

EA02-025

FORD 10/27/03

APPENDIX N

BOOK 23 OF 61

PART 2 OF 5

24 Forest St
 MS 10-16
 Andover, MA 02703

facsimile-transmission

To: Rock Carter (Ford) Fax: 313-621-0046
 From: Al Hopkins (Texas Instruments) Date: 04/13/99
 Re: SEM-EDS Data Collected at TI Pages: This Cover Sheet & 41 Pages of Data
 CC: [Click here and type name]
☐ Urgent ☒ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

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Sample

Sample	Pages	Photos	Spectra
Top Surf of Cup After Degreasing	1-14	01-05	001-009
Terminal Cavity after Disassembly	15-28	06-15	010-013
"A" - Black Flake from Trough	29-31	20	020-021
"B" - Material Scraped from Cup Assembly	32-37	21	022-026
"C" - Green Material on Cup	38-41	22	027-028

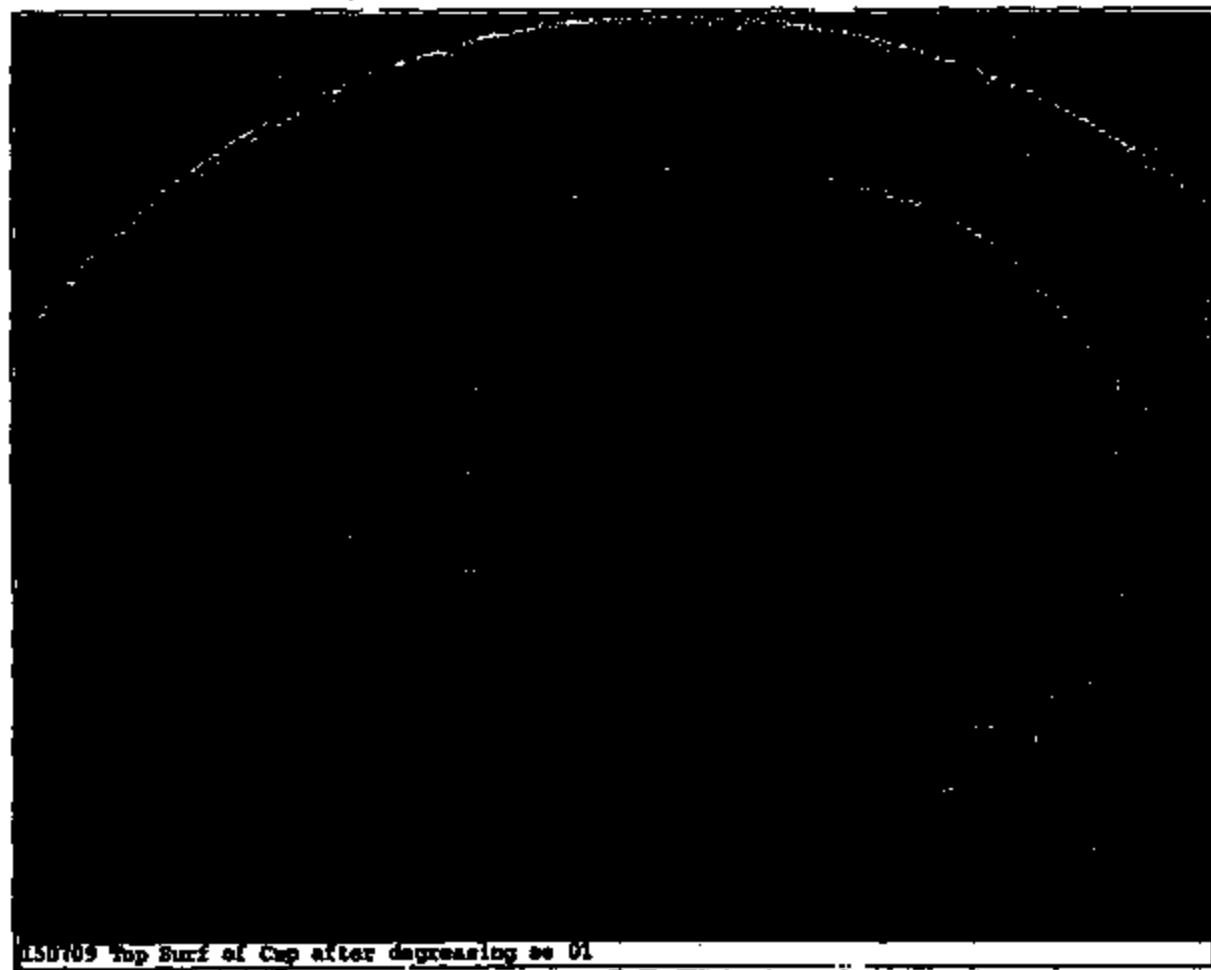
Regards,

Al

508-236-3040

P. 2

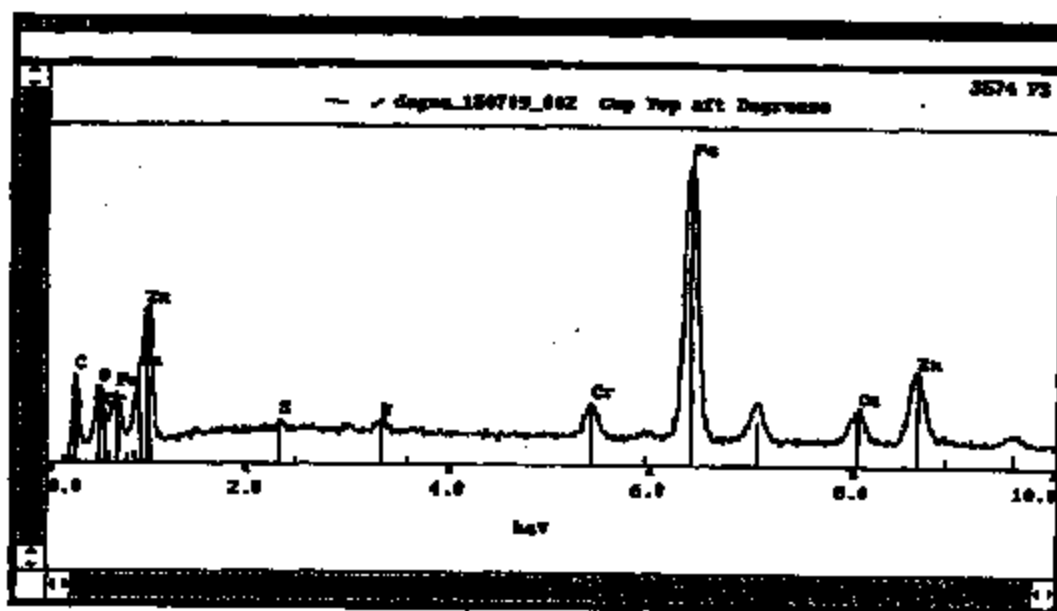
APR-2-99 THU 4:19 PM



2512 73

10.0

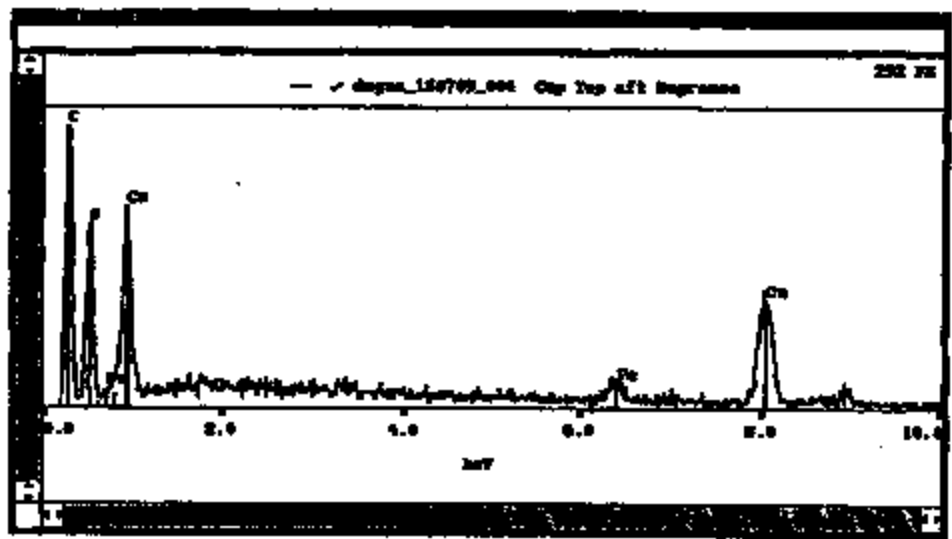
3713 5065



1.1

5

6

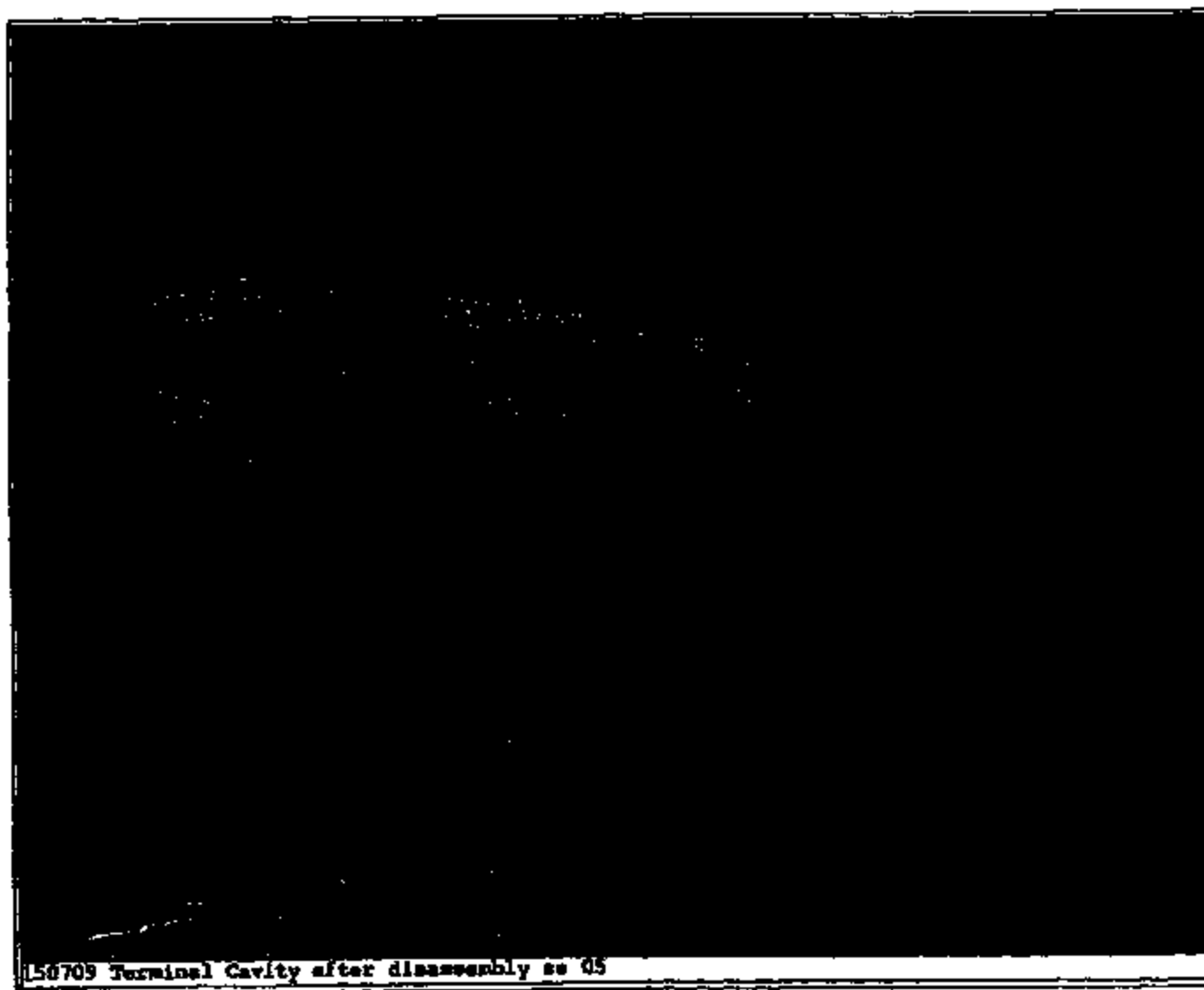


2000 100 100-100

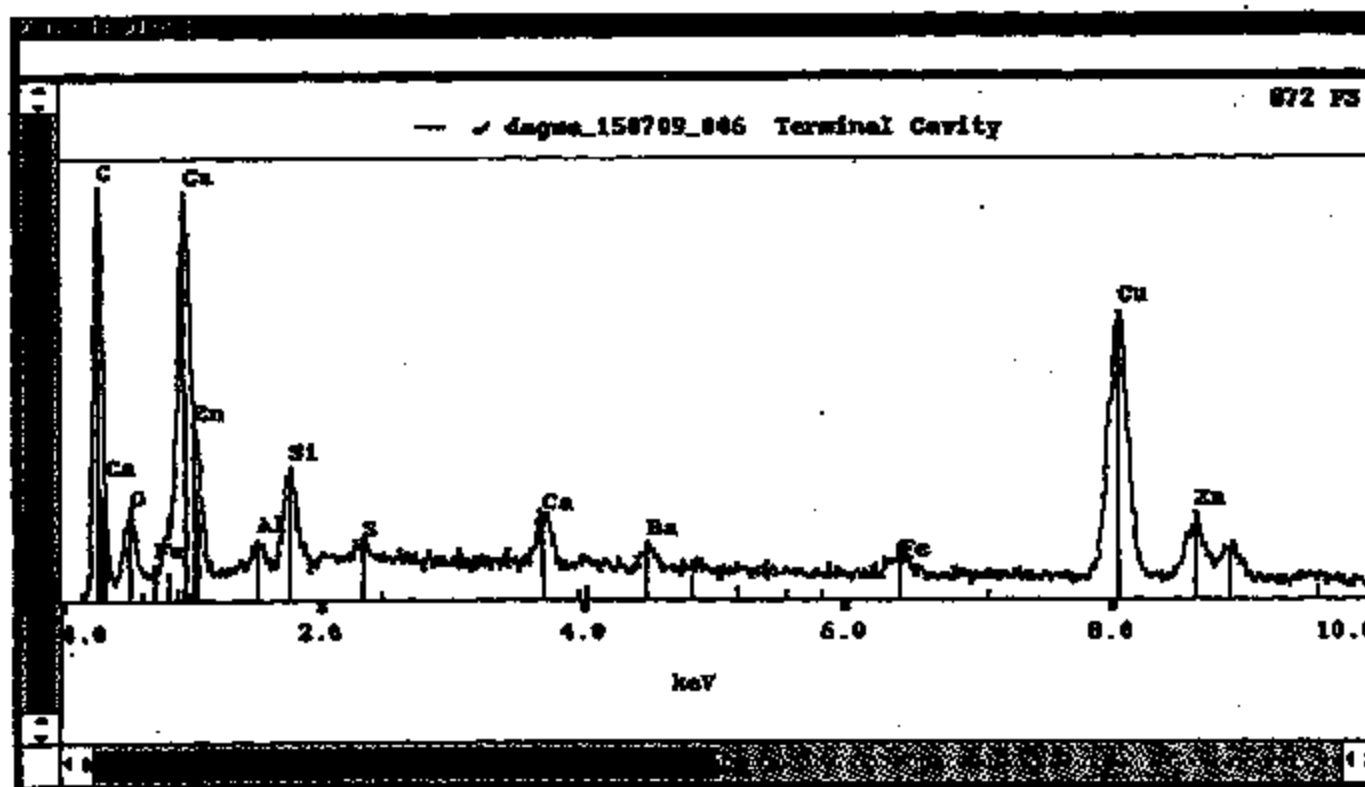
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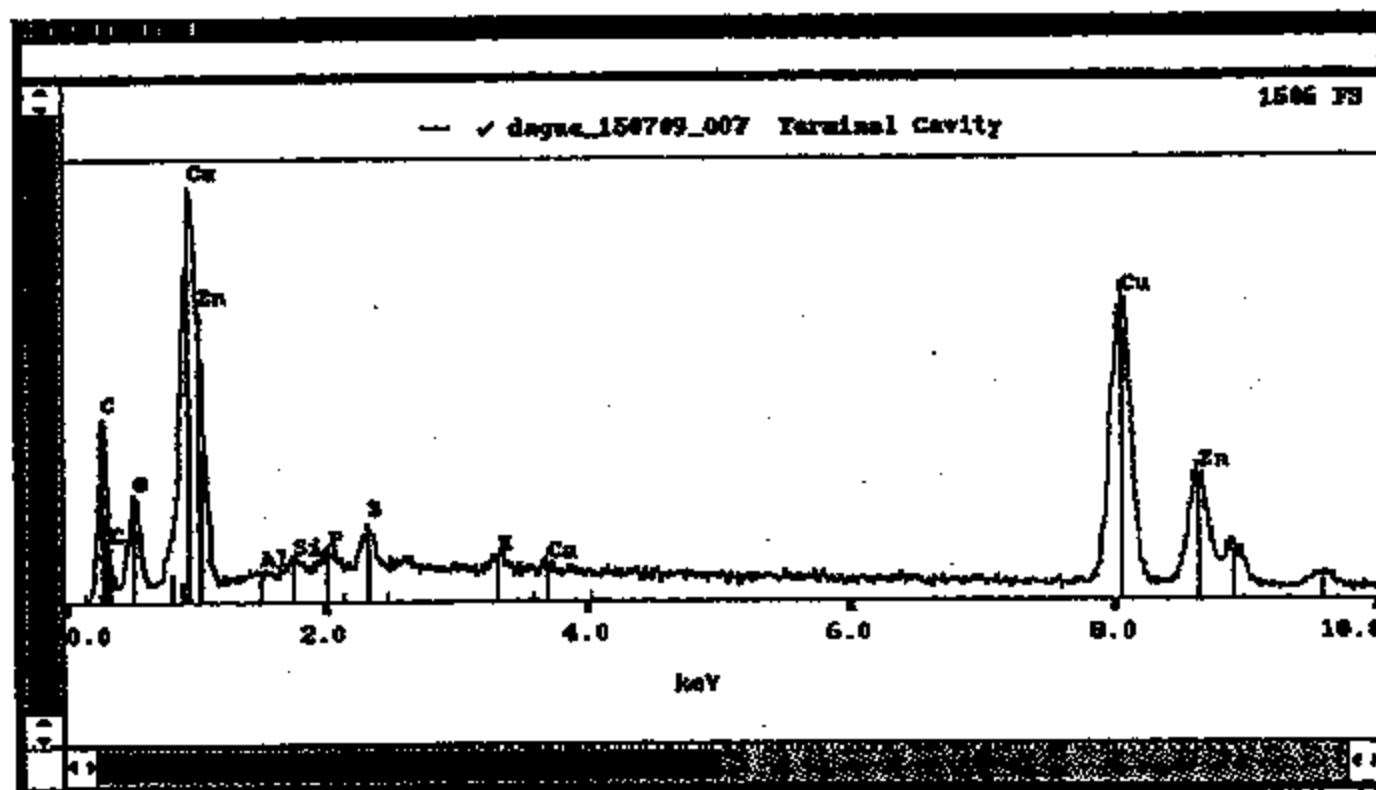
P. 5

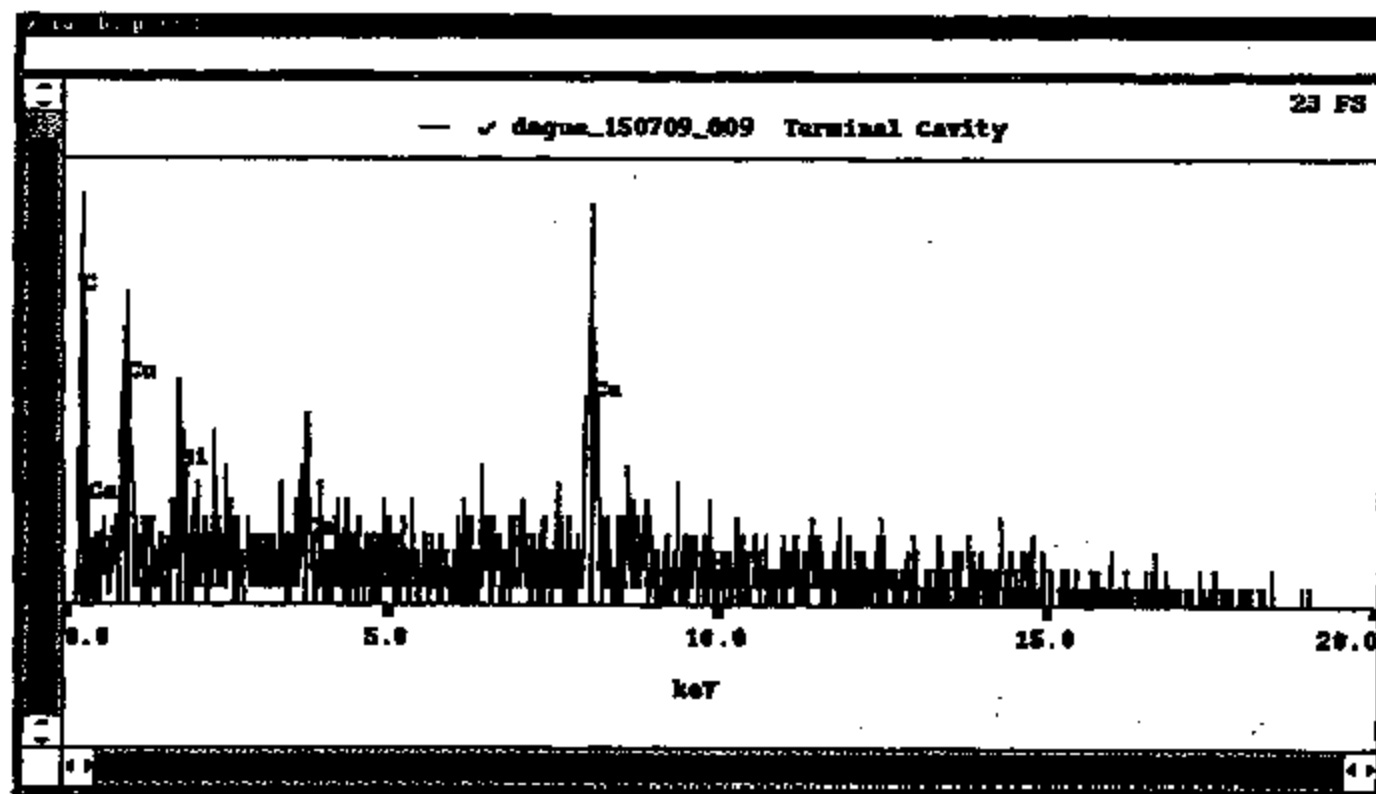
APR-13-99 TUE 4:19 PM



150709 Terminal Cavity after disassembly as 05







P. 9



150709 Terminal Cavity after disassembly wa 06

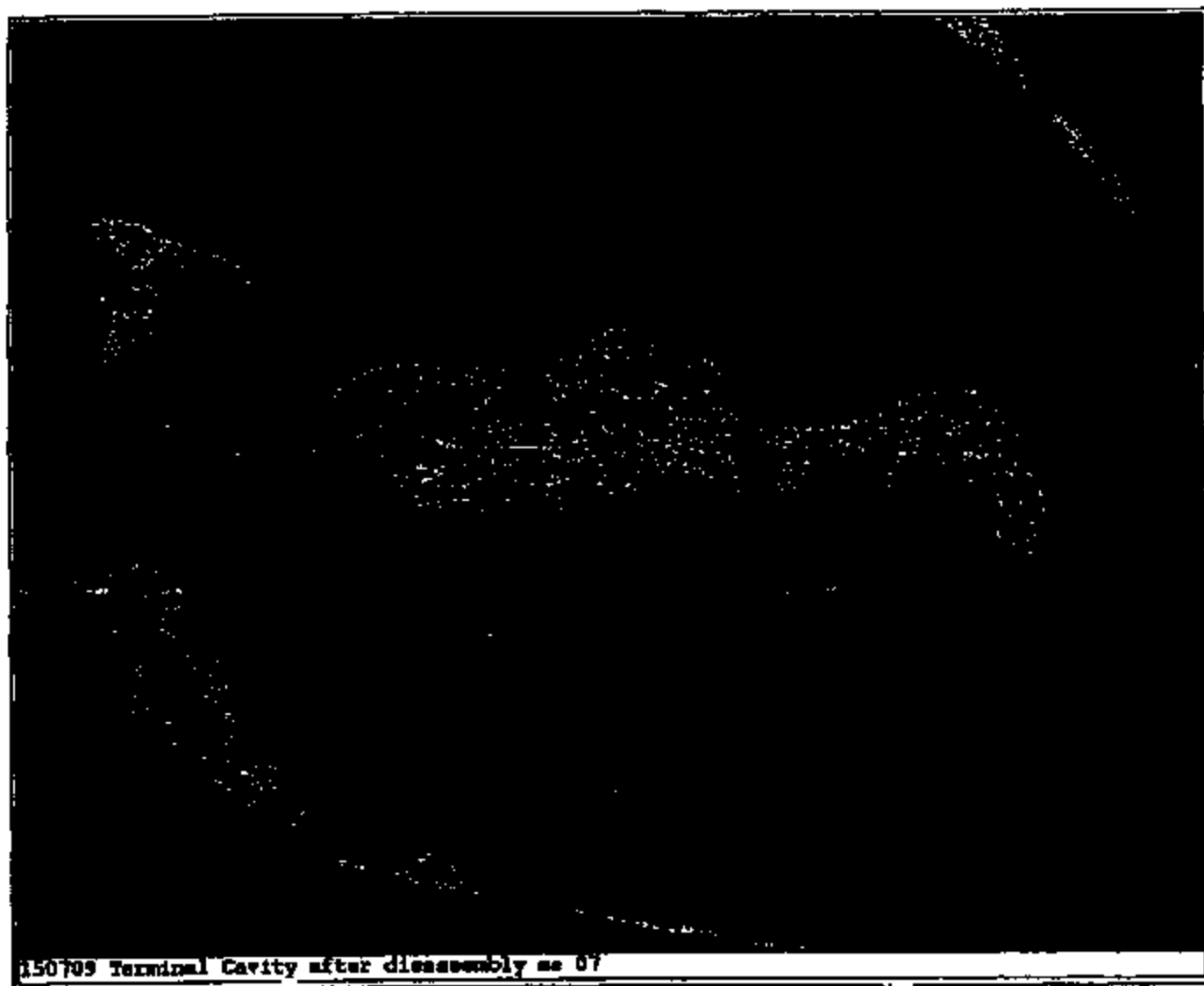
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MAIL 66-61-441

