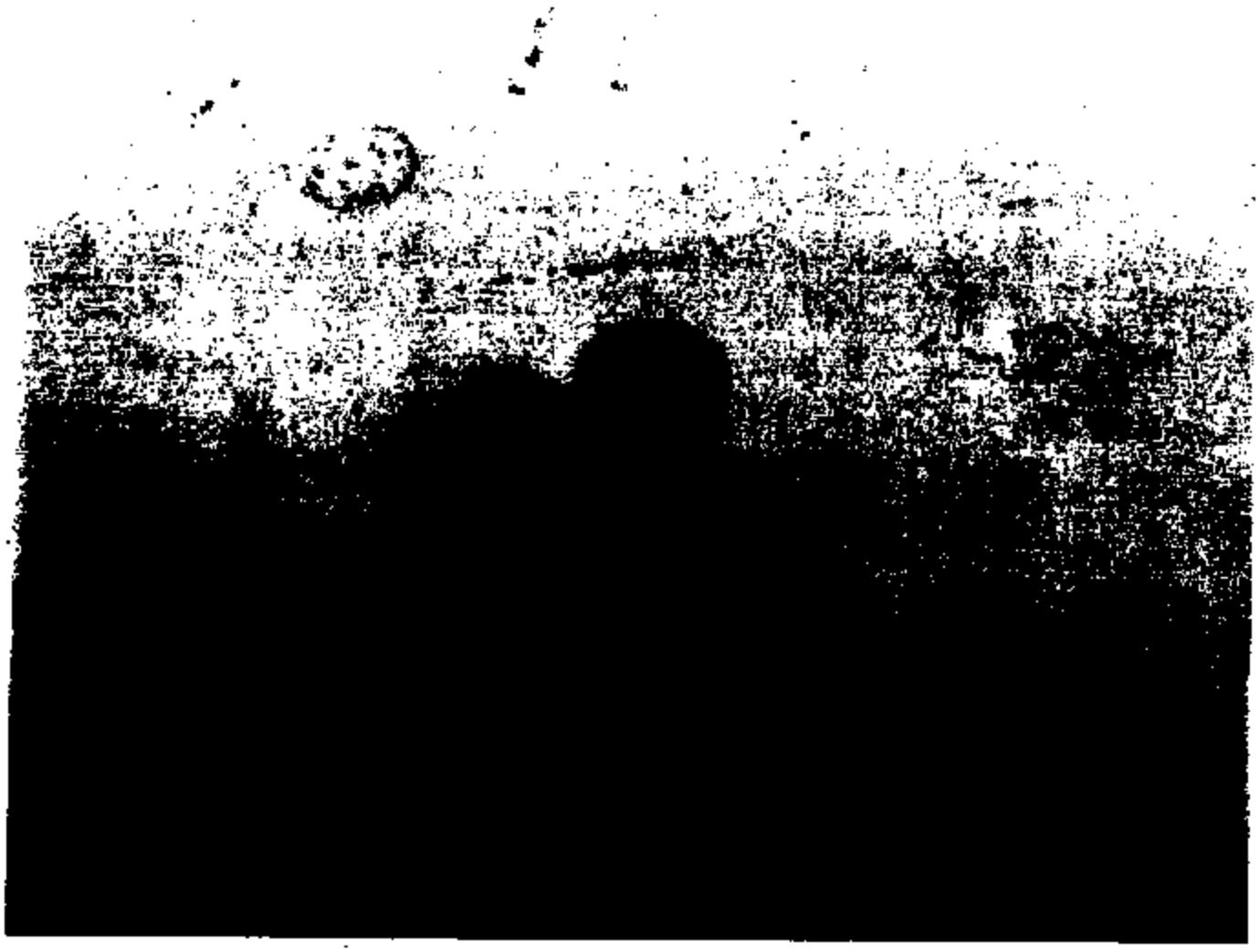
8 Gasket Inspection

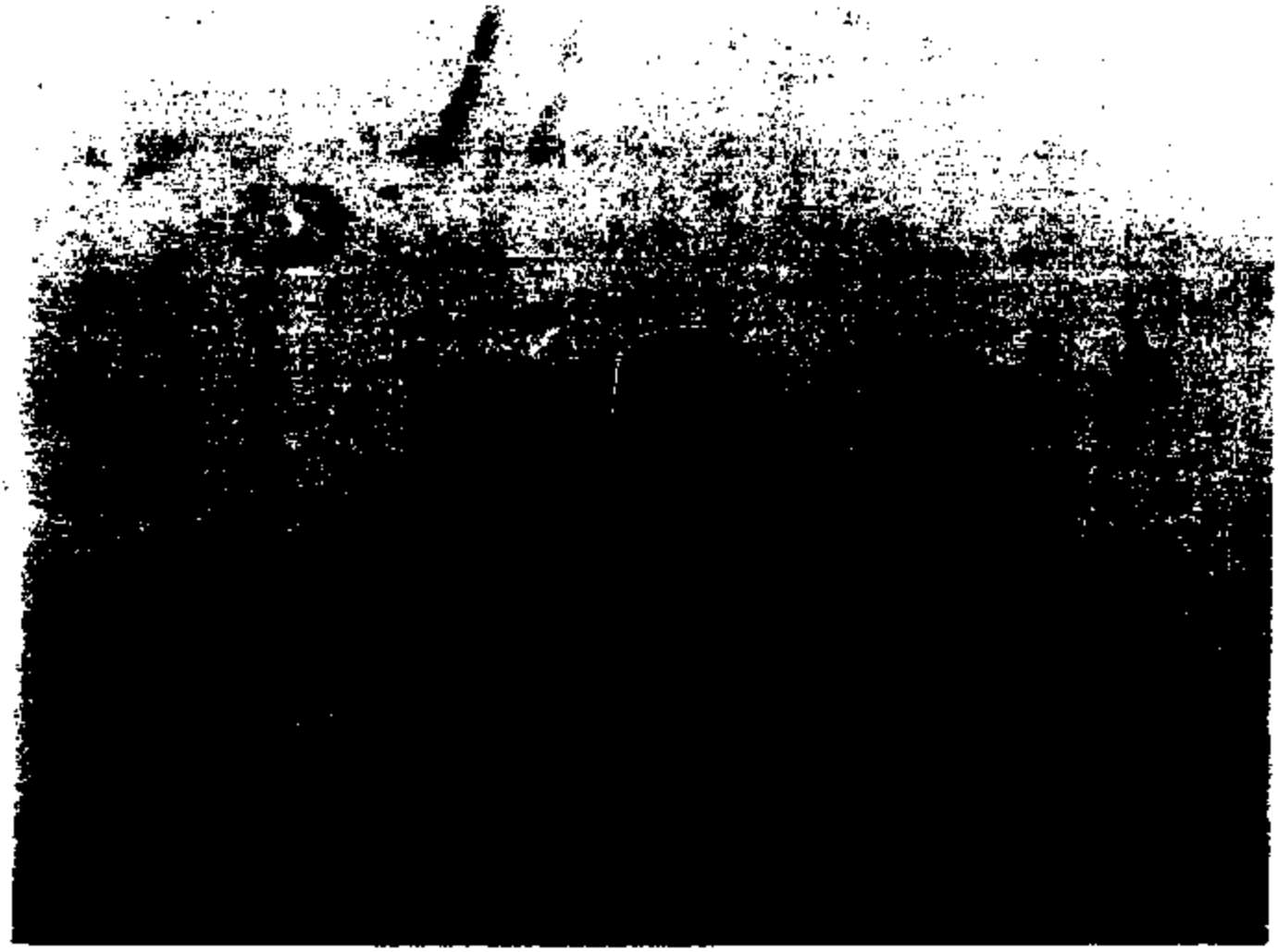
Present	(Yes)	No
Nebbsemissing material	Yes	(No)
Gasket thickness	0.0015 inches	
	0.0017 inches	
	0.0018 inches	

