

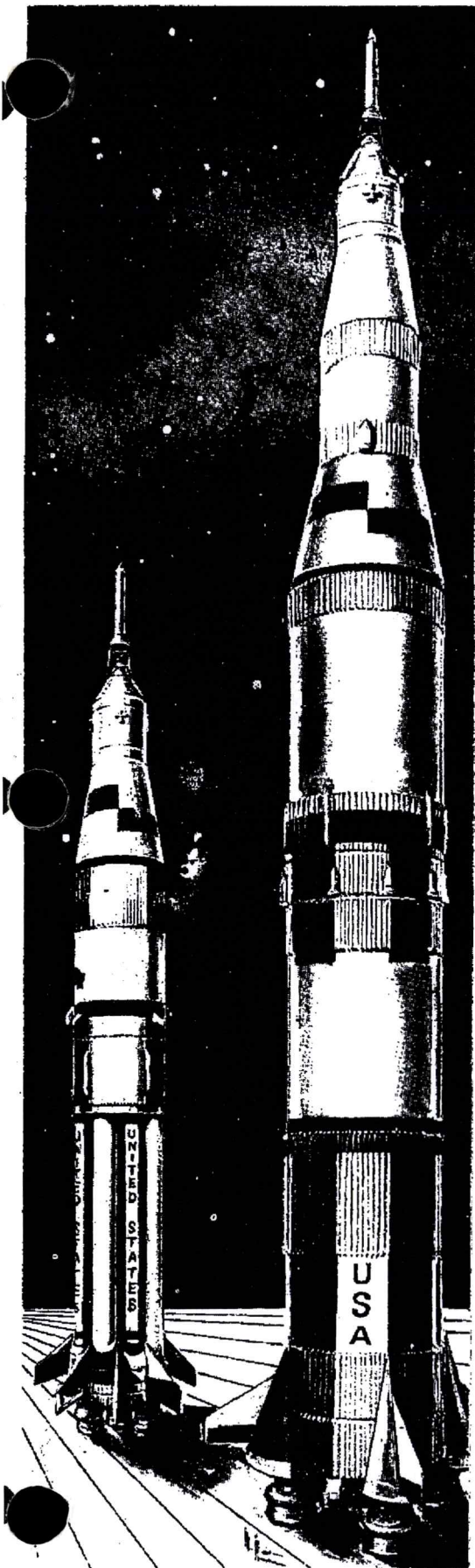
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GEORGE C. MARSHALL **SPACE
FLIGHT
CENTER**

SATURN

SATURN V
SYSTEM DEFINITION

VOLUME II



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

SECTION I. INTRODUCTION

- 1.1 Purpose. The Saturn V System Definition is a management and technical tool designed to provide visibility into the elements that comprise the Saturn V System and into the documentation that describes and controls the design and operation of the launch vehicle and its supporting ground equipment.
- 1.2 Scope. The Saturn V System Definition consists of two volumes:
 1. Volume I contains:
 - a. The Saturn V/AS-503 System Definition Diagram (SDD), an integrated electromechanical diagram of the system elements that comprise the Saturn V Launch Vehicle and its associated Ground Support Equipment.
 - b. Documentation Index, a tabulation of pertinent system element and system level documentation used to describe and control the design and operation of the system elements shown on the SDD.
 2. Volume II contains a Document Reference List which is a bibliographical listing of the documentation cited in Volume I.

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TABLE 2-1. DOCUMENT NUMBER INDEX

<u>DOCUMENT NO.</u>	<u>LINE ITEM</u>	<u>DOCUMENT NO.</u>	<u>LINE ITEM</u>
A3900500	540	CP181M0001A	201
A3904050	169	CP181M0002A	175
A3904500	165	CP181M0003A	176
A3904510	557	CP181M0004A	594
A3904520	558	CP181M0005A	595
A3904530	167	CP190M0001A	112
A3904700	542	CP190M0002A	326
A3926000	171	CP204303A	219
CF3900520	162	CP209000A	159
CF3904050	168	CP273M0001A	115
CF3904500	163	CP273M0002A	114
CF3904530	166	CP281M0001A	177
CF3904700	541	CP362M0001A	222
CF3926000	170	CP4B0315A	328
CM-004-001-2H	267	CP4B0316A	111
CP02N236531KCA	296	CP4B0432AA	223
CP02N240901KCA	134	CP4B0433AA	218
CP02N240911KCA	131	CP4B0438AA	213
CP02N240921KCA	132	CP4B0472A	281
CP02N240931KCA	133	CP4B0473A	280
CP02N241171KCA	248	CP4B0479A	272
CP02N640051KCB	319	CP4B1874A	276
CP02N801911KCB	316	CP4B1875A	279
CP02N802711KCB	287	CP621M0014A	161
CP02N802713KCB	288	CP7907373	156
CP02N802715KCB	289	CP820014A	337
CP02N236541KCA	308	CP820017A	334
CP09RA1000002A	206	CP9CA001A	302
CP09RA1000004A	203	CP9RK001A	301
CP09RA1000010A	285	CP9SA001A	366
CP09RM1801S02A	271	CP92S00001103	154
CP10A00920A00A	508	D5-13251	127
CP10A00925A00A	507	D5-13618	155
CP10A00926A00A	451	D5-15401-003	517
CP10A00927A00A	361	D5-15401-004	516
CP10A00928A00A	365	D5-15401-005	511
CP10A00929A00A	505	D5-15401-006	510
CP10A00937A00A	284	D5-15401-007	512
CP10A00938A00A	502	D5-15401-008	518
CP10RA1000005B	310	D5-15401-009	519
CP10RA1000007B	103	D5-15401-010	520
CP10RA1000008B	8	D5-15401-011	514
CP10RA1000009A	1	D5-15401-012	513
CP10RA1000015B	120	D5-15401-013	521
CP10RA1000016A	109	D5-15401-016D	314
CP10RA1000020A	304	D5-15401-017	9

TABLE 2-1. DOCUMENT NUMBER INDEX (Continued)

<u>DOCUMENT NO.</u>	<u>LINE ITEM</u>	<u>DOCUMENT NO.</u>	<u>LINE ITEM</u>
D5-15401-018	2	MSFC-MAN-014	202
D5-15401-021	104	MSFC-MAN-018	199
D5-15401-023	249	MSFC-MAN-019	224
D5-15401-033	121	MSFC-MAN-020	330
D5-15401-034	522	MSFC-MAN-021	217
D5-15402-010	107	MSFC-MAN-022	214
D5-15402-007B	313	MSFC-MAN-024	10
D5-15402-008	126	MSFC-MAN-025	106
D5-15403-002B	311	MSFC-MAN-026	293
D5-15403-003	125	MSFC-MAN-027	322
D5-15403-004	124	MSFC-MAN-028	318
D5-16314	515	MSFC-MAN-034-3	473
D5-16315	255	MSFC-MAN-036	209
D5-16554	253	MSFC-MAN-040-3	471
GP-270	358	MSFC-MAN-049	108
G7-820041	323	MSFC-MAN-052	198
G7-820042	327	MSFC-MAN-058	194
G7-820064	324	MSFC-MAN-061	197
G7-820065	325	MSFC-MAN-066	113
G7-840029	275	MSFC-MAN-069	200
G7-853751	274	MSFC-MAN-201	182
G7-984071	221	MSFC-MAN-207	386
G7-987141	193	MSFC-MAN-208	384
G7-987458	226	MSFC-MAN-209	385
IN-R-ASTR-65-4	474	MSFC-MAN-210	252
INS-23-C-0006	496	MSFC-MAN-234	122
INS-24-SP-001	463	MSFC-MAN-239	593
I-V-TR-502-10	144	NASA64KF362	183
I-V-TS-501-10	266	RS12A046	116
KD2A0156	151	R-1420eS	232
K-V-012	164	R-2158bS	234
LV012, 19001-N	393	SAT V DDAS Interim	
Maintenance & Instr.	389	Tech. Support Data	
Manual for DRS-2A		Pkg for Equipment	
Maint. & Instr.	388	at LC-39-1	390
Manual for DRS-3		SDS114934	461
MAN R-3825-1	235	SDS980074A	475
MAN R-3825-1B	236	SDS980176	563
MAN R-3825-4	237	SDS980075A	335
MAN R-3896-1	229	SE-005-003-2H	269
MAN R-3896-4	230	SE400016	207
MSFC-MAN-004-1	299	SE400017	208
MSFC-MAN-004-2	251	SE400317	204
MSFC-MAN-004-3	128	SE400319	205
MSFC-MAN-006	228	SE700231	123
MSFC-MAN-007	3	SE-700233	233
MSFC-MAN-008	210	SID-66-1464-3A	160
MSFC-MAN-010	110	SID-66-1465-3	238

