

EA03-014

**FORD 12/11/03
LETTER TO ODI**

ATTACHMENT G

BOOK 6 OF 10

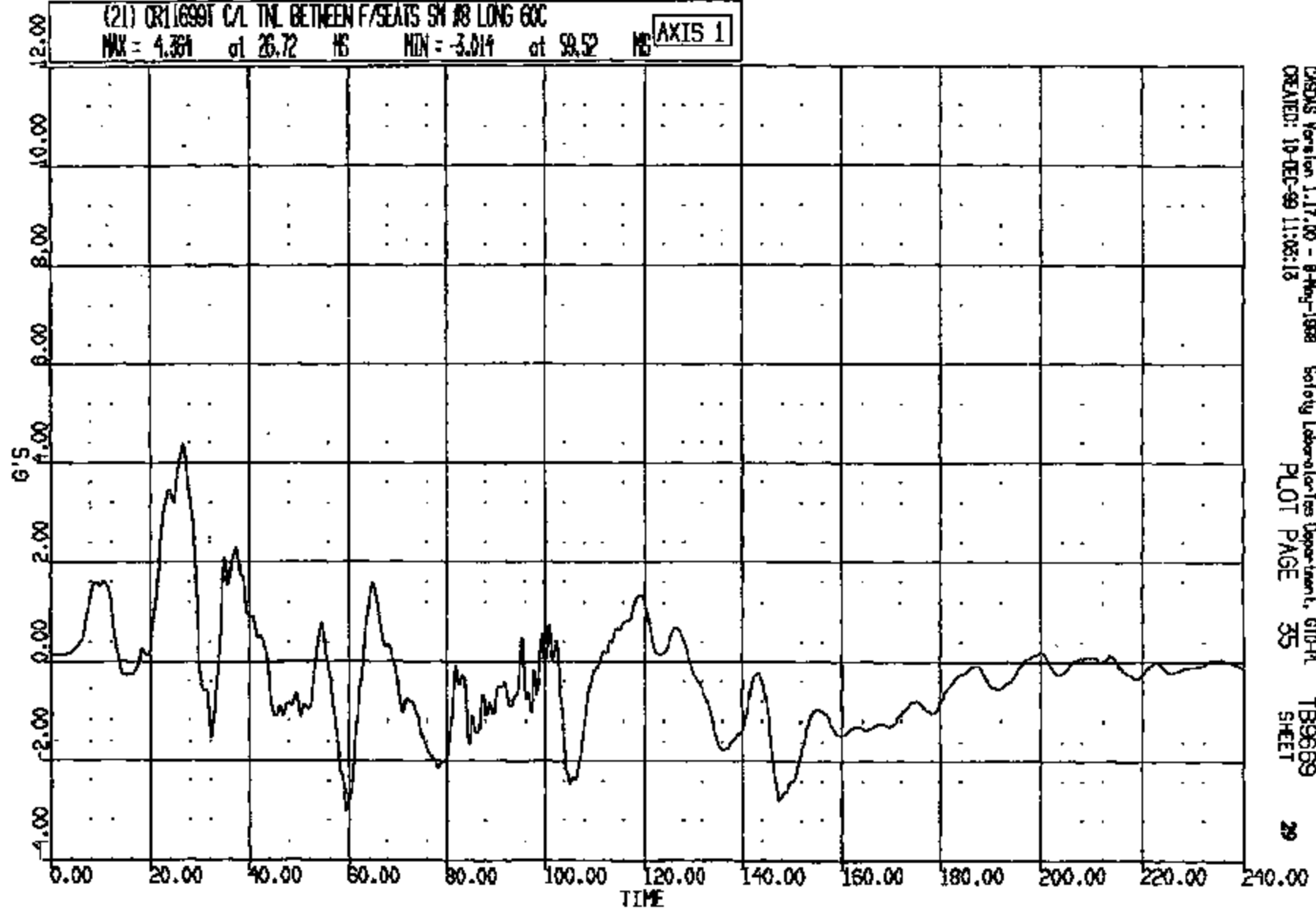
PART 4 OF 4

CR R: 11699 TO: TB9669 DATE: 991210 10:38:48
2001 FN-14SLWB

(21) CR11699T C/L TNL BETWEEN F/SEATS SH #3 LONG 600

MAX = 4.361 at 26.72 MS MIN = -3.014 at 99.52 MS

AXIS 1



CASAS Version 1.17.00 - 8-May-1998
CREATED: 10-DEC-99 11:03:18

Safety Laboratories Department, GID-PL
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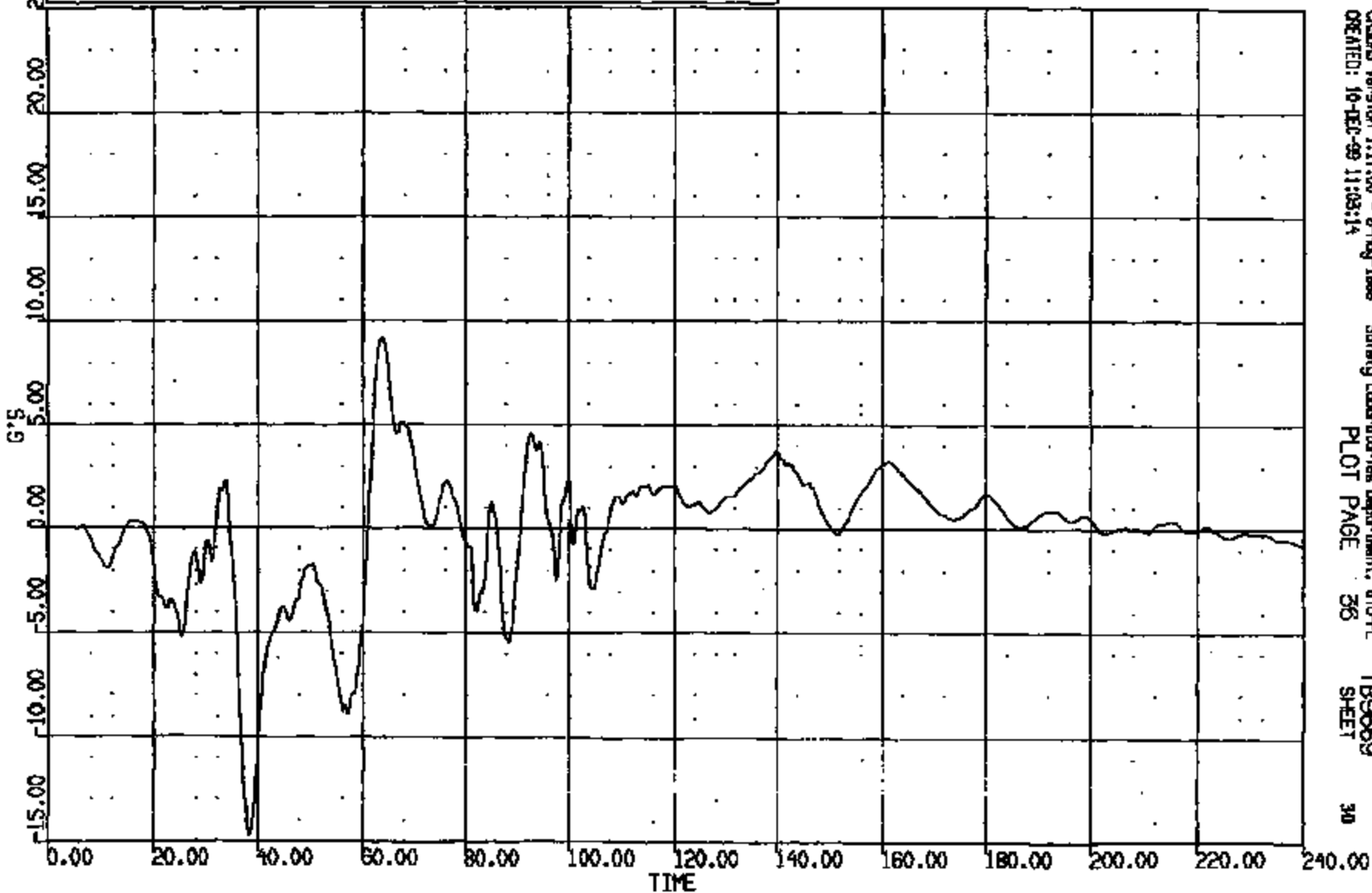
CRIS 0011699

CR R: 11699 TO: TB9669 DATE: 991210 10:38:49
2001 FN-145LLWS

(22) CR11699T C/L TNL BETWEEN F/SEATS SH #8 VERT GOC

MAX = 9.155 at 63.76 HS MIN = -14.78 at 38.32 HS

AXIS 1



CASMS Version 1.17.00 - 8-May-1988
CREATED: 10-DEC-99 11:03:14

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PLOT PAGE 36 TB9669

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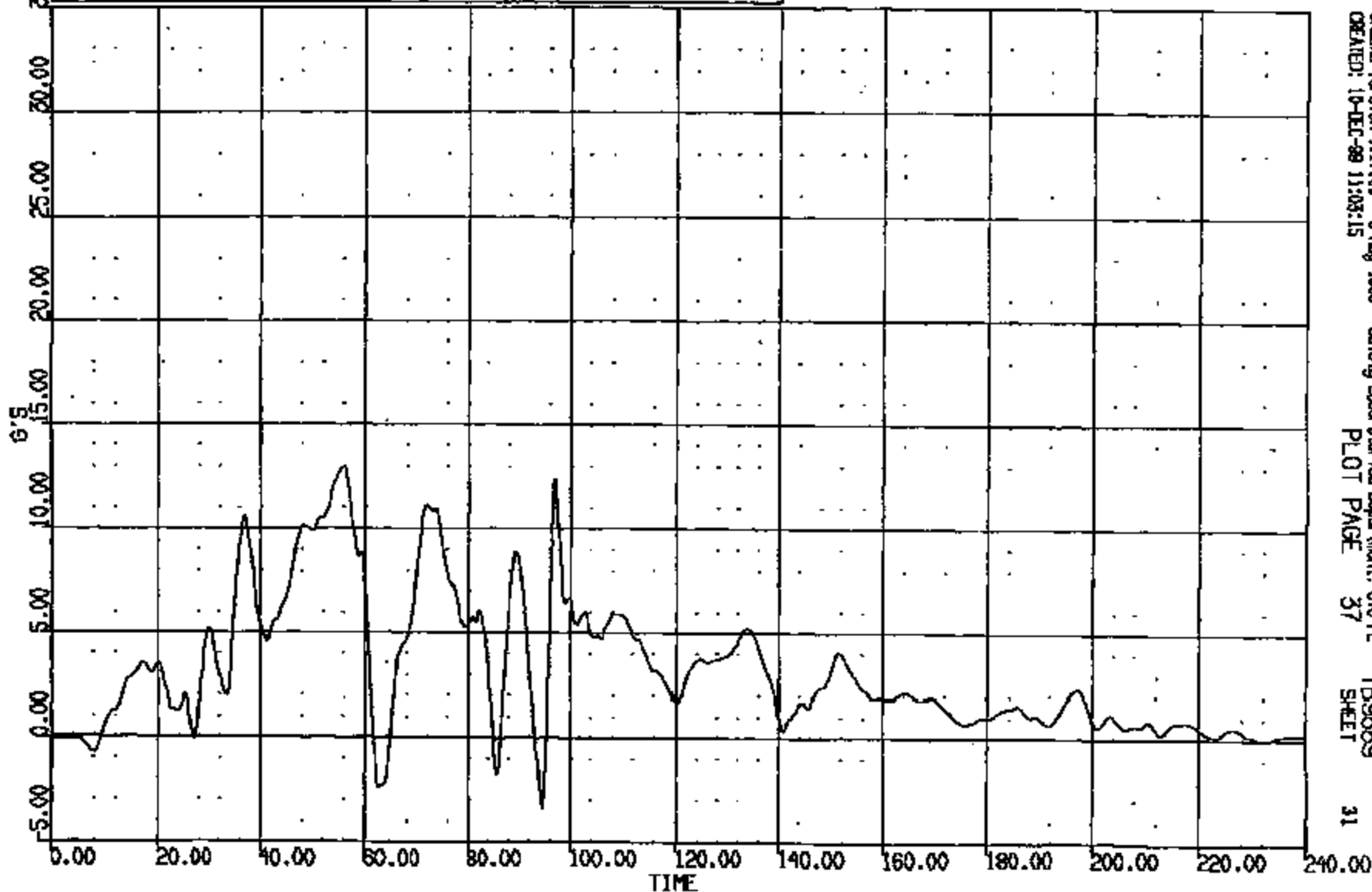
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CR R: 11699 TO: T89669 DATE: 991210 10:38:49
2001 FN-145LWB

(23) CR11699T C/L TML BETWEEN F/SEATS SH #8 LAT 60C

MAX = 12.95 at 56.08 MS MIN = -3.390 at 94.48 MS

AXIS 1



CAEM5 Version 1.17.00 - 8-May-1999
CREATED: 10-DEC-99 11:03:15

Safety Laboratories Department, 610-PL
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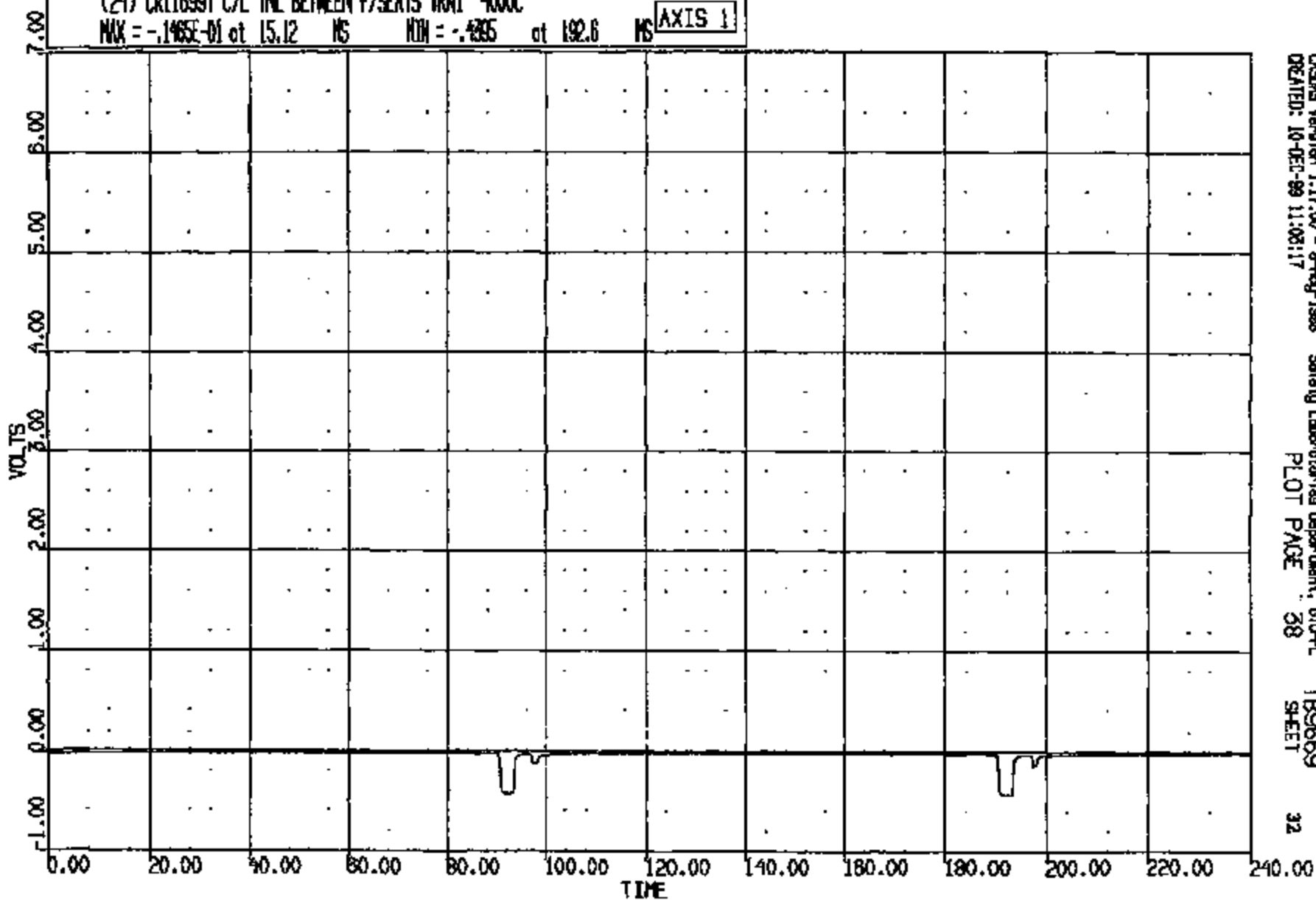
CRIS 0011699

CR R: 11699 TO: TB9669 DATE: 991210 10:58:49
2001 FN-146LWB

(24) CRL1699T C/L TNL BETWEEN F/SEATS TRAIL 4000C

NAK = -.1465E-01 at 15.12 MS NTH = -.4335 at 192.6 MS

AXIS 1



CRTS 0011699

CASPER Version 1.17.00 - 9-May-1988
CREATED: 10-DEC-99 11:02:17

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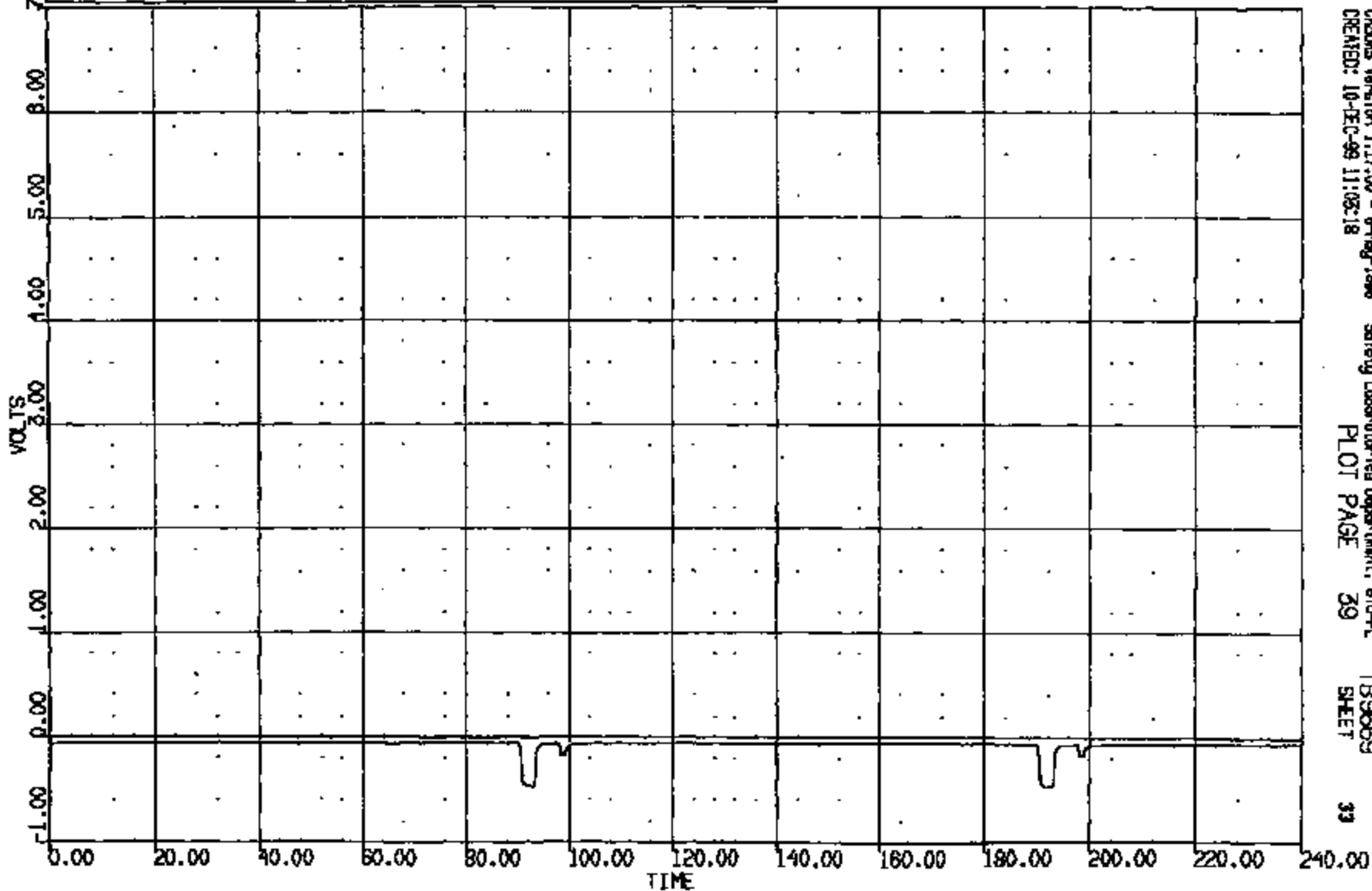
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CR R: 11899 TO: TB9669 DATE: 991210 10:56:48
2001 FN-145LWB

(25) CR116991 C/L INL BETWEEN F/SEATS TR42 4000C

MAX = -.5371E-01 at 14.24 MS MIN = -.4785 at 92.64 MS

AXIS 1



CASMS Version 1.17.00 - 6-May-1998
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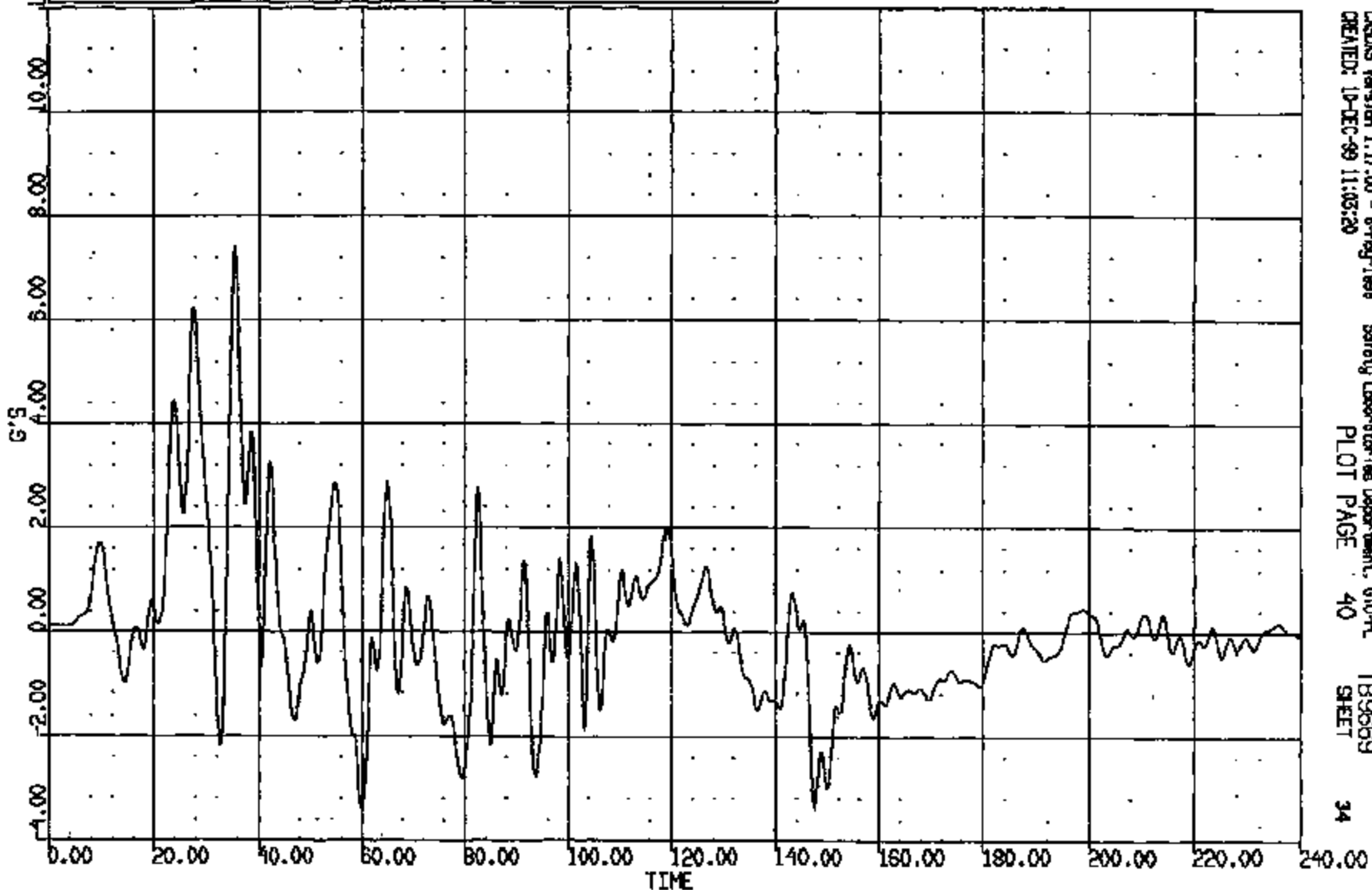
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CR R: 11699 TO: TB9669 DATE: 991210 10:38:49
2001 FN-145LWB

(26) CR11699T C/L INL BETWEEN F/SEATS ROW#17 LONG 60C

MAX = 7.579 at 35.52 MS MIN = -3.388 at 59.92 MS

AXIS 1



CASIS Version 1.17.00 - 8-May-1999
CREATED: 10-DEC-99 11:03:20

Safety Laboratories Department, 610-A
PLOT PAGE 40

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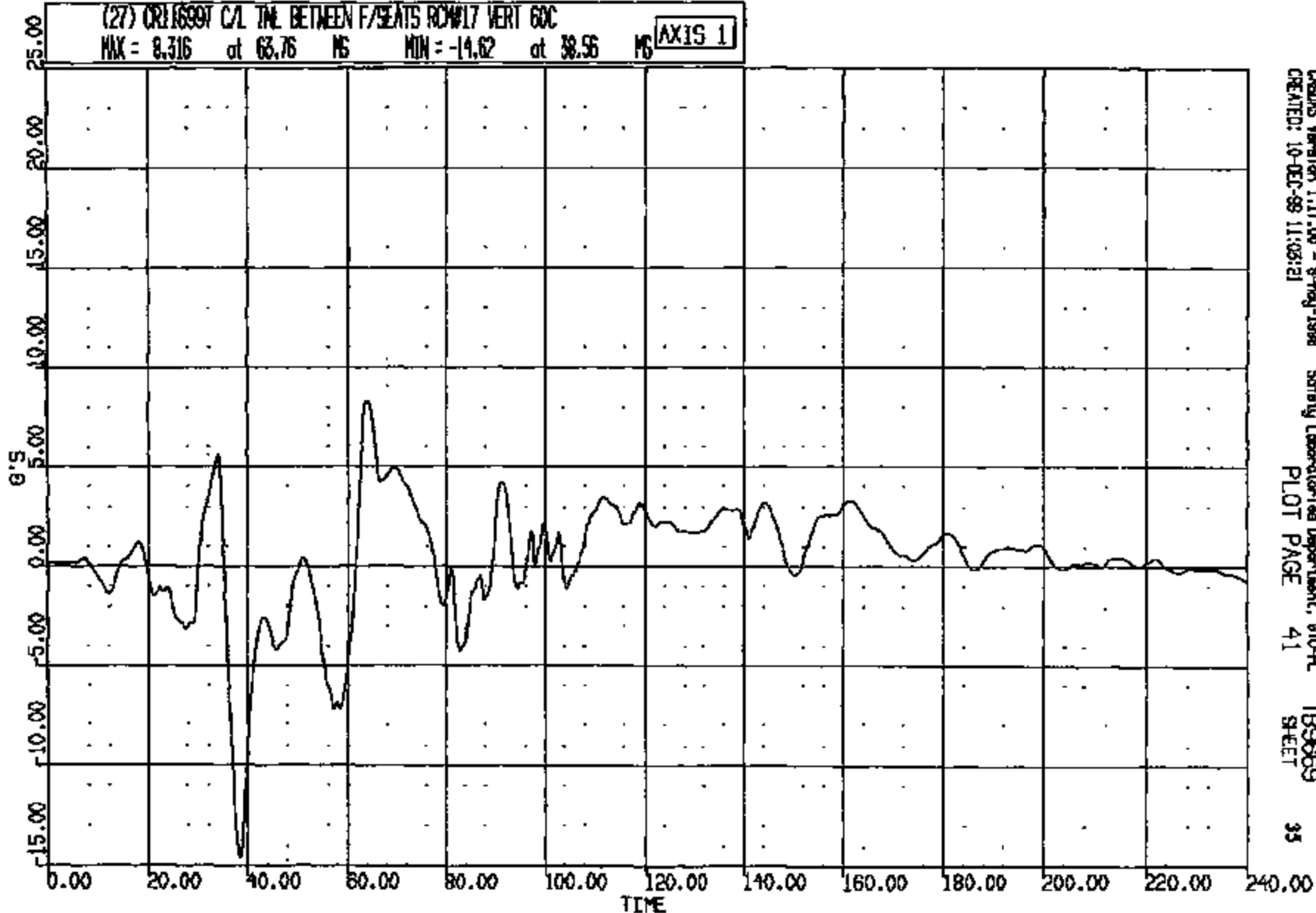
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CR R: 11699 TO: TB9669 DATE: 991210 10:38:40
2001 FN-145LWB

(27) CR11699 C/L TML BETWEEN F/SEATS ROW 17 VERT 60C

MAX = 8.316 at 63.75 MS MIN = -14.62 at 38.56 MS

AXIS 1



CRTS 0011699

CASUS Version 1.17.00 - 8-May-1998
CREATED: 10-DEC-99 11:03:21

Safety Laboratories Department, 610-A
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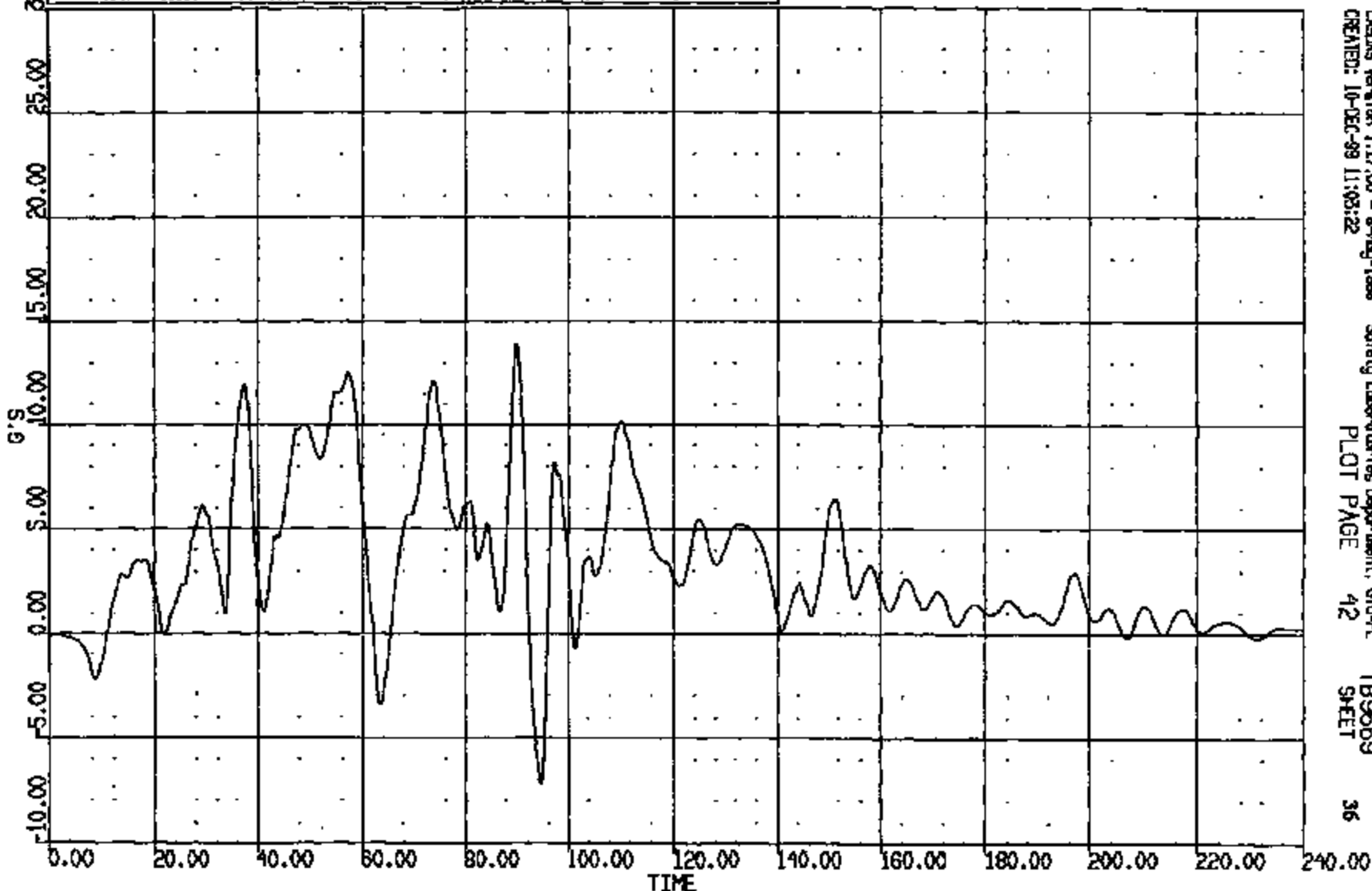
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CR R: 11699 TO: T89689 DATE: 991210 10:58:49
2001 FN-145LWB

(28) CR11699T C/L TNL BETWEEN F/SEATS ROW17 LAT 60C

MAX = 13.90 at 90.16 NS MIN = -7.212 at 94.64 NS

AXIS 1



CRTS 0011699

CASAS Version 1.17.00 - 8-May-1998
CREATED: 10-DEC-99 11:03:22

Safety Laboratories Department, 610-PL
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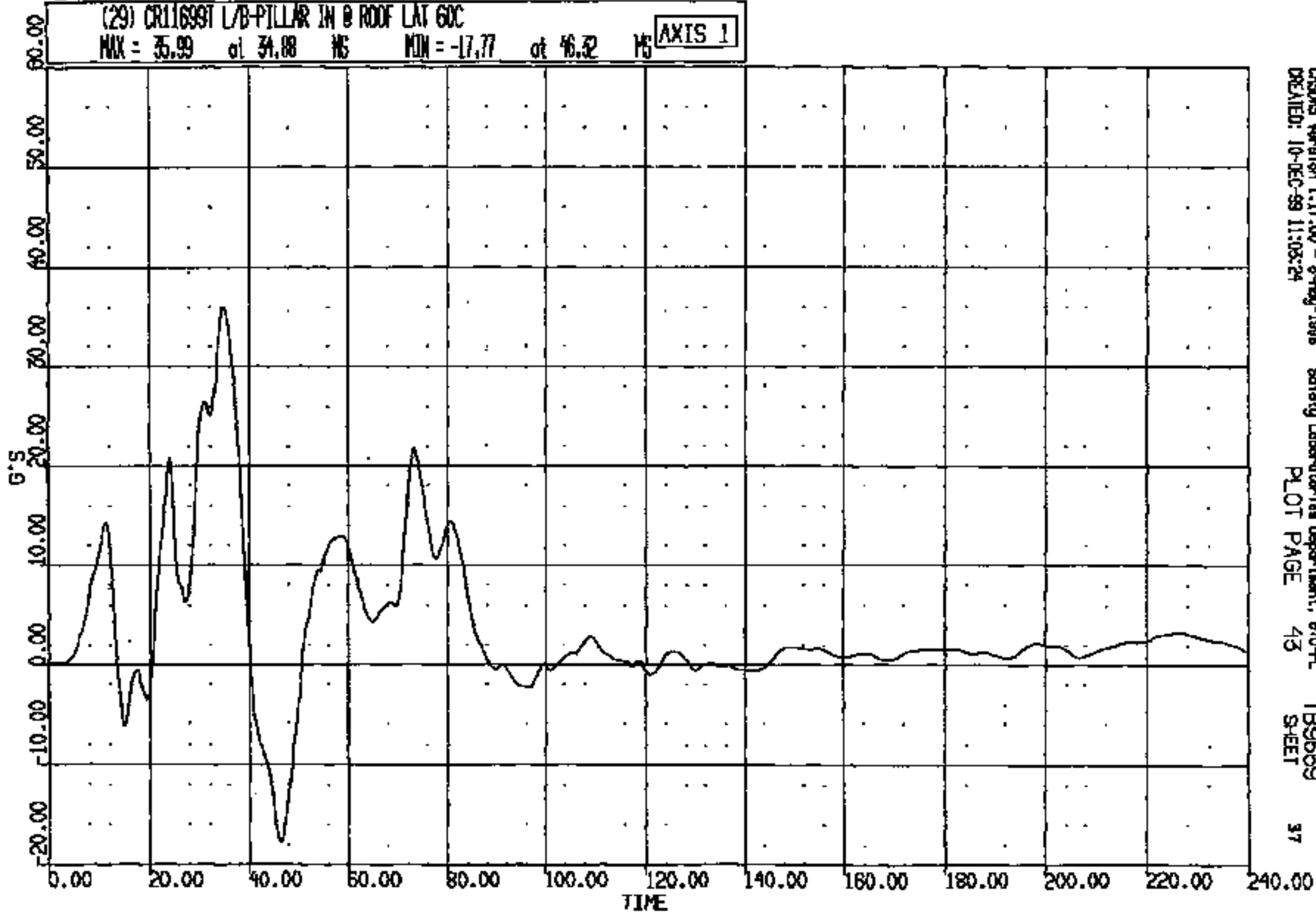
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CR R: 11699 TC: T89669 DATE: 991210 10:38:49
2001 FN-145LWB

(29) CR11699T L/B-PILLAR IN @ ROOF LAT 60C

MAX = 35.99 at 34.88 MS MIN = -17.77 at 46.32 MS

AXIS 1



CRTS 0011699

CASMS Version 1.17.00 - 8-May-1998
CREATED: 10-DEC-99 11:08:24

Safety Laboratories Department, 610-PL
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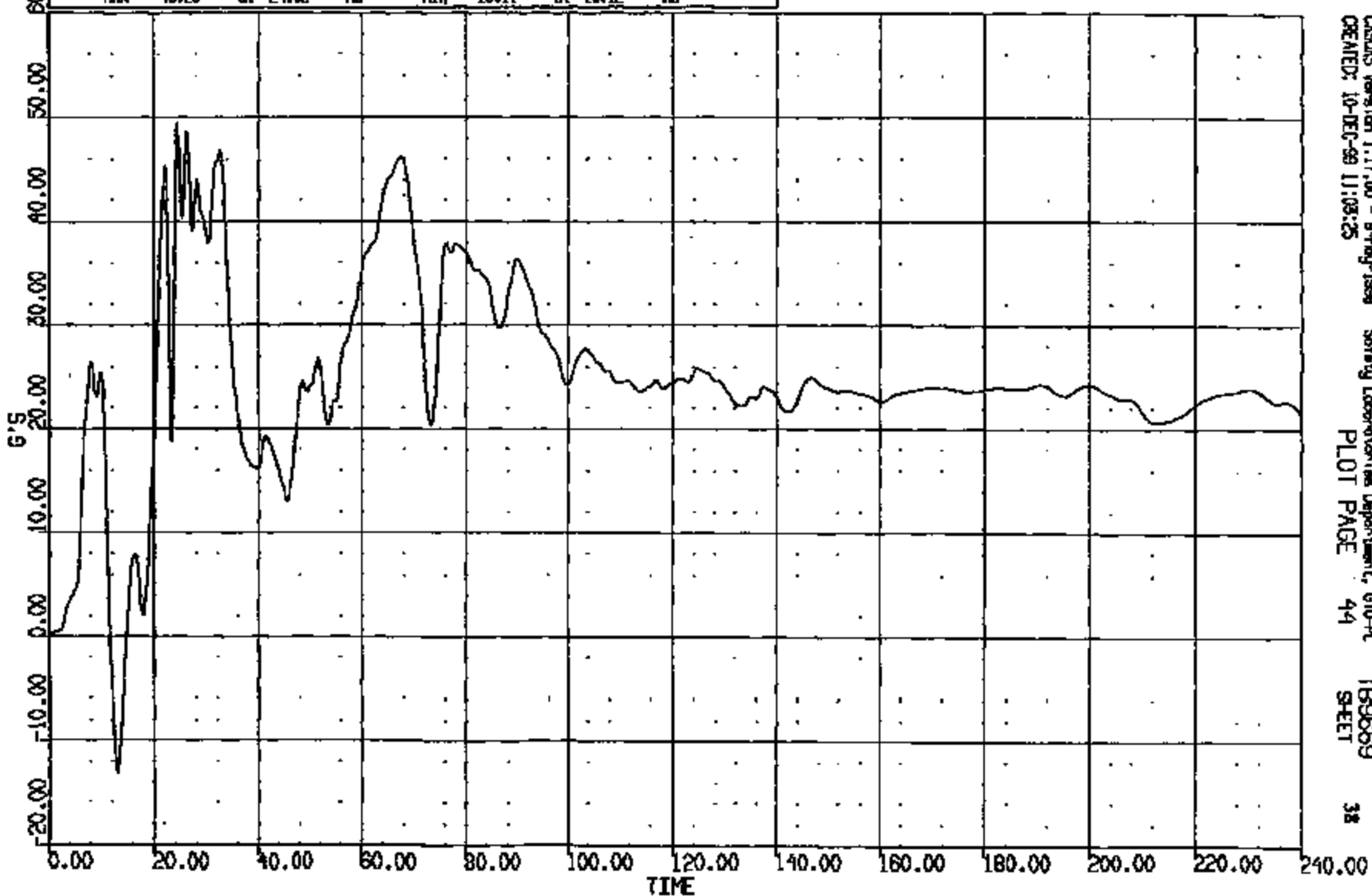
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CR R: 11699 TO: TB9669 DATE: 991210 10:58:48
2001 FN-145LWB

(30) CR11699T L/O-PILLAR IN @ BELTLINE LAT 60C

MAX = 49.25 at 24.32 MS MIN = -13.11 at 13.12 MS

AXIS 11



CASIS Version 1.17.00 - 9-May-1999
CREATED: 10-DEC-99 11:08:25

Safety Laboratories Department, G10-PL
PLOT PAGE 44

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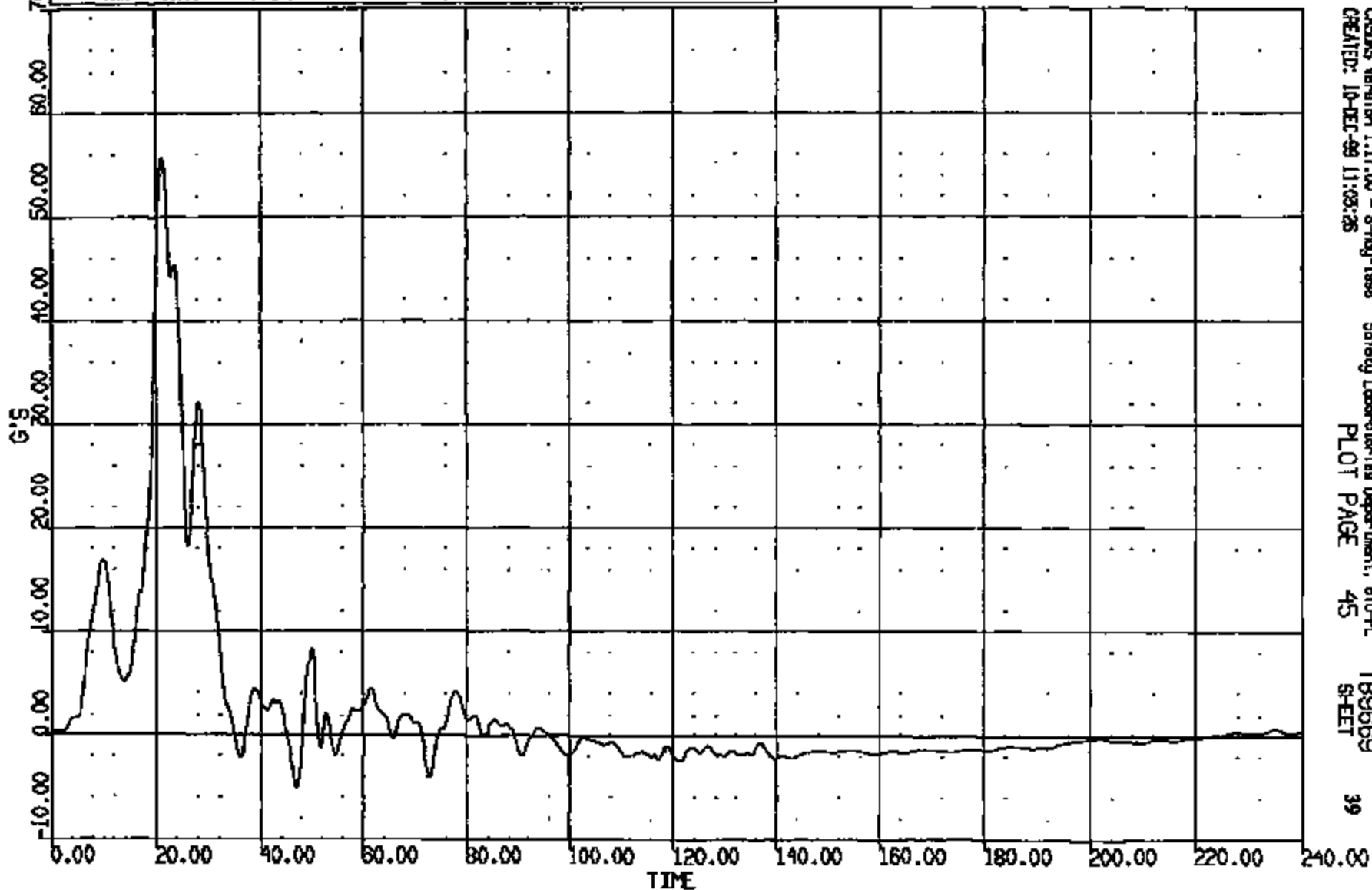
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CR R: 11899 TO: T89669 DATE: 991210 10:58:49
2001 FN-145LWB