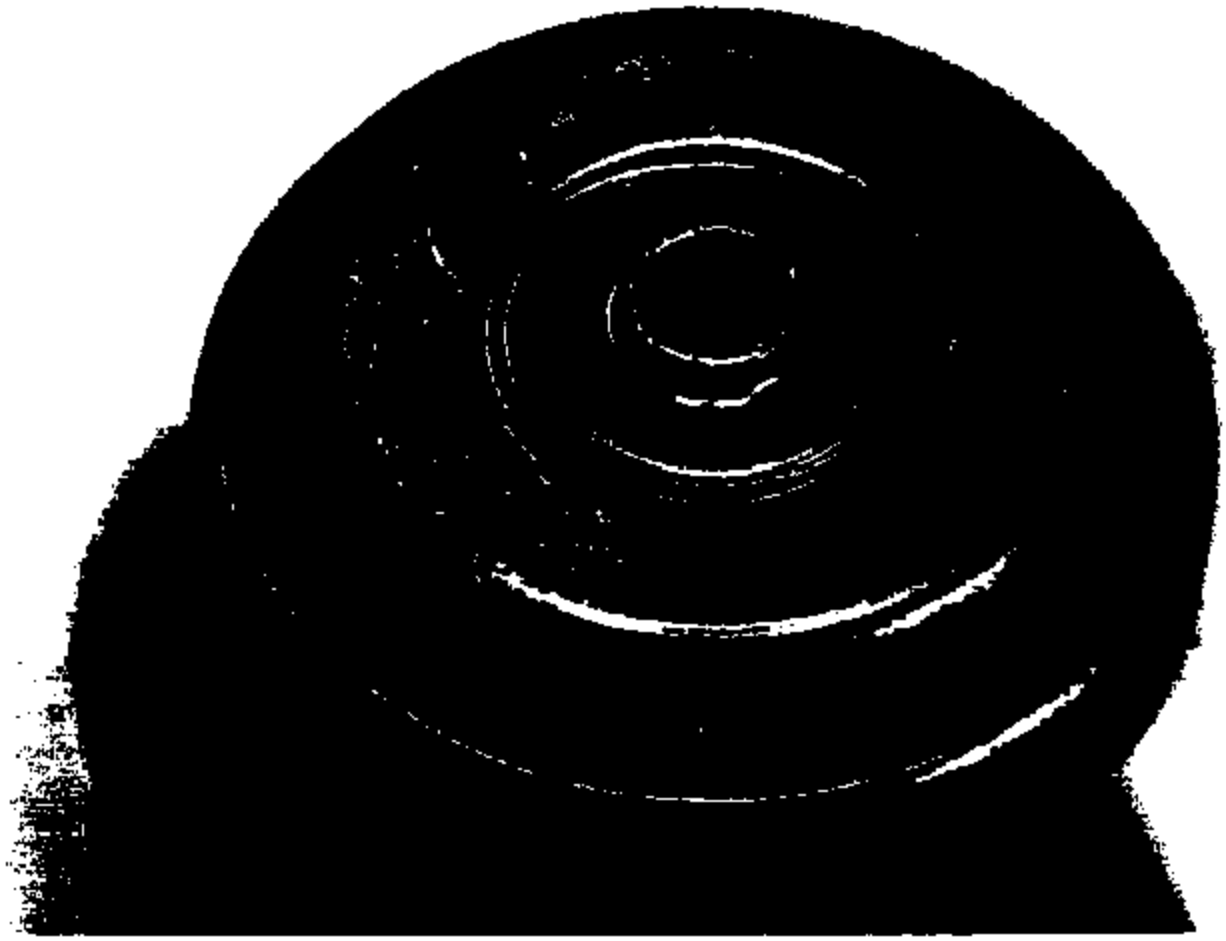
9 Package and Glass

10 Analysis Summary: NTF Issue Discovered









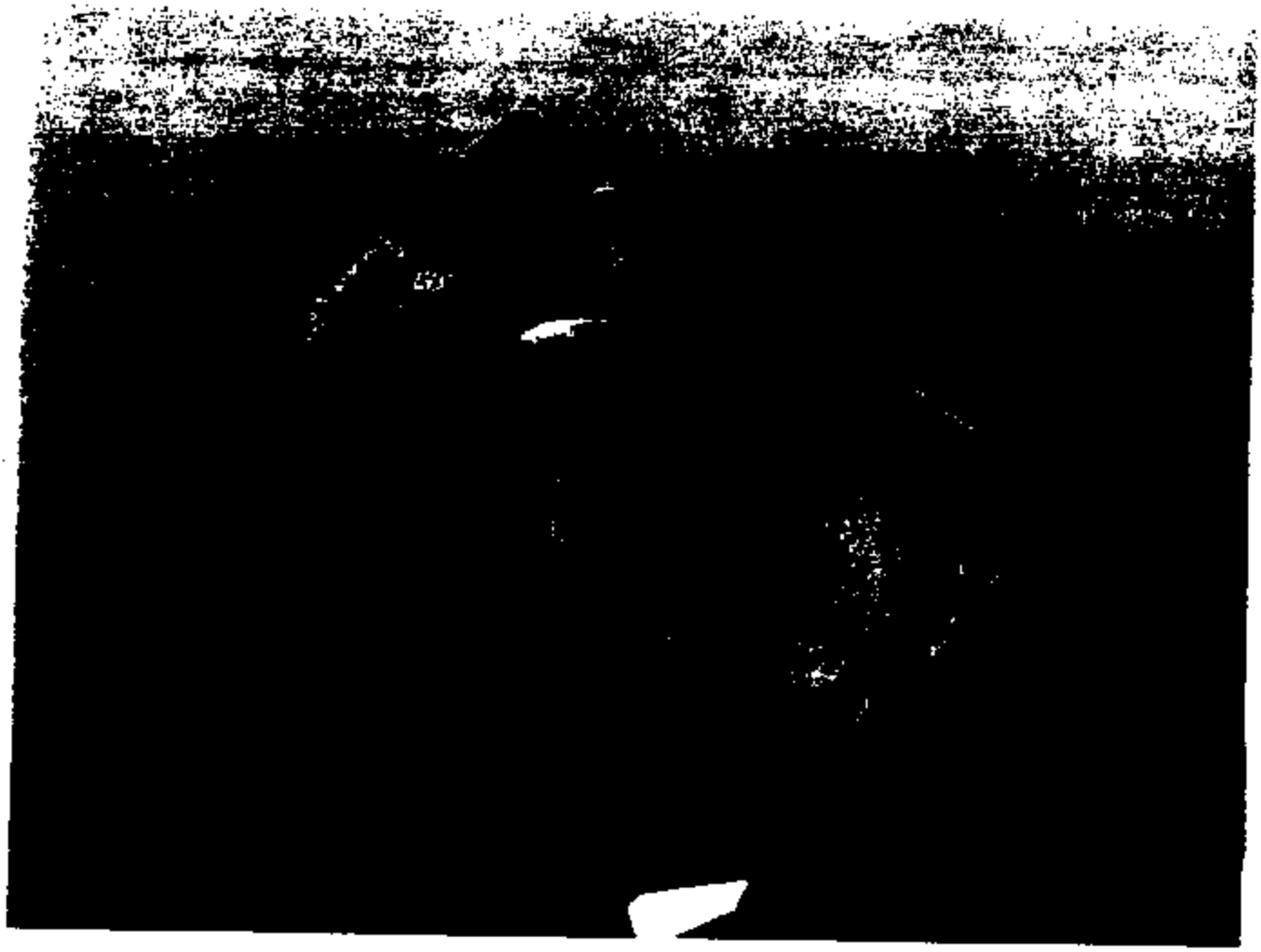
TI-NHTSA 9042

Inside 2

2 side 1

2 side 2

3 side 1



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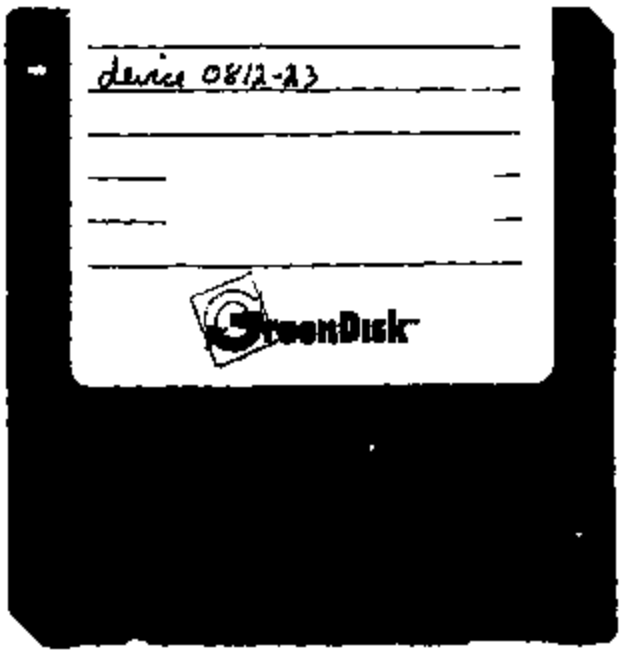
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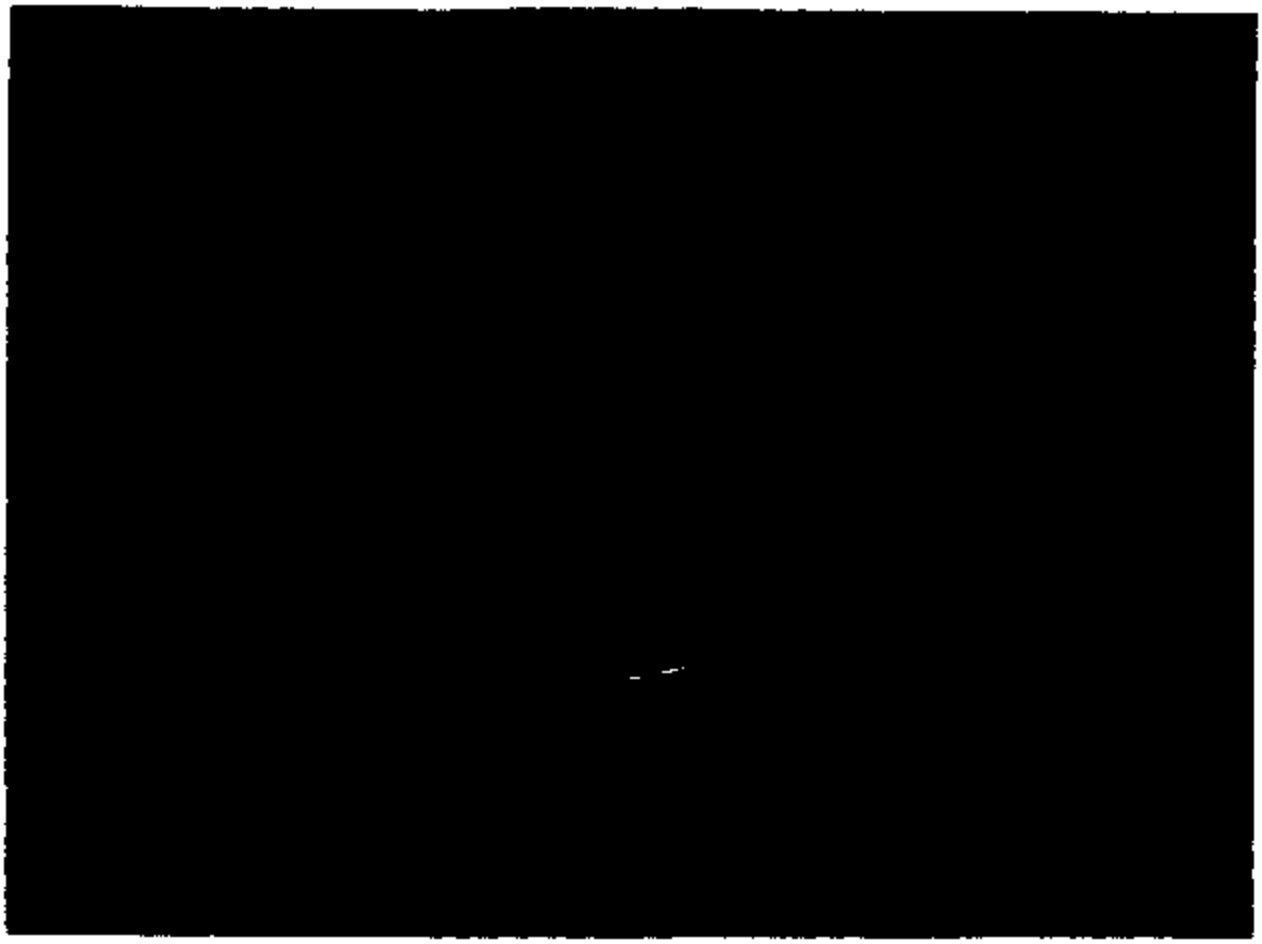
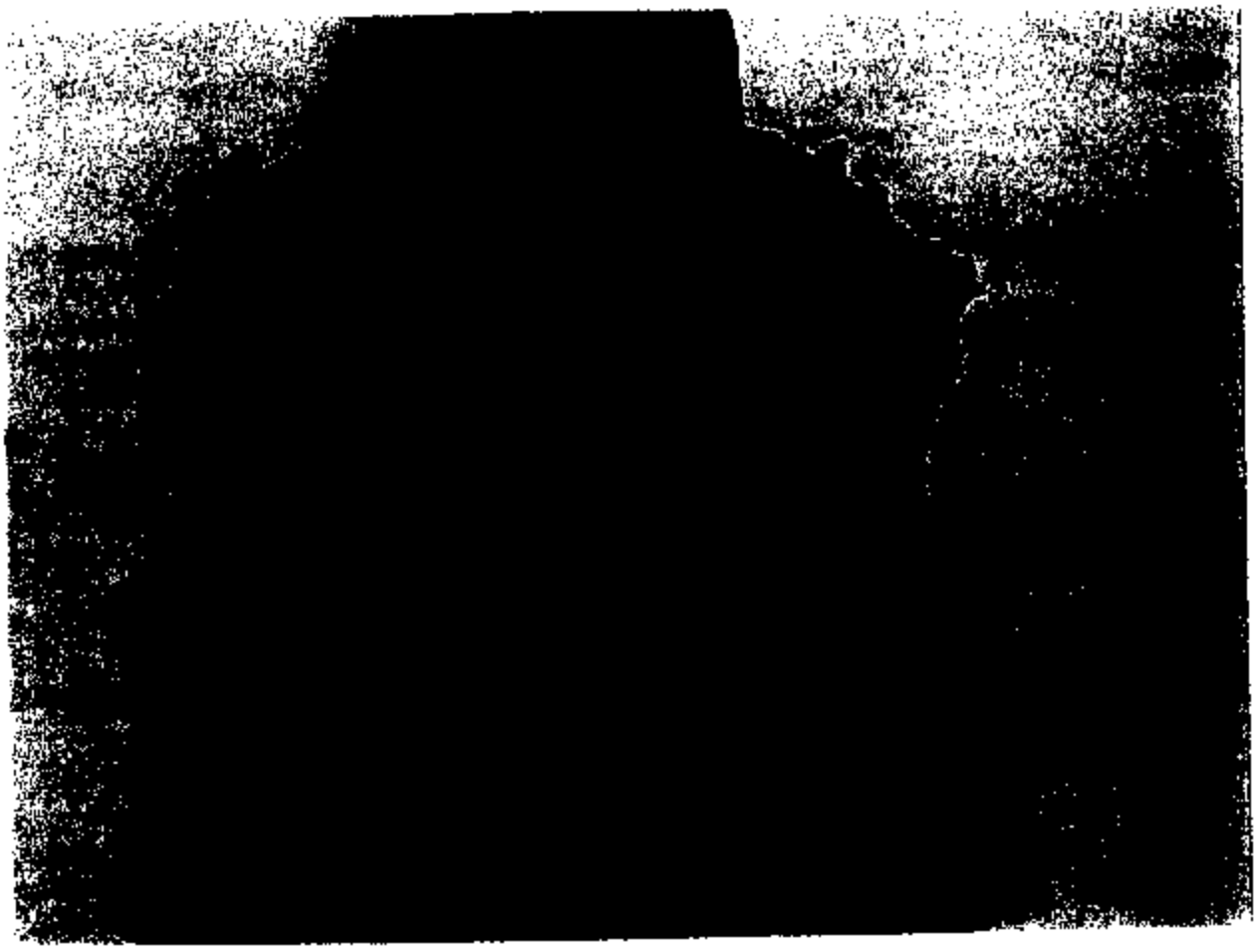
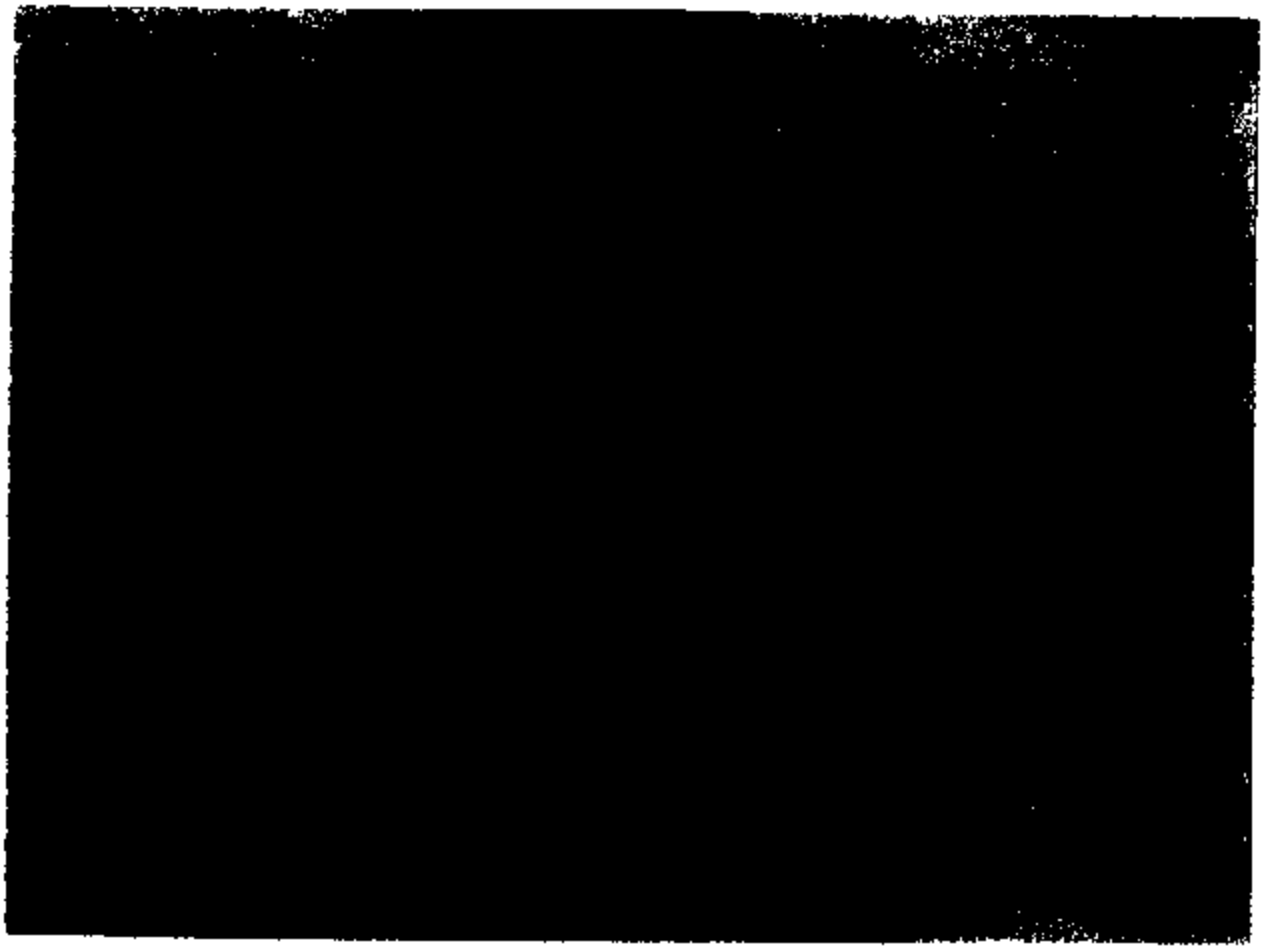
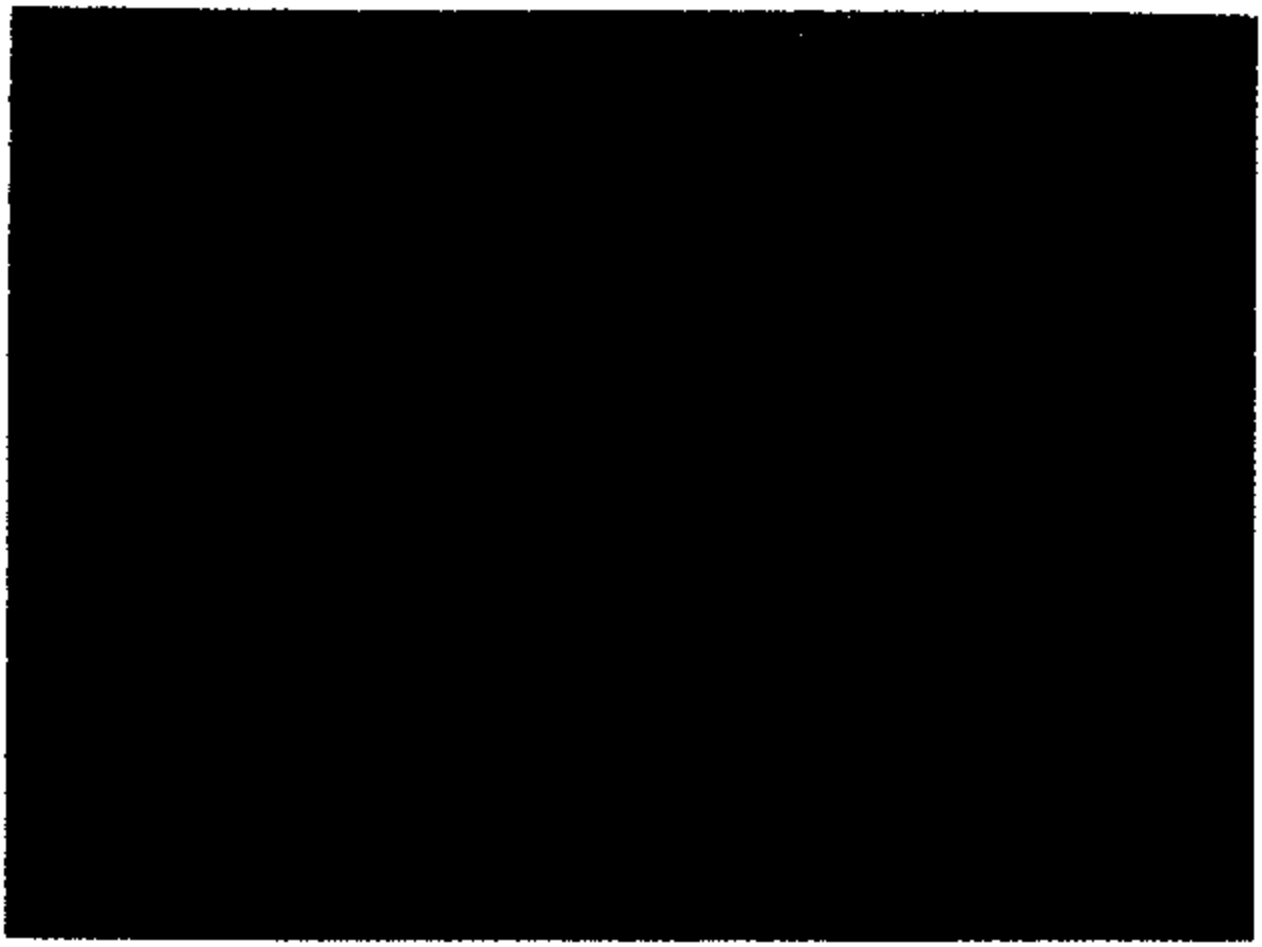
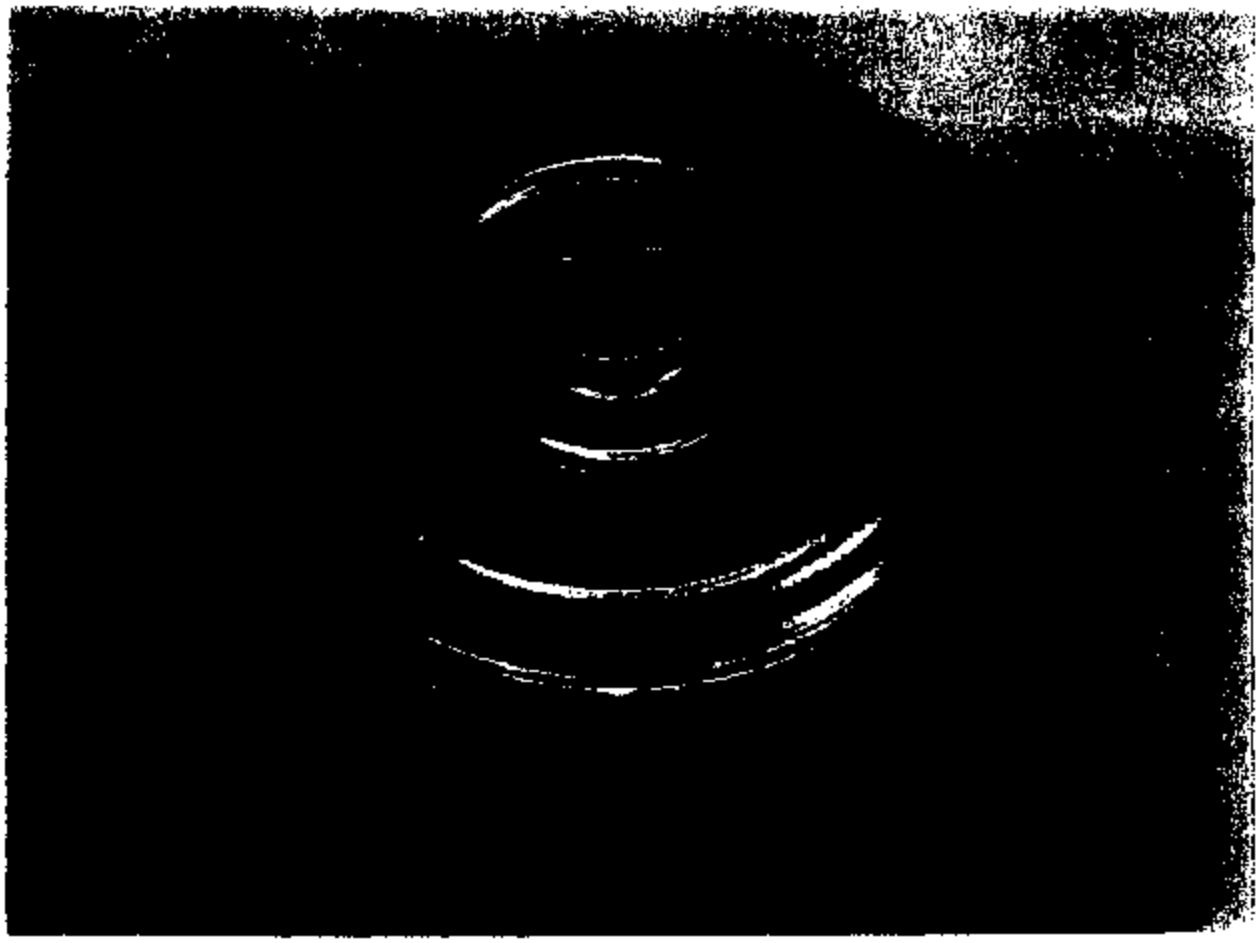
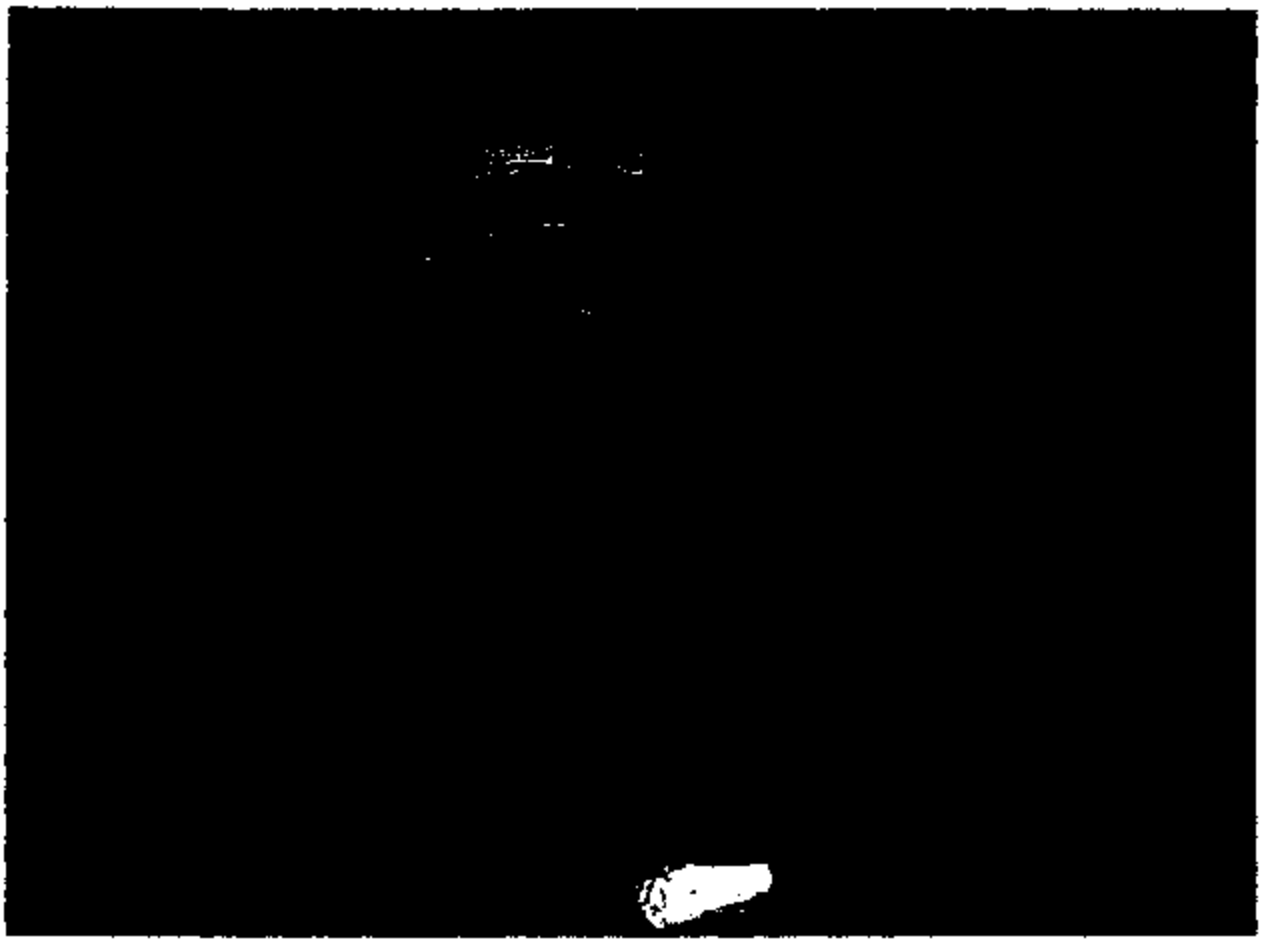


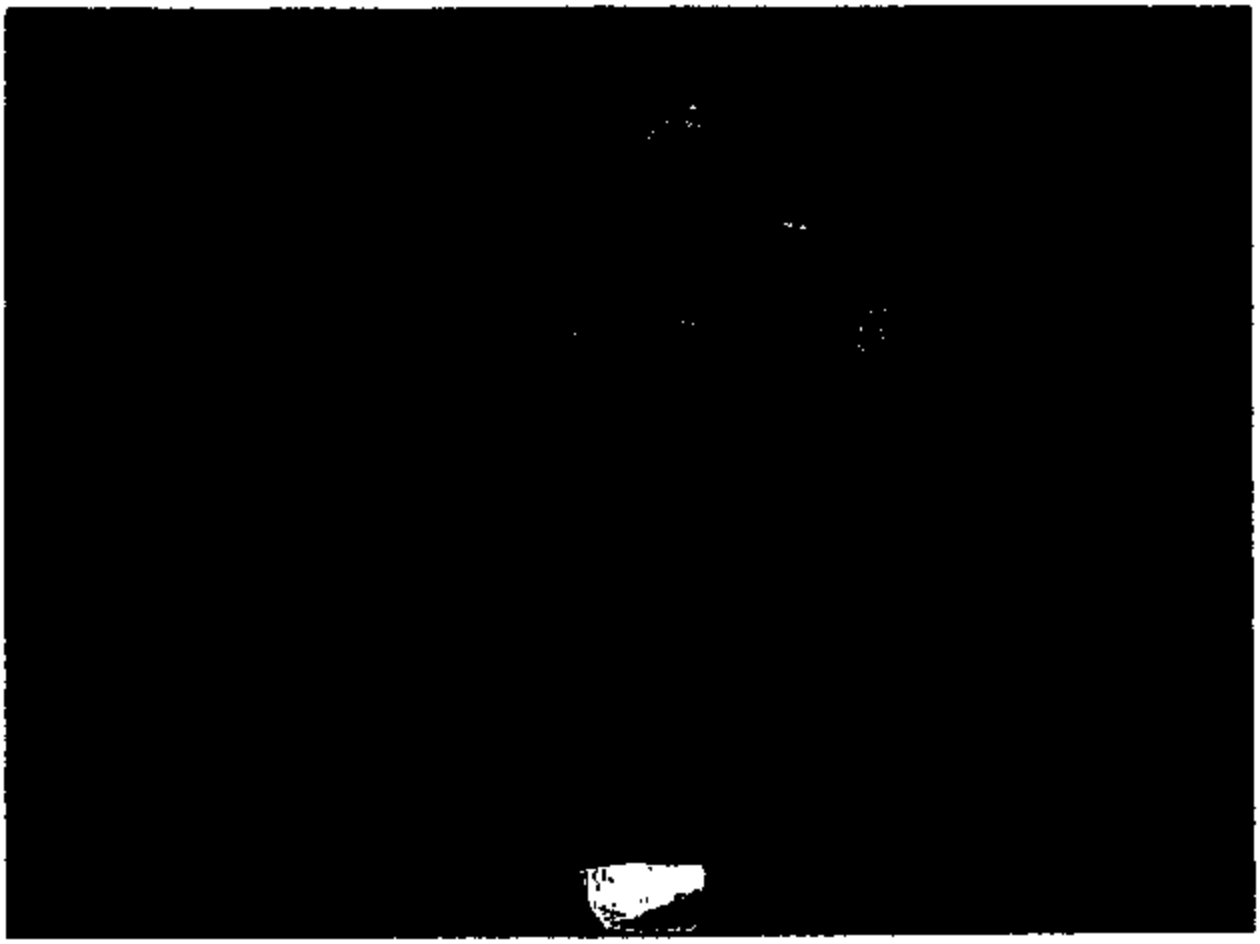


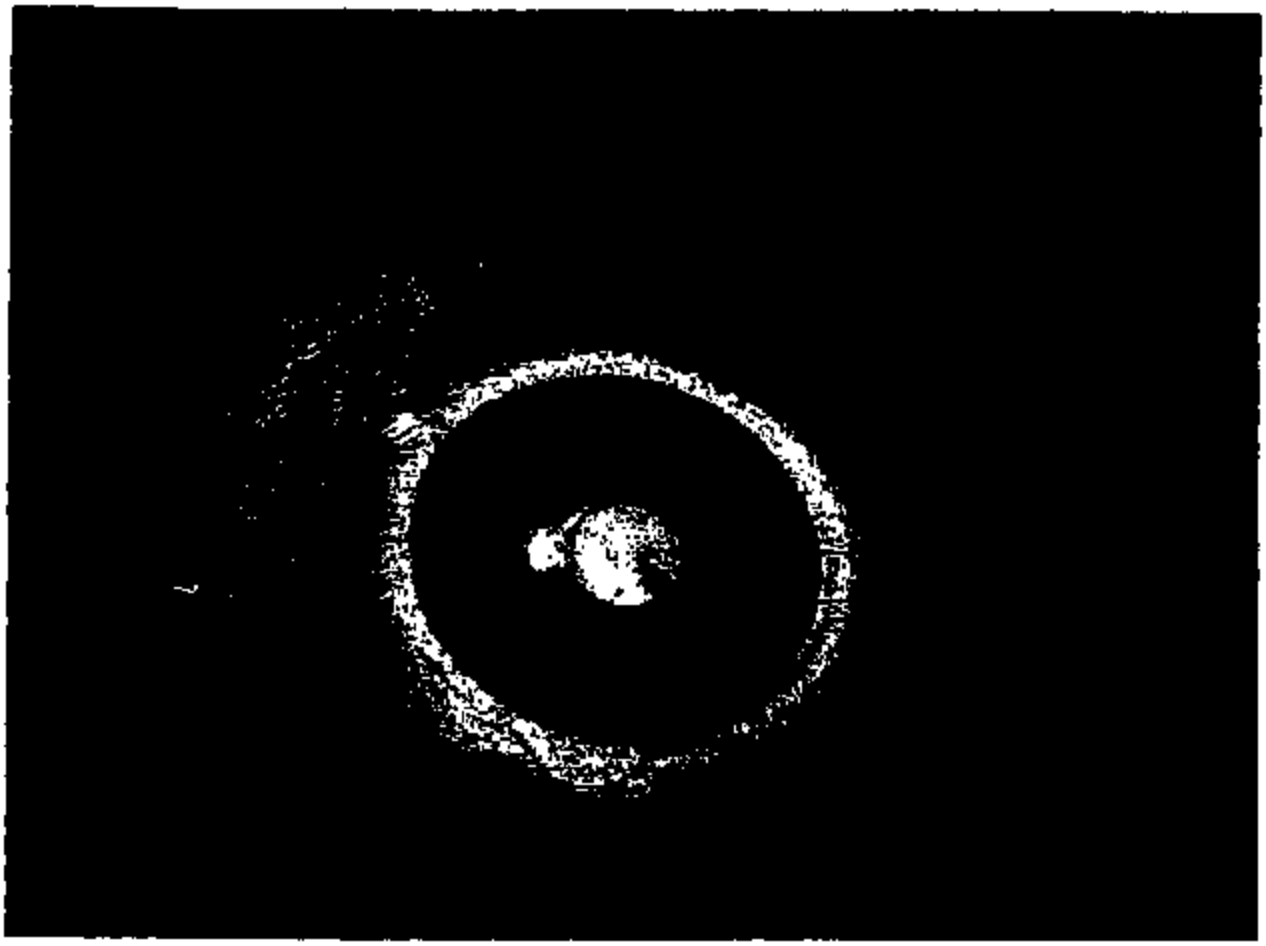












77PSL2-1 Return Analysis Sheet

Device ID: [illegible] Date: [illegible] Ford Part # AB

Operator's Name: _____ Sv Date Code: [illegible] Technician BT

1 Visual Inspection

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

2 Current draw :

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

3 Open Orimp Ring

4 Visual Inspection

Connector Leak?	No	Yes	
Component wear?	None	Light	Medium Heavy
SF leak?	No	Yes	
Environment seal condition?	Good	Bad	
If seal bad, Why?			
Corrosion?	Yes [illegible]	No	
Returns			

5 Leak Test Sensor Asm. Pass Fail

6 Open Cup Orimp.

7 Diaphragm Inspection

	Nearest Fluid			Middle			Nearest Converter		
	Fluid Teflon	#1 Kapton	Converter Teflon	Fluid Teflon	#2 Kapton	Converter Teflon	Fluid Teflon	#2 Kapton	Converter Teflon
Teflon erosion	N		N	N		N	N		N
Teflon cracks	N		N	N		N	N		N
Teflon deformation	N		N	N		N	N		N
Kapton cracks		N			N			N	
Scrub action		N			N			N	
Wear particle/discoloration	N	N	N	N	N	N	N	N	N