TABLE 2-1. DOCUMENT NUMBER INDEX (Continued)

<u>DOCUMENT NO.</u>	<u>LINE ITEM</u>	<u>DOCUMENT NO.</u>	<u>LINE ITEM</u>
SK-40K12001	344	1B59552-1	216
SK-40K12002	70	1B59969-1	225
SK-40K12603	345	1B59993	215
SP-166D	268	1B63796	555
SP-205D	257	1B64274	277
SS10A00503A00A	346	1B64275	278
SS9DC001A	582	1B64439	282
SS9DE001A	481	1B65479-1	220
SS9DR001A	470	1B66259	239
SS9DT001A	350	1B67363	547
SS9EC001A	578	10A024.9.1	561
SS9FA001A	581	10M30531	270
SS9FC001A	498	10Z22501	539
SS9HG001A	462	11M00001	286
SS9LH001A	354	11M00721	529
SS9LM001A	391	11M00809	331
SS9LX001A	353	11M00827	129
SS90B001A	523	11M00852	305
SS9PB001A	577	11M00866	320
SS9P0001A	484	11M00868	297
SS9PT001A	452	11M00882	527
SS9QB001A	579	13M03000	55
SS9RP001A	352	13M03001	50
SS9SA001A	367	13M03002	62
SS9TC001A	488	13M03083	32
SS9TM001A	580	13M07000	54
SS9TS001A	495	13M07001	51
SS9WB001A	468	13M07002	65
SS9WC001A	491	13M07004	78
TM-474	466	13M07005	52
TM-495	482	13M07006	71
TR31-30-007	380	13M07083	31
V7-00002	537	13M50096	79
V7-900152	259	13M50097	44
V7-900153	260	13M50098	72
V7-900154	258	13M50099	59
V7-900156	261	13M50117	30
V7-900157	262	13M50123	29
1A39300	538	13M50127	77
1A57883	329	13M50129	140
1A57885	295	13M50130	142
1A70704	548	13M50200	53
1B33021	552	13M50201	45
1B42720	263	13M50202	63
1B43998-1	273	13M50303	60
1B44001-1	534	13M50312	141
1B44002-1	535	13M50404	76
1B58718	556	13M50405	74

TABLE 2-1. DOCUMENT NUMBER INDEX (Continued)

<u>DOCUMENT NO.</u>	<u>LINE ITEM</u>	<u>DOCUMENT NO.</u>	<u>LINE ITEM</u>
13M50406	90	40M05839	596
1901740-1	638	40M06218	48
1901780-1	629	40M06968	374
1901822	635	40M08200	379
1901823-1	634	40M08294	569
1901860-1	631	40M08341	377
1901863-1	633	40M08342	378
1902489-1	627	40M08399	376
1902490-1	636	40M10590	460
1902525	626	40M10616	348
1902534	630	40M11259	459
1902535	632	40M11692	588
1902536	639	40M11697	591
1902625	628	40M11699	152
1902644	637	40M11702	27
20M84904	477	40M11703	28
2112000-501-524	397	40M11704	375
2112141	398	40M11847	227
2186600 thru	399-	40M12375	568
2186651	450	40M12379	381
2186676	576	40M12380	395
2186699	336	40M12382	566
30M13706	525	40M13162	592
30M13707	524	40M13604	456
30M13834	526	40M13608	457
38315	338	40M13609	485
39K0000001	265	40M13610	486
39K2100000	483	40M13613	347
39K2150000	554	40M13780	394
39K2250000	551	40M13870	458
39K2300000	351	40M13921	382
39K2350000	364	40M13922	383
39K2500000	264	40M14143	567
39K2550000	143	40M14389	362
39K2800000	88	40M14490	455
39K2900000	479	40M15013	509
39K3050000	500	40M15014	493
39K3150000	472	40M15015	506
39K3500000	392	40M15016	504
39K4100000	303	40M15017	503
39K5200000	497	40M15018	501
40M00213A	7	40M15019	490
40M00214	476	40M15020	489
40M04744	89	40M15271	369
40M05486	343	40M15813	571
40M05488	153	40M16386	5
40M05832	543	40M16510	26
40M05834	528	40M16542	597

TABLE 2-1. DOCUMENT NUMBER INDEX (Continued)

<u>DOCUMENT NO.</u>	<u>LINE ITEM</u>	<u>DOCUMENT NO.</u>	<u>LINE ITEM</u>
40M17445	625	65B8002-1	291
40M18589	564	65B8003-1	292
40M18815	158	65B80191	317
40M30593	46	65ICD7001	349
40M30596	56	65ICD7052	139
40M30597	64	65ICD7469	87
40M30694	12	65ICD9000	49
40M35000	43	65ICD9140	138
40M35001	91	65ICD9142	100
40M35563	58	65ICD9200	24
40M35564	136	65ICD9202	149
40M37519	61	65ICD9203	341
40M37543	600	65ICD9204	340
40M55035	147	65ICD9205	339
40M60323	562	65ICD9206	342
50M13113	598	65ICD9400	6
50M15065	570	65ICD9401	23
50M15401	372	65ICD9402	22
50M15658	565	65ICD9403	37
50M33626	373	65ICD9404	95
50M33644	574	65ICD9405	75
50M33666	370	65ICD9406	93
50M33677	396	65ICD9740	80
50M33688	371	65ICD9741	81
50M34278	98	65ICD9742	82
50M34280	148	65ICD9743	96
50M35890	181	65ICD9744	94
50M36197	179	65ICD9745	83
50M36400	572	65ICD9746	40
50M36401	573	65ICD9747	41
50M36495	575	65ICD9748	42
50M36890	180	65ICD9749	47
50M66525	387	65ICD9750	84
51A10004	240	65ICD9751	85
59K5150000	469	65ICD9752	57
60B03000	536	65ICD9753	16
600-01052	11	65ICD9754	17
63A107350	150	65ICD9755	15
63C500872	499	65ICD9756	86
63D707101	145	65ICD9757	34
63D707311	487	65ICD9758	135
64KF-362	494	65ICD9761	13
65B23442	130	65ICD9762	68
65B23917	298	65ICD9763	67
65B24149	250	65ICD9764	69
65B64005	321	65ICD9765	36
65B8001-1	290	65ICD9766	35

TABLE 2-1. DOCUMENT NUMBER INDEX (Continued)

<u>DOCUMENT NO.</u>	<u>LINE ITEM</u>	<u>DOCUMENT NO.</u>	<u>LINE ITEM</u>
65ICD9767	39	75M06442	307
65ICD9768	21	75M06443	306
65ICD9769	25	75M06518	294
65ICD9770	19	75M07486	189
65ICD9771	20	75M07487	187
65ICD9772	641	75M08121	607
65ICD9773	38	75M08122	606
65ICD9775	73	75M08124	605
65ICD9776	18	75M08125	604
65ICD9779	14	75M08126	603
65ICD9781	92	75M08127	602
65ICD9782	99	75M09830	601
65ICD9783	137	75M10464	188
65ICD9784	589	75M10465	191
65ICD9785	590	75M12177	247
65ICD9786	66	75M12178	118
65ICD9787	101	75M12179	117
650801000	312	75M12180	245
650803001	533	75M12181	244
650803201	532	75M12183	119
650804000	531	75M12184	315
650804517	530	75M12185	300
66EDV264	464	75M12187	146
66ICD9260	97	75M12189	172
66-232-0001	333	75M12190	33
66-257-0005	157	75M12270	492
66-257-0008	231	75M13610	453
66-966-0006	478	75M13683	192
68-874-003	454	75M15160	368
75M04664	359	75M15211	241
75M04666	549	75M15214	242
75M04668	553	75M15390	560
75M04671	363	75M18516	332
75M04685	355	75M18751	480
75M04686	357	75M18758	550
75M04687	356	75M18767	465
75M05432	184	75M18768	467
75M05753	196	75M20157	174
75M05793	309	75M21702	246
75M05867	173	75M21704	243
75M05868	195	76K00410	559
75M05869	583	76K04301	178
75M05870	185	76K04507	102
75M05957	190	77K01016	584
75M05960	186	77K01017	545
75M05962	256	77K01018	586
75M05977	283	77K01019	544