(31) CR11699T L/B-PLR IN @ RRR #12 LAT GOC

MAX = 55.70 at 21.12 MS MIN = -5.210 at 46.96 MS

AXIS 1



CRIS 0011699

CASMS Version 1.17.00 - 8-Aug-1998
CREATED: 10-DEC-99 11:03:28

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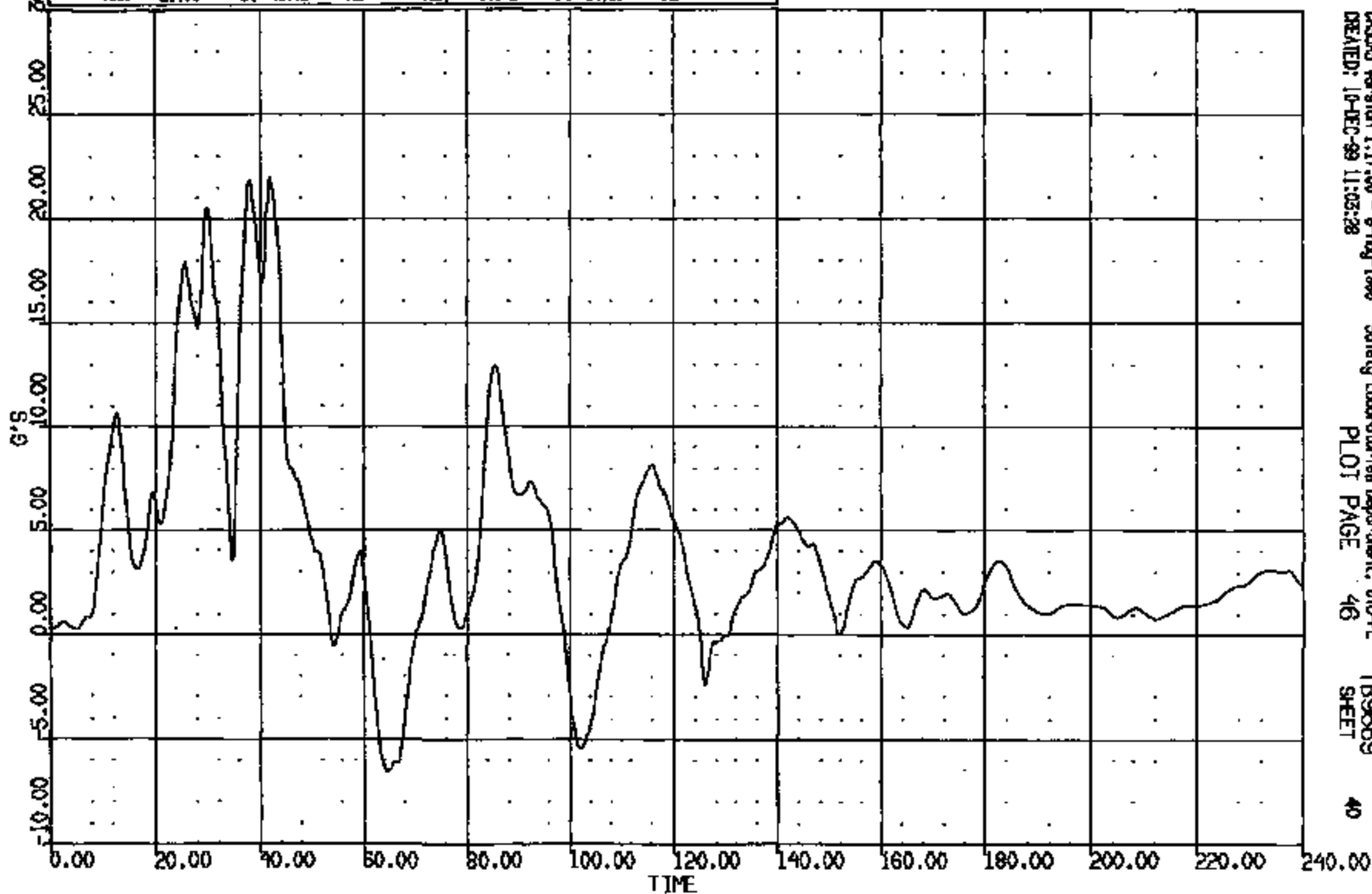
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CR R: 11899 TO: T89669 DATE: 991210 10:38:49
2001 FN-145LWS

(32) CR11699T L/R DOOR @ BELTLINE MID LAT 60C

MAX = 21.96 at 41.92 MS MIN = -6.572 at 64.56 MS

AXIS 1



CRTS 0011699

CASOS Version 1.17.00 - 8-Aug-1999
CREATED: 10-DEC-99 11:03:28

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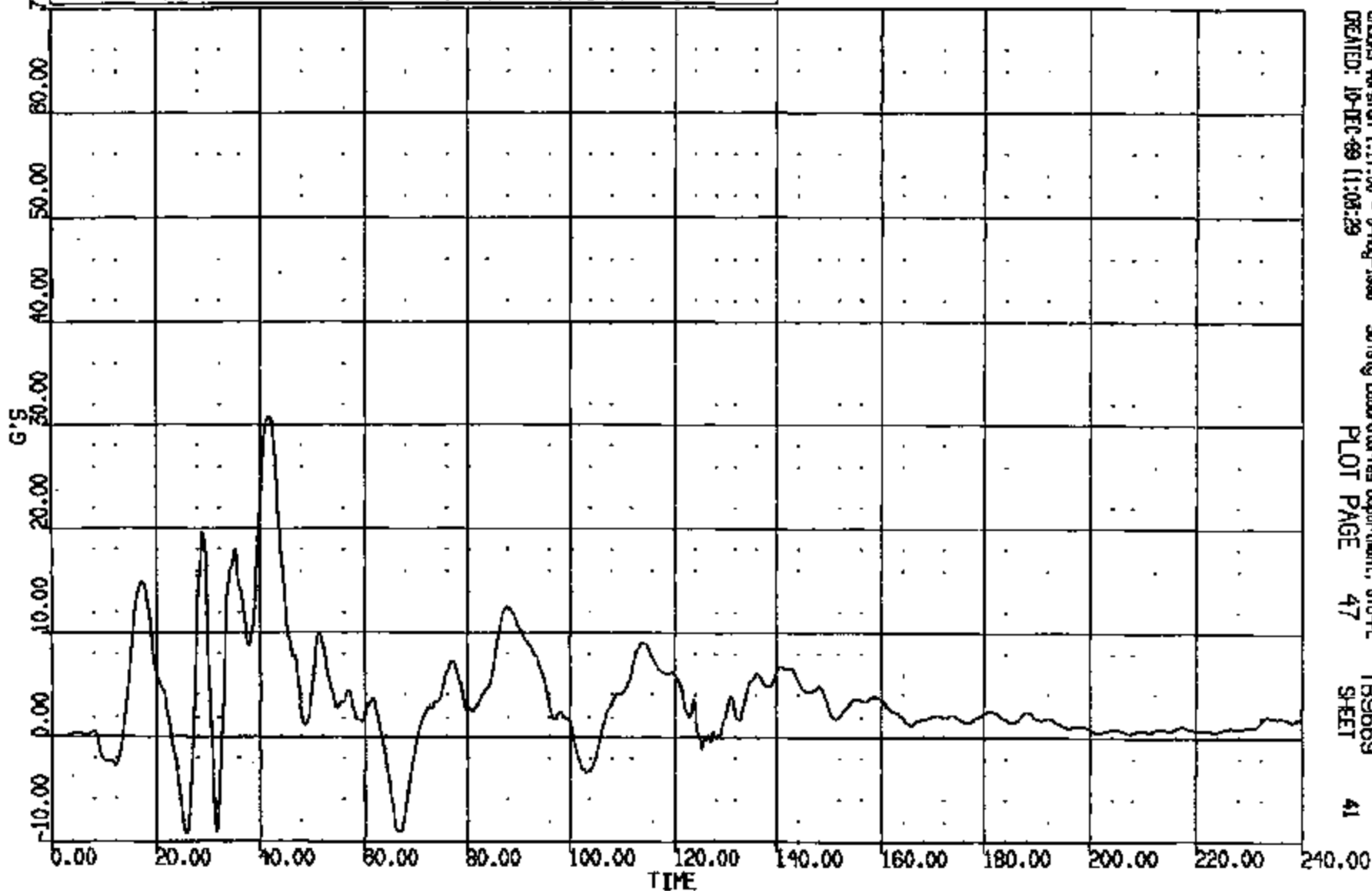
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CR R: 11699 TO: TB9669 DATE: 991210 10:38:49
2001 FN-145LWB

(33) CR11699T L/R DOOR OVER AIRREST LAT 60C

MAX = 30.79 at 41.76 MS MIN = -9.357 at 25.76 MS

AXIS 1



CRAMS Version 1.17.00 - 9-May-1998
CREATED: 10-DEC-99 11:03:29

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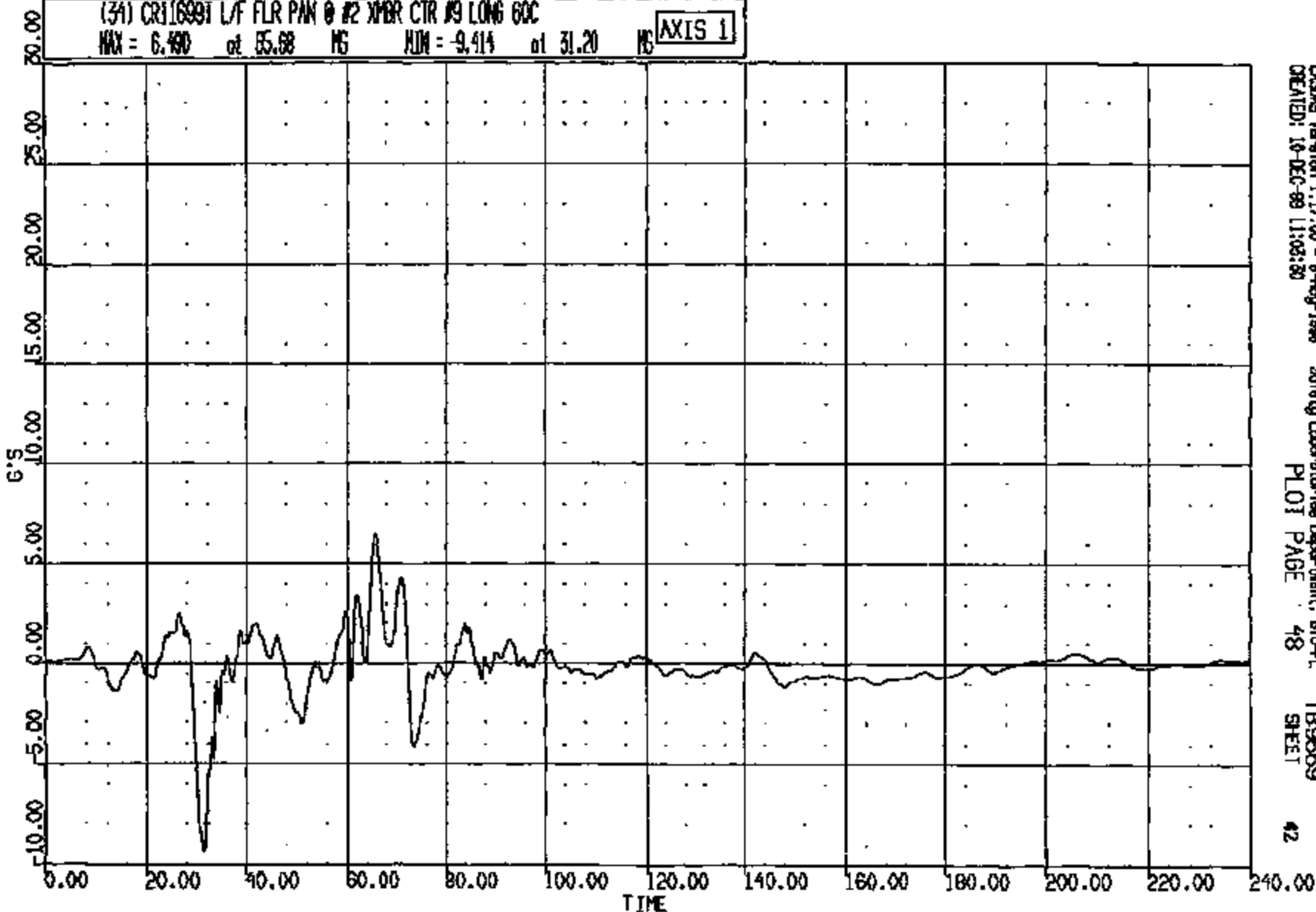
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CR R: 11699 TO: T89669 DATE: 991210 10:58:49
2001 FN-145LWB

(34) CR116991 L/F FLR PAN 0 #2 XMR CTR #9 LONG 60C

MAX = 6.490 at 35.68 MS MIN = -9.414 at 31.20 MS

AXIS 1



CASME Version 1.17.00 - 8-May-1998
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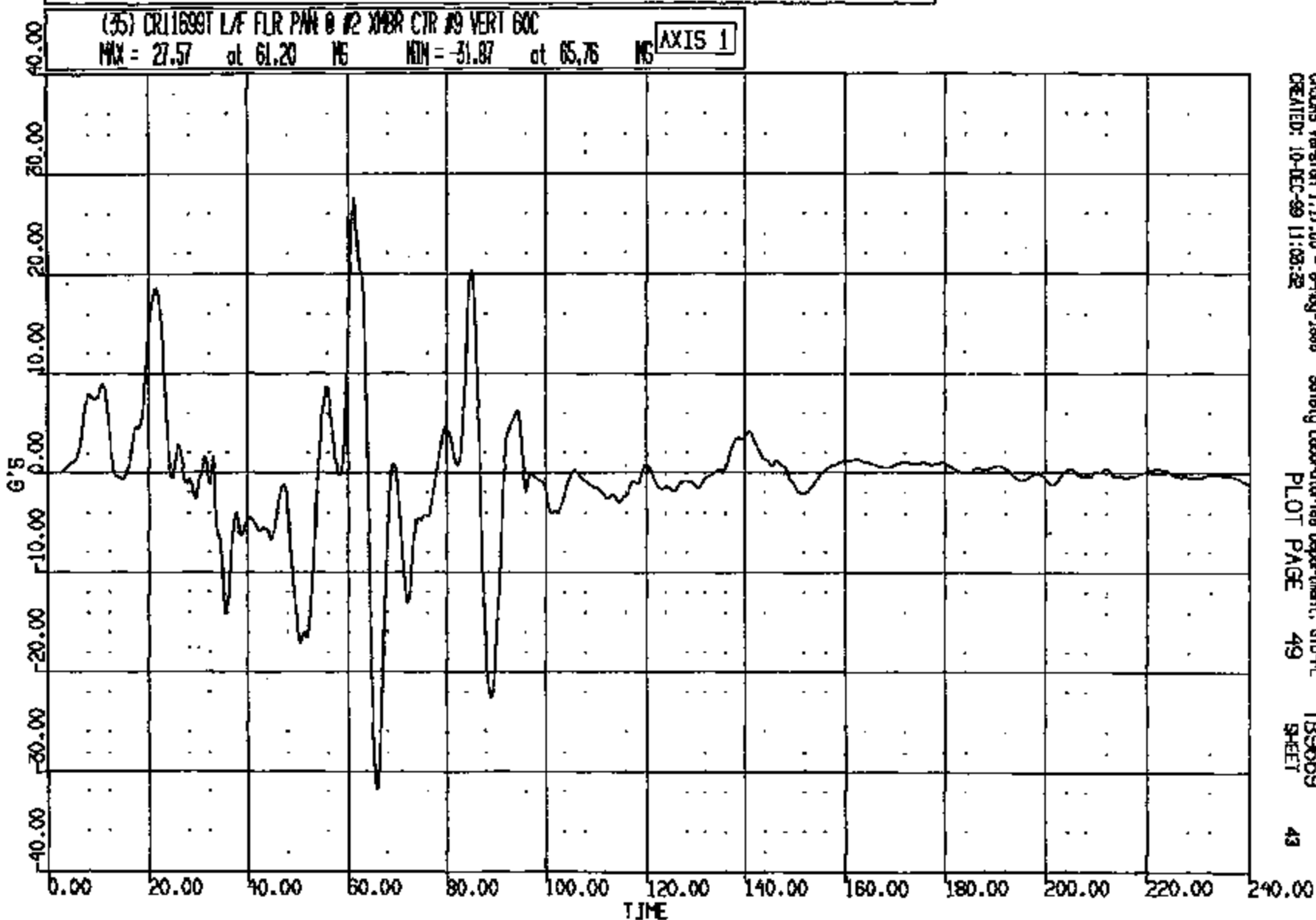
Safety Laboratories Department, EIO-PL
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CRTS 0011699

CR R: 11699 TO: TB9669 DATE: 991210 10:39:49
2001 FN-145LWS



CASAS Version 1.17.00 - 8-May-1999
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Safety Laboratories Department, STD-PL
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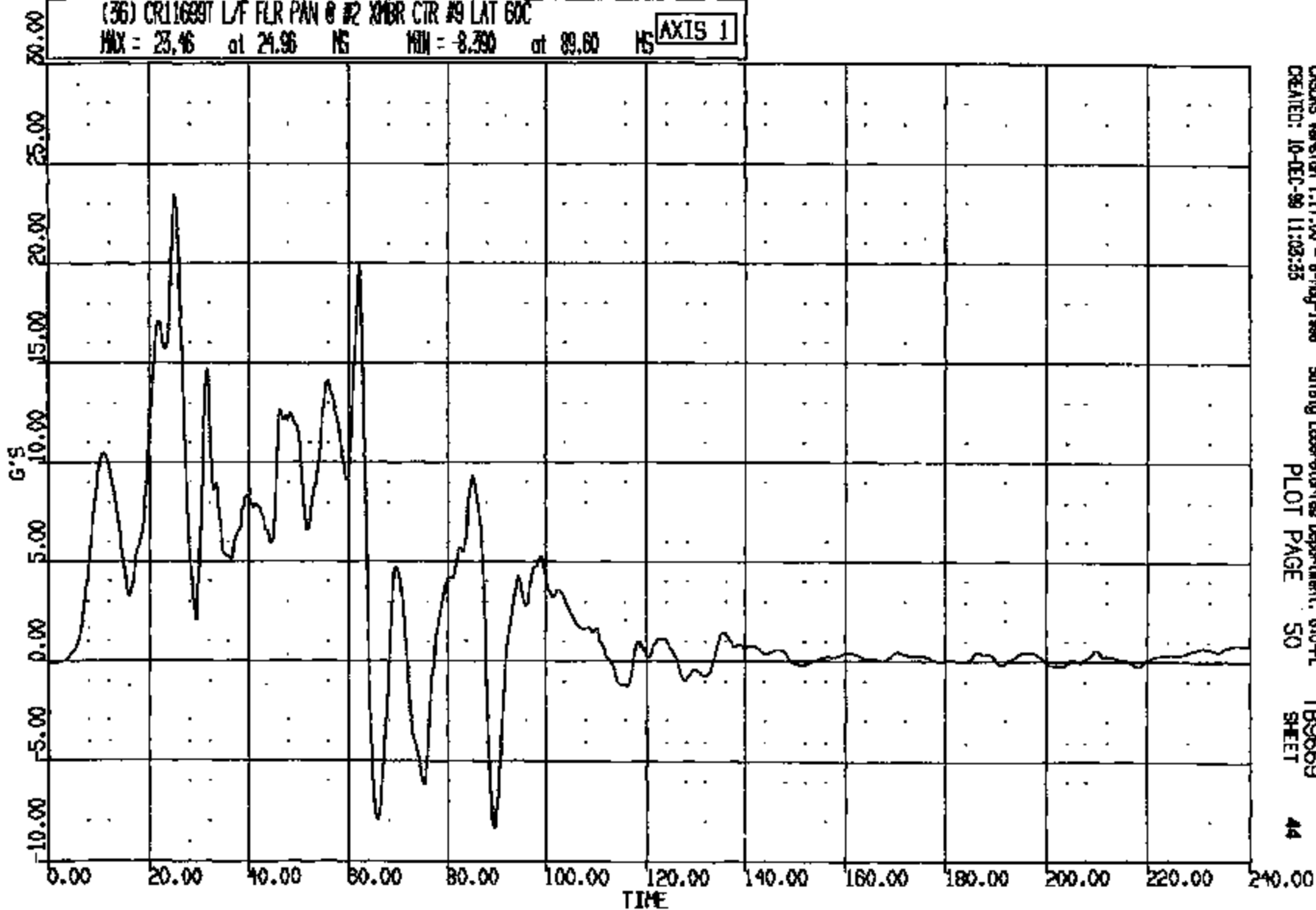
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CR R: 11699 TO: TB9669 DATE: 991210 10:38:48
2001 FN-145LWB

(36) CR11699T L/F FLR PAN @ #2 XMR CTR #9 LAT 60C

MAX = 23.46 at 24.96 NS MIN = -8.390 at 89.60 NS

AXIS 1



CRIS 0011699

CRIS Version 1.17.00 - 8-May-1998
CREATED: 10-DEC-99 11:03:33

Safety Laboratories Department, G10-PL
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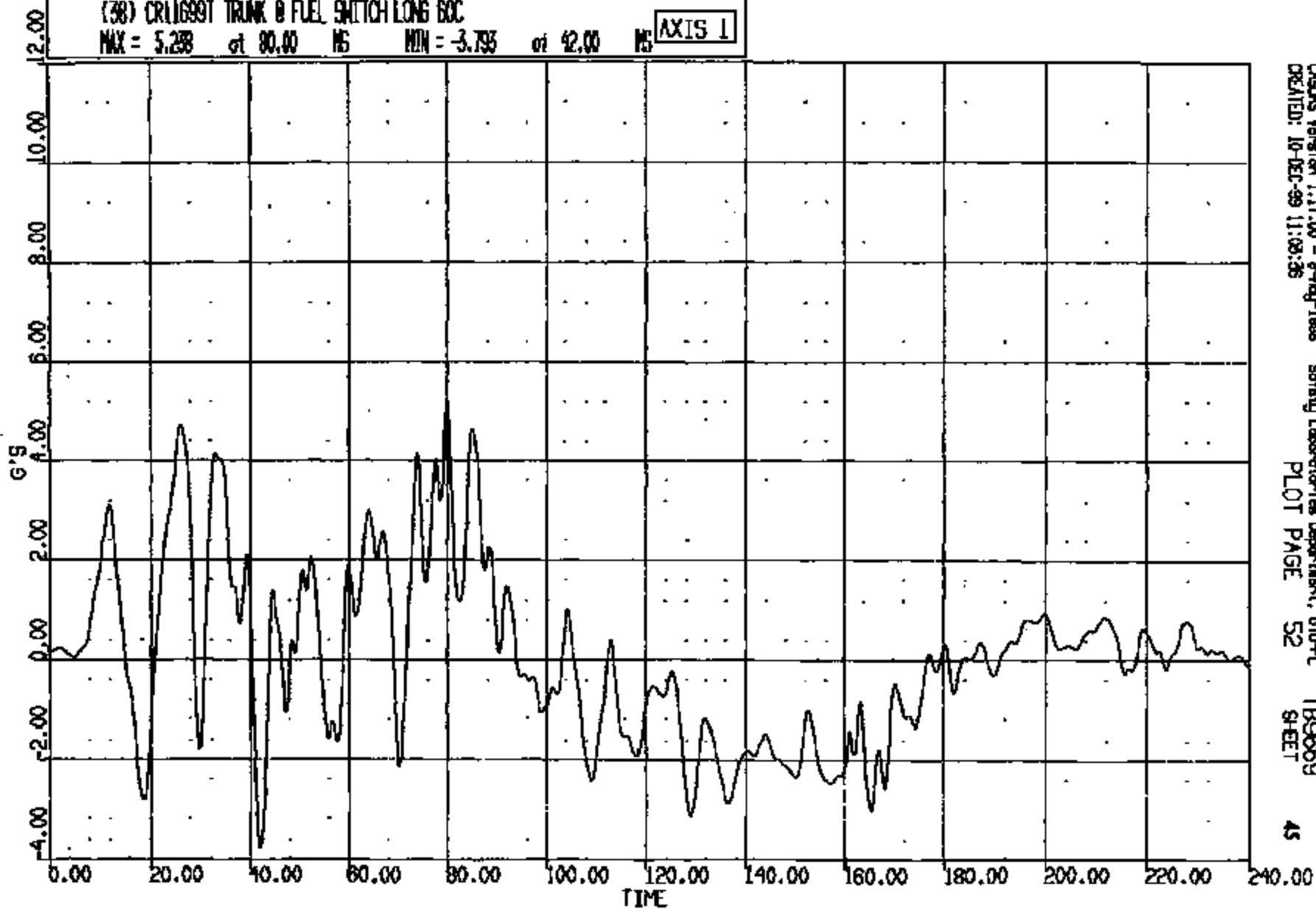
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CR R: 11699 TO: TB9669 DATE: 991210 10:38:49
2001 FN-146LWB

(38) CR11699T TRUNK B FUEL SWITCH LONG SOC

MAX = 5.288 at 00.00 MS MIN = -3.793 at 42.00 MS

AXIS 1



CASINS Version 1.17.00 - 8-May-1999
CREATED: 10-DEC-99 11:08:36

Safety Laboratories Department, GTD-PL
PLOT PAGE 52

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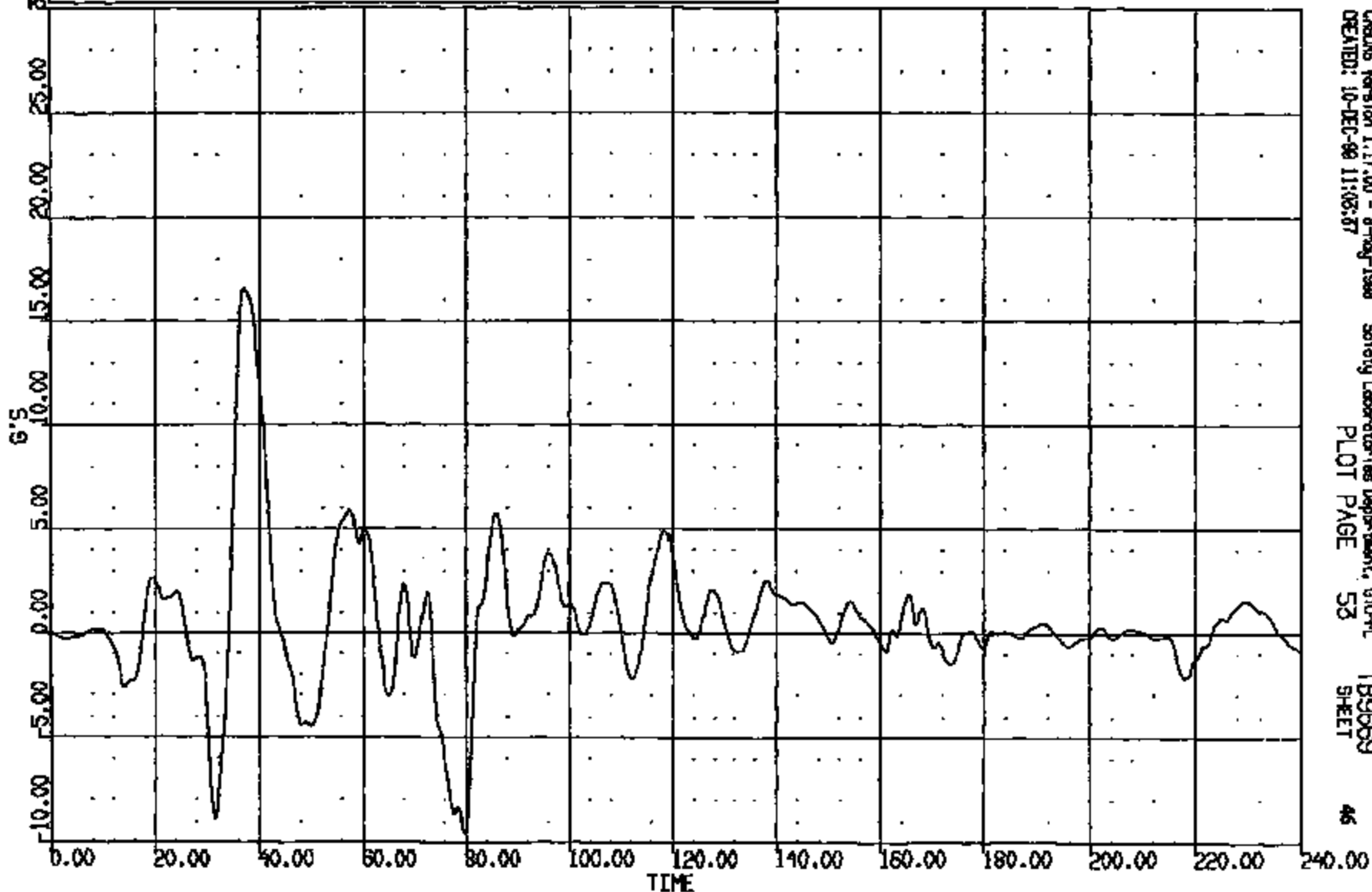
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CR R: 11899 TO: TB9669 DATE: 991210 10:38:49
2001 FN-145LWB

(39) CR11699T TRUNK @ FUEL SWITCH VERT GOC

MAX = 16.56 at 37.04 MS MIN = -9.604 at 79.81 MS

AXIS 1



CASINS Version 1.17.00 - 8-May-1998
CREATED: 10-DEC-99 11:05:57

Safety Laboratories Department, 610-PL
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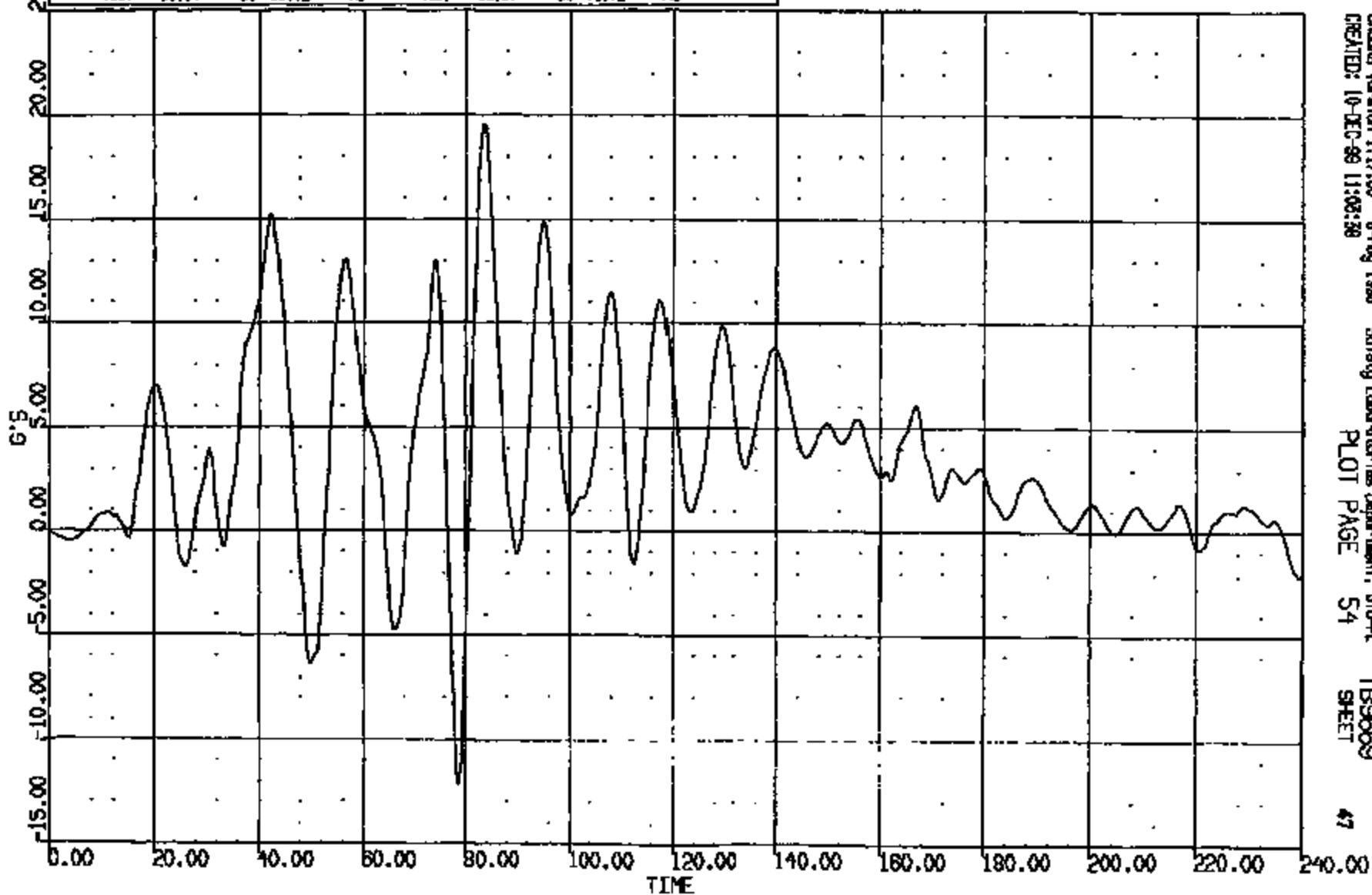
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CR R: 11699 TO: TB9669 DATE: 991210 10:38:49
2001 FN-145LWB

(40) CR11699T TRUNK @ FUEL SWITCH LAT 60C

MAX = 19.54 at 83.52 MS MIN = -12.17 at 78.72 MS

AXIS 1



CASUS Version 1.17.00 - 8-Aug-1998
CREATED: 10-DEC-99 11:02:38

Safety Laboratories Department, 610-A
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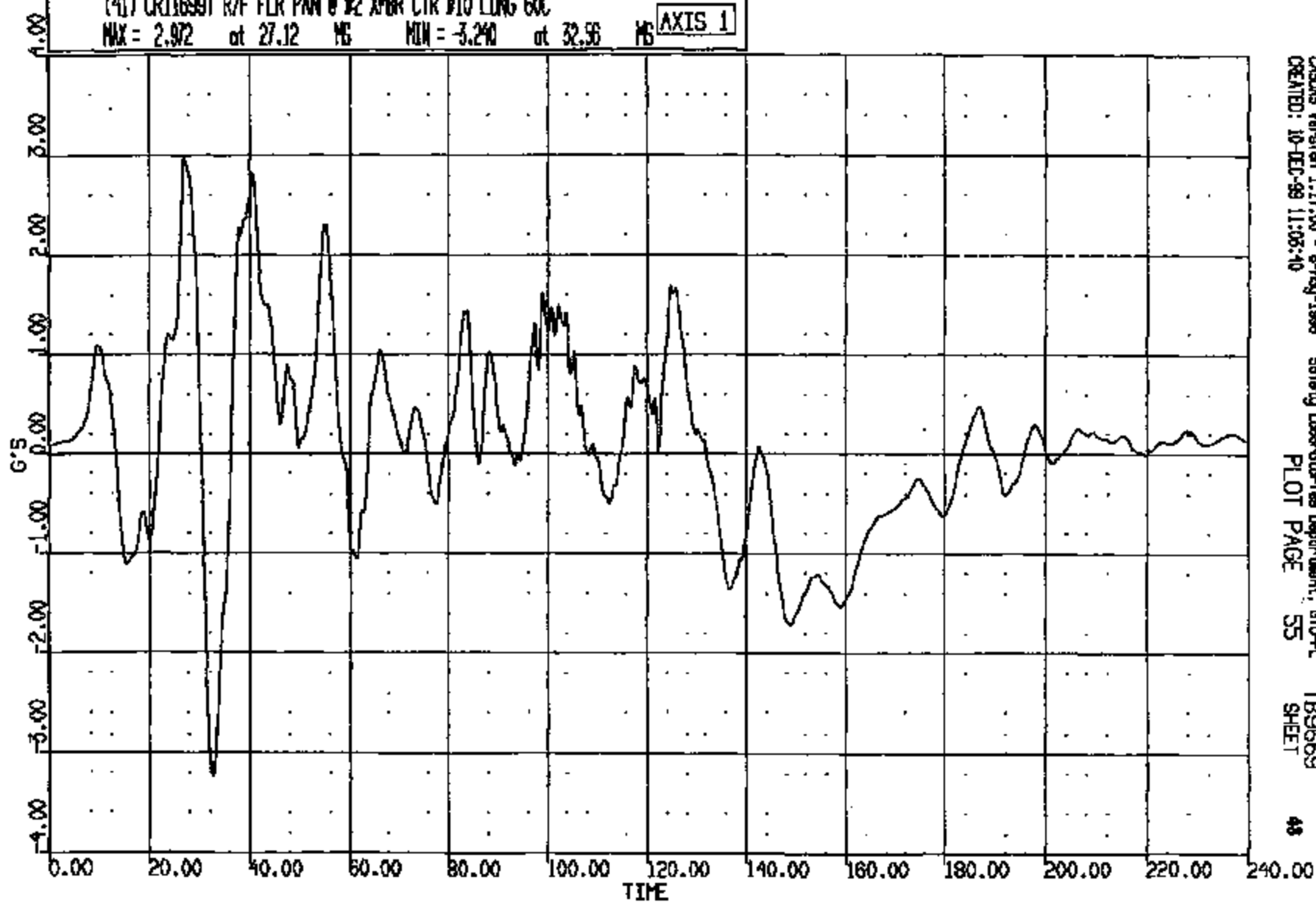
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CR R: 11699 TO: TB9669 DATE: 991210 10:38:49
2001 FN-145LWB

(4) CR11699T R/F FLR PAN 0 #2 XMR CTR #10 LONG 60C

MAX = 2.92 at 27.12 MS MIN = -3.240 at 32.56 MS

AXIS 1



CASDAS Version 1.17.00 - 8-May-1999
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Safety Laboratories Department, GTO-PL
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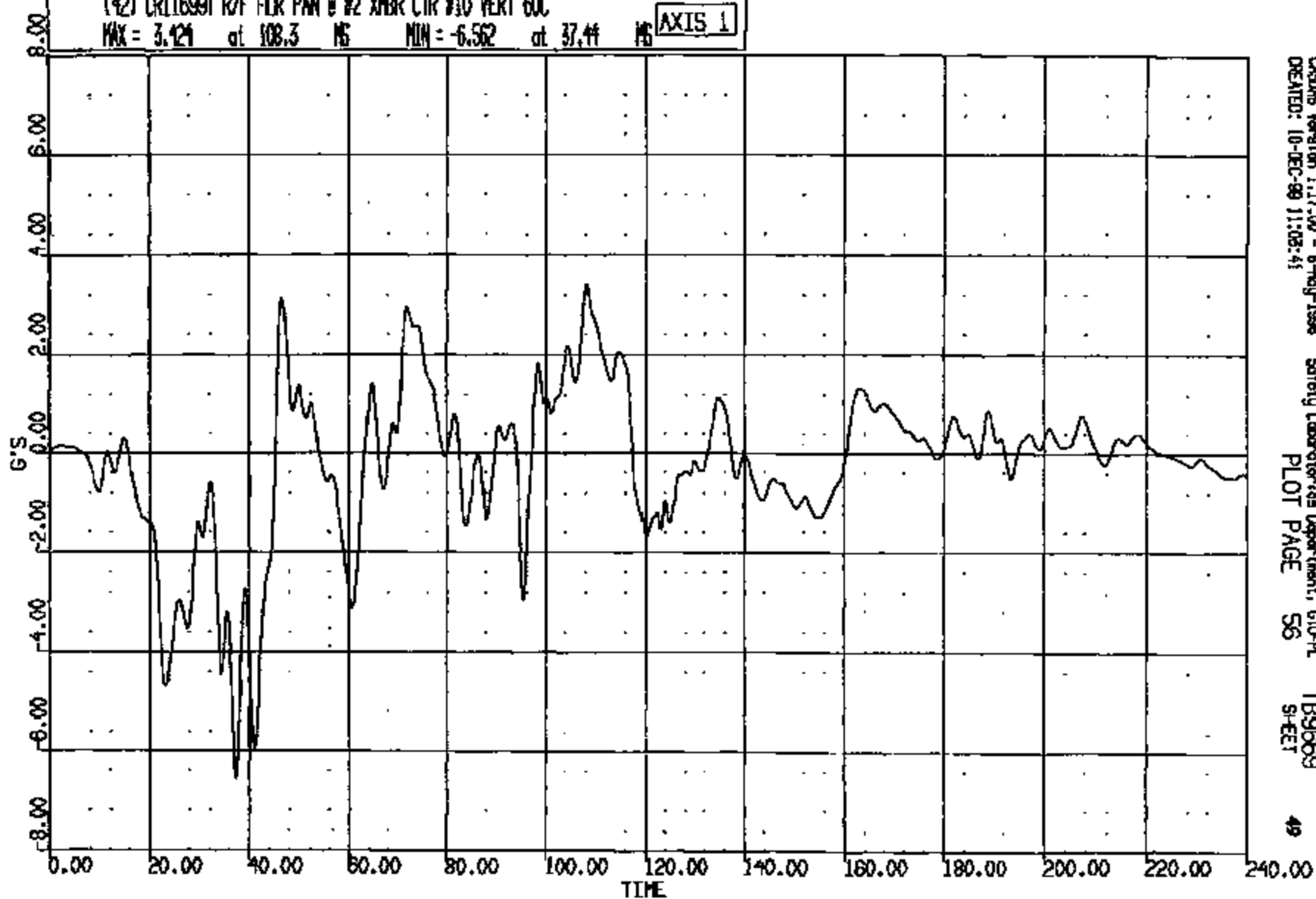
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CR R: 11699 TO: TB9669 DATE: 991210 10:38:40
2001 FN-146LWB

(42) CR11699T R/F FLR PAN 0 #2 XMR CTR #10 VERT 60C

MAX = 3.424 at 108.3 MS MIN = -6.562 at 37.44 MS

AXIS 1



CASMS Version 1.17.00 - 8-Aug-1998
CREATED: 10-DEC-99 11:08:41

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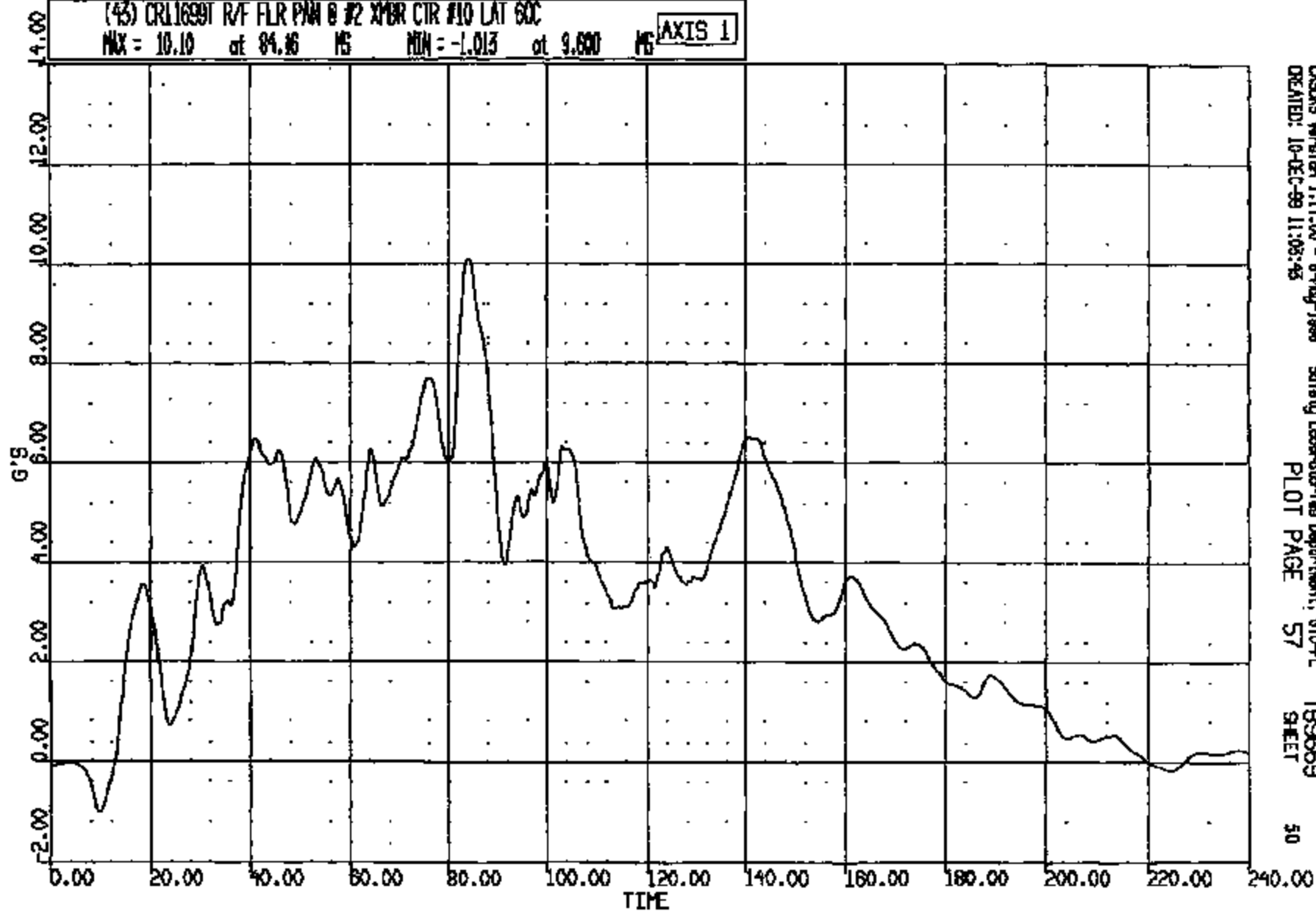
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2001 FN-145LWB