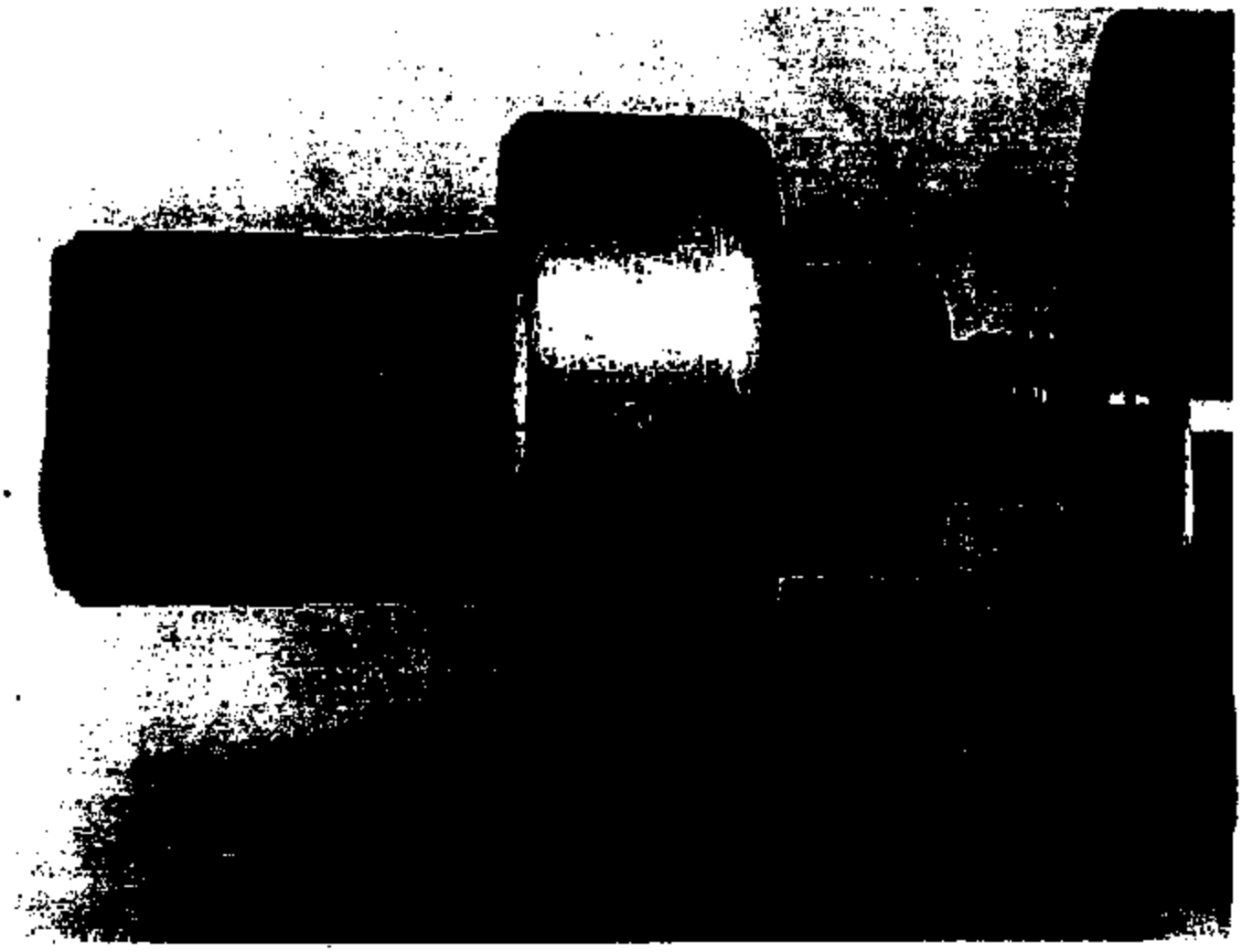
8 Gasket Inspection

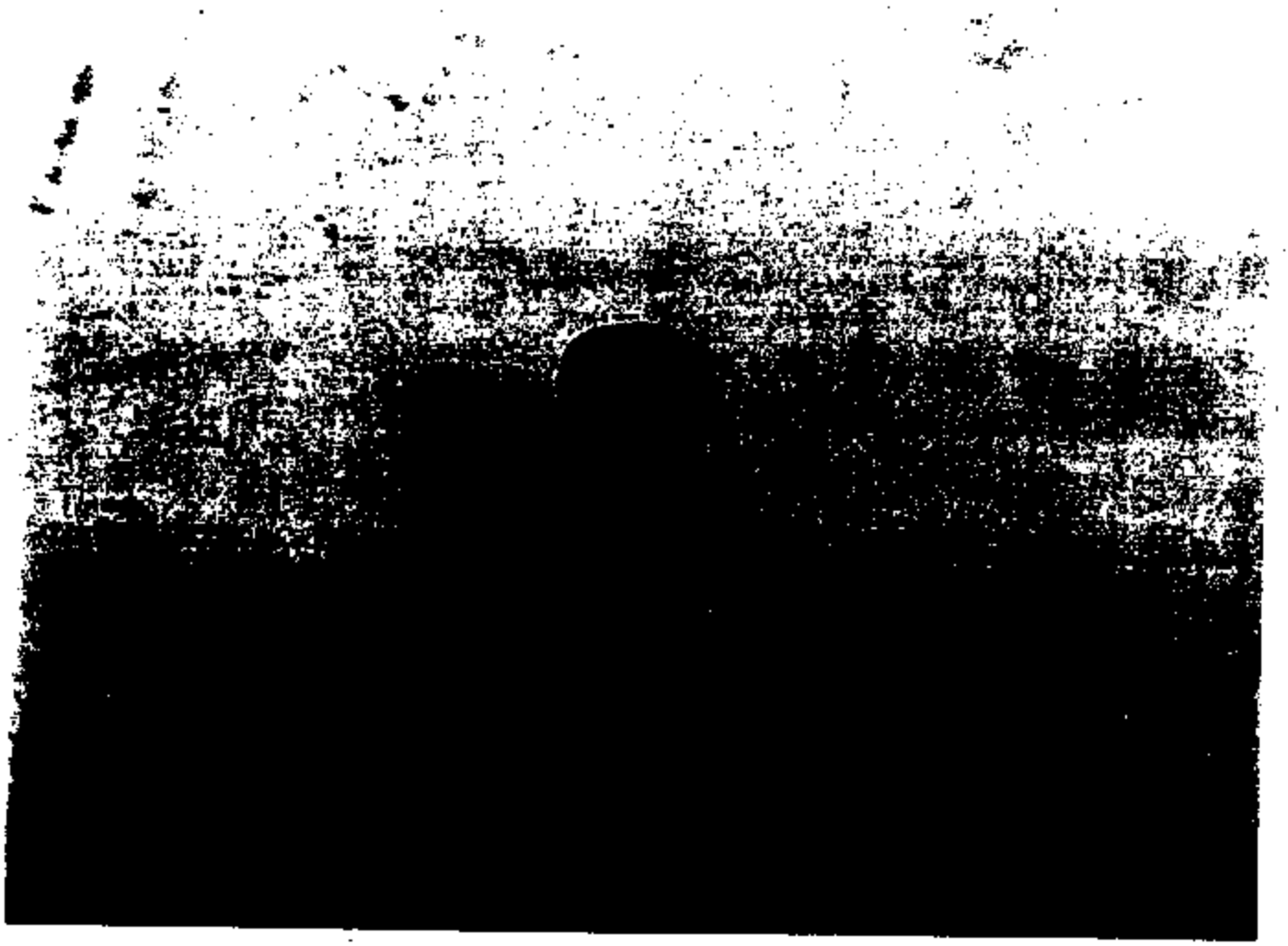
Present	Yes	No
Nibbles/missing material		
Gasket thickness	[illegible] inches	
	[illegible] inches	
	[illegible] inches	

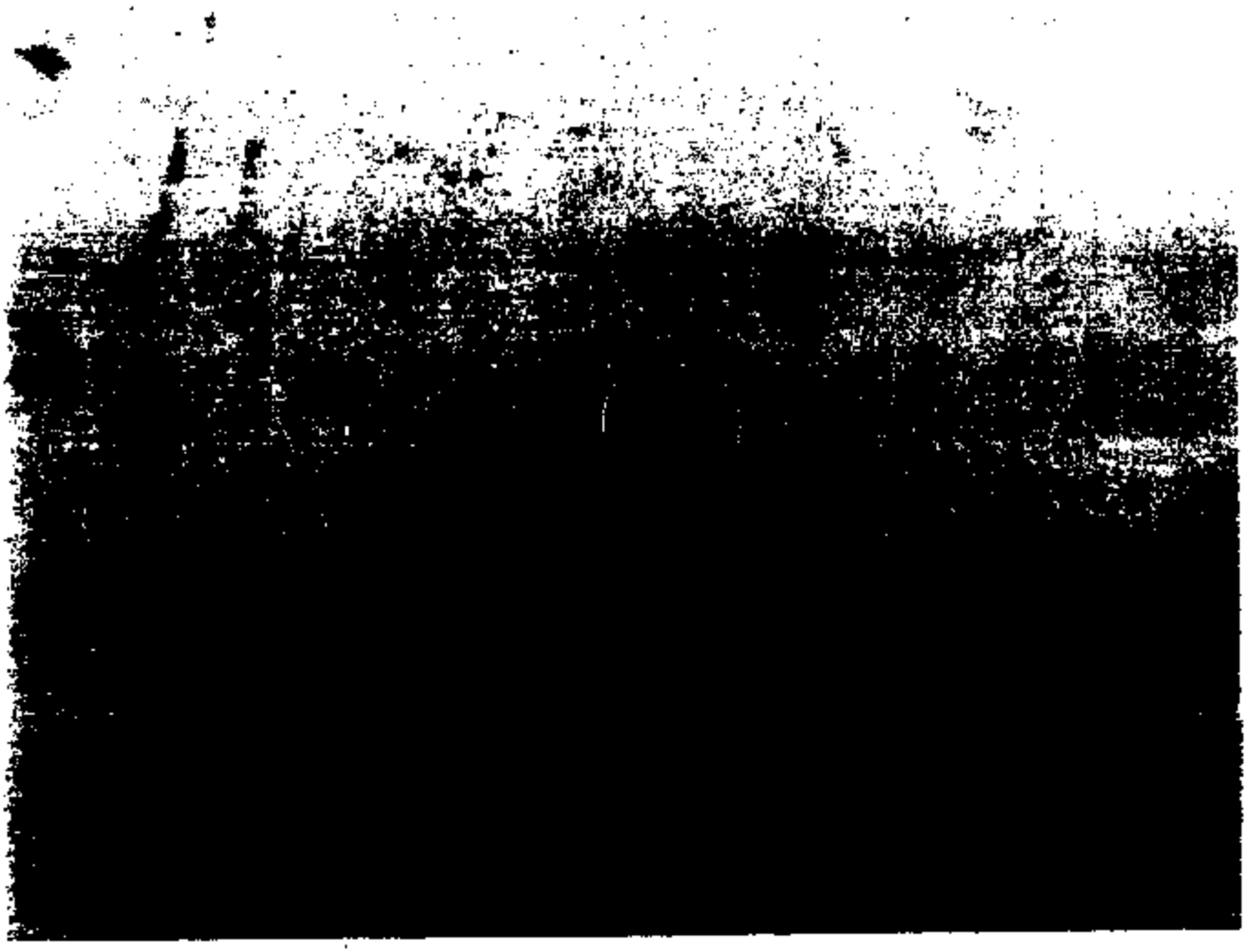
9 Package and Store

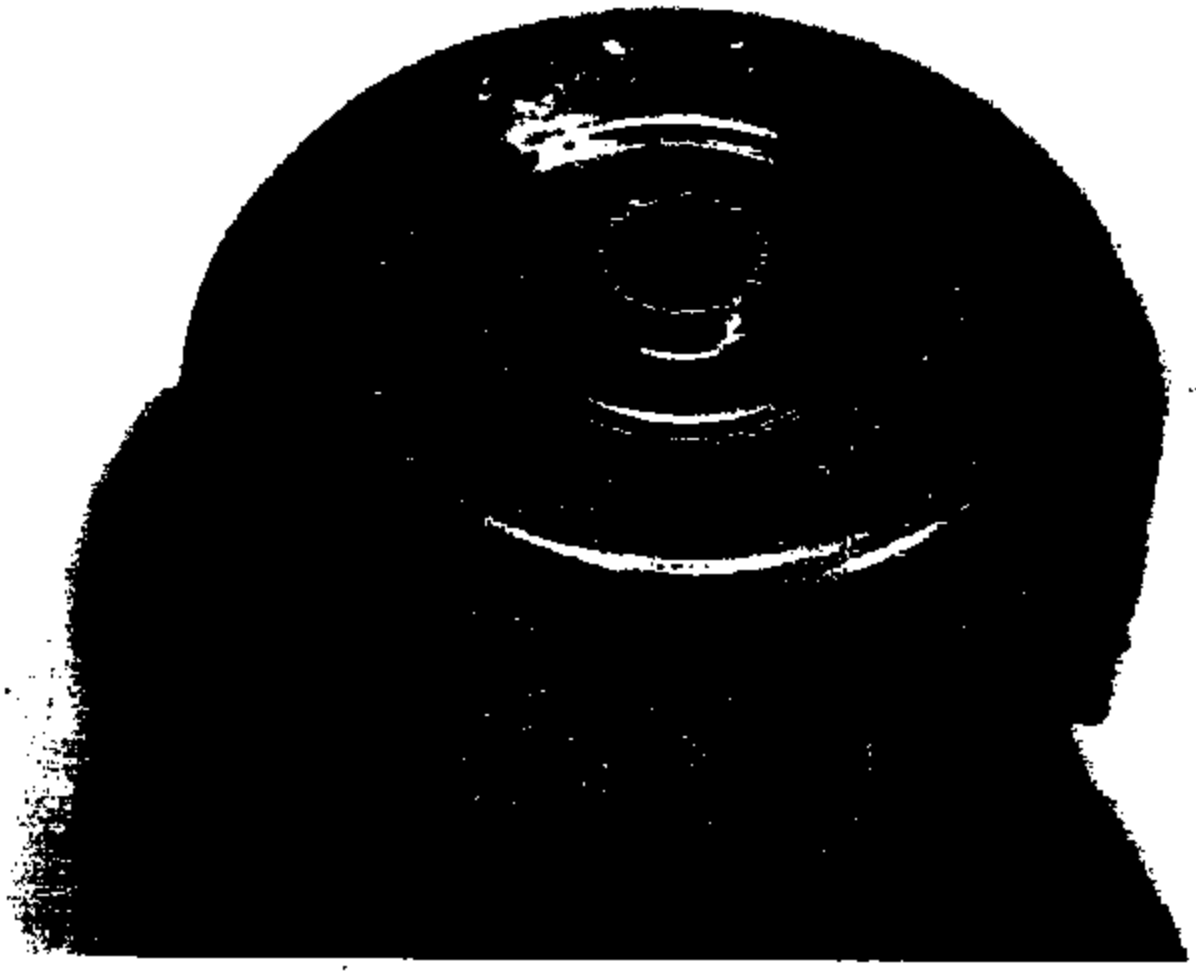
10 Analysis Summary: NTF Issue Discovered

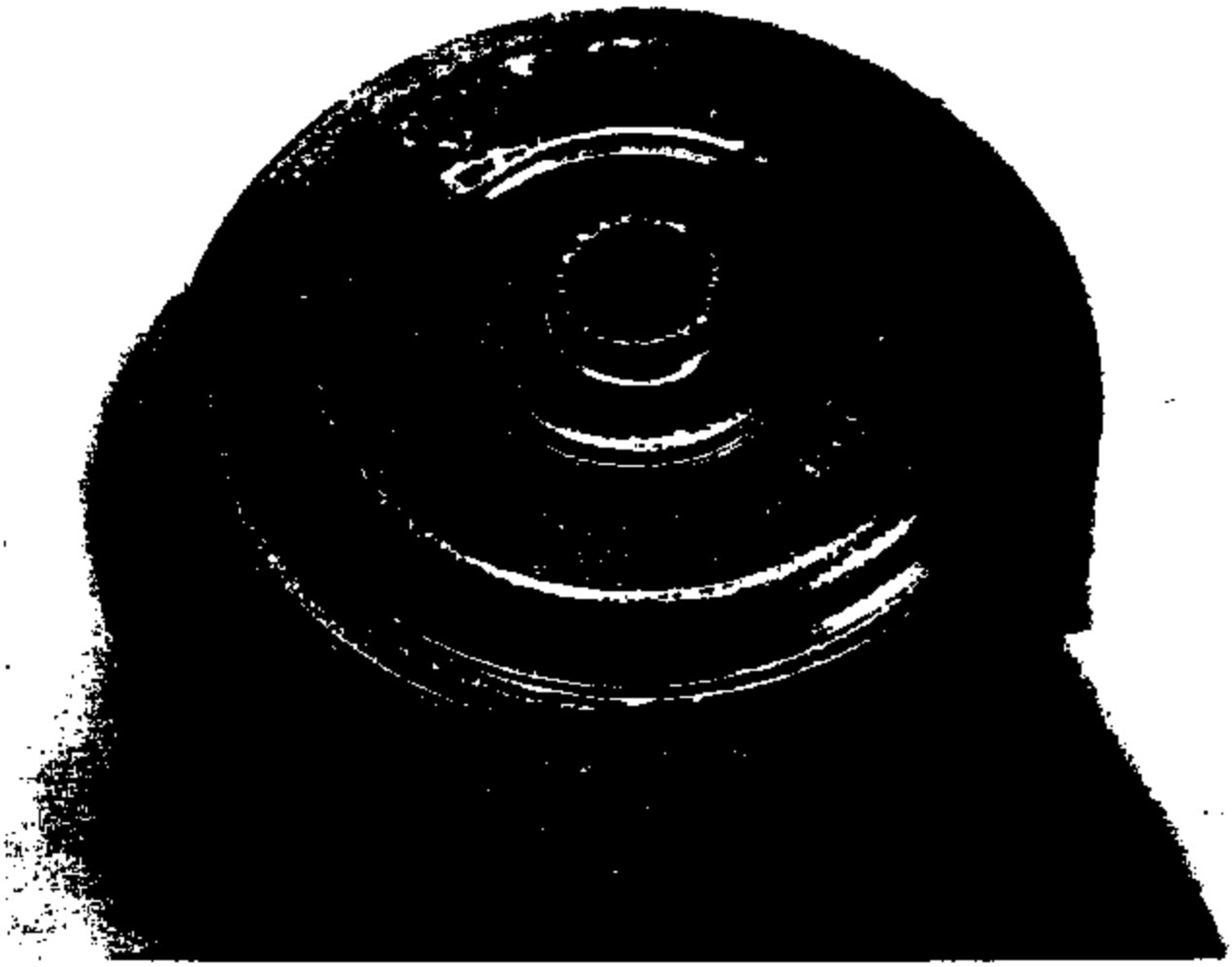
Excessive corrosion outside envelope

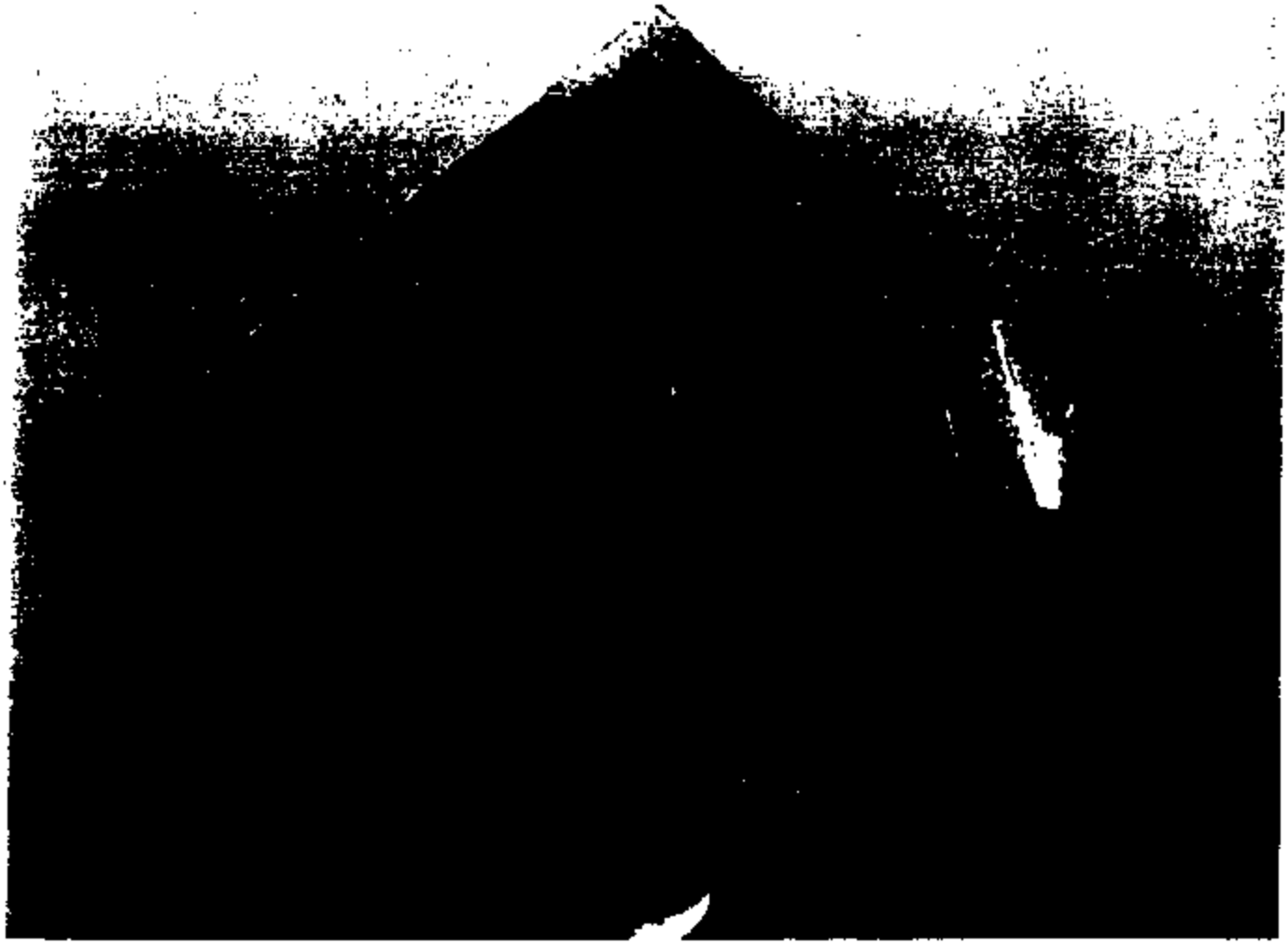












Inside

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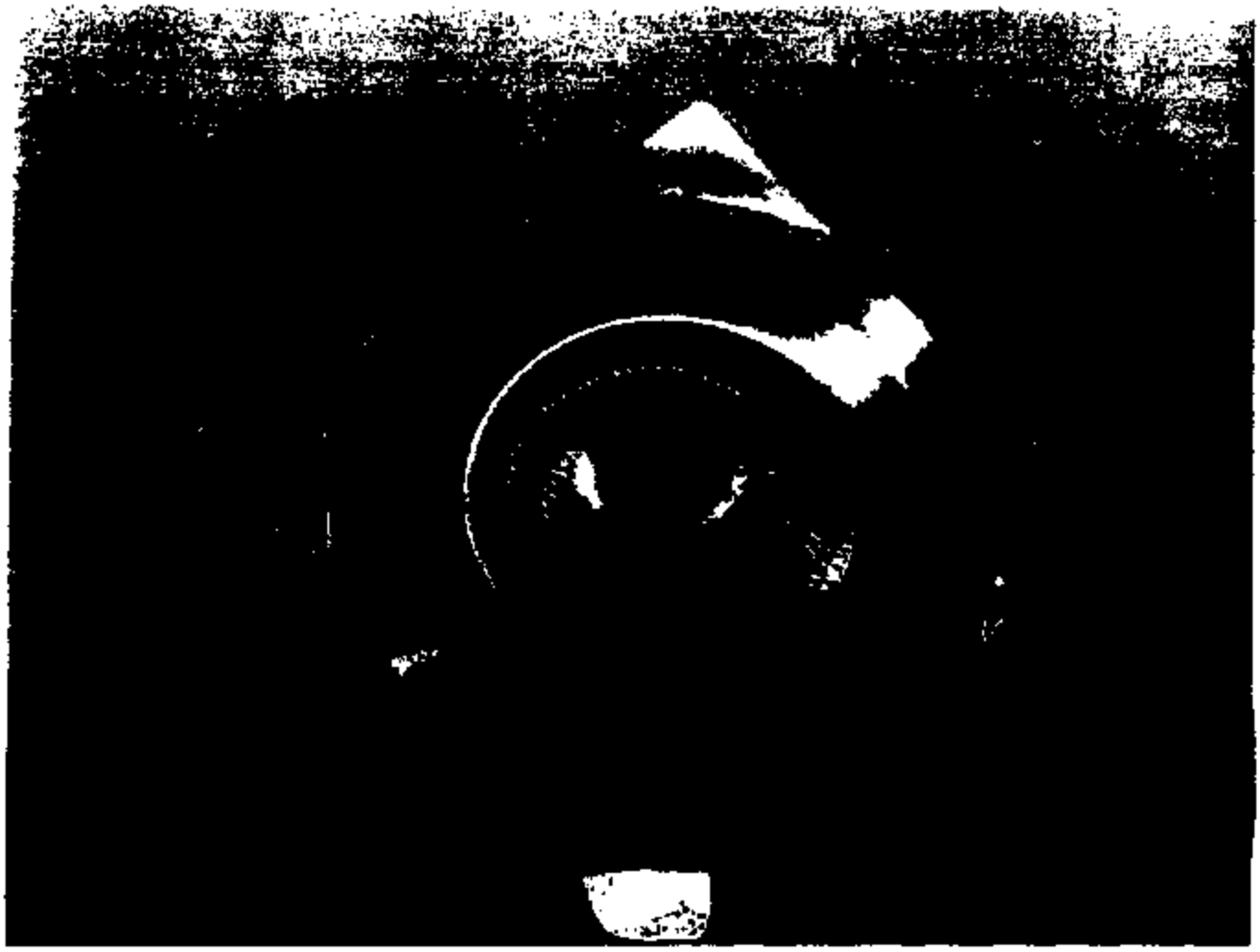