8713 6072

P.10

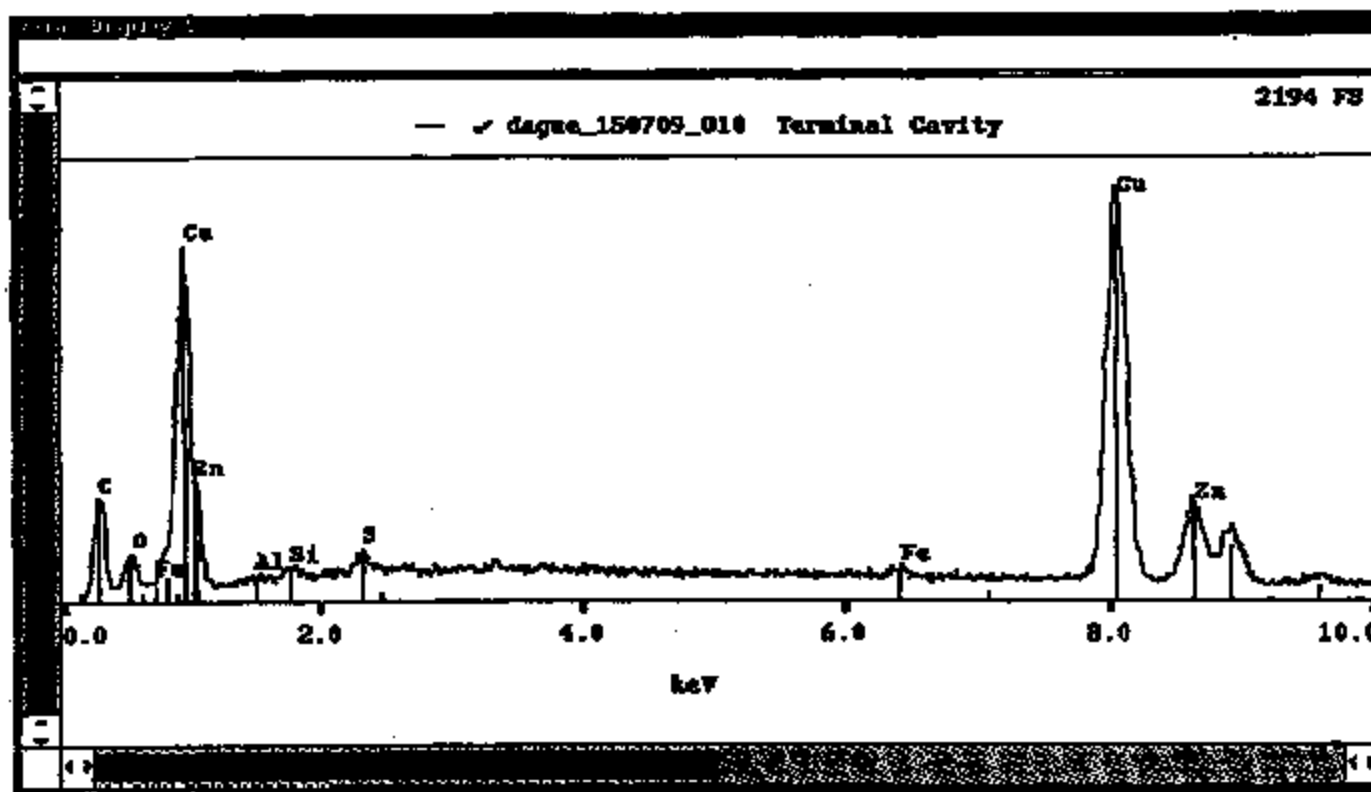
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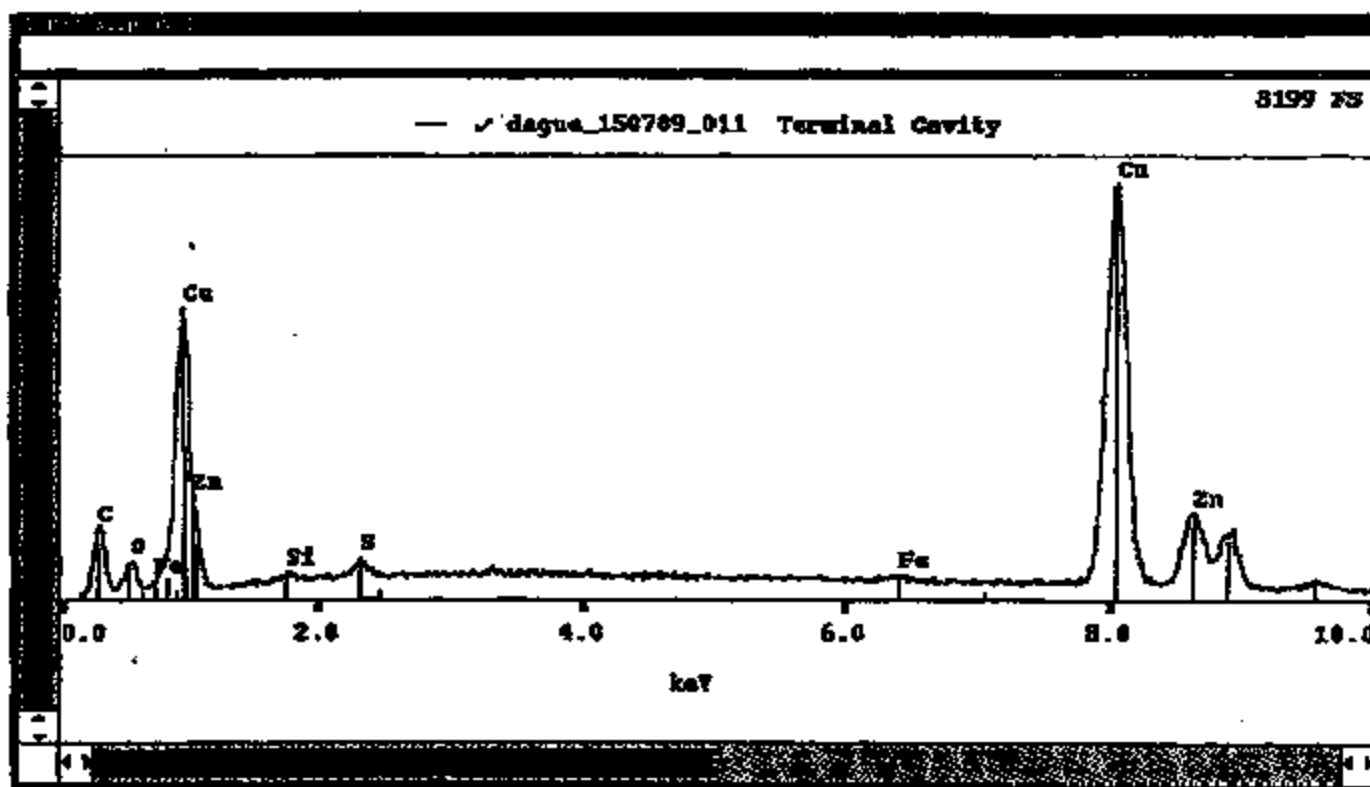
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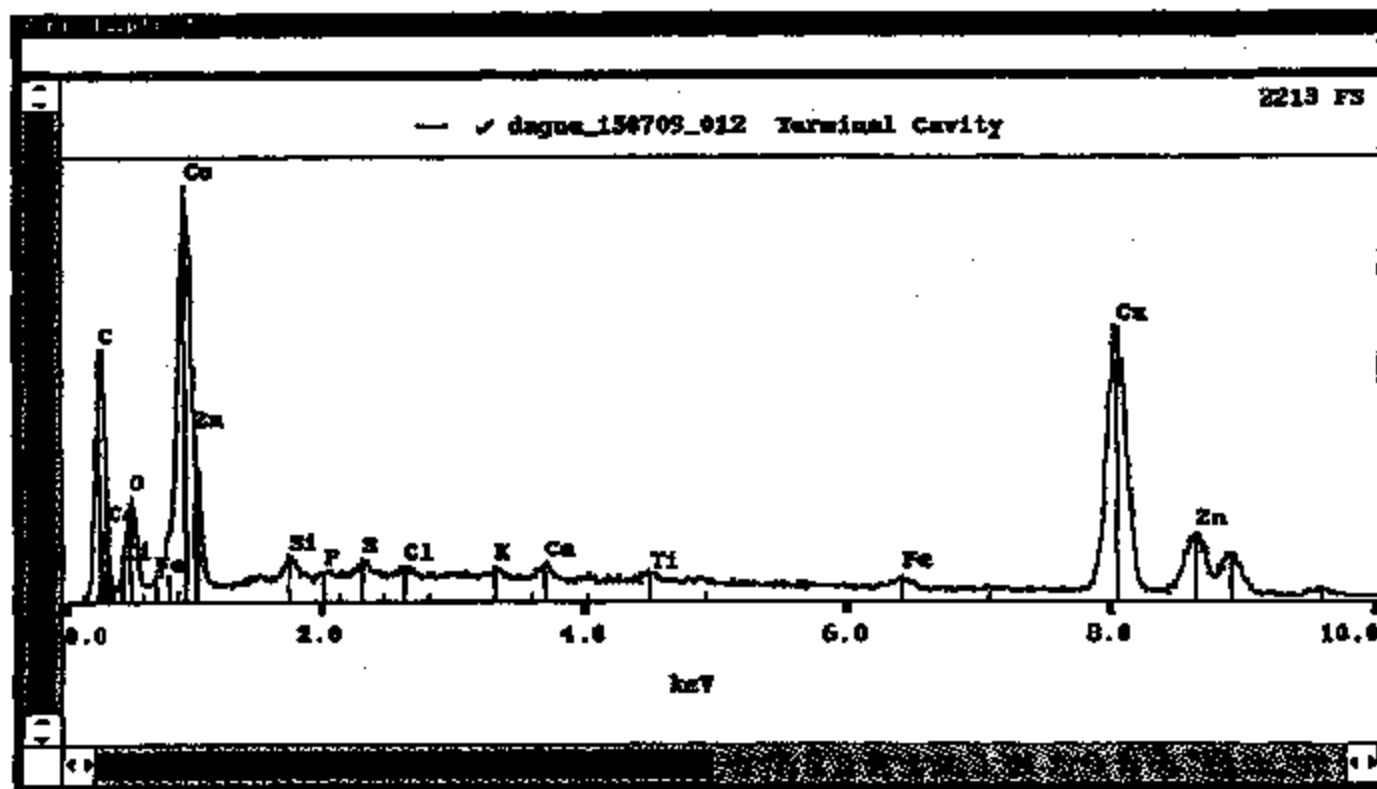


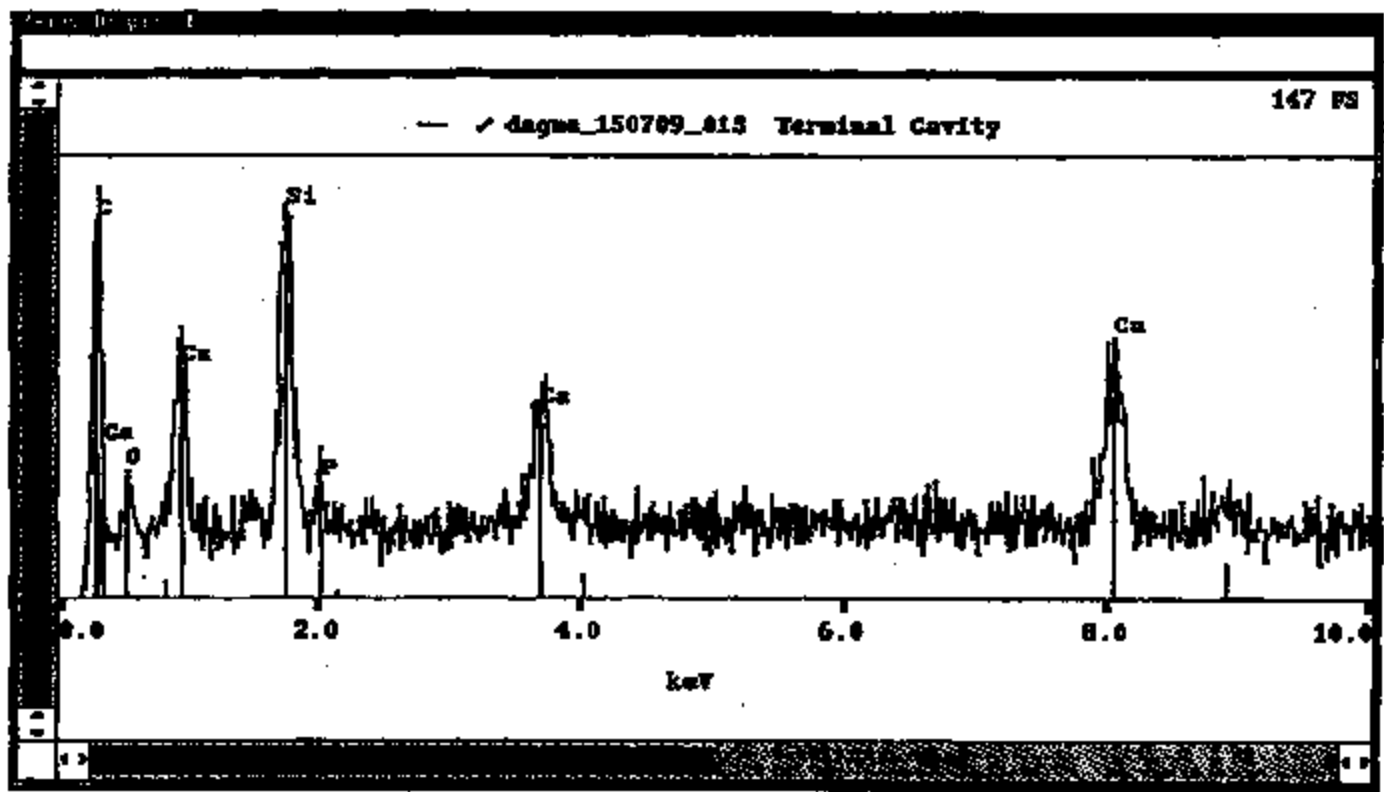
150709 Terminal Cavity after disassembly as 07

3713 5073









14 Forest St
MS 10-16
Andover, MA 02780

Facsimile Transmittal

To: Rock Center (Ford) Fax: 313-621-0546

From: Al Hopkins (Texas Instruments) Date: 04/13/99

Re: SEM-EDS Data Collected at TI Page: This Cover Sheet & 41 Pages of Data ²¹⁻²⁷

CC: [Click here and type name]

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Terminal Cavity after Disassembly	15-20	06-15	010-019
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"B" - Material Scraped from Cup Assembly	32-37	21	022-026
"C" - Green Material on Cup	38-41	22	027-029

Regards,

Al

APR-13-99 TUE 4:29 PM

21

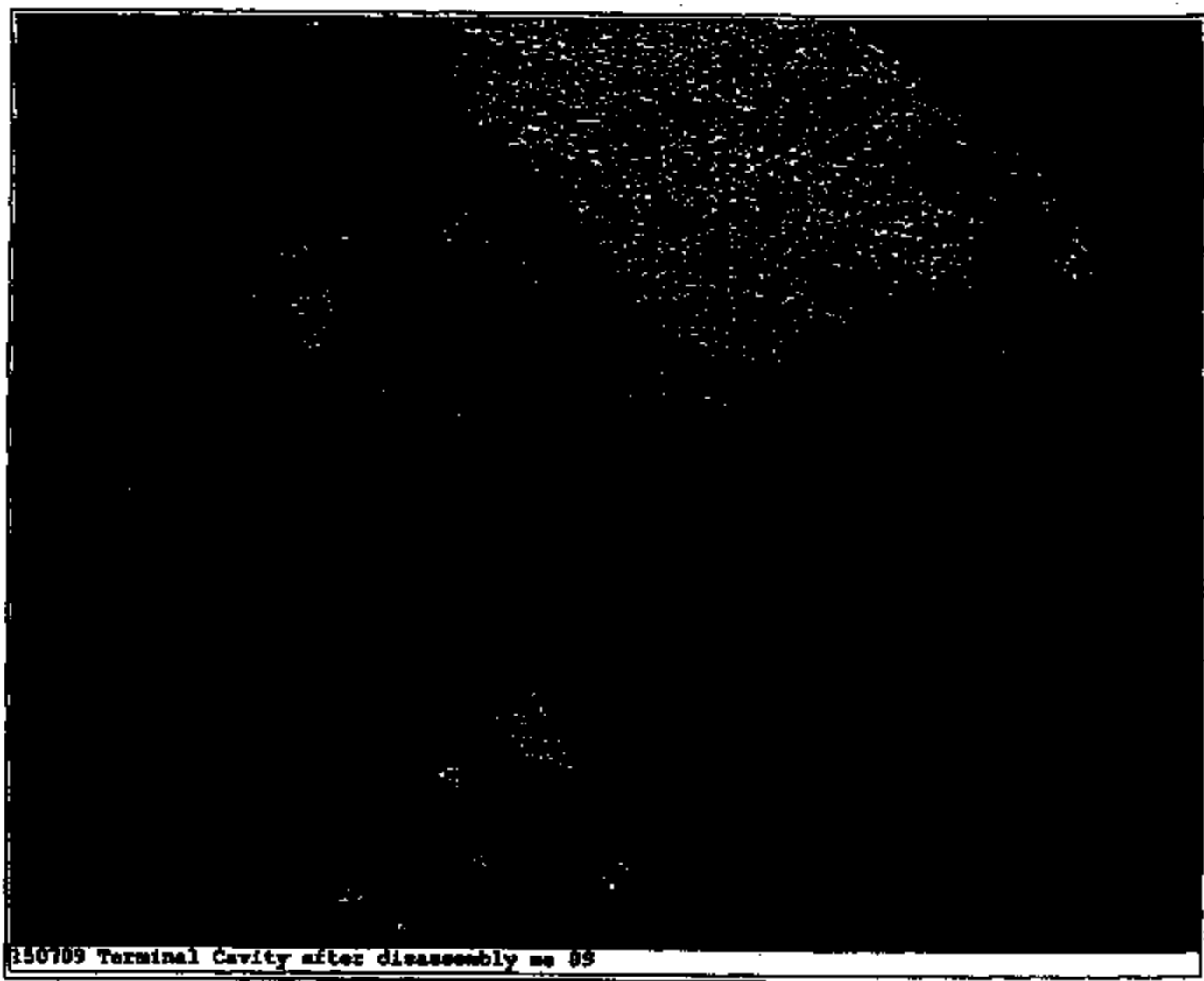


150709 Terminal Cavity after disassembly as 98

3713 6079

P. 2

29
APR-13-99 TUE 4:30 PM



350709 Terminal Cavity after disassembly no 09

3713 6080

P. 3

APR-13-99 TUE 4:32 PM

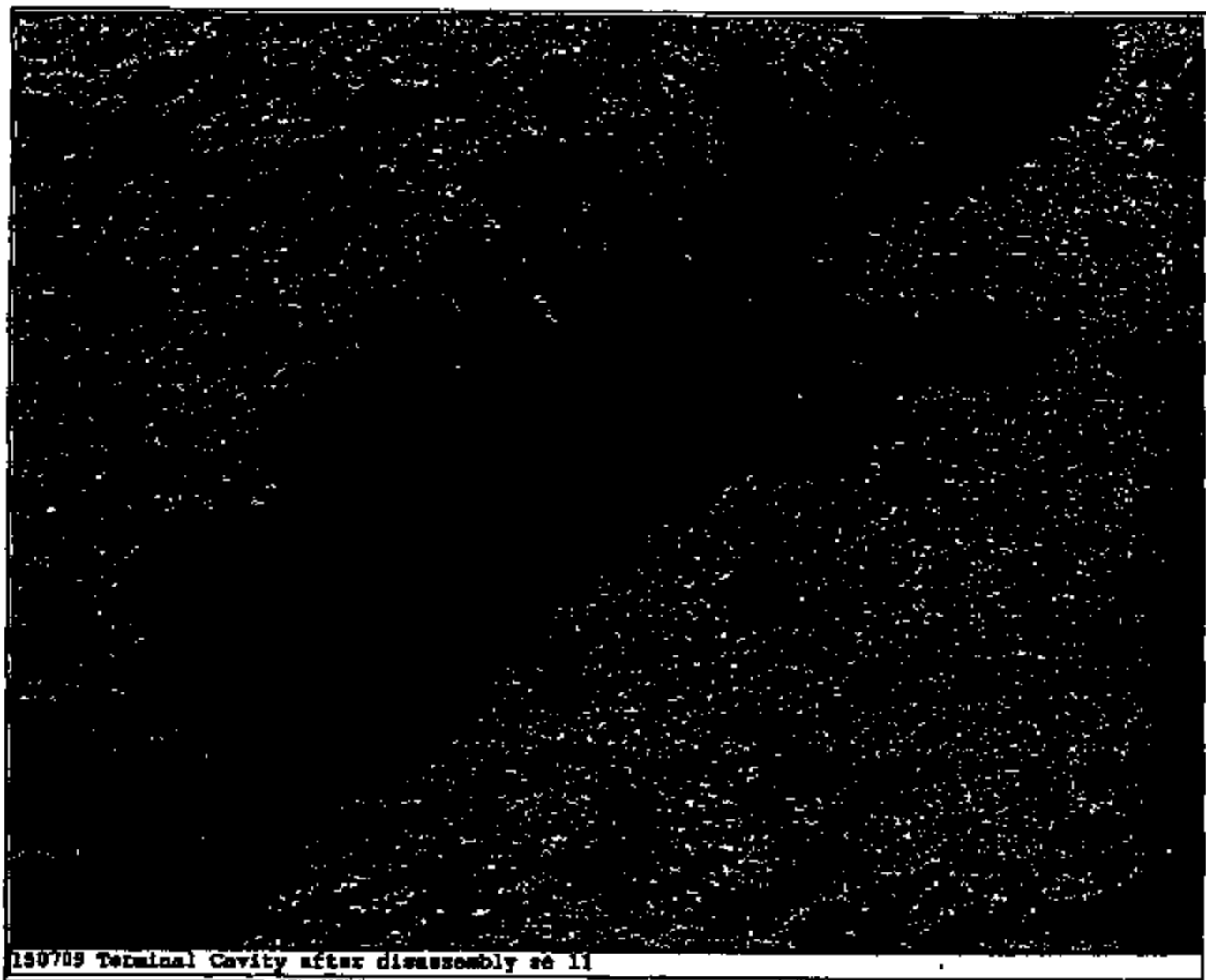
23



3713 8081

APR-13-99 TUE 4:33 PM

54



150709 Terminal Cavity after disassembly at 11

P. 5

3713 6082

APR-13-99 TUE 4:36 PM

25



150709 Terminal Cavity after disassembly no 12

3713 6083

P. 6

34 Forest St.
128 10-16
Andover, MA 02703

Facsimile Transmittal

To: Rock Carrier (Ford) Fax: 313-621-0646
 From: Al Hopkins (Times Instruments) Date: 04/13/99
 Re: SEM-EDS Data Collected at T1 Page(s): This Cover Sheet & 41 Pages of Data
 CC: [Click here and type name]
☐ Urgent ☒ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

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Regards,

Al

APR-13-99 TUE 8:36 PM

26



150789 Terminal Cavity after disassembly se 13

P. 2

3713 5085

27
APR-13-99 TUE 8:38 PM



150709 Terminal Cavity after disassembly as 14

P. 3

3719 5088

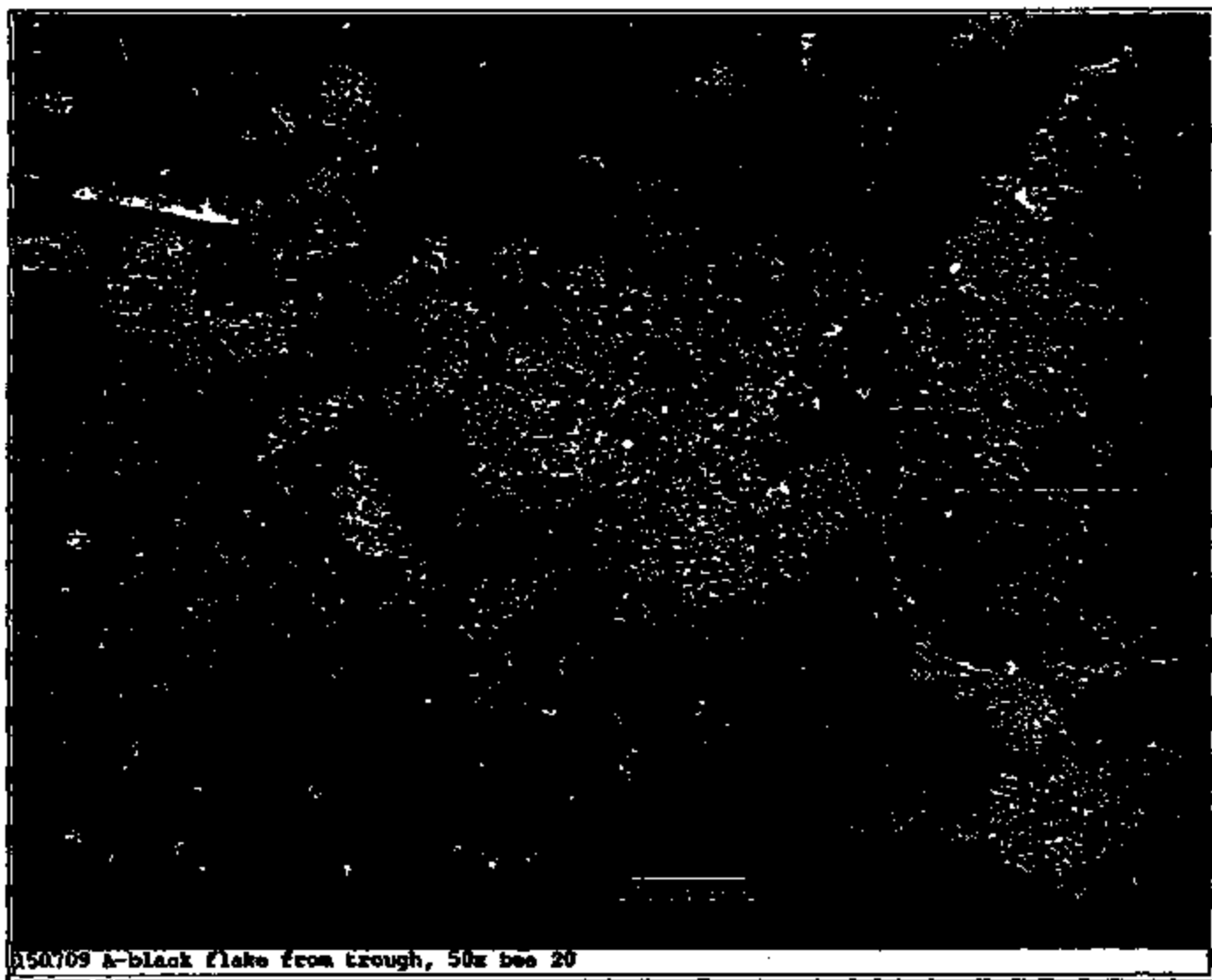
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APR-13-99 TUE 8:40 PM



150709 Terminal Cavity after disassembly sc 15

3713 6087

27
APR-13-99 TUE 8:42 PM



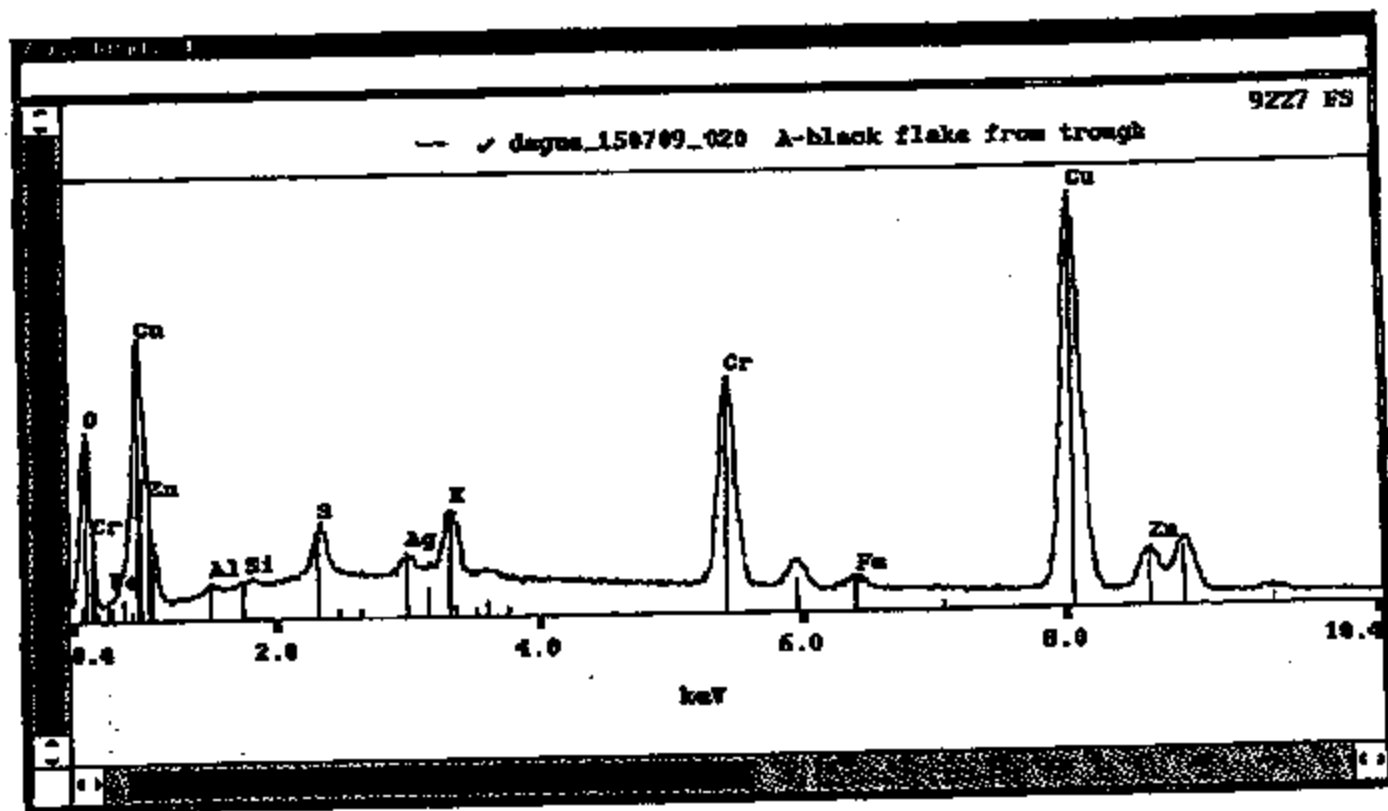
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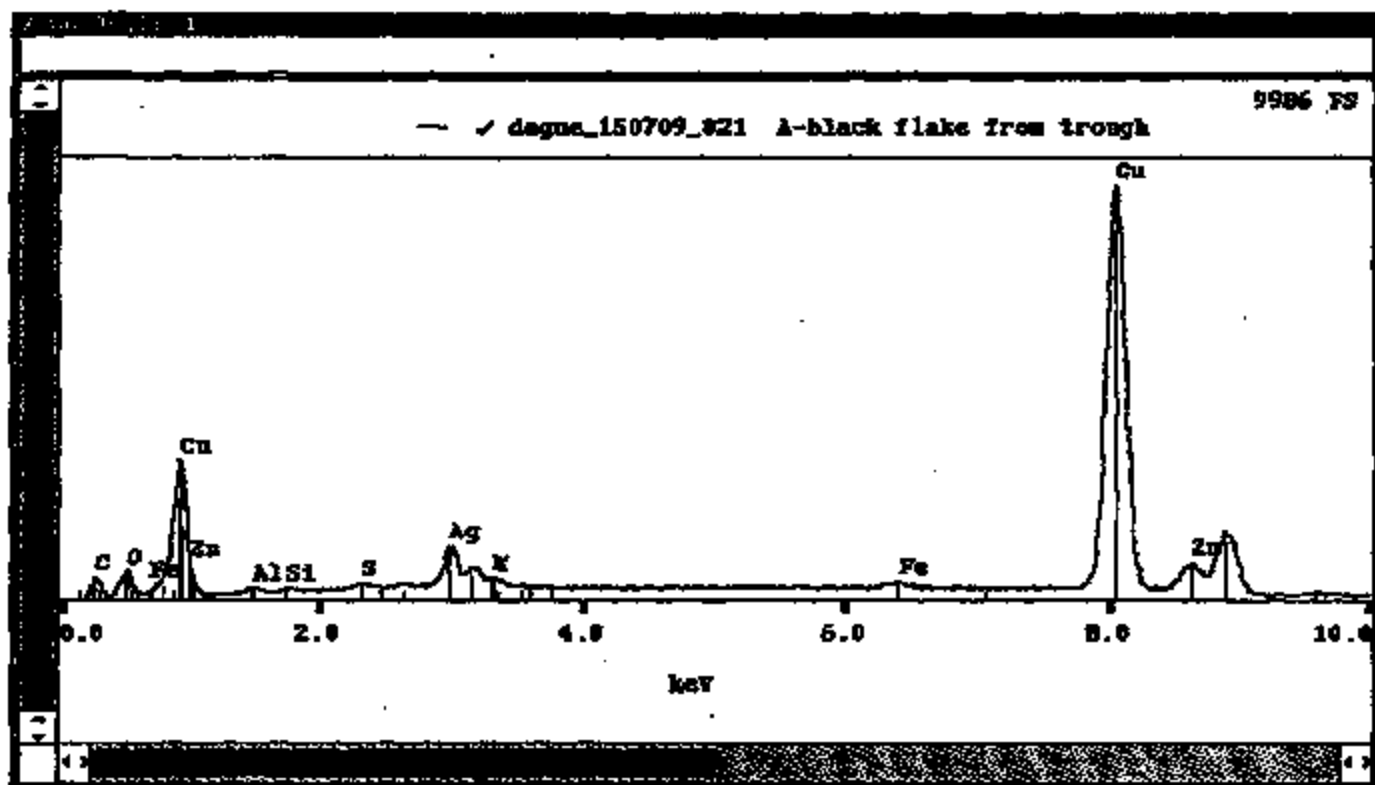
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3713 6089