(45) CRL1699T R/F FLR PWA B #2 XMR CIR #10 LAT 60C

MAX = 10.10 at 84.96 MS MIN = -1.013 at 9.690 MS

AXIS 1



CASMS Version 1.17.00 - 8-May-1998
CREATED: 10-DEC-99 11:08:45

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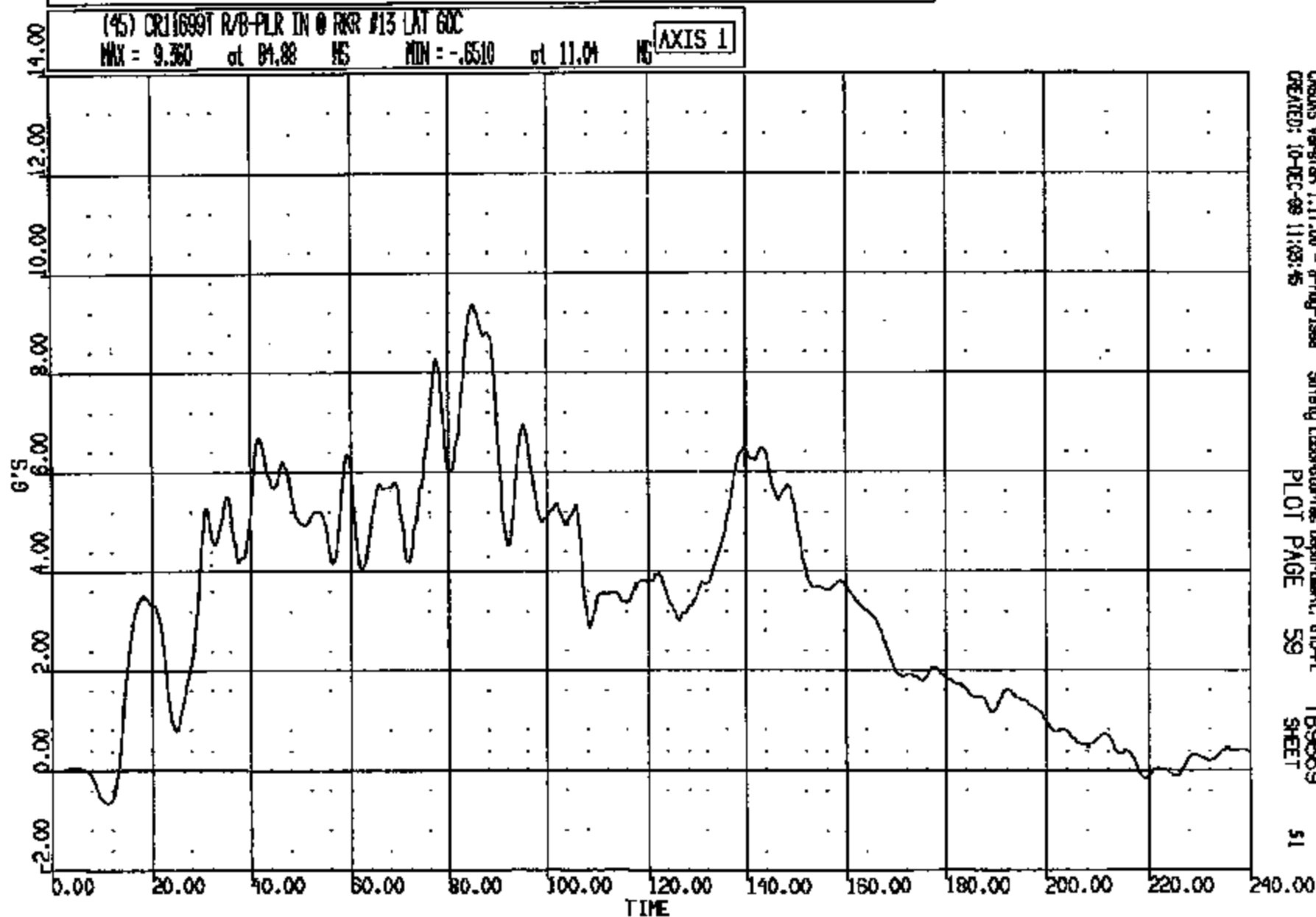
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2001 FN-146LWB



CRTS 0011699

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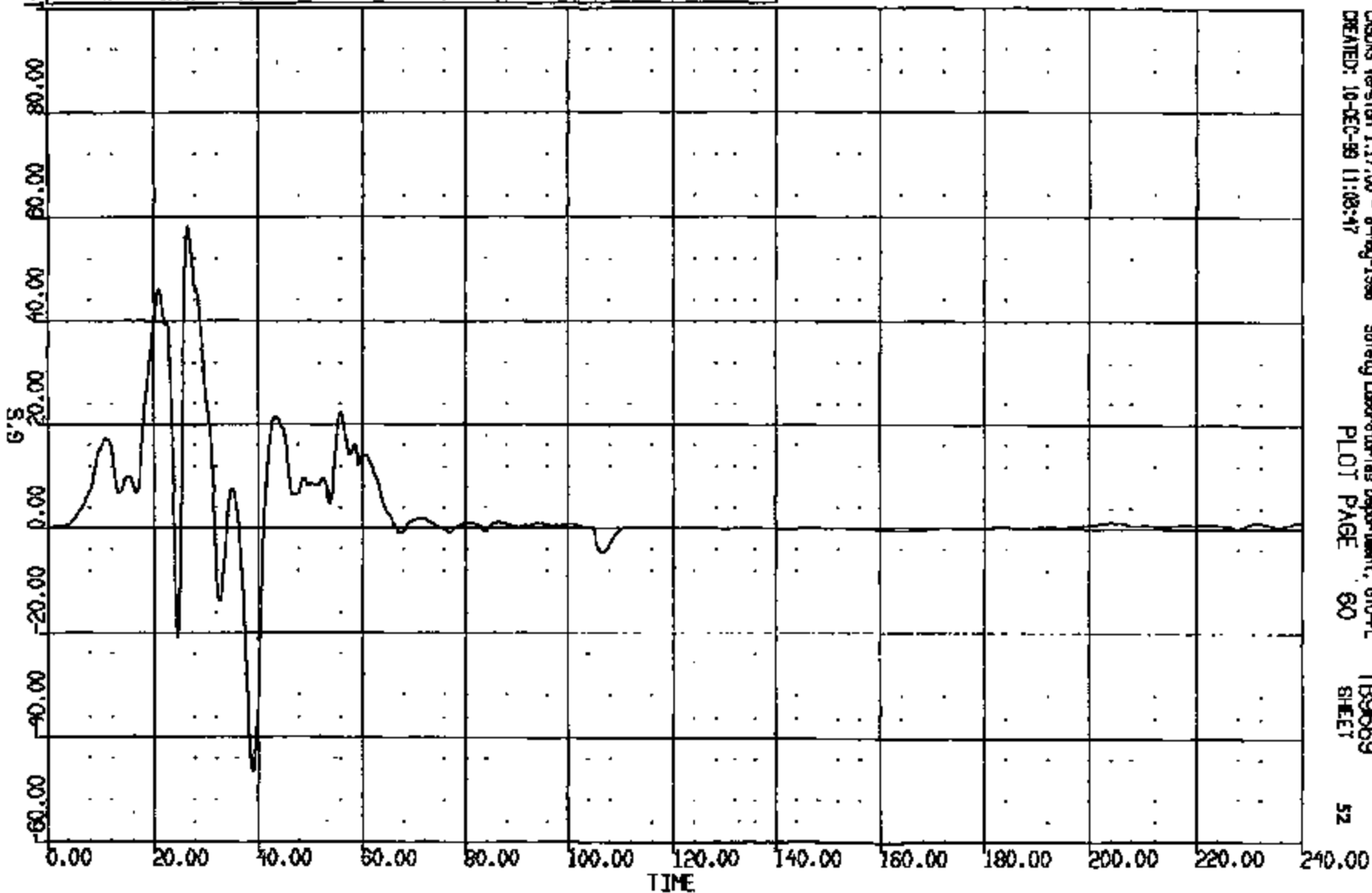
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CR R: 11699 TO: TB9669 DATE: 991210 10:38:48
2001 FN-145LWB

(46) CR11699T L/ROCKER @ FRONT SEAT MID LAT 60C

MAX = 58.15 at 26.72 MS MIN = -16.86 at 38.96 MS

AXIS 1



CASAS Version 1.17.00 - 8-May-1998
CREATED: 10-DEC-99 11:08:47

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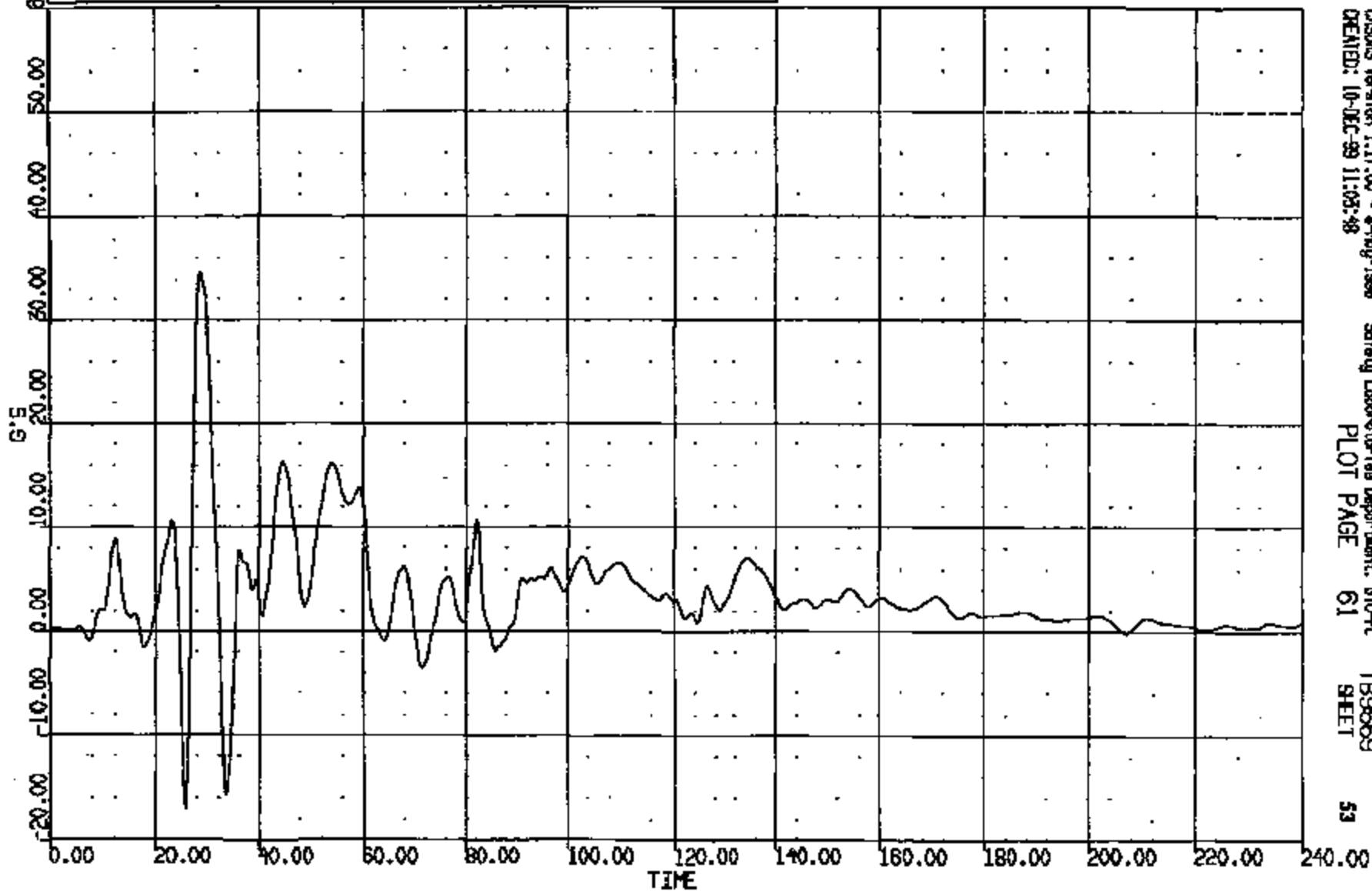
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CR R: 11699 TO: TB9659 DATE: 991210 10:38:49
2001 FN-145LWB

(47) CR11699T L/ROCKER @ REAR SEAT MID LAT 60C

MAX = 39.58 at 28.56 MS MIN = -17.08 at 25.68 MS

AXIS 1



CASUS Version 1.17.00 - 8-May-1999
CREATED: 10-DEC-99 11:03:48

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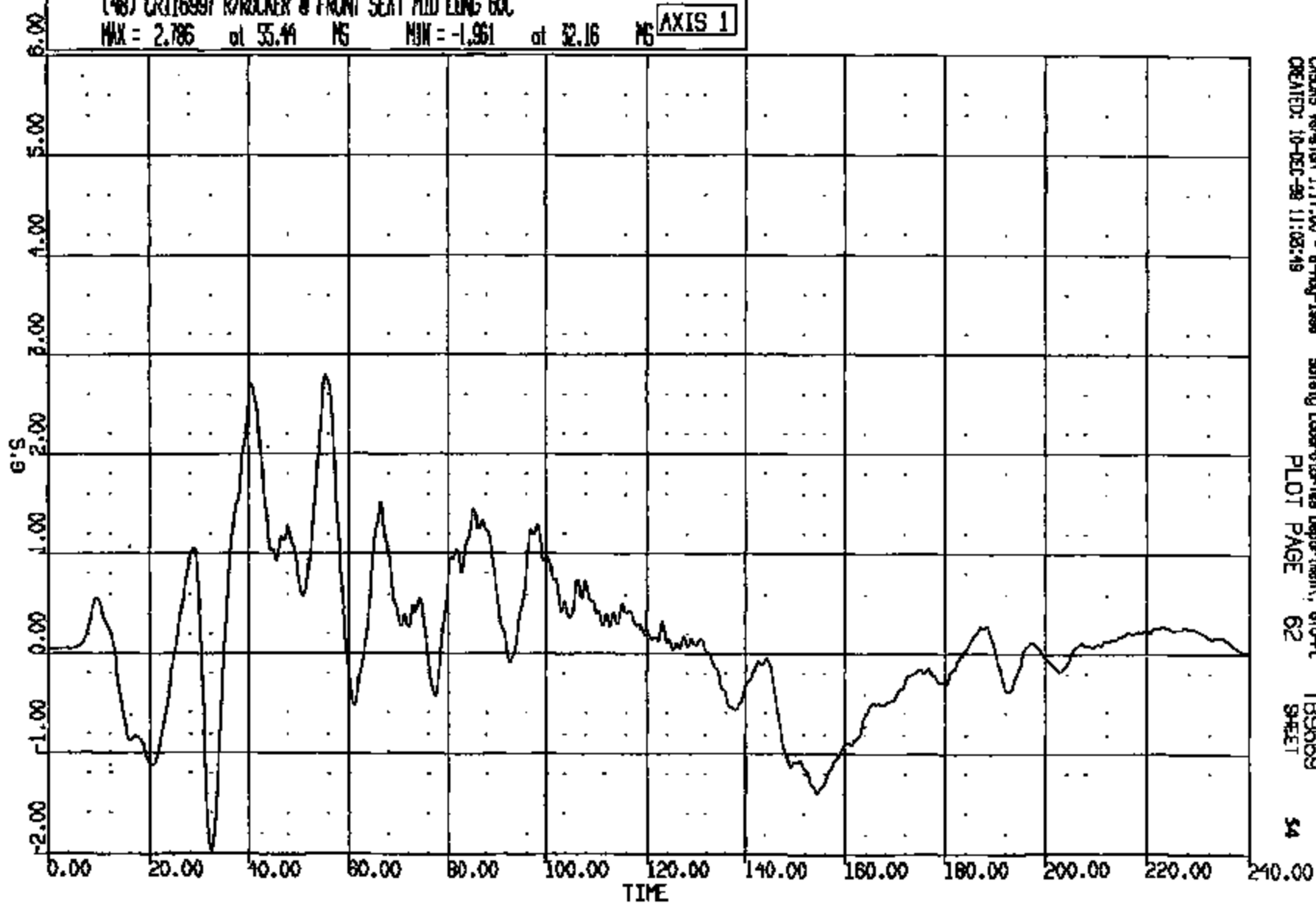
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CR R: 11699 TD: TB9669 DATE: 991210 10:58:49
2001 FN-145LWS

(48) CR116997 R/ROCKER @ FRONT SEAT MID LONG GOC

MAX = 2.786 at 55.44 MS MIN = -1.961 at 32.16 MS

AXIS 1



CHANS Version 1.17.00 - 8-Aug-1998
CREATED: 10-DEC-98 11:03:49

Safety Laboratories Department, 610-PL
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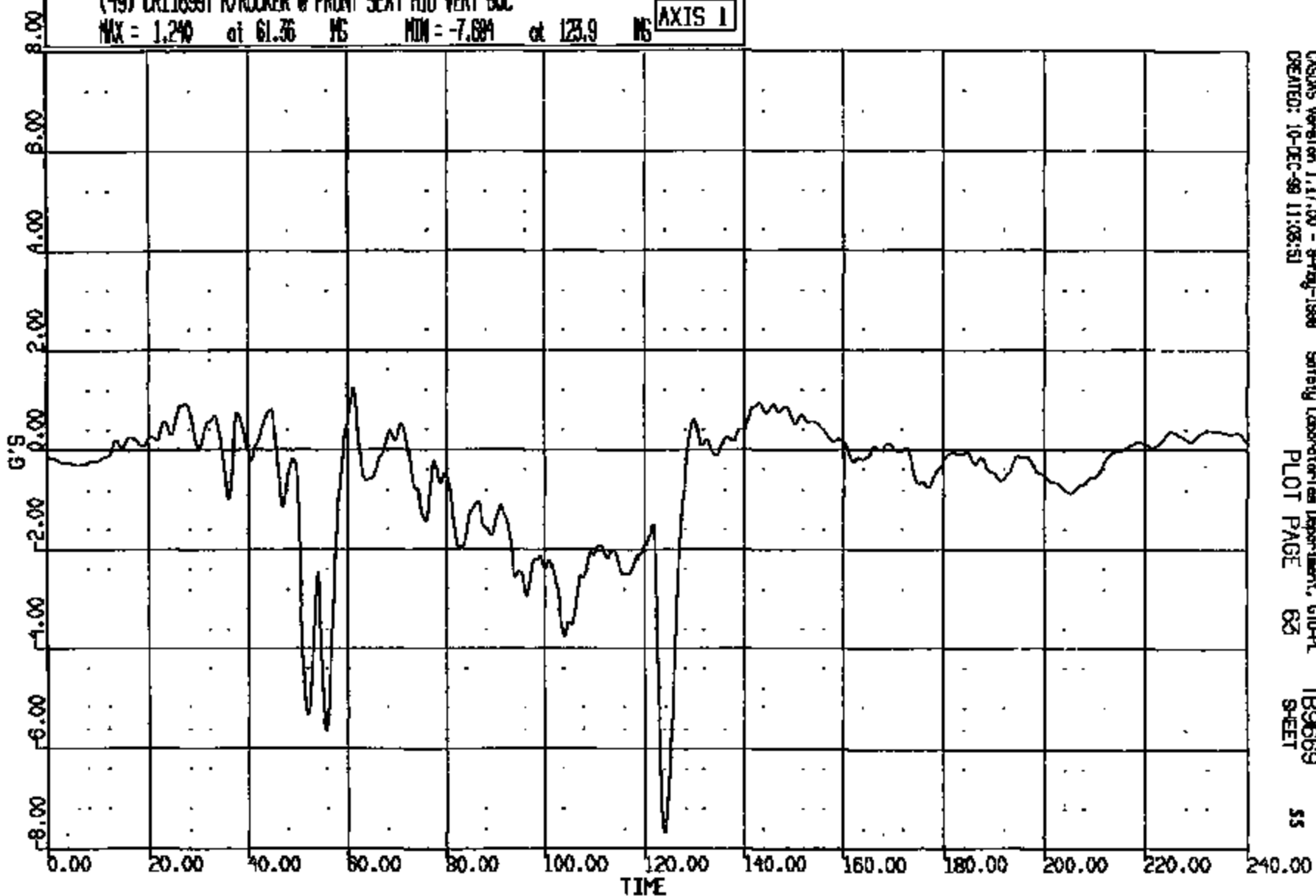
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CR R: 11699 TC: T89669 DATE: 991210 10:38:49
2001 FN-145LWB

(49) CR11699T R/ROCKER @ FRONT SEAT MID VERT SOC

MAX = 1.240 at 61.36 MS MIN = -7.694 at 123.9 MS

AXIS 1



CASIMS Version 1.17.00 - 8-Aug-1998
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PLOT PAGE 63

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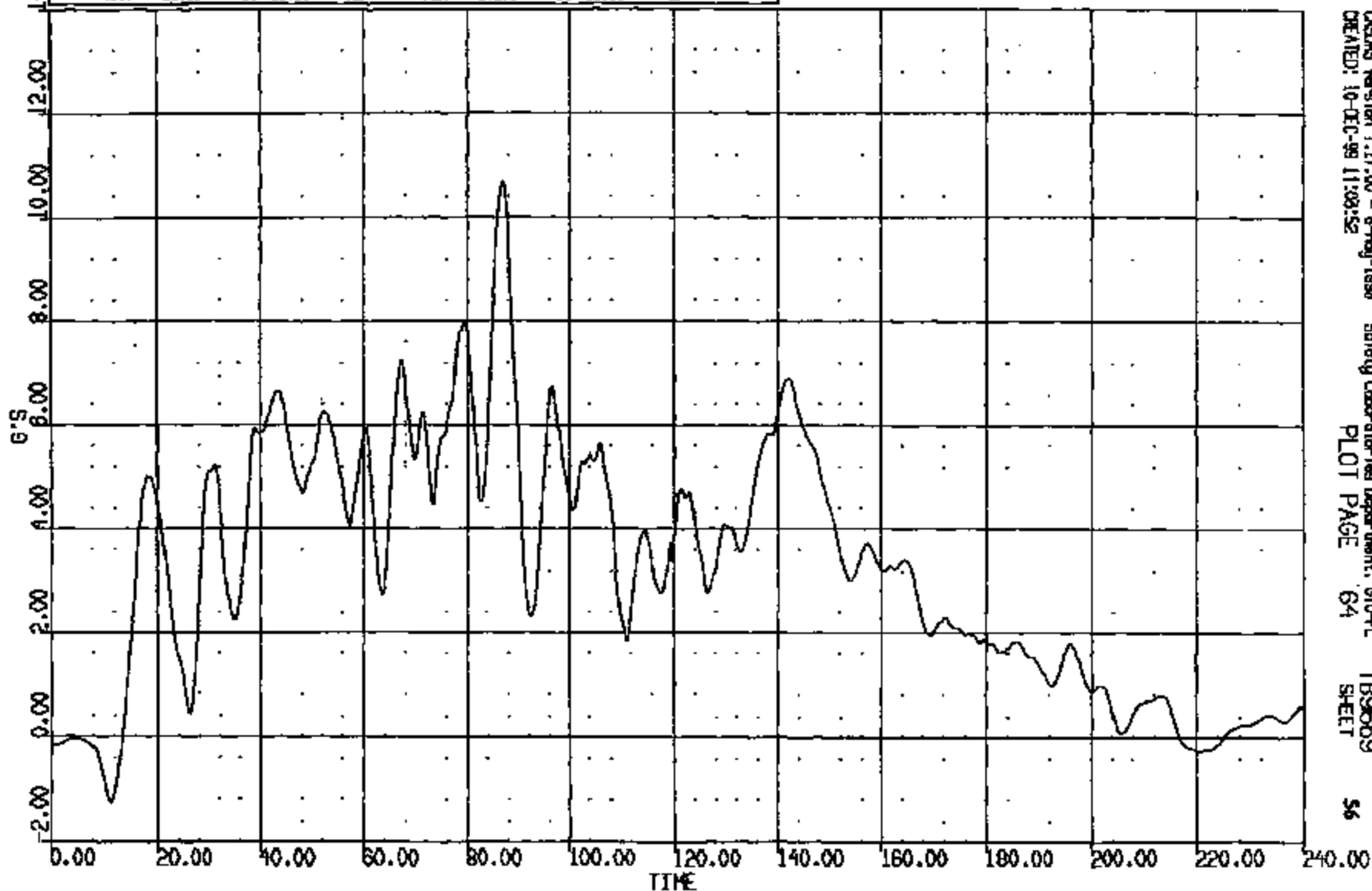
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CR R: 11888 TO: T89689 DATE: 891210 10:38:48
2001 FN-145LWB

(50) CR11888T R/ROCKER @ FRONT SEAT MID LAT 60C

MAX = 10.69 at 86.88 MS MIN = -1.273 at 11.36 MS

AXIS 1



CASAS Version 1.17.00 - 8-May-1990
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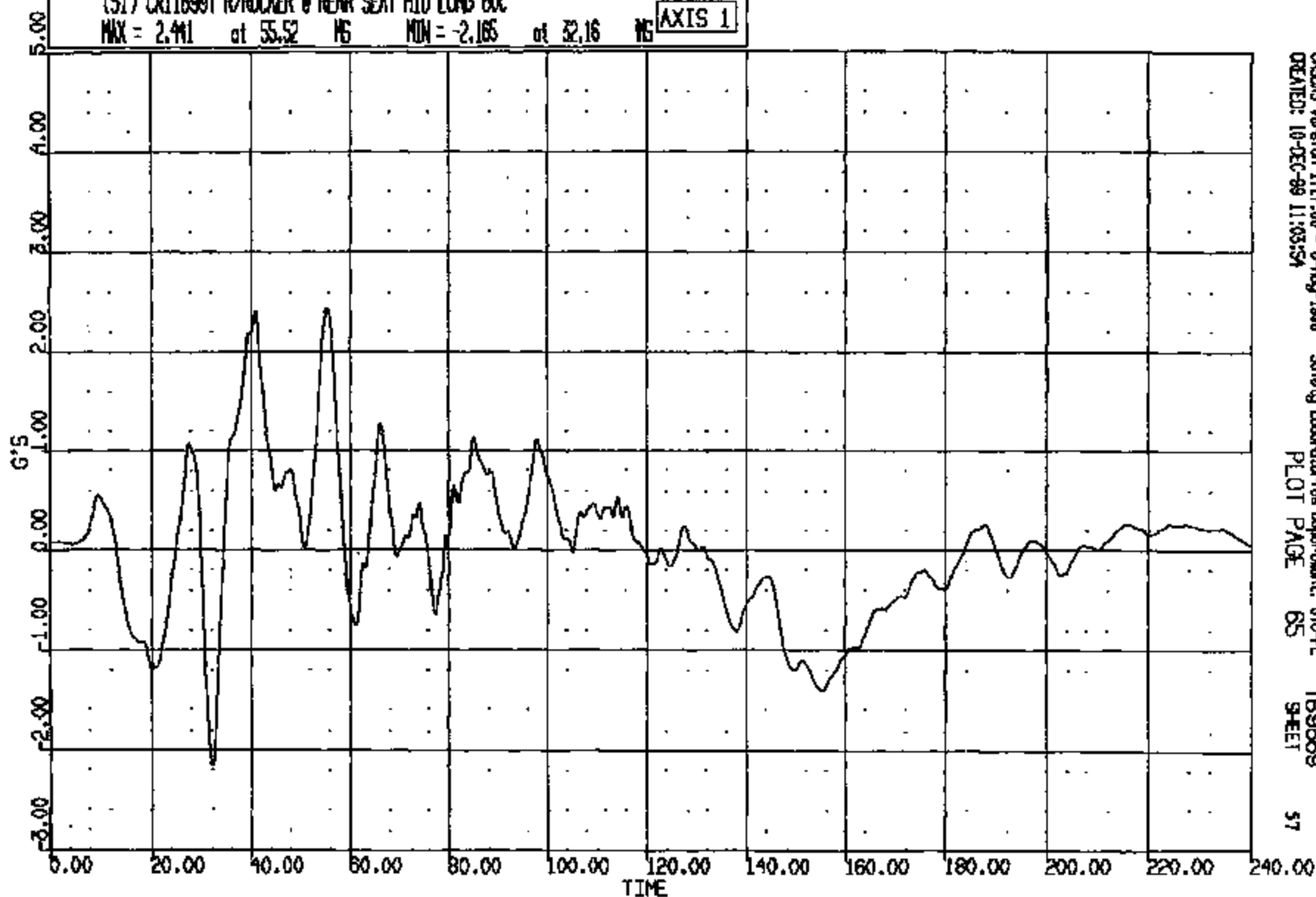
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CR R: 11699 TO: T89669 DATE: 991210 10:58:49
2001 FN-145LWB

(51) CR11699T R/ROCKER @ REAR SEAT MID LONG 60C

MAX = 2.441 at 35.52 MS MIN = -2.185 at 32.16 MS

AXIS 1



CRIS 0011699

CRIS Version 1.17.00 - 8-May-1998
CREATED: 10-DEC-89 11:03:54

Safety Laboratories Department, 610-PL
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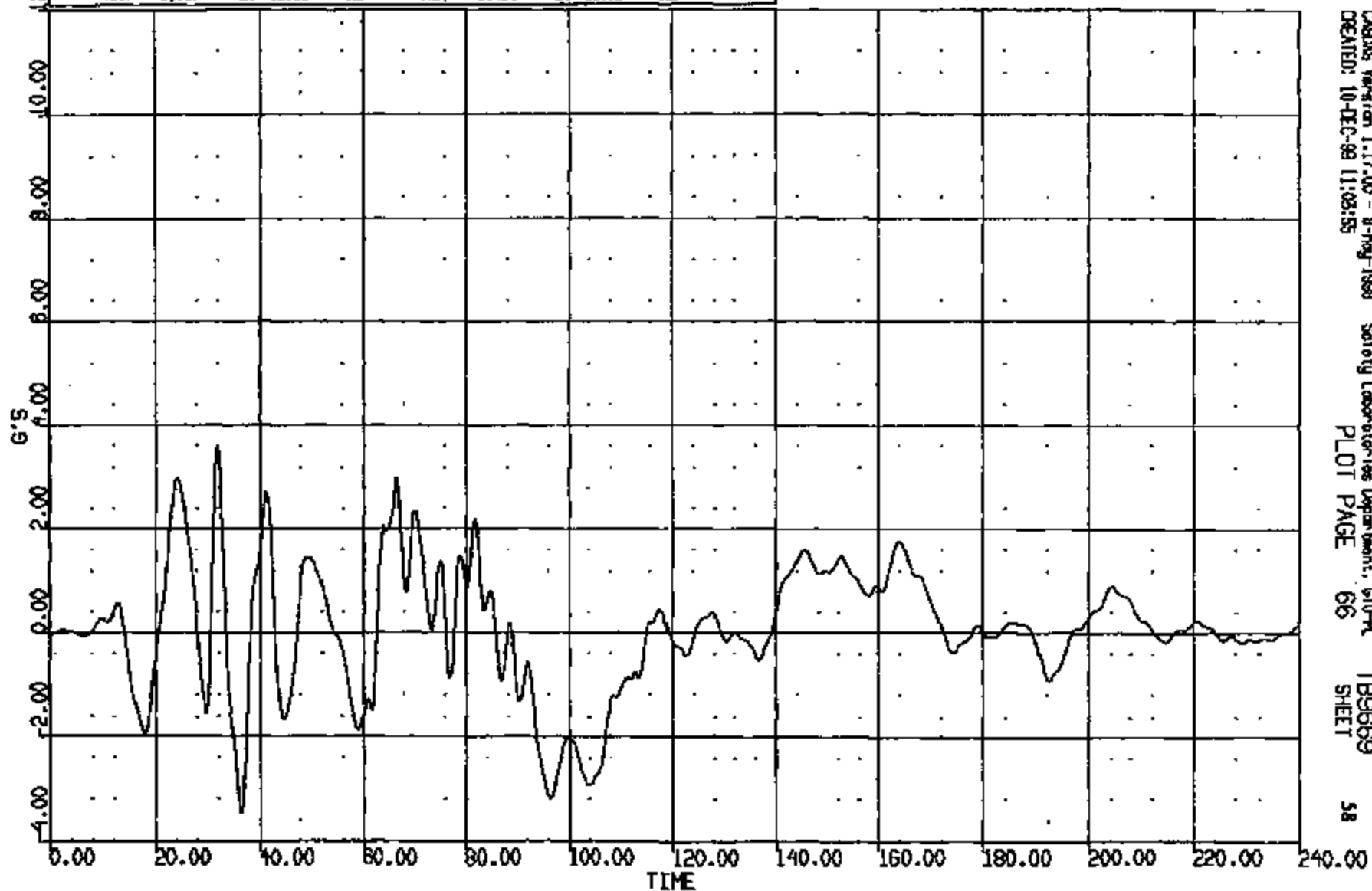
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CR R: 11699 TO: TB9669 DATE: 991210 10:38:49
2001 FN-146LWB

(52) CR11699T R/ROCKER @ REAR SEAT MID VERT GXC

MAX = 3.587 at 32.00 NG MIN = -3.464 at 96.32 NG

AXIS 1



CRTS 0011699

CADDS Version 1.17.00 - 8-May-1998
CREATED: 10-DEC-99 11:03:55

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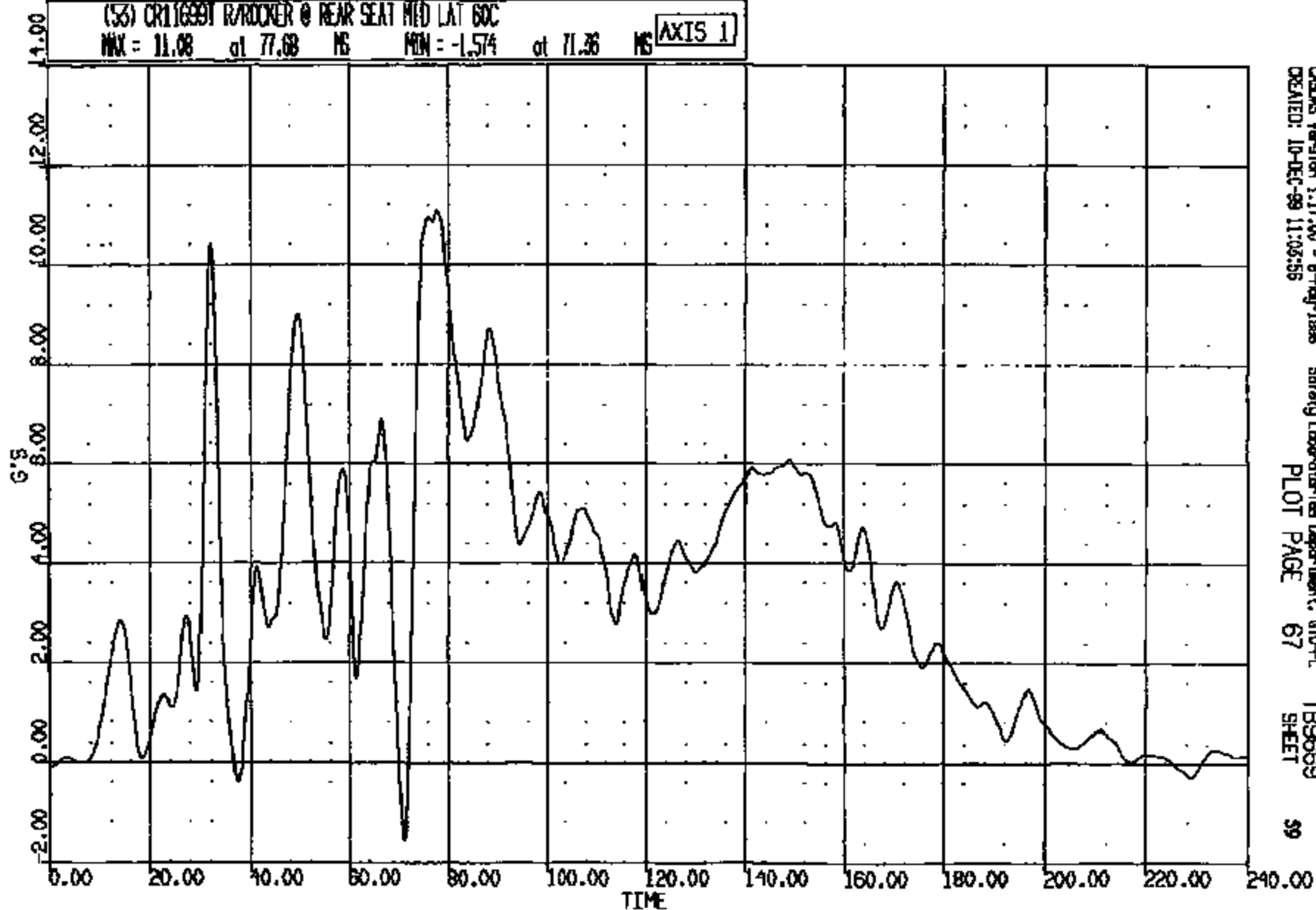
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CR R: 11699 TO: TB9669 DATE: 991210 10:38:49
2001 FN-146LWB

(53) CR11699T R/ROCKER @ REAR SEAT MID LAT 60C

MAX = 11.08 at 77.68 MS MIN = -1.574 at 71.36 MS

AXIS 1



CRTS 0011699

CASDS Version 1.17.00 - 8-May-1998
CREATED: 10-DEC-99 11:05:55

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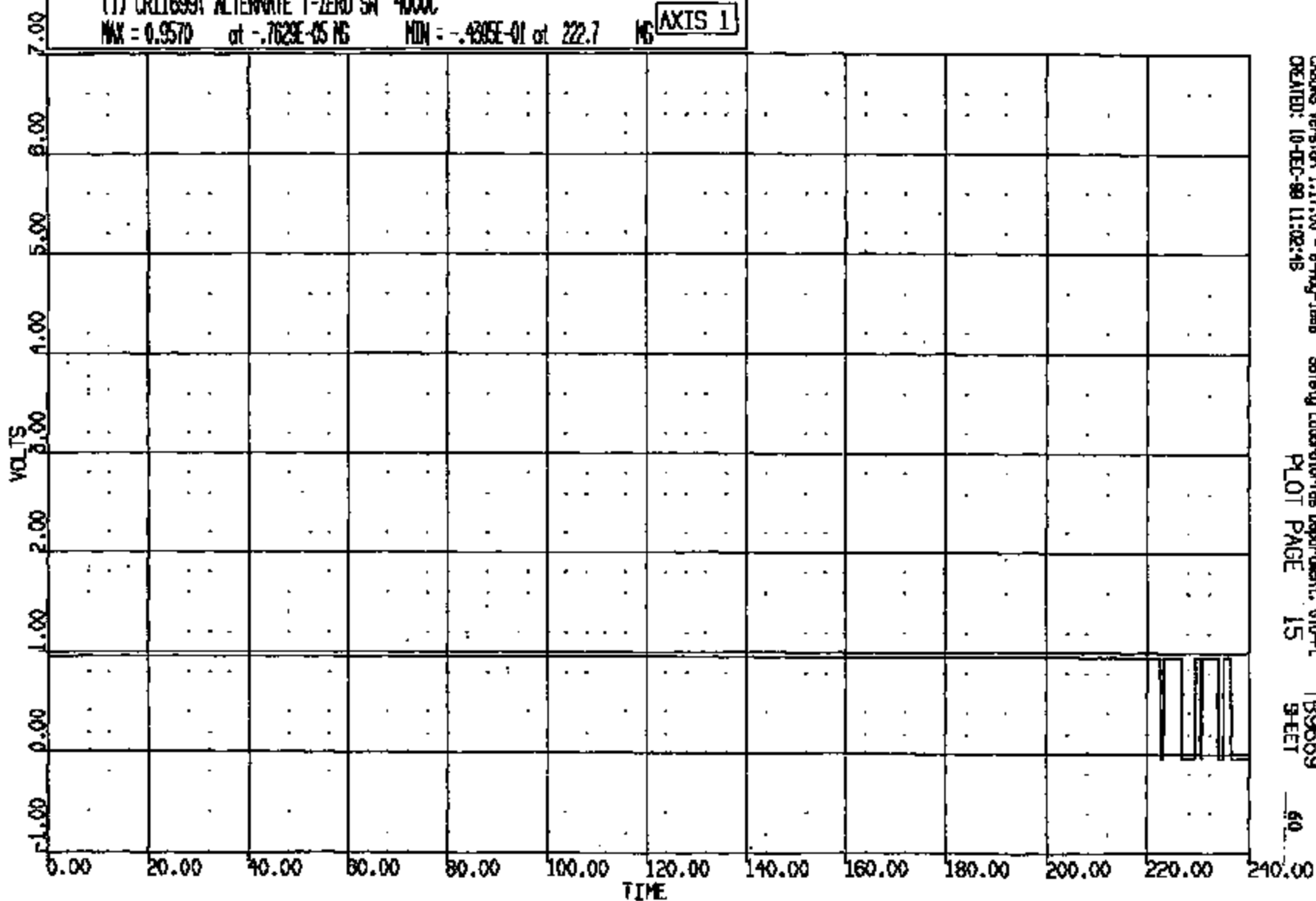
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CR R: 11699 TO: TB9669 DATE: 991210 10:39:49
2001 FN-145LWB

(1) CR11699T ALTERNATE T-ZERO SW 4000C

MAX = 0.9570 at -7629E-45 NS MIN = -.4305E-01 at 222.7 NS

AXIS 1



CASINS Version 1.17.00 - 8-May-1998
CREATED: 10-DEC-99 11:02:18

Seifert Laboratories Department, G10-P1
PLOT PAGE 15

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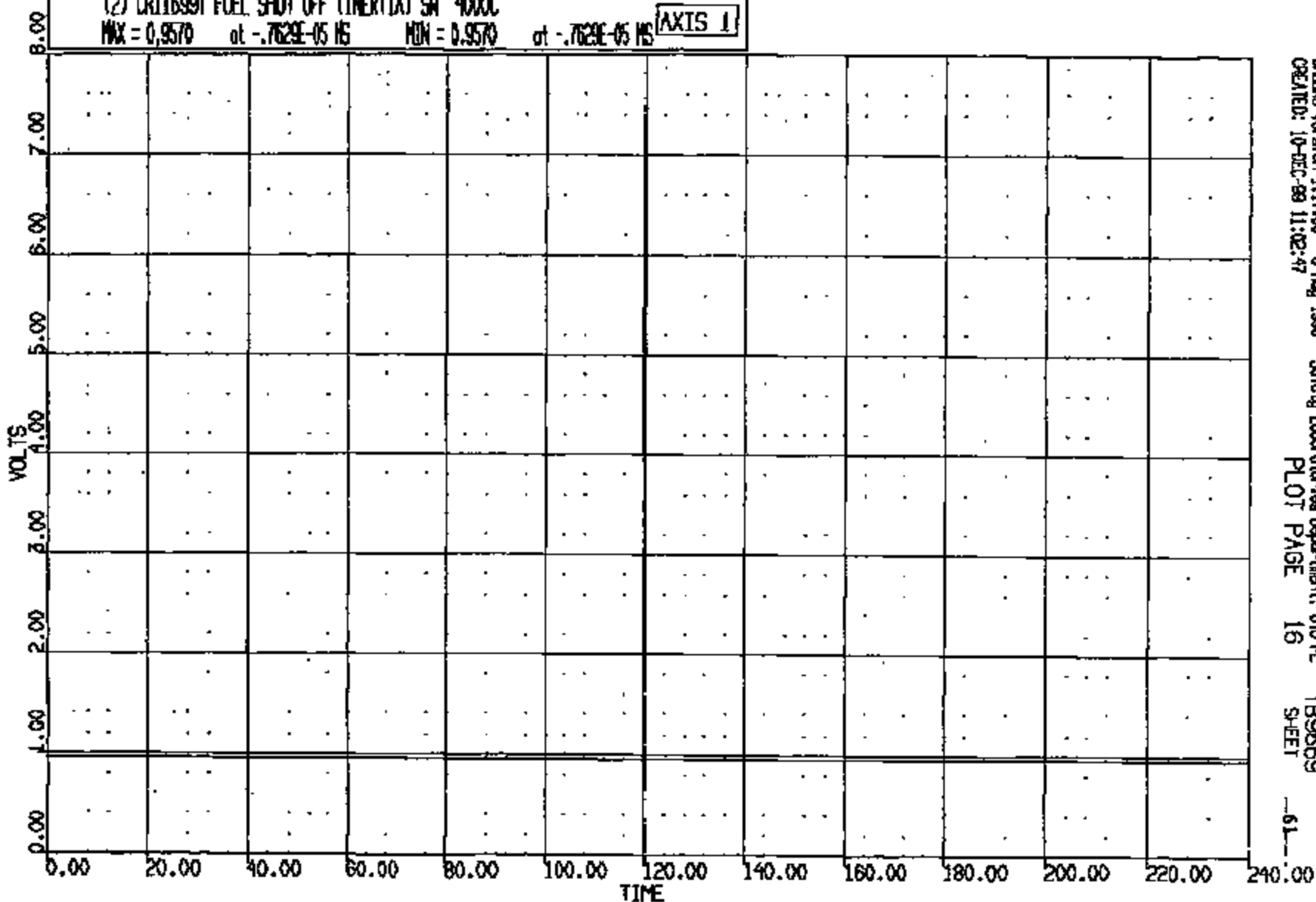
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CR R: 11699 TO: TB9669 DATE: 991210 10:38:49
2001 FZ-148LWB