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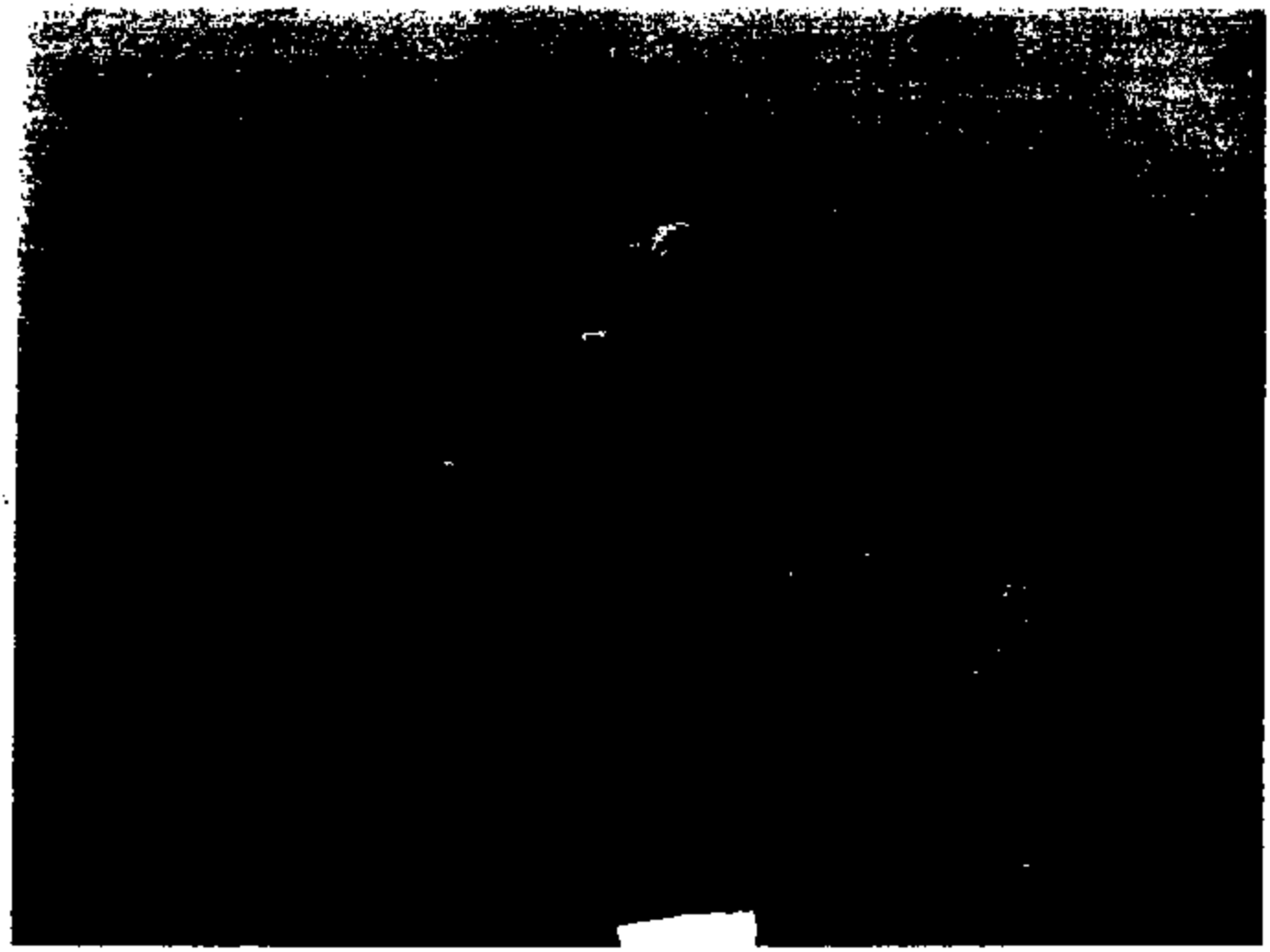
Inside 2

3 of 101



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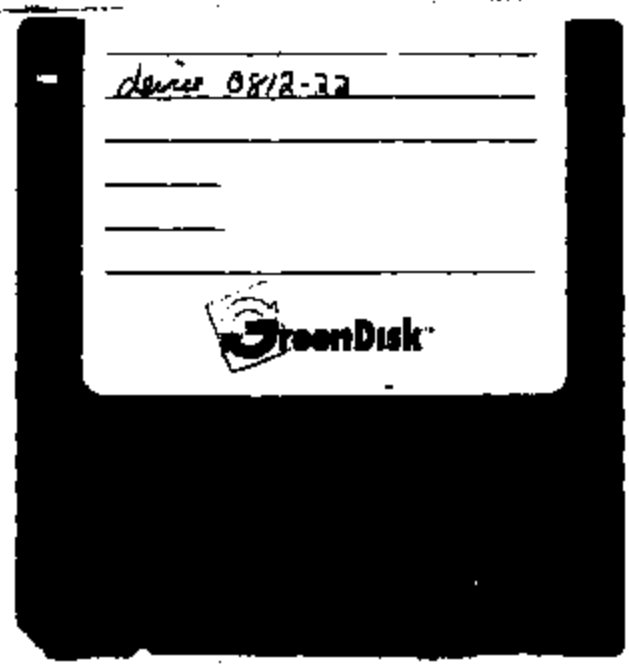
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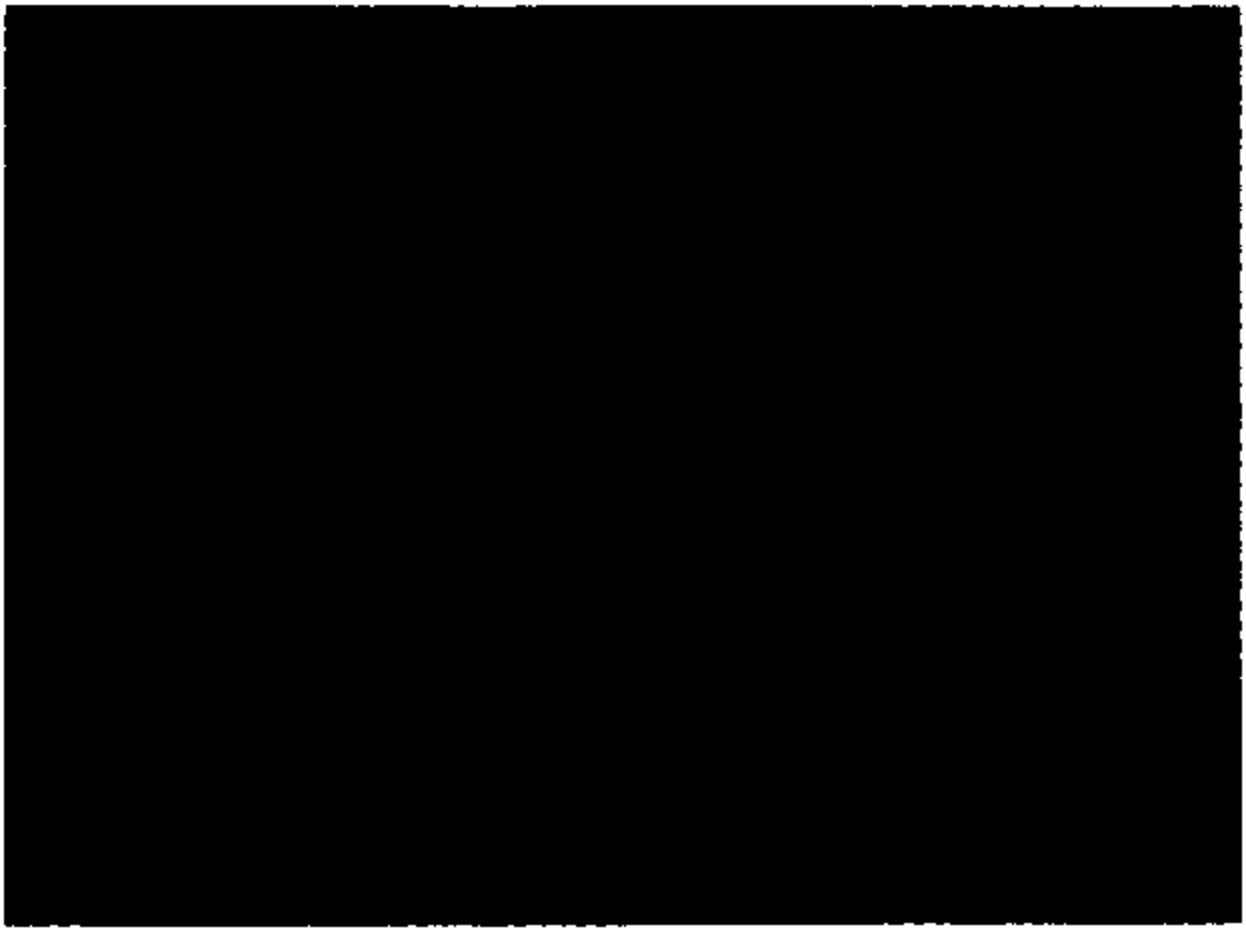
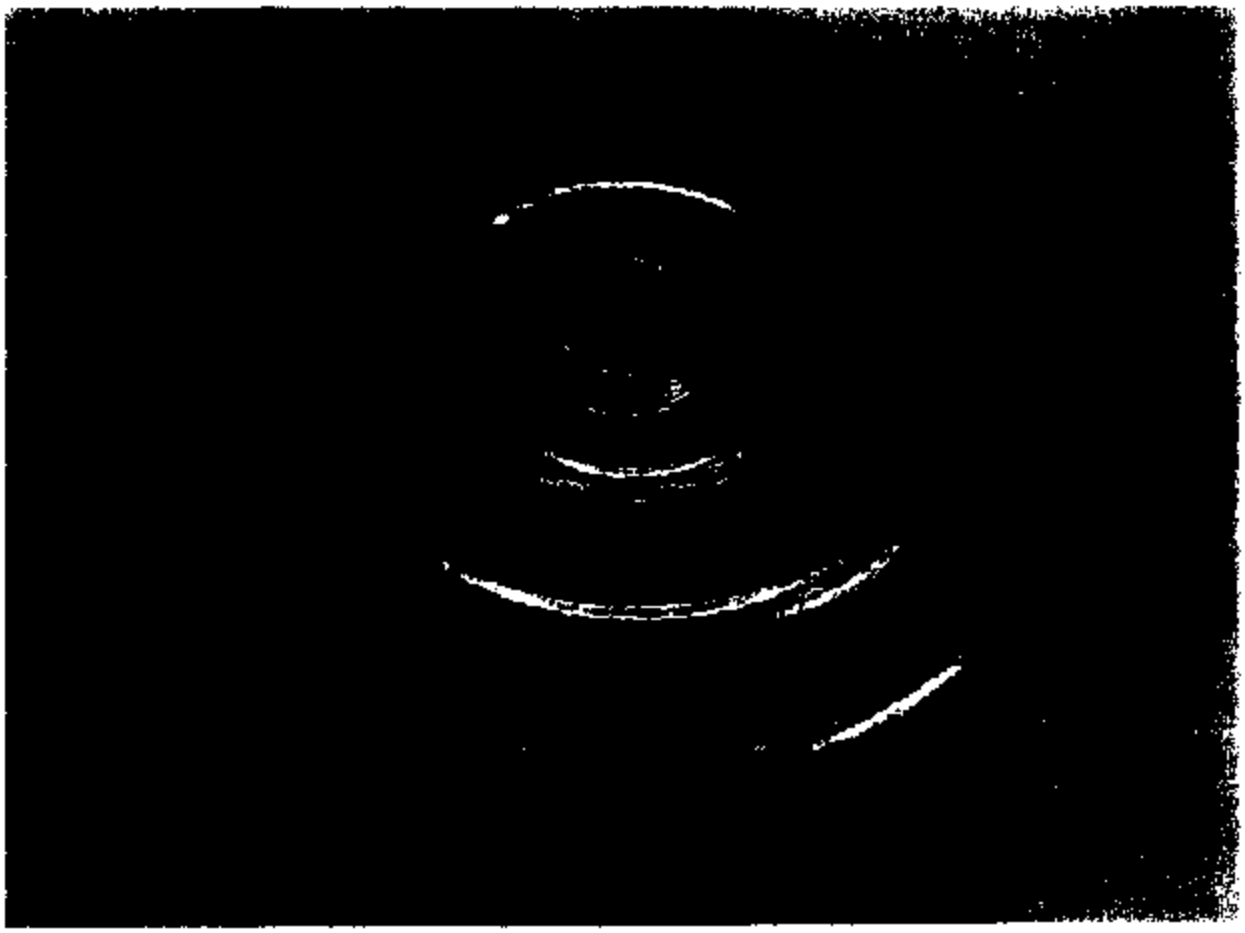
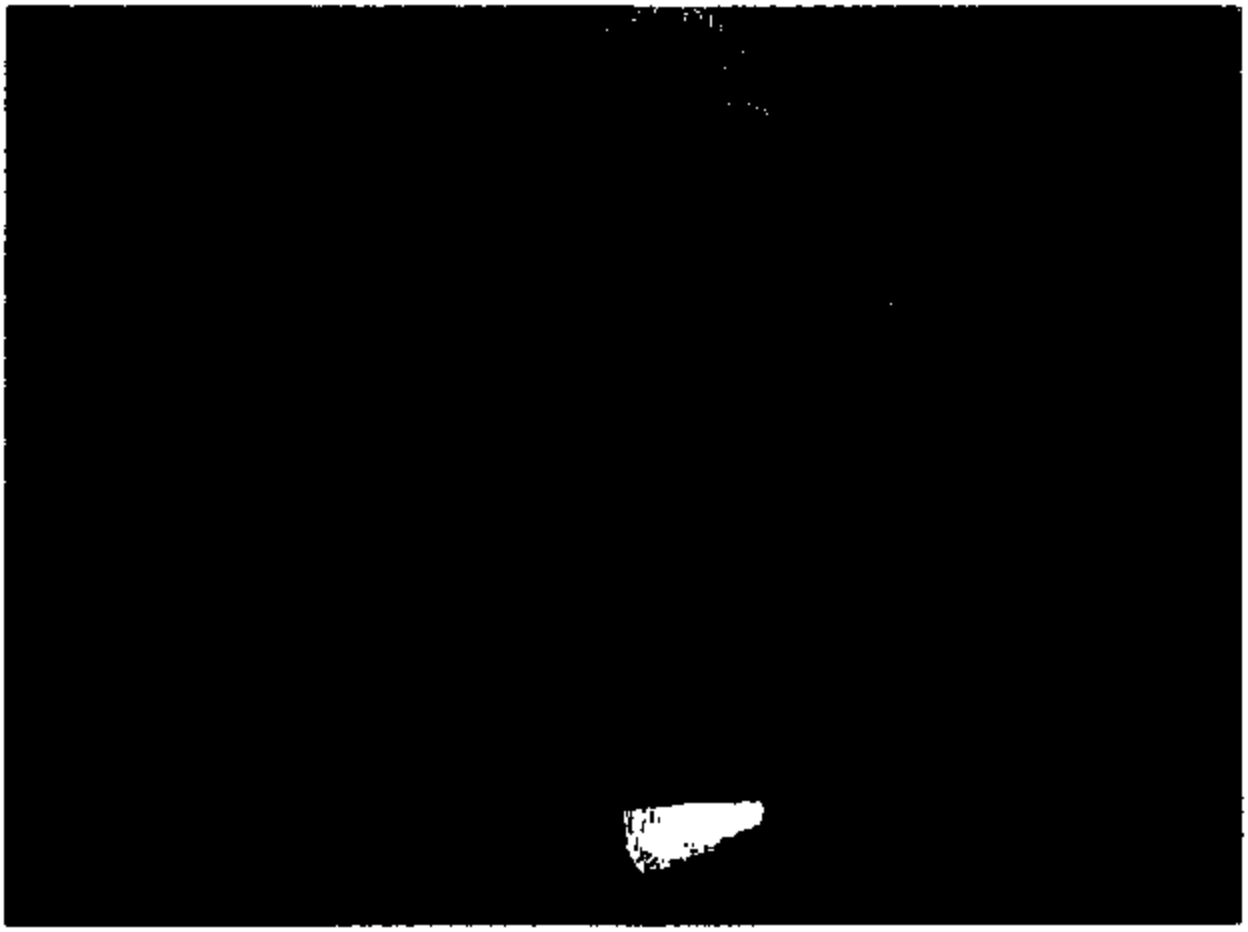
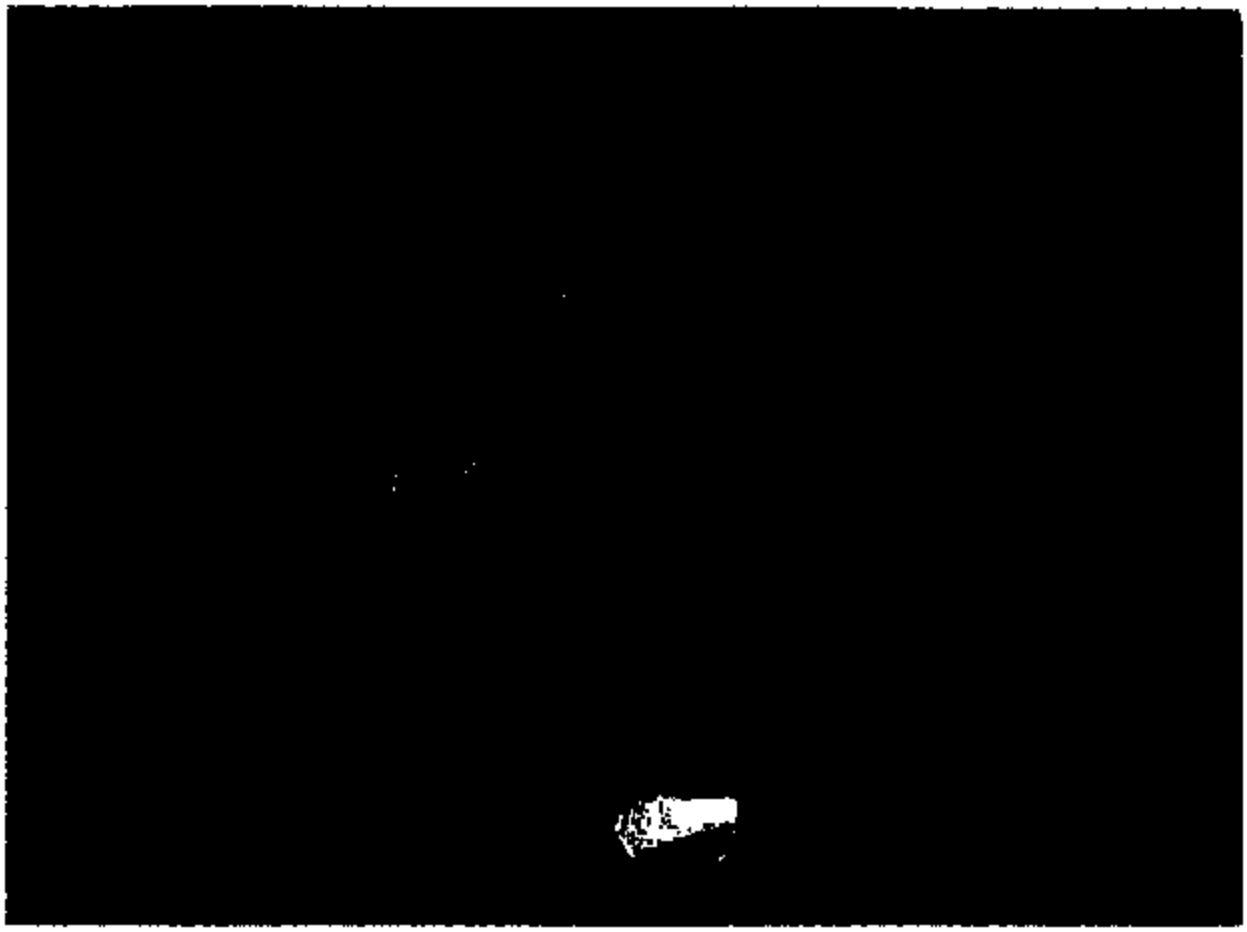








77PS1.2-1 Return Analysis Sheet

Device ID: _____ Date: _____ Ford Part # AB

Operator's Name: _____ 6w Date Code: _____ Technician _____

1 Visual Inspection

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

2 Current draw :

Terminal to Terminal?	0.3 Ohms	
Terminal to Heatsink?	^ 1/2 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 Asm. Pass Fail

6 Open Cap Crimp.

7 Diaphragm Inspection

	Nearest Fluid			Middle			Nearest Connector		
	Fluid	#1	Connector	Fluid	#8	Connector	Fluid	#9	Connector
	Teflon	Kapton	Teflon	Teflon	Kapton	Teflon	Teflon	Kapton	Teflon
Teflon stretch	✓		✓	✓		✓	✓		✓
Teflon cracks	✓		✓	✓		✓	✓		✓
Teflon delamination	✓		✓	✓		✓	✓		✓
Kapton cracks		✓			✓			✓	
Stain pattern	✓	✓	✓	✓	✓		✓	✓	✓
Wear particles/discoloration	✓	✓	✓	✓	✓	✓	✓	✓	✓