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<u>DOCUMENT NO.</u>	<u>LINE ITEM</u>
77K01020	585
77K01022	546
77K01024	587
77K01524	360
79K00023	254
8A00-0003	211
8B00-0001	212
874500	4
893310	105

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
1	CP10RA1000009A	INERT PREFILL UNIT, S-IC	BOEING, HUNTSVILLE		CM-004-001-2H	X	
2	D5-15401-018	INTEGRATED TEST REQUIREMENTS/ SPECIFICATIONS FOR S-IC INERT PRE- FILL UNIT PHASE I, KSC, MILA, LC-39, ML1	BOEING, KSC		D2-113113-1	X	
3	MSFC-MAN-007	S-IC INERT PREFILL UNIT	BOEING, HUNTSVILLE	MSFC R-P&VE-VOS	MSFC-MAN-000	X	
4	874500	INERT PREFILL UNIT	BOEING, HUNTSVILLE			X	
5	40M16386	LVESE TO HAZARDOUS GAS ANALYZER	GENERAL ELECTRIC, HUNTSVILLE	MSFC R-ASTR-ESS	MA-004-001-2H	X	
6	65ICD9400	SERVICING REQUIREMENTS ECS SATURN V LC-39	MSFC R-P&VE-VOR	MSFC R-P&VE-VOR	MA-004-001-2H	X	
7	40M00213A	LAUNCH VEHICLE TO ESE TO S-IC INERT PREFILL SYSTEM	GENERAL ELECTRIC, HUNTSVILLE	MSFC R-ASTR-ESS	MA-004-001-2H	X	
8	CP10RA1000008B	SERVICE UNIT, RJ-1 AND ETHYLENE GLYCOL, TRAILER MOUNTED FOR SATURN V	BOEING, HUNTSVILLE			X	
9	D5-15401-017	INTEGRATED TEST REQUIREMENTS/ SPECIFICATIONS FOR S-IC RJ-1 AND ETHYLENE GLYCOL SERVICER, PHASE I, KSC, MILA, LC-39, ML1	BOEING, KSC		D2-113113-1	X	
10	MSFC-MAN-024	RJ-1 AND ETHYLENE GLYCOL SERVICER	HAYES	MSFC R-P&VE-VOS	MSFC-MAN-000	X	
11	600-01052	ASSEMBLY-MOBILE SERVICER, RJ-1 AND ETHYLENE GLYCOL	HAYES			X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
12	40M30694	DEFINITION OF SATURN V VEHICLE S-IC/ESE ELECTRICAL INTERFACE	MSFC R-ASTR-EAI	MSFC R-ASTR-EAI	MA-004-001-2H	X	
13	65ICD9761	PHYSICAL ICD S-IC INERT PREFILL AND PIPING CRITERIA	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
14	65ICD9779	PHYSICAL ICD AND PIPING CRITERIA HAZARDOUS GAS ANALYZER	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
15	65ICD9755	PIPING CRITERIA S-IVB PNEUMATIC CONSOLE SET	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-004-2H	X	
16	65ICD9753	PHYSICAL ICD S-IVB PNEUMATIC CONSOLE DSV 4B-432A/SATURN V	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-004-2H	X	
17	65ICD9754	PHYSICAL ICD S-IVB PNEUMATIC CONSOLE DSV 4B-432A/SATURN V	BOEING, HUNTSVILLE	MSFC R-P&VE-VOO	MA-004-004-2H	X	
18	65ICD9776	S-IC FWD UMB SVCR UNIT PHYSICAL PIPING CRITERIA	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
19	65ICD9770	PHYSICAL ICD PNEUMATIC CHECKOUT RACKS 1-4	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
20	65ICD9771	PIPING CRITERIA S-IC PNEUMATIC CONSOLE SET	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
21	65ICD9768	PHYSICAL ICD S-IC PNEU CONSOLE RACKS 1-4	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
22	65ICD9402	FUNCTIONAL INTERFACE FLUID REQUIRE- MENTS GASEOUS NITROGEN SYSTEM/ SATURN V	MSFC R-P&VE-VOR	MSFC R-P&VE-VOR	MA-004-001-2H	X	
23	65ICD9401	FUNCTIONAL INTERFACE FLUID REQUIRE- MENTS GASEOUS HELIUM SYSTEM/ SATURN V	MSFC R-P&VE-VOR	MSFC R-P&VE-VOR	MA-004-001-2H	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
24	65ICD9200	SATURN V LAUNCH VEHICLE ESE TO FACILITY CABLES	GENERAL ELECTRIC, HUNTSVILLE	MSFC R-ASTR-ESS	MA-004-001-2H	X	
25	65ICD9769	PHYSICAL ICD PNEUMATIC CONSOLE RACKS 5-9	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H		
26	40M16510	DEFINITION OF ELECTRICAL INTERFACE SATURN V LVESE/S-IVB BULKHEAD VACUUM MONITORING EQUIPMENT	GENERAL ELECTRIC, KSC	MSFC R-ASTR-ESS	MA-004-004-2H	X	
27	40M11702	LVESE/S-IC PNEUMATIC CONSOLE LC-39	GENERAL ELECTRIC, KSC	MSFC R-P&VE	MA-004-001-2H	X	
28	40M11703	LVESE/S-II PNEUMATIC CONSOLE LC-39	GENERAL ELECTRIC, KSC		MA-004-001-2H	X	
29	13M50123	ENVELOPE LEM/SIVB-IU CLEARANCE PHYSICAL REQUIREMENTS	MSFC-R-P&VE VSL	MSFC-R-P&VE	MA-004-004-2H	X	
30	13M50117	S-IVB/IU CLEARANCE ENVELOPE PHYSICAL REQUIREMENTS	MSFC-R-P&VE VSL	MSFC-R-P&VE	MA-004-004-2H	X	
31	13M07083	LV/SC FUNCTIONAL REQUIREMENTS	MSFC-R-P&VE	MSFC-R-P&VE	MA-004-001-2H	X	
32	13M03083	LV/SC PROCEDURAL REQUIREMENTS	MSFC-R-P&VE	MSFC-R-P&VE	MA-004-004-2H	X	
33	75M12190	COMPLEX 39 SATURN V VEHICLE AUXILIARY SUPPORT SYSTEM	BOEING-KSC	KSC DE-KEM	SP-205D (REF. NO. 543)	X	
34	65ICD9757	PHYSICAL ICD IU COOLING UNIT AND PIPING CRITERIA	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
35	65ICD9766	PHYSICAL PIPING CRITERIA S-II PNEUMATIC CONSOLE SET LC-39	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	