(2) CR11699T FUEL SHUT OFF (INERTIA) SN 4000C

MAX = 0.9570 at -.7629E-05 MS MIN = 0.9570 at -.7629E-05 MS

AXIS 1



DAGS Version 1.17.00 - 8-Aug-1998
CREATED: 10-DEC-99 11:02:47

Safety Laboratories Department, 610-A
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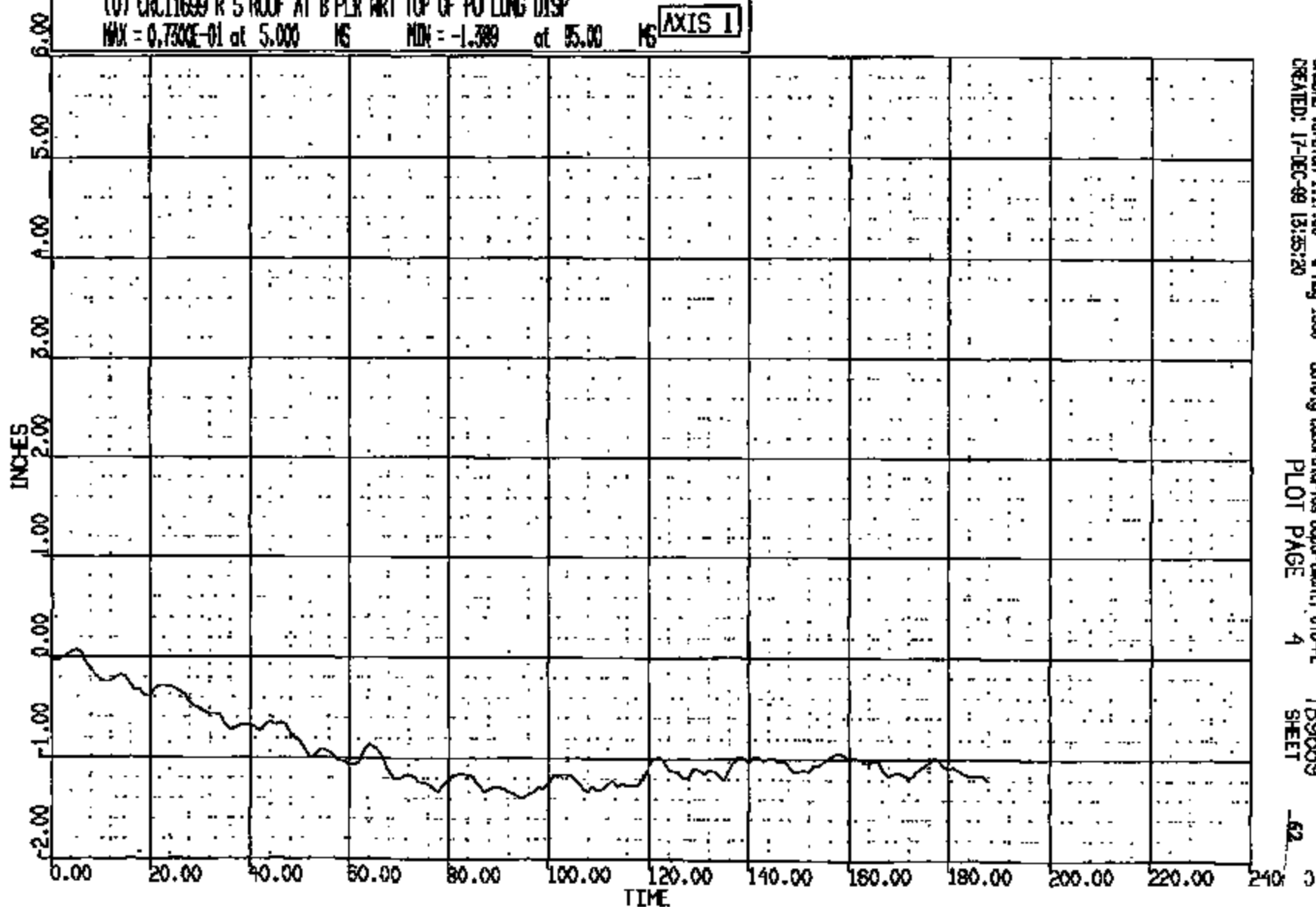
CRIS 0011699

CR R: 11888 TO: TB9689 DATE: 991210 10:28:49
2001 FN-146LWB

(0) CRCL1699 R 5 ROOF AT B PLR WRT TOP OF PO LONG DISP

MAX = 0.730E-01 at 5.00 NS MIN = -1.389 at 95.00 NS

AXIS 1



CASMS Version 1.17.00 - 8-May-1998
CREATED: 17-DEC-99 13:55:20

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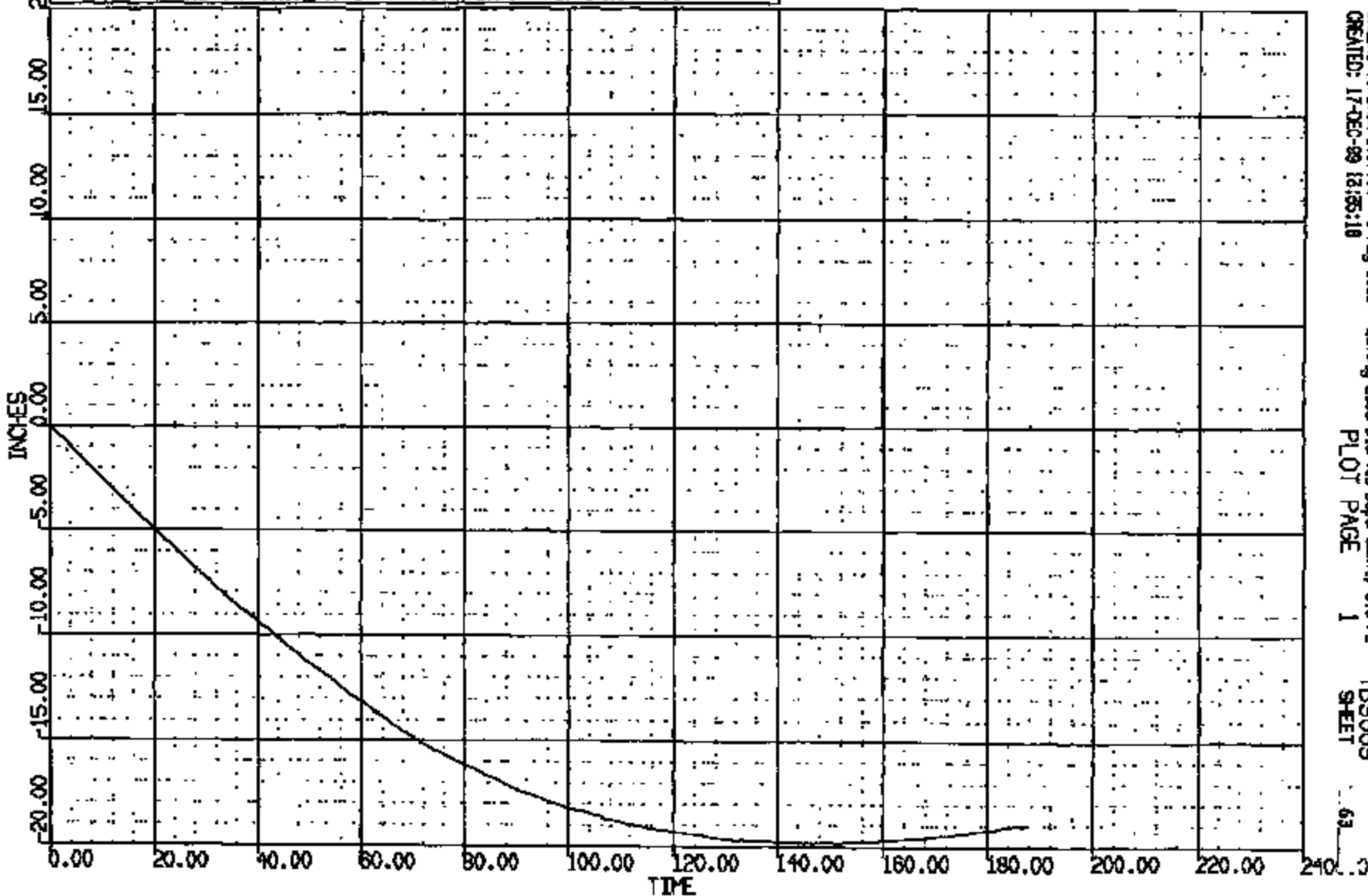
CRIS 0011699

CR R: 11899 TO: TB9869 DATE: 991210 10:58:49
2001 FN-146LWB

(1) CR011699 R S ROOF AT B PLR WRT TOP OF POL LAT DISP

MAX = 0.0000E+00 at 0.0000E+00 MS MIN = -19.88 at 145.0 MS

AXIS 1



CASUS Version 1.17.00 - 8-May-1998
CREATED: 17-DEC-99 12:55:18

Safety Laboratories Department, 610-PL
PLOT PAGE 1

TB9869
SHEET

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VEHICLE INFORMATION

TEST DESCRIPTION: 90 DEG. LEFT SIDE FIXED POLE
VEHICLE PROGRAM YEAR: 2001
VEHICLE MODEL NAME: FN-145LMB
VEHICLE PROGRAM NAME: FN-145LMB
VEHICLE ID NUMBER: 311W340
CERTIFICATION VEHICLE CODE: DV
REQUESTOR NAME: M. BROTON
TEST ENGINEER NAME:

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** POINT COORDINATES **

LEFT NO	SIDE	PNT NO	DESCRIPTION		INCHES			INCHES CHANGED			
					LONG X	LAT Y	VERT Z	X	Y	Z	D
074			CNM POSITIONING REF.								
		43	CNM FRONT DOOR A PILLAR ROCKER SIDE OF IMPACT	REF AFT	97.26	-32.15	19.67				
		44	CNM FRONT DOOR ROCKER SB PILLAR SIDE OF IMP.	REF AFT	123.06	-32.33	19.19				
		53	CNM FRONT DOOR A PILLAR ROCK SIDE OPPOSITE IMP	REF AFT	97.58	32.00	19.71				
		54	CNM FRONT DOOR A PILLAR ROCK SIDE OPPOSITE IMP	REF AFT	123.07	32.47	19.26				
090			M/CONT. NOTCH & PIS/PI								
		22	FRONT ALIGNMENT POINT "B"	REF AFT	64.80 64.66	35.47 35.24	39.05 39.04	-0.14	-0.23	-0.01	0.27
		23	REAR ALIGNMENT POINT "B"	REF AFT	186.40 186.54	35.47 35.22	42.33 42.38	0.14	-0.25	0.05	0.29
095			CONTROL NOW SIDED								
		09	LEFT FRONT FRAME SET-UP HEIGHT (IMED. OF SILL)	REF AFT	91.83	-29.43	14.11				
		10	LEFT REAR FRAME SET-UP HEIGHT (IMED. OF SILL)	REF AFT	158.04	-29.16	14.00				
		14	RIGHT FRONT FRAMESET-UP HEIGHT (IMED. OF SILL)	REF AFT	92.55	29.26	14.29				
		15	RIGHT REAR FRAME SET-UP HEIGHT (IMED. OF SILL)	REF AFT	158.70	29.35	14.12				
411			TOP (BODY) NOW SIDED								

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UNT NO	SIDE	PWT NO	DESCRIPTION	** POINT COORDINATES **			INCHES CHANGED			
				LONG X	LAT Y	VERT Z	X	Y	Z	D
		01	EXTRA SET UP POINT (LEFT FOREMOST FRAME)	BEF AFT	37.05	-22.47	22.51			0.00
		02	EXTRA SET UP POINT (RIGHT FOREMOST FRAME)	BEF AFT	36.43	23.02	22.38			
		03	EXTRA SET UP POINT (LEFT REARMOST FRAME)	BEF AFT	230.85	-25.87	21.36			
		04	EXTRA SET UP POINT (RIGHT REARMOST FRAME)	BEF AFT	228.91	25.32	21.33			
		26	"H" POINT LOCATION ON OUTER FRT/OCCUPANT DOOR	BEF AFT	121.10	-39.02	28.26			
		38	TOP OF ROCKER BILL IN LINE W/FRONT "H" PT.	BEF AFT	121.10	-33.65	18.05			
		57	FRONT OCCUPANT SEAT C/L (WIDTH)	BEF AFT		-15.50				
		84	"W.B.T." ON ROCKER SIDE OPPOSITE OF IMPACT	BEF AFT	127.09	33.90	17.93	0.00	0.00	0.00
412			TOP (BODY) SIDED POINTS							
L	D9		END OF FRONT SPINDLE @ CENTERLINE (WHEELBASE)	BEF AFT	63.28	-32.96	19.26	2.29	-0.33	-0.99
R	09		END OF FRONT SPINDLE @ CENTERLINE (WHEELBASE)	BEF AFT	63.21	33.29	19.20	-0.53	-0.37	0.06
L	16		LATCH/STRIKER BOLT @C/L OR U-BOLTTOP @B PILLAR	BEF AFT	128.73	-33.51	31.43			
R	16		LATCH/STRIKER BOLT @C/L OR U-BOLTTOP @B PILLAR	BEF AFT	128.86	33.51	31.56	-0.05	0.16	0.03
L	18		LATCH/STRIKER BOLT @C/L OR U-BOLTTOP @C PILLAR	BEF AFT	175.28	-34.11	36.53			

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** POINT COORDINATES **

INT NO	SIDE	PNT NO	DESCRIPTION		INCHES			INCHES CHANGED			
					LONG X	LAT Y	VERT Z	X	Y	Z	D
R	18		LATCH/STRIKER BOLT SC/L OR U-BOLT/TOP SC PILLAR	REF	175.22	33.94	38.46	0.23	-0.49	0.27	0.57
				AFT	175.35	33.45	38.73				
L	89		END OF REAR SPINDLE @ CENTERLINE(WHEELBASE)	REF	187.27	-32.44	16.36	-1.31	-0.62	-1.80	2.31
				AFT	186.96	-33.06	14.56				
R	89		END OF REAR SPINDLE @ CENTERLINE(WHEELBASE)	REF	187.32	32.04	16.22	-0.44	-1.12	-1.41	1.85
				AFT	186.88	30.92	14.81				
650 BLANK UNIT POINTS											
	03	3	SEE COMMENTS PAGE	REF	98.78	30.29	15.31	-0.05	0.39	0.00	0.39
				AFT	98.73	30.68	15.31				
	04	4	SEE COMMENTS PAGE	REF	160.57	30.25	14.76	0.00	-0.56	0.00	0.56
				AFT	160.57	29.69	14.76				
	05	5	SEE COMMENTS PAGE	REF	113.28	0.62	22.93				
				AFT							
	06	6	SEE COMMENTS PAGE	REF	112.45	-31.89	40.50				
				AFT							
	07	7	SEE COMMENTS PAGE	REF	119.23	-32.29	38.17				
				AFT							
	08	8	SEE COMMENTS PAGE	REF	126.01	-31.93	32.20				
				AFT							
	09	9	SEE COMMENTS PAGE	REF	98.40	-32.12	29.64				
				AFT							
	10	10	SEE COMMENTS PAGE	REF	136.21	-22.55	58.46				
				AFT							
	11	11	SEE COMMENTS PAGE	REF	131.35	-30.62	21.40				
				AFT							
	12	12	SEE COMMENTS PAGE	REF	154.83	-32.10	40.74				
				AFT							

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UNIT NO	SIDE	PNT NO	DESCRIPTION	** POINT COORDINATES **			INCHES CHANGED			
				LONG X	LAT Y	VERT Z	X	Y	Z	D
		13	13 SEE COMMENTS PAGE	REF AFT	166.78	-32.64	42.67			
		14	14 SEE COMMENTS PAGE	REF AFT	123.19	-15.47	16.62			
		15	15 SEE COMMENTS PAGE	REF AFT	131.30	30.62	31.27			
		16	16 SEE COMMENTS PAGE	REF AFT	123.18	15.60	16.61			
		17	17 SEE COMMENTS PAGE	REF AFT	91.58	0.38	26.46			
		18	18 SEE COMMENTS PAGE	REF AFT	127.26	-31.83	15.13			
		19	19 SEE COMMENTS PAGE	REF AFT	165.37	-31.78	14.87			
		20	20 SEE COMMENTS PAGE	REF AFT	117.29	31.99	15.21			
		21	21 SEE COMMENTS PAGE	REF AFT	164.81	31.54	14.87			

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** SECTIONALS **

INT NO	SCIN NO	SIDE	SEQ NO	NAME AND CRASH STATUS	X	Y	Z
423	61			BRITISH EXTERIOR SECT			
			1	AFTER	75.39	-34.66	40.93
			2	AFTER	82.63	-34.87	40.91
			3	AFTER	88.70	-35.03	40.92
			4	AFTER	91.45	-35.07	40.88
			5	AFTER	92.54	-35.75	40.89
			6	AFTER	96.27	-35.11	41.07
			7	AFTER	99.21	-34.34	41.27
			8	AFTER	103.03	-32.74	41.23
			9	AFTER	106.27	-29.78	41.17
			10	AFTER	112.51	-27.23	41.15
			11	AFTER	116.06	-25.01	41.25
			12	AFTER	119.38	-22.82	41.39
			13	AFTER	120.94	-21.88	41.49
			14	AFTER	123.02	-21.26	41.46
			15	AFTER	125.82	-21.16	41.68
			16	AFTER	127.97	-22.50	41.70
			17	AFTER	129.04	-23.59	41.82
			18	AFTER	131.07	-24.40	41.72
			19	AFTER	131.62	-25.13	41.47

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** SECTIONALS **

UNIT NO	SCPM NO	SIDE	SEQ NO	NAME AND CRASH STATUS	X	Y	INCHES Z
			20	AFTER	136.70	-26.68	41.62
			21	AFTER	146.34	-29.52	41.81
			22	AFTER	156.07	-32.13	42.07
			23	AFTER	163.00	-33.92	42.26
			24	AFTER	167.56	-34.98	42.38
			25	AFTER	173.83	-36.40	42.37
			26	AFTER	178.66	-37.57	42.62
			27	AFTER	180.27	-38.66	42.12
			28	AFTER	183.73	-38.02	42.31
			29	AFTER	186.88	-36.30	42.51

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MIDLINE EXTERIOR SECT

1	AFTER	77.42	-37.27	31.05
2	AFTER	83.34	-37.29	31.17
3	AFTER	89.76	-37.44	31.16
4	AFTER	91.63	-38.07	31.12
5	AFTER	94.58	-37.10	31.08
6	AFTER	96.41	-36.02	31.21
7	AFTER	98.94	-34.75	31.16
8	AFTER	101.87	-33.31	31.15
9	AFTER	107.40	-30.57	31.29

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** SECTIONALS **

INST NO	SECTN NO	SIDE	SEQ NO	NAME AND CRASH STATUS	X	Y	INCHES Z
			10	AFTER	112.47	-27.96	31.34
			11	AFTER	115.97	-25.67	31.36
			12	AFTER	116.03	-25.43	31.61
			13	AFTER	118.95	-23.47	31.43
			14	AFTER	121.07	-21.99	31.65
			15	AFTER	121.95	-21.63	31.61
			16	AFTER	125.99	-21.89	31.56
			17	AFTER	123.93	-21.17	31.61
			18	AFTER	128.42	-23.42	31.58
			19	AFTER	129.47	-24.53	31.62
			20	AFTER	129.92	-24.70	31.67
			21	AFTER	130.46	-26.45	31.66
			22	AFTER	131.93	-27.51	31.72
			23	AFTER	134.68	-28.84	31.90
			24	AFTER	140.21	-30.40	31.95
			25	AFTER	145.90	-31.91	32.16
			26	AFTER	151.86	-33.46	32.28
			27	AFTER	159.37	-35.36	32.33
			28	AFTER	164.36	-36.59	32.45
			29	AFTER	167.46	-37.36	32.60
			30	AFTER	169.74	-37.96	32.64

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== SECTIONALS ==

UNT NO	SCIN NO	SIDE	SEQ NO	NAME AND CRASH STATUS	X	Y	INCHES Z
			31	AFTER	171.56	-37.33	32.00
			32	AFTER	173.50	-37.64	32.06
			33	AFTER	175.00	-37.86	31.95
427	S1			CHARACTER LINE EXT SECT			
			1	AFTER	81.49	-36.80	23.27
			2	AFTER	85.19	-36.84	23.33
			3	AFTER	90.11	-36.89	23.32
			4	AFTER	92.09	-37.72	23.11
			5	AFTER	94.67	-36.75	23.26
			6	AFTER	99.30	-34.98	23.34
			7	AFTER	102.75	-33.59	23.28
			8	AFTER	105.84	-32.32	23.44
			9	AFTER	107.91	-31.45	23.48
			10	AFTER	110.85	-30.06	23.63
			11	AFTER	113.11	-28.73	23.61
			12	AFTER	114.43	-27.68	23.62
			13	AFTER	115.32	-26.87	23.65
			14	AFTER	117.74	-24.60	23.60
			15	AFTER	119.63	-23.14	23.63
			16	AFTER	121.41	-22.25	23.56

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** SECTIONALS **

UBT NO	SCIN NO	SIDE	REQ NO	NAME AND CRASH STATUS	X	Y	INCHES Z
			17	AFTER	123.80	-21.80	23.77
			18	AFTER	125.86	-22.17	23.89
			19	AFTER	127.71	-23.10	24.14
			20	AFTER	128.96	-24.02	23.87
			21	AFTER	130.00	-24.80	24.07
			22	AFTER	130.14	-27.04	23.73
			23	AFTER	136.41	-28.90	23.86
			24	AFTER	141.74	-30.32	24.09
			25	AFTER	148.45	-31.98	24.23
			26	AFTER	154.89	-33.55	24.32
			27	AFTER	160.92	-35.15	24.72
			28	AFTER	166.11	-36.47	24.70
			29	AFTER	167.31	-36.29	24.53
			30	AFTER	169.45	-36.53	24.37

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BOTTOM OF DOOR EXT SECT

			1	AFTER	92.72	-34.48	15.61
			2	AFTER	96.61	-33.47	15.64
			3	AFTER	102.39	-31.83	15.66
			4	AFTER	107.86	-30.24	15.70
			5	AFTER	112.71	-28.57	15.59

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** SECTIONALS **

UNT NO	SCEN NO	SIDE	SEQ NO	NAME AND CRASH STATUS	X	Y	INCHES E
			6	AFTER	115.98	-27.58	15.45
			7	AFTER	117.36	-26.29	15.37
			8	AFTER	119.58	-23.60	15.34
			9	AFTER	121.56	-22.26	15.29
			10	AFTER	126.42	-22.54	15.35
			11	AFTER	123.80	-21.82	15.92
			12	AFTER	128.35	-23.94	15.82
			13	AFTER	130.65	-25.64	15.42
			14	AFTER	131.60	-25.44	15.79
			15	AFTER	138.18	-26.79	16.06
			16	AFTER	143.96	-28.31	16.21
			17	AFTER	151.20	-30.23	16.39
			18	AFTER	159.63	-32.42	16.59
			19	AFTER	165.34	-33.95	16.76
			20	AFTER	166.43	-34.22	16.80

433 81

ROOF LINE INTERIOR SECT

1	BEFORE	95.59	-29.36	46.15
1	AFTER	100.25	-28.03	47.64
2	BEFORE	113.03	-23.14	57.54
2	AFTER	115.95	-20.56	58.36
3	BEFORE	123.31	-22.76	59.24
3	AFTER	122.96	-17.48	60.46

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** SECTIONALS **

INT NO	SCEN NO	SIDE	SEQ NO	NAME AND CRASH STATUS	X	Y	INCHES Z
			4	BEFORE	134.54	-22.21	59.62
			4	AFTER	133.45	-15.53	60.14
			5	BEFORE	147.83	-22.95	59.27
			5	AFTER	144.30	-17.09	61.66
			6	AFTER	158.37	-19.99	60.89
			7	AFTER	173.27	-23.97	57.45

435 B1

BEST LINE INTERIOR SECT

			1	BEFORE	100.72	-32.23	41.90
			1	AFTER	106.34	-28.07	42.41
			2	BEFORE	107.12	-32.08	41.86
			2	AFTER	115.81	-22.44	42.50
			3	BEFORE	125.01	-32.13	42.35
			3	AFTER	120.47	-20.48	42.92
			4	BEFORE	129.32	-32.69	42.08
			4	AFTER	125.12	-19.29	43.15
			5	BEFORE	131.17	-30.64	42.37
			5	AFTER	131.68	-18.88	43.32
			6	BEFORE	135.49	-30.80	42.56
			6	AFTER	136.69	-20.69	43.13
			7	BEFORE	136.88	-32.67	42.78
			7	AFTER	136.52	-20.76	42.87
			8	BEFORE	144.36	-32.67	42.95
			8	AFTER	142.58	-23.29	42.95
			9	BEFORE	145.51	-32.16	43.05
			9	AFTER	149.69	-24.96	43.42
			10	AFTER	157.59	-27.14	43.60

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** SECTIONS **

INT NO	SCIN NO	SIDE	SEQ NO	NAME AND CRASH STATUS	X	Y	INCHES Z
			11	AFTER	168.21	-30.64	44.56
			12	AFTER	174.50	-32.14	44.76
437	S1		HIP INTERIOR SECTION				
			1	AFTER	123.14	-23.62	28.52
			2	AFTER	126.49	-19.40	27.66
			3	AFTER	128.87	-18.52	27.31
			4	AFTER	135.02	-20.67	27.70
			5	AFTER	148.60	-25.17	27.67
			6	AFTER	154.65	-27.29	27.87
			7	AFTER	164.17	-29.54	28.19
438	S1		1ST 50 PWD/HINGE PLANE				
			1	AFTER	93.97	-34.23	15.64
			2	AFTER	94.18	-35.17	16.45
			3	AFTER	94.19	-35.53	17.11
			4	AFTER	94.24	-35.87	18.35
			5	AFTER	94.48	-36.17	20.21
			6	AFTER	94.53	-36.60	22.43
			7	AFTER	94.69	-37.14	25.05
			8	AFTER	94.71	-37.25	27.10

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** SECTIONALS **

UNIT NO	SCIN NO	SIDE	SEQ NO	NAME AND CRASH STATUS	X	Y	INCHES Z
			9	AFTER	94.69	-37.09	30.98
			10	AFTER	94.69	-37.00	28.95
			11	AFTER	94.65	-35.99	33.78
			12	AFTER	94.26	-36.48	37.95
			13	AFTER	94.43	-36.86	35.77
			14	AFTER	94.05	-36.16	39.23
			15	AFTER	93.89	-35.71	40.70
			16	AFTER	93.78	-35.41	41.27
			17	AFTER	93.70	-35.24	41.52
			18	AFTER	93.64	-35.12	41.85
			19	AFTER	93.47	-34.56	42.76
			20	AFTER	93.40	-34.01	43.50

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SECT # 2500 BODY LINE

1	AFTER	101.27	-31.16	15.09
2	AFTER	101.35	-32.21	15.60
3	AFTER	101.61	-32.84	16.18
4	AFTER	101.71	-33.94	17.10
5	AFTER	101.82	-33.60	18.81
6	AFTER	101.83	-33.79	20.46
7	AFTER	101.86	-33.94	22.85

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** SECTIONALS **

UNT NO	SCIN NO	SIDE	SEQ NO	NAME AND CRASH STATUS	X	Y	INCHES Z
			8	AFTER	101.87	-34.32	25.19
			9	AFTER	101.95	-34.30	27.12
			10	AFTER	101.83	-33.91	29.21
			11	AFTER	101.73	-33.60	30.63
			12	AFTER	101.30	-32.96	33.31
			13	AFTER	101.43	-33.19	32.18
			14	AFTER	101.32	-33.00	34.67
			15	AFTER	101.52	-33.25	36.69
			16	AFTER	101.50	-33.52	38.81
			17	AFTER	101.50	-33.53	40.53
			18	AFTER	101.53	-33.46	41.65
			19	AFTER	101.48	-33.45	41.95
			20	AFTER	101.42	-33.41	42.15
			21	AFTER	101.44	-33.39	42.58
			22	AFTER	101.36	-33.25	43.05
			23	AFTER	101.36	-32.93	43.41

440 81

VERT SECT. 20° FWD 1/CL

1	AFTER	121.52	-22.03	15.21
2	AFTER	121.64	-22.41	16.04
3	AFTER	121.60	-22.36	17.50

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DIMENSIONAL ANALYSIS REPORT

CRASH #: 11699

** SECTIONALS **

UNIT NO	SCIN NO	SIDE	SEQ NO	NAME AND CRASH STATUS	X	Y	INCHES Z
			4	AFTER	121.72	-22.29	19.25
			5	AFTER	121.78	-22.24	20.27
			6	AFTER	121.67	-22.19	22.19
			7	AFTER	121.75	-22.09	25.77
			8	AFTER	121.77	-22.07	27.39
			9	AFTER	121.61	-21.81	29.79
			10	AFTER	121.68	-21.81	33.17
			11	AFTER	121.56	-21.77	34.70
			12	AFTER	121.57	-21.91	36.16
			13	AFTER	121.58	-21.94	36.78
			14	AFTER	121.34	-21.53	38.11
			15	AFTER	121.51	-21.52	40.73
			16	AFTER	121.63	-21.54	41.44
			17	AFTER	121.49	-21.56	42.98
			18	AFTER	121.46	-21.64	43.65
			19	AFTER	121.46	-21.90	44.48
			20	AFTER	121.47	-21.81	44.99
			21	AFTER	121.87	-20.16	61.74
			22	AFTER	121.76	-20.26	62.91
			23	AFTER	121.79	-20.29	63.86
			24	AFTER	122.07	-19.36	64.10

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DIMENSIONAL ANALYSIS REPORT

CRASH #: 11699

** SECTIONAL **

TEST NO	ACTN NO	SIDE	SEQ NO	NAME AND CRASH STATUS	X	Y	INCHES Z
			25	AFTER	121.91	-18.80	65.01
			26	AFTER	121.56	-17.78	65.76
			27	AFTER	121.39	-16.66	66.38
440	62			VERT SECT. 20" FWD I/CL			
			1	AFTER	121.97	-21.06	21.63
			2	AFTER	121.37	-19.92	38.56
			3	AFTER	121.50	-20.05	42.80
441	91			VERT SECT. @ IMPACT C/L			
			1	BEFORE	129.90	-37.09	16.82
			1	AFTER	129.07	-24.63	16.18
			2	BEFORE	129.90	-37.84	19.04
			2	AFTER	129.25	-24.22	15.13
			3	BEFORE	129.90	-38.53	24.02
			3	AFTER	128.93	-24.51	17.08
			4	BEFORE	129.90	-39.16	28.33
			4	AFTER	129.06	-24.32	19.46
			5	BEFORE	129.90	-39.14	32.47
			5	AFTER	129.09	-24.23	21.05
			6	BEFORE	129.90	-38.47	37.38
			6	AFTER	129.01	-24.12	24.28

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DIMENSIONAL ANALYSIS REPORT

CRASH #: 11699

** SECTIONALS **

UNIT NO	SECTN NO	SIDE	SEQ NO	NAME AND CRASH STATUS	X	Y	INCHES Z
			7	BEFORE	129.90	-36.79	41.46
			7	AFTER	129.06	-24.01	28.05
			8	BEFORE	129.90	-34.97	44.12
			8	AFTER	129.03	-23.76	29.99
			9	BEFORE	129.90	-24.68	60.73
			9	AFTER	128.88	-23.84	30.53
			10	BEFORE	129.90	-23.11	62.16
			10	AFTER	128.90	-23.82	32.84
			11	BEFORE	129.90	-18.84	63.05
			11	AFTER	128.90	-23.88	34.49
			12	AFTER	128.85	-23.61	35.40
			13	AFTER	128.74	-23.51	36.34
			14	AFTER	128.72	-23.62	36.60
			15	AFTER	128.76	-23.47	39.25
			16	AFTER	128.65	-23.40	40.78
			17	AFTER	128.69	-23.17	42.24
			18	AFTER	128.81	-23.08	43.31
			19	AFTER	128.89	-22.81	43.78
			20	AFTER	128.95	-22.73	44.12
			21	AFTER	129.16	-22.23	44.96
			22	AFTER	129.85	-18.84	62.38
			23	AFTER	129.76	-18.58	63.62
			24	AFTER	129.65	-18.20	64.58

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** SECTIONALS **

UNIT NO	SCIN NO	SIDE	SEQ NO	NAME AND CRASH STATUS	X	Y	INCHES Z
			25	AFTER	129.74	-16.69	64.65
			26	AFTER	129.40	-16.49	65.59
			27	AFTER	129.39	-16.40	66.44

441 52

VERT SECT. @ IMPACT C/L

	1	BEFORE	129.90	-30.79	21.29
	1	AFTER	133.49	-17.25	50.10
	2	BEFORE	129.90	-30.81	33.23
	2	AFTER	133.91	-16.50	53.18
	3	BEFORE	129.90	-30.85	37.82
	3	AFTER	134.45	-16.04	55.57
	4	BEFORE	131.52	-30.53	43.63
	4	AFTER	134.64	-16.16	55.67
	5	BEFORE	132.53	-29.43	47.53
	5	AFTER	135.60	-14.92	58.41
	6	BEFORE	133.24	-28.14	50.09
	7	BEFORE	133.93	-26.71	52.64
	8	BEFORE	134.62	-25.23	55.23
	9	BEFORE	135.26	-23.92	57.62

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** COMMENTS **

ANY AUTOMATICALLY GENERATED COMMENTS APPEAR IN THIS BOX:

THIS VEHICLE IS SET UP TO DESIGN ATTITUDE AND WHILE REPORTED IN ENGLISH UNITS, USES A METRIC PRINT ZERO. SUSPENSION COMPONENTS ARE NOT IN DESIGN POSITION. COORDINATES CAN BE CONVERTED TO DESIGN PRINT VALUES BY USING THE FOLLOWING: asking for a metric print-out or

TO CONVERT TO METRIC DESIGN PRINT VALUES: MULTIPLY BY 25.4.
TO CONVERT TO ENGLISH DESIGN PRINT VALUES: (for most DOMESTIC VEHICLES) SUBTRACT 78.74 (2000 MM) FROM THE X VALUE AND SUBTRACT 19.69 (500 MM) FROM THE Z VALUE.

*** THIS DIMENSION SYSTEM UTILIZES THE RIGHT HAND RULE ***
from Front of Vehicle FACING REARWARD
+ = Rearward, Up, & Left (AMERICAN PASSENGER SIDE)
[Lateral Zero is Centerline of Vehicle]

*** THE "D" DIMENSION UNDER "INCHES CHANGED X Y Z" ***
*** IS THE SCALAR (TRUE VALUE) DISTANCE CHANGE OF THE POINT ***

REMARKER::: Paint a C/L stripe on tunnel from front seat to and including rear seat where applicable.

*** IF this is a POLE IMPACT TEST, do NOT scribe cart edges. ***

ON SIDE IMPACTS FOR VEHICLES WITH A WHEELBASE OF 114 inches or less
SCRIBE (4) VERTICAL LINES on side of impact from ROCKER TO BELT LINE @:
(1) WHEELBASE C/L (2) 37" FORWARD OF WHEELBASE C/L
(3) 4" FORWARD OF WHEELBASE C/L (4) 29" REARWARD OF WHEELBASE C/L

ON SIDE IMPACTS FOR VEHICLES WITH A WHEEL BASE GREATER THAN 114 INCHES
SCRIBE (4) VERTICAL LINES on side of impact from ROCKER TO BELT LINE @:
(1) 20" (2) 53" (3) 86" REARWARD OF FRONT AXLE CENTER LINE
(4) @ WHEELBASE CENTER LINE

BELT LINE (EXTERIOR SECTION) LOCATED @ 1st INCREMENTED 50mm BODY LINE BELOW GLASS/WEATHERSTRIP

MID LINE (EXTERIOR SECTION) LOCATED @ _____ mm BODY LINE

CHARACTER LINE (EXTERIOR SECTION) LOCATED @ _____ mm BODY LINE

ROCKER LINE (EXTERIOR SECTION) LOCATED @
1ST INCREMENTED 10mm BODY LINE BELOW DOOR OPENING

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** COMMENTS **

SCRIBE A LONGITUDINAL C/L ALONG THE ENTIRE EXTERNAL BODY
(USE TAPE OR PAINT ON THE WINDSHIELD & BACKLIGHT)

SCRIBE A LONGITUDINAL C/L IN THE INTERIOR ON THE ROOF, TUNNEL/CONSOLE
AND ON SEATS

MARK A LONGITUDINAL C/L ON THE OCCUPANT FRONT & REAR SEATS

SCRIBE A VERTICAL LINE ON THE LEFT & RIGHT ROOF TARGET 27.00" REARWARD
OF THE FRONT EDGE OF THE MASTER CONTROL NOTCH OR CONTROL HOLE CENTER-
LINE. ALSO, SCRIBE A HORIZONTAL LINE ON THE TARGETS 46.00" ABOVE THE
TOP OF THE MASTER CONTROL NOTCH OR CONTROL HOLE CENTERLINE.

ANY COMMENTS ENTERED BY OPERATORS APPEAR BELOW THIS LINE:

UNIT 650 POINT DESCRIPTIONS ARE AS FOLLOWS:

1. N/A
2. N/A
3. R/FRONT SILL SETUP POINT.
4. R/REAR SILL SETUP POINT.
5. ACC ON TUNNEL BETWEEN SEATS
6. ACC ON L/F DOOR
7. ACC ON L/P DOOR
8. ACC ON L/F DOOR
9. ACC ON L/P DOOR
10. ACC ON L/S B PILLAR
11. ACC ON L/S B PILLAR
12. ACC L/R DOOR
13. ACC ON L/R DOOR
14. ACC UNDER DRIVER SEAT
15. ACC R/S B PILLAR
16. ACC UNDER R/F SEAT
17. ACC ON TUNNEL AT 1/P
18. ACC ON LEFT FRONT SILL.
19. ACC ON LEFT REAR SILL.
20. ACC ON RIGHT FRONT SILL.
21. ACC ON RIGHT REAR SILL.

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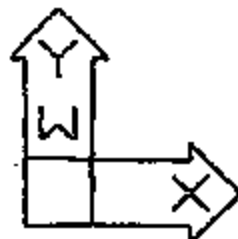
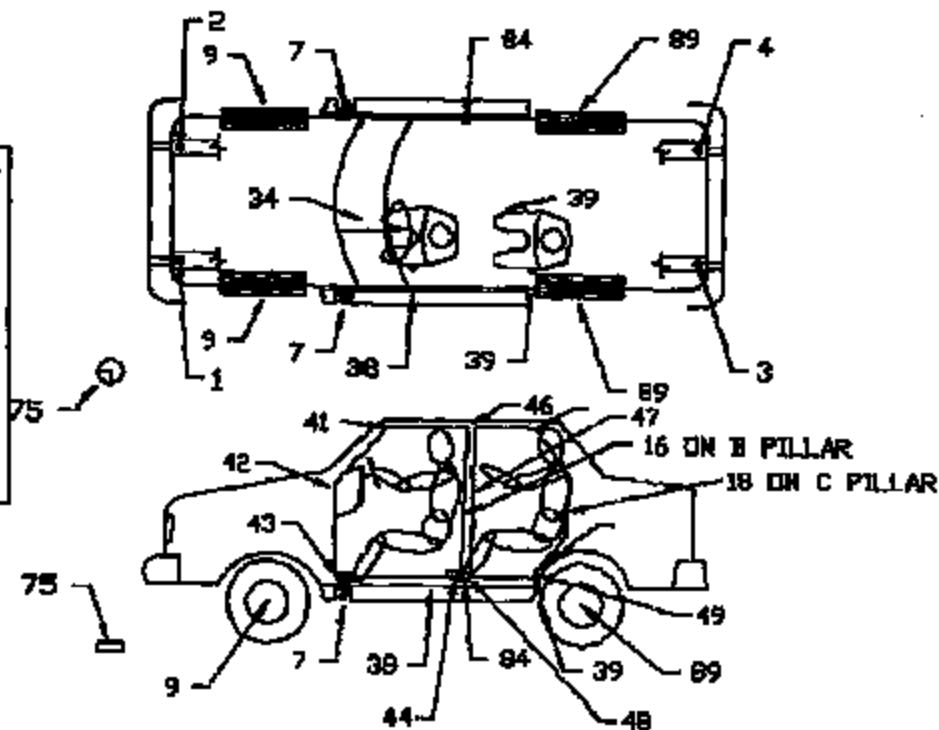
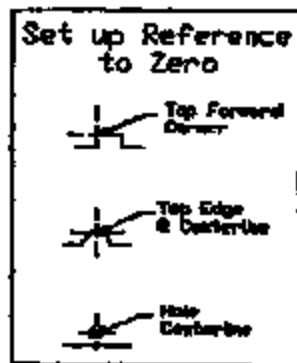
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CONTROL POINTS (SIDE IMPACT CAR) REQUEST 404
 UNIT 70 POINT 75
 UNIT 71 POINTS 7 LEFT & RIGHT
 UNIT 74 POINTS 41-44,46-49 ON SIDE OF IMPACT
 UNIT 74 POINTS 53,54 ON SIDE OPPOSITE OF IMPACT
 UNIT 411 POINTS 1-4,38,39,84
 UNIT 412 POINTS 9,16,18,89 LEFT & RIGHT
 (LEFT SIDE IMPACT SHOWN)



RFI01FST 404 IIPIC: 960 12/96

INSTRUM 1

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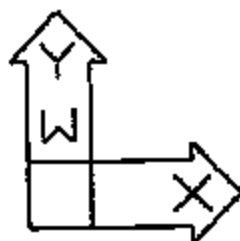
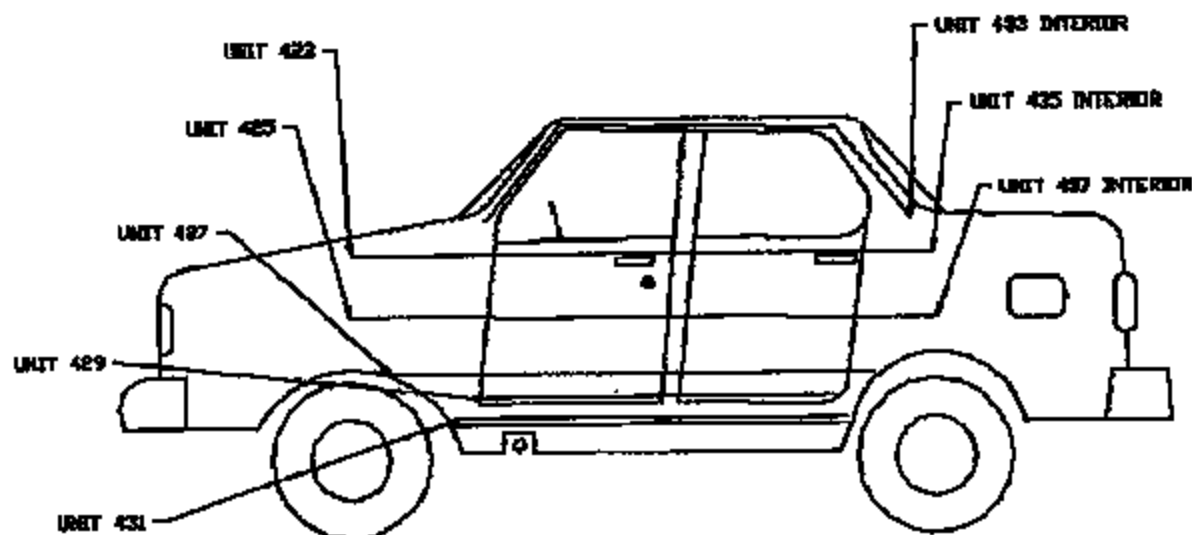
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05/30/97 09:58:59

EXTERIOR & INTERIOR HORIZ. SECTIONALS SIDE IMPACT
REQUEST 423,425,427,429,431,433,435,437



REQUEST 423,425,427,429,431,433,435,437 UPIC 977 10/96

DBEDWELL

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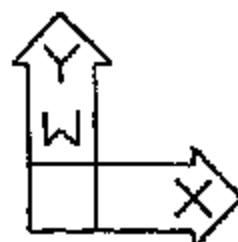
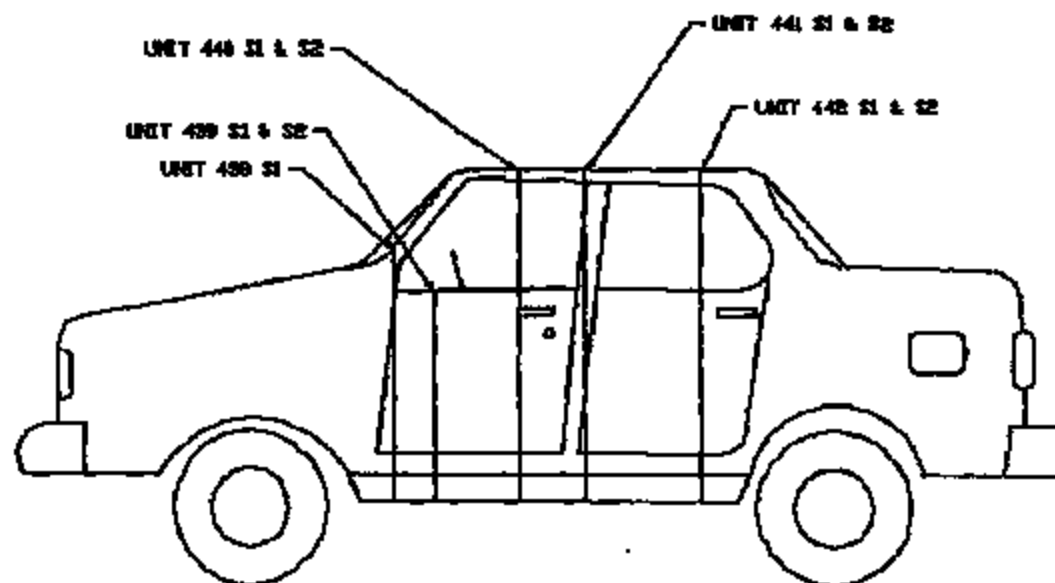
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06/30/97 10:01