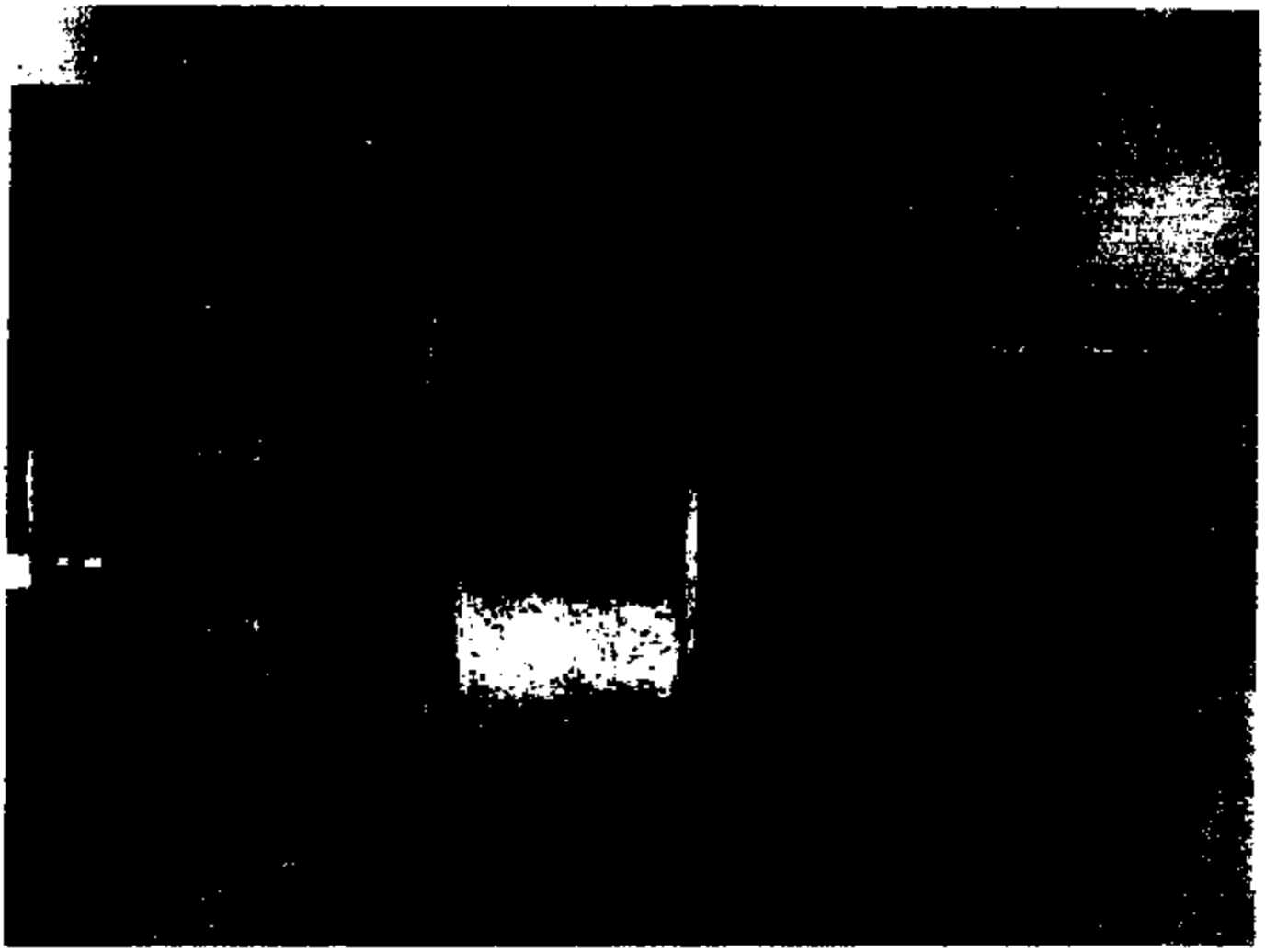
8 Gasket Inspection

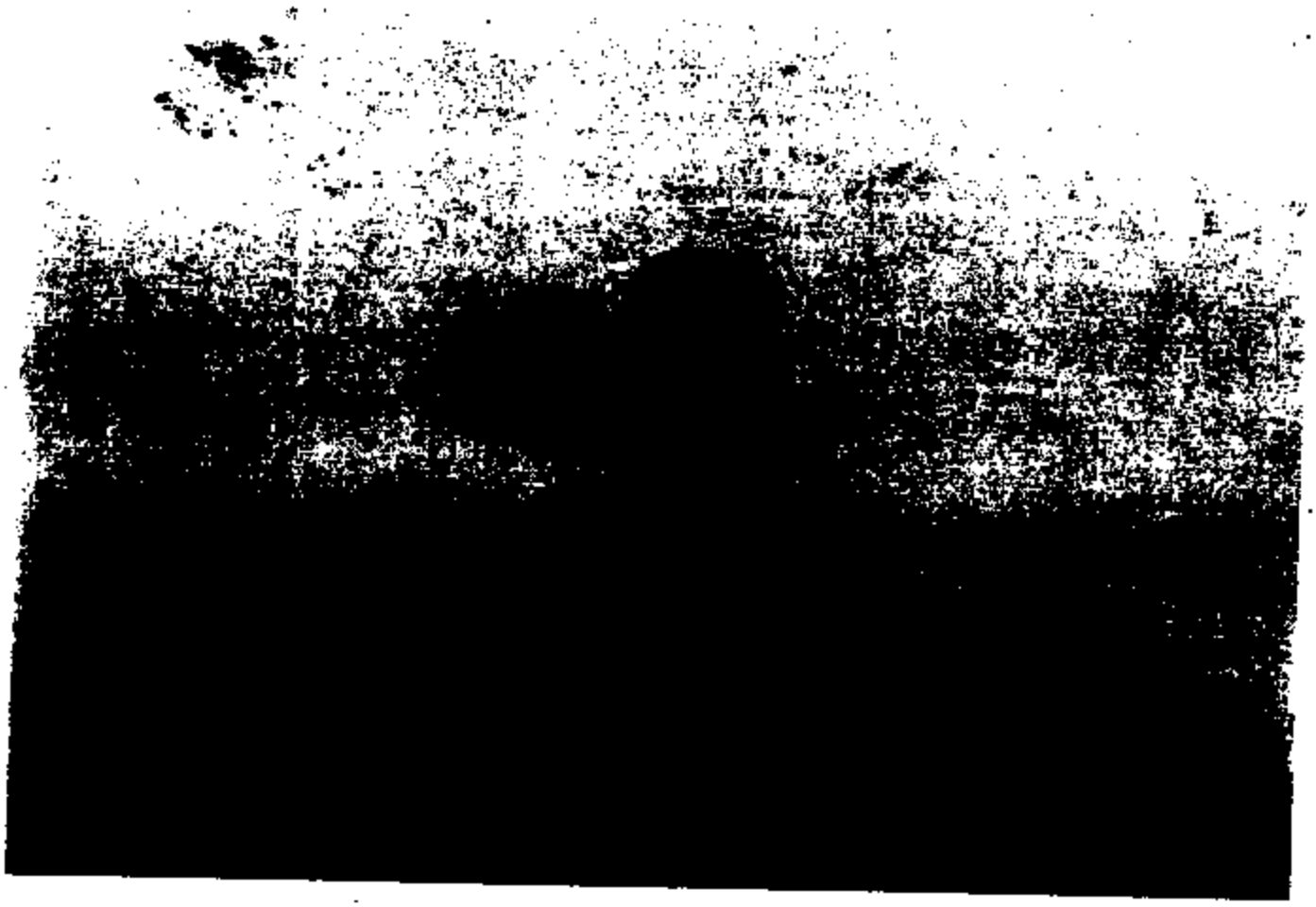
Present	Yes	No
Nitrile/missing material	Yes	No
Gasket thickness	0.021 inches	
	0.0175 inches	
	0.021 inches	

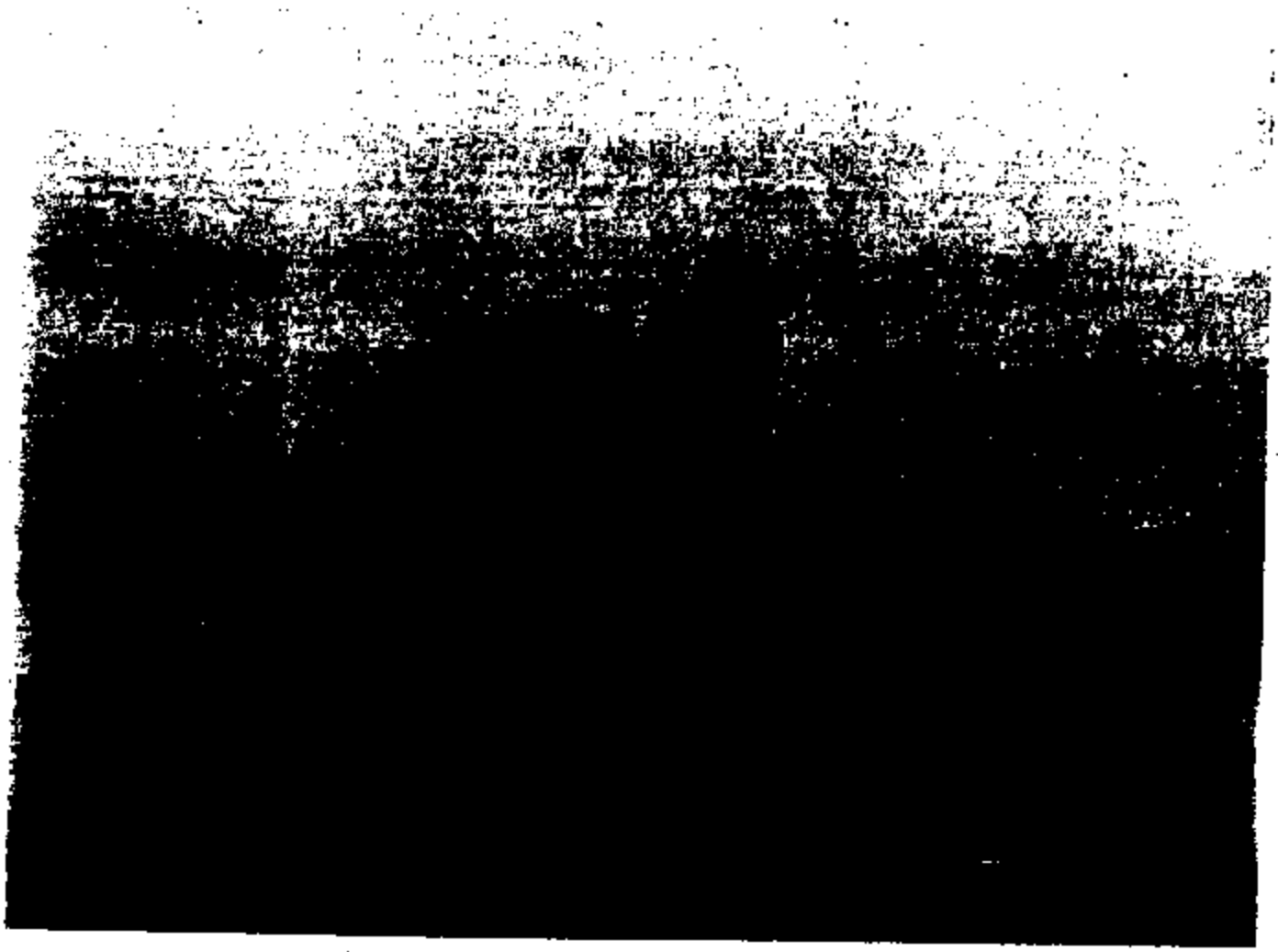
9 Package and Store

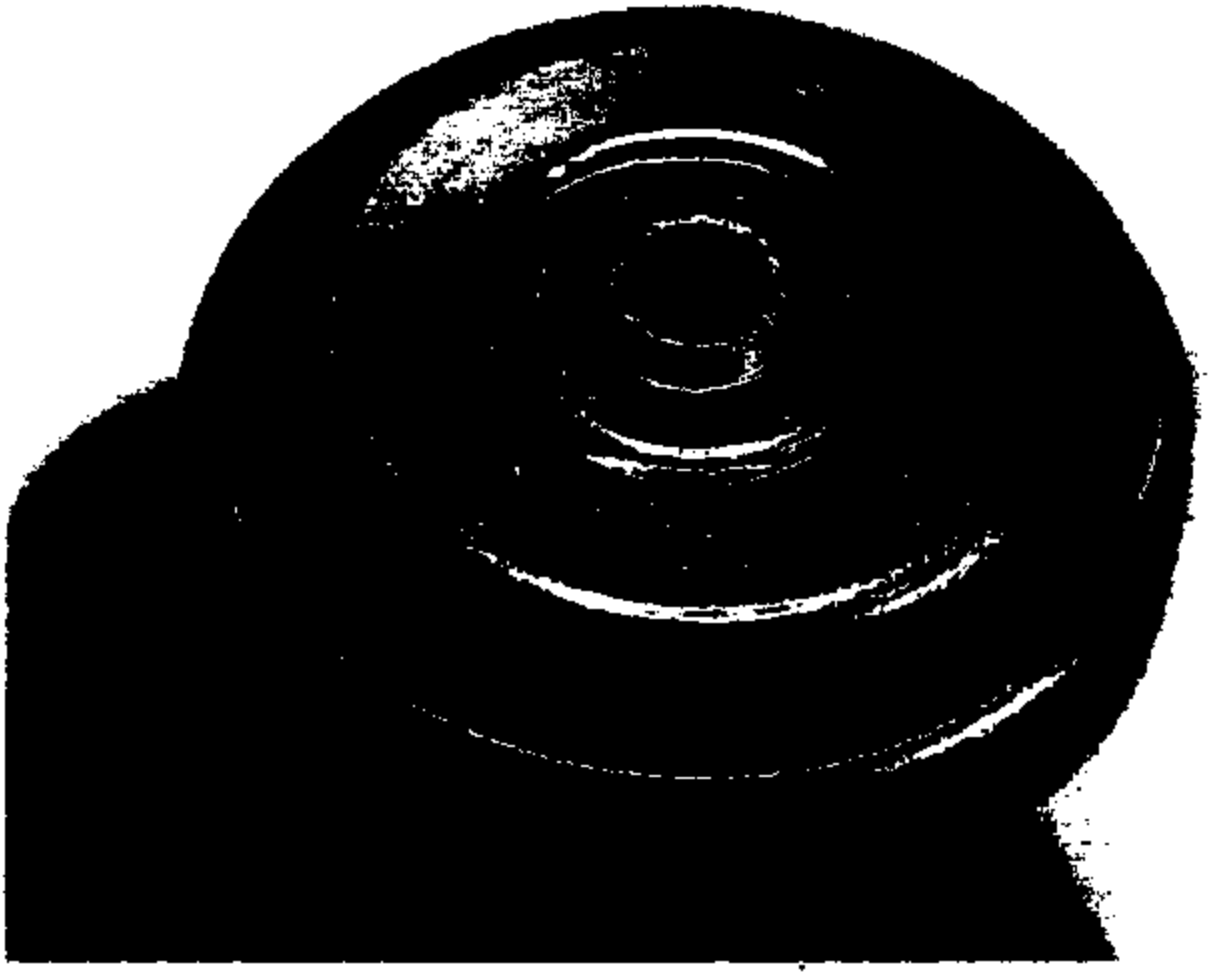
10 Analysis Summary: NTF Issue Discovered

TI-NHTSA 9096



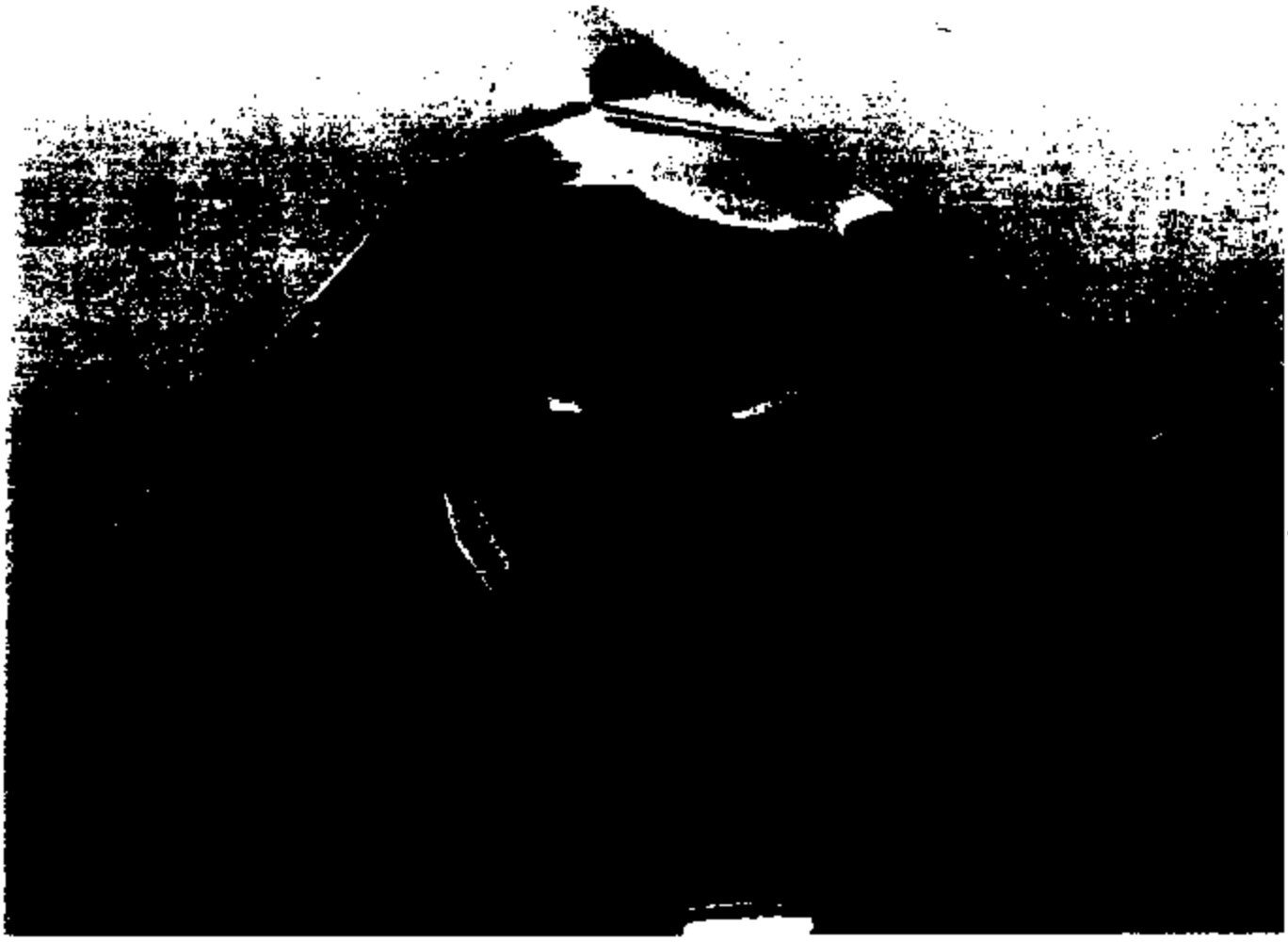






(side)

/ Exhibit 2



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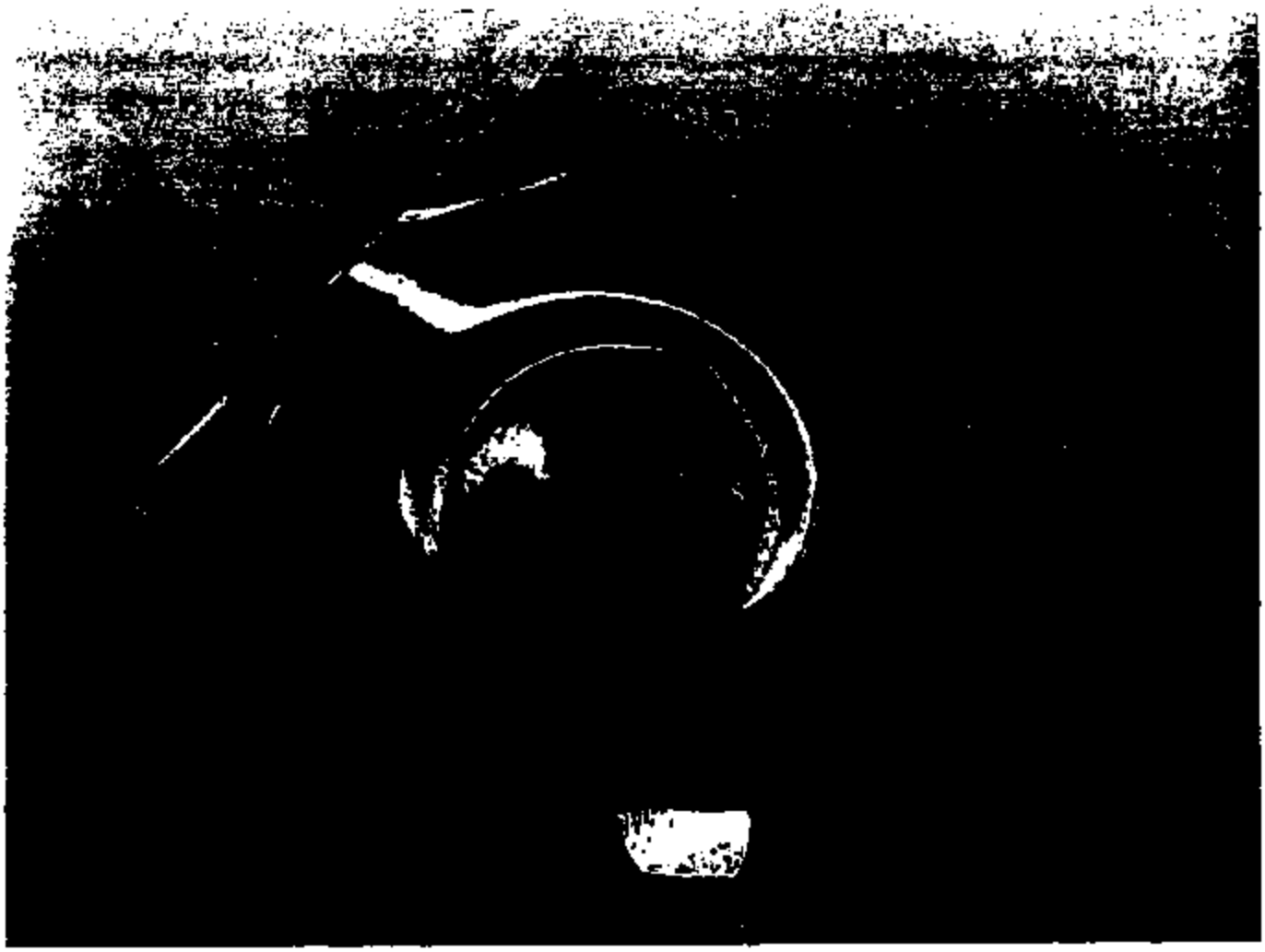