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APR-13-99 TUE 8:44 PM



3713 6090

P. 7

32
APR-13-99 TUE 8:44 PM

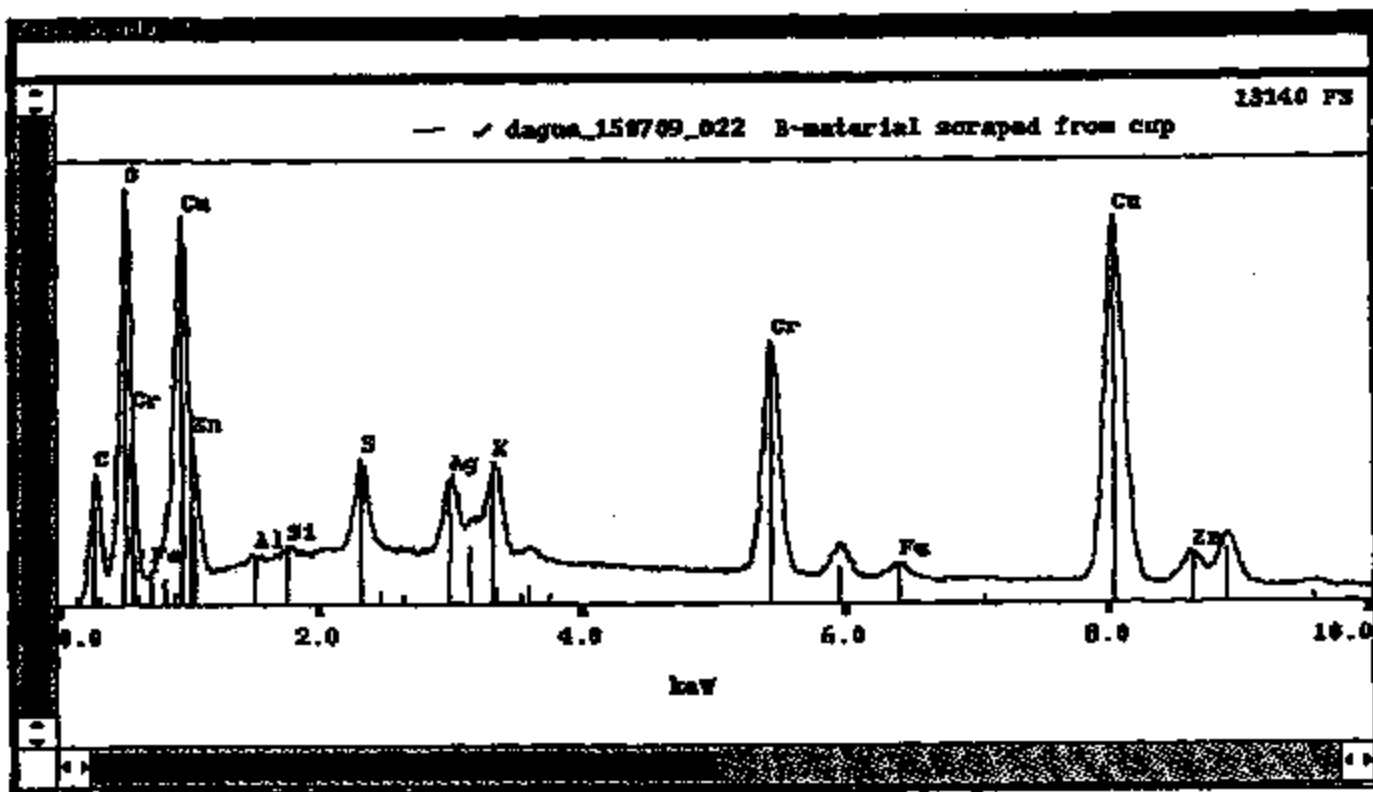


150709 B, material scraped from cup assembly, 50x hne 21

P. 8

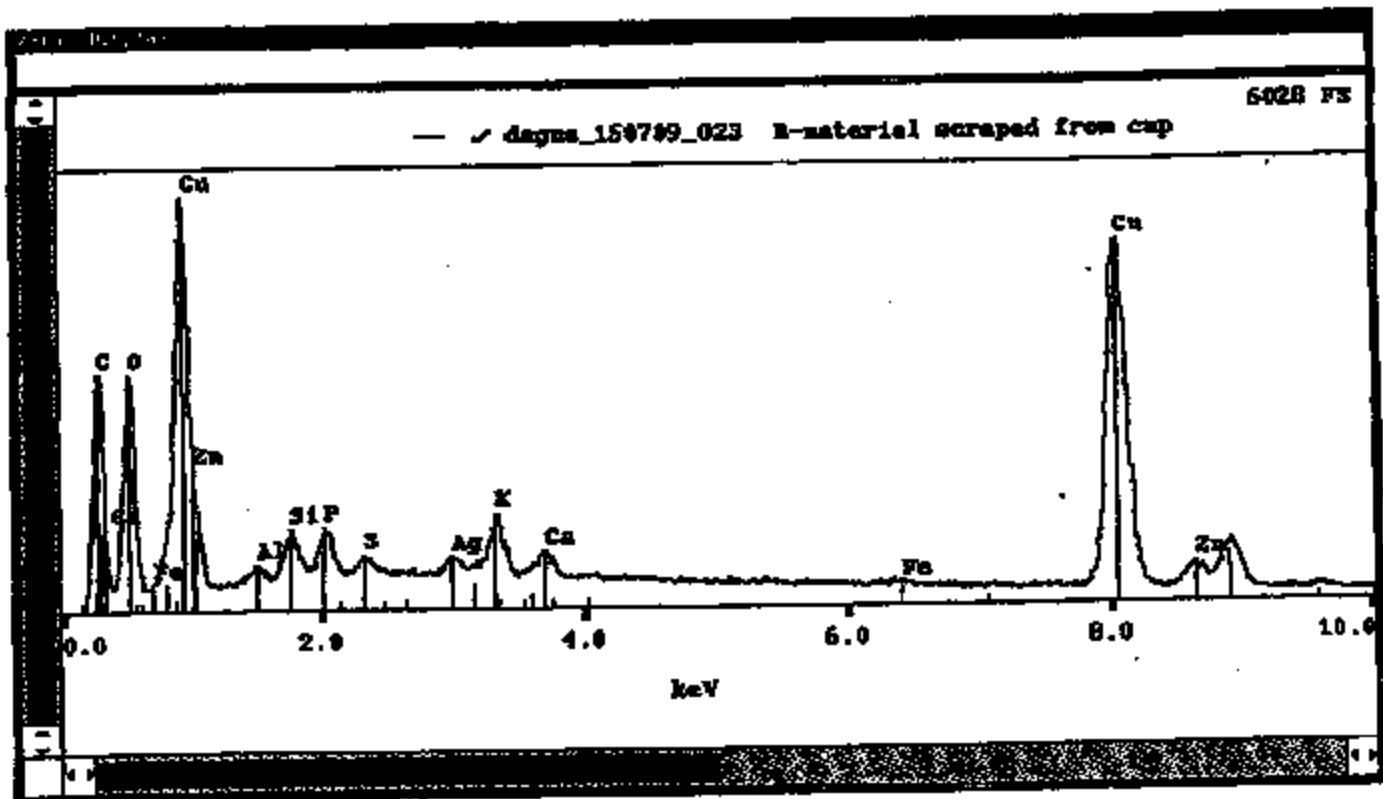
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3.4

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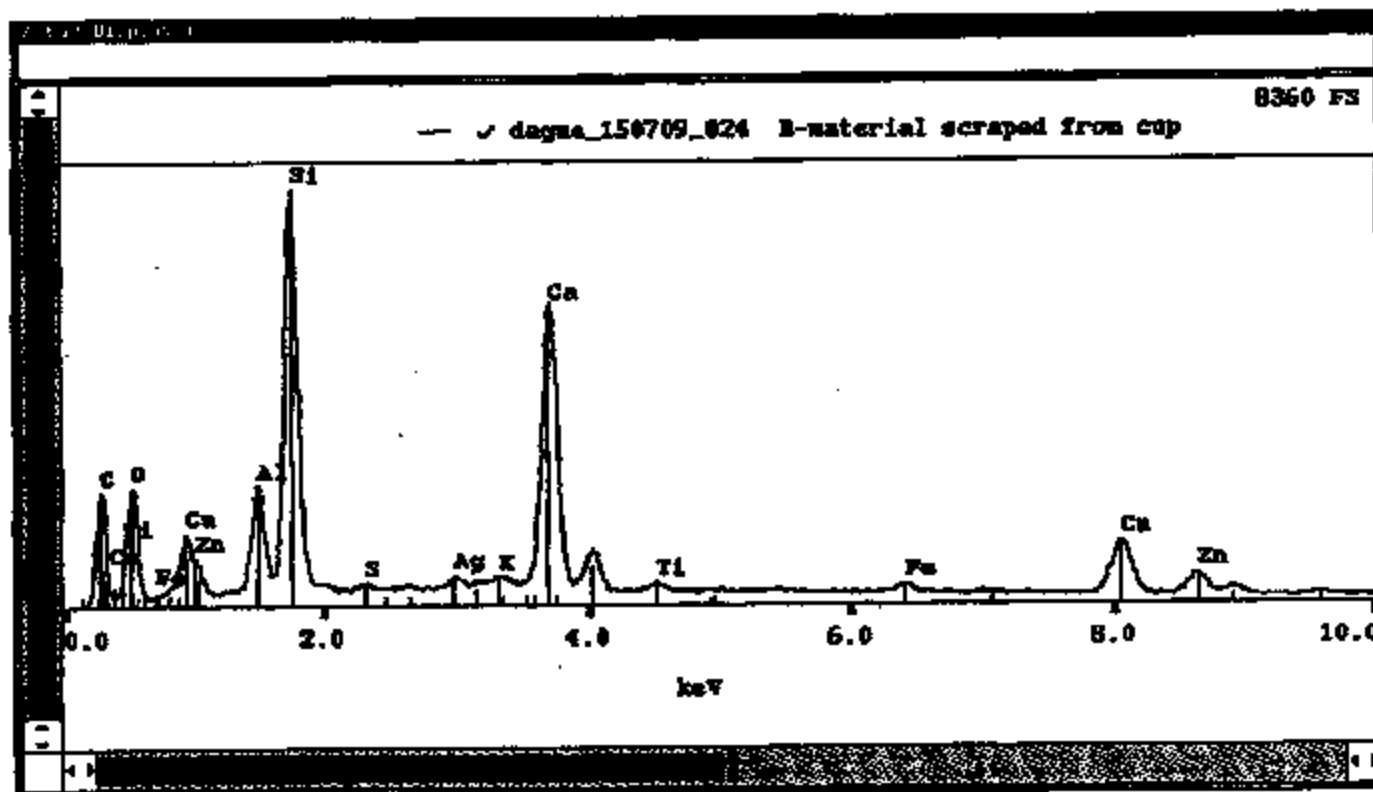


3713 6083

P.10

35

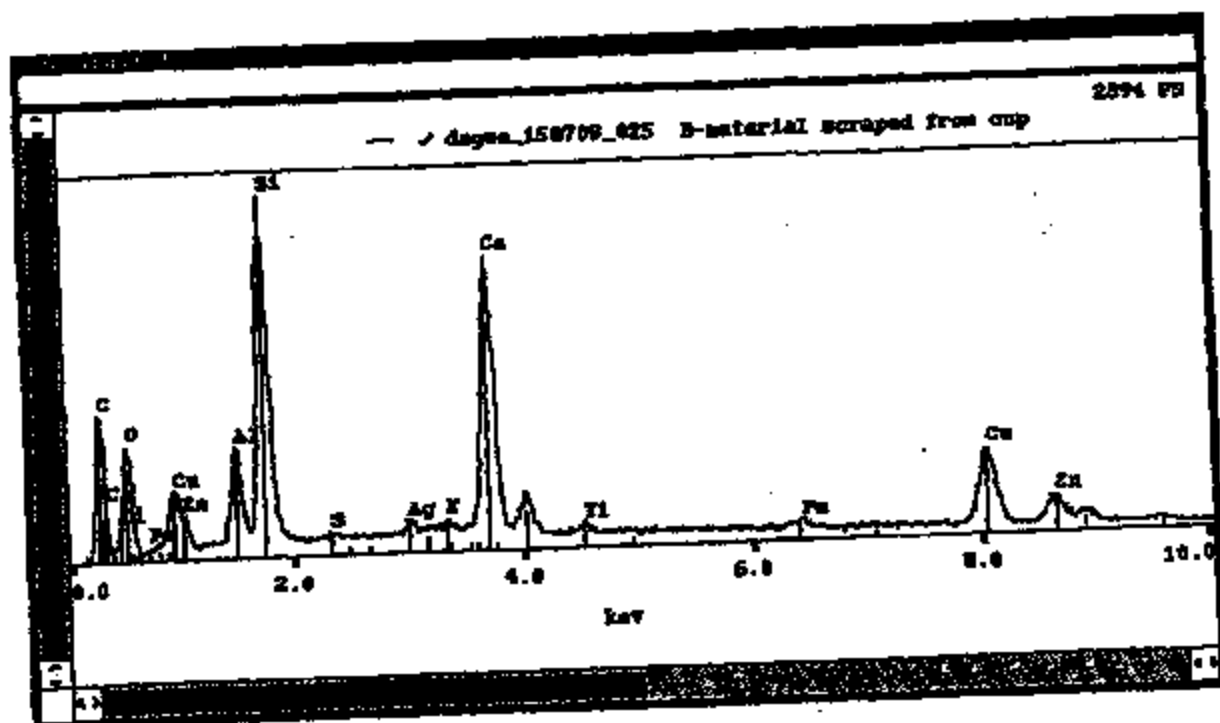
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3713 B094

P. 11

36



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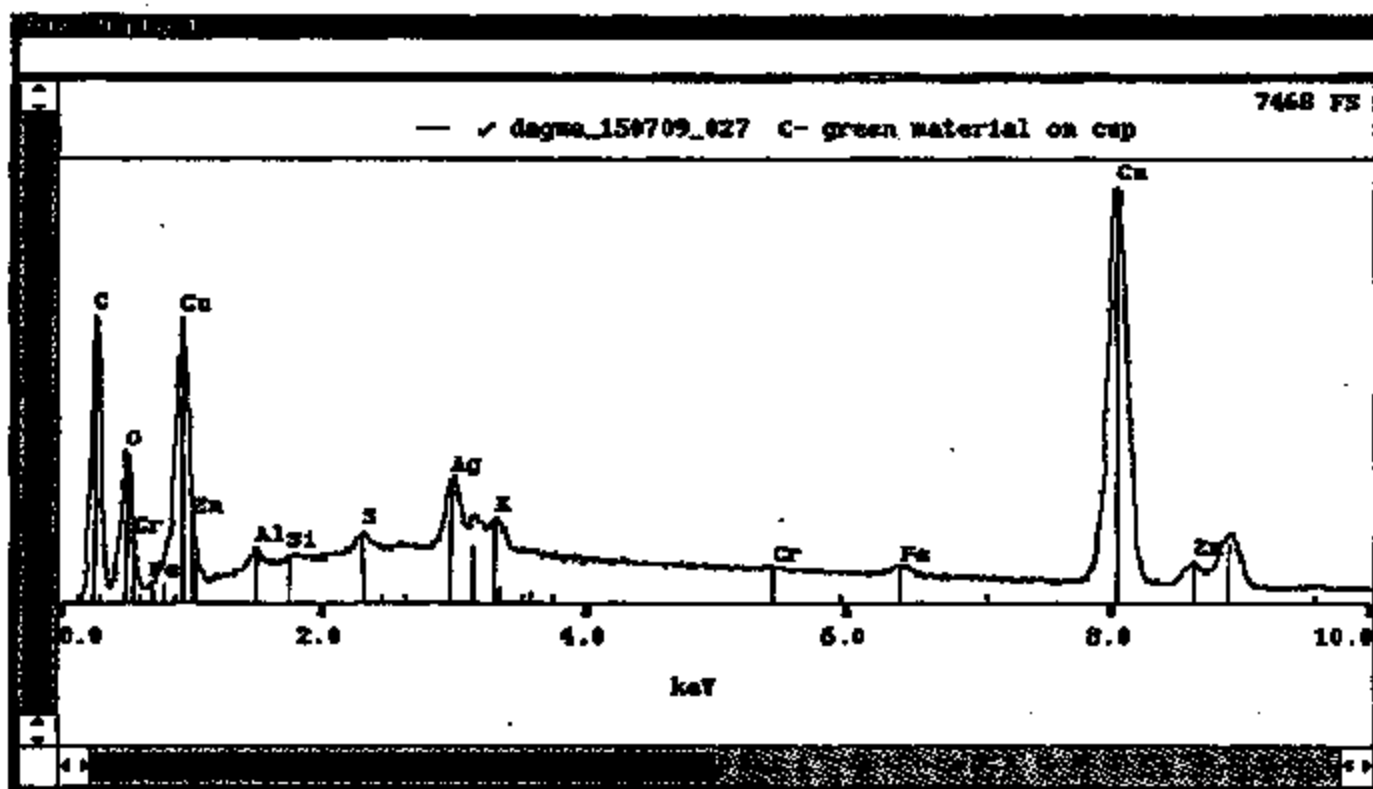


150709 C, green material on cup, 50x bsa 22

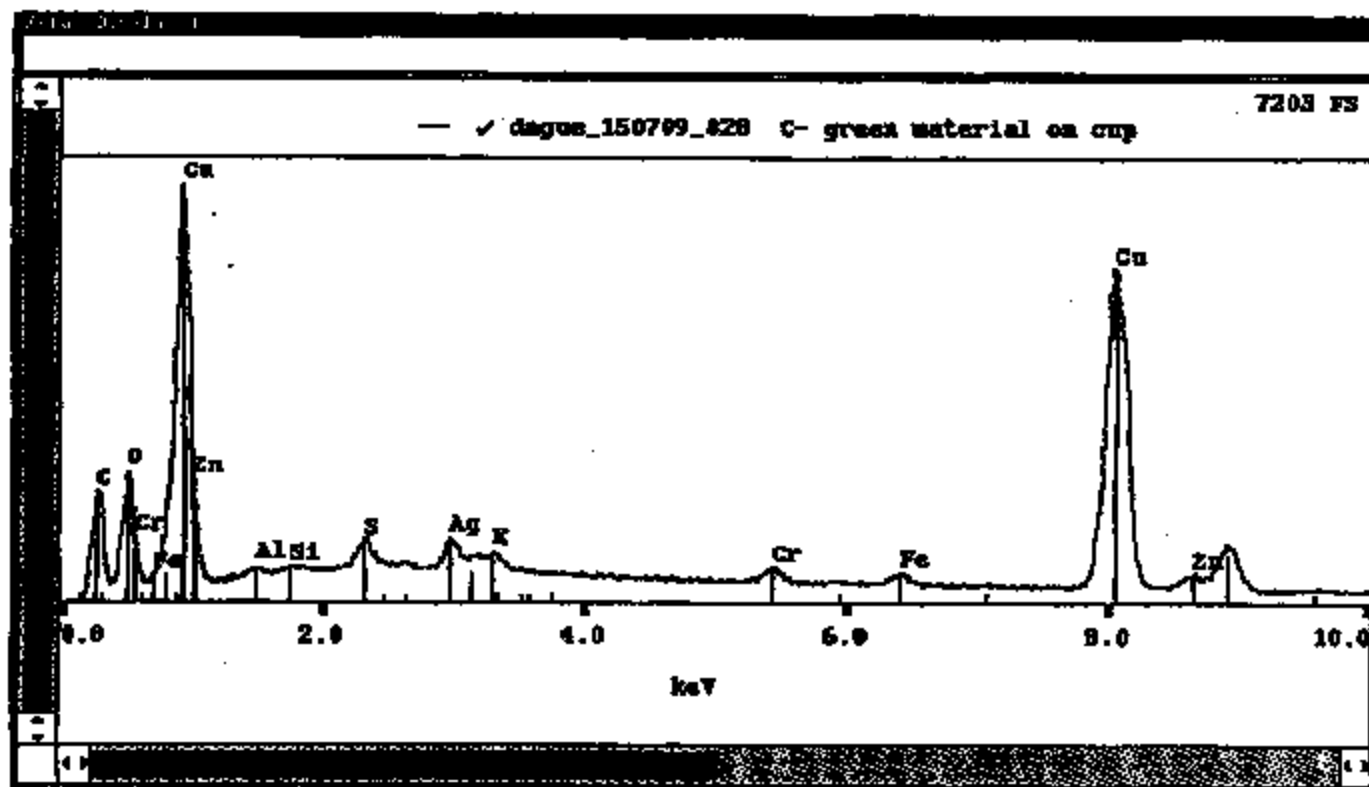
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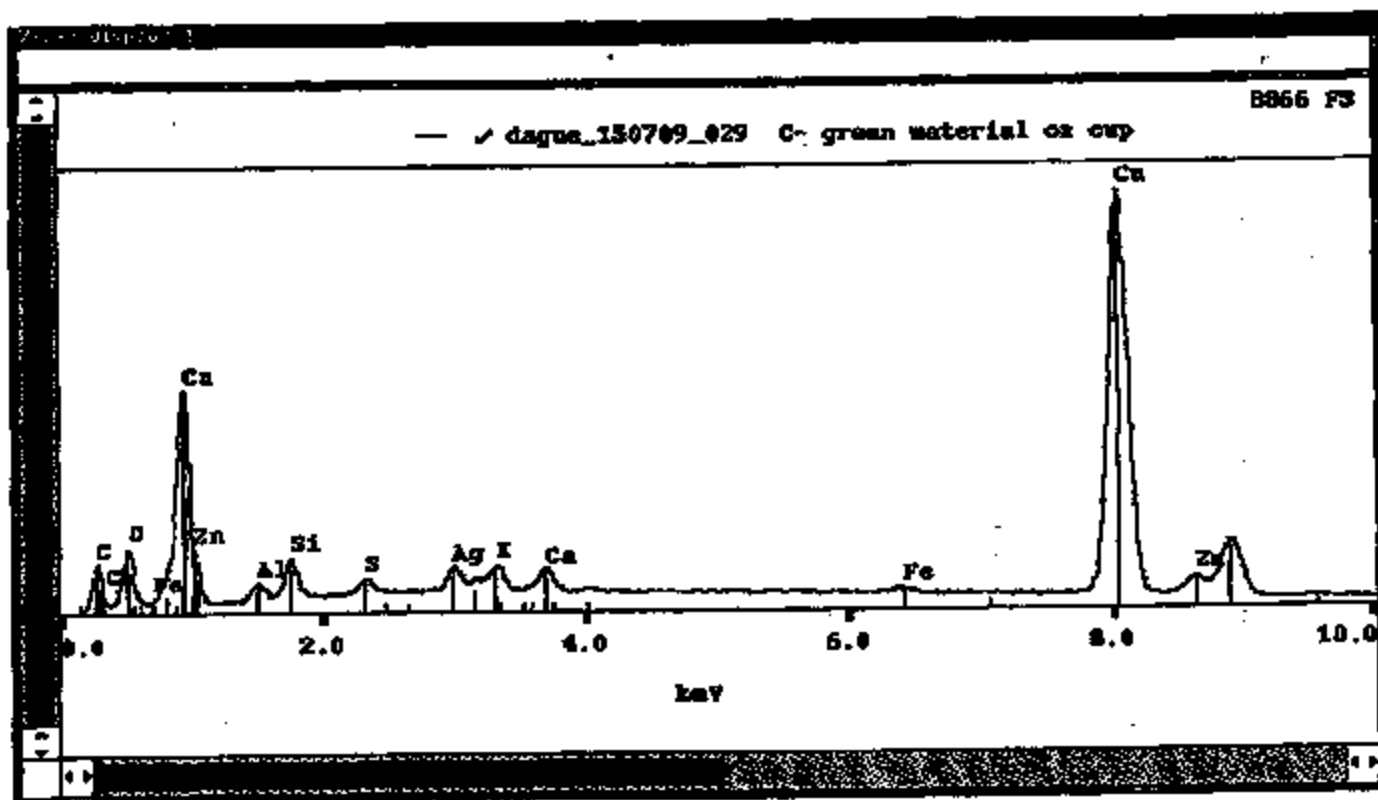
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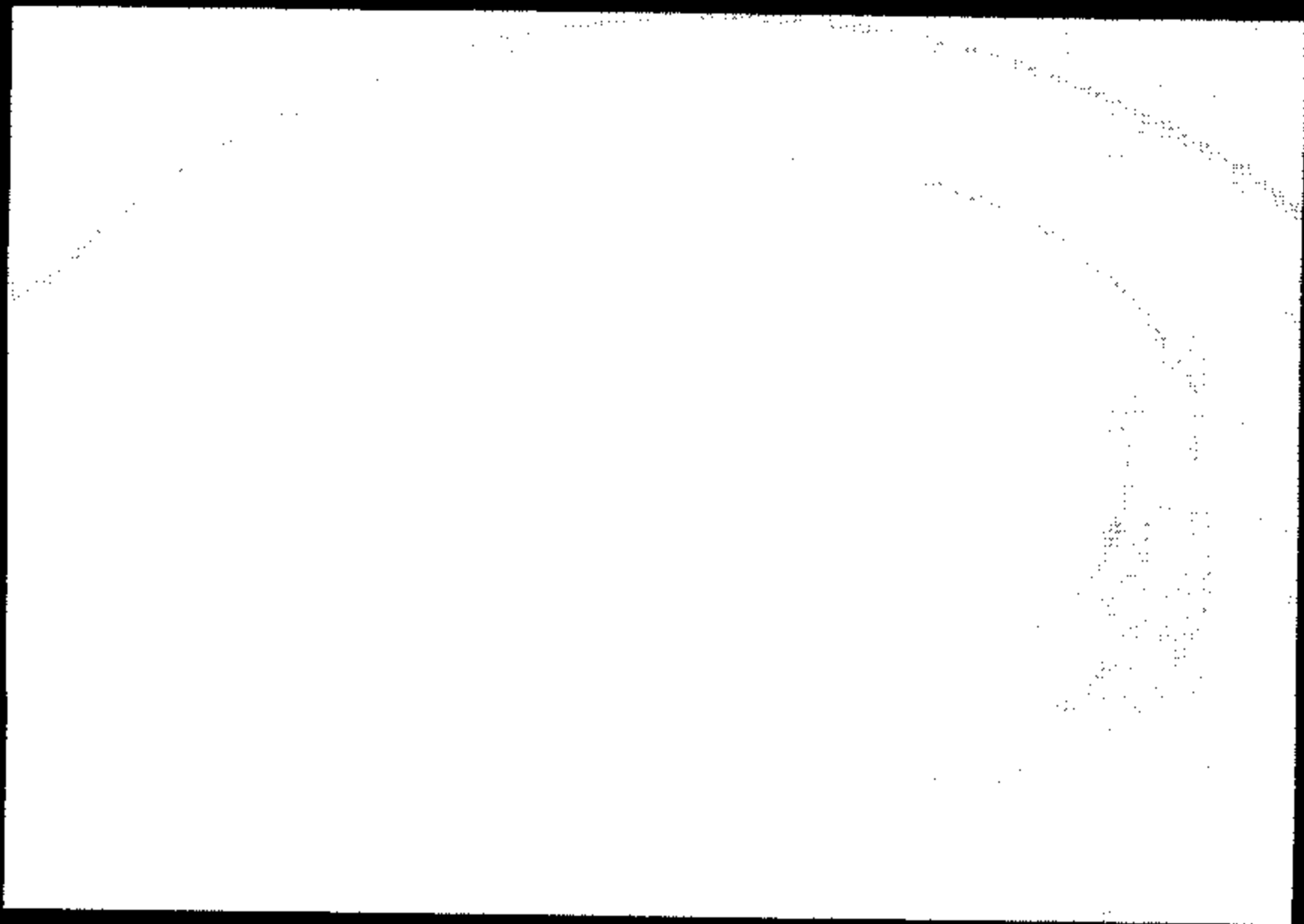


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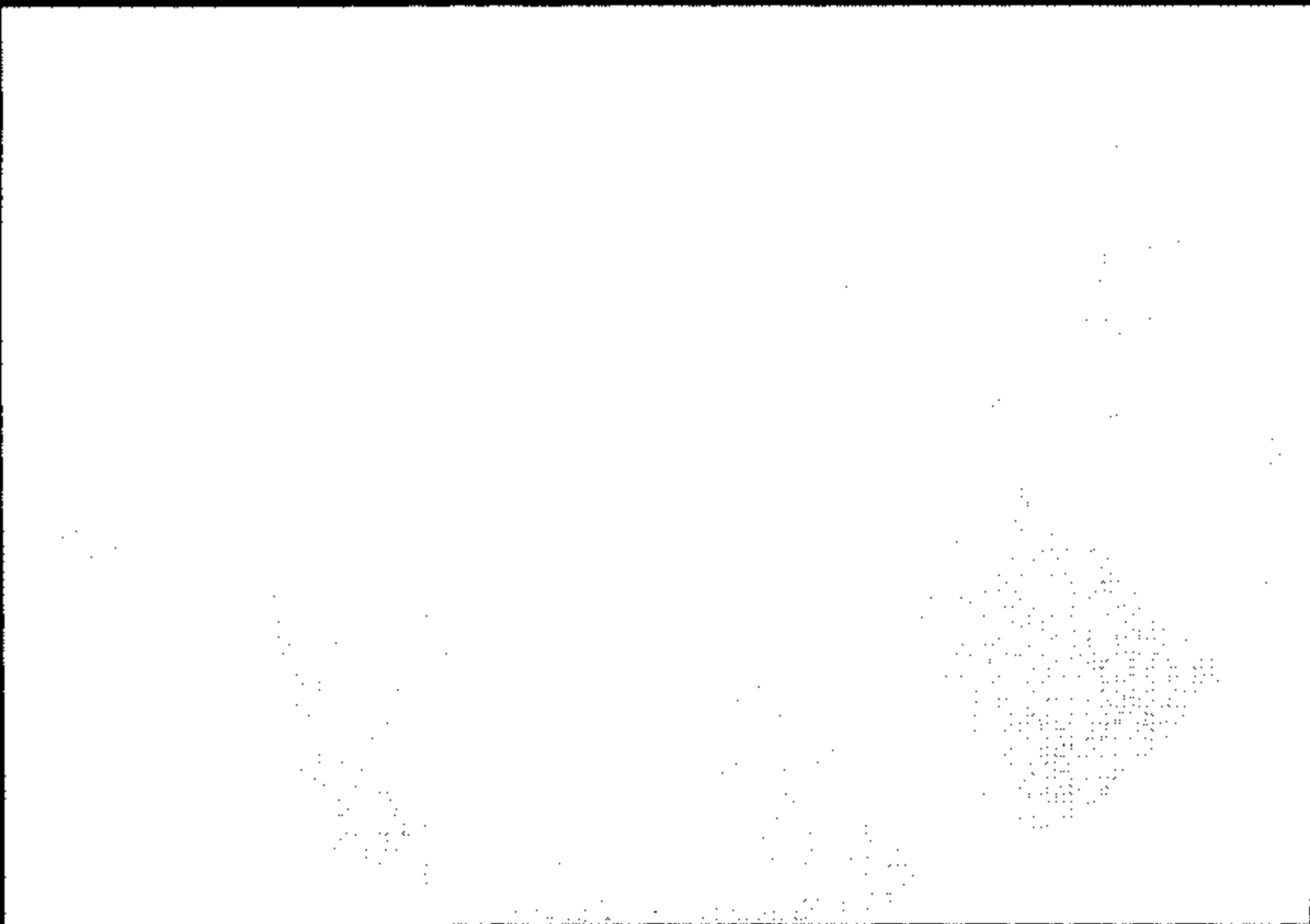