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REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
36	65ICD9765	PHYSICAL ICD HEAT EXCHANGER A7-71/SATURN V	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
37	65ICD9403	FUNCTIONAL INTERFACE FLUID REQUIRE- MENTS GASEOUS HYDROGEN SYSTEM SATURN V	MSFC R-P&VE-VOR	MSFC R-P&VE-VOR	MA-004-001-2H	X	
38	65ICD9773	PIPING CRITERIA S-IC FLUSH AND PURGE UNIT SATURN V	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
39	65ICD9767	PHYSICAL ICD HYDRAULIC UNIT LC-39	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
40	65ICD9746	UMBILICAL AND SERVICE CONNECTS, S-II INTERMEDIATE	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
41	65ICD9747	UMBILICAL AND SERVICE CONNECTS, S-II LOX DISCONNECT	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
42	65ICD9748	UMBILICAL AND SERVICE CONNECTS, S-II LH2 DISCONNECT	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
43	40M35000	DEFINITION OF SATURN V VEHICLE S-II/ESE ELECTRICAL INTERFACE	MSFC R-ASTR-EAI	MSFC R-ASTR-EAI	MA-004-001-2H	X	
44	13M50097	SATURN V VEHICLE S-II STAGE FLUID REQUIREMENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VOR	MA-004-001-2H	X	
45	13M50201	S-II/S-IVB STAGE PHYSICAL REQUIRE- MENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VSL	MA-004-004-2H	X	
46	40M30593	DEFINITION OF SATURN V VEHICLE S-II/S-IVB ELECTRICAL INTERFACE	MSFC R-ASTR-EAI	MSFC R-ASTR-EAI	MA-004-004-2H	X	
47	65ICD9749	UMBILICAL AND SERVICE CONNECTS S-II FORWARD	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
48	40M06218	EBW PULSE SENSOR INTERFACES	GENERAL ELECTRIC, HUNTSVILLE	MSFC R-ASTR-ESS	MA-004-004-2H	X	
49	65ICD9000	APOLLO SATURN V LAUNCH VEHICLE PROTUBERANCES	BOEING, HUNTSVILLE	MSFC R-P&VE-VSL	MA-004-004-2H	X	
50	13M03001	S-II/S-IVB STAGE PROCEDURAL RE- QUIREMENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VNC	MA-004-004-2H	X	
51	13M07001	S-II/S-IVB STAGE FUNCTIONAL RE- QUIREMENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VNC	MA-004-004-2H	X	
52	13M07005	J-2 ENGINE/S-II STAGE FUNCTIONAL REQUIREMENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VNC	MA-004-001-2H	X	
53	13M50200	S-IC/S-II STAGE PHYSICAL REQUIRE- MENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VSL	MA-004-001-2H	X	
54	13M07000	S-II/S-IC STAGE FUNCTIONAL RE- QUIREMENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VNC	MA-004-001-2H	X	
55	13M03000	S-IC/S-II STAGE PROCEDURAL REQUIRE- MENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VNC	MA-004-001-2H	X	
56	40M30596	DEFINITION OF SATURN V VEHICLE S-IC/S-II ELECTRICAL INTERFACE	MSFC R-ASTR-EAI	MSFC R-ASTR-EAI	MA-004-001-2H	X	
57	65ICD9752	UMBILICAL AND SERVICE CONNECTS, IU	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
58	40M35563	DEFINITION OF SATURN SA-503 IU/ESE ELECTRICAL INTERFACE	MSFC R-ASTR-EAI	MSFC R-ASTR-EAI	MA-004-001-2H	X	
59	13M50099	SATURN V VEHICLE IU FLUID REQUIRE- MENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VOR	MA-004-001-2H	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
60	13M50303	IU/SPACECRAFT PHYSICAL REQUIREMENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VSL	MA-004-001-2H	X	
61	40M37519	IU/SPACECRAFT ELECTRICAL REQUIREMENTS	GENERAL ELECTRIC, HUNTSVILLE	MSFC R-ASTR-EA	MA-004-001-2H	X	
62	13M03002	S-IVB/IU PROCEDURAL REQUIREMENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VNC	MA-004-004-2H	X	
63	13M50202	S-IVB/IU STAGE PHYSICAL REQUIREMENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VSL	MA-004-004-2H	X	
64	40M30597	DEFINITION OF SATURN V VEHICLE S-IVB/IU ELECTRICAL INTERFACE	MSFC R-ASTR-EAI	MSFC R-ASTR-EAI	MA-004-004-2H	X	
65	13M07002	S-IVB/IU FUNCTIONAL REQUIREMENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VNC	MA-004-004-2H	X	
66	65ICD9786	PHYSICAL ICD, PUMPING UNIT DSV-4B-479	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-004-2H	X	
67	65ICD9763	PHYSICAL ICD S-II PNEUMATIC CONSOLE S7-41C/SATURN V	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
68	65ICD9762	PHYSICAL ICD S-II PNEUMATIC CONSOLE S7-41B/SATURN V	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
69	65ICD9764	PHYSICAL ICD S-II PNEUMATIC CONSOLE S7-41A AND 41D/SATURN V	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
70	SK-40K12002	TBC CONTRACTOR RESPONSIBILITY	BOEING, KSC	KSC		X	
71	13M07006	J-2 ENGINE/S-IVB STAGE FUNCTIONAL REQUIREMENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VNC	MA-004-004-2H	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
72	13M50098	SATURN V VEHICLE S-IVB STAGE FLUID REQUIREMENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VOR	MA-004-004-2H	X	
73	65ICD9775	PHYSICAL ICD PIPING SYSTEM, S-II LEAK DETECTION SYSTEM	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
74	13M50405	J-2 ENGINE/S-II STAGE PHYSICAL REQUIREMENTS	BOEING, HUNTSVILLE	R-P&VE-VSL	MA-004-001-2H	X	
75	65ICD9405	FUNCTIONAL INTERFACE FLUID REQUIRE- MENTS LIQUID OXYGEN SYSTEM SATURN V	MSFC R-P&VE-VOR	MSFC R-P&VE-VOR	MA-004-001-2H	X	
76	13M50404	F-1 ENGINE/S-IC STAGE PHYSICAL REQUIREMENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VSL	MA-004-001-2H	X	
77	13M50127	F-1 ENGINE/GSE PHYSICAL REQUIRE- MENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VSL	MA-004-001-2H	X	
78	13M07004	F-1 ENGINE/S-IC STAGE FUNCTIONAL REQUIREMENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VNC	MA-004-001-2H	X	
79	13M50096	SATURN V VEHICLE S-IC STAGE FLUID REQUIREMENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VOR	MA-004-001-2H	X	
80	65ICD9740	UMBILICAL AND SERVICE CONNECTS PLATE NUMBER 3-4, S-IC AFT	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
81	65ICD9741	UMBILICAL AND SERVICE CONNECTS PLATE NUMBER 1-2, S-IC AFT	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
82	65ICD9742	UMBILICAL AND SERVICE CONNECTS PLATE NUMBER 3-2, S-IC AFT	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
83	65ICD9745	PHYSICAL ICD LAUNCH VEHICLE S-IC FORWARD UMBILICAL LC-39/GSE	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
84	65ICD9750	UMBILICAL AND SERVICE CONNECTS, S-IVB AFT	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-004-2H	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
85	65ICD9751	UMBILICAL AND SERVICE CONNECTS, S-IVB FWD	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-004-2H	X	
86	65ICD9756	PHYSICAL ICD S-IVB HEAT EXCHANGER DSV-4B-438 SATURN V	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-004 2H	X	
87	65ICD7469	LC-39 PIPING CRITERIA, FLUID RE- QUIREMENTS AND INTERFACE LOCATIONS FOR S/C AND LV HYPERGOLIC SYSTEM	BOEING, KSC	MSFC R-P&VE-VO	MA-004-004-2H	X	
88	39K2800000	WATER CONTROL SYSTEM, FUNCTIONAL DIAGRAM	GENERAL ELECTRIC, KSC	KSC			
89	40M04744	ESE EQUIPMENT ALLOCATION POWER DISTRIBUTOR LCC AUXILIARY COMPLEX 39, SATURN V					
90	13M50406	J-2 ENGINE/S-IVB STAGE PHYSICAL REQUIREMENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VSL	MA-004-004-2H	X	
91	40M35001	DEFINITION OF SATURN V VEHICLE S-IVB/ESE ELECTRICAL INTERFACE	MSFC R-ASTR-EAI	MSFC R-ASTR-EAI	MA-004-004-2H	X	
92	65ICD9781	PHYSICAL ICD VACUUM MONITORING CONSOLE DSV-4-303	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-004-2H	X	
93	65ICD9406	FUNCTIONAL INTERFACE FLUID RE- QUIREMENTS ROCKET PROPELLANT -1 SYSTEM SATURN V	MSFC R-P&VE-VOR	MSFC R-P&VE-VOR	MA-004-001-2H	X	
94	65ICD9744	PHYSICAL ICD LAUNCH VEHICLE S-IC INTERTANK UMBILICAL/LC-39 GSE	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
95	65ICD9404	FUNCTIONAL INTERFACE FLUID RE- QUIREMENTS LIQUID HYDROGEN SYSTEM SATURN V	MSFC R-P&VE-VOR	MSFC R-P&VE-VOR	MA-004-001-2H	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
96	65ICD9743	MOTION ENVELOPE AFT UMBILICAL PLATES], 2, & 3 S-IC PHYSICAL	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
97	66ICD9260	LC-39 CABLE INTERFACE LCC OPERATIONAL TELEVISION DISPLAYS KSC/MSFC	MSFC R-ASTR-NDG	MSFC R-ASTR-NDG	MA-004-001-2H	X	
98	50M34278	DEFINITION OF ELECTRICAL INTERFACE SATURN V COMPUTER DISPLAY IODC/ DISPLAY SYSTEM	MSFC R-ASTR-NDG	MSFC R-ASTR-NDG	MA-004-001-2H	X	
99	65ICD9782	DAMPING RETRACT AND RECONNECT CONSOLE PHYSICAL AND PIPING	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
100	65ICD9142	WIND LOAD ALLEVIATION SYSTEM FACILITY TO LAUNCH VEHICLE	MSFC R-P&VE-VO	MSFC R-P&VE-VO	MA-004-001-2H	X	
101	65ICD9787	PHYSICAL INTERFACE Q-BALL COVER REMOVER TO Q-BALL COVER	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
102	76K04507	Q-BALL COVER REMOVAL SYSTEM ASSEMBLY	BOEING, KSC	KSC DE-MSD-2		X	
103	CP10RA1000007B	FLUSH AND PURGE GROUND SUPPORT SERVICING SYSTEM, TRUCK MOUNTED	BOEING, HUNTSVILLE		CM-004-001-2H	X	
104	D5-15401-021	INTEGRATED TEST REQUIREMENTS/ SPECIFICATIONS FOR S-IC FLUSH AND PURGE TRUCK (PHASE 1), KSC, MILA, LC-39, ML-1	BOEING, KSC		D2-113113-1	X	
105	893310	MOBILE FLUSH AND PURGE SERVICER	BOEING, HUNTSVILLE			X	
106	MSFC-MAN-025	S-IC MOBILE FLUSH AND PURGE SERVICE UNIT	BOEING, HUNTSVILLE	MSFC R-P&VE-VOS	MSFC-MAN-000	X	
107	D5-15402-010	INTEGRATION TEST REQUIREMENTS SPECIFICATION FOR S-IC FLUSH AND PURGE SUBSYSTEM AND CHECKOUT LOCAL CONTROL KSC, MILA, LC-39, ML-1	BOEING, KSC		D2-113113-1		