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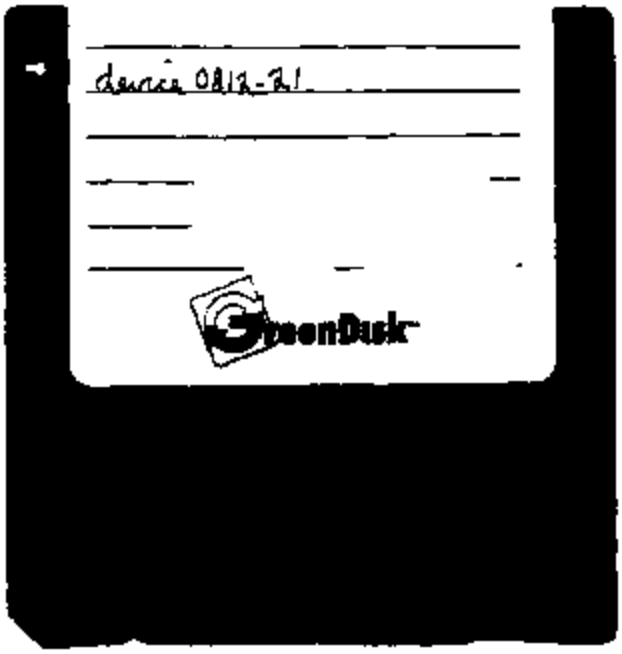
Brake2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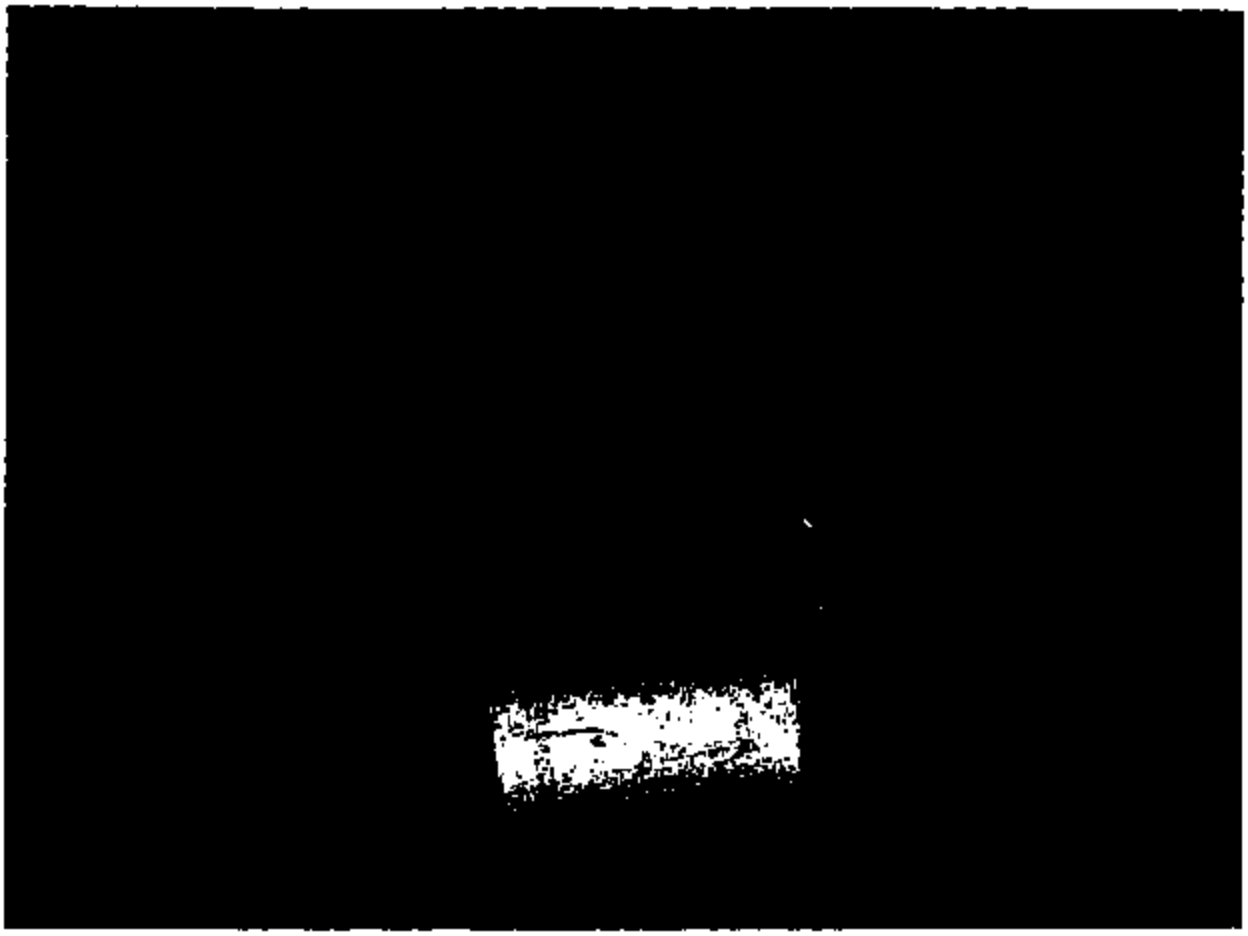
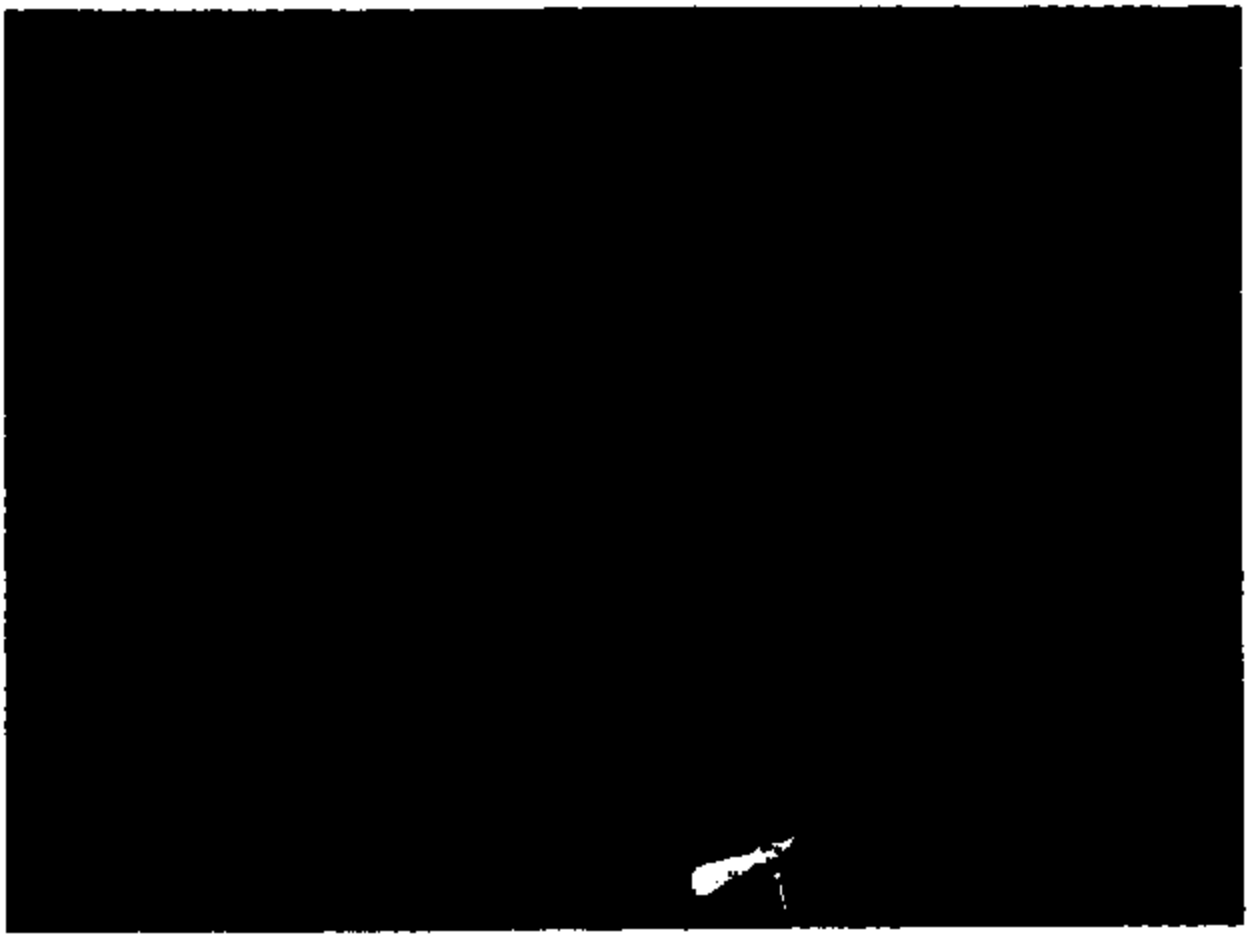
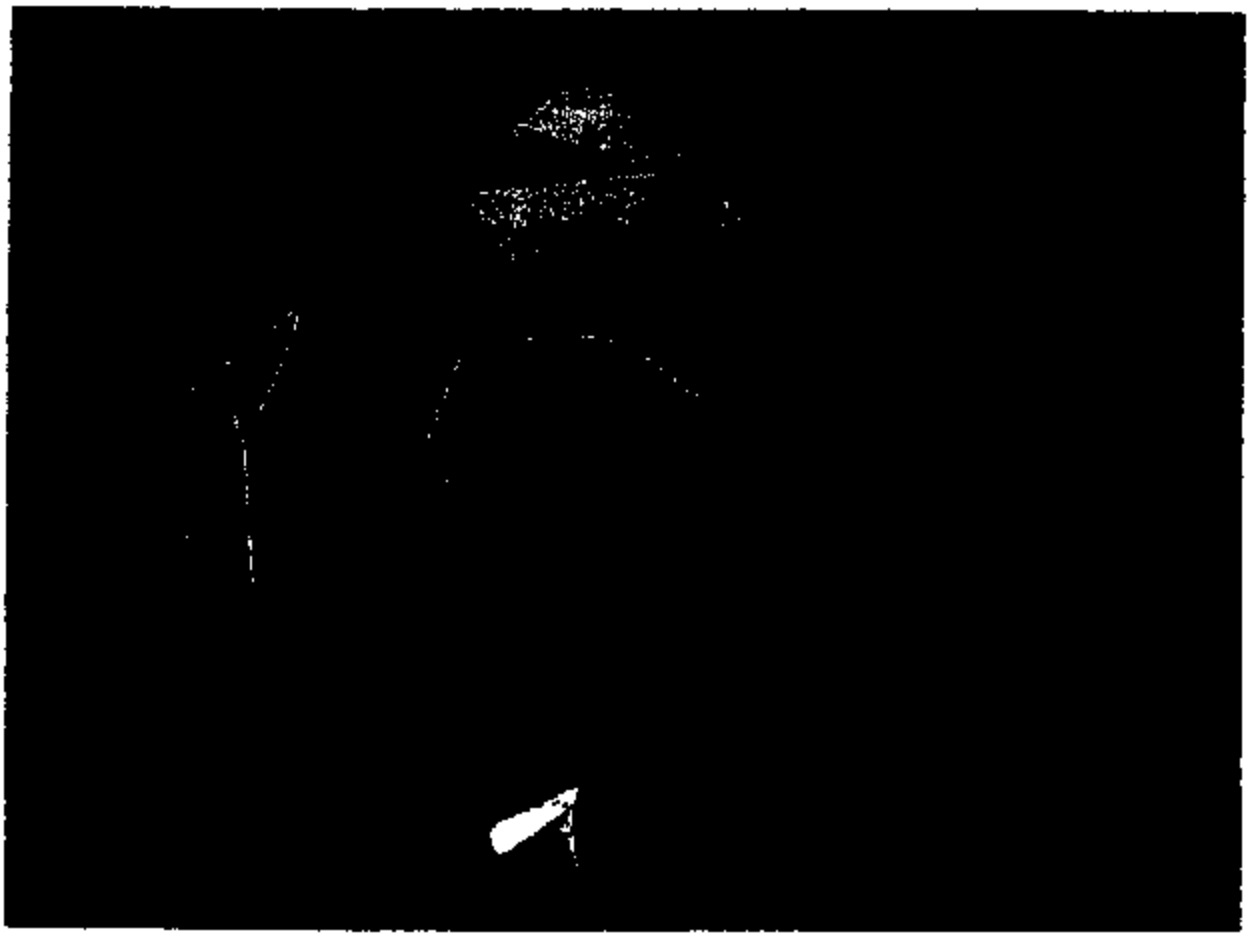






77PSI-2-1 Return Analysis Sheet

Device ID: _____ Date: _____ Ford Part # AB

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

1 Visual Inspection

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

2 Current draw :

Terminal to Terminal?	0.2 Ohms	
Terminal to Hexport?	0.01 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
SF leak?	No	Yes		
Environment seal condition?	Good	Bad		
If seal bad, Why?				
Corrosion?	Yes	No		
Pictured				

5 Leak Test Sensor Asm. Pass Fail

6 Open Cup Crimp.

7- Diaphragm Inspection

	Neutral Fluid			Middle			Neutral Converter		
	Fluid	#1	Converter	Fluid	#2	Converter	Fluid	#3	Converter
	Teflon	Kapton	Teflon	Teflon	Kapton	Teflon	Teflon	Kapton	Teflon
Teflon wrinkle	~		~	~		~	~		~
Teflon cracks	~		~	~		~	~		~
Teflon delamination	~		~	~		~	~		~
Kapton cracks		~			~			~	
Strain pattern	2	2	2	2	2	2	1		2
Wear particals/discoloration	~	~	~	~	~	~	~	~	~

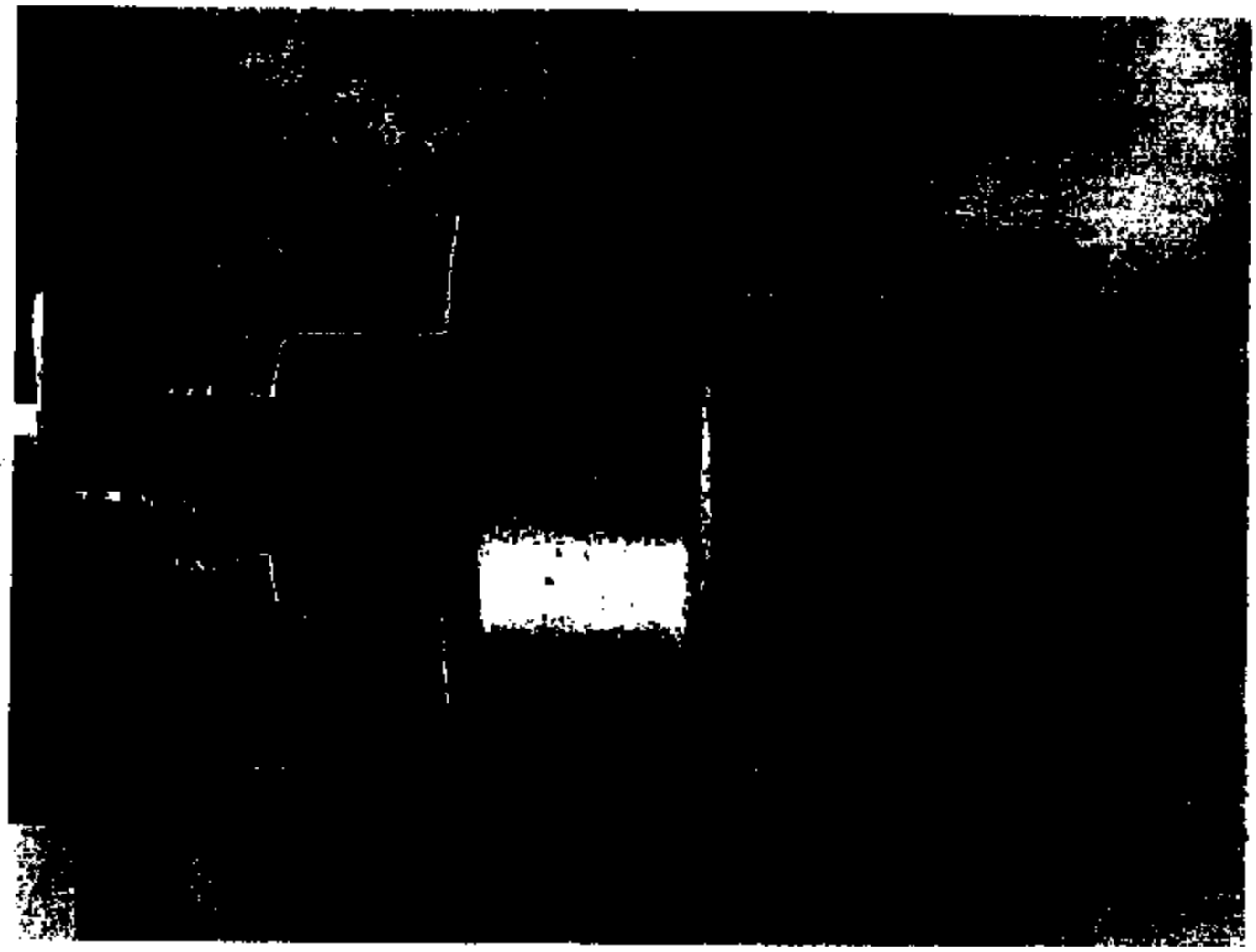
8 Gasket Inspection

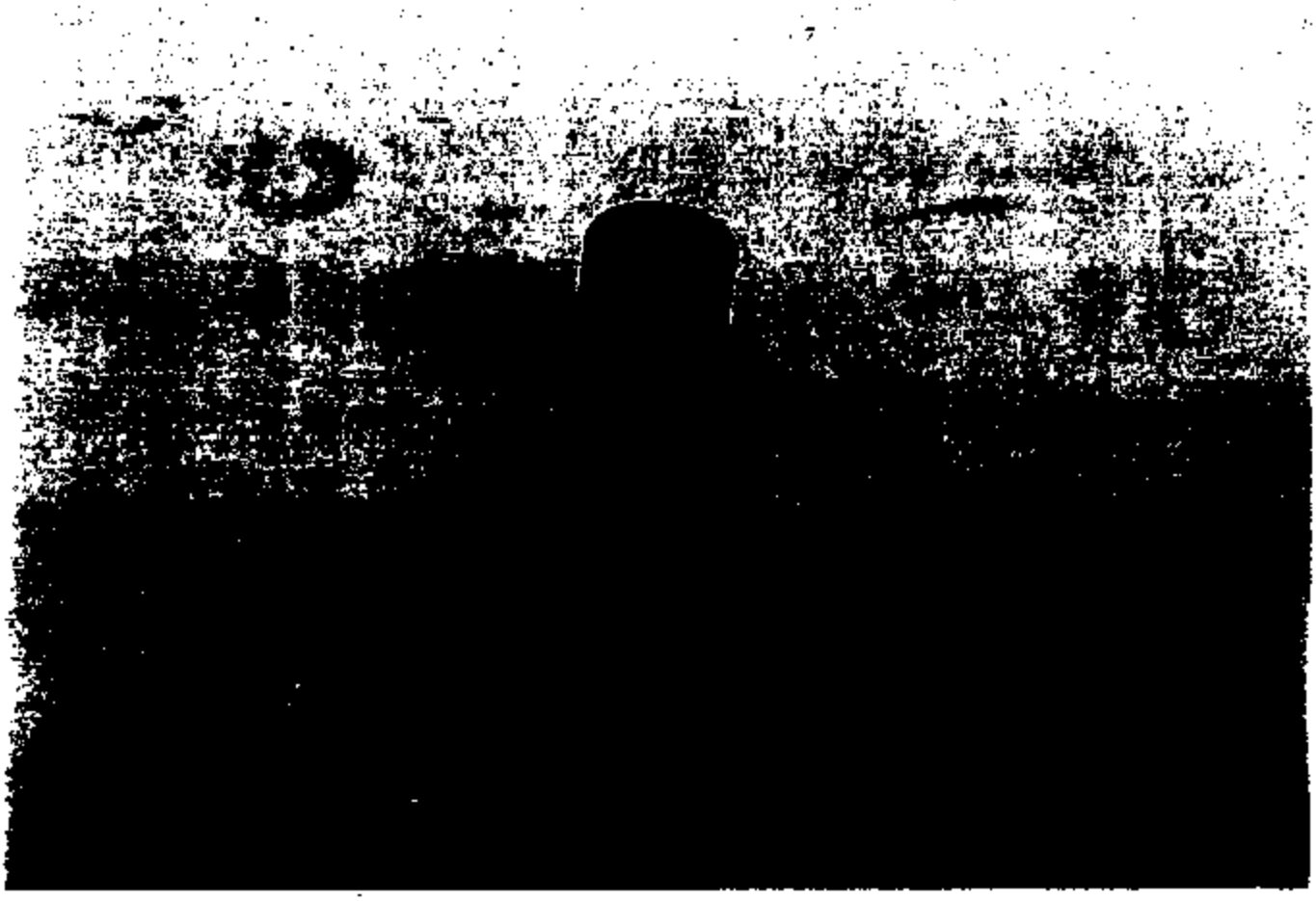
Present	Yes	No
Nibbled/missing material	Yes	No
Gasket thickness	0.02998 inches	
	0.03005 inches	
	0.02998 inches	

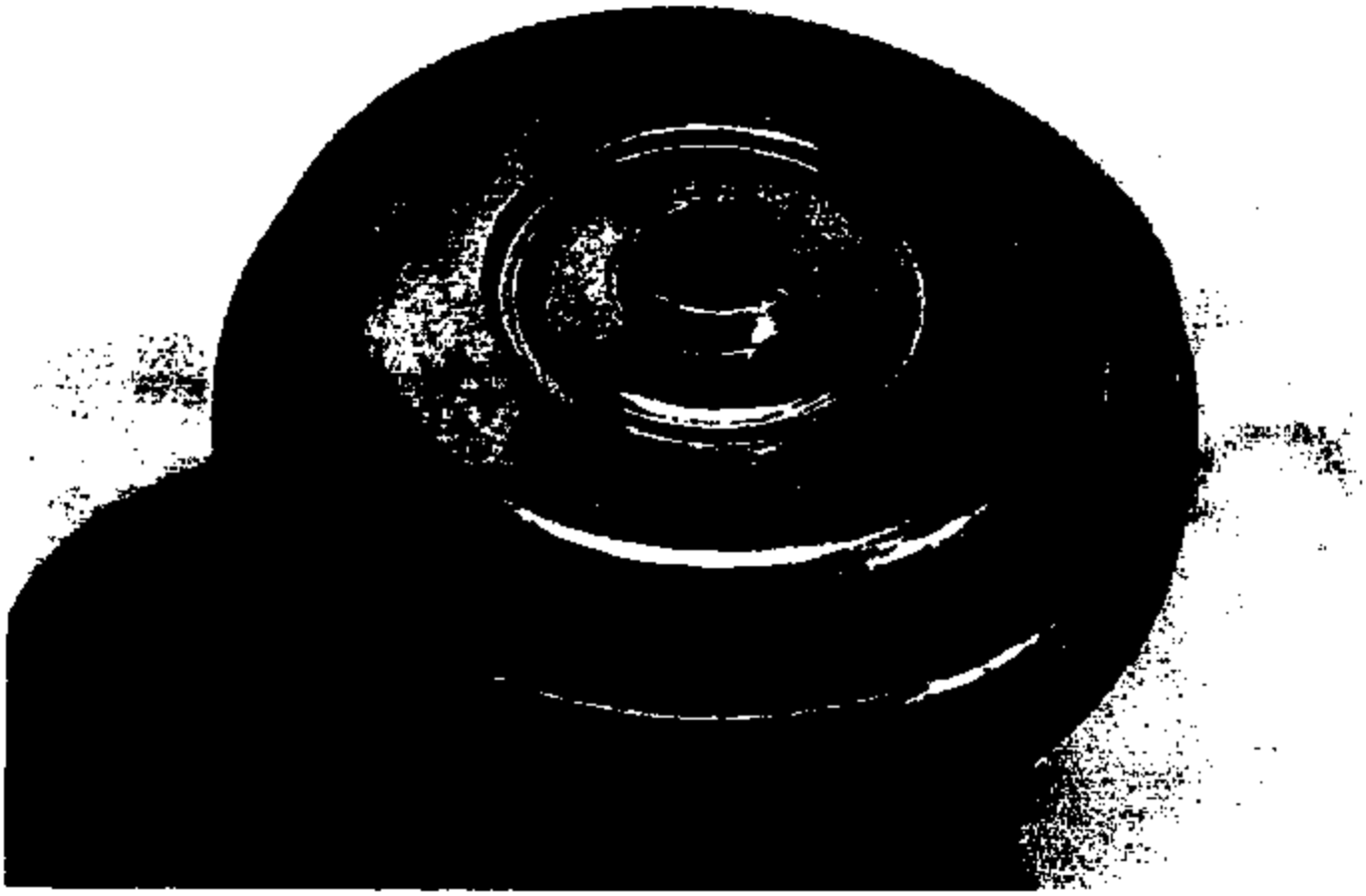
9 Package and Store

10 Analysis Summary: NTF Issue Discovered

TI-NHTSA 9122







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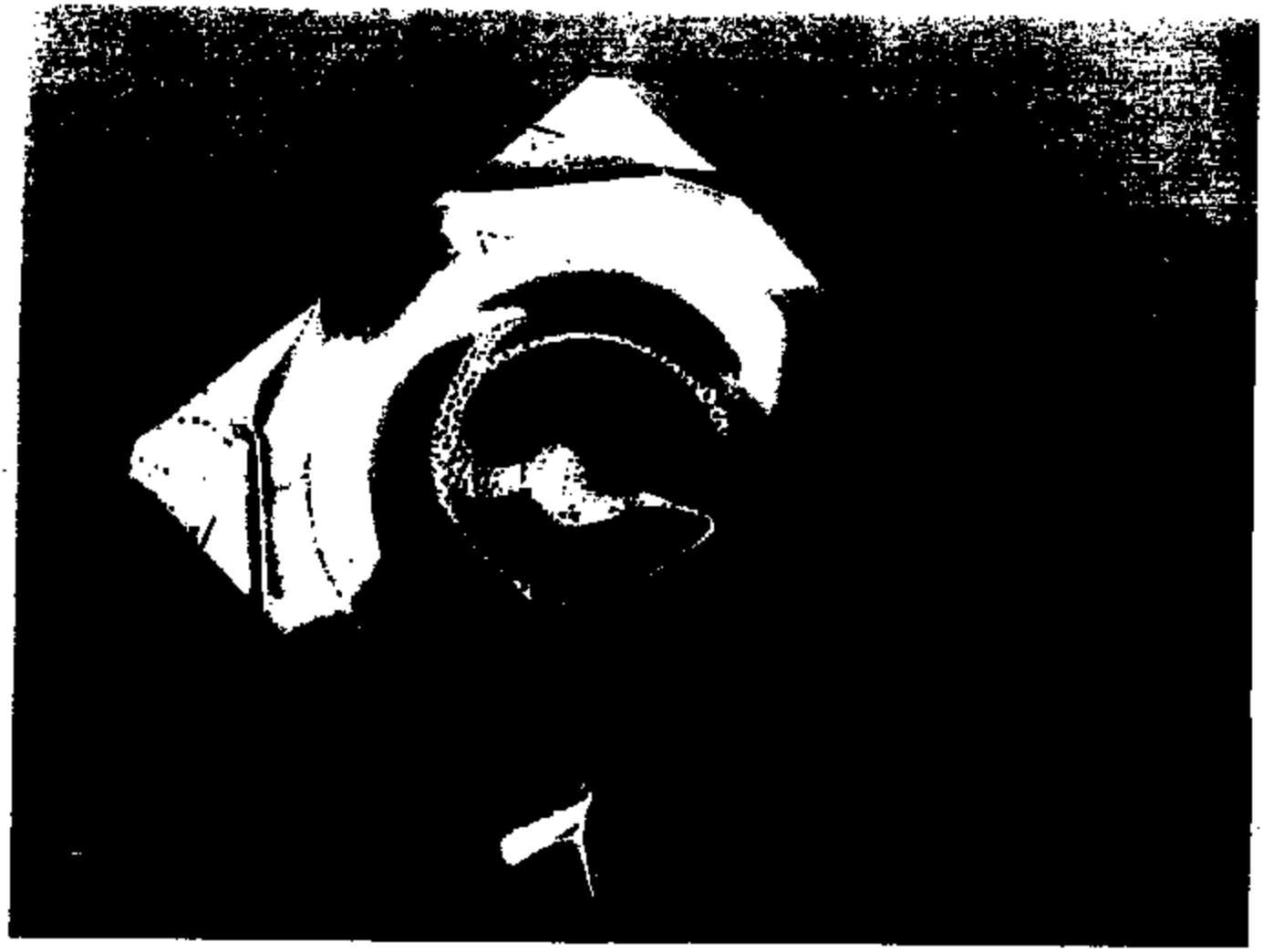