REQUEST 438 - 442 VERT. SECTIONS SIDE IMPACT
 UNITS 438 SI, 439 - 442 SI & S2
 SI SECTIONS ARE EXTERIOR, S2 SECTIONS ARE INTERIOR



REQUEST 438 - 442 UPIC 979 10/96

DECEMBER

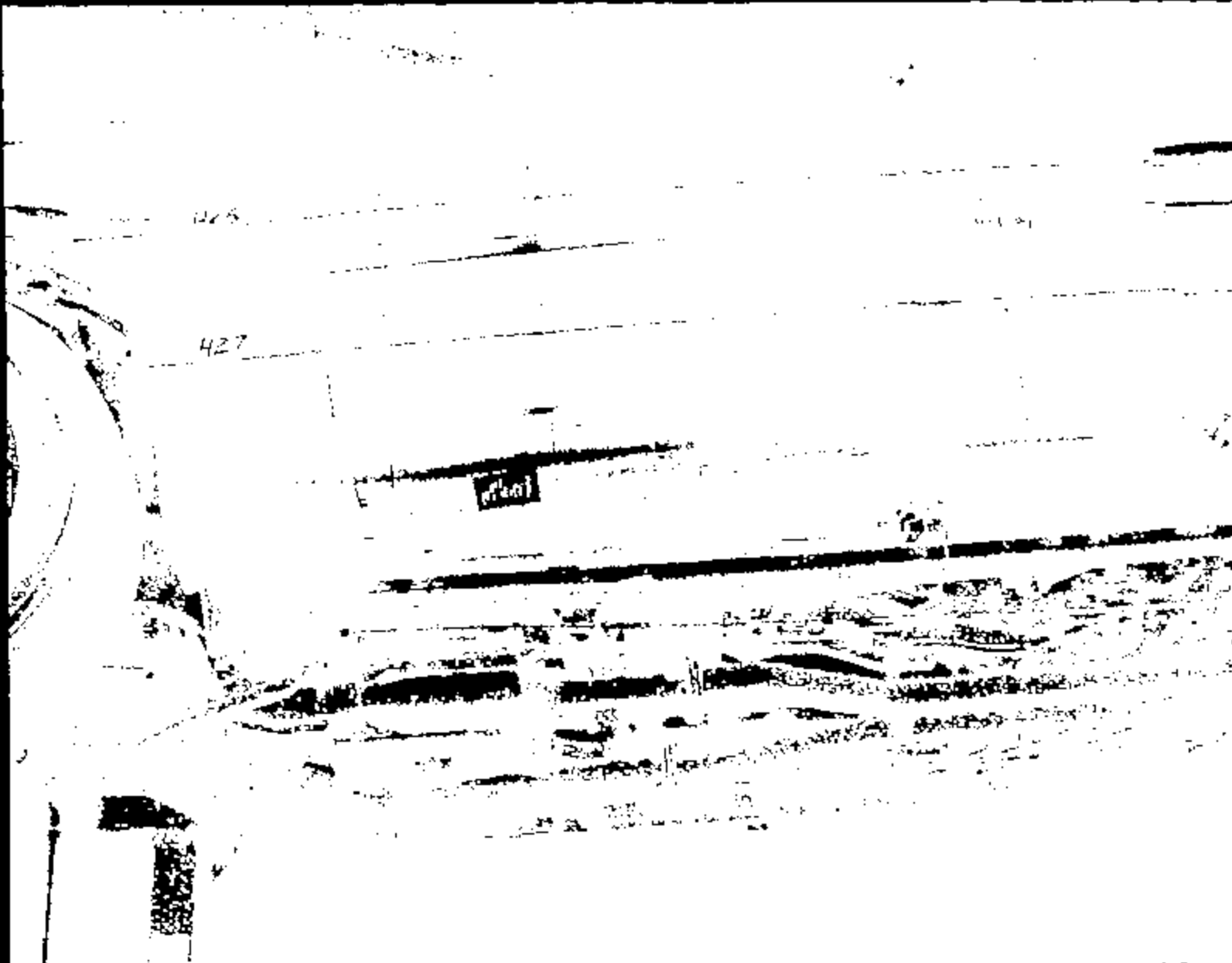
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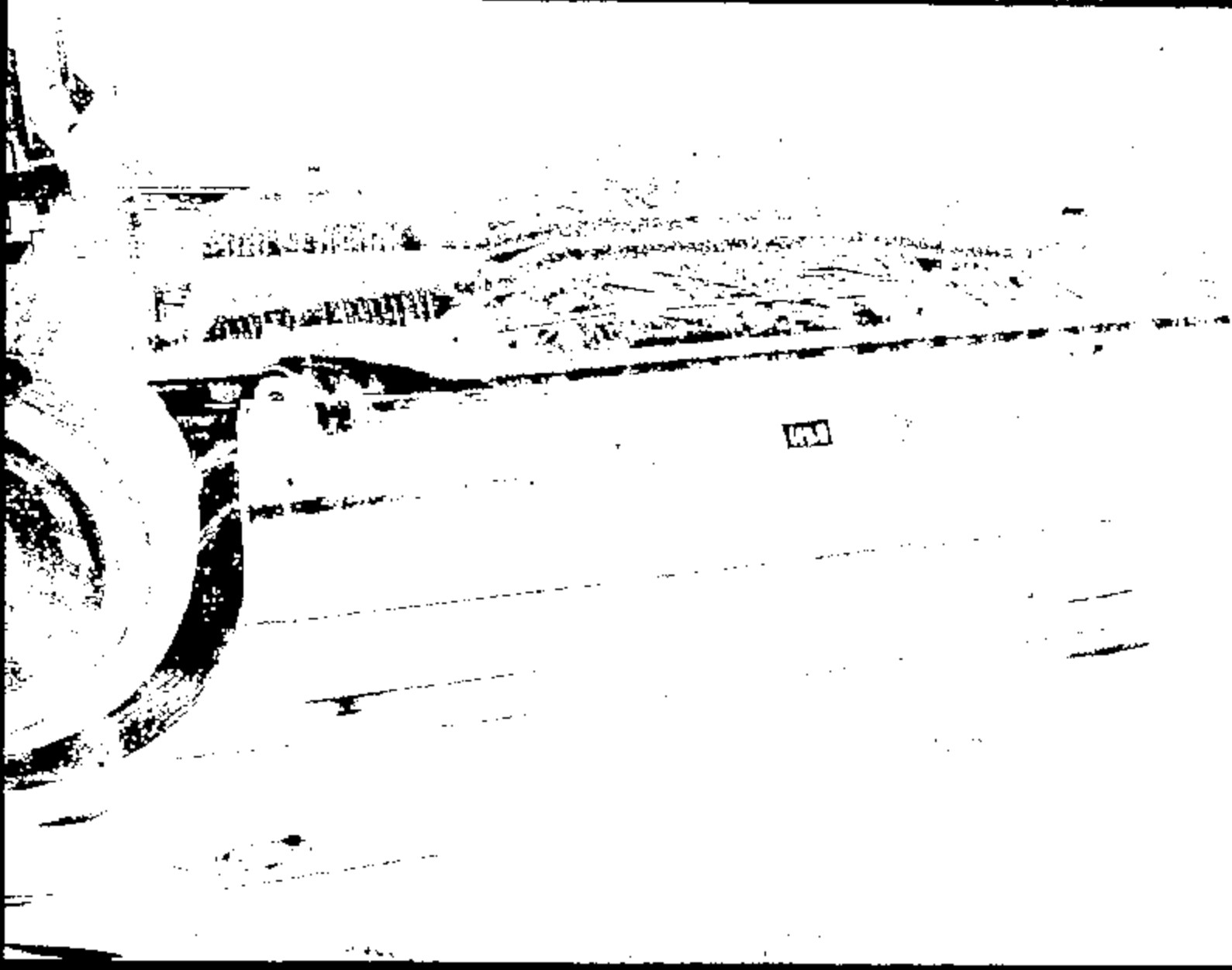


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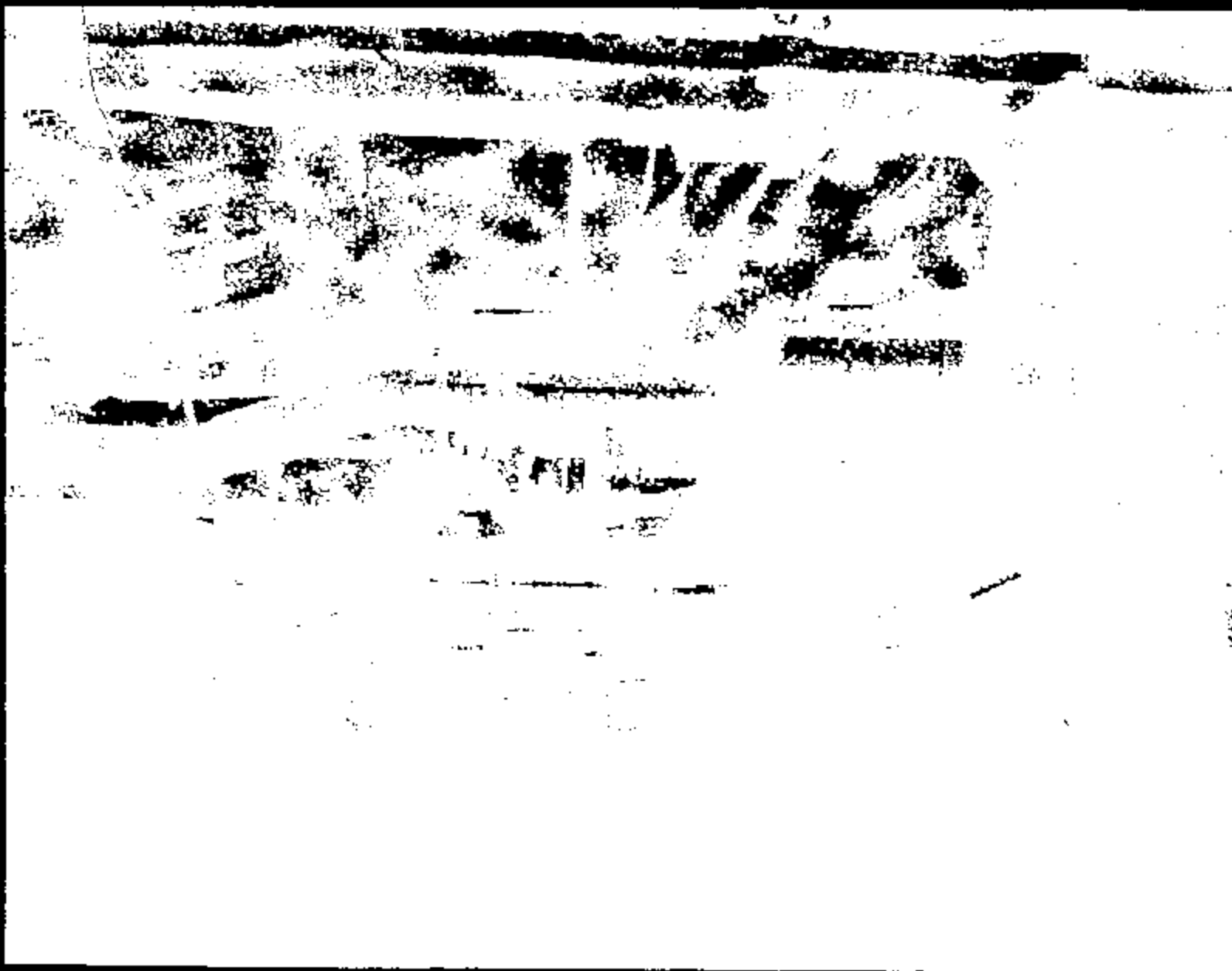
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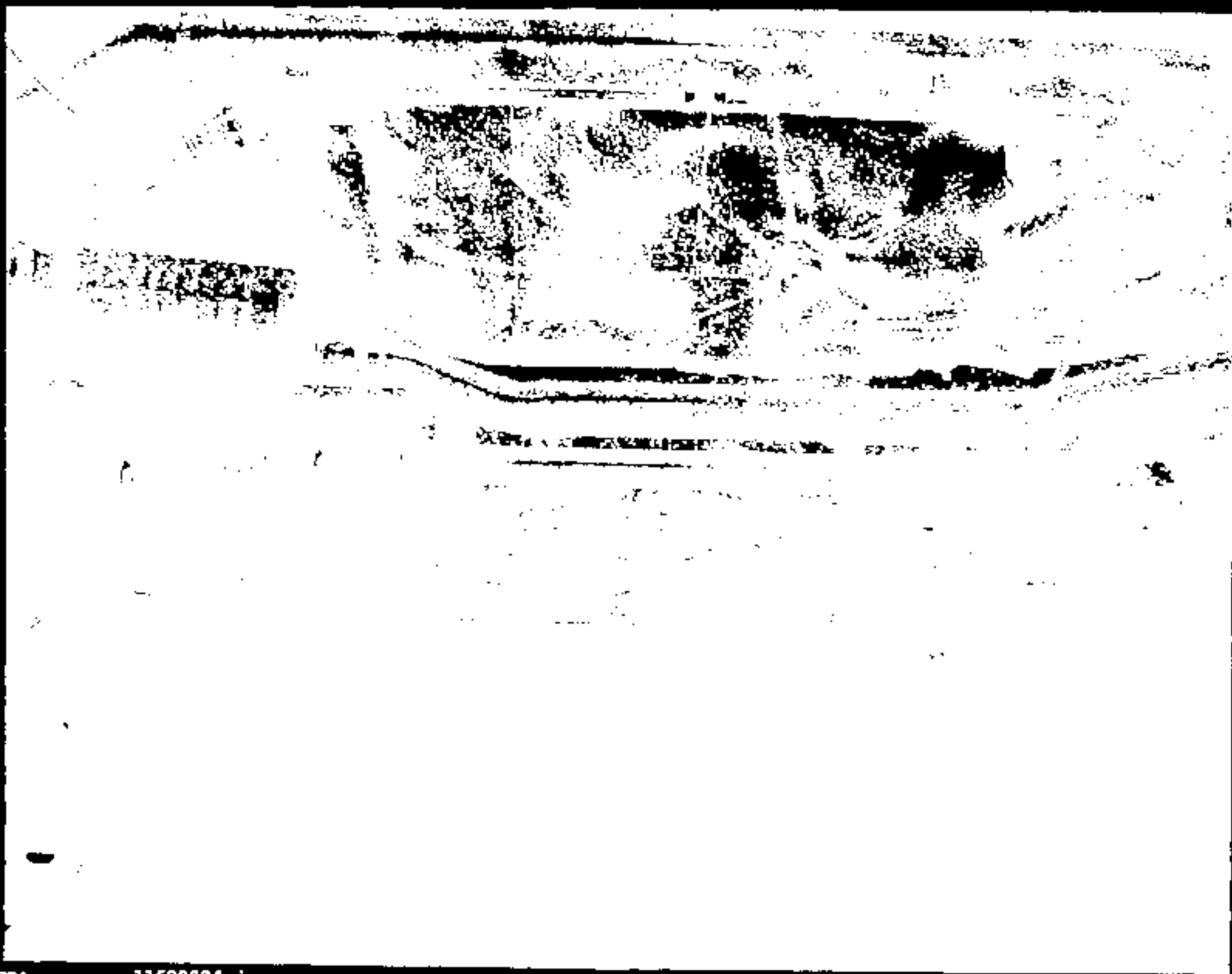


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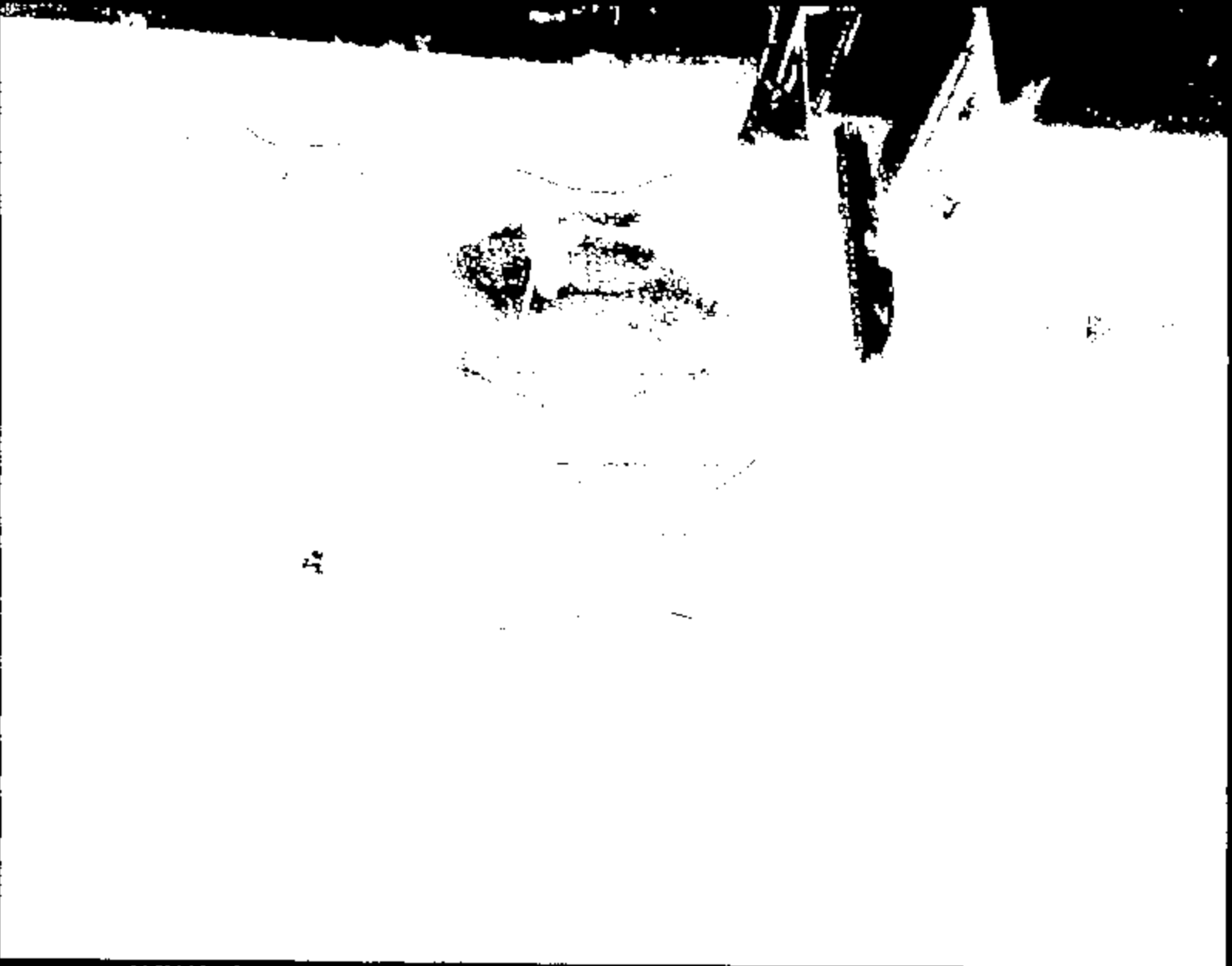


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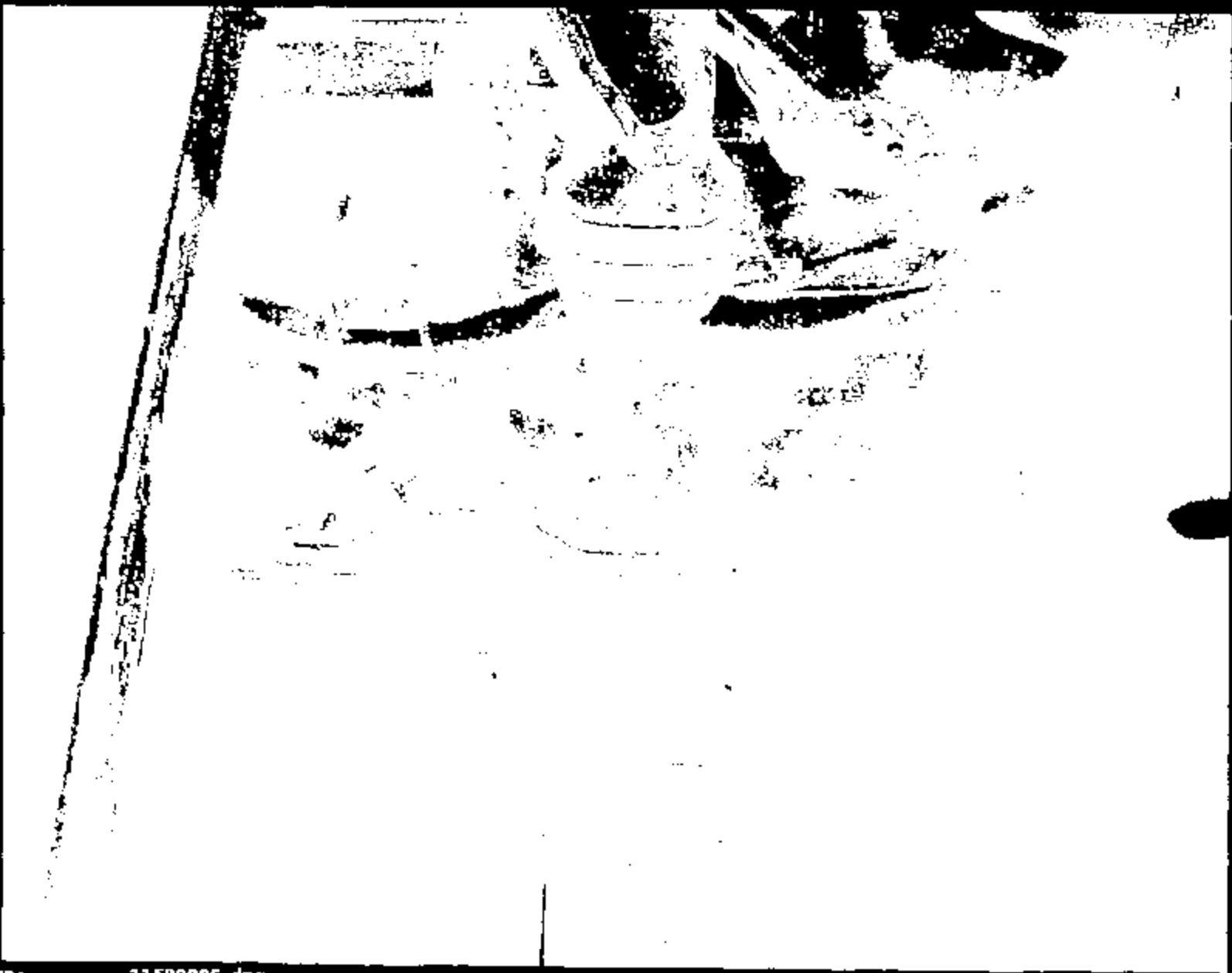
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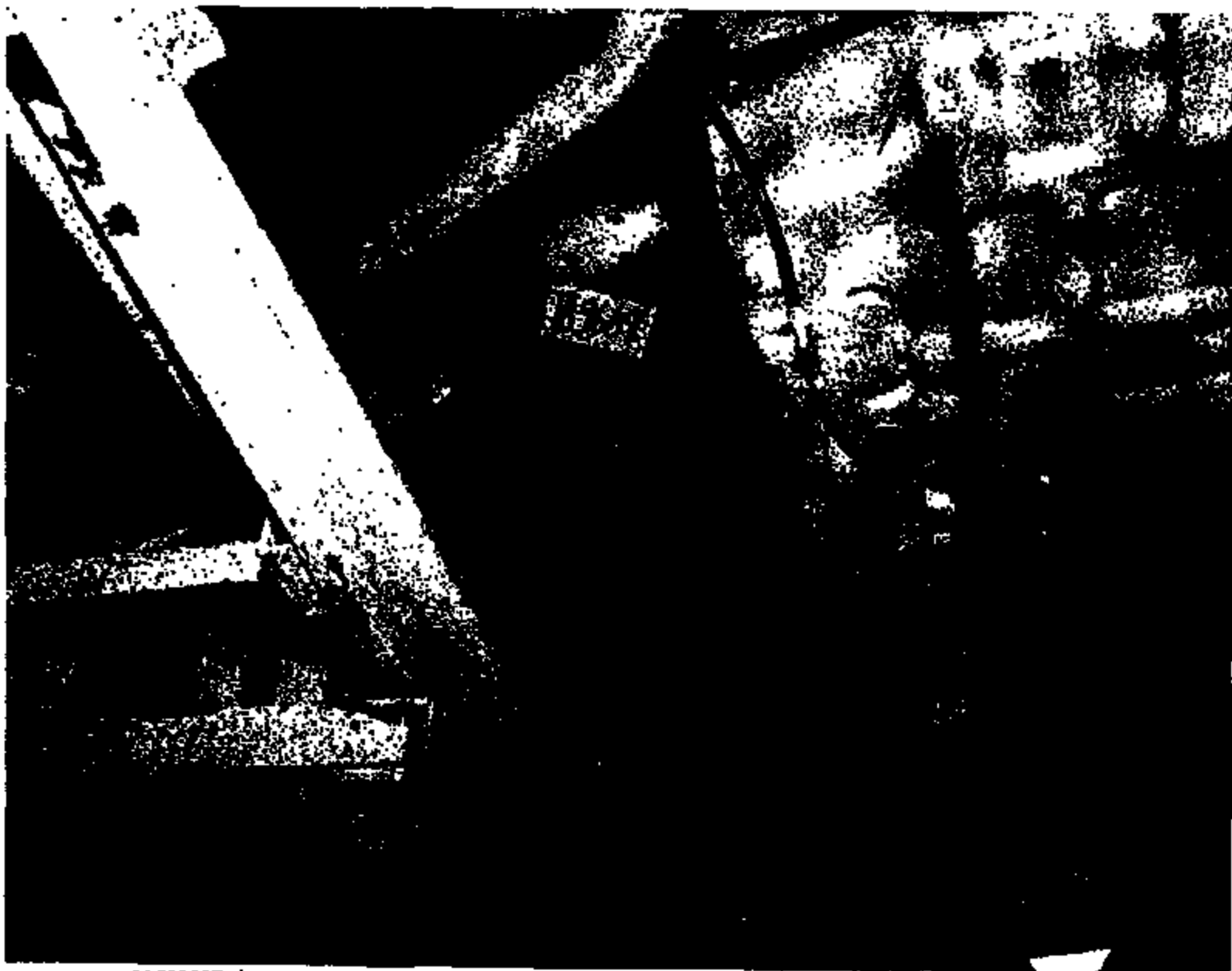
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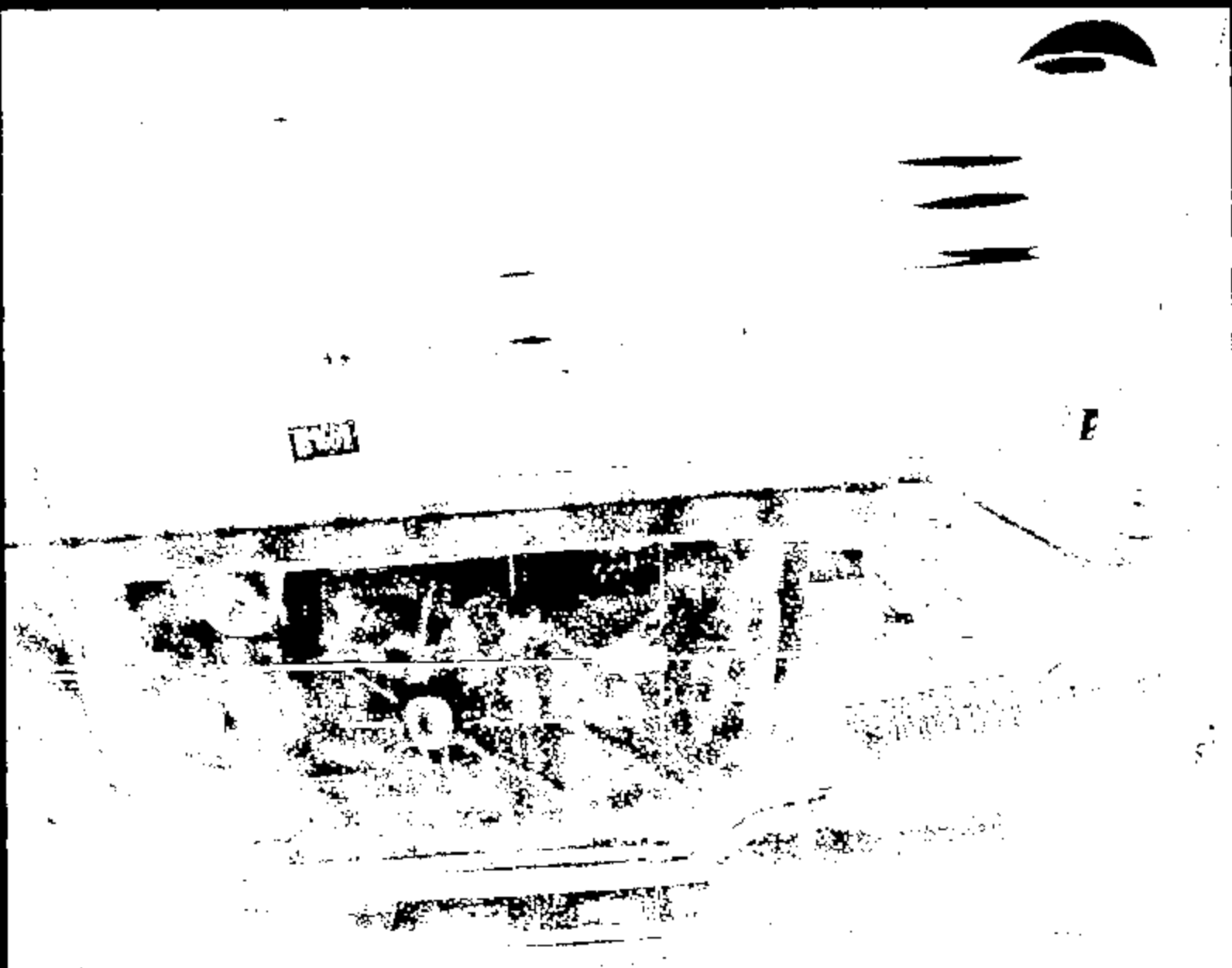
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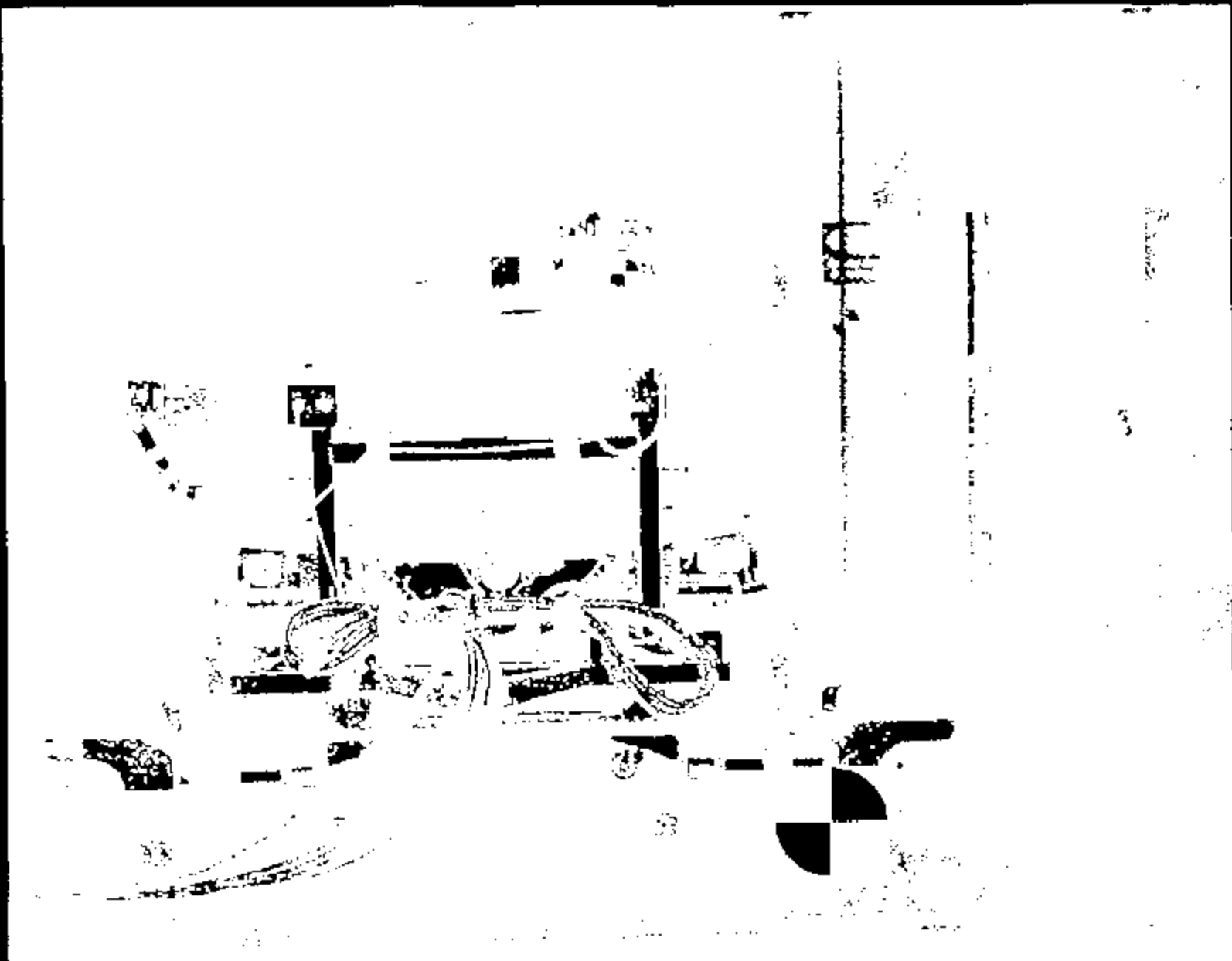


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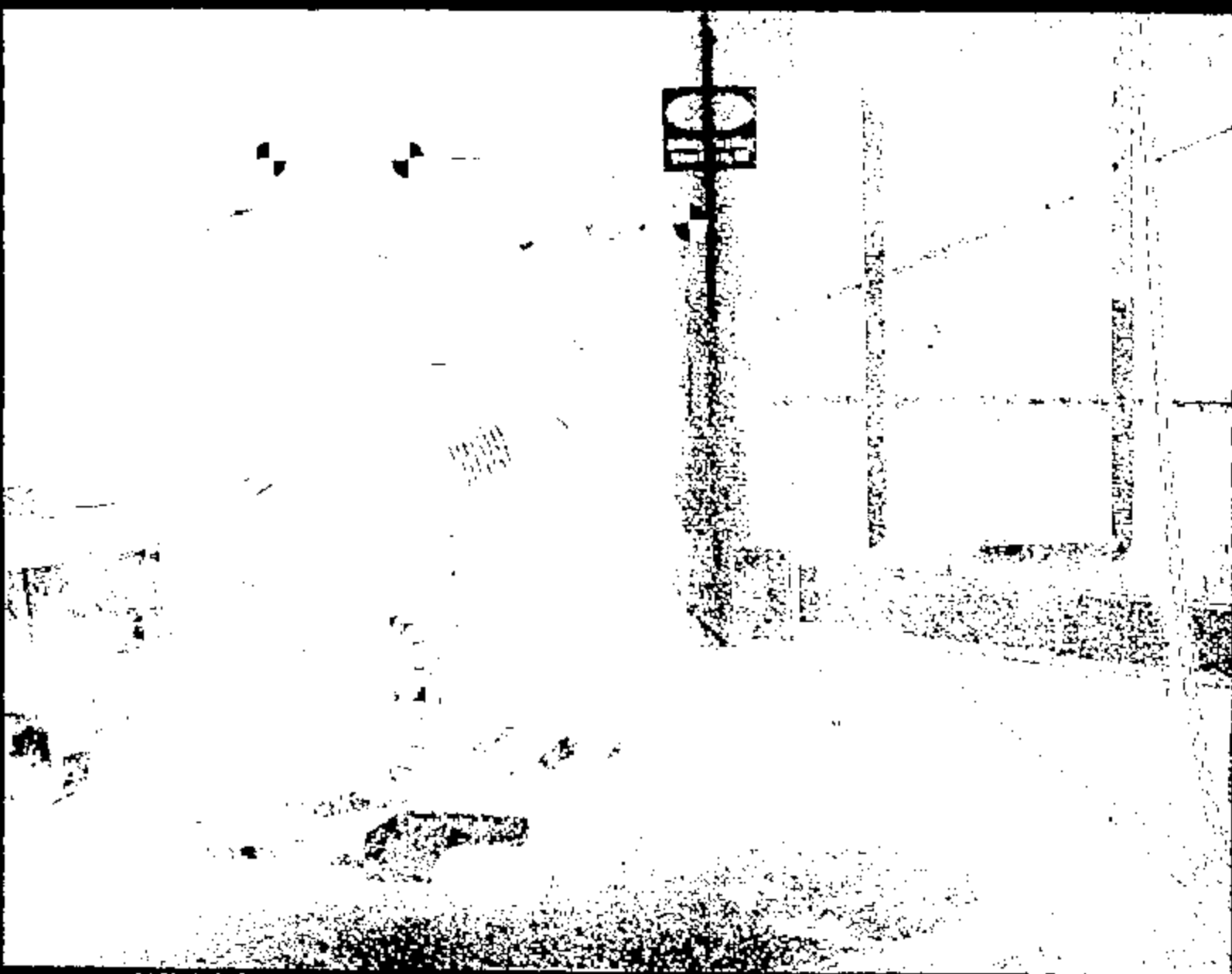
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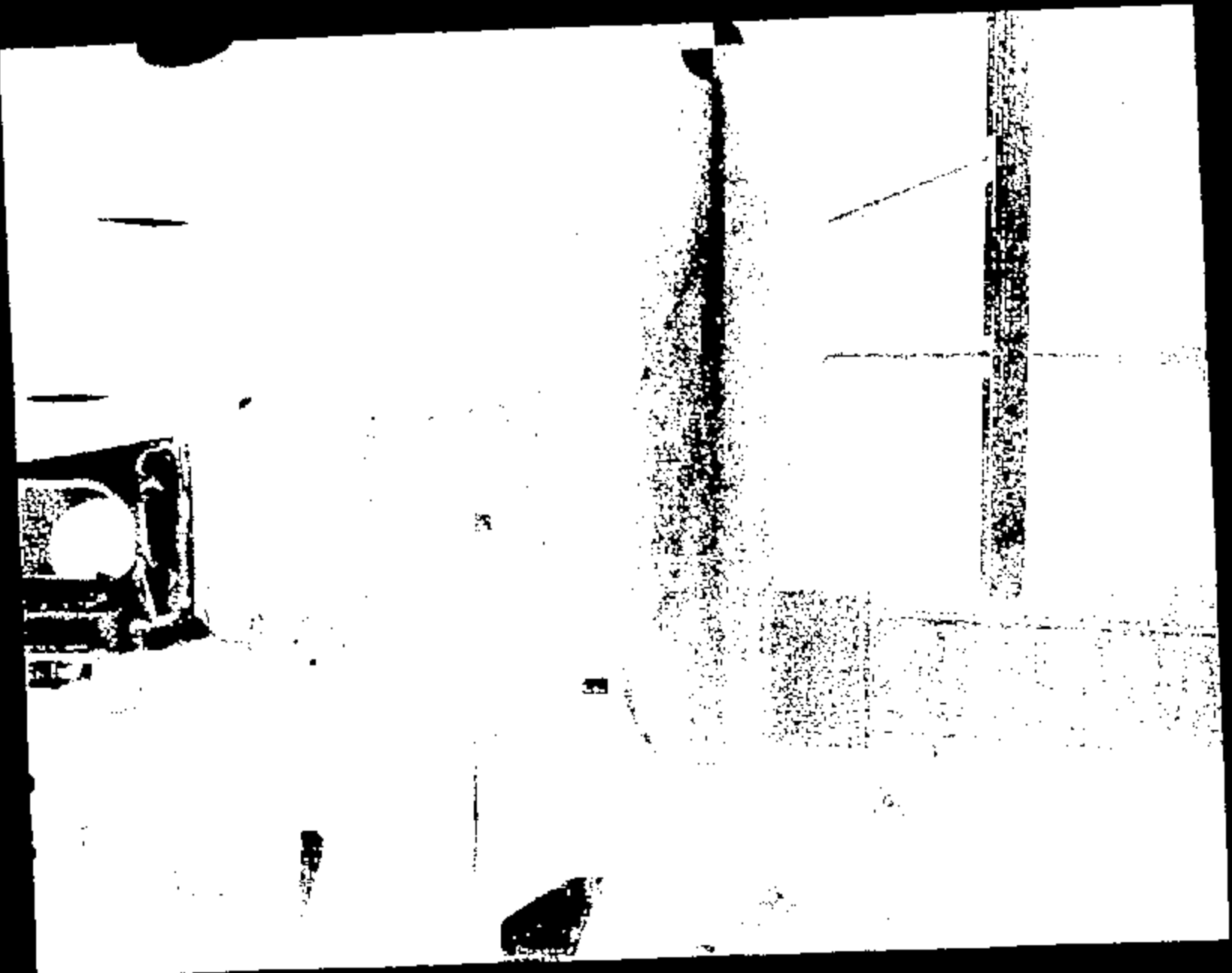


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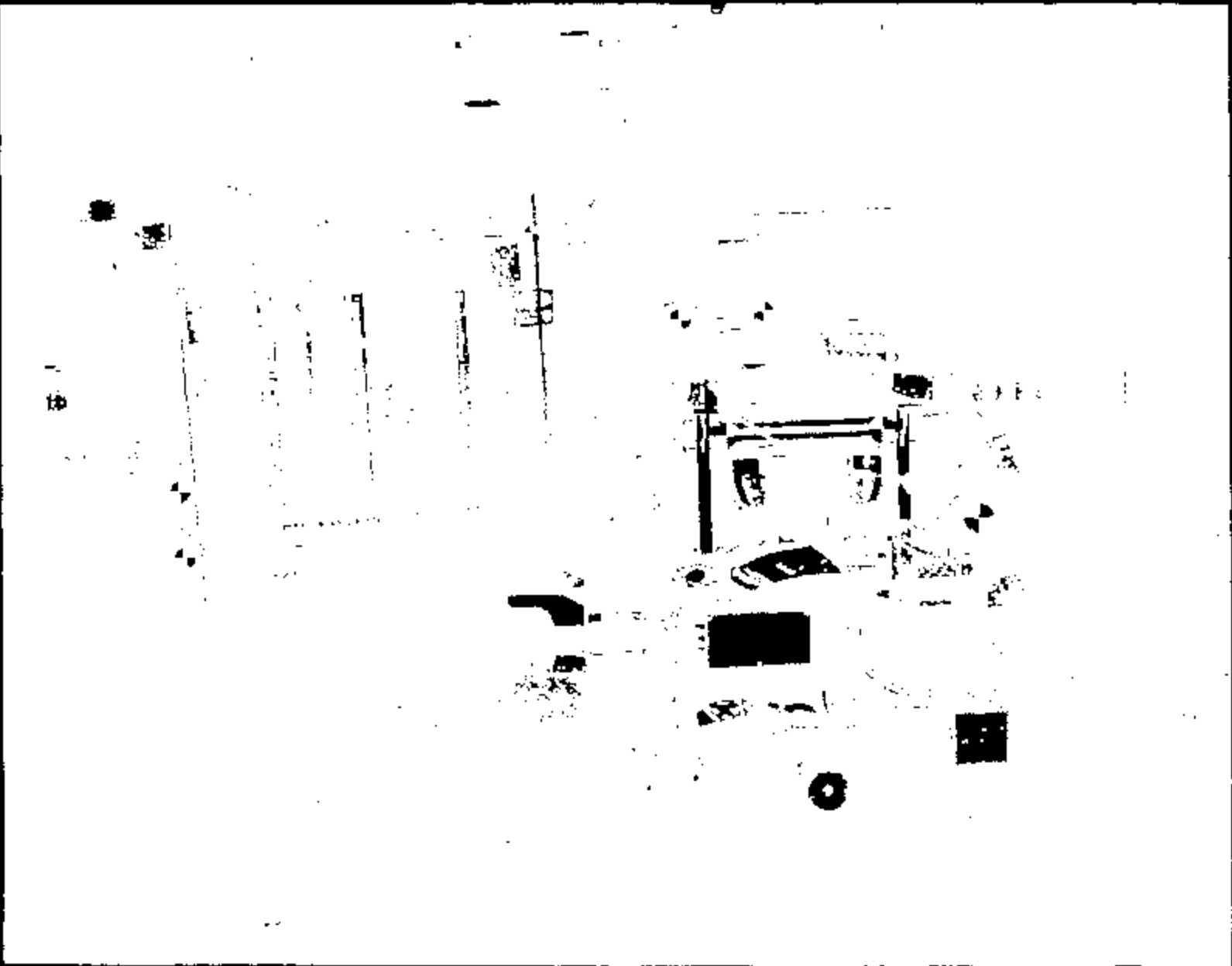