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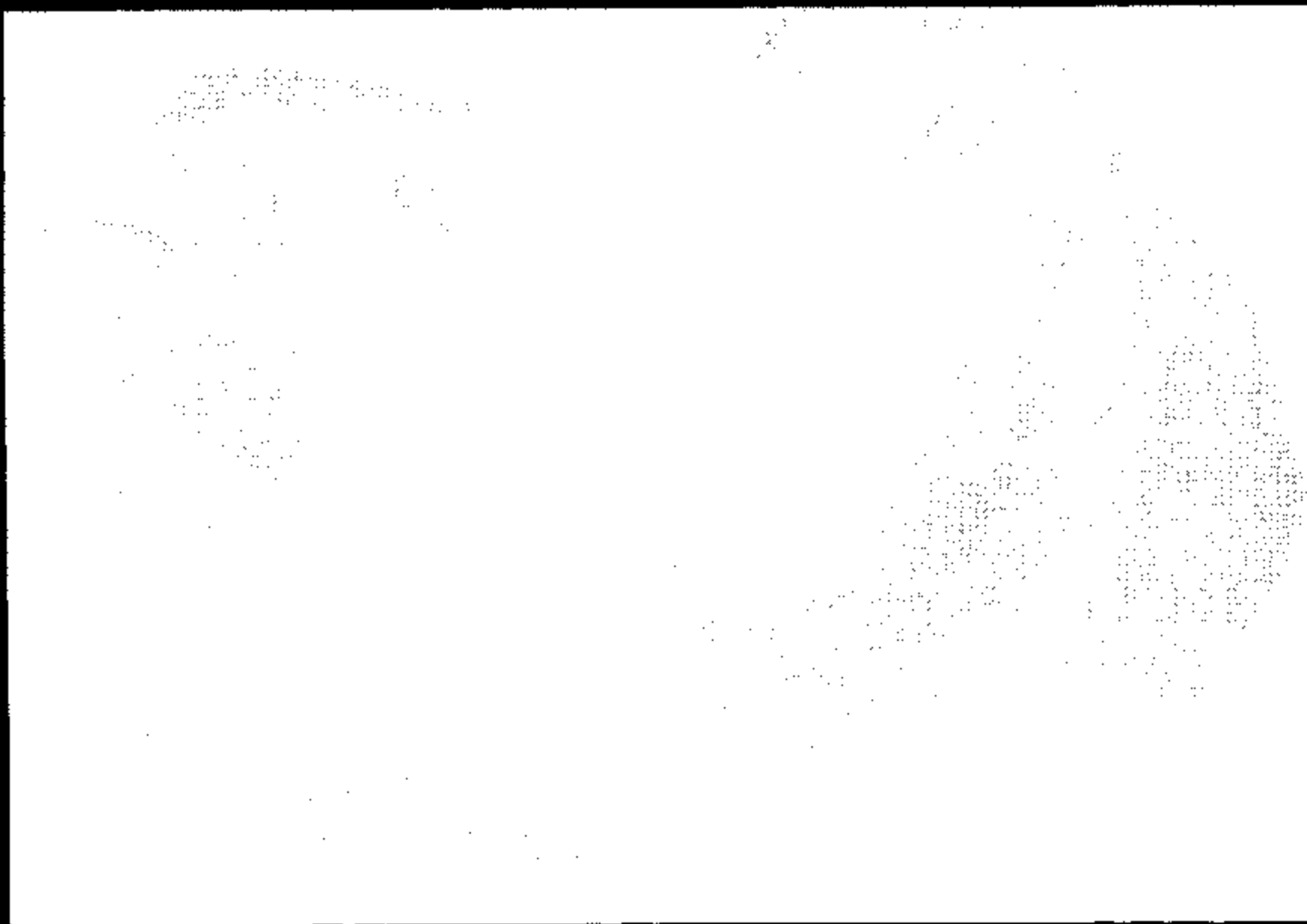
3713 5100

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3713 5101

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9713 5102

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3713 5103

5

THE
FEDERAL
BUREAU
OF
INVESTIGATION
OF
THE
DEPARTMENT
OF
JUSTICE
WASHINGTON, D. C.

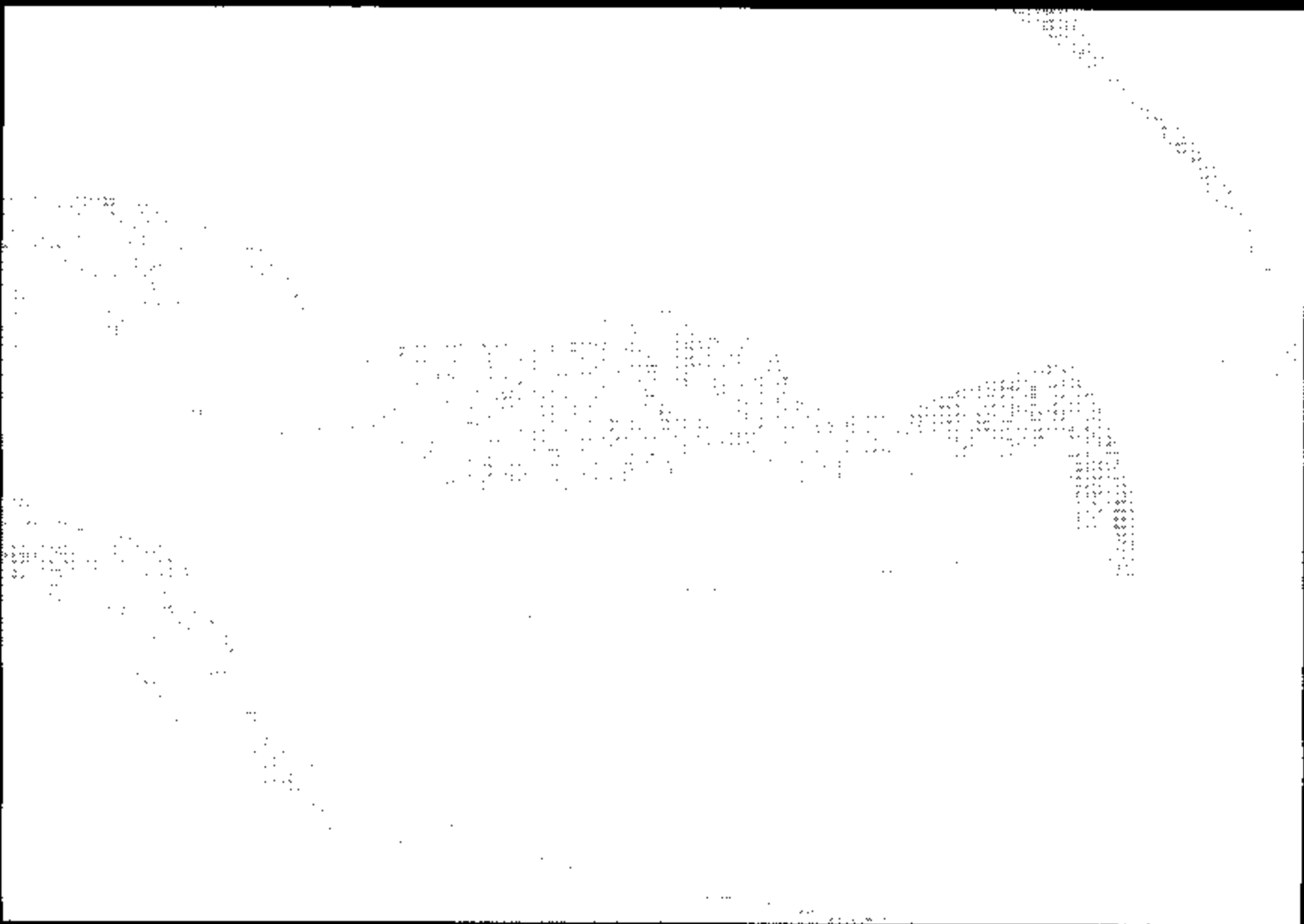
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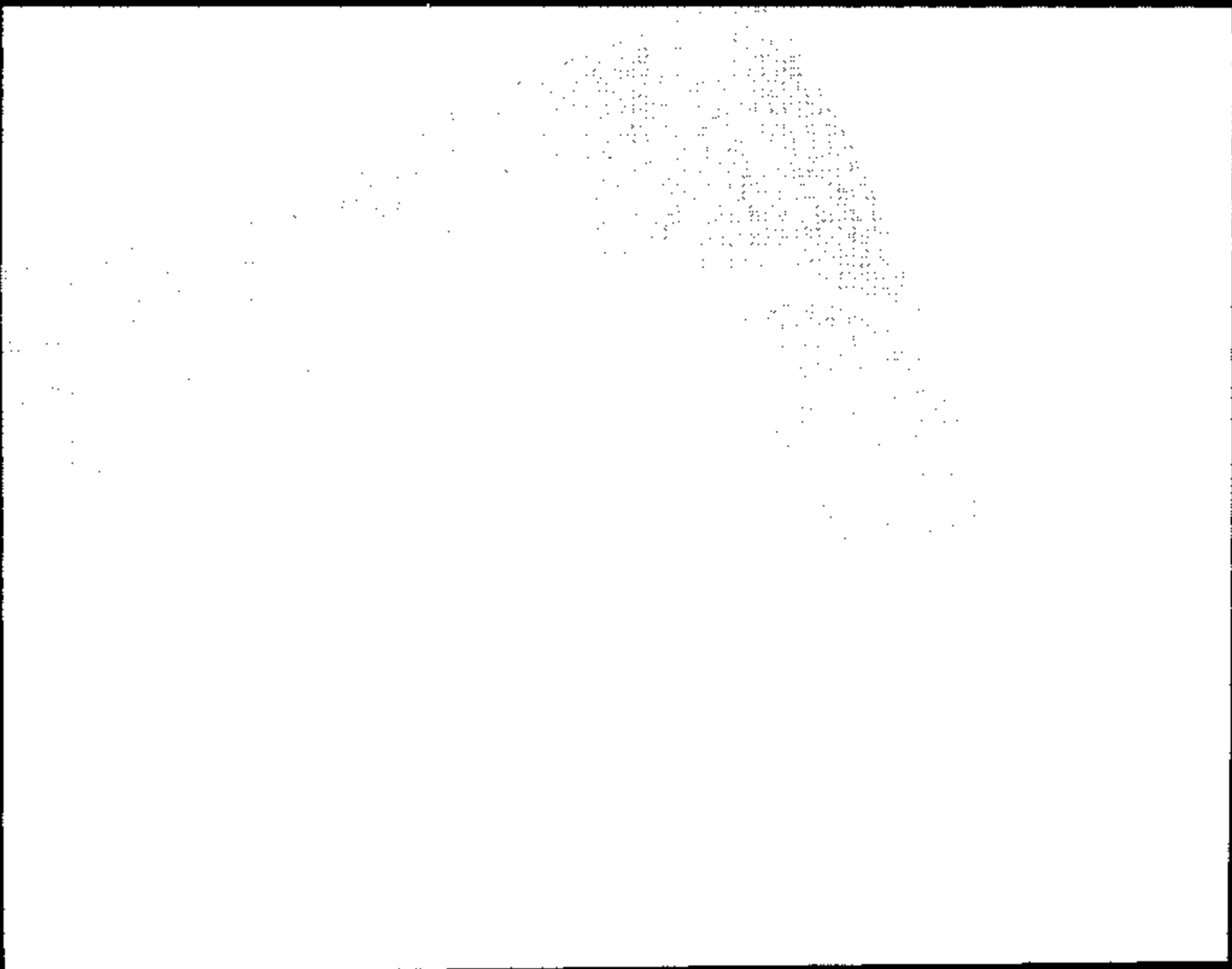


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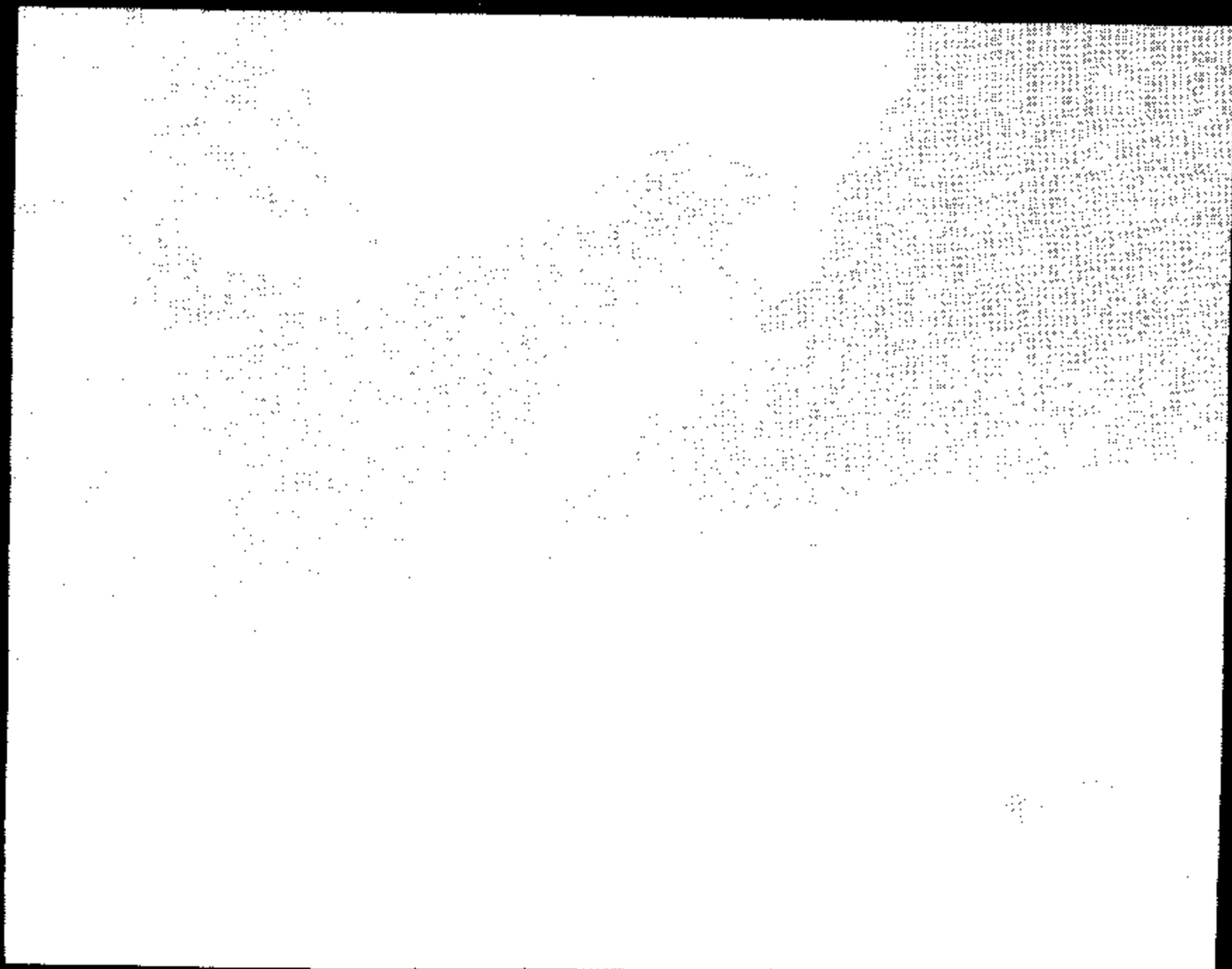
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3713 5108

10



3713 5109

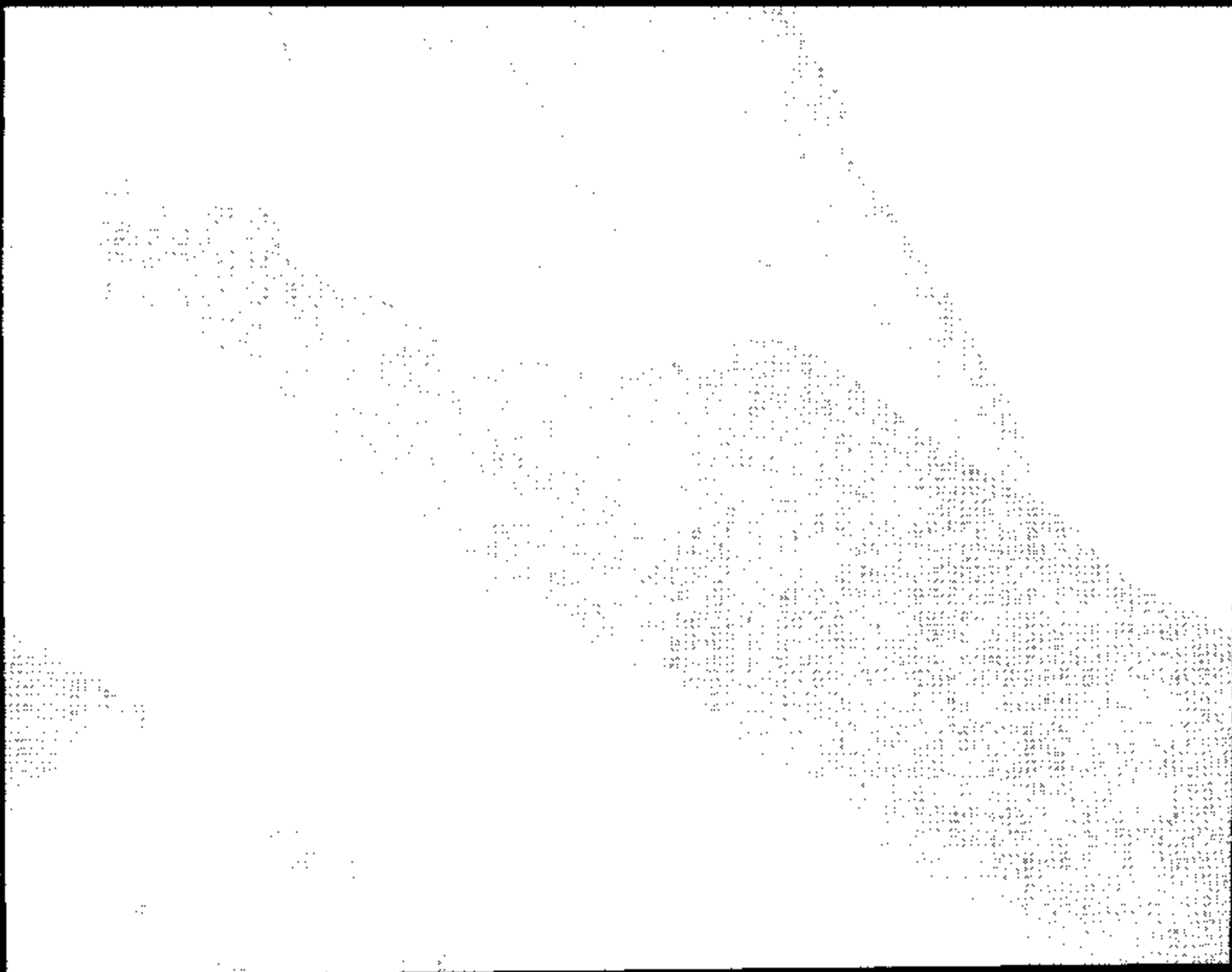
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12

3713 5111

13

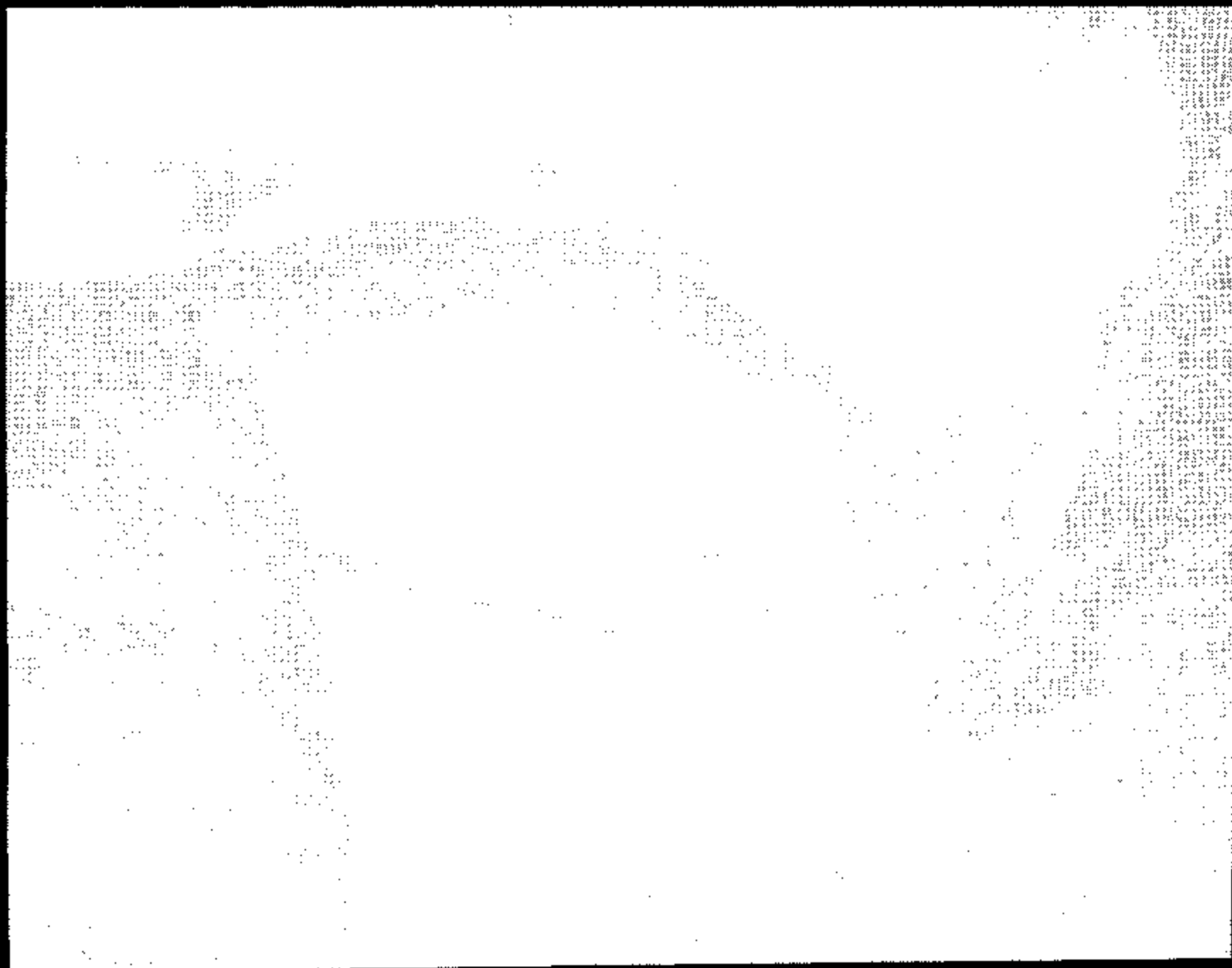


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14

3713 5113

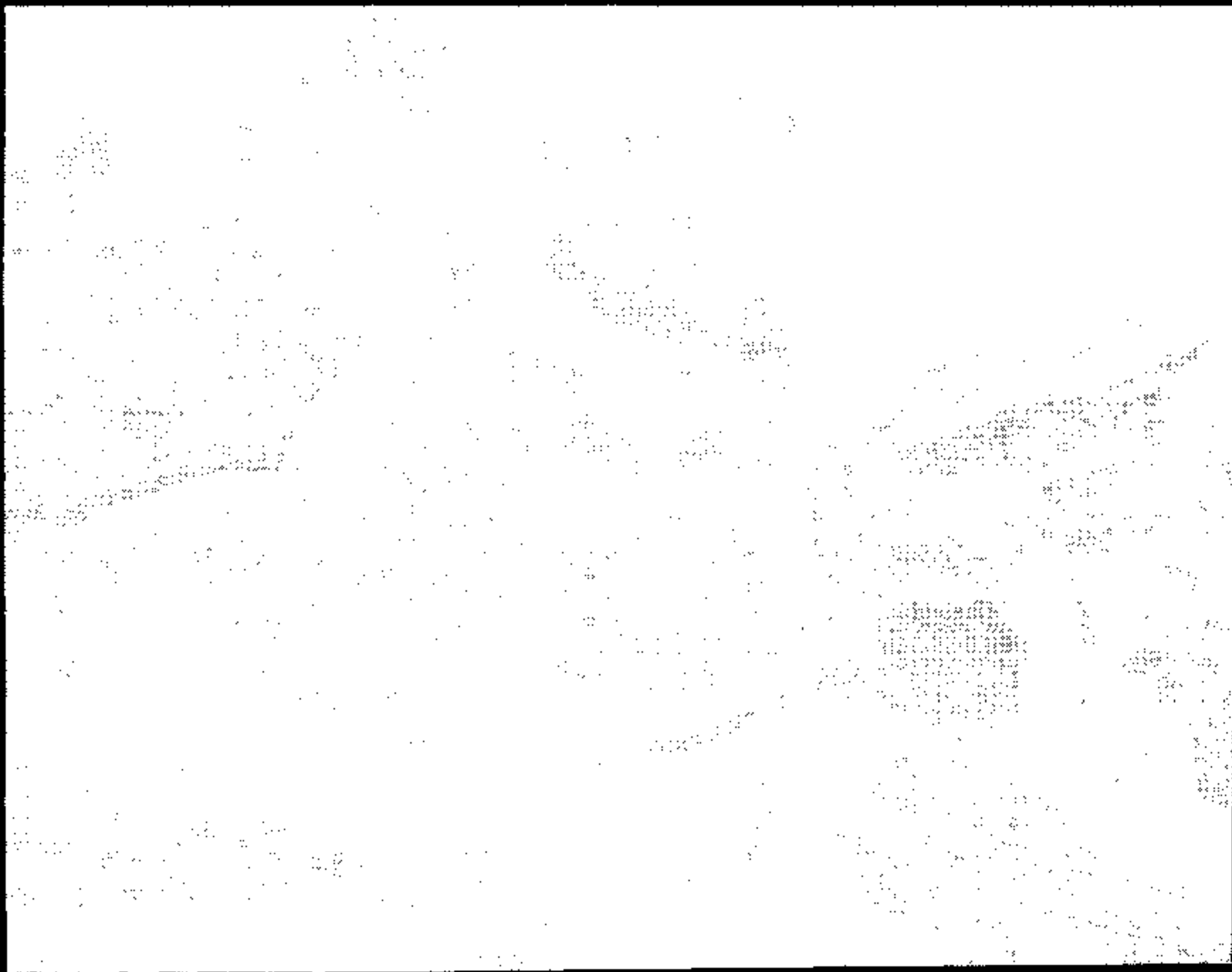
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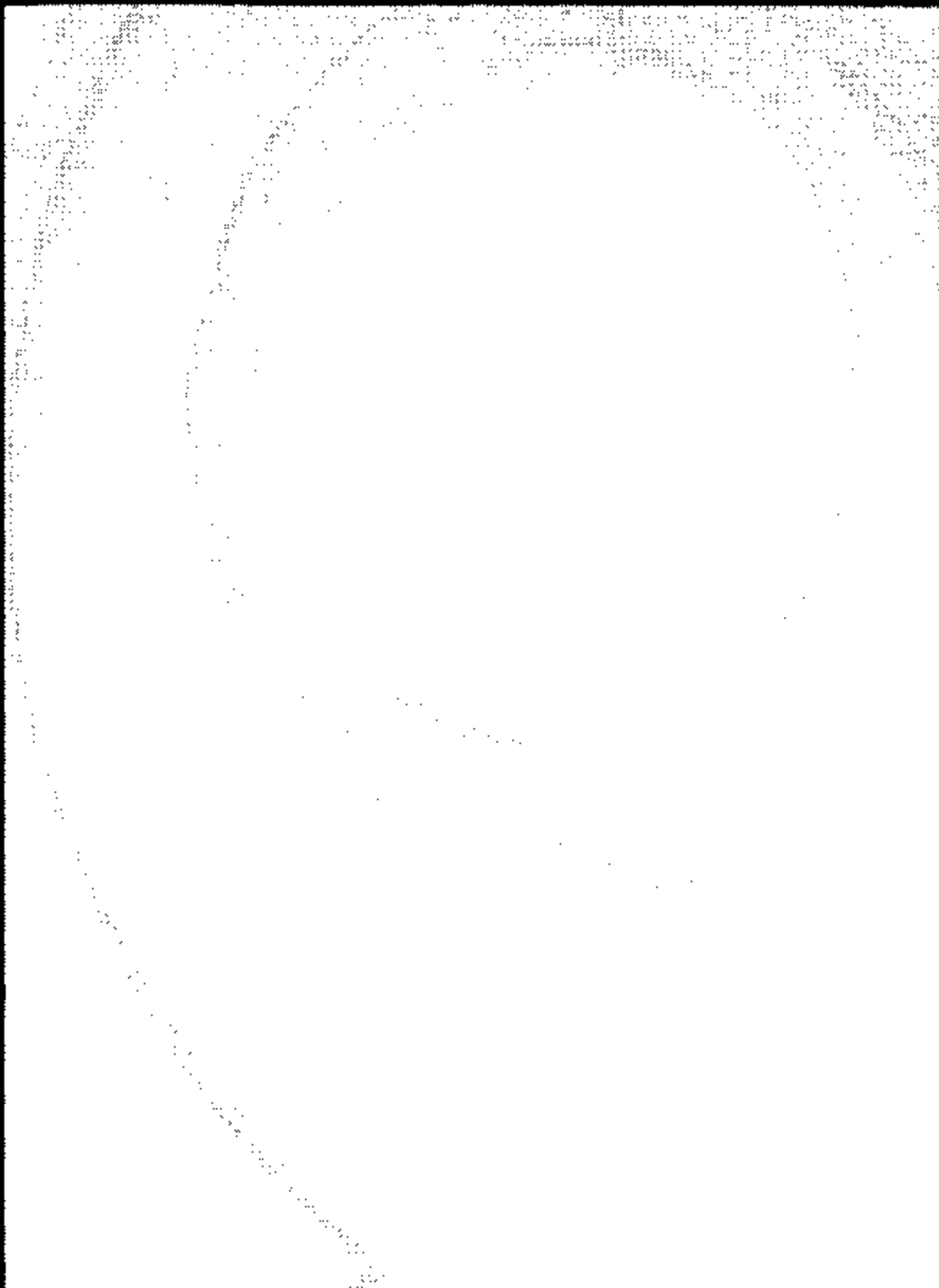
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3713 5116

22

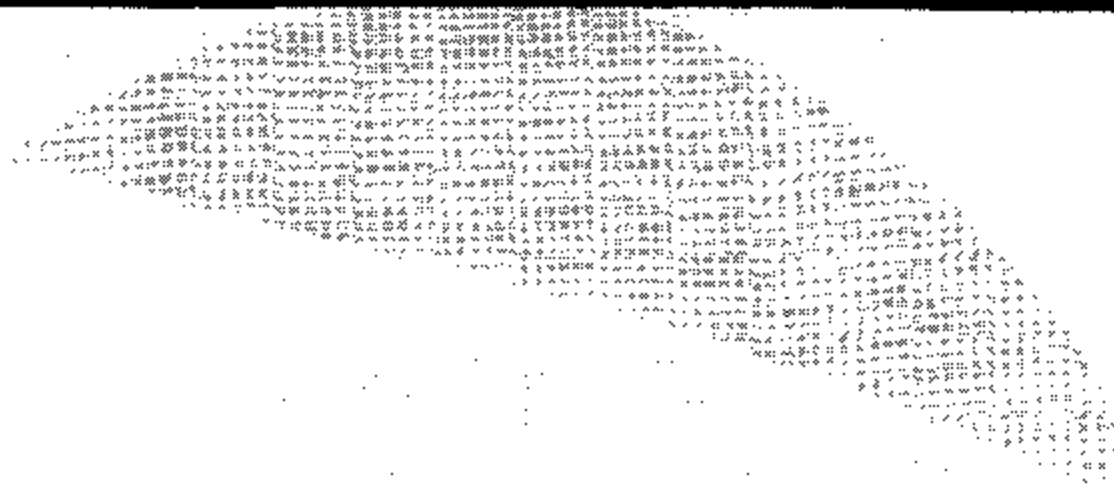
37136117



3713 5118

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10

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22

TOWNCAR / PRESSURE SWITCH

3713 5136

Vehicle/Customer Information

Model Year: Make: VIN#: Mileage:
Build Date: Present Vehicle Location: Who owns vehicle now:
Customer Name: Phone: Is it ok for engineering to contact customer:

Incident Info/Vehicle History

Where did fire originate? (engine compartment quadrant, suspect location, or suspect component(s))

What was the vehicle circumstances when the fire was noticed? Was the vehicle running, parked, engine on/off... if off, how long?