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
108	MSFC-MAN-049	SATURN V DAMPING SYSTEM	MSFC R-P&VE-VNP	MSFC R-P&VE-VNP	MSFC-MAN-000	X	
109	CP10RA1000016A	SATURN V DAMPING, RETRACT AND RECONNECT SYSTEM	BOEING, HUNTSVILLE	MSFC R-P&VE	CM-004-001-2H	X	
110	MSFC-MAN-010	S-IVB FORWARD/INSTRUMENT UNIT UMBILICAL ASSY SATURN V	IBM	MSFC R-P&VE-VOU	MSFC-MAN-000		
111	CP4B0316A	LAUNCHER FWD UMBILICAL KIT	McDONNELL/ DOUGLAS HUNTSVILLE		CM-004-001-2H	X	
112	CP190M0001A	CARRIER UMBILICAL DISCONNECT ARM NO. 3A PLATE ASSEMBLY	NORTH AMERICAN- ROCKWELL HUNTSVILLE		CM-004-001-2H	X	
113	MSFC-MAN-066	UMBILICAL DISCONNECT EQUIPMENT MAINTENANCE MANUAL	NORTH AMERICAN- ROCKWELL HUNTSVILLE	MSFC R-P&VE-VOU	MSFC-MAN-000	X	
114	CP273M0002A	LH2 FILL DISCONNECT	NORTH AMERICAN- ROCKWELL, HUNTSVILLE		CM-004-001-2H	X	
115	CP273M0001A	LOX FILL DISCONNECT	NORTH AMERICAN- ROCKWELL, HUNTSVILLE		CM-004-001-2H	X	
116	RS12A046	PERFORMANCE AND DESIGN REQUIRE- MENTS FOR LAUNCH SUPPORT EQUIPMENT, LC-39	BOEING, KSC	KSC DE-KEM	D2-113113-1	X	
117	75M12179	COMPLEX 39 SATURN V NITROGEN SYSTEM	BOEING, KSC	KSC DE-KEM	SP-205D (REF. NO. 543)	X	
118	75M12178	COMPLEX 39 SATURN V HELIUM SYSTEM	BOEING, KSC	KSC DE-KEM	SP-205D (REF. NO. 543)	X	
119	75M12183	COMPLEX 39 SATURN V SERVICE ARM SYSTEM	BOEING KSC	KSC DE-KEM	SP-205D (REF. NO. 543)	X	
120	CP10RA1000015B	SATURN V HAZARDOUS GAS ANALYZER	CHRYSLER	MSFC R-P&VE	CM-004-001-2H	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
121	D5-15401-033	INTEGRATED TEST REQUIREMENTS/ SPECIFICATIONS FOR HAZARDOUS GAS ANALYZER, PHASE 1, KSC, MILA, LC-39, ML-2	BOEING, KSC		D2-113113-1	X	
122	MSFC-MAN-234	HAZARDOUS GAS DETECTION SYSTEM	BOEING, HUNTSVILLE	MSFC R-P&VE	MSFC-MAN-000	X	
123	SE700231	HAZARDOUS GAS ANALYZER ASSEMBLY	BOEING, HUNTSVILLE	MSFC R-P&VE		X	
124	D5-15403-004	INTEGRATED TEST AND CHECKOUT REQUIREMENTS, SPECIFICATIONS, AND CRITERIA	BOEING, KSC		D2-113113-1	X	
125	D5-15403-003	INTEGRATED TEST REQUIREMENTS/ SPECIFICATIONS S-IC F-1 ENGINE SYSTEM CHECKOUT	BOEING, KSC		D2-113113-1	X	
126	D5-15402-008	INTEGRATED TEST REQUIREMENT/ SPECIFICATION FOR S-IC INERTING SUBSYSTEM CHECKOUT LOCAL CONTROL KSC,MILA,LC 39,ML-2	BOEING, KSC		D2-113113-1	X	
127	D5-13251	PRELAUNCH TEST & CHECKOUT REQUIREMENTS FOR S-IC STAGES AT KSC	BOEING, HUNTSVILLE	MSFC	D2-113113-1	X	
128	MSFC-MAN-004-3	S-IC PNEUMATIC CHECKOUT RACKS	BOEING, KSC	MSFC R-P&VE-VOS	MSFC-MAN-000	X	
129	11M00827	PANEL ASSEMBLY KICKOFF CONTROL - DRRS	MSFC R-P&VE	MSFC			
130	65B23442	MECHANICAL SCHEMATICS PNEUMATIC CHECKOUT RACKS	BOEING, MICHOU	MSFC I-V-S-IC	BOEING-MICHOU ENGINEERING PARTS RELEASE RECORD	X	
131	CP02N240911KCA	PNEUMATIC CHECKOUT RACK NO. 2	BOEING, MICHOU	MSFC I-V-S-IC	CM-004-001-2H	X	
132	CP02N240921KCA	PNEUMATIC CHECKOUT RACK NO. 3	BOEING, MICHOU	MSFC I-V-S-IC	CM-004-001-2H	X	
135	CP02N240931KCA	PNEUMATIC CHECKOUT RACK NO. 4	BOEING, MICHOU	MSFC I-V-S-IC	CM-004-001-2H	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
134	CP02N240901KCA	PNEUMATIC CHECKOUT RACK NO. 1	BOEING, MICHOU	MSFC, I-V-S-IC	CM-004-001-2H	X	
135	65ICD9758	PHYSICAL ICD IU PNEUMATIC CONSOLE AND PIPING CRITERIA	BOEING, HUNTSVILLE	MSFC R-P&VE-VOS	MA-004-001-2H	X	
136	40M35564	DEFINITION OF SATURN V IU/ESE ELECTRICAL INTERFACE	MSFC R-ASTR-EAI	MSFC R-ASTR-EAI	MA-004-001-2H	X	
137	65ICD9783	PHYSICAL ICD AND PIPING CRITERIA AUXILIARY DAMPING	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
138	65ICD9140	LC-39 S-IC MOBILE LAUNCH HOLDDOWN ARM PHYSICAL REQUIREMENTS	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
139	65ICD7052	SPACECRAFT GSE TO HAZARDPROOF MONITORING SYSTEM					
140	13M50129	DAMPING SYSTEM LES TOWER					
141	13M50312	SPACECRAFT TO Q-BALL PHYSICAL REQUIREMENTS					
142	13M50130	SATURN V AUXILIARY DAMPING SYSTEM					
143	39K2550000	TAIL SERVICE MAST CONTROL SYSTEM FUNCTIONAL DIAGRAM	GENERAL ELECTRIC, KSC	KSC			
144	I-V-TR-502-10	SATURN V LAUNCH VEHICLE TEST AND CHECKOUT REQUIREMENTS DOCUMENT SA-502 THRU SA-510	BOEING, HUNTSVILLE	MSFC		X	
145	63D707101	MAIN EQUIPMENT INDEX, ESE	GENERAL ELECTRIC, KSC	KSC		X	
146	75M12187	COMPLEX 39 SATURN V CRAWLER/ TRANSPORTER SYSTEM	BOEING, KSC	KSC DE-KEM	SP-205D (REF. NO. 543)	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
147	40M55035	DEFINITION OF ELECTRICAL INTERFACE SATURN V ESE/GND COMPUTER AND DEE-6	GENERAL ELECTRIC, HUNTSVILLE	MSFC R-ASTR-ESS	MA-004-001-2H	X	
148	50M34280	DEFINITION OF ELECTRICAL INTERFACE SATURN V COMPUTER DISPLAY IODC/DCE	MSFC R-ASTR-NDG	MSFC R-ASTR-NDG	MA-004-001-2H	X	
149	65ICD9202	LAUNCH VEHICLE ESE TO FACILITY AC POWER LC-39	GENERAL ELECTRIC, HUNTSVILLE	MSFC R-ASTR-ESS	MA-004-001-2H	X	
150	63A107350	ELECTRICAL ICD AUTOMATIC CHECKOUT EQUIPMENT SPACECRAFT/LVDC INTERFACE	IBM, HUNTSVILLE	MSFC R-ASTR-NDS	MA-004-001-2H	X	
151	KD2A0156	MECHANICAL LAUNCH SUPPORT EQUIPMENT HANDBOOK FOR SATURN V/APOLLO VEHICLES	BOEING, HUNTSVILLE	KSC DE-KEM			
152	40M11699	IU ESE/GROUND PNEUMATIC CONSOLE (ELECTRICAL)	GENERAL ELECTRIC, HUNTSVILLE	MSFC R-ASTR-ESS	MA-004-001-2H	X	
153	40M05488	ASTRIONICS LV ESE TO LAUNCH EQUIPMENT	GENERAL ELECTRIC, HUNTSVILLE	MSFC R-ASTR-ESS	MA-004-001-2H	X	
154	CP02S00001103	S-IC-3 THRU S-IC-10 FLIGHT STAGES	BOEING, MICHOU	MSFC I-V-S-IC	CM-004-001-2H	X	
155	D5-13618	SPECIFICATIONS AND CRITERIA FOR S-IC STAGE PRELAUNCH CHECKOUT AND LAUNCH OPERATIONS AT KSC	BOEING, HUNTSVILLE	MSFC I-V-T	D2-113113-1	X	
156	CP7907373	INSTRUMENT UNIT	IBM, KSC		CM-004-001-2H	X	
157	66-257-0005	PRELAUNCH CHECKOUT SPECIFICATIONS AND CRITERIA FOR S-IU-503	IBM, KSC				