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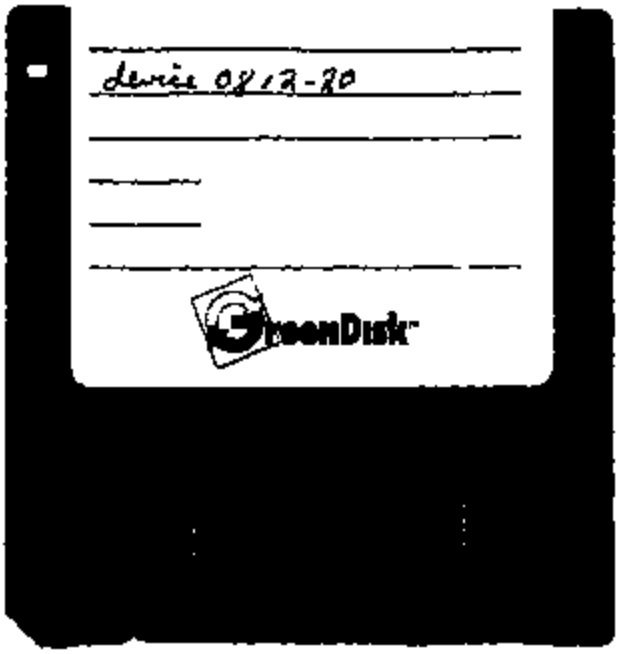
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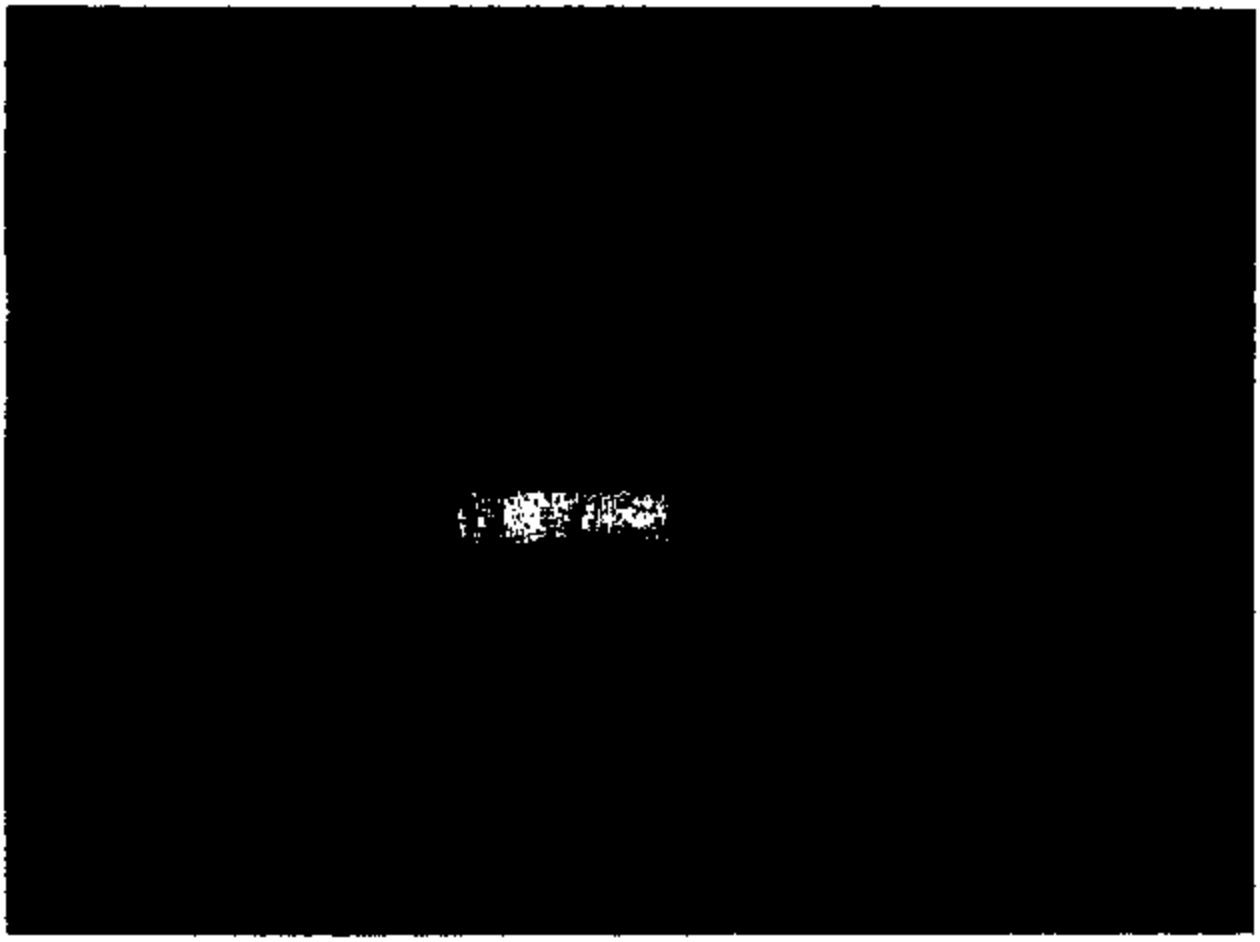