Did customer notice anything unusual prior to fire? (specifically... difficulty getting the vehicle out of park, speed control not working, brake warning lamp illuminated, stop lamp inoperative)

Do any underhood relays show evidence of overheating?

Were the underhood fuse links blown?

Were there any fuses that were blown or show evidence of other damage?

Is the correct fuse for the stop lamp switch in the fuse box?

Was there any damage to any wiring in the area where the fire was suspected to start?

Does the air suspension pump show evidence of overheating?

Was there any aftermarket modifications to the vehicle? (specifically car alarm, trailer tow, or remote start)

Was the vehicle involved in a natural disaster/accident that required significant vehicle clean up? If so where was cleanup performed?

What was vehicle repair history?

Parts that we would like from vehicle if possible to acquire

Brake pressure switch (preferably with wire pigtail/connector attached and still attached to prop valve)

Sample of brake fluid at prop valve (in sealed glass container)

Relay pack located on LH fender apron (with as much wiring as possible)

EDIS 8 module located on LH fender

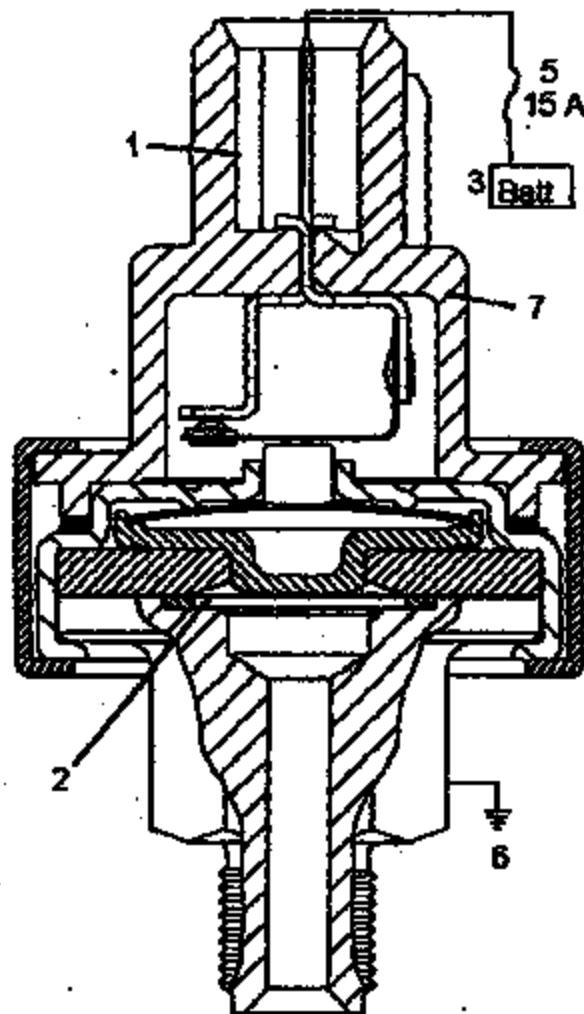
Speed control module located on LH fender

Air suspension compressor located under air filter

Air suspension relay

Other suspect parts

Contributing Factors



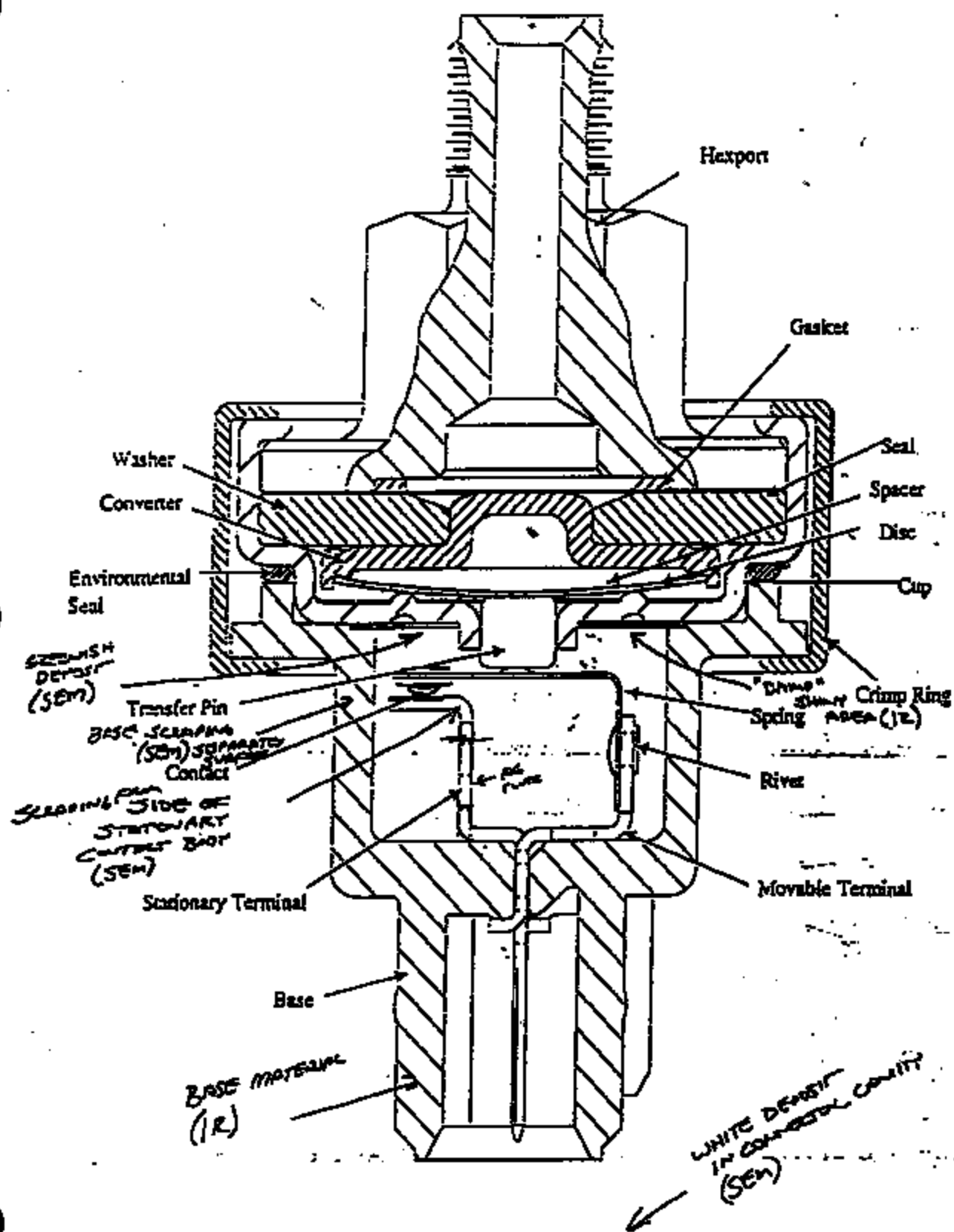
1. Connector Seal
2. Kapton Life
3. Continuous Power
4. Switch Orientation
5. Current Capability
6. Grounded Hex-Port
7. Plastic Parameters

Potential Actions

	Improve connector seal	Re-orient connector	Re-locate switch to brake pedal	Improve kapton diaphragm	Insert in-line fuse with switch	Add power off switch	Re-locate switch to ground side	Re-locate switch to RUN circuit	Insulate switch from prop valve	Use flame retardant plastic
Connector Seal	☐	☐	☒							
Kapton Life			☒	☐						
Continuous Power					☐	☒	☒	☒	☒	
Switch Orientation		☐	☒						☐	
Current Capability					☐	☒	☒		☒	
Grounded Hex-port			☒				☒		☒	
Plastic Parameters										☐

☒ = fixed
☐ = improved

Hydraulic Pressure Switch Cross Section





Central Laboratory
15000 Century Drive
Dearborn, MI 48120-1287

January 16, 1999

Preliminary Findings:

The cup is partially covered with a greenish residue. Residue appears to be primarily an oxide of the brass contact material with possibly a sulfur compound. This suggests transfer of oxide or corrosion product from the brass contacts to the cup.

The stationary contact exhibits intergranular cracks which indicate stress corrosion cracking (SCC). SCC is caused by combination of a specific corrosive environment and a sustained tensile stress (can be localized). Ammonia, ammonia compounds, sulfur compounds, and moisture are known to cause SCC in brass. The contact material has been reported to be 360 brass, which is highly susceptible to SCC.

The presence of brake fluid on the switch side of the diaphragm has been determined. Black residues in the hex port and on the cup, converter, and disc appear to be compounds which may have formed from a reaction between decomposition products (acids) of the polyester base, the brake fluid, and metals in the switch. This suggests that the brake fluid was present on both sides of the diaphragm during the thermal event.

All three diaphragms exhibit what appears to be mechanical damage. The damage does not match up with any mating parts of the switch. This suggests that damage may have occurred prior to assembly. The diaphragm has become brittle and cracked in the vicinity of the damage. Brake fluid has become entrained between the layers (Teflon and capton) of the diaphragm.

The post of the movable contact melted back into the bulkhead between the switch and terminal cavities of the base. There is also arc damage (localized melting) to one corner of the bridge of the stationary contact. This damage appears fresh (surfaces bright and shiny) which suggests that it may have occurred in the later stages of the thermal event.

The terminals exhibit deposits which appear to be primarily sulfur compounds of the terminal material (tin plated brass). Although these deposits appear visually similar to the deposit found on the cup, they appear to be of different composition.

The white residue found in the connector cavity contains elements found in dry chemical fire extinguishers (Muscovite and phosphorus)

Steve LaRouch

1992-93 LINCOLN TOWN CAR UNDERHOOD FIRES

PC98-055

NO.	OWNER NAME	ADDRESS	CITY	STATE	ZIP	TELEPHONE	VIN	MODEL	MODEL YEAR	MODEL	BUILD DATE	SALE DATE	REPORT DATE	REPORT TYPE	MILEAGE	ISSUE REPORTED	POSSIBLE PROBLEM DESCRIPTION
1			Napa	OK	734	734	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	84,563	Fire	Lines locked on substat manifold and caused a fire.
2			Evergreen Park	IL	60111	60111	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	230,348	Fire	Blocked.
3			Stable	IL	60111	60111	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	21,260	Malfunction	Brake lines.
4			Los Angeles	CA	90011	90011	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	27,442	Fire	Brake lines.
5			Orlando	FL	32811	310-543-0181	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	317,385	Fire	Alternator melt-down issue
6			Suburbia	IL	60111	60111	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	13,772	Overheated	Overheated, drive belt broke, A/C broken, burned.
7			Memphis	TN	38111	38111	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	31,550	Fire	Brake lines.
8			FL Landmark	FL	33411	33411	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	58,882	Smoke	Brake pressure switch caught on fire and burned the wiring.
9			San Jose	CA	95111	95111	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	26,827	Malfunction	Overheated, melted wires
10			Peaslee	NY	10811	10811	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	48,714	Overheated	Spark plug wires arched.
11			Tray	OH	43011	43011	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	14,322	Fire	Blocked.
12			Worcester	IL	60111	60111	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	40,058	Overheated	Electrical wiring.
13			Marionville	IL	62411	62411	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	63,508	Fire	Unknown.
14			Englewood	IL	60111	60111	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	11,000	Fire	Unknown.
15			New Orleans	LA	70111	70111	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	6,800	Fire	Unknown.
16			Bay Station	NC	28111	28111	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	23,811	Fire	Unknown.
17			Pittsburgh	PA	15211	15211	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	12,988	Fire	Wiring harness.
18			Peaslee	NY	10811	10811	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	28,888	Fire	Unknown.
19			Northridge	FL	33411	33411	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	48,000	Fire	Unknown.
20			Lafayette	FL	33411	33411	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	48,888	Fire	Unknown.
21			San Diego	LA	92111	92111	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	44,000	Fire	Unknown.
22			Washington	IL	60111	60111	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	48,000	Fire	Unknown.
23			Jackson	MS	39211	39211	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	48,888	Fire	Unknown.
24			St. Petersburg	LA	70111	70111	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	48,888	Fire	Unknown.
25			Port St. Lucie	FL	34911	34911	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	61,888	Fire	Unknown.
26			San Jose	CA	95111	95111	1LNLM81W7W	1992	1992	1992	02/12/92	02/12/92	02/12/92	COB/	1	Fire	Unknown.

1992-93 LINCOLN TOWN CAR
UNDERHOOD FIRES

PE93-055

NO.	NAME	CITY	STATE	ZIP	TELEPHONE	VIN	MODEL	YEAR	MODEL	DATE	SALE DATE	REPORT DATE	REPORT TYPE	MILEAGE	ISSUE REPORTED	POSSIBLE PROBLEM DESCRIPTION
27		Baytown	TX			1LHLM2W10000	Town Car	1992	1008/91	0903/92	0917/94	MORS	37,000	Fire	Unknown.	
28		Severy Hills	CA			1LHLM2W10000	Town Car	1992	03/19/92	09/12/92	09/14/93	MORS	125	Fire	Unknown.	
29		Alhambra	CA			1LHLM2W10000	Town Car	1992	03/11/91	11/14/91	01/12/93	MORS	18,000	Fire	Unknown.	
30		Chattanooga	TX			1LHLM2W10000	Town Car	1992	03/14/92	07/04/92	04/20/97	MORS	99,808	Fire	Unknown.	
31		Hopkins	FL			1LHLM2W10000	Town Car	1992	08/03/92	08/15/92	12/23/96	MORS	51,000	Fire	Engine compartment, gas lines.	
32		Reynolds	GA			1LHLM2W10000	Town Car	1992	03/28/92	04/10/92	09/28/93	MORS	26,000	Fire	Unknown.	
33		Villanova	IL			1LHLM2W10000	Town Car	1992	07/28/92	08/17/92	10/12/96	MORS	58,212	Fire	Brakes.	
34		Bayville	NV			1LHLM2W10000	Town Car	1992	03/20/92	04/10/92	07/28/93	MORS	11,990	Fire	Brakes.	
35		Croft	TX			1LHLM2W10000	Town Car	1992	06/04/92	08/20/92	12/29/97	MORS	72,500	Fire	Unknown.	
36		Village	TX			1LHLM2W10000	Town Car	1992	05/25/92	05/22/92	08/01/97	MORS	94,000	Fire	Fire started above the bed from the.	
37		Concord	NY			1LHLM2W10000	Town Car	1992	03/18/92	07/01/92	08/28/96	MORS	1	Fire	Engine compartment.	
38		Greenwood	MO			1LHLM2W10000	Town Car	1992	08/25/92	08/14/92	05/04/94	MORS	87,884	Fire	Valve lifter in engine compartment.	
39		Hollywood	FL			1LHLM2W10000	Town Car	1992	03/27/92	10/20/92	03/28/94	MORS	47,800	Fire	Motor.	
40		Goodman	TX			1LHLM2W10000	Town Car	1992	03/25/92	05/21/92	12/8/96	MORS	129,900	Fire	Under the hood - catalytic, pressure washer for the A/C.	
41		Farmersville	FL			1LHLM2W10000	Town Car	1992	03/18/92	04/18/92	08/08/96	MORS	1	Fire	Unknown.	
42		E. Antwerp	NY			1LHLM2W10000	Town Car	1992	10/21/92	03/17/93	08/21/97	MORS	99,990	Fire	Under the hood.	
43		Villabridge	NC			Unknown	Unknown	1993	Unknown	Unknown	Unknown	MORS	86,800	Fire	Under the hood.	
44		Idaho	FL			1LHLM2W10000	Town Car	1992	11/7/92	12/05/92	01/23/97	MORS	48,880	Fire	Under the car.	
45		Bay Ridge	FL			1LHLM2W10000	Town Car	1992	07/23/92	08/14/92	12/23/97	MORS	47,800	Fire	Under the engine.	
46		Forest Hills	NY			1LHLM2W10000	Town Car	1992	12/04/91	12/24/91	03/15/96	MORS	1	Fire	Electrical short.	
47		Chandler	KS			1LHLM2W10000	Town Car	1992	08/22/91	09/18/91	05/20/97	MORS	88,000	Fire	Front suspension.	
48		Lebanon	OH			1LHLM2W10000	Town Car	1992	04/14/93	08/01/93	11/01/94	MORS	100,900	Fire	Ignition or electrical system.	
49		Evans	GA			1LHLM2W10000	Town Car	1992	03/21/92	03/10/92	09/28/96	MORS	82,837	Fire	Unknown.	
50		Kansas City	MO			1LHLM2W10000	Town Car	1992	04/03/92	08/19/92	10/08/96	MORS	72,808	Fire	Electrical system.	
51		Houston	TX			1LHLM2W10000	Town Car	1992	02/27/91	11/03/91	04/28/96	MORS	65,000	Fire	Electrical.	
52		Lee's Summit	MO			1LHLM2W10000	Town Car	1992	10/23/91	10/14/91	08/02/96	MORS	71,000	Fire	Waste system smelt.	

3713 5148

1992-93 LINCOLN TOWN CAR
UNDERHOOD FIRES

PE98-255

NO.	OWNER NAME	ADDRESS	CITY	STATE	ZIP CODE	TELEPHONE NUMBER	VIN	YEAR	MODEL	BUILD DATE	SALE DATE	REPORT DATE	REPORT TYPE	MILEAGE	ISSUE REPORTED	POSSIBLE PROBLEM DESCRIPTION
53			Indian Beach	FL			114L857489	1992	Town Car	02/15/92	04/14/92	03/08/92	MORS	75,000	Fire	Electrical
54			Arroyo	LA			114L857489	1992	Town Car	08/28/92	08/11/92	08/15/92	MORS/VOQ	88,700	Fire	Unknown
55			Edgell	LA			114L857489	1992	Town Car	08/16/92	08/02/92	12/02/92	MORS/VOQ	80,000	Fire	Electrical short
56			West Palm Beach	FL			114L857489	1992	Town Car	04/23/92	08/11/92	08/14/92	MORS	75,800	Fire	Electrical
57			Baytown	TX			114L857489	1992	Town Car	03/18/92	04/04/92	08/08/92	MORS/VOQ	87,800	Fire	Electrical system
58			Irwin	TX			114L857489	1992	Town Car	08/08/92	08/01/92	08/09/92	MORS	83,800	Fire	Engine
59			San Antonio	TX			114L857489	1992	Town Car	12/11/91	04/03/92	08/18/92	MORS	100,000	Fire	Unknown
60			Wichita Park	IL			114L857489	1992	Town Car	02/05/92	04/30/92	08/26/92	MORS	85,800	Fire	Left front tire
61			San Antonio	TX			114L857489	1992	Town Car	08/08/92	11/03/92	01/08/93	MORS	88,000	Fire	Unknown
62			Channahon	IL			114L857489	1992	Town Car	08/28/92	08/28/92	08/02/92	MORS	35,000	Fire	Unknown
63			Cocoa Beach	FL			114L857489	1992	Town Car	08/16/92	08/08/92	08/18/92	MORS/VOQ	70,500	Fire	Left front wheel area
64			Dallas	TX			114L857489	1992	Town Car	04/02/92	04/02/92	04/08/92	MORS	60,000	Fire	Engine
65			Leesburg	VA			114L857489	1992	Town Car	04/27/92	05/13/92	04/29/92	MORS	111,500	Fire	Unknown
66			San Antonio	TX			114L857489	1992	Town Car	04/14/92	08/01/92	03/17/93	MORS	108,000	Fire	Under the hood
67			London	OK			114L857489	1992	Town Car	08/08/91	11/08/91	08/18/92	MORS	78,000	Fire	Unknown
68			Amesbury	MA			114L857489	1992	Unknown	Unknown	Unknown	02/12/92	MORS		Fire	Under the hood
69			Johnson	MA			114L857489	1992	Town Car	08/08/92	08/08/92	04/11/93	MORS	87,000	Fire	Electrical short
70			Metairie	LA			114L857489	1992	Town Car	07/04/92	08/04/92	08/04/92	MORS	80,000	Fire	Brake line
71			Mount Holly	NC			114L857489	1992	Town Car	10/02/92	12/02/92	08/02/92	MORS	88,800	Fire	Electrical
72			Wheat Columbia	SC			114L857489	1992	Unknown	Unknown	Unknown	03/08/94	ACRS	9,000	Stalled	Stalled
73			Conover	GA			114L857489	1992	Town Car	03/02/92	03/11/92	04/21/92	MORS	84,000	Fire	Catalytic converter
74			Durham	OK			114L857489	1992	Town Car	03/11/92	03/08/92	07/02/92	MORS/VOQ	105,800	Fire	Spark plug wires
75			West Beach	FL			114L857489	1992	Orion	04/08/92	03/06/92	03/11/92	COES	90,000	Fire	Distributor switch
76			Unknown	MA			114L857489	1992	Town Car	11/08/91	11/07/91	04/08/92	VOQ	Unknown	Fire	Unknown
77			Unknown	MA			114L857489	1992	Town Car	03/08/92	04/02/92	Unknown	VOQ	Unknown	Fire	Unknown
78			Unknown	MA			114L857489	1992	Town Car	03/11/92	04/02/92	Unknown	VOQ	Unknown	Fire	Unknown

PEER-REVIEW

NO.	OWNER NAME	ADDRESS	CITY	STATE	ZIP CODE	TELEPHONE NUMBER	VIN	MODEL YEAR	MODEL	BUILD DATE	SALE DATE	REPORT DATE	REPORT TYPE	MILEAGE	ISSUE REPORTED	POSSIBLE PROBLEM DESCRIPTION
70	Unknown	Unknown	Unknown	MA	MA	Unknown	1J4LM2P000	1982	Team Car	04/07/82	08/23/82	Unknown	VOG	Unknown	Fire	Unknown.
71	Unknown	Unknown	Unknown	MA	MA	Unknown	1J4LM2P000	1982	Team Car	04/06/82	03/16/82	Unknown	VOG	Unknown	Fire	Unknown.
72	Unknown	Unknown	Unknown	MA	MA	Unknown	1J4LM2P000	1982	Team Car	01/07/82	04/21/82	Unknown	VOG	Unknown	Fire	Unknown.
73	Unknown	Unknown	Unknown	MA	MA	Unknown	1J4LM2P000	1982	Team Car	04/23/82	06/13/82	Unknown	VOG	Unknown	Fire	Unknown.
74	Unknown	Unknown	Unknown	MA	MA	Unknown	1J4LM2P000	1982	Team Car	03/10/82	04/23/82	Unknown	VOG	Unknown	Fire	Unknown.
75	Unknown	Unknown	Unknown	MA	MA	Unknown	1J4LM2P000	1982	Team Car	06/15/82	07/18/82	Unknown	VOG	Unknown	Fire	Unknown.
76	Unknown	Unknown	Unknown	MA	MA	Unknown	1J4LM2P000	1982	Team Car	04/28/81	04/28/81	Unknown	VOG	Unknown	Fire	Unknown.
77	Unknown	Unknown	Unknown	MA	MA	Unknown	1J4LM2P000	1982	Team Car	04/20/82	08/15/82	Unknown	VOG	Unknown	Fire	Unknown.
78	Unknown	Unknown	Unknown	MA	MA	Unknown	1J4LM2P000	1982	Team Car	04/20/82	08/15/82	Unknown	VOG	Unknown	Fire	Unknown.
79	Unknown	Unknown	Unknown	FL	MA	Unknown	1J4LM2P000	1982	Team Car	03/03/82	08/11/82	09/01/82	VOG	Unknown	Fire	Engine.
80	Unknown	Unknown	Unknown	MD	MA	Unknown	1J4LM2P000	1982	Team Car	05/10/82	04/04/82	10/01/82	VOG	Unknown	Fire	Unknown.
81	Unknown	Unknown	Unknown	TX	MA	Unknown	1J4LM2P000	1982	Team Car	08/08/82	08/08/82	Unknown	VOG	Unknown	Fire	Engine compartment.
82	Unknown	Unknown	Unknown	TX	MA	Unknown	1J4LM2P000	1982	Team Car	05/10/82	08/14/82	11/01/82	VOG	Unknown	Fire	Engine compartment.
83	Unknown	Unknown	Unknown	TX	MA	Unknown	1J4LM2P000	1982	Team Car	11/24/82	10/01/82	11/01/82	VOG	Unknown	Fire	Engine compartment.
84	Unknown	Unknown	Unknown	NY	MA	Unknown	1J4LM2P000	1982	Team Car	11/03/82	11/03/82	08/01/82	VOG	Unknown	Fire	Engine compartment.
85	Unknown	Unknown	Unknown	CA	MA	Unknown	1J4LM2P000	1982	Team Car	10/13/82	10/29/82	02/01/82	VOG	Unknown	Fire	Unknown.
86	Unknown	Unknown	Unknown	FL	MA	Unknown	1J4LM2P000	1982	Team Car	01/15/82	11/05/82	11/01/82	VOG	Unknown	Fire	Unknown.
87	Unknown	Unknown	Unknown	MI	MA	Unknown	1J4LM2P000	1982	Team Car	03/04/82	04/04/82	08/01/82	VOG	Unknown	Fire	Unknown.
88	Unknown	Unknown	Unknown	TX	MA	Unknown	1J4LM2P000	1982	Team Car	04/04/82	07/13/82	10/01/82	VOG	Unknown	Fire	Engine compartment.
89	Unknown	Unknown	Unknown	MA	MA	Unknown	1J4LM2P000	1982	Team Car	08/09/82	08/27/82	08/04/82	VOG	Unknown	Fire	Engine.
90	Unknown	Unknown	Unknown	MA	MA	Unknown	1J4LM2P000	1982	Team Car	08/03/82	10/05/82	08/01/82	VOG	Unknown	Fire	Engine.
91	Unknown	Unknown	Unknown	MA	MA	Unknown	1J4LM2P000	1982	Team Car	06/13/82	07/23/82	04/01/82	VOG	Unknown	Fire	Engine compartment.
92	Unknown	Unknown	Unknown	TX	MA	Unknown	1J4LM2P000	1982	Team Car	11/21/81	08/03/82	05/01/82	VOG	Unknown	Fire	Engine compartment.
93	Unknown	Unknown	Unknown	FL	MA	Unknown	1J4LM2P000	1982	Team Car	04/08/82	04/08/82	10/01/82	VOG	Unknown	Fire	Engine compartment.
94	Unknown	Unknown	Unknown	MA	MA	Unknown	2J4LM2P000	1982	Team Car	08/27/81	08/10/81	08/01/81	VOG	Unknown	Fire	Drive shaft.