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
158	40M18815	GROUND POWER EQUIPMENT LOGIC SCHEMATIC S-IC TERMINAL SEQUENCER	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
159	CP209000A	S-IVB FLIGHT STAGE	McDONNELL/DOUGLAS, HUNTSVILLE		CM-004-001-2H	X	
160	SID 66-1464-3A	SATURN V TEST REQUIREMENTS FOR KSC PRELAUNCH CHECKOUT AND LAUNCH OPERATIONS	NORTH AMERICAN-ROCKWELL, KSC			X	
161	CP621M0014A	CEI SPECIFICATION, S-II-3	NORTH AMERICAN-ROCKWELL, HUNTSVILLE		CM-004-001-2H	X	
162	CF3900520	WATER DISTRIBUTION, INDUSTRIAL	CATALYTIC/DOW KSC	KSC DE-FAC		X	
163	CF3904500	WATER DISTRIBUTION PAD A	CATALYTIC/DOW KSC	KSC DE-FAC		X	
164	K-V-012	APOLLO/SATURN V FACILITY DESCRIPTION	BOEING, KSC	KSC DE-FAC	D2-113113-1		
165	A3904500	PAD WATER SYSTEMS GENERAL	CATALYTIC/DOW KSC	KSC DE-FAC		X	
166	CF3904530	UTILITIES (POTABLE) WATER AND SEWAGE	CATALYTIC/DOW KSC	KSC DE-FAC		X	
167	A3904530	POTABLE WATER SYSTEM, LC-39A	CATALYTIC/DOW KSC	KSC DE-FAC		X	
168	CF3904050	COMPRESSED AIR FACILITY PAD A	CATALYTIC/DOW KSC	KSC DE-FAC		X	
169	A3904050	COMPRESSED AIR FACILITY PAD A	CATALYTIC/DOW KSC	KSC DE-FAC		X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
170	CF3926000	COMMON PUMP STATION (WATER)	CATALYTIC/DOW KSC	KSC DE-FAC		X	
171	A3926000	COMMON PUMP STATION (WATER)	CATALYTIC/DOW KSC	KSC DE-FAC		X	
172	75M12189	COMPLEX 39 SATURN V RP-1 SYSTEM	BOEING, KSC	KSC DE-KEM	SP-205-D(REF.NO. 543)	X	
173	75M05867	COMPLEX 39A RP-1 SYSTEM MECH SPECS.	BOEING, KSC	KSC DE-KEM		X	
174	75M20157	WATER SYSTEM LUT	BOEING, KSC	KSC DE-KEM		X	
175	CP181M0002A	PNEUMATIC AND SERVICING CHECKOUT CONSOLE	NORTH AMERICAN- ROCKWELL, HUNTSVILLE			X	
176	CP181M0003A	PNEUMATIC CONTROL INSULATION PURGE CONSOLE	NORTH AMERICAN- ROCKWELL, HUNTSVILLE		CM-004-007-2H	X	
177	CP281M0001A	STATIONARY VACUUM PUMP	NORTH AMERICAN- ROCKWELL, HUNTSVILLE		CM-004-007-2H	X	
178	76K04301	MECHANICAL INTERCONNECT, ML-1, AS-501, LC-39	BOEING, KSC	KSC DE-KEM		X	
179	50M36197	DISCRETE CONTROL SYSTEM FOR SATURN V OPERATIONAL COMPUTER	MSFC R-ASTR-NDG	MSFC R-ASTR-NDG	1-2016A	X	
180	50M36890	TEST AND CHECKOUT SPECIFICATIONS AND CRITERIA DISCRETE CONTROL EQUIPMENT MODEL 2016	MSFC R-ASTR-NDG	MSFC R-ASTR-NDG	SUBMITTED TO MSFC FOR APPROVAL 3/1/68	X	
181	50M35890	LOGIC DIAGRAM, DISCRETE OUTPUT EQUIPMENT (COMMUNICATIONS REGISTER)	MSFC R-ASTR-NDG	MSFC R-ASTR-NDG	1-2016A	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
182	MSFC-MAN-201	DISCRETE CONTROL EQUIPMENT	BROWN, HUNTSVILLE	R-ASTR-NDG	MSFC-MAN-000		X
183	NASA64KF362	LC-39, PAD A, WATER SYSTEM DESCRIPTION		KSC DE-KEM, DE-FAC		X	
184	75M05432	COMPLEX 39A RP-1 SYSTEM MECHANICAL	BOEING, KSC	KSC DE-KEM		X	
185	75M05870	COMPLEX 39 PNEUMATICS SYSTEM MECHANICAL	BOEING, KSC	KSC DE-KEM		X	
186	75M05960	PNEUMATICS SCHEMATIC, GN2 DISTRI- BUTION PANEL	BOEING, KSC	KSC DE-KEM		X	
187	75M07487	ACCEPTANCE CHECKOUT PROCEDURE FOR GN2 DISTRIBUTION PANEL J75M07021	BOEING, KSC	KSC DE-KEM		X	
188	75M10464	ELECTRICAL SCHEMATIC, GN2 DISTRI- BUTION PANEL					
189	75M07486	ACCEPTANCE CHECKOUT PROCEDURE FOR HELIUM DISTRIBUTION PANEL 75M07022	BOEING, KSC	KSC DE-KEM			
190	75M05957	PNEUMATIC SCHEMATIC, HELIUM DISTRI- BUTION PANEL	BOEING, KSC	KE DE-KEM		X	
191	75M10465	ELECTRICAL SCHEMATIC, HELIUM DISTRIBUTION PANEL					
192	75M13683	PNEUMATIC SCHEMATIC, FACILITY AIR STANDBY PANEL	BOEING, KSC	KE DE-KEM			
193	G7-987141	S7-41, S-II PNEUMATIC CONSOLE SET	NORTH AMERICAN- ROCKWELL, HUNTSVILLE			X	
194	MSFC-MAN-058	S7-41, S-II PNEUMATIC SERVICING CONSOLE SET MAINTENANCE MANUAL	NORTH AMERICAN- ROCKWELL, HUNTSVILLE	MSFC R-P&VE-VOS	MSFC-MAN-000	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
195	75M05868	LOX SYSTEM - MECHANICAL	BOEING, KSC	KSC DE-KEM		X	
196	75M05753	COMPLEX 39A, LH2 TRANSFER SYSTEM	BOEING, KSC	KSC DE-KEM		X	
197	MSFC-MAN-061	S7-45 INSULATION PURGE PNEUMATIC CONTROL CONSOLE MAINTENANCE MANUAL	NORTH AMERICAN- ROCKWELL, HUNTSVILLE	MSFC R-P&VE-VOS	MSFC-MAN-000	X	
198	MSFC-MAN-052	S7-29, STATIONARY VACUUM PUMP, MAINTENANCE MANUAL	NORTH AMERICAN- ROCKWELL, HUNTSVILLE	MSFC R-P&VE-VOS	MSFC-MAN-000	X	
199	MSFC-MAN-018	HYDRAULIC PUMPING UNIT AND REEL CARTS	McDONNELL/ DOUGLAS, HUNTSVILLE	MSFC R-P&VE-VOS	MSFC-MAN-000	X	
200	MSFC-MAN-069	S-II LEAK DETECTION EQUIPMENT MAINTENANCE MANUAL	NORTH AMERICAN- ROCKWELL, HUNTSVILLE	MSFC R-P&VE-VOS	MSFC-MAN-000	X	
201	CP181M0001A	LEAK DETECTOR PROPELLANT TANKS INSULATION	NORTH AMERICAN- ROCKWELL, HUNTSVILLE	MSFC R-P&VE-VOS	CM-004-007-2H	X	