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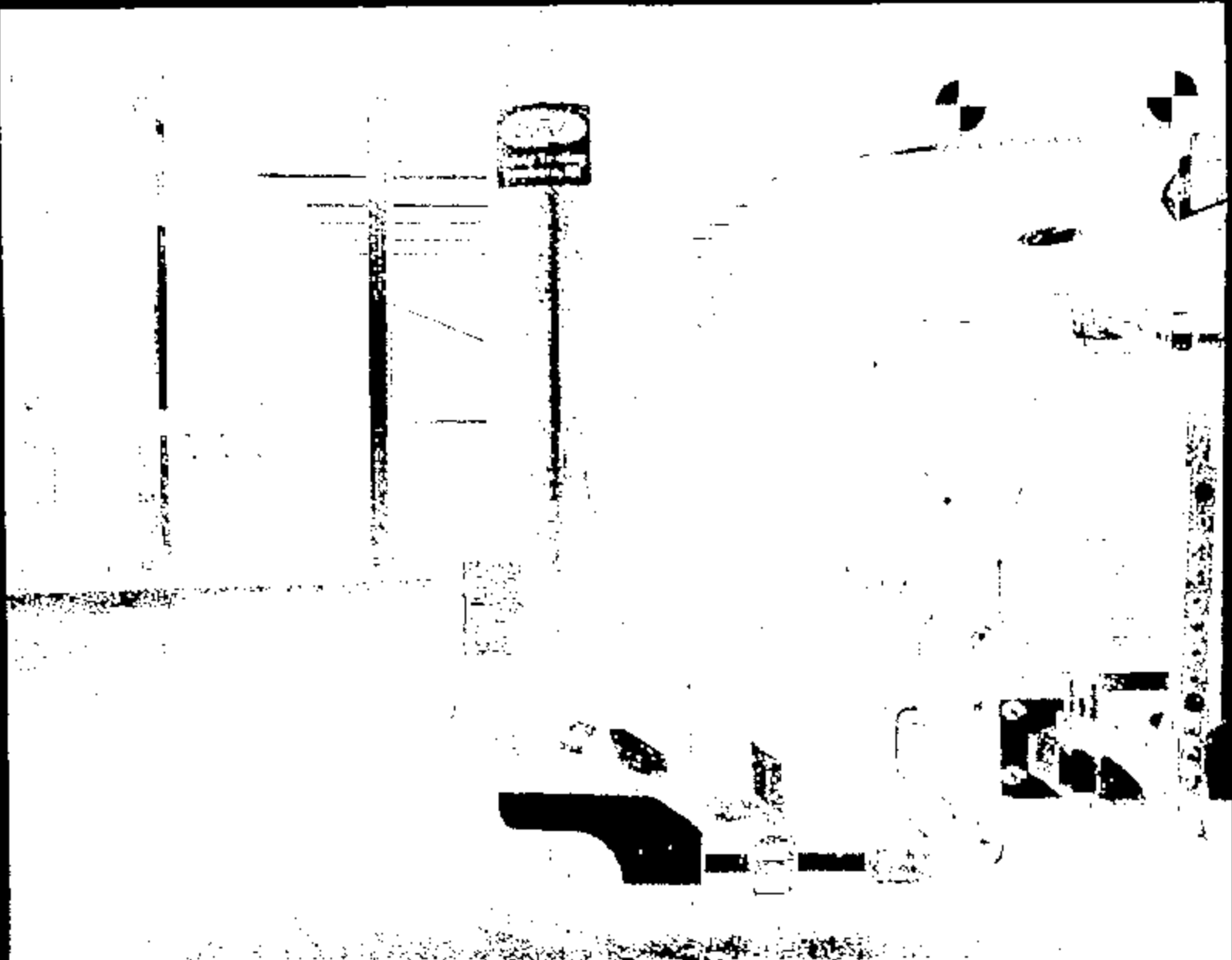
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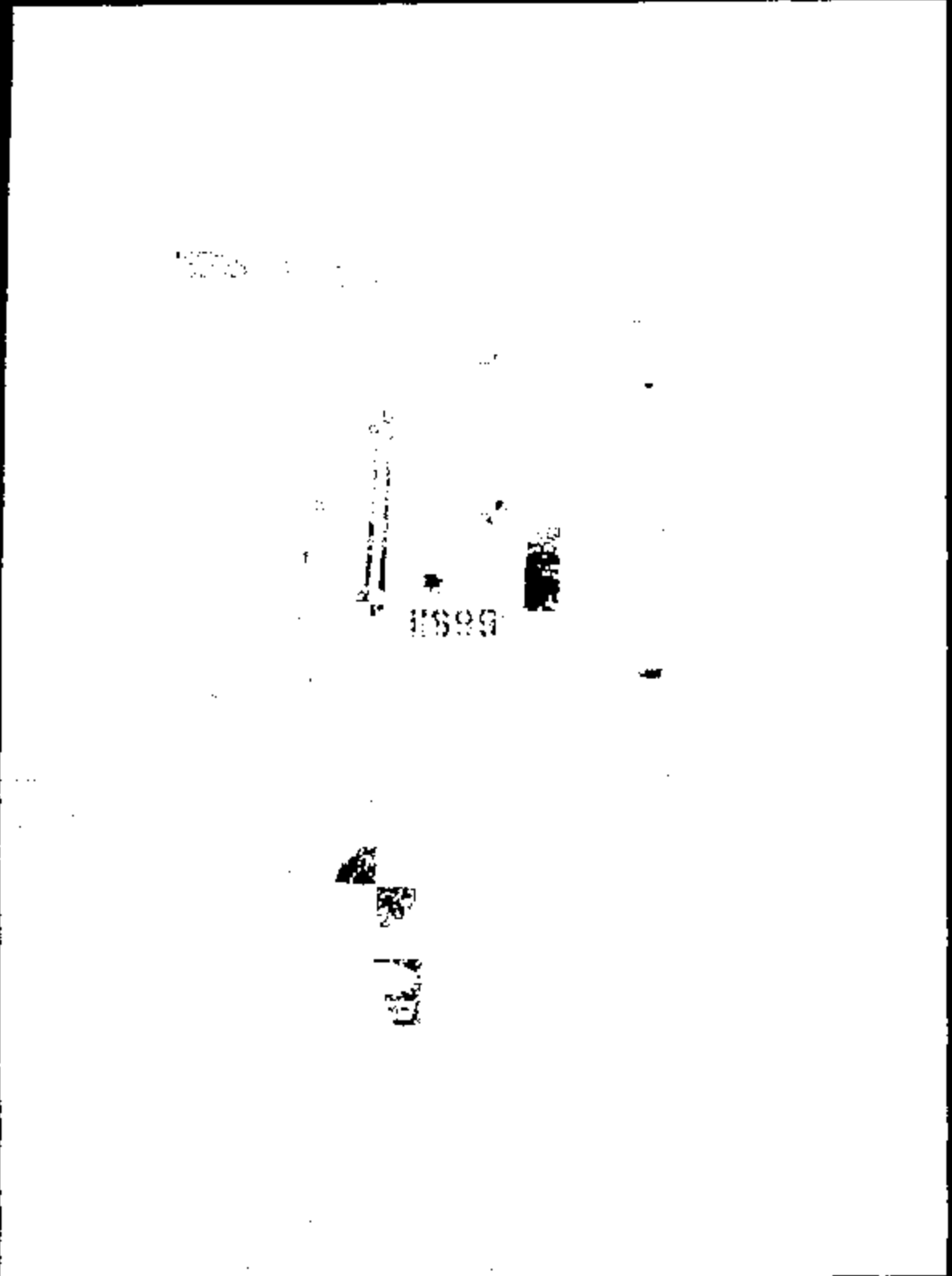
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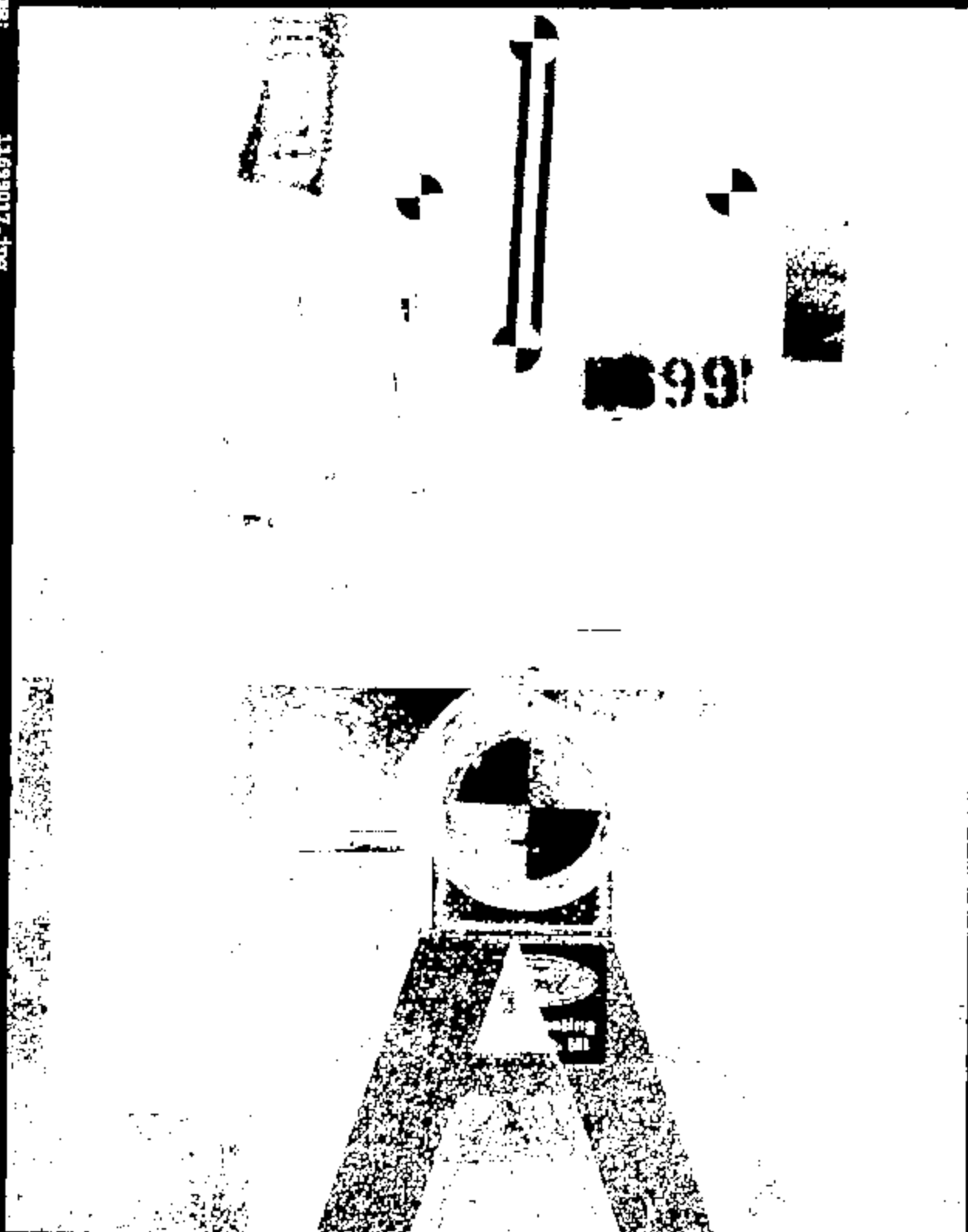
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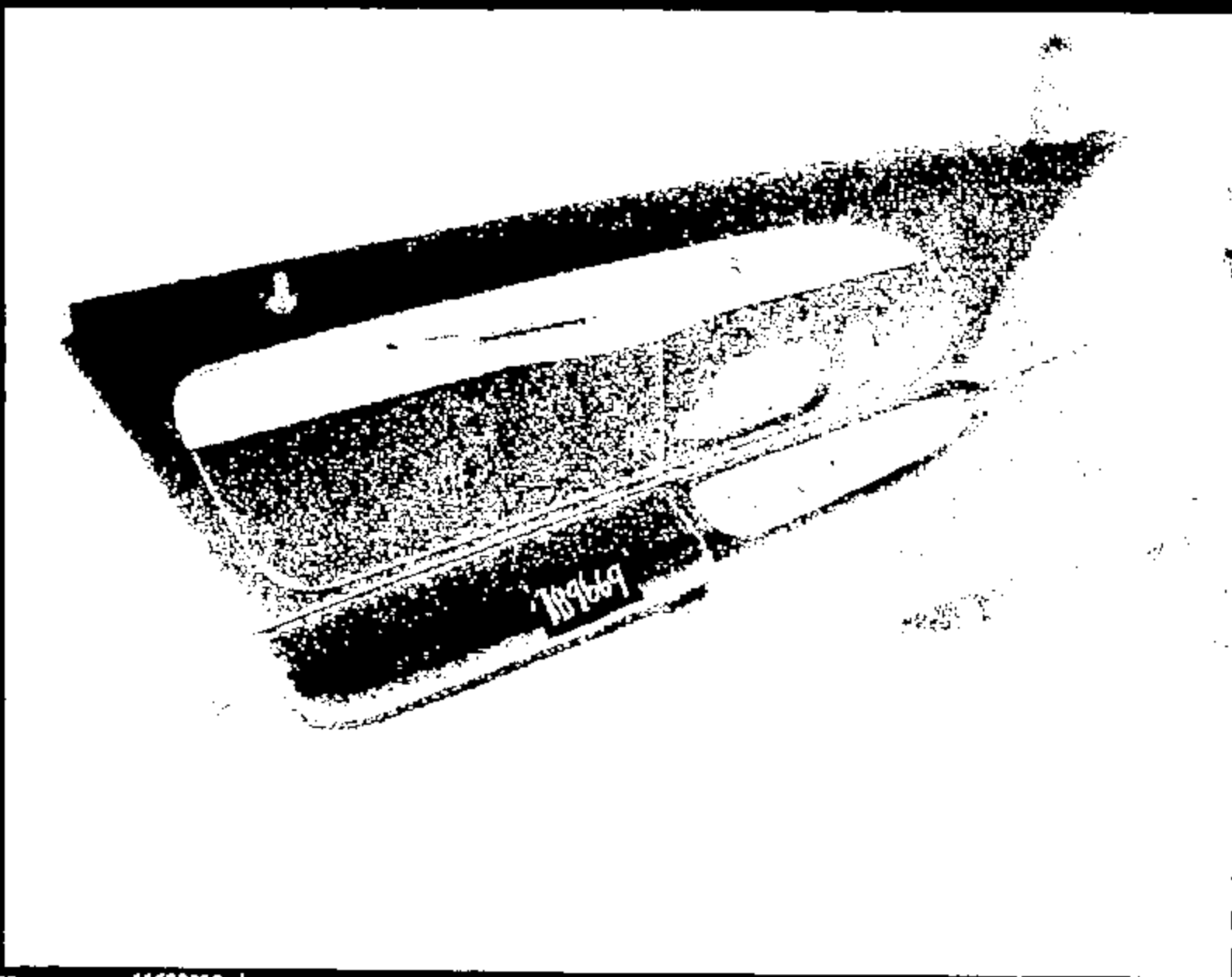
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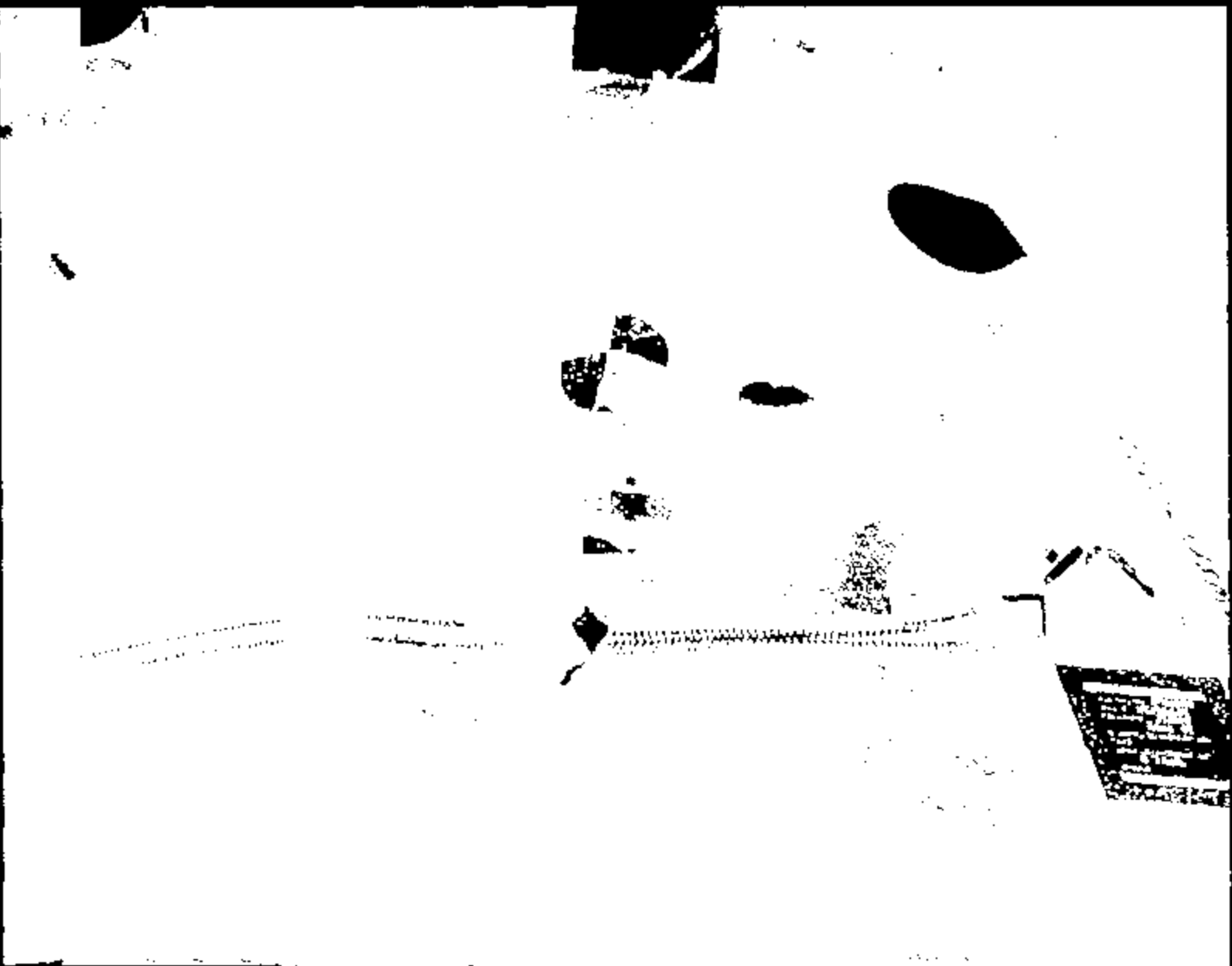


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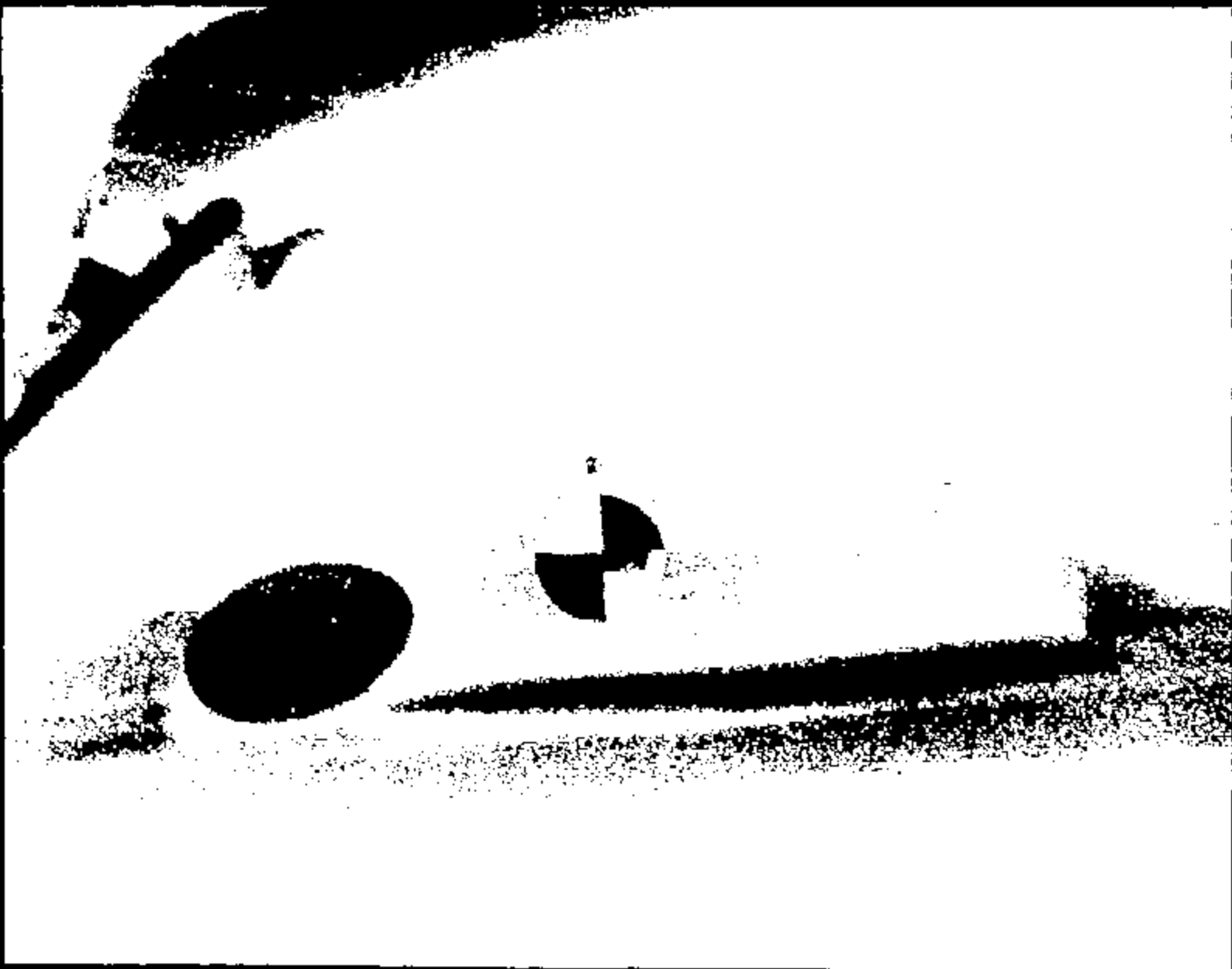
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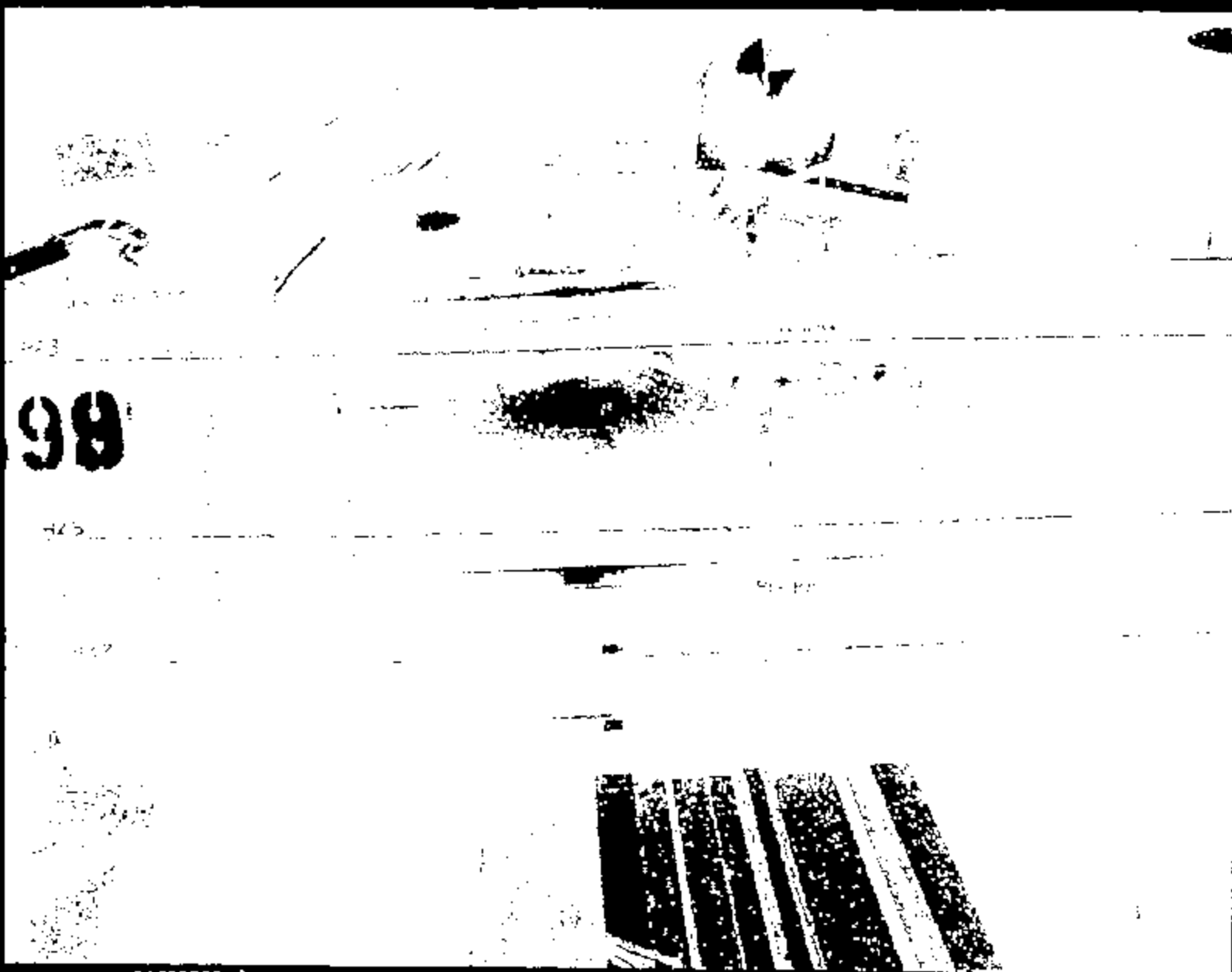


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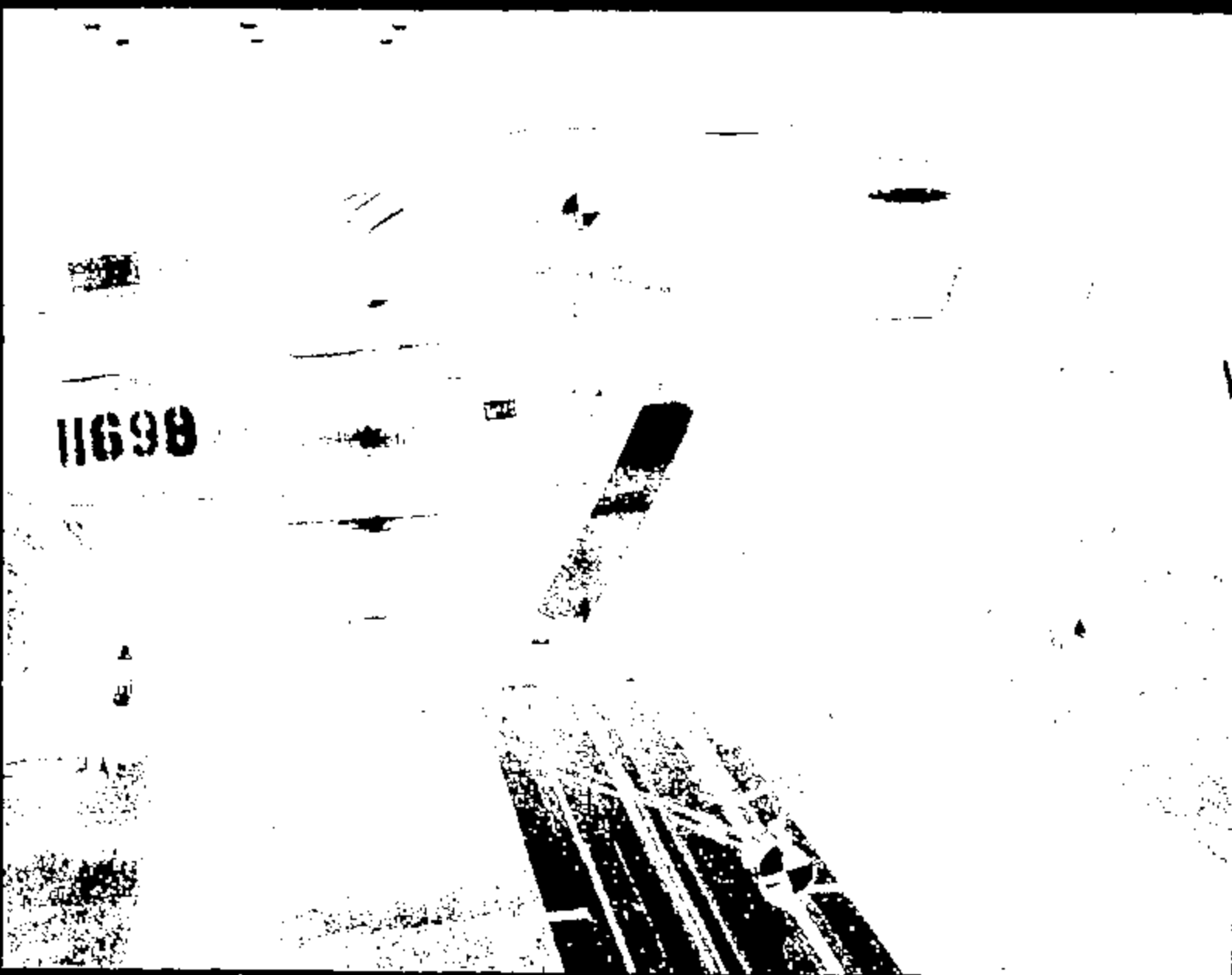


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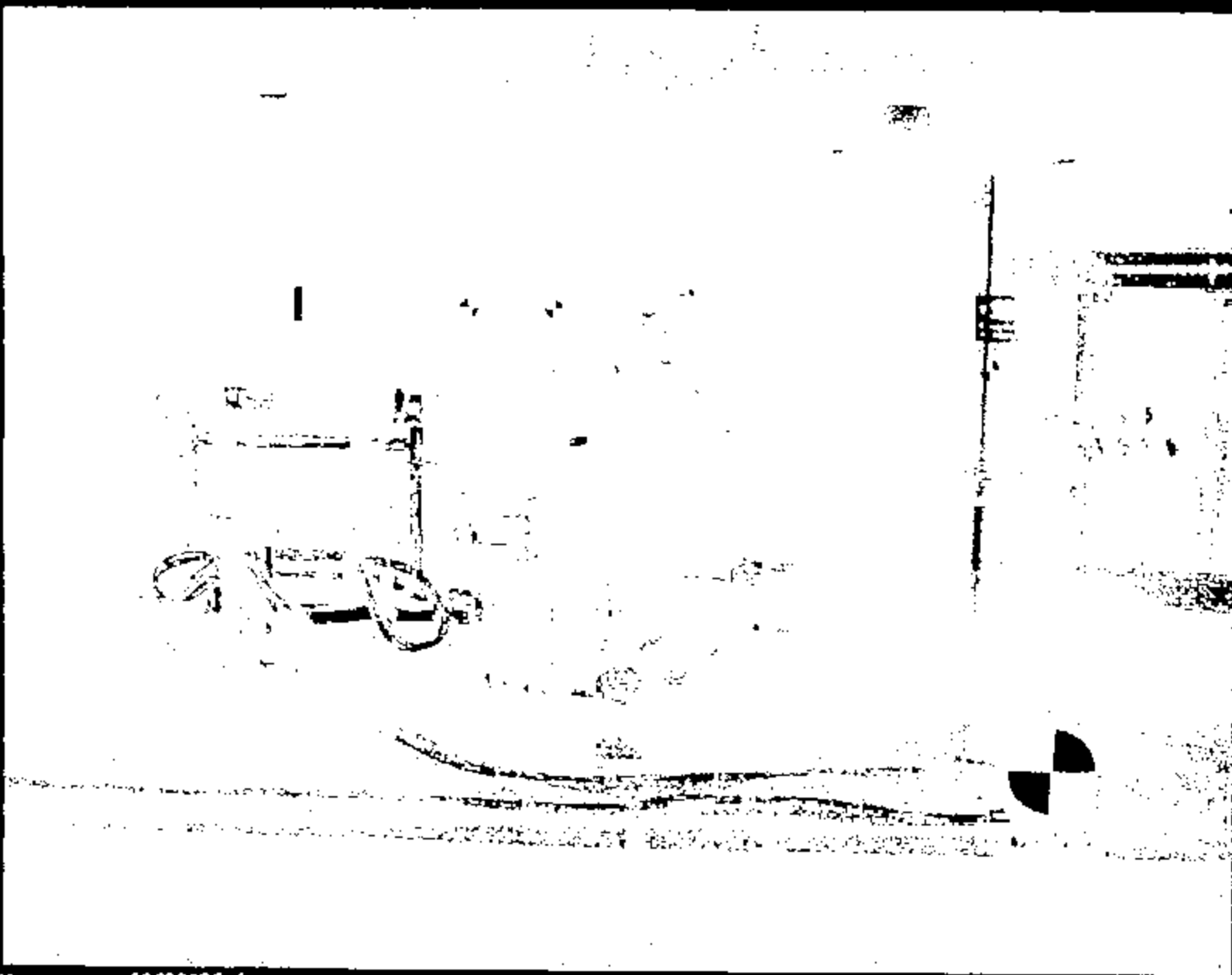
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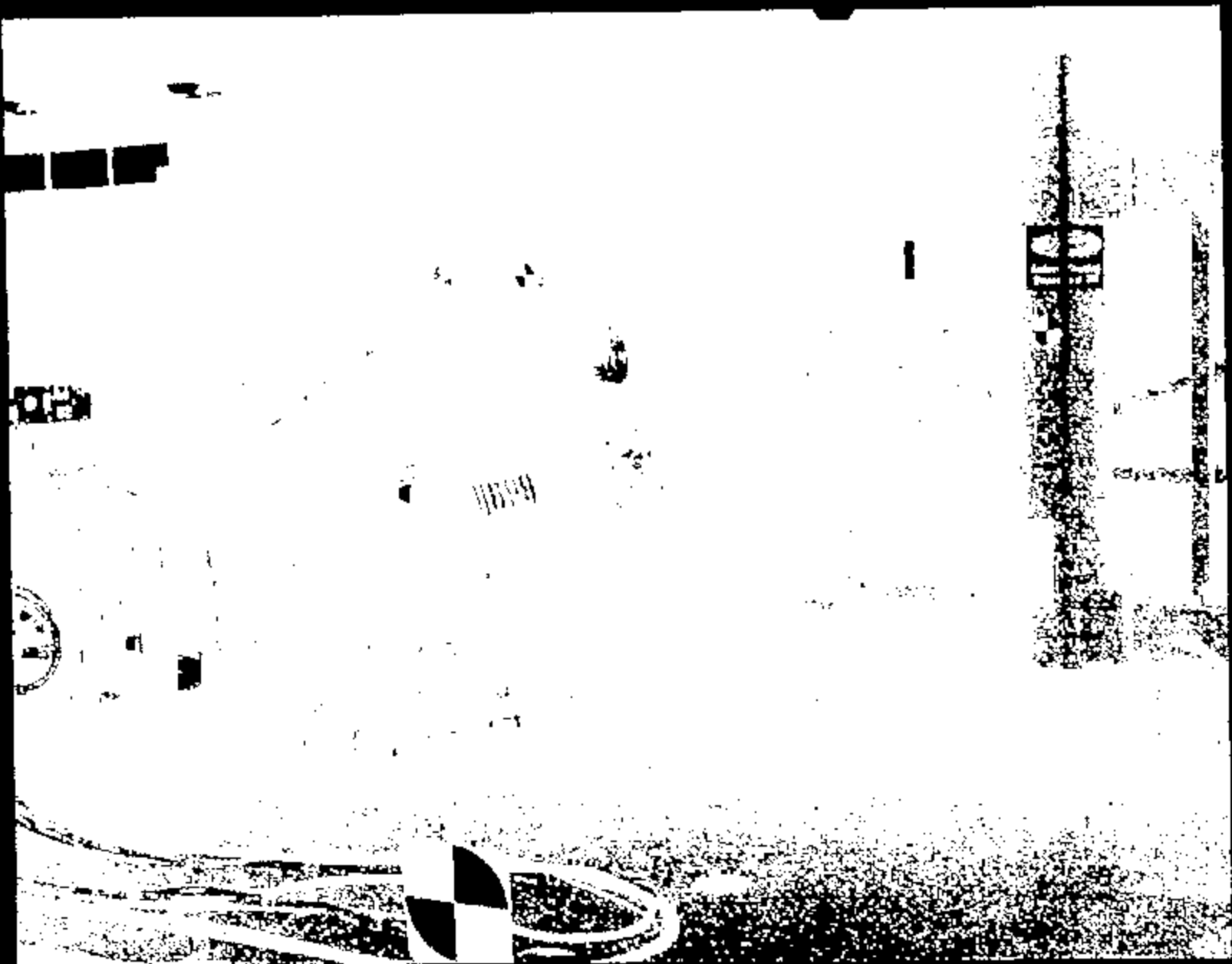


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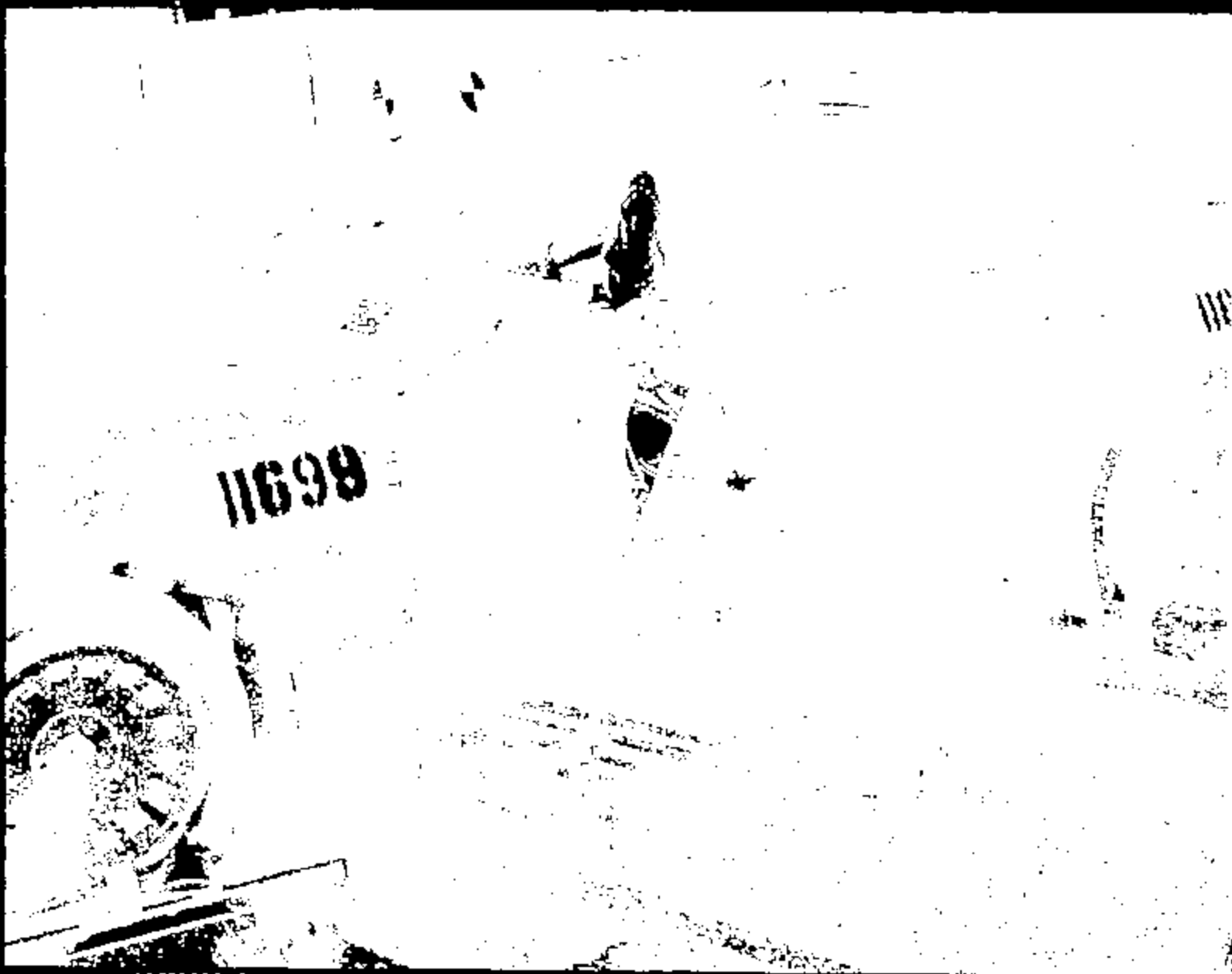
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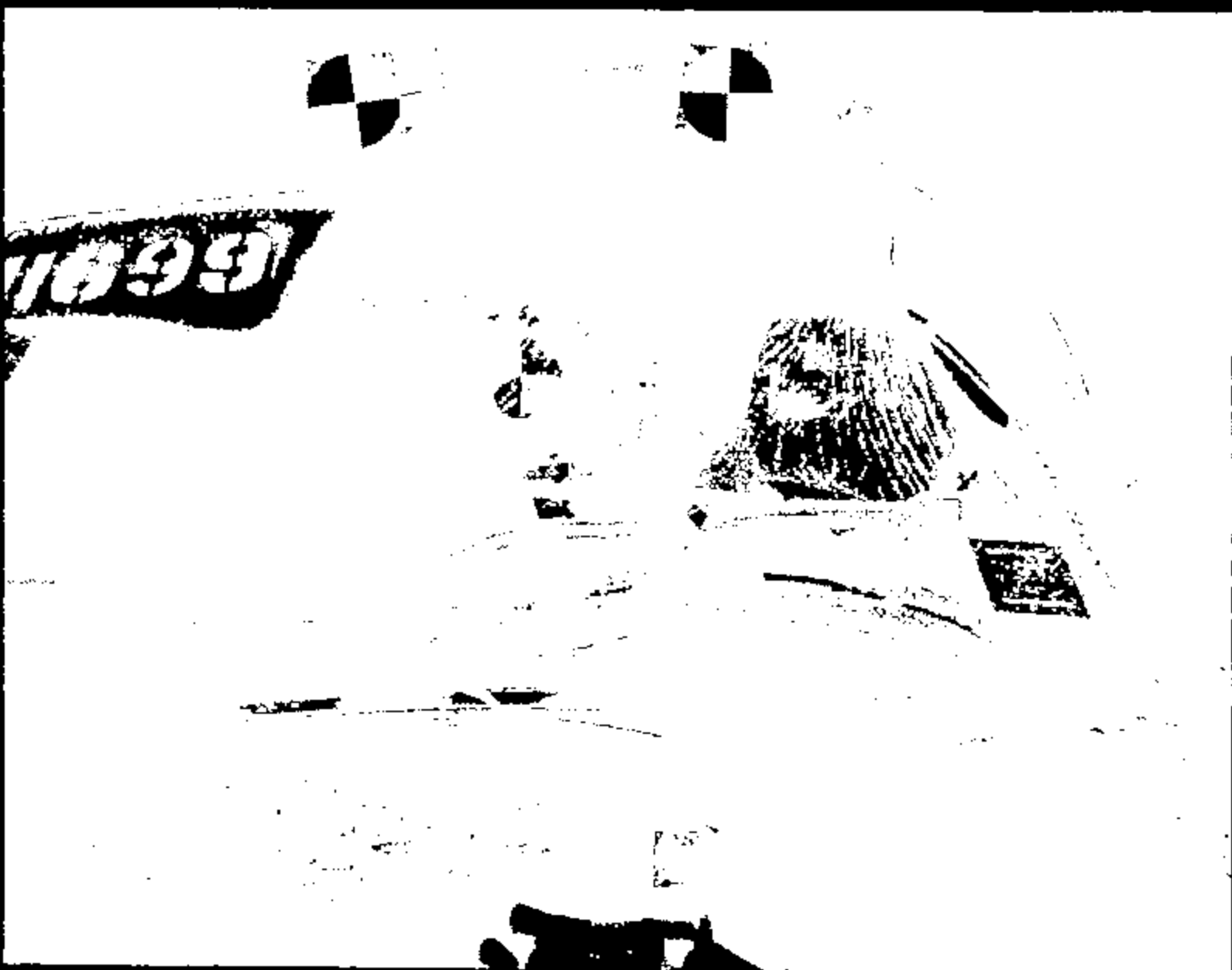