3713 5148

FIGURE 1 *Continued*

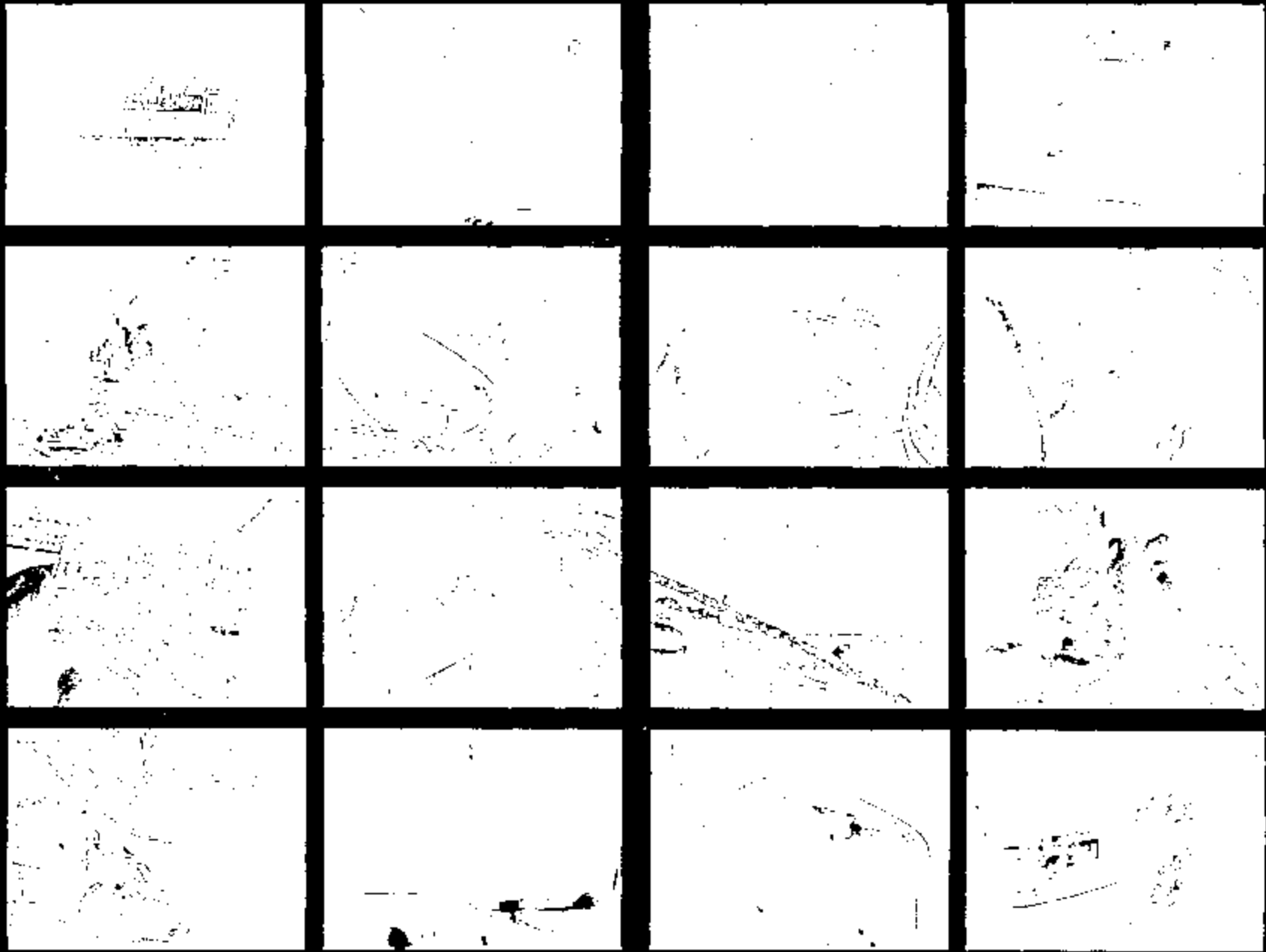
**1992-93 LINCOLN TOWN CAR
UNDERHOOD FIRES**

FE98-055

NO.	OWNER NAME	ADDRESS	CITY	STATE	ZIP CODE	TELEPHONE NUMBER	VIN	YEAR	MODEL	BUILD DATE	SALE DATE	REPORT DATE	TYPE	MILEAGE	ISSUE REPORTED	POSSIBLE PROBLEM DESCRIPTION
109	Unknown	Unknown	Unknown	FL	NA	Unknown	2UECL74W8N	1992	Gr. Lim.	03/23/92	08/23/92	09/04/92	VOC	Unknown	File	Under hood.
109	Unknown	Unknown	Unknown	FL	NA	Unknown	H48L60N8VY	1992	Town Car	03/04/92	10/09/92	09/04/92	VOC	Unknown	File	Engine compartment.
107	Unknown	Unknown	Unknown	FL	NA	Unknown	11N1L62540N	1992	Town Car	04/08/92	05/13/92	07/01/92	VOC	Unknown	File	Engine compartment.
106	Unknown	Unknown	Unknown	FL	NA	Unknown	K48L60N8VY	1992	Town Car	08/20/92	04/10/92	12/01/92	VOC	Unknown	File	Left edge of hood and fender.
105	Unknown	Unknown	Unknown	NC	NA	Unknown	T48L60N8VY	1992	Town Car	05/04/92	08/28/92	09/01/92	VOC	Unknown	File	Under hood.
112	Unknown	Unknown	Unknown	FL	NA	Unknown	K48L60N8VY	1992	Town Car	08/14/92	07/09/92	11/01/92	VOC	Unknown	File	Under hood.
111	Unknown	Unknown	Unknown	FL	NA	Unknown	T48L60N8VY	1992	Town Car	04/10/92	04/28/92	09/01/92	VOC	Unknown	File	Under hood.

3719 5149

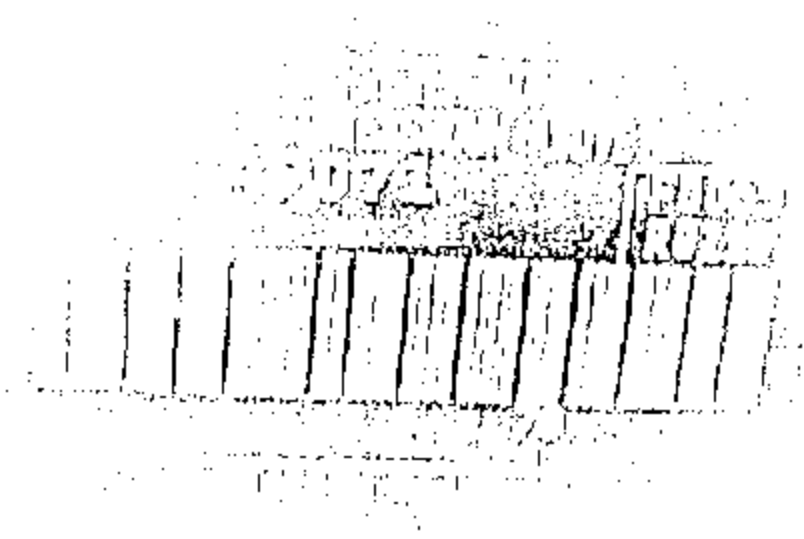
FE98-055 16
unclp



3713 5150

1LNLM92WXNY

1992 Lincoln Town Car - Dallas, TX, 99-Jan-13



3713 5151

1LNLM92WXNY [REDACTED] 1992 Lincoln Town Car - Dallas, TX, 99-Jan-13 [REDACTED]

PE 98-055



3713 5152

1LNLM92WXNY [REDACTED] 1992 Lincoln Town Car - Dallas, TX, 99-Jan-13

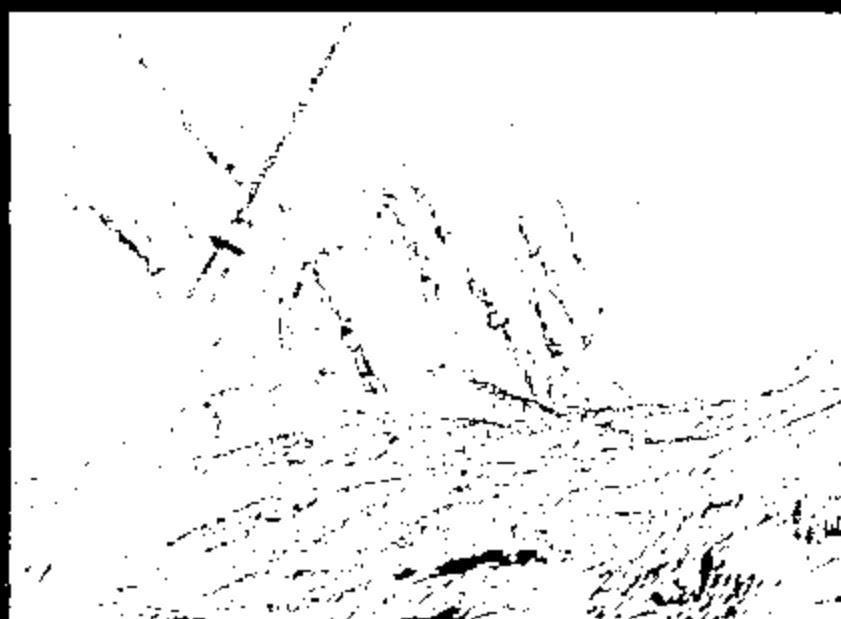
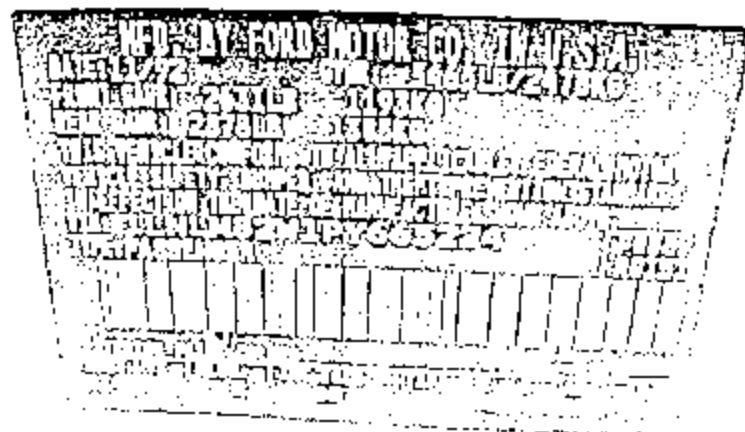
pg 98-055



Switch A

3713 5153

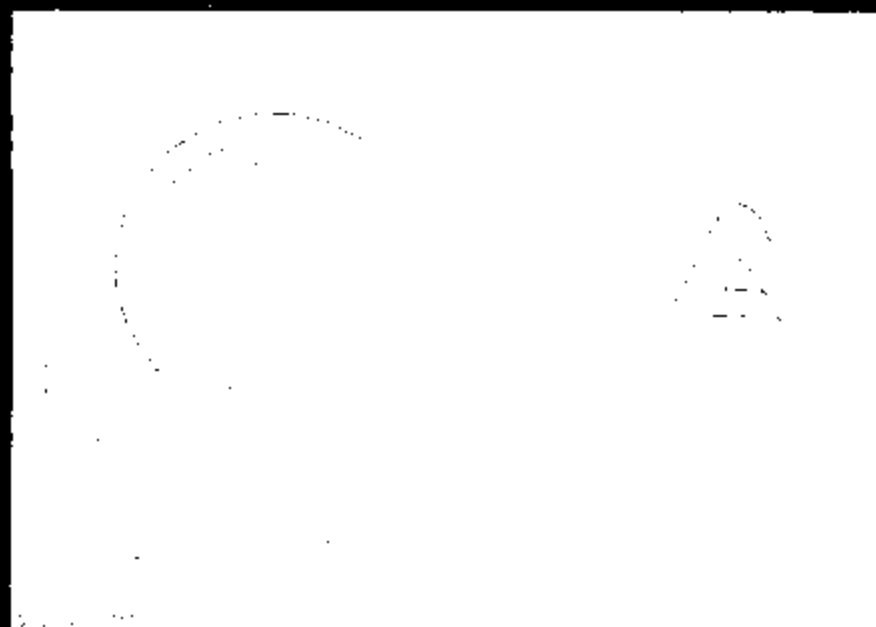
1LNLM92W1PY [REDACTED] 1993 Lincoln Town Car - Houston, Tx 99-Jan-14 PE98-055



3713 6164

1LNLM92W1PY

1993 Lincoln Town Car - Houston, Tx 99-Jan-14 PE98-055



Switch A

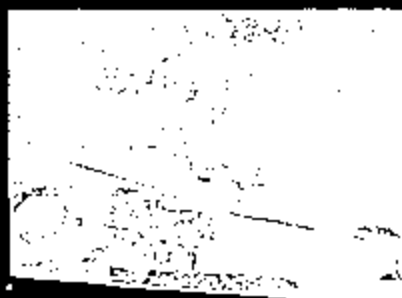
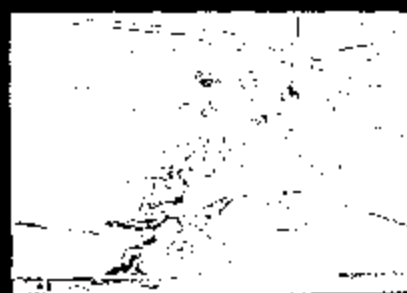
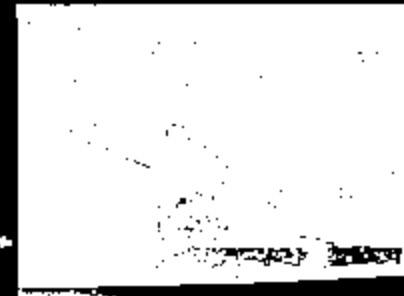
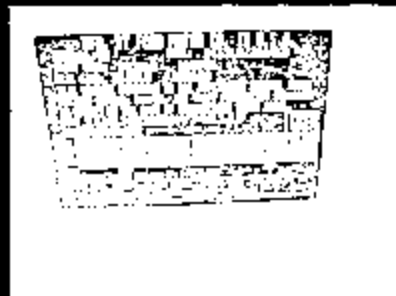
F2VC-9F924-AB 2281

3713 5155

1LNLM92WIPY 1993 Lincoln Town Car - Houston, TX 99-Jan-14 PE98-055



Switch B



3713 5166

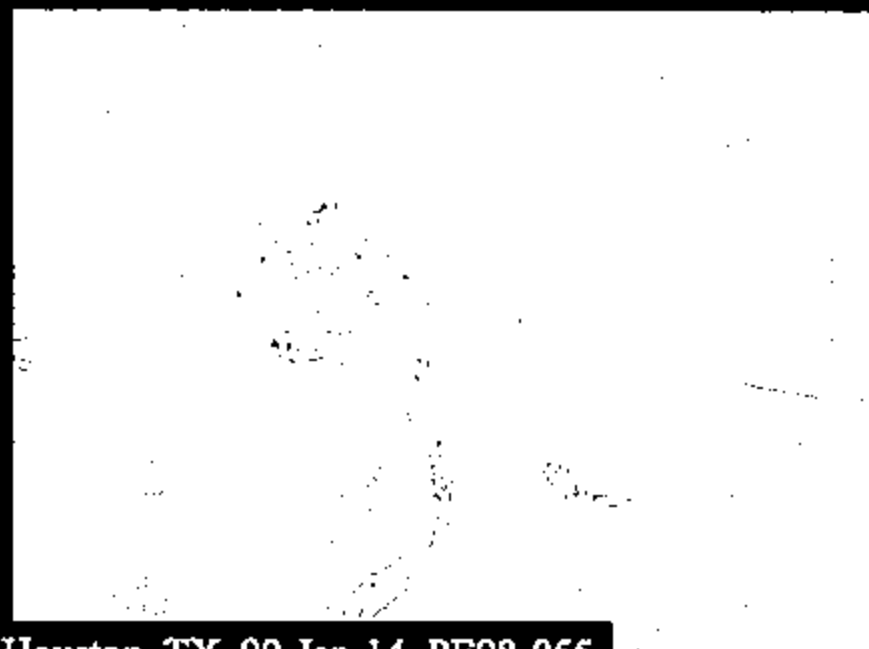
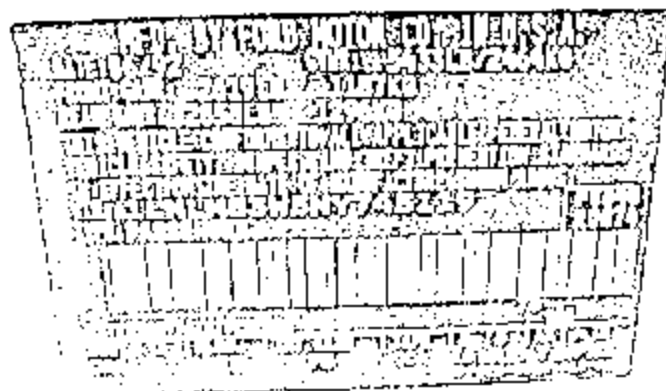
1LNLM83W5NY

1992 Lincoln Town Car - Houston, TX 99-Jan-14 PE98-055



3713 6167

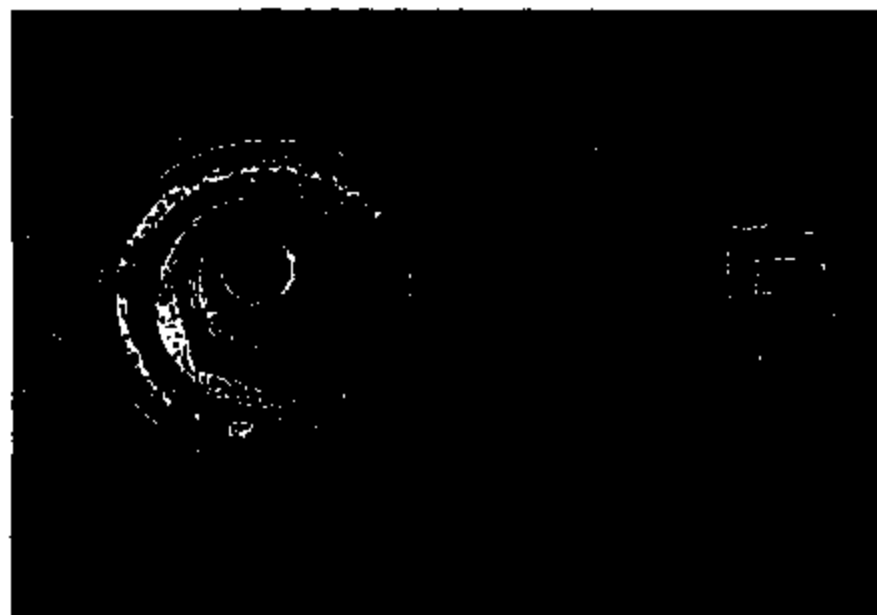
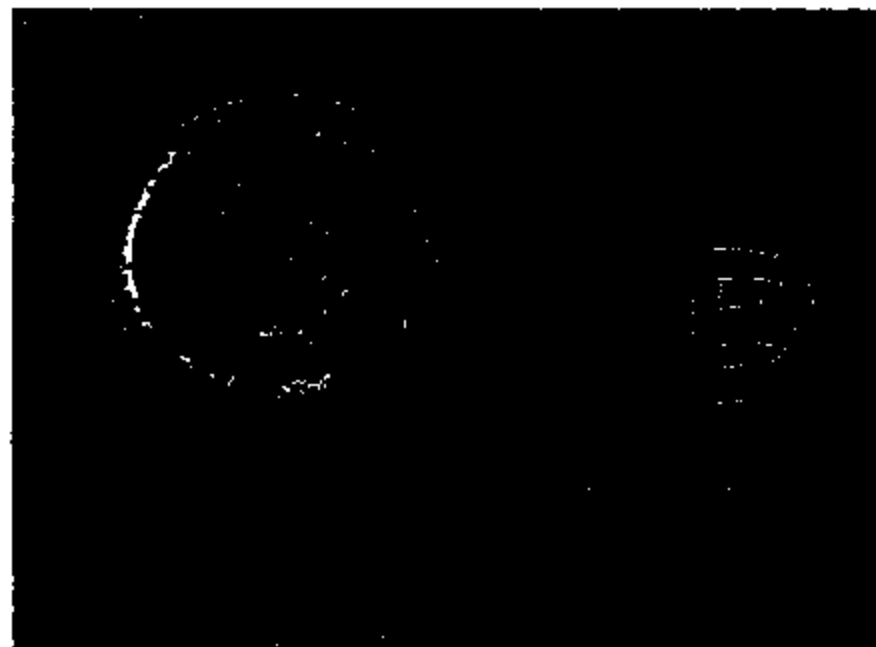
1LNLM83W5NY [REDACTED] 1992 Lincoln Town Car - Houston, TX 99-Jan-14 PE98-055



3713 6168

1LNLM83W5NY

1992 Lincoln Town Car - Houston, TX 99-Jan-14 PE98-055



Switch B

F2VC-9F924-AB 2114

3713 5159

1LNL83W5NY 1992 Lincoln Town Car - Houston, TX 99-Jan-14 PE98-055

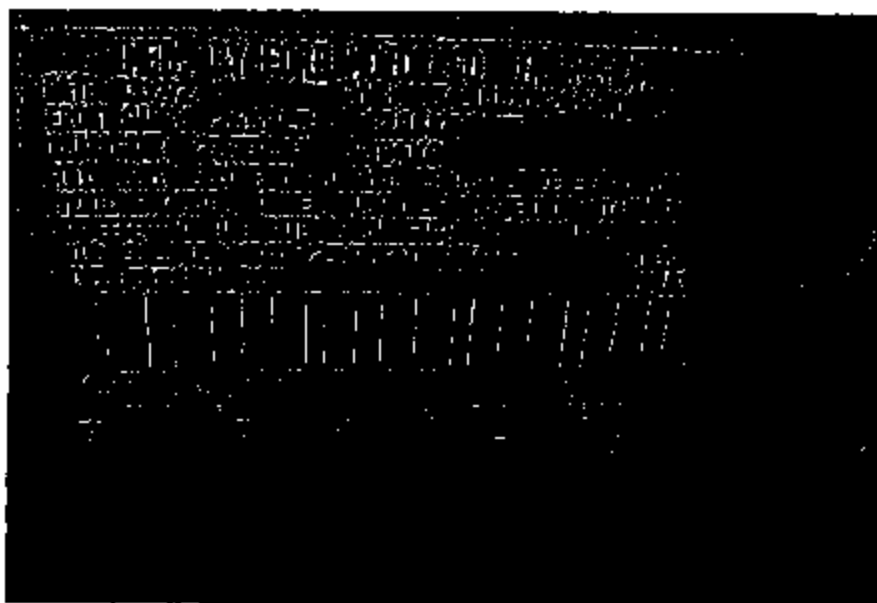


Switch B

F2VC-9F924-AB 2114

3713 5160

1LNLM83W5NY [REDACTED] 1992 Lincoln Town Car - Houston, TX 99-Jan-14 PE98-055



Switch C

3713 5181

1LNLM81W2NY 1992 Lincoln Town Car - Houston, TX 99-Jan-14 PE98-055



Switch C

F2VC-9F924-AB 2003

3713 6182

1LNLM81W2NY [REDACTED] 1992 Lincoln Town Car - Houston, TX 99-Jan-14 PE98-055



3713 5163

1LNLM82W7NY 1992 Lincoln Town Car - Houston, TX 99-Jan-14

7E98-055

 * Note printed by BEGEN on 21 Dec 1998 at 08:39:34 *

From: FPORTER --DRBN007 Date and time 12/18/98 17:04:06
 To: WABRAMCZ--DRBN005 BEGW --DRBN007
 RENGLISI--DRBN005 JEVANS8 --DRBN005
 DGCEL --DRBN005 JGREGOIR--DRBN005
 KGRIBBLE--DRBN005 NLAPOINT--DRBN005
 SLAROUCH--FORDNA1 JMCINERN--DRBN005
 JNEVI --DRBN005 RNEVI --DRBN005
 GSTEVENI--DRBN005 CTHOMAS5--DRBN005
 HWELFER3--DRBN005

FROM: F. J. Porter USAET(UTC -05:00)
 Subject: 9F924 Update (19981218)
 1992-1993 Town Car F2VC-9F924-A Brake Pressure Switch Investigation

TEAM:

AVT E&SE Chassis Electronics:	Fred Porter	x84-53722	fporter
AVT Chassis Engineering:	Joe Evans	x32-23232	jevans8
	Barry Egen	x32-39512	begen
AVT E&SE ROS:	Rob English	x33-73225	renglis1
AVT Design Analysis:	Norm LaPointe	x59-42686	nlapoint
AVT E&SE OPE:	Jim Gregoire	x33-79962	jgregoir
E&SE Prod. Veh. Safety:	William Abramczyk	x32-23284	wabramcz
	Ray Nevi	x59-47688	rnevi
Large Luxury VC Safety:	John McInerney	x32-20276	jmcinern
	Joe Nema	x39-08133	jnama
AVT Materials Engineering:	Greg Stevens	x32-36686	gstevens1
	Ken Gribble	x32-38658	kgribble
	Clark Thomas	x59-41313	cthomas5
Central Lab Services:	Steve LaRouche	x84-54876	slarouch

INFORMATION:

NHTSA letter: PE98-055

Vehicles identified: 21 initially identified.
 28 additional vehicles reported since publication of
 the investigation.

Warranty: A total of 89 warranty claims are identified in AWS on the
 F2VY-9F924-A for 1992 and 1993 Town Cars.

Two CQIS reports (WJIAA135 & VDUA322) mention underhood fire
 in connection with the brake pressure switch.
 WJIAA135 occurred at 51,500 miles.
 VDUA322 occurred at 36,802 miles.

Supplier: The pressure switch was manufactured by Texas Instruments. The
 switch was purchased in assembly with the brake proportioning
 valve bought from Surfaces.

Contacts: Surfaces - Mike Thomas (248)543-6820 HILITE Industries
 TI - Rob Sharp (248)305-5729

TI - Russ Baumann (508)236-3314
 TI - Charlie Douglas (508)236-3657

Function: The brake pressure switch is a redundant switch for turning off the speed control function.

X-Rays: Taken by Steve LaRouche, Norm LaPointe & Clark Thomas on 12/17/1998. Original photographs and part are in Steve LaRouche's possession.

ON-GOING ACTIVITY:

2 service parts have been ordered from Fairlane Ford for X-ray and other testing by Central Lab Services.

Meeting with representatives of TI is planned for 12/22/1998 to discuss intended operation of the switch. The meeting will be at the Central Laboratory Conference room off of the lobby.

QUESTIONS: (in no particular order)

- 1) What is the normal current in the brake pressure switch?
- 2) Was cruise control standard on Town Car in 1992 and 1993?
- 3) Under what circumstances is brake fluid flammable?

According to Clark Thomas & Mary Haga, brake fluid is flammable at approximately 300 degrees F.

- 4) What is the repair history for vehicles that have exhibited a problem? Repair history for the two CQIS vehicles are being gathered by Fred Porter.
- 5) What other vehicles use this brake pressure switch? What are their electrical configurations?

MODEL YEAR	92	93	94	95	96	97	98
Town Car	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	
Crown Vic	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	
Grand Marquis	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	
Econoline	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Club Wagon	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
F-Series		XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Bronco		XXXX	XXXX	XXXX	XXXX		
Taurus SHO		XXXX	XXXX	----			
Capri			XXXX	XXXX	----		
Windstar			XXXX	XXXX	XXXX	XXXX	XXXX
Falcon				XXXX	XXXX	XXXX	XXXX
Explorer					----	XXXX	XXXX
Ranger					----	XXXX	XXXX
Expedition						XXXX	XXXX
Navigator							XXXX

XXXX = used in model year

---- = may have been used in model year

- 6) Is this switch still in use? If not, why not? If so, what design changes have been implemented since 1992/1993?

Charlie Douglas of TI is investigating the design changes that may have been implemented on the brake pressure switch beginning in 1992.

- 7) What fault codes are stored if the brake pressure switch fails?

Regards,

Fred Porter	OV - fporter	fporter@ford.com
Chassis E/E Systems Applications		(313)845-3722
Bldg 5 - Mail Drop 5030 - Cubicle 3E004		fax: 390-4145



U.S. Department
of Transportation
National Highway
Traffic Safety
Administration

400 Seventh Street, S.W.
Washington, D.C. 20590

NOV 24 1998

NOV 24 1998

NOV 24 1998

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

DISPOSE of Copies (Black Stamped) by:	
RETAIN Record Copy (Red Stamped) Thru:	2018
Schedule Number:	27.03

L.W. Camp, Director
Automotive Safety and Engineering Standards Office
Ford Motor Company
330 Town Center Drive
Dearborn, MI 48126

NSA-12jfa
PE98-055

Dear Mr. Camp:

This letter is to advise you that the Office of Defects Investigation (ODI) of the National Highway Traffic Safety Administration (NHTSA) is conducting a Preliminary Evaluation concerning engine compartment fires in certain Lincoln Town Car vehicles manufactured by the Ford Motor Company.

This office has received 21 reports of engine compartment fires in 1992 and 1993 Lincoln Town Cars. The fires in these vehicles are reported to have started while the vehicles were parked and the engines not running. Ten of the reports indicate a fire at the left front fender wheel well area (see photograph, page 6), two indicate a fire at the master cylinder, which is adjacent to the left front fender wheel well area, and the remaining nine reports indicate a fire in the engine compartment. Additionally, five of the reports indicate the vehicle owner's carport, garage, or home, was also damaged as a result of the fire.

A copy of each of the reports is enclosed for your information.

Unless otherwise stated in the text, the following definitions apply to this information request:

- **Subject vehicles:** all 1992 and 1993 Lincoln Town Car vehicles.
- **Ford:** Ford Motor Company, all of its past and present officers, employees, whether assigned to its principal offices or to any of its field or other locations, including all of its divisions, subsidiaries (whether or not incorporated) and affiliated enterprises and all of their headquarters, regional, zone and other offices and their employees, and all agents, contractors, consultants, attorneys and law firms and other persons engaged by or under the control of Ford Motor Company (including all business units and persons previously referred to) who are or were involved in any way with (a) design, analysis, modification or production; (b) testing, assessment or evaluation; or (c) record-keeping, claims, or lawsuits relating to the alleged defect in the subject vehicles.



AUTO SAFETY HOTLINE
1-800-424-9393
2:00 P.M. D.C. Area 202-398-2123

3713 5167

- **Alleged defect:** all under hood fires, or other thermal anomalies, from any source or origin, of any description, level, degree, or magnitude, occurring in the left, or drivers side, of the engine compartment. This would include fires in the area of the left front wheel, or left front fender.
- **Documents:** in the broadest sense of the word, shall mean all written, printed, typed, recorded or graphic matter whatsoever, however produced or reproduced, of every kind, nature, and description, including but not limited to, papers, records, letters, correspondence, memoranda, communications, electronic mail messages (existing in hard copy and/or in electronic storage), faxes, notes, annotations, working papers, drafts, minutes, records, resolutions, books, pleadings, response to discovery, administrative and judicial filings, all transcripts and other recordings of any kind, affidavits, materials and things produced in discovery, statements, summaries, interviews, opinions, reports, newspaper articles, studies, analysis, evaluations, interpretations, applications, agreements, jottings, agendas, bulletins, notices, announcements, instructions, designs, specifications, blueprints, as-builts, manuals, brochures, publications, schedules, journals, statistical data, lists, tabulations, computer printouts, data processing input, data in storage, and data output, microfilm, microfiche, data from optical scanning or recording, photographs, tangible things, and all records kept by electronic, photographic, or mechanical means, any drafts or revisions pertaining to any of the foregoing, and all other things similar to any of the foregoing however denominated and any other data compilations from which information can be obtained, translated if necessary, into reasonably usable form and any other documents.