202	MSFC-MAN-014	IU PNEUMATIC CONSOLE	CHRYSLER	MSFC R-P&VE-VOS	MSFC-MAN-000	X	
203	CP09RA1000004A	IU PNEUMATIC SUPPLY AND MONITORING SYSTEM CONSOLE ASSEMBLY	CHRYSLER	MSFC R-P&VE-VOS	CM-004-001-2H	X	
204	SE400317	IU PNEUMATIC CONSOLE - ELECTRICAL SCHEMATIC	CHRYSLER			X	
205	SE400319	IU PNEUMATIC CONSOLE - MECHANICAL SCHEMATIC	CHRYSLER			X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
206	CP09RA1000002A	IU GROUND SUPPORT EQUIPMENT, COOLING UNIT	CHRYSLER		CM-004-007-2H	X	
207	SE400016	IU FLOW CONTROL BOX - MECHANICAL SCHEMATIC	BOEING, KSC			X	
208	SE400017	IU FLOW CONTROL BOX - ELECTRICAL SCHEMATIC	BOEING,			X	
209	MSFC-MAN-036	IU GROUND SUPPORT COOLING UNIT, FLOW CONTROL VALVE BOX	BOEING, KSC		MSFC-MAN-000	X	
210	MSFC-MAN-008	IU GROUND SUPPORT COOLING UNIT	BOEING, KSC		MSFC-MAN-000	X	
211	8A00-0003	IU GROUND SUPPORT COOLING UNIT - MECHANICAL SCHEMATIC	BOEING, KSC			X	
212	8B00-0001	IU GROUND SUPPORT COOLING UNIT - ELECTRICAL SCHEMATIC	BOEING, KSC			X	
213	CP4B0438AA	COLD GAS GENERATOR	MCDONNELL DOUGLAS, HUNTSVILLE	MSFC I-V-S-IVB	CM-004-001-2H	X	
214	MSFC-MAN-022	S-IVB GAS HEAT EXCHANGER MODEL 438A	MCDONNELL DOUGLAS, HUNTSVILLE	MSFC R-P&VE-VOS	MSFC-MAN-000	X	
215	1B59993	MODEL 438A S-IVB GAS HEAT EXCHANGER	MCDONNELL DOUGLAS, HUNTSVILLE			X	
216	1B59552	PNEUMATIC CONSOLE MODEL 433A	MCDONNELL DOUGLAS, HUNTSVILLE			X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
217	MSFC-MAN-021	S-IVB PNEUMATIC CONSOLE MODEL 433A	McDONNELL DOUGLAS, HUNTSVILLE	MSFC R-P&VE-VOS	MSFC-MAN-000	X	
218	CP4B0433AA	PNEUMATIC CONSOLES MODEL 433A	McDONNELL DOUGLAS, HUNTSVILLE	MSFC I-V-S-IVB	CM-004-007-2H	X	
219	CP204303A	COMMON BULKHEAD VACUUM MONITOR CONSOLE MODEL 303	McDONNELL DOUGLAS, HUNTSVILLE	MSFC I-V-S-IVB	CM-004-001-2H	X	
220	1B65479-1	COMMON BULKHEAD VACUUM MONITORING CONSOLE - SCHEMATIC	McDONNELL DOUGLAS, HUNTSVILLE			X	
221	G7-984071	S-II LH2 HEAT EXCHANGER - SCHEMATIC	NORTH AMERICAN- ROCKWELL, HUNTSVILLE			X	
222	CP362M0001A	S-II LH2 HEAT EXCHANGER	NORTH AMERICAN- ROCKWELL, HUNTSVILLE		CM-004-001-2H	X	
223	CP4B0432AA	PNEUMATIC CONSOLES MODEL 432A	McDONNELL DOUGLAS, HUNTSVILLE	MSFC I-V-S-IVB	CM-004-001-2H	X	
224	MSFC-MAN-019	MODEL 432 PNEUMATIC CONSOLE	McDONNELL DOUGLAS, HUNTSVILLE	MSFC R-P&VE-VOS	MSFC-MAN-000	X	
225	1B59969-1	MODEL 432A S-IVB PNEUMATIC CONSOLE	McDONNELL DOUGLAS, HUNTSVILLE			X	
226	G7-987458	S-II LEAK DETECTION AND PURGE SYSTEM - MECHANICAL	NORTH AMERICAN- ROCKWELL, HUNTSVILLE			X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
227	40M11847	ESE COOLING EQUIPMENT	GENERAL ELECTRIC, HUNTSVILLE	MSFC R-ASTR-ESS	MA-004-001-2H	X	
228	MSFC-MAN-006	S-IC HYDRAULIC SUPPLY AND CHECKOUT UNIT	BOEING, HUNTSVILLE	MSFC R-P&VE-VOS	MSFC-MAN-000	X	
229	MAN R-3896-1	F-1 ROCKET ENGINE DATA MANUAL	NORTH AMERICAN, ROCKETDYNE	MSFC			
230	MAN R-3896-4	F-1 ENGINE ILLUSTRATED PARTS BREAKDOWN	NORTH AMERICAN, ROCKETDYNE	MSFC	D2-113113-1		
231	66-257-0008	KSC PRELAUNCH TEST AND CHECKOUT REQUIREMENTS FOR S-IU-501, 502, AND 503	BOEING, KSC			X	
232	R-1420	MODEL SPECIFICATION LIQUID OXYGEN/ RP-1 LIQUID PROPELLANT ROCKET ENGINE ROCKETDYNE MODEL F-1	NORTH AMERICAN, ROCKETDYNE		CM-004-001-2H	X	
233	SE-700233	HAZARDOUS GAS DETECTION SYSTEM DRAWING TREE		MSFC		X	
234	R-2158bS	MODEL SPECIFICATION 200,000 LB THRUST, OXYGEN/HYDROGEN LIQUID PROPELLANT ROCKET ENGINE ROCKET- DYNE MODEL J-1	NORTH AMERICAN, ROCKETDYNE	MSFC	CM-004-001-2H	X	
235	MAN R-3825-1	J-2 ROCKET ENGINE DATA MANUAL	NORTH AMERICAN, ROCKETDYNE	MSFC	MAN R-3825-1	X	
236	MAN R-3825-1B	J-2 ROCKET ENGINE OPERATING INSTRUCTIONS	NORTH AMERICAN, ROCKETDYNE	MSFC	D2-113113-1	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
237	MAN R-3825-4	J-2 ROCKET ENGINE ILLUSTRATED PARTS BREAKDOWN	NORTH AMERICAN, ROCKETDYNE	MSFC	D2-113113-1	X	
238	SID-66-1465-3	SATURN V TEST SPECIFICATIONS AND CRITERIA FOR KSC PRELAUNCH AND CHECKOUT AND LAUNCH OPERATIONS, S-II-503	NORTH AMERICAN- ROCKWELL, HUNTSVILLE	MSFC	SID-66-1465-3	X	
239	1B66259	TEST AND CHECKOUT REQUIREMENTS AT KSC, SATURN S-IVB/V	MCDONNELL DOUGLAS, HUNTSVILLE	MSFC	I-V-TR-502-10	X	
240	51A10004	TEST REQUIREMENTS FOR MODIFICATIONS TO ECS LC-39	BOEING, KSC	KSC DE-KEM	D5-16417-6	X	
241	75M15211	COMPLEX 39, SATURN V ENVIRON- MENTAL CONTROL SYSTEM	BOEING, KSC	KSC DE-KEM		X	
242	75M15214	DESIGN SPECIFICATION - ENVIRON- MENTAL CONTROL SYSTEM	BOEING, KSC	KSC DE-KEM	D5-16418-6	X	
243	75M21704	LC-39A LOX SYSTEM AND CROSS-COUNTRY MECHANICAL SCHEMATIC MODIFICATION	BOEING, KSC	KSC DE-KEM		X	