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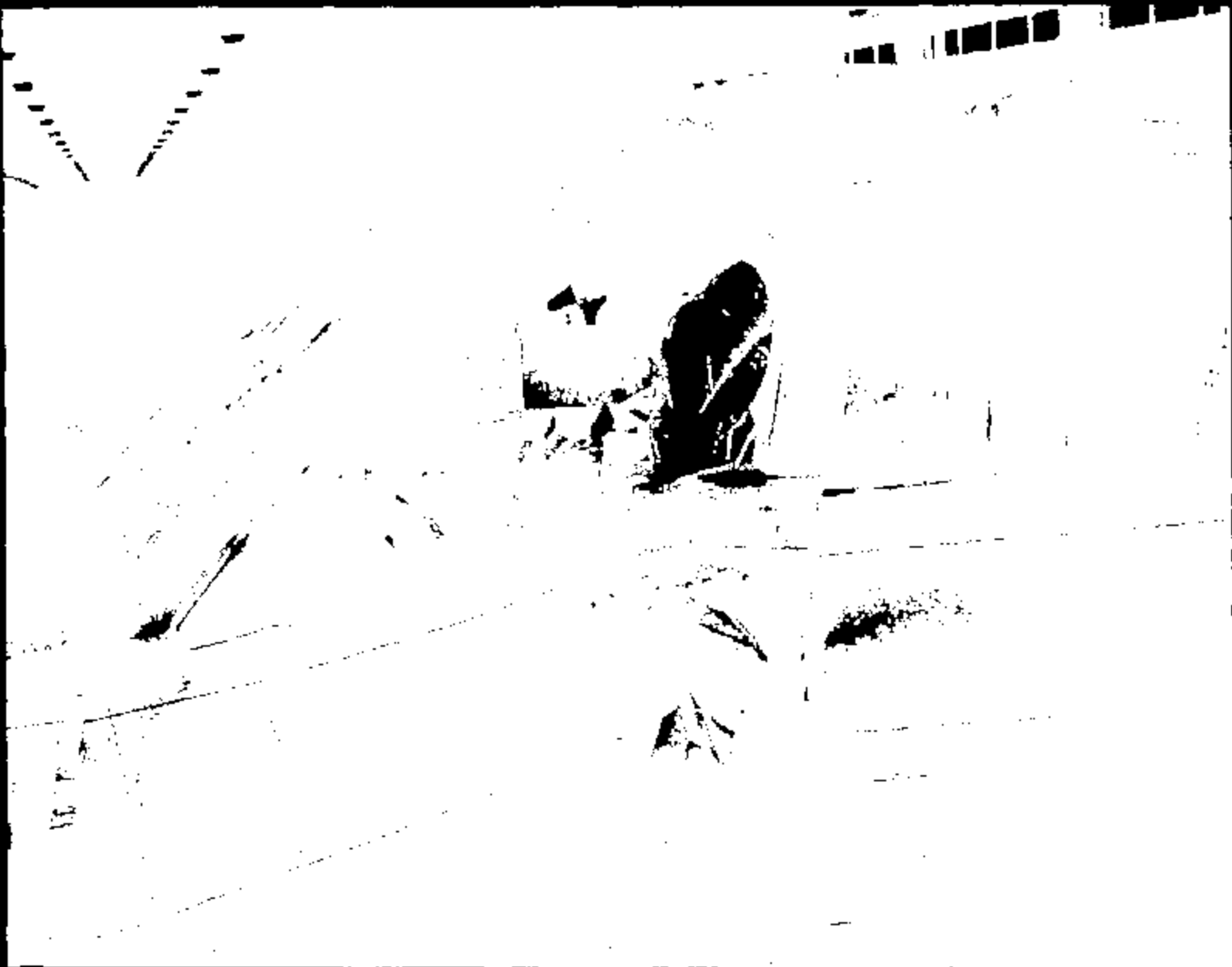


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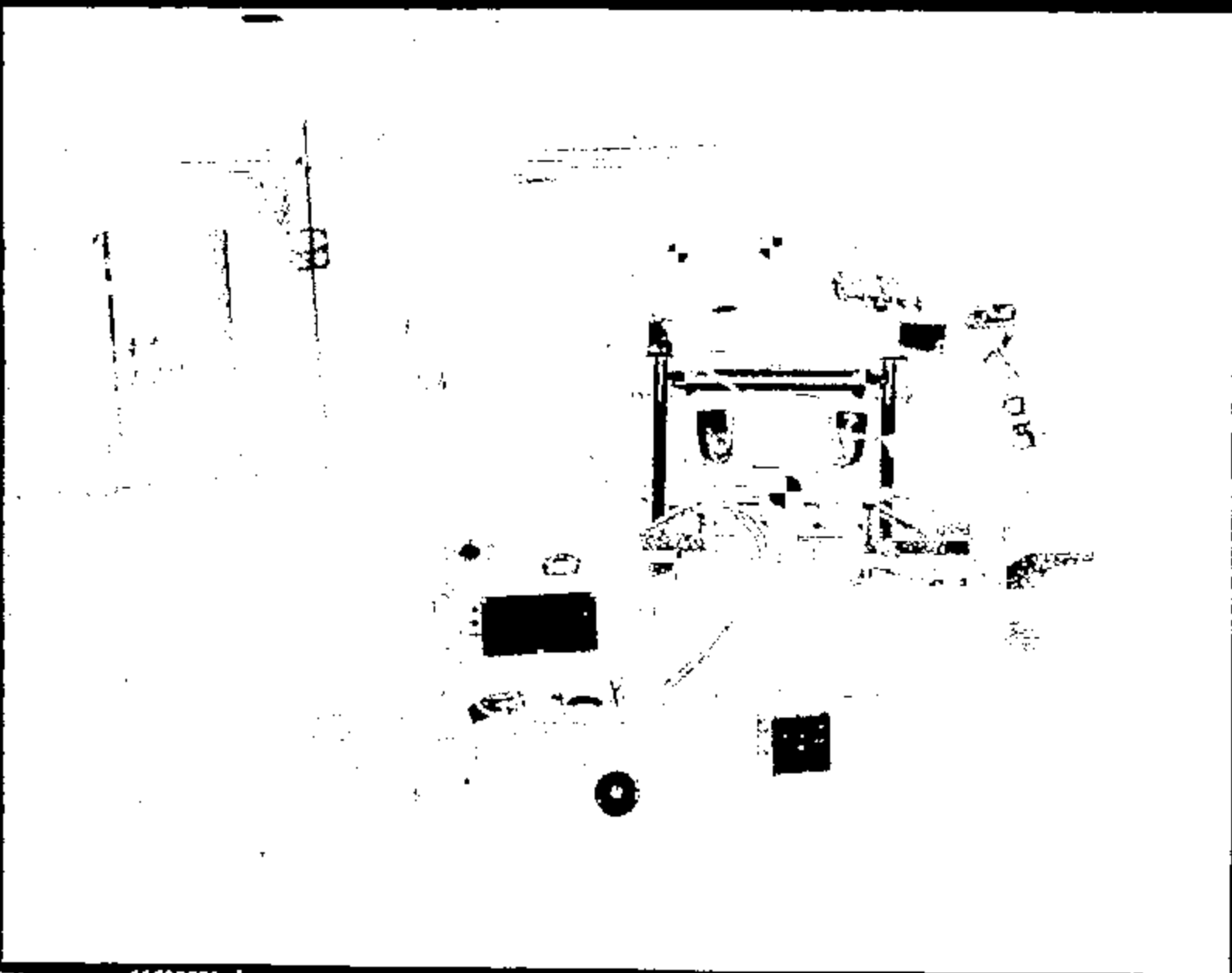


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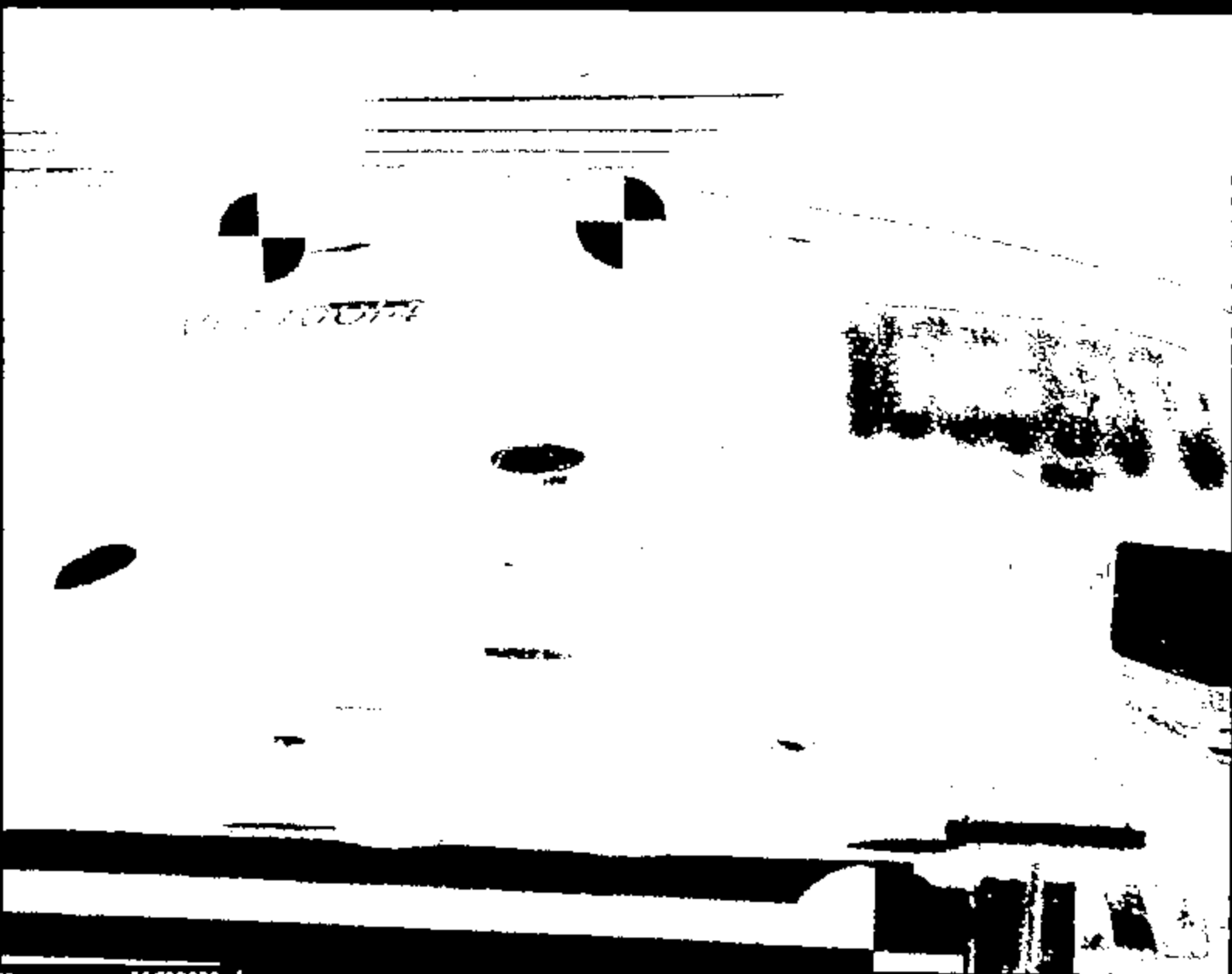
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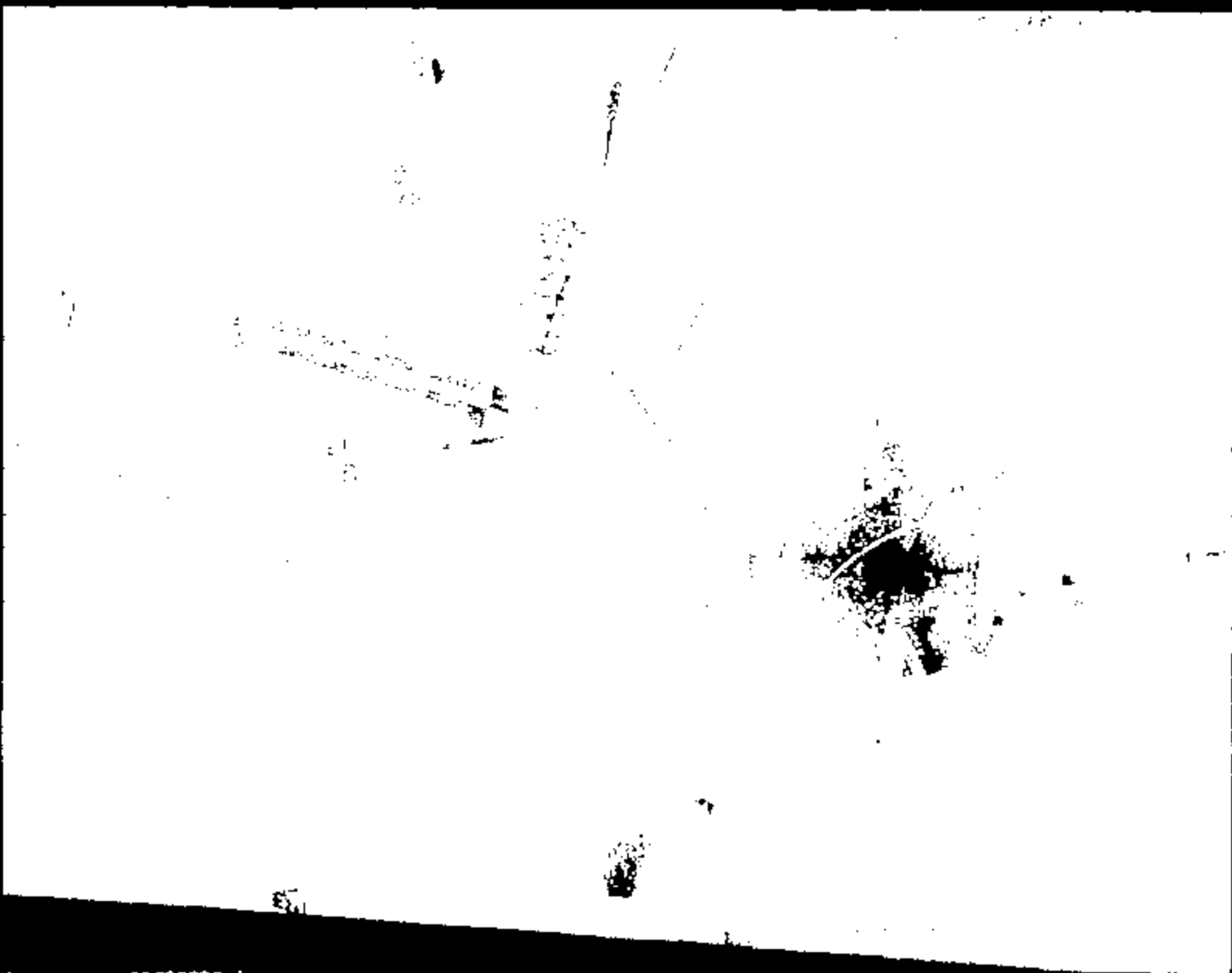
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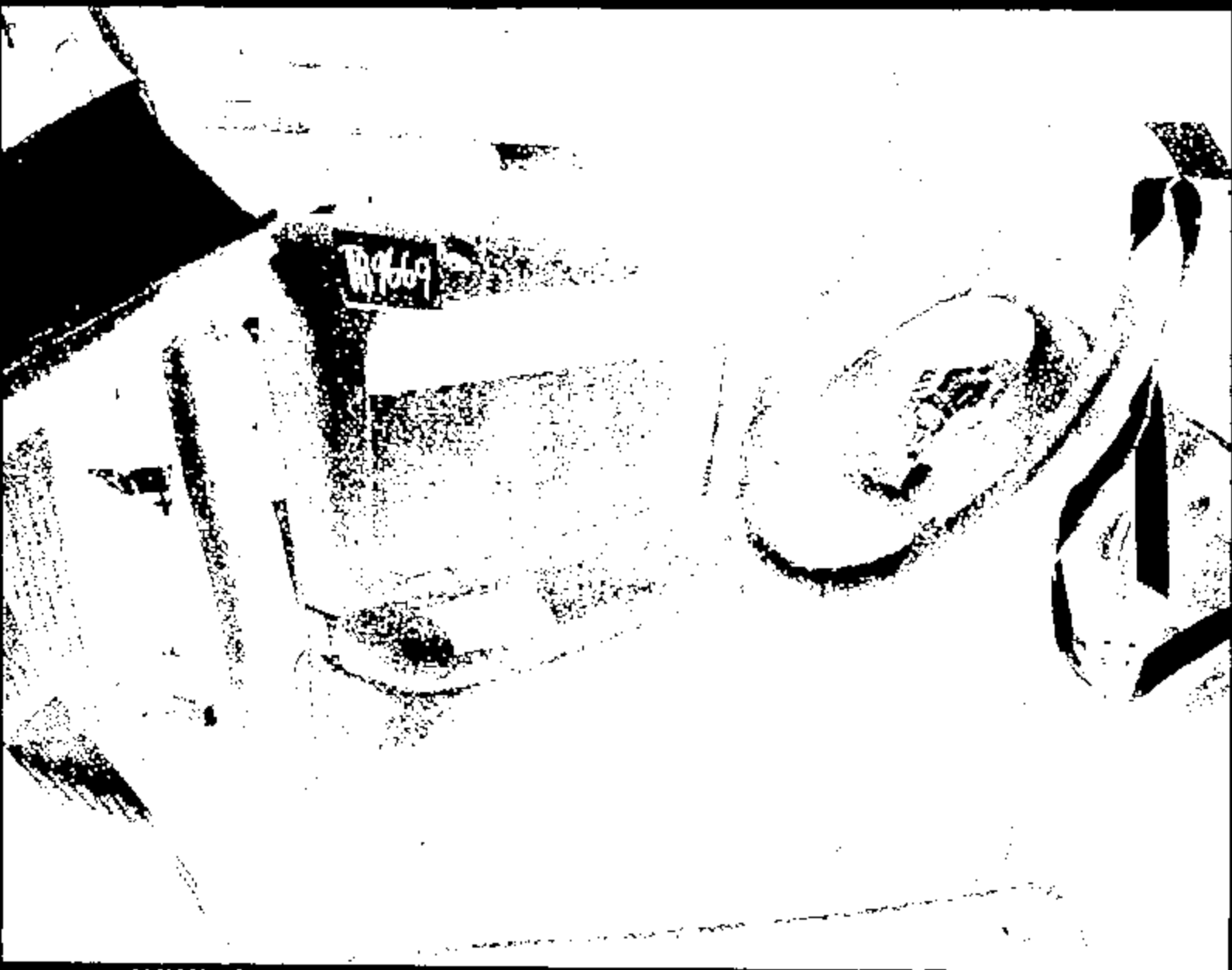
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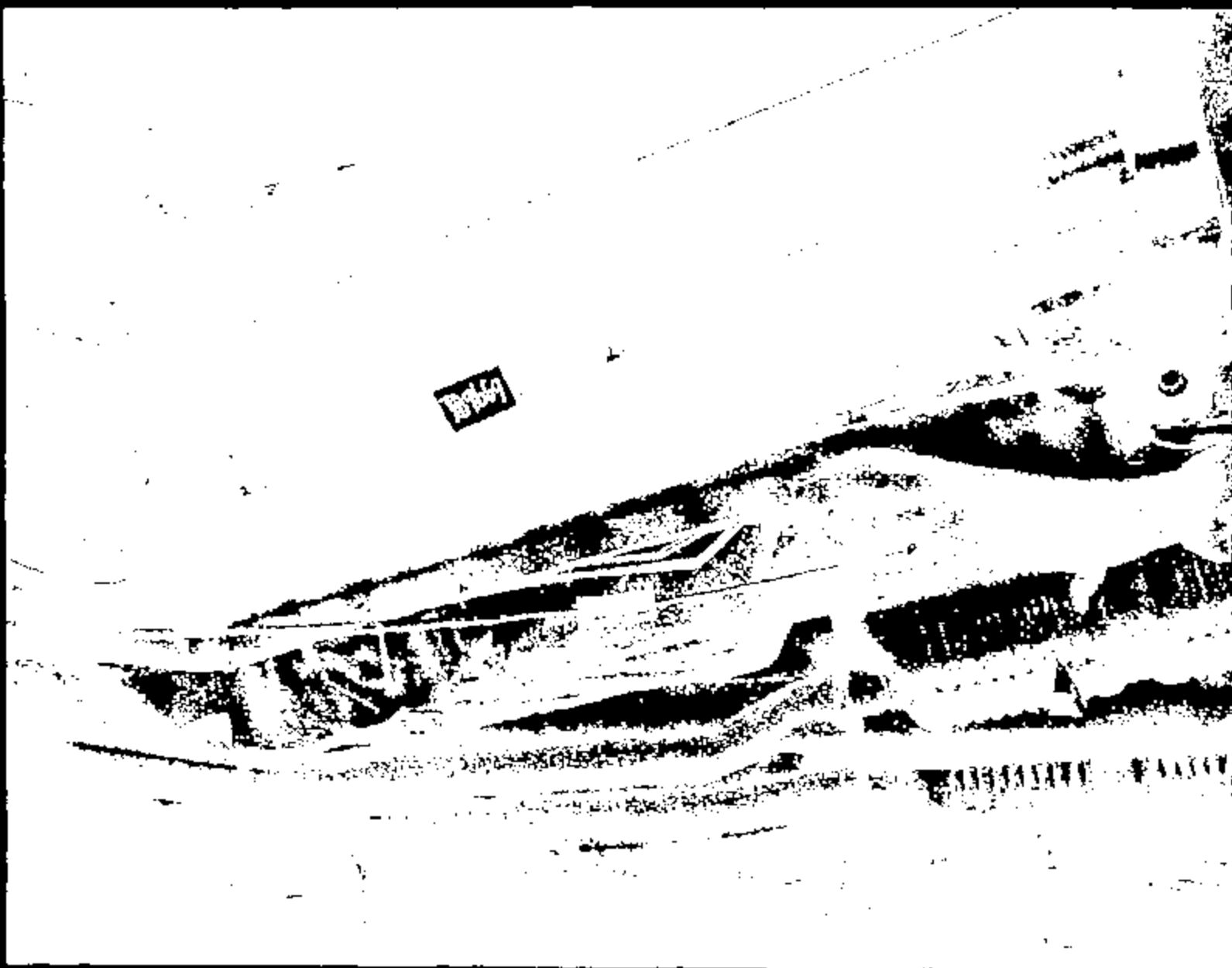


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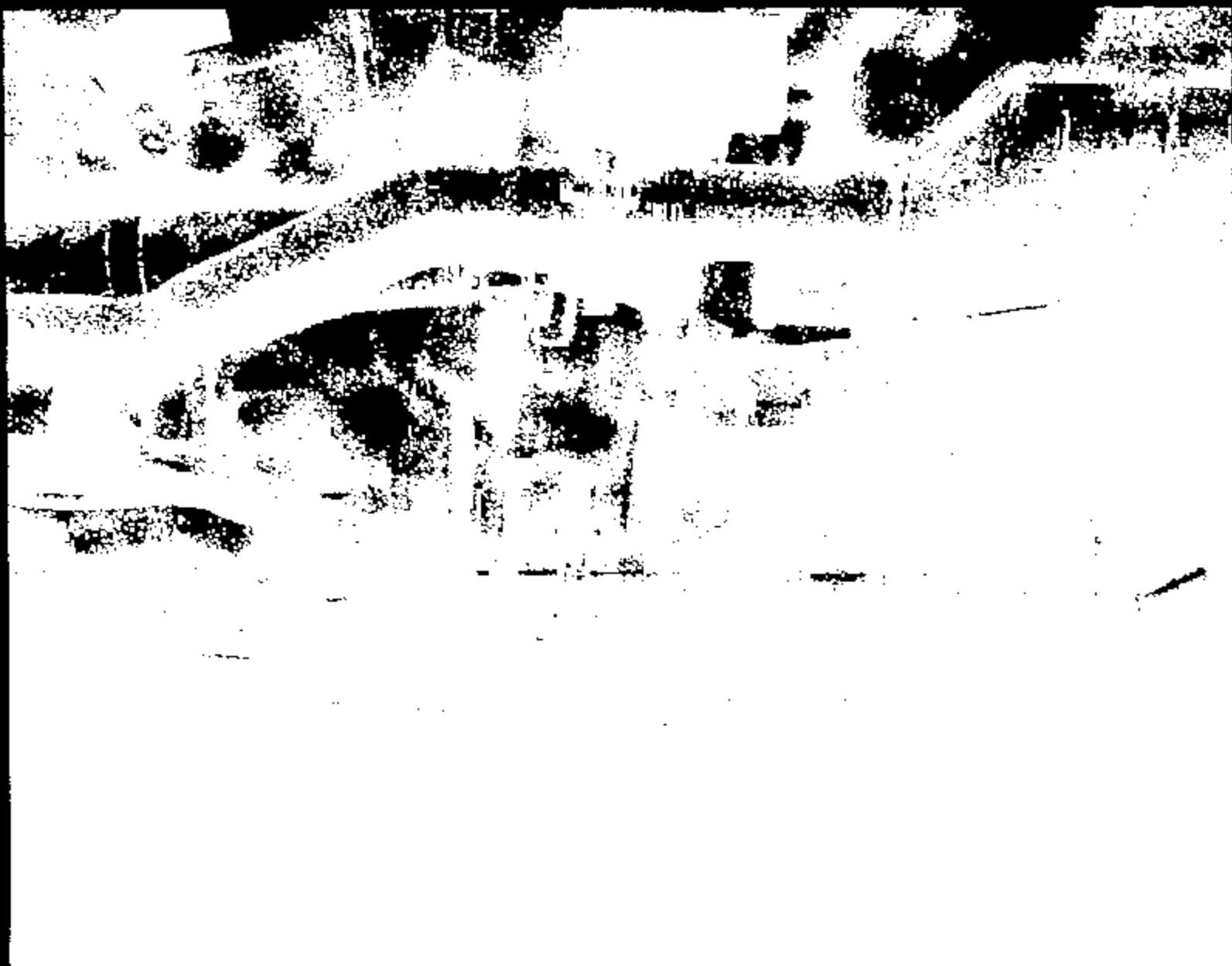


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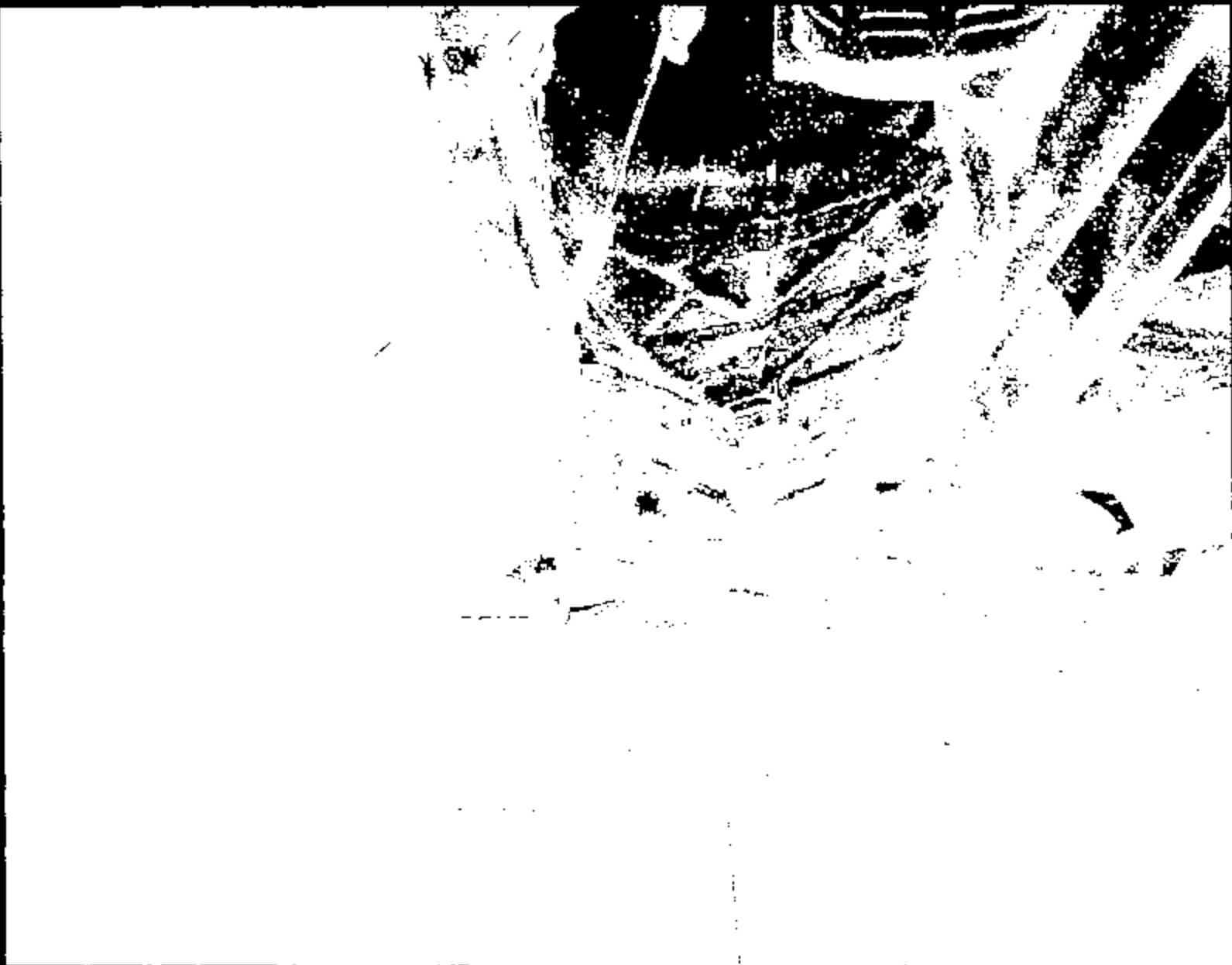


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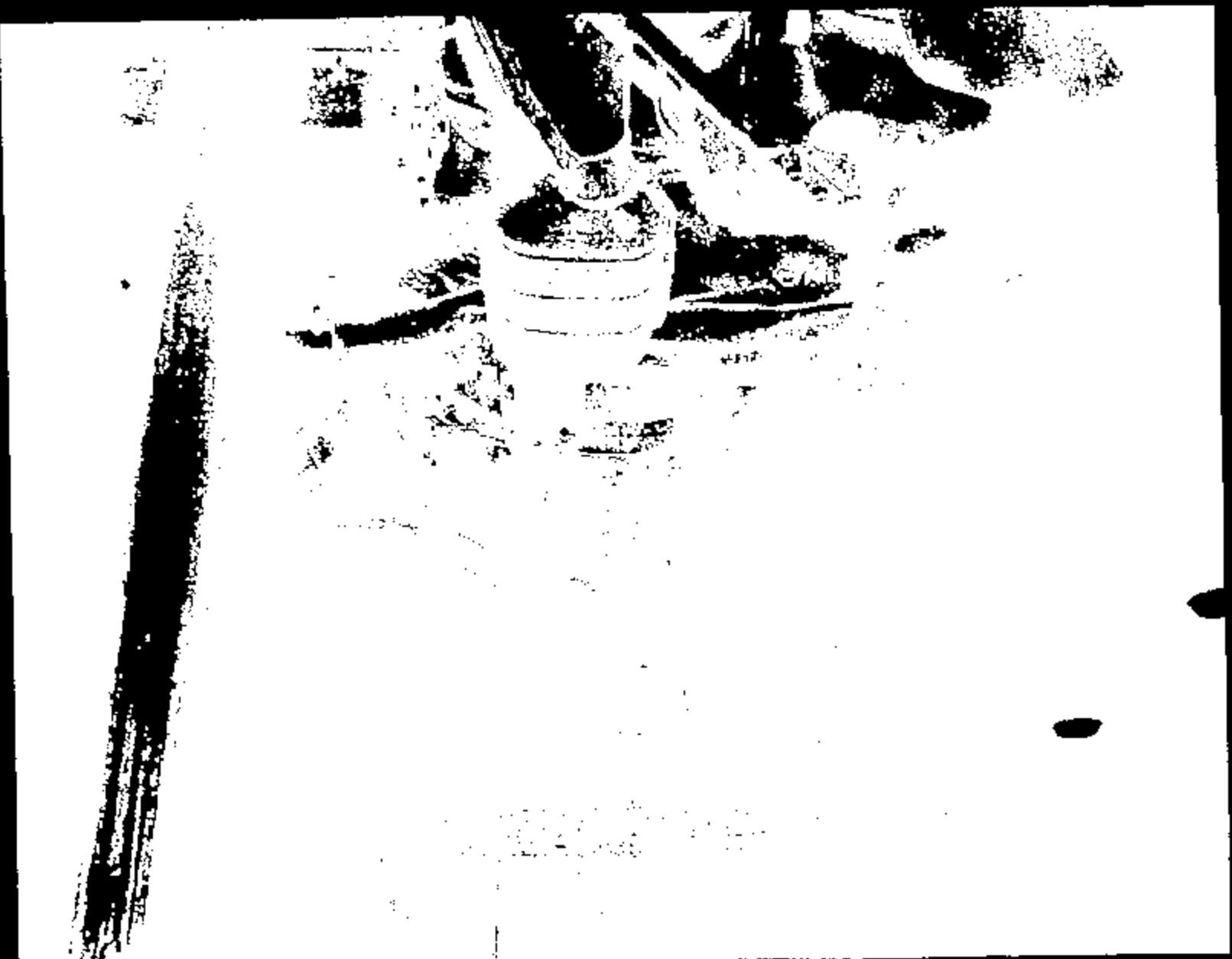
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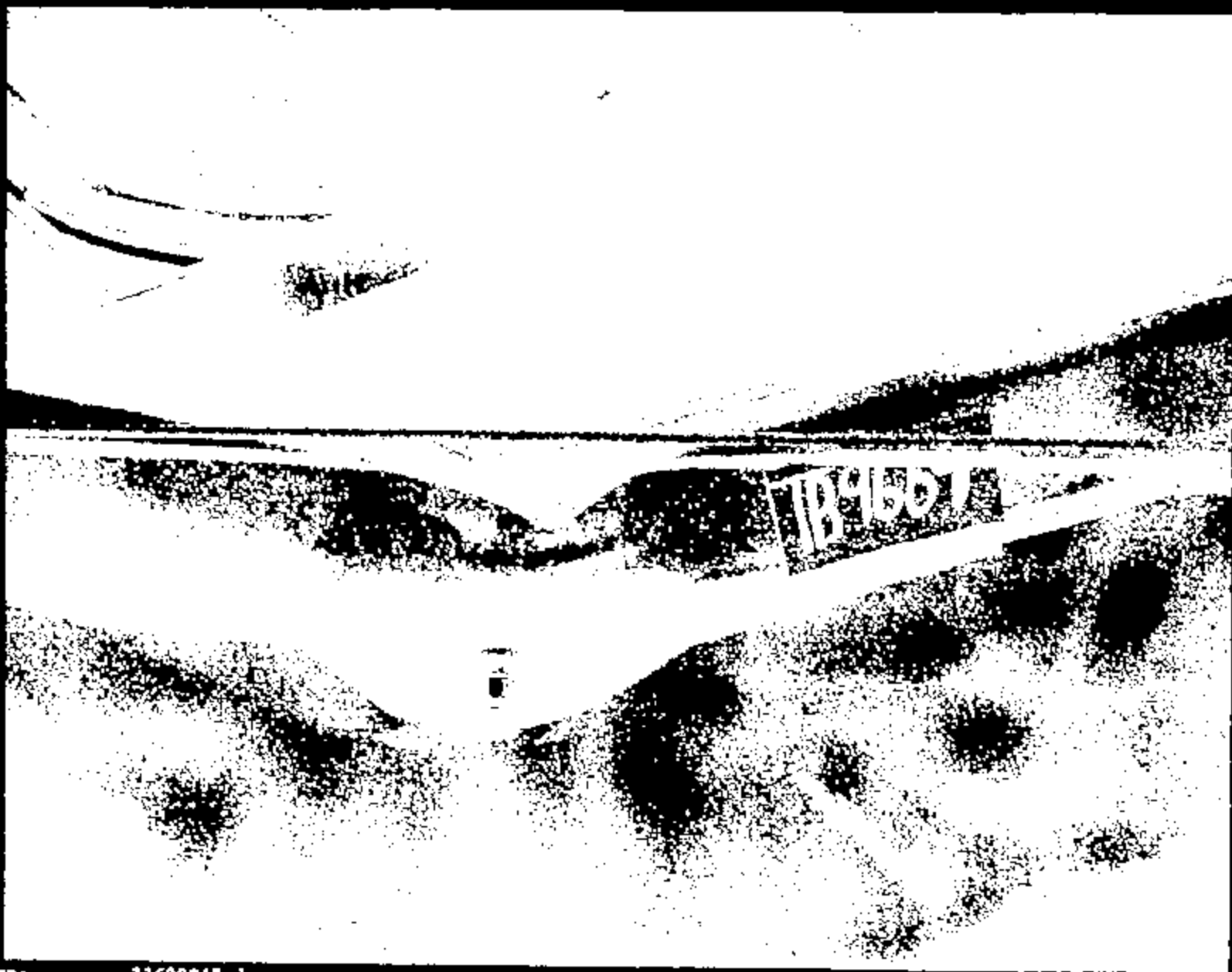


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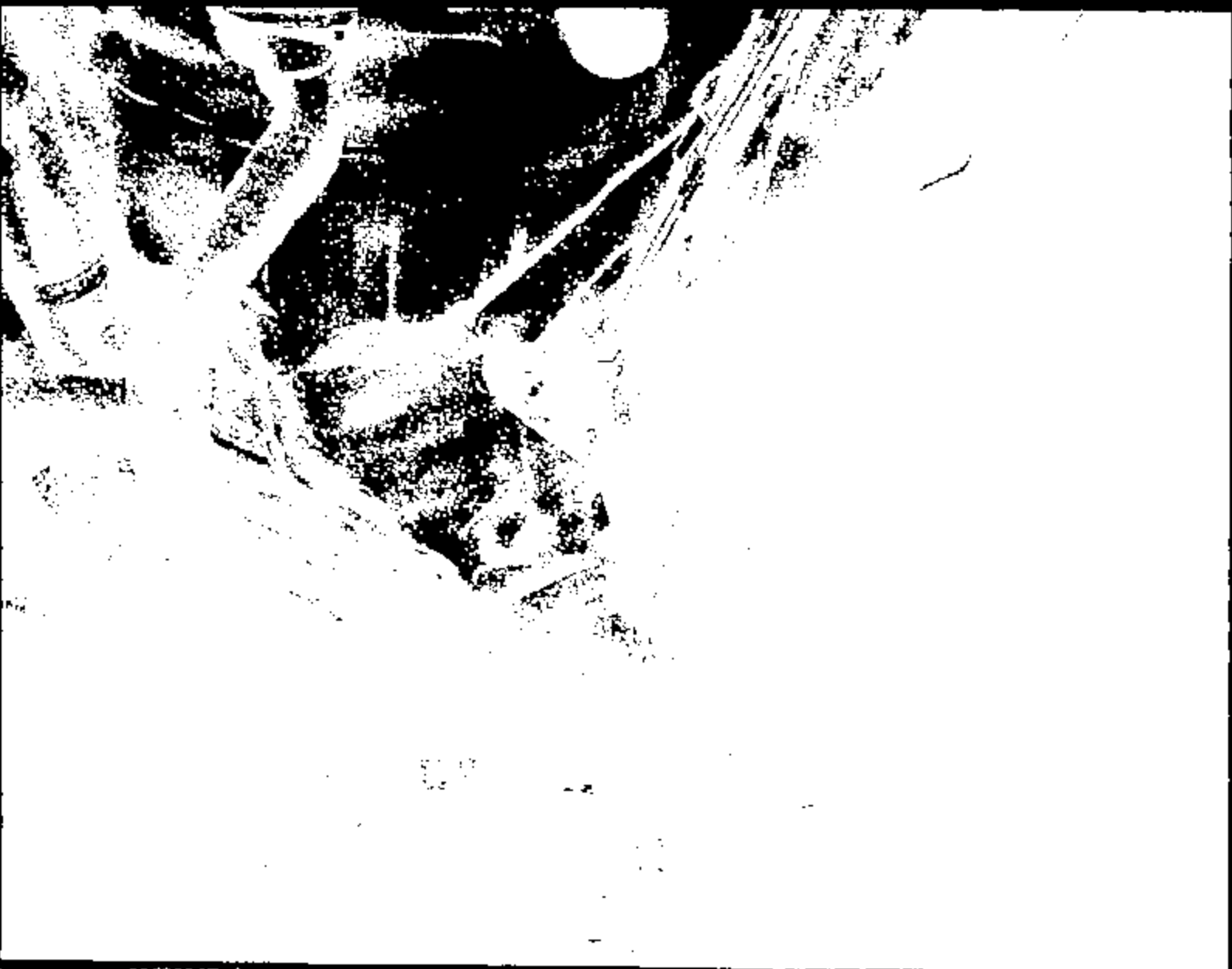


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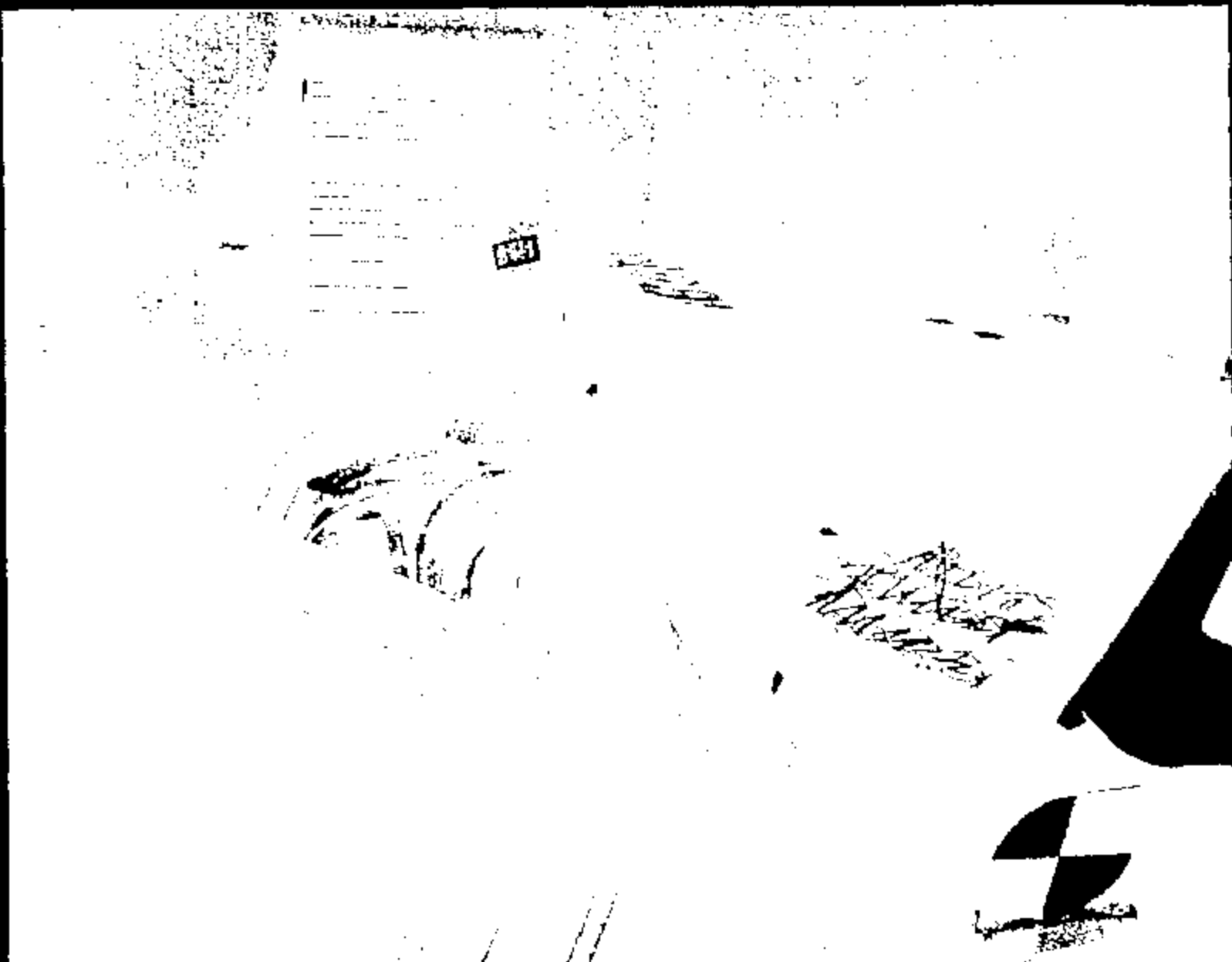
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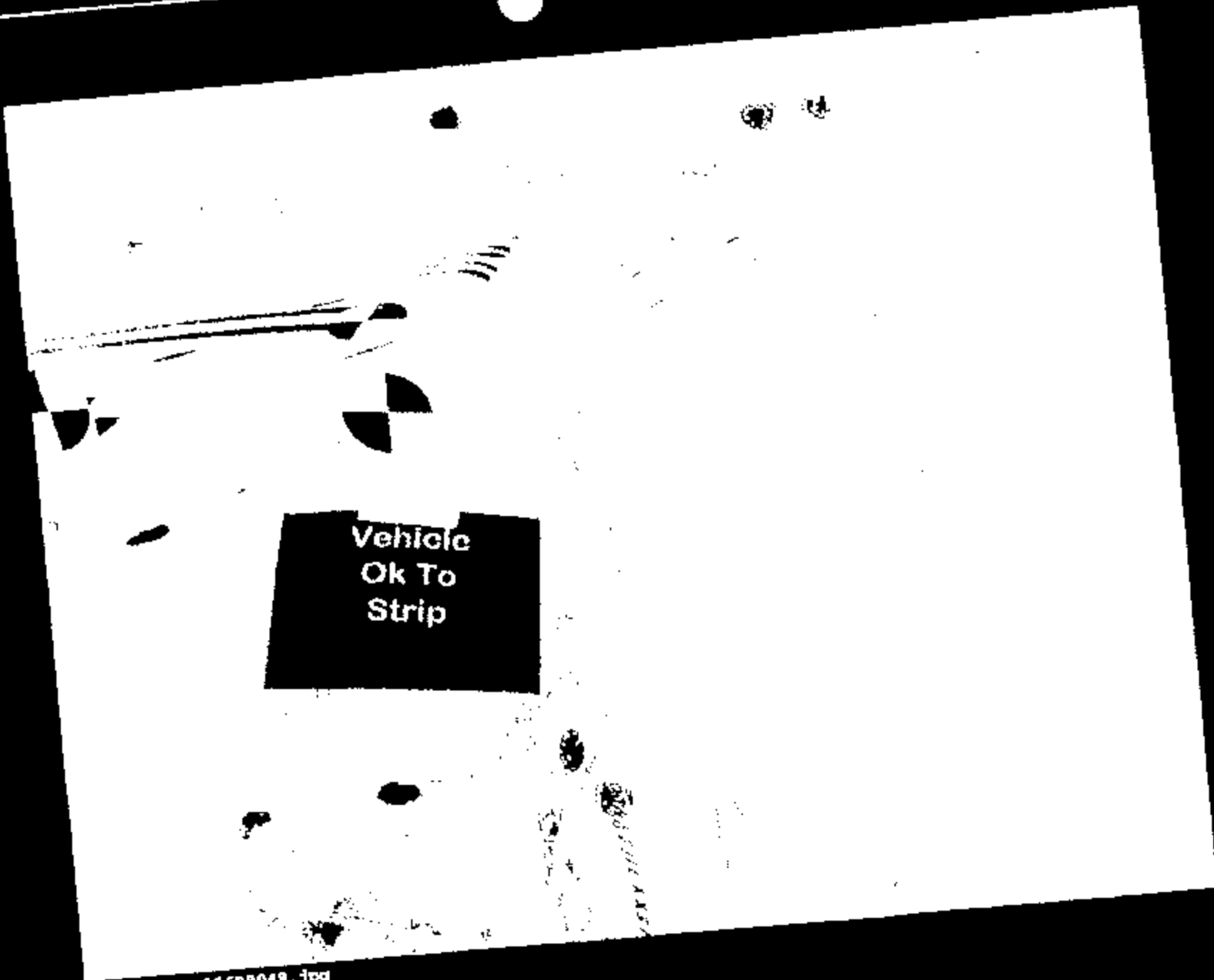