In order for my staff to evaluate the alleged defect, certain information is required. Pursuant to 49 U.S.C. § 30166, please provide numbered responses to the following questions. Please repeat each question verbatim before the response. If you have previously furnished ODI with information that is responsive to any item(s) in this request, you need not resubmit that information, but your response must cross-reference (by date of response and question number) the earlier submission. If Ford cannot answer any specific question, please state the reason why it is unable to do so. If you claim that any information or material responsive to the following items need not be divulged to the NHTSA because it is privileged, or the work product of an attorney, state the nature of that information or material and identify any document in which it is found by, date, subject or title, name and position of person from and person to whom it was sent, and name and position of any other recipient. You must also describe any privilege that you claim, and explain why you believe it applies.

1. State the total number of subject vehicles sold in the United States by model year.
2. State the number incidents, known to Ford, in which the alleged defect has been reported to have occurred in the subject vehicles. Furnish copies of all documents, from any and all sources, including documents which may not originally have been submitted to Ford, which

are in Ford's possession or control, or of which it is otherwise aware, that pertain, in any way, to any of these incidents. This should include, but is not limited to, all documents possessed by Ford, or of which it is otherwise aware, pertaining to the reports included with this letter. Furnish all documents whether or not Ford has verified the validity of each document. For each incident in this response please provide the vehicle owner's name, address, and telephone number, and identify all vehicles by vehicle identification number, model year, date of manufacture, date of retail sale, date of incident, mileage at the time of the incident, and problem description. For all incidents involving lawsuits please identify the caption, court, docket number, and filing date of each lawsuit and a copy of the complaint document initiating the lawsuit. Sort all incidents by cause and area or component of origin.

3. State the total number vehicles sold in the United States by model name and model year that have engine compartment configurations (i.e., components and component location, wiring harnesses and harness location) the same as the subject vehicles. Provide a response to question number two for all vehicles identified in your answer to this question.
4. State the number of all warranty claims, including extended warranty claims, and "goodwill," field or zone adjustments received by Ford that relate to the alleged defect in the subject vehicles by calendar year, calendar month, and problem identification. Identify all owners by name, address, and telephone number, and all vehicles by vehicle identification number, model name, model year, date of manufacture, date of retail sale, date of incident, mileage at the time of the incident, and problem description.
5. Identify all electrical circuits by name, number, and wire color, located in the left side of the engine compartment that are, or remain, energized by the battery when the ignition key is in the off position. For all circuits identified, provide a schematic drawing which identifies the harness(es) in which they reside, the harness location(s), and the components to which power is supplied.
6. Identify and describe all inspections, tests or other analyses conducted by Ford, its contractors, suppliers, or by any other entities, regarding the inspection of any subject vehicles that relate to the alleged defect, to date. Identify, by name and address, the entity that conducted each such test or analysis. Furnish copies of all reports, surveys, notes, tables, graphs or other documents that pertain to each such test or analysis. State when each test or analysis was initiated and concluded, or whether it is still in progress. Include in your response a description of a worst case scenario.
7. If Ford has issued any bulletins, advisories, or other communications to distributors, retailers, consumers, or any other entity pertaining to the alleged defect in the subject vehicles, provide a copy of each such document. If no such documents have been issued, so state.

8. Identify and describe all significant modifications or changes made by or on behalf of Ford in the manufacture, design, or material composition of all components in the subject vehicles that may relate to the alleged defect. The following information must be included for each such modification or change:
 - a. the approximate date on which the modification or change was incorporated into production;
 - b. a description of the modification or change;
 - c. the reason for the modification or change; and
 - d. whether the modified or changed components can be interchanged with earlier production components.
9. Provide Ford's assessment of the alleged defect in the subject vehicles, including:
 - a. all causal or contributory factors;
 - b. the failure mode;
 - c. the risk to occupant safety it poses; and
 - d. whether there are any circumstances that would provide the vehicle owner or others with warning of its existence.

Your response to this letter, in duplicate, must be submitted to this office by January 6, 1999. Please include in your response the identification codes referenced on page 1 of this letter. If you find that you are unable to provide all of the information requested within the time allotted, you must request an extension from Mr. Thomas Z. Cooper not later than five days from the due date. If you are unable to provide all of the information requested by the original deadline, you must submit a partial response by that date with whatever information you have available, even if you have received an extension.

This letter is being sent to your company pursuant to 49 U.S.C. § 30166, which authorizes NHTSA to conduct any investigation that may be necessary to enforce Chapter 301 of Title 49, U.S. Code. Your failure to respond promptly and fully to this letter could subject Ford to civil penalties pursuant to 49 U.S.C. § 30165 or lead to an action for injunctive relief pursuant to 49 U.S.C. § 30163.

If you consider any portion of your response to be confidential information, include that material in a separate enclosure marked "CONFIDENTIAL." In addition, you must submit a copy of all such material to the Office of Chief Counsel (NCC-30), National Highway Traffic Safety Administration, 400 Seventh Street, SW, Washington, DC 20590, and comply with all other requirements for the submission of confidential business information stated in 49 CFR Part 512.

If you have any technical questions concerning this matter, please contact Mr. John Abbott of my staff at (202) 366-3221.

Sincerely,



Thomas Z. Cooper, Chief
Vehicle Integrity Division
Office of Defects Investigation

Enclosures: 12 VOQ's: 813241, 824016, 808265, 821667, 979634, 521137, 804418, 541041
820316, 536206, 819621, 823462; 5 fire department reports; 2 internet reports; and
2 fire investigator reports

NHTSA:NSA:ODI
NSA-12:JABBOTT:dnd:6-5221:11/17/98
cc:
NSA-01
NSA-12/Subj/Chron/
Document: 1:/ABBOTT/Towncar.IR

1992 Lincoln Town Car (1LNLM81W2NY [REDACTED])



11/24/98

PE Opening Reports (PE95-055)
1992 Lincoln Town Car Engine Fires

NO.	Source	ST	VIN	M/Y
1	813241	FL	1LNLM82W5NY	92
2	824016	TX	1LNLM81W2NY	92
3	808265	FL	1LNLM82W7NY	92
4	821867	LA	1LNLM81W8NY	92
5	979834	TX	1LNLM82W5NY	92
6	521137	OK	1LNLM81W2NY	92
7	F.D.R.	GA	1LNLM82W3NY	92
8	804418	OH	1LNLM81W8NY	92
9	541041	FL	1LNLM81W3NY	92
10	F.D.R.	FL	1LNLM81W2NY	92
11	F.D.R.	FL	1LNLM82W7NY	92
12	A805260	FL	1LNLM81W0NY	92
13	820318	FL	1LNLM81W3NY	92
14	INet	FL	1LNLM81W8NY	92
15	535206	MS	1LNLM83W9NY	92
16	819621	LA	1LNLM82W5NY	92
17	INet	FL	1LNLM82W4NY	92
18	F.D.R.	GA	1LNLM82W1NY	92
19	A804221	FL	1LNLM81WP2Y	93
20	823482	MS	1LNLM81W5PY	93
21	F.D.R.	FL	1LNLM81WXPY	93

3718 5173

 AUTO SAFETY HOTLINE VEHICLE OWNER'S QUESTIONNAIRE NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION NATIONWIDE 1-800-424-9293 DC METRO AREA 202-366-0123		FOR AGENCY USE ONLY DATE RECEIVED 119 18 Jun 1997 REFERENCE NO. 813241 DAY TIME TELEPHONE NO. (AREA CODE)	
OWNER INFORMATION (TYPE OR PRINT)			
Do you authorize NHTSA to provide a copy of this report to the manufacturer of your vehicle? YES ☐ NO ☐ In the absence of an authorization, NHTSA WILL NOT provide your name or address to the vehicle manufacturer.			
SIGNATURE OF OWNER		DATE	
VEHICLE INFORMATION			
VEHICLE IDENTIFICATION NO.*		VEHICLE MAKE	VEHICLE MODEL
*LOCATED AT BOTTOM OF VEHICLE CURRENT ODOMETER READING DATE PURCHASED ☐ NEW ☒ USED		OWNER'S NAME, CITY & STATE LINCOLN TOWNSHIP	ENGINE SIZE NO. CYLINDERS ☐ DIESEL ☐ FUEL INJECT
TRANSMISSION TYPE	AIRBAG BRACES	RESTRAINT SYSTEM	CRUISE CONTROL
☐ MANUAL ☐ AUTOMATIC	☐ YES ☒ NO	☐ DRIVER'S SIDE AIRBAG ☐ PASSENGER'S SIDE AIRBAG ☐ 3-POINT BELT ☐ MOTORBELT ☐ 2-POINT BELT	☐ YES ☒ NO
		DRIVETRAIN	BODY STYLE
		☐ FRONT ☐ REAR ☐ 4-WHEEL	STANDARD 1 OR 2 DR HATCH BK VAN PK UP TRK OTHER
FAILED COMPONENT/PARTS INFORMATION (REPORT TIRE INFORMATION ON BACK)			
COMPONENT	PART NAME(S)	LOCATION	FAILED PART(S)
05100000	ENGINE	☐ LEFT FRONT ☐ RIGHT REAR	☐ ORIGINAL REPLACEMENT
NO. OF FAILURES	DATE(S) OF FAILURE(S)	MANUFACTURER CONTACTED	NHTSA PREVIOUSLY CONTACTED
	22-MAR-97	☐ YES ☐ NO	☐ YES ☐ NO
	MILEAGE AT FAILURE(S)		
	77		
	VEHICLE SPEED AT FAILURE(S)		
APPLICABLE ACCIDENT INFORMATION			
ACCIDENT	FIRE	NUMBER PERSONS INJURED	NUMBER OF FATALITIES
☐ YES ☒ NO	☐ YES ☒ NO		
PROPERTY DAMAGE ESTS		POLICE REPORTED	
		☐ YES ☒ NO	
NARRATIVE DESCRIPTION OF FAILURE(S), ACCIDENT(S), INJURY(ES)			
VEHICLE WAS IN THE PARK AND OFF POSITION FOR OVER 24 HOURS WHEN THE VEHICLE CAUGHT ON FIRE ON OR ABOUT THE LEFT FRONT WHEEL DRIVER'S SIDE, VEHICLE WAS TOTALED. FIRE DEPARTMENT HAS YET TO DETERMINE THE CAUSE. *AK			
CONTINUE ON BACK IF NEEDED			
The Privacy Act of 1974 Public Law 93-573 This information is collected pursuant to authority vested in the National Highway Traffic Safety Act and subsequent amendments. You are under no obligation to respond to this questionnaire. Your responses may		be used to assist the NHTSA in determining whether a manufacturer should take corrective action to improve a safety defect. If the NHTSA possesses this information, it will be used for the purpose of a recall, repair, or replacement of a defective product. Your responses, if a complete summary thereof, may be used in support of the agency's action.	

Apr-01-98 11:22A

P.01

FIRE DEPARTMENT

FIRE AND NON-FIRE REPORT

Report: F-130
Date: 22 March 1997
Day of Week: Saturday



Location of Response: Residence Apt: Zone: 2
Address:

Call Received: 08:51
FD Notified: 08:51
Enroute: 08:52
Arrived: 08:54
Off Call: 14:42
Card #: 3264

Response From: ☒ One ☐ Two ☐ Road 1

Type of Call: Structure/vehicle fire

Vehicle: ☐ Rescue ☒ T-10 ☐ E-6 ☐ E-8

Personnel: Borden Wykoff

How Received: ☒ 911
☐ Alarm Co.
☐ Telephone
☐ Other

Also Responding: ☐ Rescue ☐ T-51 ☒ E-51 ☒ E-50

Reported By: Deborah Swanner

Situation Found: Garage fire.

Phone: 4198
To: 1

Area of Origin: Engine compartment of vehicle
Source of Ignition: Unknown
Extent of Smoke Damage: Throughout structure
Extent of Flame Damage: Garage/kitchen/ outside of house/ attic
Insurance Co./Agent: State Farm, Chuck Bateman
How Long to Control Fire: 30 minutes

Approximate Value: \$ 140,000 Approximate Loss: \$ 80,000

Injuries: ☐ No ☒ Yes If yes, ☐ Firefighter ☒ Civilian
Deaths: ☐ No ☐ Yes If yes, ☐ Firefighter ☐ Civilian

VEHICLE INFORMATION

Year: 1992 Make: Lincoln Model: Town Car License: [REDACTED]

Driver's Name: [REDACTED]
Owner's Name: [REDACTED]
Owner's Address: [REDACTED]

STRUCTURAL INFORMATION

Occupancy: ☐ Condo ☒ SFR ☐ Assembly ☐ Mercantile ☐ Other
Type Construction: ☒ Ordinary ☐ Wood Frame ☐ Other
Interior Finish: 2 (wood) Height: 1 story Floor Involved:

☒ Pagers Activated ☐ Mutual Aid Called
☐ Standpipe/Sprink Activated ☐ Building Alarm Activated

Occupant: _____ Phone: _____
Owner: _____ Phone: _____
Owner's Address: _____

3713 5175

Truck crew arrived to find heavy smoke from windows and soffit. Flames showing from window on west side of garage. Occupant stated fire was in garage and pets were still in the house. Front door was entered and line pulled to interior entry door to garage. E-50 laid supply line to T-51. Off-duty personnel were paged out. Fire extinguished with approx. 200 gals. water. PPV set up. Primary search found birds in cages and were removed to back patio. House was vented and overhaul complete. F/M Highbarger called to investigate. State Fire Marshall also called. Fire personnel performed salvage and overhaul and monitored house for approx. 5 hours. Released to owner.

C

BuQ

313-211
4-15-77

Auto Safety Hotline		FOR AGENCY USE ONLY 241	
 U.S. Department of Transportation National Highway Traffic Safety Administration		Vehicle Owner's Questionnaire NATIONWIDE 1-800-424-5393 DC METRO AREA (202) 386-0123 INTERNET: http://www.nhtsa.dot.gov	
Date Received 6 Jun 1998		De_of st od_n up_tr	
		Reference No. 824016	
Work Number Home Number			
Do you authorize NHTSA to provide a copy of this report to the manufacturer of your vehicle? ☐ YES ☐ NO In the absence of an authorization, NHTSA WILL NOT provide your name and address to the vehicle manufacturer.			
Signature of Owner _____		Date ____/____/____	
VEHICLE INFORMATION			
Vehicle Ident. No. (VIN) (Located at origin of transport on a white card) 1LALNB1WZNY	Vehicle Make LINCOLN	Vehicle Model TOWN CAR	Vehicle Year 1992
Purchase Date _____		Current Odometer Reading _____	
☒ New ☐ Used	Dealer's Name _____ City _____ State _____ Zip Code _____	Engine Size (CID/CC/L) _____ No. Cylinders _____	☐ Two ☐ Four ☐ Six ☐ Eight
Transmission Type ☐ Manual ☐ Automatic	Anti-lock Brakes ☒ Yes ☐ No	Restraint System ☐ Driver's Airbag ☐ Passenger's Airbag ☐ 3-Point Belt ☐ 3-Point Belt	Cruise Control ☐ Yes ☒ No
Drive Train ☐ Front ☐ Rear ☐ 4-Wheel		Vehicle Type ☐ Car ☐ Van ☐ Minivan ☐ Sports UTV ☐ Truck ☐ Motorcycle ☐ Other	Body Style ☐ 2-Door ☐ 4-Door ☐ Convertible ☐ Pick Up Truck ☐ Other
FAILED COMPONENT(S)/PART(S) INFORMATION			
Component 08530600	Part Name(s) ELECTRICAL SYSTEM-IGNITION WIRING-PRIMARY AND SECONDARY	Location ☐ Left ☐ Right ☐ Front ☐ Rear	Failed Part(s) ☐ Original ☐ Replacement
No. of Failures	Date(s) of Failure(s) 21-AUG-97 Mileage at Failure(s) 22 Vehicle Speed at Failure(s)	Failed Part(s) Available? ☐ Yes ☐ No	NHTSA Previously Contacted? ☐ Yes ☐ No
APPLICABLE INCIDENT INFORMATION			
<i>(Please describe in detail the incident(s), failure(s), crash(es), and injury(ies) on the back of this form.)</i>			
Crash ☐ Yes ☒ No	Fatality ☒ Yes ☐ No	Number of Persons Injured	Number of Fatalities
Estimated Property Damage		Reported to Police ☐ Yes ☒ No	
NARRATIVE DESCRIPTION OF FAILURE(S), INCIDENT(S), INJURY(IES)			
ON 18 AUGUST, 1997, CONSUMER PARKED VEHICLE ON PARKING LOT EN ROUTE TO AIRPORT. ON 21 AUGUST 1997, WAS CONTACTED AND INFORMED THAT VEHICLE BURNED. HOUSTON FIRE DEPARTMENT INSPECTED THE VEHICLE, AND INFORMED THE CONSUMER THAT THERE WAS AN INVESTIGATION OF THE FIRE. SHOWED THAT THE FIRE WAS DUE TO SHORT CIRCUIT IN IGNITION WIRING. DEALER NOTIFIED. *AK			
CONTINUE ON BACK IF NEEDED			
Privacy Act of 1974-Public Law 93-579 This information is requested pursuant to authority vested in the National Highway Traffic Safety Act and subsequent amendments. You are under no obligation to respond to this questionnaire. Your response may be used in a number of ways. The NHTSA is determining whether a manufacturer should take appropriate action to correct a safety defect. If the NHTSA proceeds with administrative enforcement or litigation against a manufacturer, your response, or a statistical summary thereof, may be used in support of the agency's action.			

June 18, 1998

Mr. Steve Beretzky
U. S. D. O.T.
NHTSA-ODI
ROOM 5326 NSA-12
400 7TH STREET SW
WASHINGTON, D.C. 20590

Dear Mr. Beretzky,

Enclosed is all the materials I have collected regarding the fire that totaled our 1992 Lincoln Town Car.

Our car was parked at the Jet Park, 7625 Monroe Road, across from Hobby Airport in Houston. Three days after we had left our car it caught on fire, by itself, and was totaled. We did not return from our trip to St. Louis for two more days. Upon returning to Houston we were told by Jet Park our car had already been towed away. We notified the insurance company and the towing company.

We have read, in the Houston Chronicle newspaper, that there is a serious problem with Lincoln Town Car's catching fire through the model 1993. If this is true and a recall is necessary, please let us know . . . our parents own a 1993 Lincoln Town Car.

Please let us know if we can be of further assistance. Thank you for following-up on this possible recall situation.

Sincerely,


Owner of 1992 Lincoln Town Car-Totaled



3713 5179

 AUTO SAFETY HOTLINE VEHICLE OWNER'S QUESTIONNAIRE NATIONAL HIGHWAY Traffic Safety Administration NATIONWIDE 1-800-424-6383 DC METRO AREA 202-366-0123		FOR AGENCY USE ONLY DATE RECEIVED: RECEIVED 10 28 Jan 1987 DEFECT INVESTIGATION: 808265 REFERENCE NO.: 808265 DAY TIME TELEPHONE NO. (AREA CODE): [REDACTED]	
OWNER INFORMATION (TYPE OR PRINT) NAME AND ADDRESS [REDACTED] MELBOURNE FL [REDACTED]		DATE 3/3/97	
Do you authorize NHTSA to provide a copy of this report to the manufacturer of your vehicle? YES ☒ NO ☐ In the absence of an authorization, NHTSA WILL NOT provide your name or address to the vehicle manufacturer.			
SIGNATURE OF OWNER [REDACTED]		DATE 3/3/97	
VEHICLE INFORMATION			
VEHICLE IDENTIFICATION NO. 1LVLM82W7NY [REDACTED]	VEHICLE MAKE LINCOLN	VEHICLE MODEL TOWN CAR	MODEL YEAR 1982
VEHICLE LOCATION (TYPE OF VEHICLE OR DRIVER'S SIDE)			
CURRENT ODOMETER READING NO ONE	DATE PURCHASED 10/10/86 ☐ NEW ☒ USED	DEALER'S NAME, CITY & STATE VIC CSMAN 625 East Nassau Blvd Melbourne FL 32901	
ENGINE TYPE ☐ MANUAL ☒ AUTOMATIC		ENGINE SIZE (CID/CYL) ☐ TURBO ☐ DIESEL ☒ GAS ☐ FUEL INJECTION	
TRANSMISSION TYPE ☐ MANUAL ☒ AUTOMATIC		DRIVE CONTROL ☐ YES ☒ NO	
RESTRAINT SYSTEM ☐ DRIVER'S AIRBAG ☐ MOTORBELT ☐ PASSENGER'S AIRBAG ☐ 3-POINT BELT ☐ 2-POINT BELT		SEATBELT ☐ FRONT ☐ REAR ☐ OTHER	
FAILED COMPONENT(PARTS) INFORMATION - REPORT THE INFORMATION ON BACK			
COMPONENT 05100000	PART NAME(S) ENGINE	LOCATION ☐ LEFT ☐ RIGHT ☐ FRONT ☐ REAR	FAILED PART ☐ ORIGINAL ☐ REPLACEMENT
NO. OF FAILURES 1 only 1 each 1 fire!	DATE OF FAILURE JANUARY 10, 1987 ABOUT 8:30 AM VEHICLE AT FAILURE 67 MPH VEHICLE SPEED AT FAILURE PARKED	MANUFACTURER CONTACTED ☒ YES ☐ NO	INTER PREVIOUSLY CONTACTED ☐ YES ☒ NO
APPLICABLE ACCIDENT INFORMATION			
ACCIDENT ☐ YES ☒ NO	FIRE ☐ YES ☒ NO	NUMBER PERSONS INJURED	NUMBER OF FATALITIES
PROPERTY DAMAGE \$571.00		POLICE REPORTED ☒ YES ☐ NO	
NARRATIVE DESCRIPTION OF FAILURE(S), ACCIDENT(S), INJURY(ES) We had the defroster on earlier in the day for rain, turned it off on the way to Temple Beth Shalom, 5905 N. W. 14th Ave, Melbourn FL. We parked the car, 0 port into 37th Ave, and some cars. BEFORE the defroster, car caught fire. PARKED CAR IN A PARKING LOT ABOUT 15 MIN AFTER THE CAR CAUGHT ON FIRE WHICH CAME FROM THE ENGINE. SOMEONE ELSE PARKED NEXT TO CAR 15 MINUTES AFTER WE PARKED. APPROX. 60 MINUTES AFTER WE PARKED, POLICE CAME TO SUMMON US TO THE BURNED OUT CAR THE BOSS IN THE EVENT A FIRE DEMO. ED APPEARS TO HAVE 3 INJURED IN THE CAR. (CONTINUED) CONTINUE ON BACK IF USED			
The Agency Act of 1974 Pub. Law 93-279 The manufacturer is required to furnish a copy of this report to the National Highway Traffic Safety Administration. You are asked to cooperate in providing the information. Your cooperation is appreciated. Use this as a guide only. It is recommended that a manufacturer should have representative agents in contact with NHTSA. If the NHTSA receives information from a manufacturer, it will be used in the NHTSA's investigation of the defect. Your cooperation is requested. You are asked to provide the information to the NHTSA.			

Please show Return Address the stamp needed. Please with tape or staple and mail.

TIRE IDENTIFICATION NO.									
Q	0	7							
MANUFACTURER/TIRE NAME								SIZE	

* The identification number consists of 7 to 10 letters and numerals following the letters QOT. It is usually located near the rim flange on the side opposite the whitewall or on either side of a blackwall tire.

NARRATIVE DESCRIPTION (CONTINUED)

then engulfed the passenger compartment (destroying everything in the car) and then moving into the trunk. The front tires were melted away, no glass remained in the car. The car was a complete loss. Cars parked on either side were damaged as well, but were drivable.

Based on the fact that the car burned after it was turned off, and both my wife and I do not smoke, we believe some latent defect caused the fire. Based on our use, on-line in the days of the Chrysler and recent recall notices, we suspect it may be the problem that caused our fire, but had not had that confirmed by State Farm's fire investigator.

U.S. Government Printing Office: 708-283-280

U.S. Department of Transportation
National Highway Traffic Safety Administration

Seven St. SW
Washington, DC 20590

See Summary
for full details and more

BUSINESS REPLY MAIL

FIRST CLASS PERMIT NO. 70172 WASHINGTON, DC 20590

POSTAGE WILL BE PAID BY MAILING TRAFFIC SAFETY ADMIN

U.S. Department of Transportation
National Highway Traffic Safety Administration
Auto Safety Hotline, NHTSA-11
400 7th Street SW
Washington, DC 20590

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

Automotive Inquiry

Claim Number: 88-8814-888

Vehicle Info: 1992 LINCOLN TOWN CAR SIGNATURE
4D-Engine 4 Dr.

Call Information

This call was taken on 04/14/87. This inquiry was taken from MELBOURNE, FL.

This call concerned Fire Engine Compartment.

Vehicle Detail

VIN: 1LNLM2N7N1Y000000
Model Year: 1992
Body Style: 4D-Engine 4 Dr.
Eng. Size: 281 CI 4.9 Liters
Fuel: Gas
Weight: 4025
Trans: 4 Speed Automatic with Overdrive
Opt 1:
Opt 2:
A/C: Standard
P/S: Standard
Power Wnc: Standard
Tilt Wheel: Standard
R/W Drive: No
4 W Drive: No
Sec Sys: Unknown

Model: 0 88888
Make: LINCOLN
Series: TOWN CAR SIGNATURE
Cylinders: 6
Curb: Feet Injected
Seat List: 34252
Tire Size: 16R215
D-T-R: Not Available
Restraint: Air bags both sides / manual belt system
Radio: AM / FM Cassette
Opt 1: AM / FM CD
Opt 2:
Roof: None / Not Available
Opt 1: Power Sun / Moon
Opt 2:
ABS: 4 Wheel Standard.

Pertinent Vehicle Equipment

Description of Loss

Details of Call: TOTAL FIRE WHILE PARKED AND UNOC- DOES NOT APPEAR TO BE ACCELERATED. CRACK APPEARS IN ENGINE COMPARTMENT

Date of Loss: 01/10/87 12:00 AM

Number of Injuries: 0

Number of Deaths: 0

Total Loss? No

Insured Loss Amount: Vehicle 1:
Claimant Loss Amount: Vehicle 1:

BI 1: 0
BI 2:

Other PD 1: 0
Other PD 2:

 Auto Safety Hotline Vehicle Owner's Questionnaire NATIONWIDE 1-888-434-3333 DC METRO AREA (202) 374-0123 INTERNET: http://www.nhtsa.dot.gov		FOR AGENCY USE ONLY 117 Date Received 25 Feb 1995 Reference No. 821007	
Do you authorize NHTSA to provide a copy of this report to the manufacturer of your vehicle? ☐ YES ☐ NO In the absence of an authorization, NHTSA WILL NOT provide your name and address to the vehicle manufacturer.			
Signature of Owner _____		Date _____	
VEHICLE INFORMATION			
Vehicle Ident. No. (VIN) (located in corner of windshield on driver's side) 1L4LM1WBNY740391	Vehicle Make LINCOLN	Vehicle Model TOWN CAR	Vehicle Year 1992
Purchase Date _____		Current Odometer Reading _____	
Dealer's Name _____ City _____ State _____ Zip Code _____		Engine Size (CC/LITERS) _____ No. Cylinders _____	
☐ New ☒ Used		☐ Type ☐ Street ☐ Gas ☐ Fuel Injection	
Transmission Type ☐ Manual ☐ Automatic	AntiLock Brakes ☐ Yes ☒ No	Restraints System ☐ Driver's Airbag ☐ Passenger's Airbag ☒ 2-Point Belt	Cruise Control ☐ Yes ☒ No Drive Train ☐ Front ☐ Rear ☒ 4-Wheel
Vehicle Type ☐ Car ☐ Sports Car ☐ Truck ☐ Motorcycle ☐ Other		Body Style ☐ 2-Door ☐ 4-Door ☐ Station Wagon ☐ Pick Up Truck ☐ Other	
FAILED COMPONENT(S)/PART(S) INFORMATION			
Component 00210003	Part Name(s) ELECTRICAL SYSTEM: WIRING HARNESS	Location ☐ Left ☐ Right ☐ Front ☐ Rear	Failed Part(s) ☐ Original ☐ Replacement
No. of Failures 1	Occurred at Failure(s) <u>04-JAN-95</u> Mileage at Failure(s) <u>80</u> Vehicle Speed at Failure(s) _____	Failed Part(s) Available? ☐ Yes ☐ No	NHTSA Previously Contacted? ☐ Yes ☒ No
APPLICABLE INCIDENT INFORMATION			
(Please describe in detail the incident(s), failure(s), and injury(ies) on the back of this form.)			
Crash ☐ Yes ☒ No	Fire ☐ Yes ☒ No	Number of Persons Injured 0	Number of Fatalities 0 Estimated Property Damage \$ Reported to Police ☐ Yes ☒ No
NARRATIVE DESCRIPTION OF FAILURE(S), INCIDENT(S), INJURY(IES)			
HAD PARKED VEHICLE. SON NOTICED SM OKE FROM UNDER HOOD. FIRST IT WAS WHITE. THEN LATER TURNED BLACK. FINALLY S. W FLAMES. HOOD DID NOT COME UP. FIRE DEPT CALLED & PUT FLAMES OUT. BLACKNESS SURROUNDED ENGINE AREA. INSURANCE COMPANY HAS VEHICLE. *AK			
CONTINUE ON BACK IF NEEDED			
The Privacy Act of 1974 (Public Law 93-579) This information is requested pursuant to authority vested in the National Highway Traffic Safety Act and subsequent amendments. You are under no obligation to respond to this questionnaire. Your response may be used to assist the NHTSA in determining whether a manufacturer should take appropriate action to correct a safety defect. If the NHTSA proceeds with administrative enforcement or litigation against a manufacturer, your response, or a distilled summary thereof, may be used in support of the agency's action.			