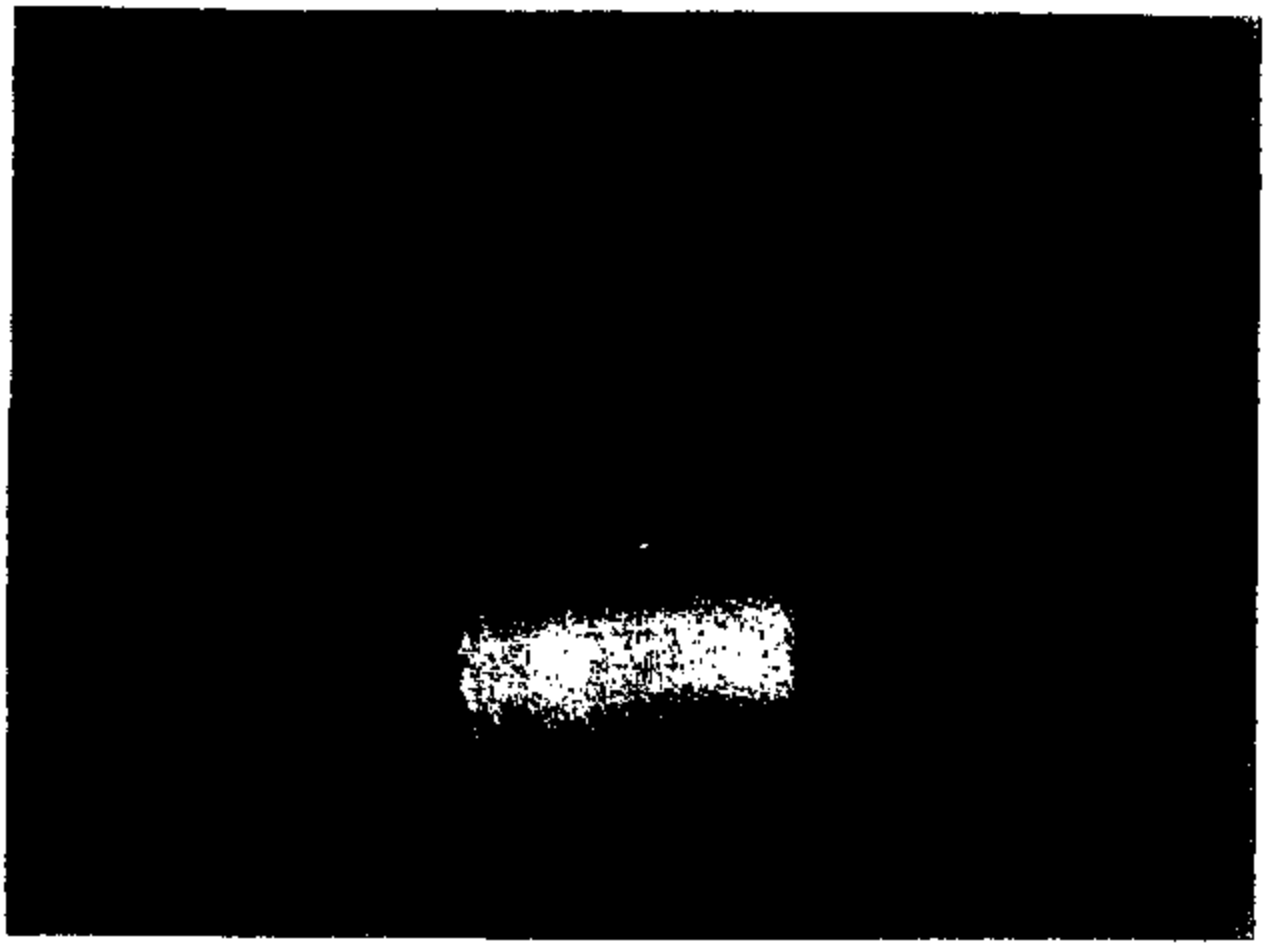

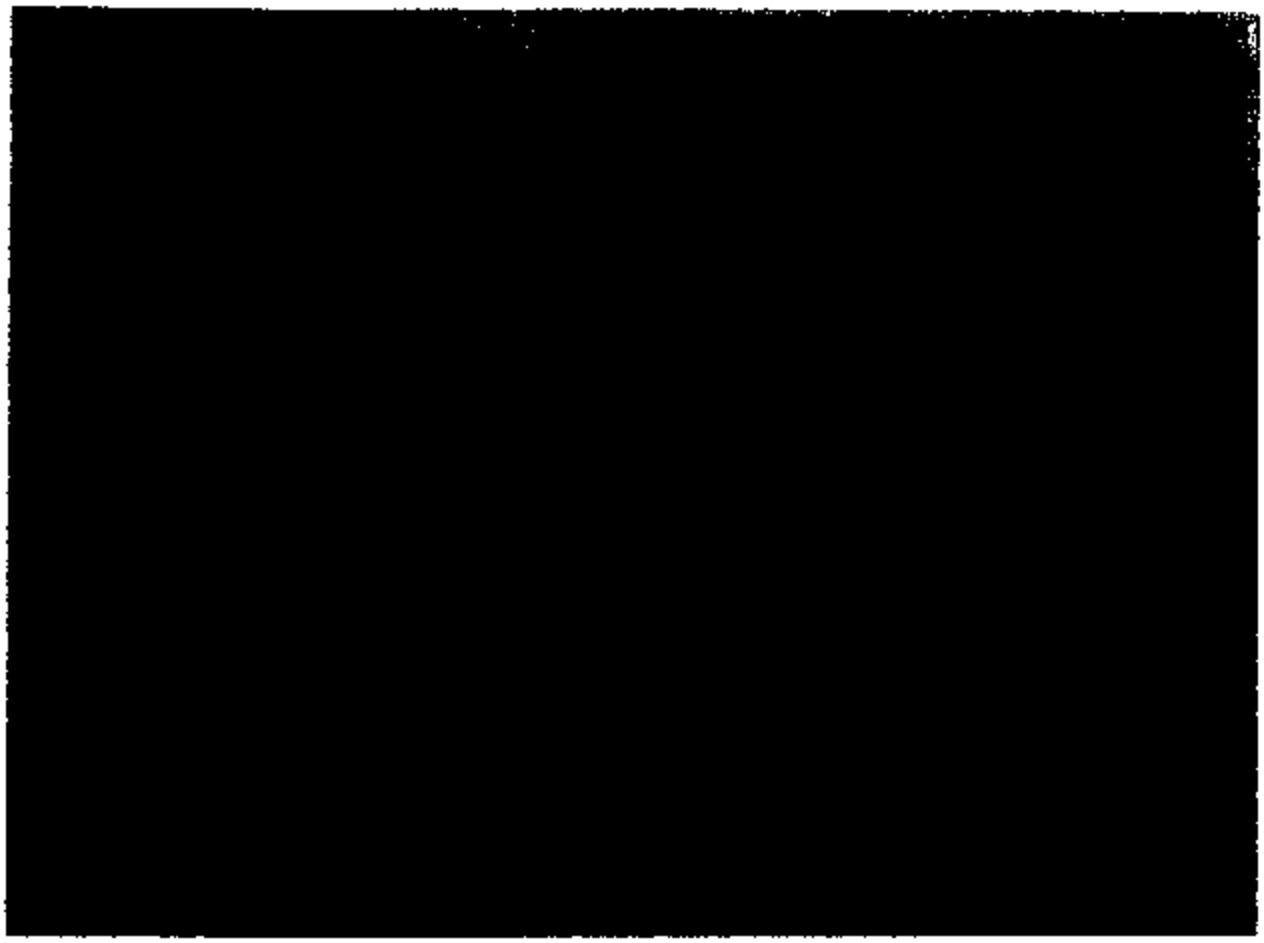

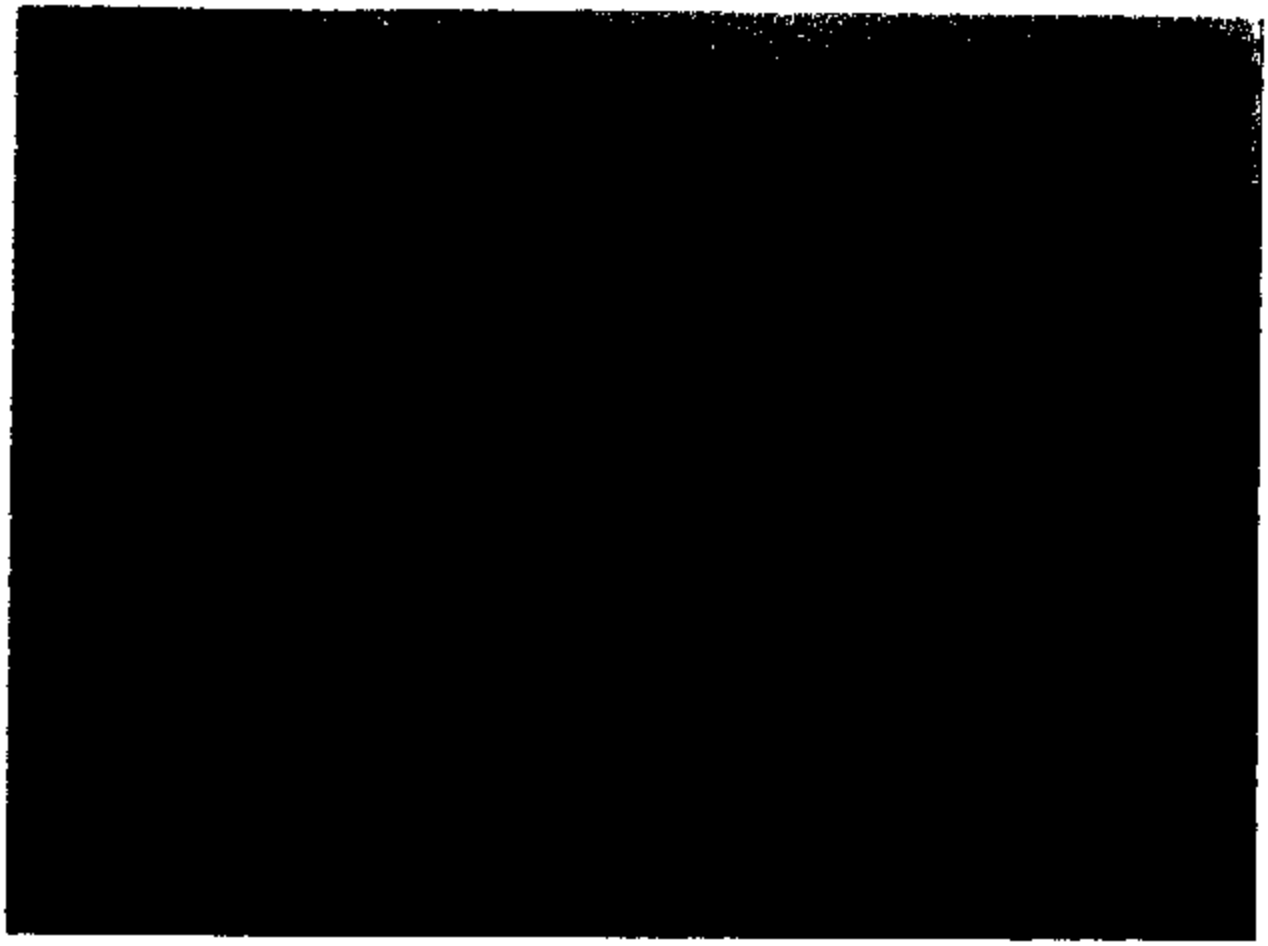

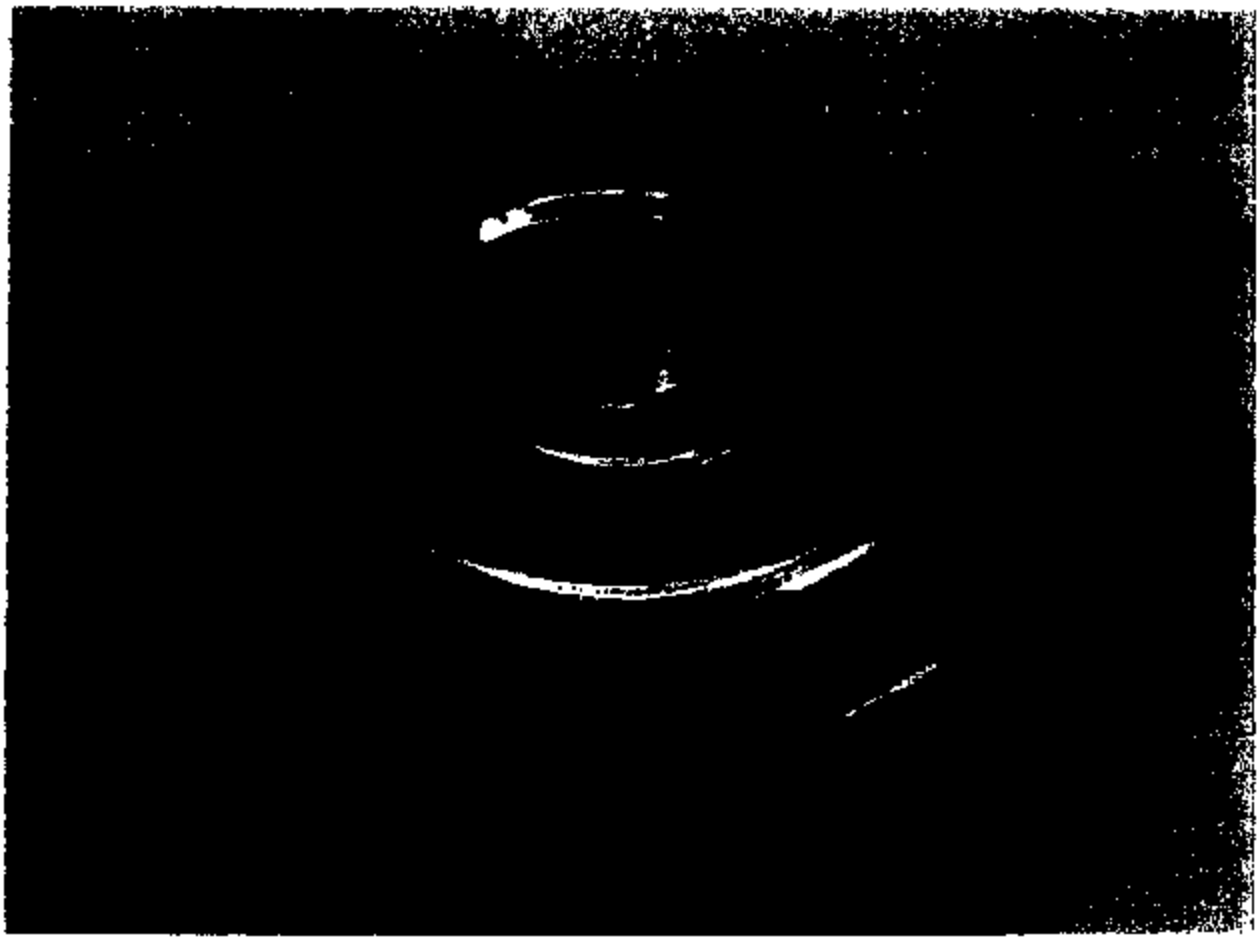

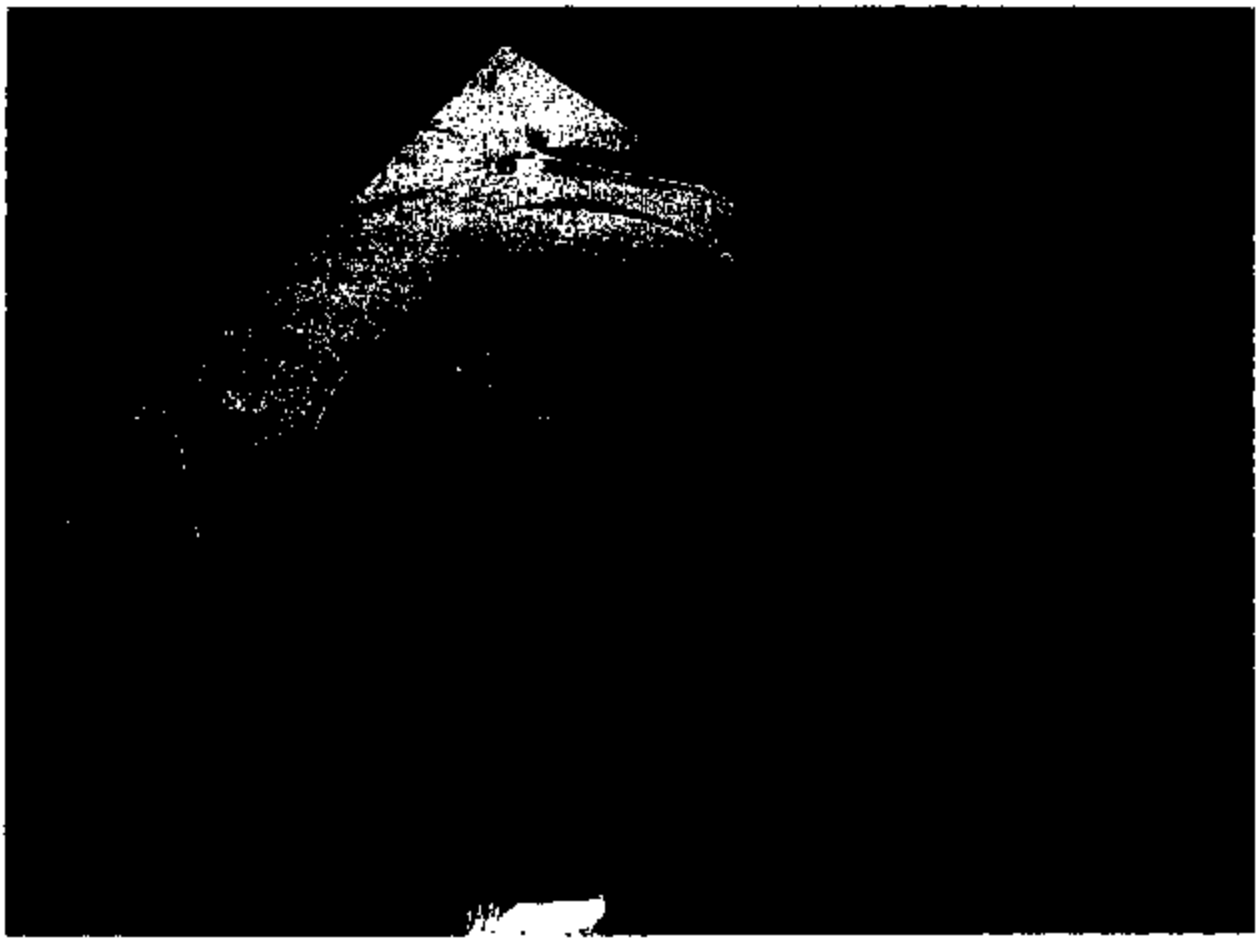

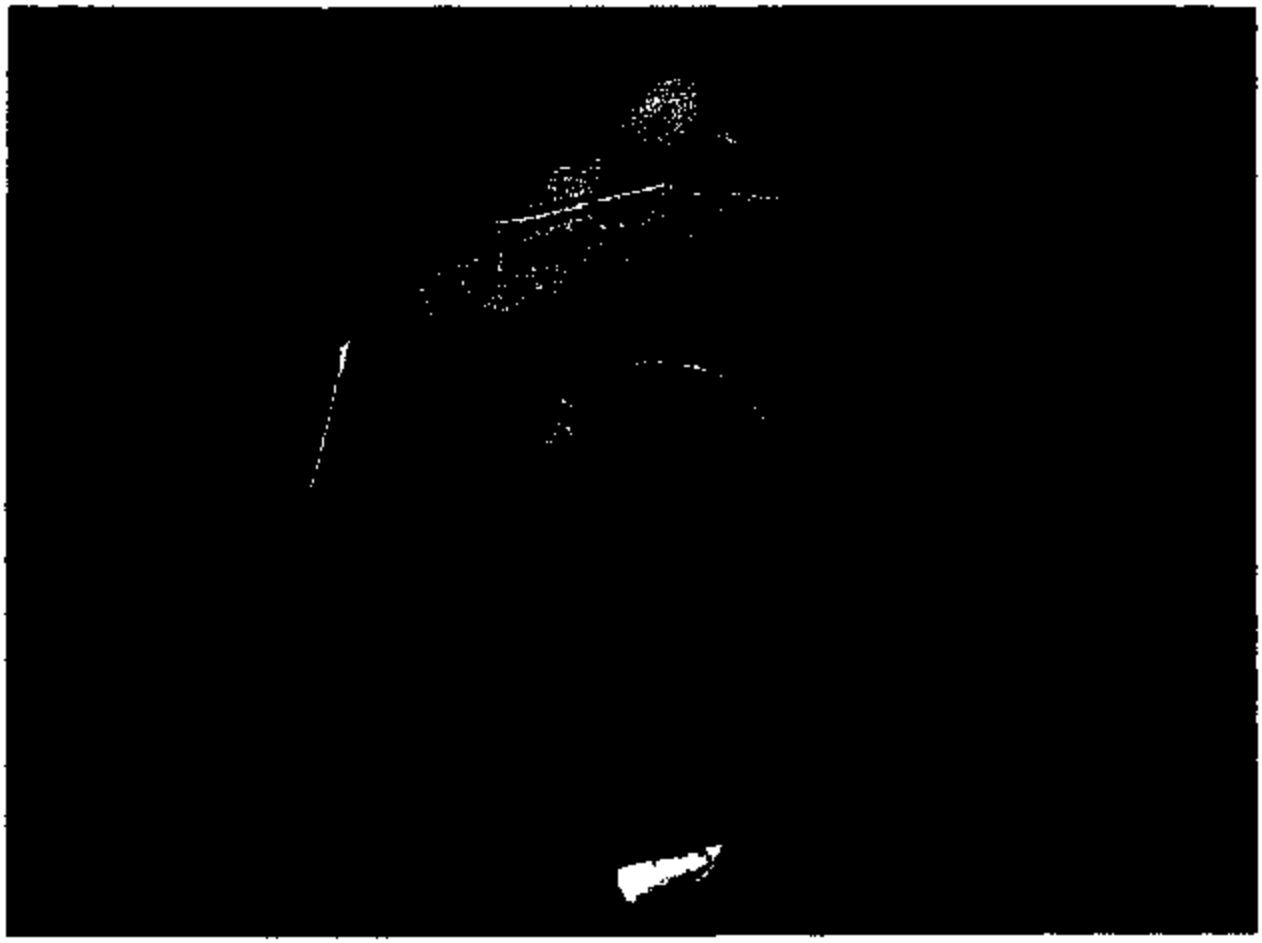

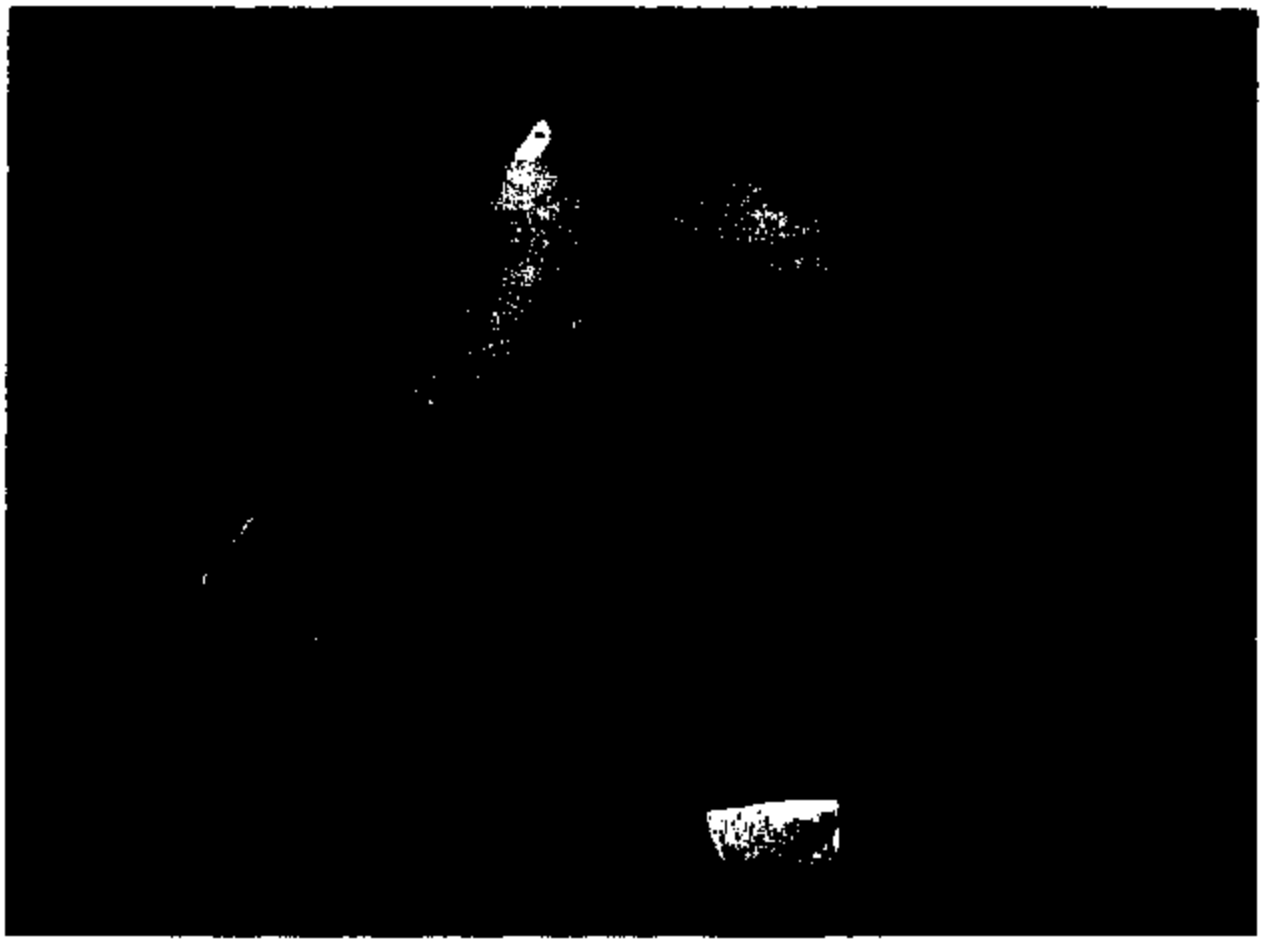

77PSL2-1 Return Analysis Sheet

Device ID: 02-9-F3 Date: [illegible] Ford Part # AB

Operator's Name: _____ Sw Date Code: [illegible] Technician BJT

1 Visual Inspection

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

2 Current draw :

Terminal to Terminal?	2.5 Ohms	
Terminal to Housing?	0.00 mA	14 Vdc supply Current limited to 10 amps.

3 Open Crimp Rag

4 Visual Inspection

Connector Leak?	No		Yes		
Component wear?	None		Light	Medium	Heavy
EF 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

	Neutral Fluid			Middle			Neutral Converter		
	Fluid	#1	Converter	Fluid	#2	Converter	Fluid	#3	Converter
	Teflon	Kapton	Teflon	Teflon	Kapton	Teflon	Teflon	Kapton	Teflon
Teflon stress	~		~	~		~	~		~
Teflon cracks	~		~	~		~	~		~
Teflon delamination	~		~	~		~	~		~
Kapton cracks		~			~	~		~	
Strain pattern		~			~			~	
Wear particles/discoloration	~	~	~	~	~	~	~	~	~

8 Gasket Inspection

Present	Yes	No
Nibbles/missing material	Yes	
Gasket thickness	0.0177 Inches	
	0.0173 Inches	
	0.0178 Inches	

9 Package and Store

10 Analysis Summary: NTF Issue Discovered

TI-NHTSA 9147

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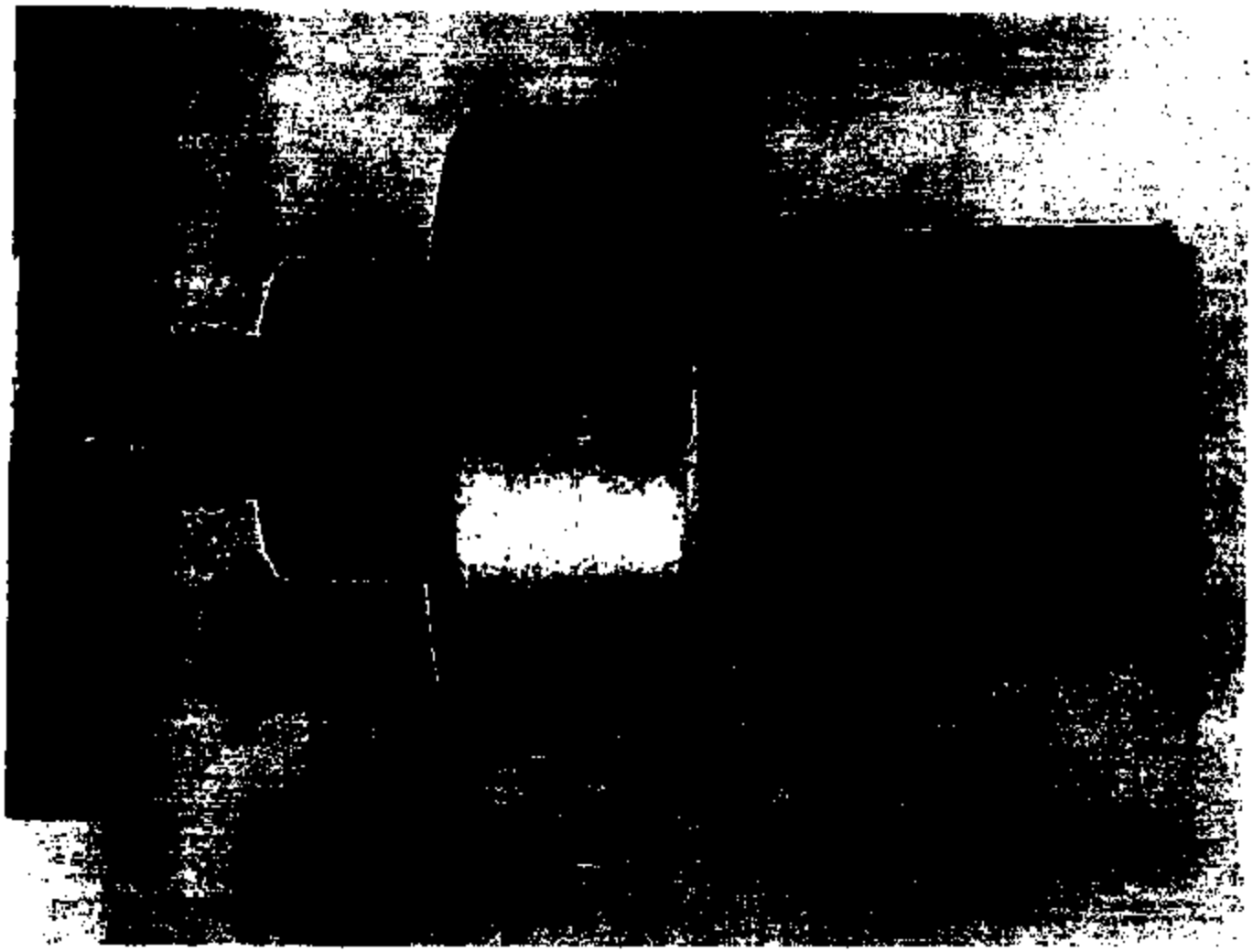

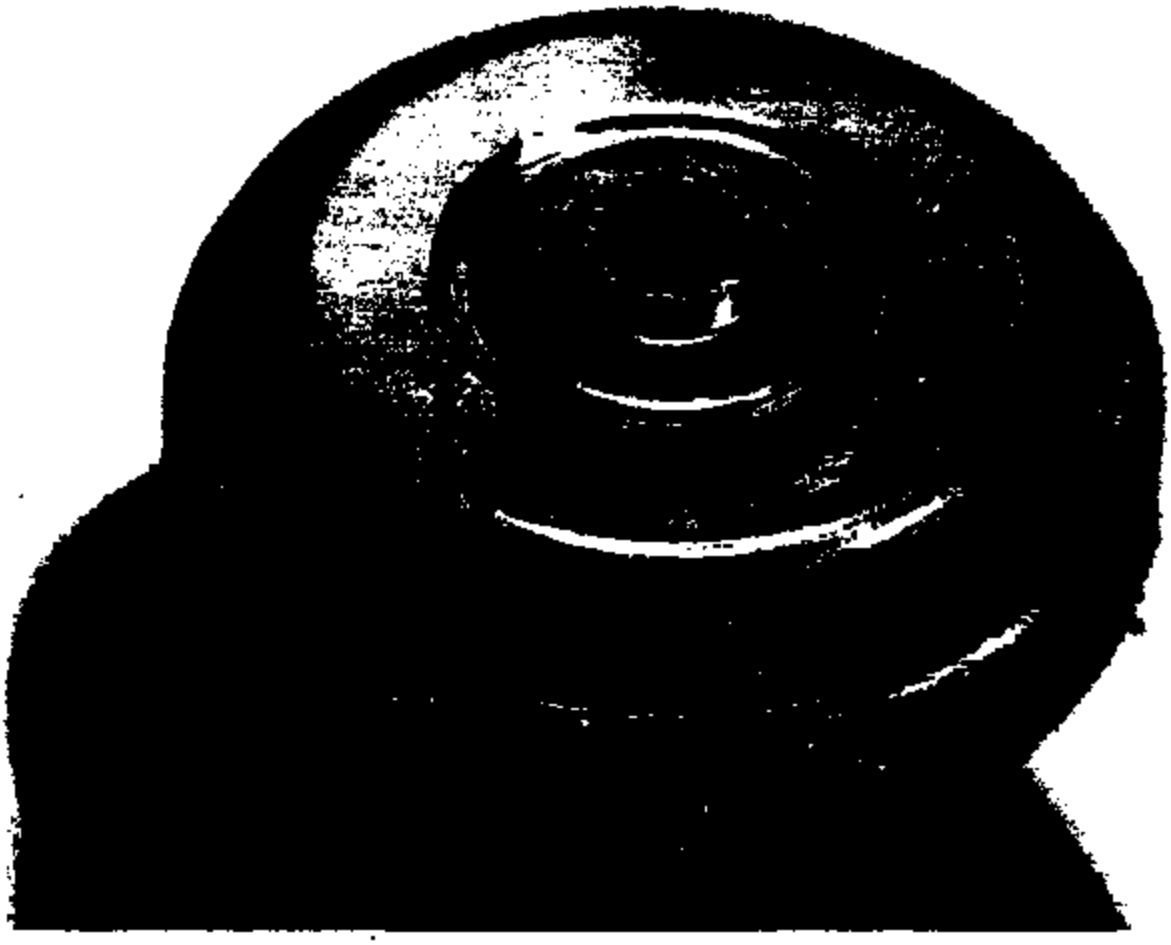

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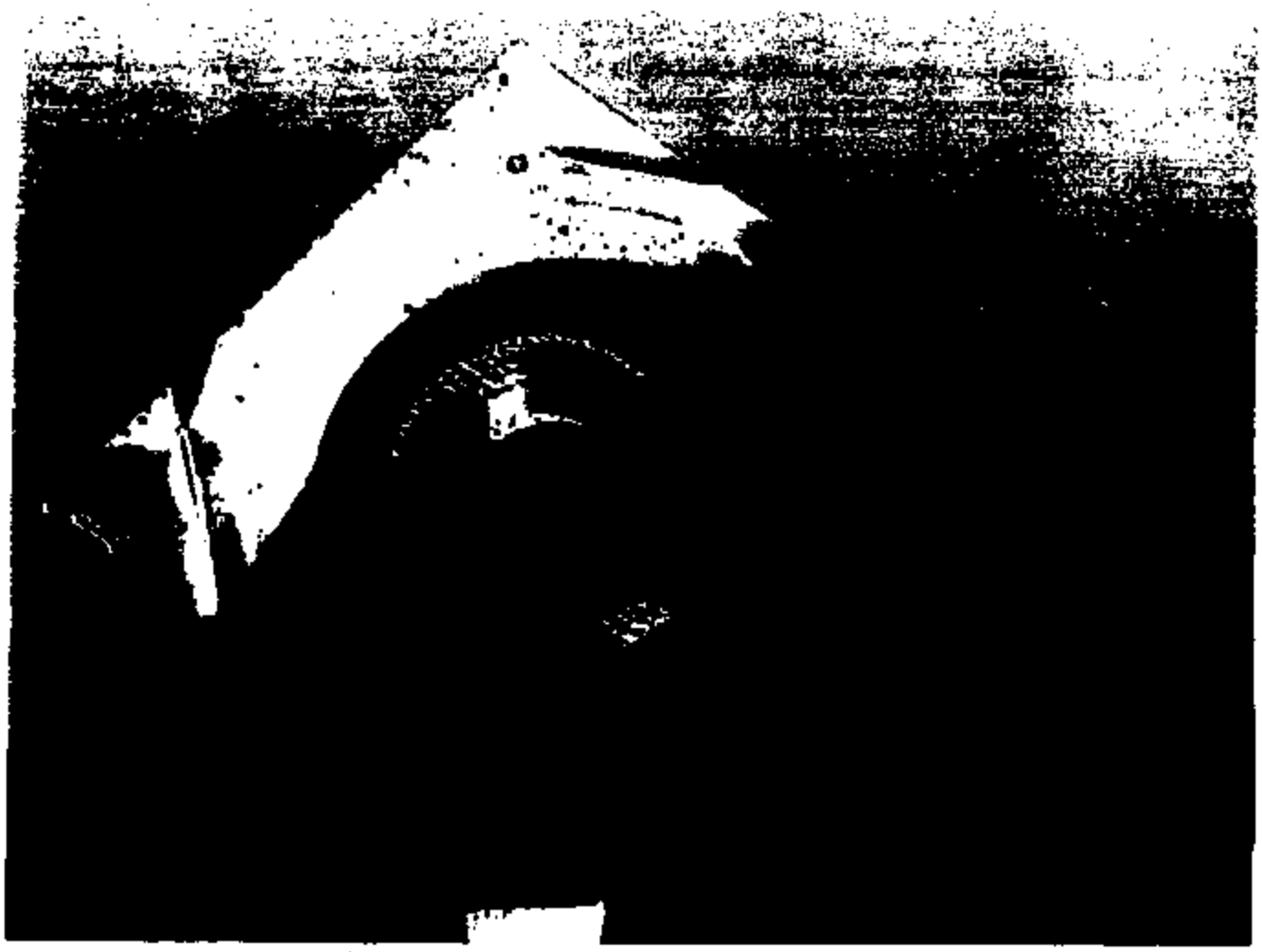

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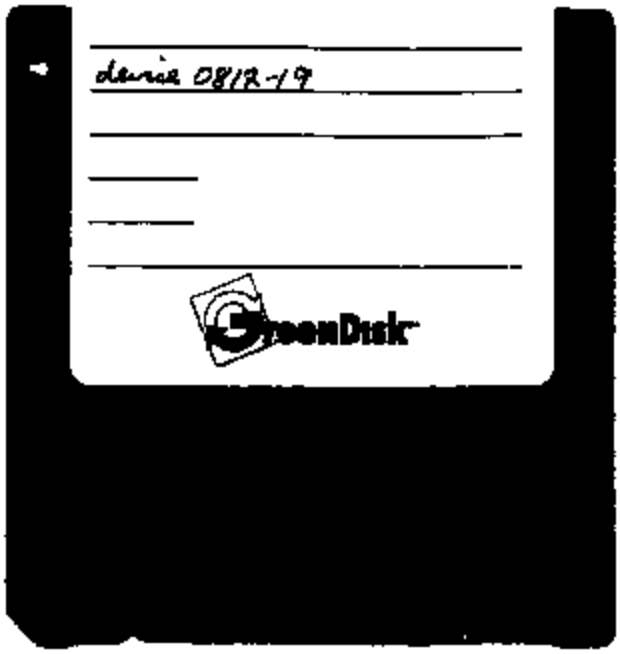
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