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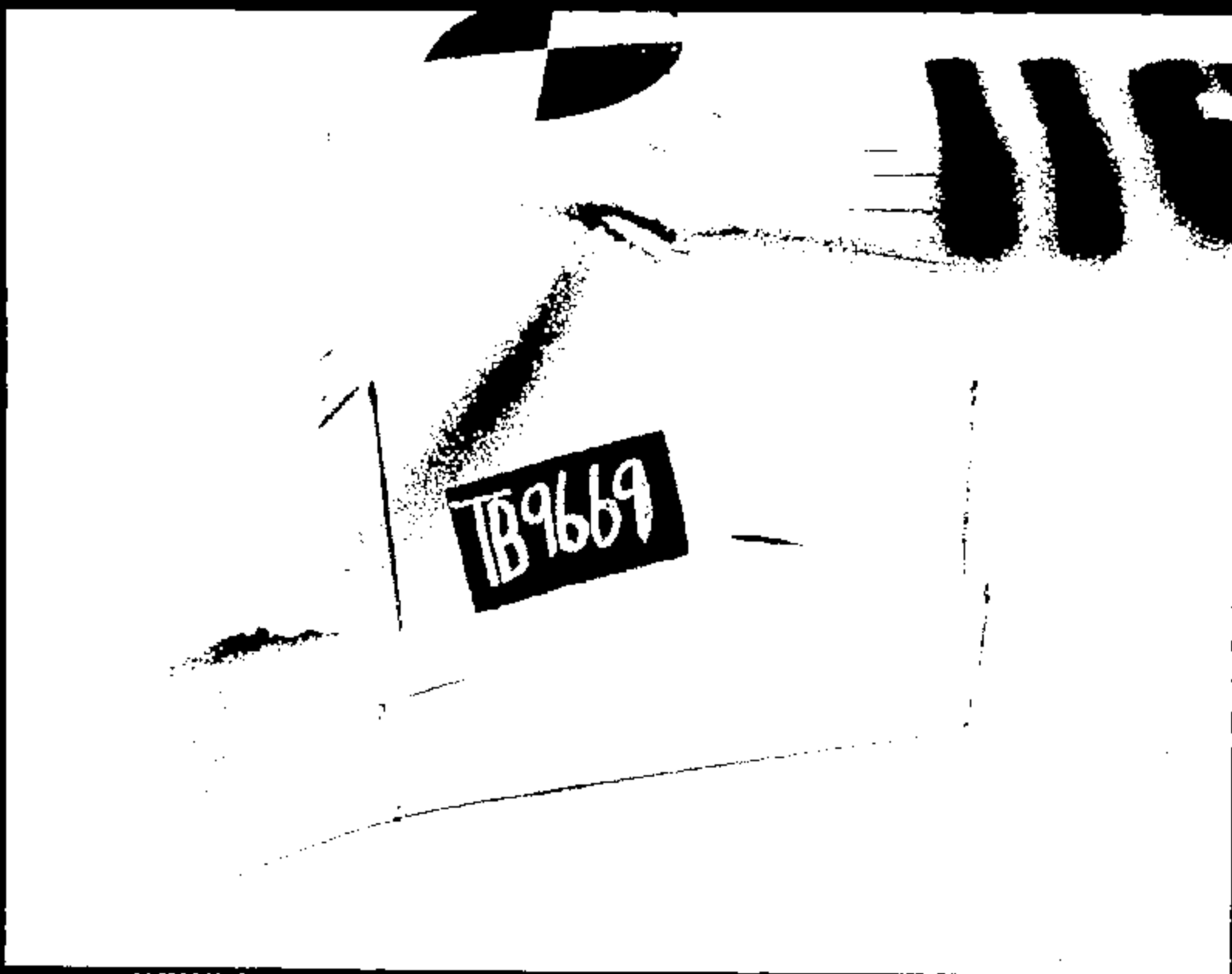
Vehicle
Ok To
Strip

Name:

11699049.jpg

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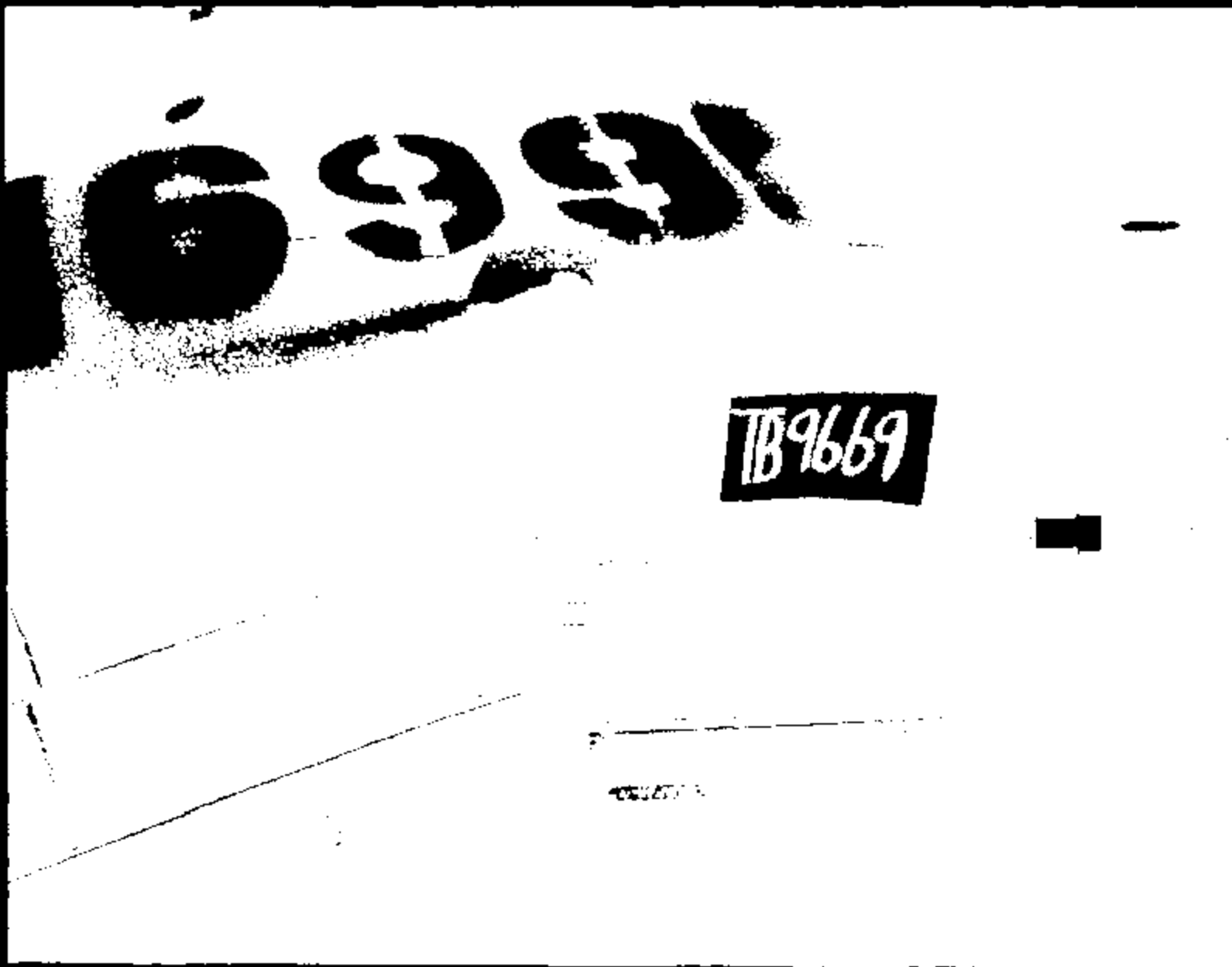


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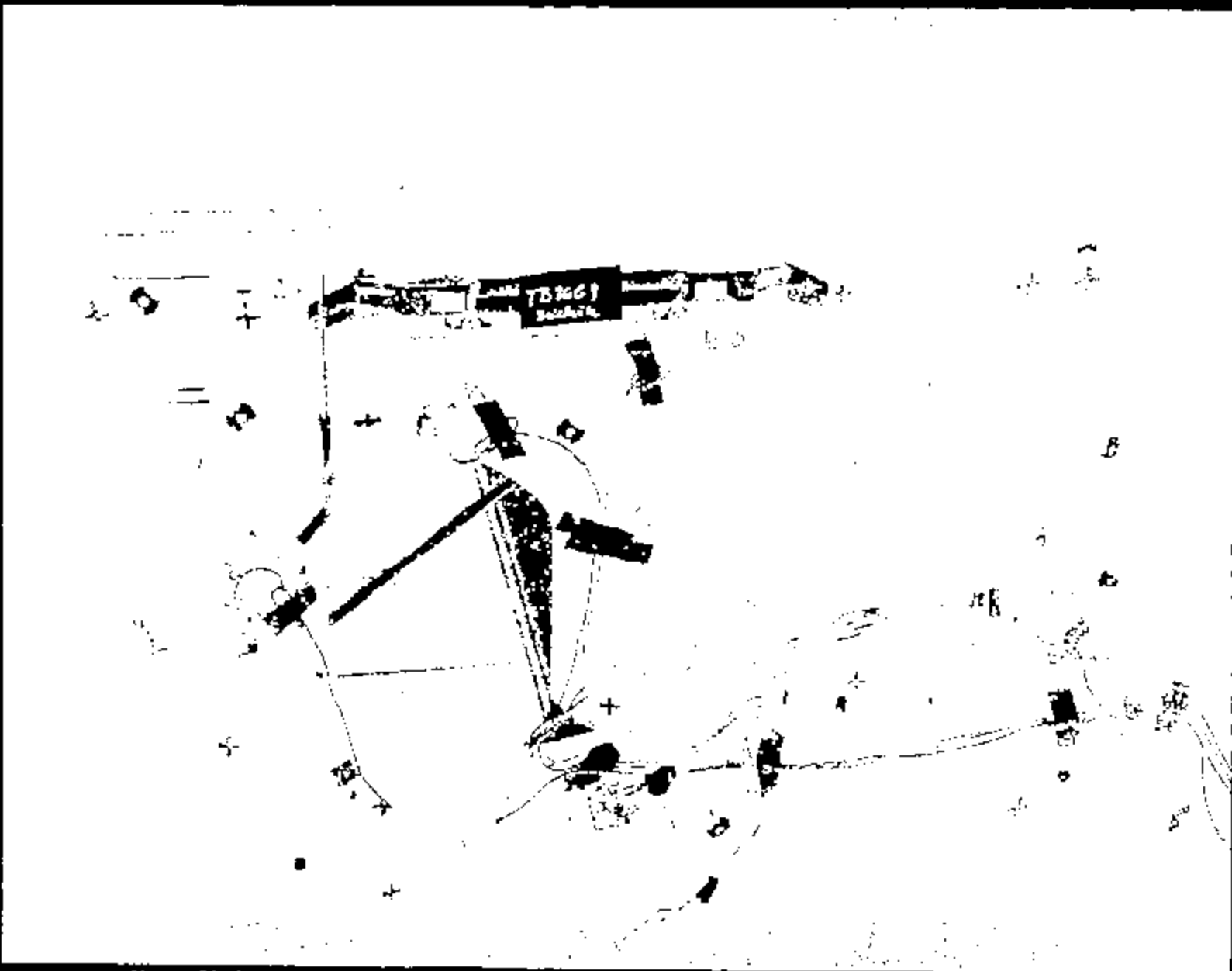


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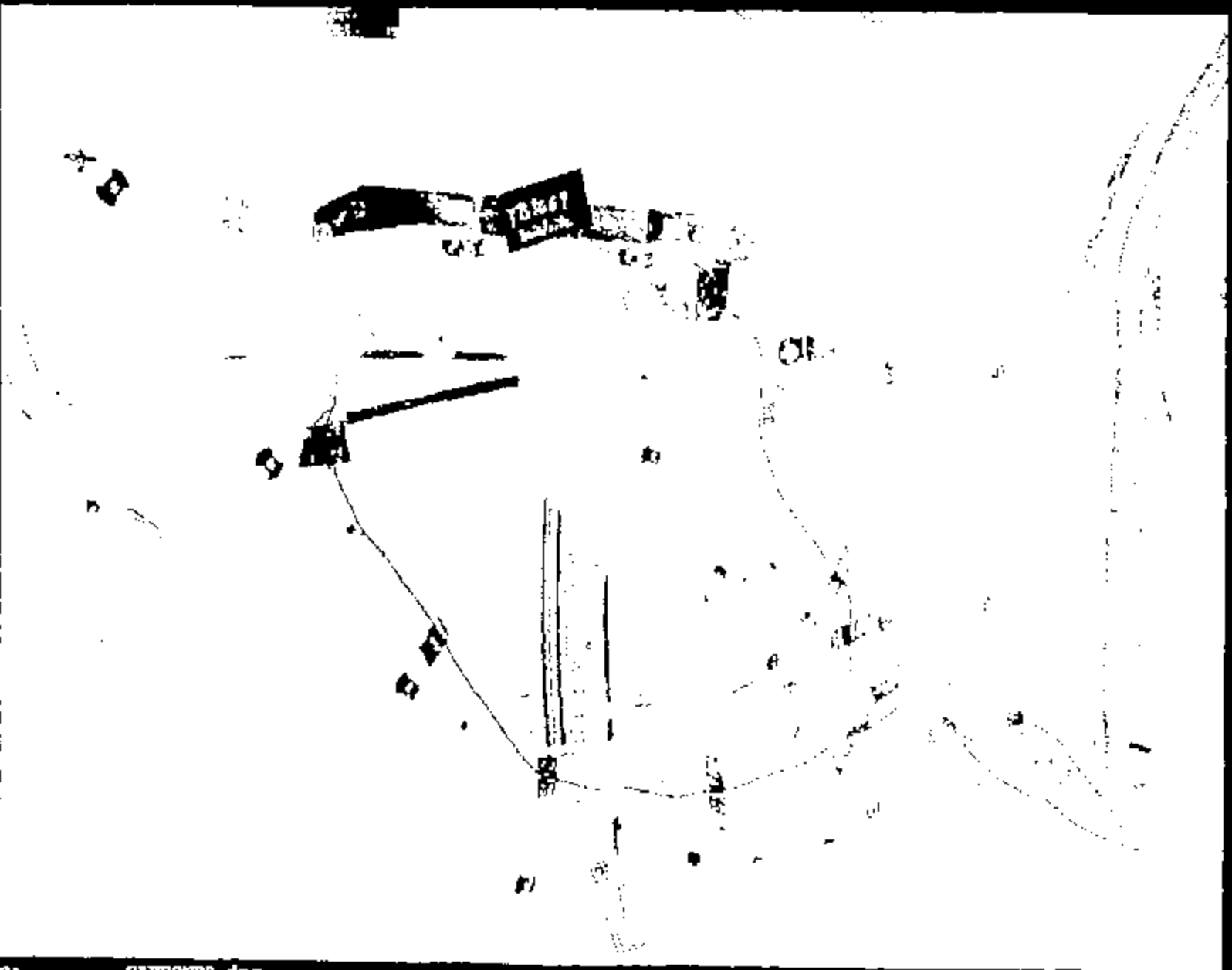


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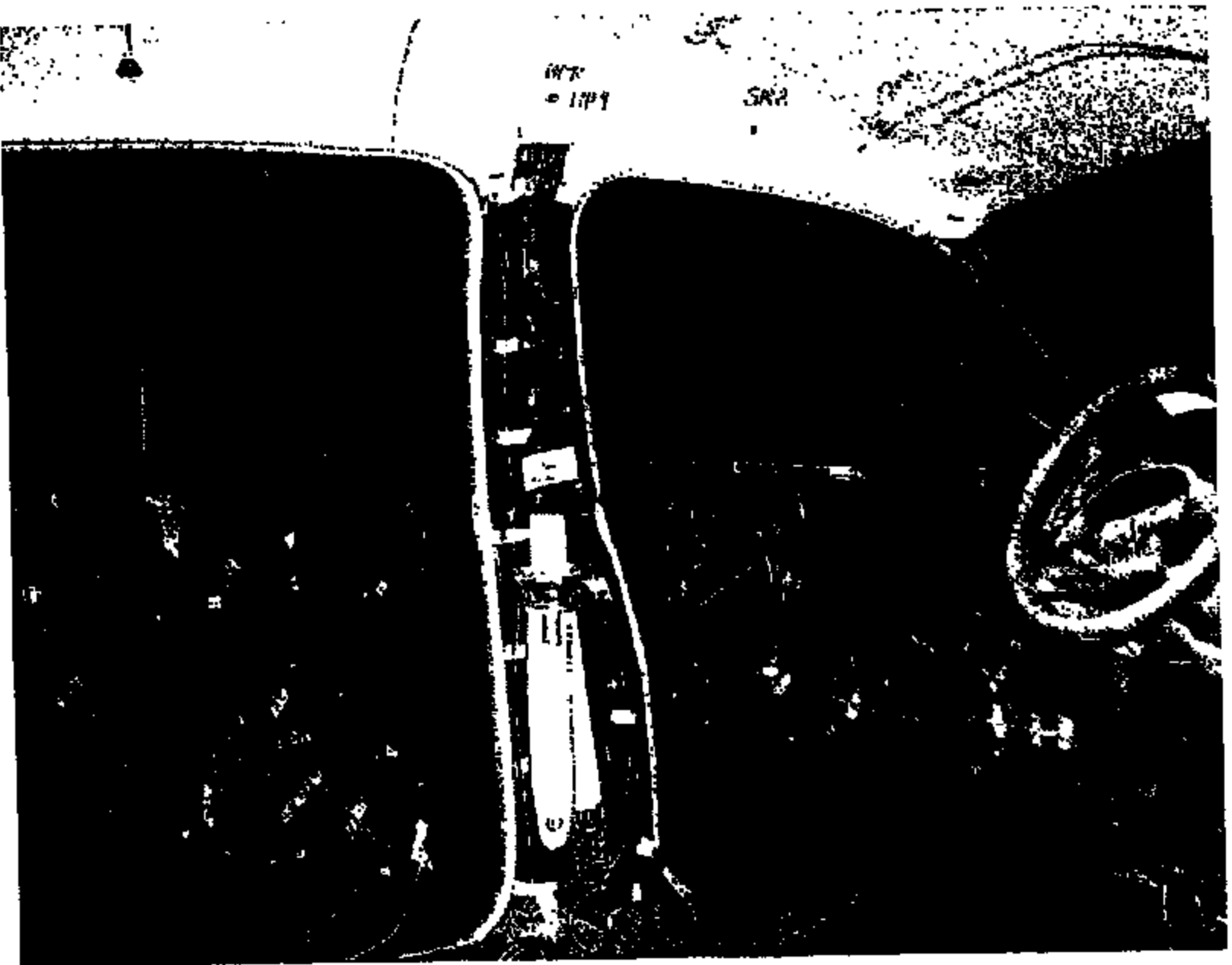
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ENTIRE PAGE CONFIDENTIAL



CAKRON02.jpg

Frame 3



Name:

CARRON03.jpg

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TEST AUTHORIZATION				TEST ORDER NUMBER: TB8888																																																			
				REQUEST DATE: 10/27/99	REQUESTED COMPLETION DATE: 11/15/99																																																		
				REQUEST NUMBER: N/A		PROBLEM NUMBER: N/A																																																	
				REQUESTING ACTIVITY: Vehicle Crash Safety																																																			
TITLE OF TEST: (speed) (test description) 2001 FN145 LWB 15mph LH Side Pole (350mm) Use rollers				PARTS DUE DATE:																																																			
TYPE OF TEST: ☒ VEHICLE ☐ BENCH ☐ LABORATORY ☐ OTHER		VIN # or IDENTIFICATION VC1B0014 - 311W880 1LNHM82W8KY711884		VEHICLE MODEL & YEAR: 2001 FN145 LWB		PROD. OR ENG. LETTER: N/A																																																	
ENGINE NO. DISPL., CARB: 4.8L 2V		TRANSMISSION: 4R70W		AXLE RATIO: N/A		TEST CONDUCTED TO CERTIFY CONTROL ITEM																																																	
TYPE OF FUEL: None		CONVERTER: N/A		IGNITION TIMING: N/A		COMPLIANCE WITH GOV. REGULATIONS: Yes																																																	
CRANKCASE OIL AND CAPACITY (L): N/A		TIRE SIZE AND FLY RATING: P225/60R18		REPORT CATEGORIES: ☒ ENGINEERING ☒ DATA ☒ RAWDATA		DISPOSITION OF PARTS: N/A																																																	
VEHICLE TEST WEIGHT (lbs): FRONT 2380 BEAR 2285 TOTAL 4665		TIRE PRESSURE (psi): FRONT 32 BEAR 32		PROCUREMENT REQ ? ☐ YES ☒ NO IF YES, GIVE CODE		MAIL REPORT TO: Bldg: Bldg #2 Mail Drop: MD1286 Address: 23924																																																	
1. OBJECT OF TEST (speed) (year) (vehicle) (level) 1) Conduct: 15 mph 2001 FN145 LWB CP LH Side Pole (350mm) Use rollers 2) Velocity At Impact: 15mph Remote Fire Time: 18ms Positioning procedure: ST-15 3) Vehicle Year: 2001 Vehicle Line: FN145 LWB Vehicle Level: CP																																																							
Contacts: (name) (phone) (pager) Mary Wroten 33-71738 MWRO Emory Malar 84-57542 EMEI Jennifer Wozniak 24-84541 JWQZ				Estimated test cost = \$30,000.00																																																			
REQUESTING SECT. NO: T-881	WORK ORDER/ WORK TASK: J18	ISSUED/ REQUESTED BY: Mary Wroten	PHONE: 33-71738	APPROVAL: Kirk Arthur 36-05158	TEST TYPE: N/A	RISK: N/A	SIGN OFF DATE: N/A																																																
REQUESTER: DO NOT WRITE BELOW THIS LINE																																																							
WORK STANDARDS NUMBER:		TEST DESCRIPTION:																																																					
<table border="1"> <thead> <tr> <th colspan="5">MANDATORY</th> <th colspan="3">OPTIONAL</th> </tr> <tr> <th>TEST ORDER NO.</th> <th>CATEGORY</th> <th>RESP. SECTION:</th> <th>EST. COMP. DATE:</th> <th>PEO</th> <th>TEST ENG. INITIALS:</th> <th>UNIT CODE:</th> <th>TEST ORDER DATE:</th> <th>USER CODE:</th> <th>PROD. CODE:</th> </tr> </thead> <tbody> <tr> <td>PERFORMING SECTION</td> <td>HOURS</td> <td>MATERIAL COST</td> <td>COMP. COST</td> <td>PARTS DUE</td> <td>EST. START DATE</td> <td>EST. COMP DATE</td> <td>STATUS</td> <td>PERCENT COMPLETE</td> <td></td> </tr> <tr> <td></td> <td></td> <td>\$</td> <td>\$</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TOTAL</td> <td></td> <td>\$</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								MANDATORY					OPTIONAL			TEST ORDER NO.	CATEGORY	RESP. SECTION:	EST. COMP. DATE:	PEO	TEST ENG. INITIALS:	UNIT CODE:	TEST ORDER DATE:	USER CODE:	PROD. CODE:	PERFORMING SECTION	HOURS	MATERIAL COST	COMP. COST	PARTS DUE	EST. START DATE	EST. COMP DATE	STATUS	PERCENT COMPLETE				\$	\$							TOTAL		\$							
MANDATORY					OPTIONAL																																																		
TEST ORDER NO.	CATEGORY	RESP. SECTION:	EST. COMP. DATE:	PEO	TEST ENG. INITIALS:	UNIT CODE:	TEST ORDER DATE:	USER CODE:	PROD. CODE:																																														
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		\$	\$																																																				
TOTAL		\$																																																					

General Request Information

ENTIRE PAGE CONFIDENTIAL

Test Mode

15mph LH Side Pole (350mm) Use rollers

Test Objectives: Cert (C) Verif (V) Dev (D) Audit (A) Safety Guideline (SG)

Regulatory

- ☐ FMVSS 204 - Steering Wheel Displacement
- ☐ FMVSS 208 - Frontal Occupant Protection
- ☐ FMVSS 212 - Wind Shield Retention
- ☐ FMVSS 214 - Side Impact Protection
- ☐ FMVSS 219 - Windshield Zone Intrusion
- ☐ Film Analysis
- ☐ Template
- ☐ FMVSS 301 - Fuel System Integrity
- ☐ Rollover
- ☐ Pressure Check
- ☐ FMVSS 303 - NGV Fuel System Integrity
- ☐ Rollover
- ☐ Pressure Check
- ☐ 74/297/EEC (ECE 12) - Protection of the Driver Against Steering Mechanism
- ☐ ECE 32 - Rear Impact Testing (Occupant Survival Space)
- ☐ ECE 33 - Frontal Impact (Occupant Survival Space)
- ☐ ECE 34 - Prevention of Fire Risks
- ☐ 98/74/EC - Frontal Offset
- ☐ ECE / M / 135 STEP II - 800mm Barrier Side Impact

Ford Automotive Operations Safety Design Guidelines

- ☐ Front FAO Safety Design Guidelines (Includes Door Performance)
- ☐ Offset Frontal FAO Safety Design Guidelines
- ☐ Interior Side Impact Protection FAO Safety Design Guidelines
- ☐ Rear Impact (Includes Door Performance)
- ☐ Fuel System Performance FAO Safety Design Guidelines

Other

- ☐ D Sensor Development
- ☐ Other, Specify: _____

Primary Test Vehicle Information

Use (Target/Bullet):	Bullet
Model Year:	2001
Vehicle Program:	FN145 LWB
Vehicle Name:	Town Car
Body Style:	sedan
Build Number:	VC190014
Tag Number:	311W380
VIN Number:	1LNHM82W5XY014122
Fuel System Rated Capacity:	19 gallons
Prototype Level:	CP
Drive Side:	LH

Special Prep/Build Instructions Primary Vehicle

Special Build Instructions

- ☐ Remove Side View Mirrors
- ☐ Remove Headrests
- ☐ Remove Hood
- ☐ Remove Arm rest
- ☐ Remove Bottom of Bumper Cover
- ☐ Cut Off Brake & Clutch Pedal
- ☐ Color Contrast Under Hood Components

Other, Specify:

☒ DISABLE FRONT AIRBAGS

Pyro Restraints Usage

- ☐ Left Front Air Bag
- ☐ Right Front Air Bag
- ☒ Left Side Air Bag
- ☐ Right Side Air Bag
- ☐ Left Pyro Retractor
- ☐ Left Pyro Buckle
- ☐ Right Pyro Retractor
- ☐ Right Pyro Buckle

Other, Specify:

☒ Remote Fire Time: 18 ms
(No fire time listed if sensor fired OR if no pyro restraints are used)

Special Pre-Test Preparation

Other, Specify:

Occupant / ATD Request Primary Vehicle

	<i>Occupant 1</i>	<i>Occupant 2</i>
Type	<u>BioSID</u>	<u>N/A</u>
Instrumentation Level*	<u>Uninstrumented</u>	<u>N/A</u>
In-Vehicle Location	<u>Left Front</u>	<u>N/A</u>
Verify: <i>Seat Position Long</i>	<u>Mid track travel</u>	<u>N/A</u>
<i>Seat Position Vert</i>	<u>Full down</u>	<u>N/A</u>
<i>Seat Back Angle</i>	<u>28 degrees</u>	<u>N/A</u>
Positioning Procedure	<u>ST-15</u>	<u>N/A</u>
<i>Use Foot Rest</i>	<u>Yes</u>	<u>N/A</u>
<i>Take Seat Track Video</i>	<u>N/A</u>	<u>N/A</u>
<i>Special Positioning Instructions</i>		
 Dummy Adjustment (arm angle)	 <u>N/A</u>	 <u>N/A</u>
Occupant Belted	<u>Yes</u>	<u>N/A</u>

*See Instrumentation request for detailed instrumentation information.

Test Conditions - Final Prep

T.O. #: TB9669

Final Prep Contacts

ONE of these MUST be present during weigh-up & final prep

Test Engineer	Request Engineer	Build Coordinator
Name: _____	Mary Wroten	Emory Meler
Phone: _____	83-71739	84-57542
Pager: _____	MWRO	EME

Tire Pressure (psi)

Front: 32 Rear: 32

Fuel System

Fuel Tank & System to Contain: None

N/A	=	N/A	x	10 gallons
Fill Level	=	%	x	Capacity

Weight Targets

If required weight distribution is UNACHIEVABLE, please note allowable variances.

Curb Weight (lbs)	Requested Test Weight (lbs)	Acceptable Test Weight Variance (lbs)		Actual Test Weight
		High (+)	Low (-)	
Front: 2255	2300	Front: 12.5		Front: 2370
Rear: 1795	2235	Rear: 12.5		Rear: 2235
Total: 4051	4535	Total: 25		Total: 4605

Rated Luggage Load: 200 lbs X 99% option weight Max option weight

Target test weight is 4535lbs including casters.

Max acceptable weight is 4770 lbs (max test weight) including casters.

CONTACT REQUESTOR IF TARGET WEIGHT CANNOT BE ACHIEVED.

Simulate/Verify at Weigh-Up

Dummy Weight

On Board Camera Count

Weight Addition (Restrictions)

Do NOT place any weight in the following locations:

☐ Air Cleaner	☐ Engine	☒ Doors
☐ Battery	☐ Fan Box/Shroud	☒ Foot Wells - Front
☐ Bottle - Coolant	☐ Headlamp Opnrs	☒ Foot Wells - Rear
☐ Bottle - Washer	☐ Radiator	☒ Quarter Panels
Other: _____		☐ Trunk Floor

Ride Heights

Measure @ Test Weight

Front: 718Rear: 707

Measure

Front: Wheel lip

To: Ground

Additional Remarks

Dimensional Analysis Request Primary Vehicle

Side Impacts

PRE POST

X		404	Control Points (CAR)	Exterior
		405	Control Points (TRUCK)	Exterior
		409	Body Targets & Orientation Points (Wheel Lips)	Exterior
		411	A.B.C. Pillars	Interior
		417	Pre-Crash Lateral Seat GL's, H-Pts, etc	Exterior/Interior
		418	NHTSA Barrier face Profiles (Mid-Bumper; Mid-Stack; Top of Barrier)	Exterior
		419	European Barrier face Profiles (Mid-Bumper; Mid-Stack; Top of Barrier)	Exterior
	X	421	Roof line exterior section	Exterior
	X	423	Beltline exterior section (1st 50mm Body line below glass/weather strip)	Exterior
	X	425	Mid-line exterior section (plan view @ 800 mm Body line)	Exterior
	X	427	Character line exterior section (plan view @ 800 mm Body line)	Exterior
	X	428	Bottom of door exterior section	Exterior
	X	431	Rocker line exterior section (1st 10 mm Body line below door opening)	Exterior
X	X	433	Roof line interior section	Interior
X	X	435	Beltline interior section	Interior
	X	437	Hip line interior section	Interior
	X	438	Hinge Pillar exterior section (1st 50mm Body line forward of Hinge plate)	Exterior
	X	439	2500 mm Body line interior and exterior sections	Exterior/Interior
	X	440	Front H-Point Mid-Seat Location interior and exterior sections (per package)	Exterior/Interior
X	X	441	B-Pillar interior and exterior sections (1st 50mm Body line rearward of H-Pt)	Exterior/Interior
		442	Rear H-Point Location interior and exterior sections (per package)	Exterior/Interior
	X		Pole location of center of dummy head CG impact	Exterior
X			Exact x, y, z coordinates of accelerometer locations	Exterior/Interior

Film Analysis & Photographic Services Request**Side Impact Film Analysis**

- ☒ Impact Speed
☐ Impact Angle
☒ Dummy Head wrt Vehicle Lateral
☒ Dummy Head wrt Vehicle Vertical
☒ Dummy Head wrt Vehicle Resultant
☐ Cart wrt Vehicle Impact Point
☒ Dummy Chest wrt Vehicle
☐ Cart wrt Vehicle Intrusion (overhead)
☒ Vehicle wrt Pole Intrusion (overhead)
☒ Dummy Head wrt Pole

Other, Specify:

Still Photography

- _____ Copies of Still Photo Proof Sheets Required
 _____ Copies of Still Photos (4X5) Required
☒ Pre Test Documentation Photographs
☒ Post Test Documentation Photographs

High Speed Photographic Requirements

- ☐ 1 Copies of High Speed Film Required
 _____ Copies of High Speed Film Required in VHS Format
☒ Digitization of Driver/ Passenger Kinematics
 _____ Format

High Speed Cameras for Side Impact**On-Board Vehicle**

- ☒ Front Dummy from Vehicle Hood
☒ Front Dummy from Opposite Window Opening
☐ Rear Dummy from Opposite Window Opening
☐ Rear Dummy from Vehicle Trunk
☒ View of Front Seat to Show Dummy Interaction with Trim from Front (Fiber Optic)
☒ View of Front Seat to Show Dummy Interaction with Trim from Rear

Floor Coverage

☒ Full Left View of Impact
☒ Full Right View of Impact
☒ Front 3/4 View of Impact
☒ Rear 3/4 View of Impact
☐ View of Cart for Velocity determination

Pit Coverage

☒ View of impacted side of vehicle with pole
☐

Overhead Coverage

☒ Overall view of impacted vehicle side including pole
☐ View of impacted vehicle side focus on front door opening area

All Other High Speed Photography

☐
☐

Instrumentation and Data Processing Request

Primary Vehicle Structural Instrumentation - Side Impact

ACCELEROMETERS:

		Long	Vert	Lat
	U A-PILLAR_INSIDE_@_ROCKER			
	U A-PILLAR_INSIDE_@_HINGE			
	W A-PILLAR_INSIDE_@_HINGE			
X	W F_DOOR_@_BELTLINE_MID			
X	W F_DOOR_OVER_ARMREST			
X	W F_DOOR_REAR_OF_BEAT_HPT			
X	W F_DOOR_SPEAKER_HOLE			
X	W B-PILLAR_INSIDE_@_ROOF			
X	W B-PILLAR_INSIDE_@_BELTLINE			
X	W B-PILLAR_INSIDE_@_ROCKER			
X	W R_DOOR_@_BELTLINE_MID			
X	W R_DOOR_OVER_ARMREST			
X	W ROCKER_@_FRONT_SEAT_MID			X
X	W ROCKER_@_REAR_SEAT_MID			X
X	W ROCKER_@_FRONT_SEAT_MID	X	X	X
X	W ROCKER_@_REAR_SEAT_MID	X	X	X
	FRONT_FLOOR_PAN_@_CL			
	FLOOR_XMR_@_L/F_SEAT_CL			
	FLOOR_XMR_@_R/F_SEAT_CL			
	CL_TUNNEL_@_FRONT_SEAT			
	REAR_FLOOR_PAN_ABOVE_AXLE			
X	W REAR_FUEL_INERTIA_SWITCH	X	X	X

12/6/99
MAW

Primary Vehicle Systems Instrumentation**SENSOR ACCELS:**☒ See Sensor Map**MONITOR AIR BAG SENSORS:**☒ See Sensor Map☐ Monitor Closure of Each Specified Sensor☐ Monitor Closures of Single PI Elect Sensor**MONITOR AIR BAGS STATUS:**☒ -Driver Side Airbag Squib Voltage☒ -Driver Side Airbag Squib Current☐ Driver Bag Pressure☐ Passenger Squib Voltage☐ Passenger Squib Current☐ Passenger Bag Pressure☐ Passenger Inflator Pressure**RESTRAINT LOADS:**☐ Left Belt Tongue - Strain Gaged☐ Left Pyro-Technic Buckle Squib Voltage☐ Left Pyro-Technic Buckle Squib Current☐ Right Belt Tongue - Strain Gaged☐ Right Pyro-Technic Buckle Squib Voltage☐ Right Pyro-Technic Buckle Squib Current☐ Left Lap Belt at Anchor Load☐ Left Torso Belt at Retractor Load☐ Left Torso Belt at D-ring Load☐ Right Lap Belt at Anchor Load☐ Right Torso Belt at Retractor Load☐ Right Torso Belt at D-ring Load**STEERING COLUMN:**☐ Stroke Break Wires☐ Tilt Mechanism Break Wires☐ Spring Pot☐ Load Cell (5 Axis)**SWITCHES:**☐ Engine to Rad Support left☐ Engine to Rad Support center☐ Engine to Rad Support right☐ Brake booster to shock tower**FUEL SYSTEM:**☒ -Inertia Fuel System Cut-Off Switch**ANGULAR MOTION SENSORS**☐
☐**VEHICLE STRING POTS**☐
☐

List of Test Contacts

	Last name, First name	Phone	Pager	Profile
Requestor	Wroten, Mary	99-71730	MWRO	MWROTEN1
Approving supervisor	Arthurs, Kirk	99-05158	KART	KARTHURS
Build coordinator	Meier, Emory	84-57542	EMEI	EMEIER
Test engineer				
Other	Wozniak, Jennifer	24-84541	JWOZ	JWOZNIA1
Sensor	Kemnitz, Erich	24-81802	EKEM	EKEMNITZ

	Last name	Phone	Pager	Profile
Takata	McHale, Mike	32-38621	MMCH	MMCHALE
Instrument panel				
Restraints				
Air bag (driver)				
Air bag (passenger)				
Steering column				

CRTS 0011699

Requestor/Originator: N97PACTM1
 Printed: 11/18/99 Printer: Beaver
 Destroy Pres. Copies

Request #: T8088
 Contact List Attachment
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Auth: TA
 Ver: 0.000 - revised, Sept 13, 1999
 Author: O'Brien/Pager/Cole

ENTIRE PAGE CONFIDENTIAL

TEST AUTHORIZATION NUMBER:

TB9669

CONTACTS:

name	phone	pager	probe
Mary Wroten	33-71730	MWRO	MWROTEN1
Emory Meier	84-57542	EMEI	EMEIER
Jennifer Wozniak	24-84541	JWOZ	JWOZNIA1

TEST ENGINEER:

Requestor/Originator: MWROTEN1
 Project: 11/10/88 Family: BERTW
 Delivery Prev. Option

Release #: TB9669
 Print Book Cover
 Page 13 of 12

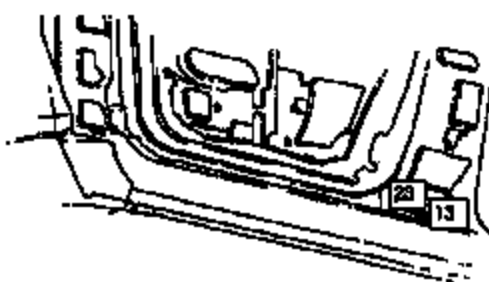
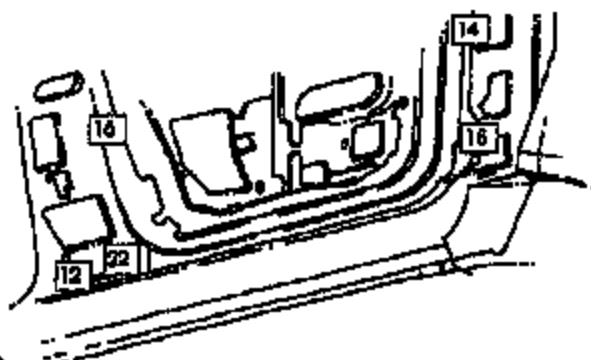
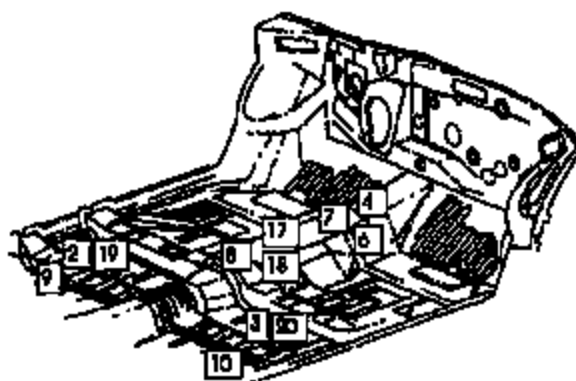
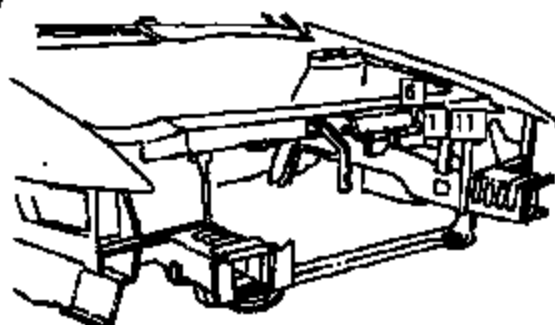
Auto TA
 Vac 2/88/ Issue: Sept 18, 1988
 Authors: ClassHighSignon/Ch

CRTS 0011699

Program: 2001 EN / FN
 Vehicle ID: 811W880
 Build level: CP FN145 Side
 Test Mode: 15mph LH Pole

SENSOR MAP

Engineer: Brian Kemnitz
 Phone #: 248-1602
 Date: 11/02/1999
 Time: 9:30 AM



Location Name	Type	Output	Nominal (+/-)	Max/Min	Serial #
1 L/C FRONT RAD SUPPORT_SM		Sensor	Takata FCS No ODAS output		FCS-GEN-A??
2 L/F FLOOR PAN @ #2 XMBR CTR_SM		Sensor	Takata SCS No ODAS output		SCS-GEN-A??
3 R/F FLOOR PAN @ #2 XMBR CTR_SM		Sensor	Takata SCS No ODAS output		SCS-GEN-A??
4 CTR TUNNEL @ DASH_SM	accel	TRIAx	Near RCM		
5 L/C FRONT RAD SUPPORT_SM	accel	LONG			
6 CTR TUNNEL @ DASH_RCM	accel	TRIAx	On RCM		RCM-GEN-A??
7 CTR TUNNEL @ DASH_TAK1	TAKATA RCM1	Sensor	2.5v (+/- 200mV)	10 / 0 V	ST001
8 CTR TUNNEL @ DASH_TAK2	TAKATA RCM2		2.5v (+/- 200mV)	10 / 0 V	ST001
9 CTR TUNNEL @ DASH_TAK3	TAKATA RCM3		2.5v (+/- 200mV)	10 / 0 V	ST001
10 CTR TUNNEL @ DASH_TAK4	TAKATA RCM4		2.5v (+/- 200mV)	10 / 0 V	ST001
11 C/L INL BETWEEN F/SEATS_SM	accel	TRIAx			
12 L/F FLOOR PAN @ #2 XMBR CTR_SM	accel	TRIAx	Near Takata SCS Sensor		
13 R/F FLOOR PAN @ #2 XMBR CTR_SM	accel	TRIAx	Near Takata SCS Sensor		
14 L/C FRONT RAD SUPPORT_FCS	accel	LONG	On FCS sensor		
15 L/B-PLR_INL @_RDR	accel	LAT		Near TRW SCS	
16 R/B-PLR_INL @_RDR	accel	LAT		Near TRW SCS	
17 L/A-PLR_UPPER_HINGE	Takata	Sensor(2)	No ODAS Output	Coil wraps on upper hinge	
18 L/A-PLR_LOWER_HINGE	Takata	Sensor(2)	No ODAS Output	Coil wraps on lower hinge	
19 L/B-PLR_REIN @_STRKER	Takata	Sensor	No ODAS Output	Coil wraps on striker pin	
20 C/L INL BETWEEN F/SEATS_RCM	accel	TRIAx		On top of TRW RCM	
21 C/L INL BETWEEN F/SEATS_TRW1	TRW RCM1	Sensor		0/10V	
22 C/L INL BETWEEN F/SEATS_TRW2	TRW RCM2			0/10V	
23 L/F FLOOR PAN @ #2 XMBR CTR_SCS	accel	LAT		On SCS Sensor	
24 R/F FLOOR PAN @ #2 XMBR CTR_SCS	accel	LAT		On SCS Sensor	
25 L/B-PLR_INL @_RDR	TRW SCS	Sensor		TRW SCS Sensor	
26 R/B-PLR_INL @_RDR	TRW SCS	Sensor		TRW SCS Sensor	

Contact: Ford: Brian Kemnitz 248-1602
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