 AUTO SAFETY HOTLINE VEHICLE OWNER'S QUESTIONNAIRE NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION NATIONWIDE 1-800-424-9393 DC METRO AREA 202-366-0133		FOR AGENCY USE ONLY DATE RECEIVED 018 2-FEB-86 REFERENCE NO. 979634 DAY TIME TELEPHONE NO. (AREA CODE)	
OWNER INFORMATION (TYPE OR PRINT) NAME — LAST FIRST			
Do you authorize NHTSA to provide a copy of this report to the manufacturer of your vehicle? YES ☐ NO ☐ In the absence of an authorization, NHTSA WILL NOT provide your name or address to the vehicle manufacturer.			
SIGNATURE OF OWNER		DATE	
VEHICLE INFORMATION			
VEHICLE IDENTIFICATION NO. 11 NE 1111111111		VEHICLE MAKE FORD	VEHICLE MODEL TOWN CAR
MODEL YEAR 1985			
CURRENT COORDINATE READINGS DATE PURCHASED ☐ NEW ☐ USED		DEALER'S NAME, CITY & STATE ENGINE SIZE (DISCC/L) NO. CYLINDERS ☐ TURBO ☐ DIESEL ☐ GAS ☐ FUEL INJECTION	
TRANSMISSION TYPE ☐ MANUAL ☐ AUTOMATIC	ANTILOCK BRAKES ☐ YES ☐ NO	RESTRAINT SYSTEM ☐ DRIVER-SIDE AIRBAG ☐ MOTORBELT ☐ PASSENGER-SIDE AIRBAG ☐ 3-POINT BELT ☐ 2-POINT BELT	CRUISE CONTROL ☐ YES ☐ NO
		DRIVETRAIN ☐ FRONT ☐ REAR ☐ 4-WHEEL	ROOF STYLE STANCHION 4 SR ☐ HATCH BE ☐ 2 SR ☐ VAN ☐ PH UP TRK ☐ OTHER ☐
FAILED COMPONENT(S)/PART(S) INFORMATION (REPORT THE INFORMATION ON EACH)			
COMPONENT REINFORCED	PART NUMBER	LOCATION ☐ LEFT FRONT ☐ RIGHT REAR	FAKED PARTS ☐ ORIGINAL REPLACEMENT
NO. OF FAILURES	DATE(S) OF FAILURE(S)	MANUFACTURER CONTACTED ☐ YES ☐ NO	NHTSA PREVIOUSLY CONTACTED ☐ YES ☐ NO
	MILEAGE AT FAILURE(S)		
	VEHICLE SPEED AT FAILURE(S)		
APPLICABLE ACCIDENT INFORMATION			
ACCIDENT ☐ YES ☐ NO	FIRE ☐ YES ☒ NO	NUMBER PERSONS INJURED	NUMBER OF FATALITIES
		PROPERTY DAMAGE (\$)	POLICE REPORTED ☐ YES ☐ NO
NARRATIVE DESCRIPTION OF FAILURE(S), ACCIDENT(S), INJURY(ES)			
CAR CAUGHT ON FIRE IN THE MIDDLE OF THE NIGHT. KEY WAS NOT IN THE IGNITION. *AE			
CONTINUE ON BACK IF NEEDED The Privacy Act of 1974 Public Law 93-579 This information is requested pursuant to authority vested in the National Highway Traffic Safety Act and subsequent amendments. You are under no obligation to respond to this questionnaire. Your responses may be used to assist the NHTSA in determining whether a manufacturer should take appropriate action to correct a safety defect. If the NHTSA possesses both representative information or research reports a non-response, your responses, or a statement voluntarily made, may be used in support of the agency's action.			

U.S. Department of Transportation National Highway Traffic Safety Administration		Auto Safety Hotline Vehicle Owner's Questionnaire NATIONWIDE 1-800-424-8363 DC METRO AREA (202) 366-0123 INTERNET: http://www.nhtsa.dot.gov		FOR AGENCY USE ONLY	
OWNER INFORMATION (Type or Print) Name: [REDACTED] Street: [REDACTED] Apt. No.: [REDACTED] City: <u>Durham</u> State: <u>NC</u> Zip Code: [REDACTED]				Date Received RECEIVED	Order # [REDACTED]
				Reference No. 521137	
Do you authorize NHTSA to provide a copy of this report to the manufacturer of your vehicle? YES = NO In the absence of an authorization, NHTSA WILL NOT provide your name and address to the vehicle manufacturer.					
Signature of Owner: [REDACTED]				Date: <u>8/12/97</u>	
VEHICLE INFORMATION					
Vehicle Ident. No. (VIN): [REDACTED]		Vehicle Make <u>Lincoln</u>	Vehicle Model <u>Exc</u>	Vehicle Year <u>1992</u>	Current Odometer Reading <u>117,200</u>
Purchase Date <u>3/24/97</u>	Dealer's Name <u>Durham Auto Mart</u>		Engine Size (CID/GCC) <u>4.6</u>		Turbo ☐
☐ New ☒ Used	Overhead Cam <u>Yes</u>		Zinc Coated <u>Yes</u>		Gas ☒
Transmission Type ☒ Automatic	Antilock Brakes ☒ Yes ☐ No	Restraint System ☒ Overhead Airbag ☐ Passenger Airbag ☒ 2-Point Belt ☐ 3-Point Belt	Cruise Control ☒ Yes ☐ No	Drivetrain ☐ Front ☒ Rear ☐ All-wheel	Vehicle Type ☒ Car ☐ Van ☐ Minivan ☐ Other
FAILED COMPONENT(S)/PART(S) INFORMATION Component: <u>Fire</u> Part Name(s): <u>Complete</u> Location: ☒ Left ☒ Right ☐ Front ☐ Rear No. of Failures: [REDACTED] Date(s) of Failure(s): <u>6-27-97</u> Failed Part(s) Available? ☐ Yes ☒ No Mileage at Failure(s): <u>17200</u> NHTSA Previously Contained? ☐ Yes ☒ No Vehicle Speed at Failure(s): <u>20</u>					
APPLICABLE INCIDENT INFORMATION (Please describe in detail the incident(s), failure(s), crash(es), and injury(ies) on the back of this form)					
Crash ☐ Yes ☒ No	Fatality ☒ Yes ☐ No	Number Persons Injured <u>0</u>	Number of Fatalities <u>0</u>	Estimated Property Damage <u>\$14,000</u>	Reported to Police ☒ Yes ☐ No
INFORMATION ON TIRE FAILURE(S) (IF APPLICABLE)					
To report defective or failed tires provide the following: DOT Number, Tire Manufacturer, Tire Name, Tire Size (include all numbers and letters). Notes: This information not required for normal operation tires.					
DOT		Manufacturer		Tire Name	Complete Tire Size
 U.S. DOT safety standard code The number may be on the outer side of the tire and have up to 11 letters and numbers. Usually located near rim flange on side opposite whitewall or on inner side of blackwall tire.					
The Privacy Act of 1974—Public Law 93-579 This information is requested pursuant to authority vested in the National Highway Traffic Safety Administration and its predecessor organizations. You are under no obligation to respond to this questionnaire. Your responses may be used to assist the NHTSA in supervising whether a manufacturer should and does comply with its safety duties. If the NHTSA personnel have representative information or legislation related to this questionnaire, your responses, or a statistical summary thereof, may be used in support of the agency's action.					

Narrative Description of Incident(s), Follow-up(s), Crash(es), and Injury(ies)

To The Editors

This letter is to warn the public of a potential fire hazard that they may have parked in their garages or carports:

A luxury car, costing over \$31,000 is new.

This car was not running and had been parked for approximately 3 hours when, according to a witness, it exploded, blew the hood up, and scraped her fingers.

The engine of this vehicle is a 4.6 L V8. The manufacturer denies any knowledge of this ever having happened before. However, I have been told by two people, that they know of this happening frequently to these cars.

If you have one of these vehicles parked in your garage or carport, you have a potential fire bomb sitting there. Because of liability laws, I may not reveal the manufacturer's name in this publication. However, if you want to know the make of this car, call me and I will be happy to tell you.

Address: _____

3 People called
that the same
thing happened
to them different
cars. Same motor.
A Ford mech. called
said it happened
all the time with
this motor

This car had been parked more than 3 hrs.
A witness saw it explode & the 4th came up
in a ball of fire. The fire dept was here in five's
min. The car was complete burned
I Reported it to Ford on 7/2/91/ 845 AM
All they would it was out of warranty
* "Ford dealer works with other dealer"
Willard Linc & owner LBS Hwyway Dallas TX
salesman "R. L. "

Field to show History Address for every record! History with time and user

U.S. Department
of Transportation
National Highway
Traffic Safety
Administration

420 Seventh St., E.W.
Huntington, D.C. 20639

**Official European
Partner for Private Line (EPL)**

**BUSINESS REPLY-MAIL**

FIRST CLASS PERMIT NO 73773 WASHINGTON, D.C.

CONTACT WILL BE MADE BY MR. RAY. TELLER SAFETY ARM

U.S. Department of Transportation
National Highway Traffic Safety Administration
Auto Safety Hotline, NSA-10.1
400 7th Street, SW.
Washington, DC 20590

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NFIRS-1

										☐ DELETE ☐ CHANGE		
A	FD#	INCIDENT NO	EXP NO	MO	DAY	YR	DAY OF WEEK	ALARM TIME	ARRIVAL TIME	IN SERVICE		
	04406	98-021287	00	06	28	98	Wednesday 4	21:12:00	21:28:00	22:48:00		
B	TYPE OF SITUATION FOUND						TYPE OF ACTION TAKEN		MUTUAL AID			
	Vehicle Fire						13 Extinguishment		1 () Road () Over			
C	FIRE'S PROPERTY USE						IGNITION FACTOR		84			
	1-Jewelry Drilling-year						411 Short Circuit, Ground Fault					
D							CO.	TWN	ZIP CODE	CENSUS TRACT		
									38041	0272.82		
E							TELEPHONE		ROOM/APT NO			
F												
G	MULTIPLY OF ALARMS FROM PUBLIC						TYPE OF ALARM		DISTRICT	SUBST	STATION	NO. ALARMS
	Telephone Tie Line						7 EMERGENCY		E	11	A	15
H	911 USED		PERSONNEL RESPONSES		ENGINE RESPONSES		AERIAL APPARATUS		OTHER VEHICLES			
			018		003		001		001			
I	NUMBER OF ALARMS				NUMBER OF FATALITIES							
	FIRE SERVICE 000				OTHER 000				FIRE SERVICE 000			
									OTHER 000			
J	COMPLEX						MOBILE PROPERTY TYPE		13			
	Dwelling Complex						41 All Tenable Vehicles					
K	AREA OF FIRE ORIGIN						EQUIPMENT INVOLVED IN IGNITION		61			
	Engine Area, Running Gear						22 Electrical Equipment					
L	FORM OF HEAT OF IGNITION		TYPE OF MATERIAL IGNITED		FORM OF MATERIAL IGNITED							
	Unspecified Short Circuit		24 Material Not Classified		26 Structural Member		17					
M	METHOD OF EXTINGUISHMENT		LEVEL OF FIRE ORIGIN		ESTIMATED LOSS		EXTRACTED VALUE					
	Preconnect w/Task Water		8 Grade is +5'		1		10,000		187,000			
N	NUMBER OF STORIES						CONSTRUCTION TYPE					
O	EXTENT OF FLAME DAMAGE						EXTENT OF SMOKE DAMAGE					
P	DETECTOR PERFORMANCE						SPRINKLER PERFORMANCE					
Q	IF SMOKE SPREAD BEYOND ROOM OF ORIGIN		TYPE OF MATERIAL GENERATING MOST SMOKE				AVERAGE OF SMOKE TRAVEL					
R			FORM OF MATERIAL GENERATING MOST SMOKE									
DIST: 18 LLI 328												
S	IF MOBILE PROPERTY		YEAR	MAKE	MODEL	TYPE	SERIAL NO.	LICENSE NO.				
			88	LINCOLN		TOWN CAR	211425000773	818 KZZ				
T	IF EQUIPMENT INVOLVED IN IGNITION		YEAR	MAKE	MODEL	SERIAL NO.						
				NA								
EX (CHECK IF COMMENTS)												
OFFICER IN CHARGE (NAME, POSITION, ASSIGNMENT)												
DATE												
08/28/1998												
EMPT FROM ABOVE												
DATE												
08/28/1998												

FILE	INCIDENT NO	EXP NO	MO	DAY	YR	DAY OF WEEK	ALARM TIME
04485	88-201287	00	08	29	96	Wednesday 4	21:13:00

NARRATIVE

E16 ARRIVED TO FIND A 1993 LINCOLN TOWNCAR FULLY INVOLVED IN FIRE. THE CAR WAS IN THE RESIDENT GARAGE AT THE TIME. WE EXTINGUISHED THE FIRE AT THIS ADDRESS 1608 FORESTA CT. VEHICLE OWNER/HOMEOWNER IS A MR. JOE MERSOTH. HE STATED HIS WIFE SAW SMOKE COMING FROM THE DISHWASHER, HE WENT DOWNSTAIRS TO INVESTIGATE & TO TURN CIRCUIT BREAKER OFF. WHEN HE OPENED THE GARAGE DOOR HE WAS HIT BY HEAT & SMOKE. HE THEN WENT OUTSIDE TO THE GARAGE DOOR, AND SAW THE FIRE. E16'S CREW EXTINGUISHED FIRE. 1 AND E16 CREW CK FOR EXTENSION AND HANDLED SMOKE EVAC. FIRE WAS CAUSED BY ELECTRICAL SHORT CIRCUIT IN THE 1993 LINCOLN TOWNCAR.

 AUTO SAFETY HOTLINE VEHICLE OWNER'S QUESTIONNAIRE NATIONAL HIGHWAY Traffic Safety Administration NATIONWIDE 1-800-424-9393 DC METRO AREA 202-366-0123		FOR AGENCY USE ONLY	
OWNER INFORMATION (TYPE OR PRINT)		DATE RECEIVED	11 Nov 1996
		REFERENCE NO.	804418
		DAY TIME TELEPHONE NO. (AREA CODE)	
Do you authorize NHTSA to provide a copy of this report to the Manufacturer of your vehicle? YES ☐ NO ☐ In the absence of an authorization, NHTSA WILL NOT provide your name or address to the vehicle manufacturer.			
SIGNATURE OF OWNER		DATE	
VEHICLE INFORMATION			
VEHICLE IDENTIFICATION NO.* 1LNLM81W8NY		VEHICLE MAKE LINCOLN	VEHICLE MODEL TOWN CAR
MODEL YEAR 1992			
*LOCATED AT BOTTOM OF WHEEL WELL ON DRIVER'S SIDE			
CURRENT MILEAGE READING 12	DATE PURCHASED ☐ NEW ☒ USED	DEALER'S NAME, CITY & STATE	ENGINE SIZE (CID/CCL) ☐ TURBO ☐ DIESEL ☐ GAS ☐ FUEL INJECTN
TRANSMISSION TYPE ☐ MANUAL ☒ AUTOMATIC	ANTILOCK BRAKES ☒ YES ☐ NO	RESTRAINT SYSTEM ☐ DRIVER'S SIDE AIRBAG ☐ MOTORSEAT ☐ PASSENGER'S SIDE AIRBAG ☐ 2-POINT BELT ☐ 2-POINT BELT	NO. CYLINDERS
		CRUISE CONTROL ☐ YES ☒ NO	DRIVETRAIN ☐ FRONT ☐ REAR ☐ ALL-WHEEL
			SEAT STYLE STANDARD 4 OR 2 OR 1 OR MATCH SH VAN PK UP TRN OTHER
FAILED COMPONENT(S)/PART(S) INFORMATION (REPORT THE INFORMATION ON BACK)			
COMPONENT 02700000	PART NUMBER 1185	LOCATION ☒ LEFT FRONT ☐ RIGHT REAR	FAILED PARTS ☐ ORIGINAL ☐ REPLACEMENT
NO. OF FAILURES	DATE(S) OF FAILURE 13 Oct 96	MANUFACTURER CONTACTED ☐ YES ☐ NO	NHTSA PREVIOUSLY CONTACTED ☐ YES ☐ NO
	MILEAGE AT FAILURE 1000		
	VEHICLE SPEED AT FAILURE		
APPLICABLE ACCIDENT INFORMATION			
ACCIDENT ☐ YES ☒ NO	FIRE ☒ YES ☐ NO	NUMBER PERSONS INJURED	NUMBER OF FATALITIES
		PROPERTY DAMAGE \$	POLICE REPORT ☐ YES ☒ NO
NARRATIVE DESCRIPTION OF FAILURE(S), ACCIDENT(S), INJURY(IES)			
VEHICLE SITTING STILL. NEIGHBORS SAW SMOKE COMING FROM GARAGE, VEHICLE CAUGHT ON FIRE. THERE WAS AN EXPLOSION AND THE TIRES BLEW OUT/WINDSHIELD BLEW OUT AND DASH MELTED. *AK			
CONTINUE ON BACK IF NEEDED			
The Agency will not release this information to the public without your written consent. *Any information is released pursuant to a written request in the National Highway Traffic Safety Administration's Freedom of Information Act.		Do not fill out the NHTSA form unless you are a manufacturer or dealer who has been notified by NHTSA to do so. If the NHTSA proceeds with enforcement of the law, your refusal to fill out this form, or a written summary report, may be used in evidence of the agency's action.	

ODINO 541041

From:
Sent:
To:
Subject:



ATT00029.html

Dear Congressman:

I am very concerned about the safety of the 1992 Lincoln Towncar. My mother recently lost her house and all her property because her 1992 Lincoln Towncar caught on fire in her garage. She was lucky to escape with her life. Initial fire reports indicate that the fire started under the hood on the driver side of the vehicle while it was sitting in the garage and not running. My research indicates that this is not the first problem with this model Towncar.

An article in the Indian River County Press Journal dated 22 June, 1998, reports that Lincoln fires are set to ignite a national probe citing many fires that have started in the left front wheel well. My research also indicates that Ford issued a recall of 8.7 million vehicles targeting faulty ignition switches that included the 1992 Town Car. My mother never received notification of such a recall and a search of the vehicle identification number on her 1992 Lincoln revealed that it was never recalled.

I am enraged that a safety hazard such as this could exist and continue to destroy the lives of so many people with out the government stepping in to help. According to the Press Journal article, insurance companies are suing Ford Motor Company to recover their losses. What about the emotional and physical losses to the people who lost their cars and, in many cases, their homes.

I am writing this letter out of concern for the welfare of people like my mother who are driving a ticking time bomb and don't know it.

I am asking your help in addressing this problem. If you know of any ongoing investigation or have the address of anyone in the government that can help with this problem, please support their efforts. It is just a matter of time until someone will be burned to death in a house fire started by a 1992 Lincoln Town Car.

Thank you,

You can contact me at:

The Honorable Congressman:

NOTICE

The PRIVACY ACT of 1974 requires that written consent be obtained from the constituent before information can be disclosed from records with a federal agency. So that Congressman [redacted] might act on your behalf, he would appreciate that you sign the following statement. (If you are inquiring on behalf of another person, it is necessary that they sign the statement.)

DATE: 8-23-91

NAME: _____

ADDRESS: _____

APT #: _____

CITY: _____

STATE: Florida ZIP CODE: _____

HOME PHONE: _____

WORK PHONE: _____

SOCIAL SECURITY: _____

DATE OF BIRTH: _____

ALIEN #: A _____ VETERAN CLAIM #: C _____

Please state the problem briefly:

My Lincoln town car 1991 model caught
on fire in my garage on May 8th 1991 which
burned up the car and most of my house.
I am staying with my son until my
house is rebuilt. initial investigation
reveals that it was the fault of the automobile
and recent newspaper articles indicate that there
is a problem with 1991 Lincoln town cars in the
nation. Lincoln should be made to recall
faulty vehicles and provide compensation to those affected.

SIGNATURE: _____

Thank
you

(Please fill out both sides of form)

See enclosed article.

JUN 15 '98

125

June 11, 1998

PRIVILEGED AND CONFIDENTIAL

RE: YOUR FILE #
ASSURED :
ADDRESS :
Date Of Loss :
FRC FILE # :

2952

ASSIGNMENT

The above captioned matter was assigned in order to conduct an investigation to determine the origin and cause of the fire that occurred on May 8, 1998 and damaged the captioned vehicle and residence.

DETAILS

The investigation was conducted on May 11, 1998. Present during the investigation was Mr. Ray Davis an Investigator for Ford Motor Company.

DESCRIPTION OF THE VEHICLE

The vehicle that was examined was a 1992, Lincoln, Towncar, automobile, White in color, with 4 doors, and 2 wheel drive. The vehicle was identified further by: VIN# 1LNLM51W3NN and 1998, Florida, TAG # RRV 882.

PHYSICAL EXAMINATION

EXTERIOR

Inspection of the vehicle exterior revealed that the fire was initiated in the drivers side or left front of the vehicle engine compartment with flame spread toward the rear of the vehicle with penetration into the passengers compartment primarily through the

3713 6192

windshield. Fire patterns observed on the surrounding structural components of the residence also confirm flame spread from the left front of the vehicle.

ENGINE COMPARTMENT

Inspection of the engine compartment revealed a 4.5 liter, 3 cylinder, fuel injected gasoline engine. The majority of the damage appears on the drivers side of the engine compartment with damage to the rear half of the fiberglass valve cover. The other side of the engine, though damaged, exhibited evidence of rubber hoses and other combustible materials such as plastics, etc. The rubber hoses normally found extending from the ends of the metal fuel lines to the fuel rail assembly had burned away during the fire sequence allowing a small amount of fuel spillage that damaged the valve cover aft of the fuel line position. Below the master brake cylinder, at a position just above the steel frame, a brake system pressure switch was located that exhibited melting of its metal components.

PASSENGER COMPARTMENT

Inspection of the passengers compartment revealed flame penetration through the windshield and to a smaller extent through some of the cutouts through the engine compartment firewall. There was no evidence of initiation of the fire sequence in the passengers compartment.

FUEL SYSTEM

Inspection of the fuel system revealed no evidence of rupture of the fuel tank or failure of the metal fuel lines from the tank to the engine compartment. There was no evidence of involvement of the fuel system in the initiation of the fire sequence.

ELECTRICAL SYSTEM

Inspection of the electrical system revealed no evidence of fault or failure in any of the wiring observed in the vehicle. The wiring in the area of fire origin did exhibit some annealing of copper connectors in the wiring harness adjacent to the area of the brake system pressure switch. The battery was melted from external flame impingement.

FIRE PATTERNS

Fire patterns were observed emanating from the area adjacent to the brake system pressure switch where a distinct truncated cone fire pattern was observed on the firewall with communication of the fire to wiring insulation, rubber hoses, other plastic components, brake fluid from the master cylinder, the aluminum hood and passenger compartment seats, headliner, etc.

SAMPLES

The entire 1982 Lincoln Towncar remains was taken into evidence.

SUMMARY

Analysis of the fire patterns, combined with observation of the several systems and areas of the vehicle has revealed that the fire initiated in the area of the brake system pressure switch located below the master cylinder on the drivers side of the engine compartment with flame spread upward and outward from that point.

Other information received from Island Lincoln Mercury indicates that they have had two (2) other Lincoln Towncars catch fire at their facility. One (1) was in the shop at the time the fire started and the other was in the service dept. parking area. The fire in the vehicle in the shop area was observed to have started from the ignition of brake fluid that had saturated the electrical connector to the brake system pressure switch located below the master brake cylinder, shorting across the connector. The fluid had come from a leak in the pressure switch. The other vehicle fire started in the same area. From looking at the 1982 Lincoln Town Car electrical & vacuum troubleshooting manual it was learned that the brake system pressure switch is always energized.

It is the opinion of this organization that the fire is, in all probability, the result of a fluid leak in the brake system pressure switch that allowed brake fluid to saturate the electrical connector to the switch, shorting out the connector, thereby, initiating the fire sequence.

PHOTOGRAPHIC INDEX

1. View of the rear of the vehicle sitting in the garage.
2. View of the vehicle license tag for identification.
3. View of the passengers side rear of the vehicle looking forward.
4. View of the drivers side rear of the vehicle looking forward.
5. View of the drivers side front of the vehicle showing more damage to the drivers side than to the passengers side.
6. View of the engine compartment prior to debris removal.
7. View of the drivers side of the engine compartment prior to debris removal.
8. View of the drivers side of the engine compartment after debris removal.
9. View looking toward the firewall on the drivers side of the engine compartment. The arrow points toward the remains of the brake system pressure switch.

JUN 1

12/15

10. Close-up of the brake system pressure switch remains. (Arrow)

I have appreciated being of service to you and trust that this report is sufficiently complete. If, however, more detailed descriptions, additional information or photographs are needed, please advise.

Respectfully submitted,

ENCLOSURE
Enclosures
CC: File

3713 5196

JUN 1

PHOTOS

P. 11/13



Assured _____

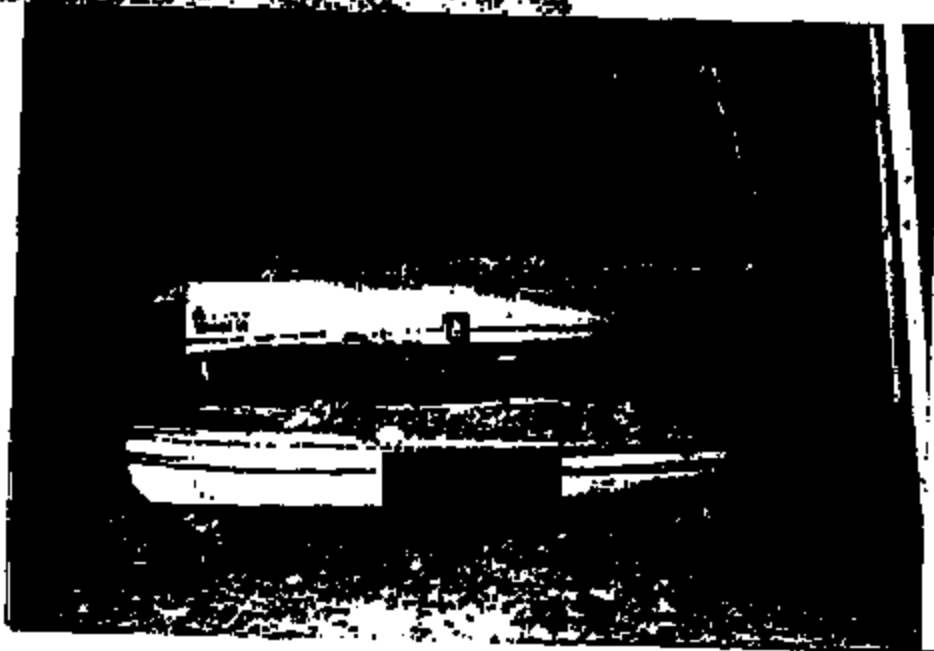
Claimant: _____

Date/Time Photographs: _____

By: _____

Picture # _____
Description (V) _____

Picture # 2
Description (H) _____



JUN 13

P. 12/13

PHOTOS

Insured

Assured

File No

Claimant

Date/Time Photographs

By

Picture #

3

Description (V)



Picture #

4

Description (V)





Assured _____

Claimant: _____

Date/Time Photographs: _____

By: _____

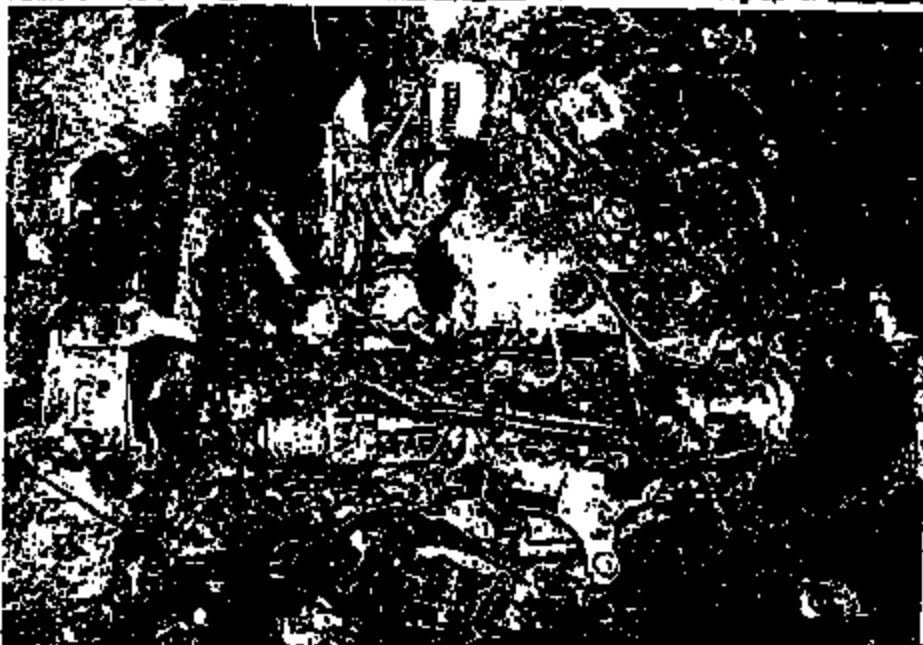
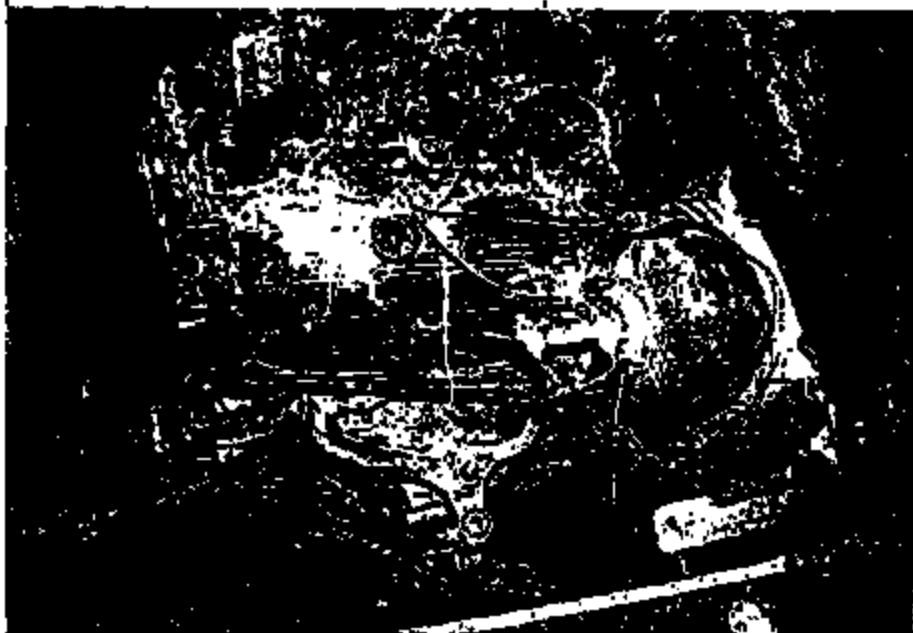
Picture # 5
Description (V) ☐Picture # 6
Description (H) ☐

PHOTOS

Insurer _____ Assured _____

File No. _____ Claimant: _____

Date of Accident: _____ Date/Time Photographs: _____

Picture # 7 ▲
Description (M) .Picture # 8 ▼
Description (M)

PHOTOS

1.15/13

Insurer _____ Assured _____

Pkg No. _____ Claimant: _____

Date of Accident: _____ Date/Time Photographs: _____

Picture # 9 ▲
Description (H)Picture # 10
Description (H) ▼