244	75M12181	COMPLEX 39 SATURN V LIQUID OXYGEN SYSTEM	BOEING, KSC	KSC DE-KEM	SP-205D (REF. NO. 543)	X	
245	75M12180	COMPLEX 39 SATURN V LIQUID HYDROGEN SYSTEM	BOEING, KSC	KSC DE-KEM	SP-205D (REF. NO. 543)	X	
246	75M21702	LH2 SYSTEM MECHANICAL SCHEMATIC MODIFICATION	BOEING, KSC	KSC DE-KEM		X	
247	75M12177	COMPLEX 39 SATURN V GASEOUS NITROGEN SYSTEM	BOEING, KSC	KSC DE-KEM	SP-205D (REF. NO. 543)	X	
248	CP02N241171KCA	S-IC FORWARD UMBILICAL SERVICING UNIT	BOEING, MICHOU	MSFC I-V-S-IC	CM-004-001-2H	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
249	D5-15401-023	INTEGRATED TEST REQUIREMENTS/SPECIFICATIONS FOR S-IC FORWARD UMBILICAL SERVICING UNIT - PHASE 1, KSC, MILA, LC-39, MIL-1	BOEING, HUNTSVILLE		D2-113113-1	X	
250	65B24149	MECHANICAL SCHEMATIC - FORWARD UMBILICAL SERVICE UNIT	BOEING, MICHOU	MSFC I-V-S-IC	BOEING-MICHOU ENGINEERING PARTS RELEASE RECORD MSFC-MAN-000	X	
251	MSFC-MAN-004-2	S-IC FORWARD UMBILICAL SERVICE CONSOLE	BOEING, KSC	MSFC P&VE-VOS		X	
252	MSFC-MAN-210A	ESE OPERATIONS AND MAINTENANCE MANUAL FOR TERMINAL COUNTDOWN SEQUENCER	GENERAL ELECTRIC HUNTSVILLE	MSFC	MSFC-MAN-000	X	
253	D5-16554	LC-39A and LC-39B PRE-USE GASEOUS NITROGEN SYSTEM TEST REQUIREMENTS	BOEING, KSC	KSC DE-KEM	D2-113113-1	X	
254	79K00023	Q-BALL COVER ASSEMBLY					
255	D5-16315	PRE-USE CHECKOUT TEST REQUIREMENTS GASEOUS HELIUM SYSTEM LC-39	BOEING, KSC	KSC DE-KEM	D2-113113-1	X	
256	75M05962	PNEUMATIC SCHEMATIC, VALVE PANEL 12				X	
257	SP-205-D	LC-39 LAUNCH SUPPORT SYSTEMS DRAWINGS	BOEING, KSC	KSC DE-KEM	D2-113113-1	X	
258	V7-900154	PROPELLANT FEED - FILL AND DRAIN - MECHANICAL SCHEMATIC	NORTH AMERICAN- ROCKWELL, HUNTSVILLE			X	
259	V7-900152	ENGINE COMPARTMENT CONDITIONING SCHEMATIC	NORTH AMERICAN- ROCKWELL, HUNTSVILLE			X	
260	V7-900153	PRESSURIZATION - MECHANICAL SCHEMATIC	NORTH AMERICAN- ROCKWELL, HUNTSVILLE			X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
261	V7-900156	THERMAL CONTROL SYSTEM, MECHANICAL SCHEMATIC	NORTH AMERICAN-ROCKWELL, HUNTSVILLE	MSFC	D2-113113-1	X	
262	V7-900157	LEAK DETECTION AND INSULATION PURGE SCHEMATIC	NORTH AMERICAN-ROCKWELL, HUNTSVILLE	MSFC		X	
263	1B42720	SCHEMATIC, S-IVB-503N PROPULSION SYSTEM COMPLETE	MCDONNELL DOUGLAS, HUNTSVILLE	MSFC		X	
264	39K2500000	LVO-LC-39 CABLING AND DISTRIBUTION REQUIREMENTS	GENERAL ELECTRIC, KSC	KSC			
265	39K0000001	RACK AND PANEL CONFIGURATION AND ESE AC POWER (LCC) LC-39	GENERAL ELECTRIC, KSC	KSC			
266	I-V-TS-501-10	SATURN V LAUNCH VEHICLE PRELAUNCH CHECKOUT AND LAUNCH OPERATIONS SPECIFICATIONS AND CRITERIA, SA-501 thru SA-510	BOEING, HUNTSVILLE	MSFC		X	
267	CM-004-001-2H	SATURN V SPECIFICATION INDEX	I-V-P, HUNTSVILLE	MSFC		X	
268	SP-166D	ELECTRICAL REFERENCE HANDBOOK ESE, LC-39	GENERAL ELECTRIC, KSC	KSC		X	
269	SE005-003-2H	ORDNANCE SYSTEMS SATURN V LAUNCH VEHICLE	BOEING, HUNTSVILLE	MSFC		X	
270	10M30531	SATURN V COMPOSITE MECHANICAL SCHEMATIC	BOEING, HUNTSVILLE	MSFC		X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
271	CP09RM1801S02A	IU-GSCU-FLOW CONTROL VALVE BOX	CHRYSLER		CM-004-001-2H	X	
272	CP4B0479A	HYDRAULIC PUMPING UNIT	McDONNELL DOUGLAS HUNTSVILLE	MSFC I-V-S-IVB	CM-004-001-2H	X	
273	1B43998-1	HYDRAULIC PUMPING UNIT	NORTH AMERICAN- ROCKWELL, HUNTSVILLE	MSFC		X	
274	G7-853751		NORTH AMERICAN- ROCKWELL HUNTSVILLE	MSFC		X	
275	G7-840029		NORTH AMERICAN- ROCKWELL HUNTSVILLE	MSFC		X	
276	CP4B1874A	INSTRUMENTATION AND CHECKOUT KIT, FUEL	McDONNELL DOUGLAS, HUNTSVILLE	MSFC	CM-004-001-2H	X	
277	1B64274	APS FUEL PRESSURE INSTRUMENTATION KIT	McDONNELL DOUGLAS, HUNTSVILLE	MSFC		X	
278	1B64275	APS OXIDIZER PRESSURE INSTRUMENTA- TION KIT	McDONNELL DOUGLAS, HUNTSVILLE	MSFC		X	
279	CP4B1875A	INSTRUMENT AND CHECKOUT INTER- CONNECT KIT, OXIDIZER	McDONNELL DOUGLAS, HUNTSVILLE	MSFC	CM-004-001-2H	X	
280	CP4B0473A	PROPELLANT TRANSFER AND INTER- CONNECT KIT, OXIDIZER	McDONNELL DOUGLAS, HUNTSVILLE	MSFC	CM-004-001-2H	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
281	CP4B0472A	PROPELLANT TRANSFER AND INTER- CONNECT KIT, FUEL	McDONNELL DOUGLAS, HUNTSVILLE	MSFC	CM-004-001-2H	X	
282	1B64439	APS FUEL INSTALLATION KIT, LC-39	McDONNELL DOUGLAS, HUNTSVILLE	MSFC		X	
283	75M05977	ELECTRICAL INTERCONNECT LC-39		KSC			
284	CP10A00937A00A	CROSSOVER DISTRIBUTOR S-IV FWD	GENERAL ELECTRIC, HUNTSVILLE	MSFC	CM-004-001-2H		
285	CP09RA1000010A	IU HOUSING ASSEMBLY	IBM, HUNTSVILLE	MSFC	CM-004-001-2H		
286	11M00001	INSTRUMENT UNIT HOUSING ASSEMBLY		MSFC P&VE-VN			
287	CP02N802711KCB	CARRIER ASSEMBLY AFT UMBILICAL #1	BOEING, MICHOU	MSFC I-V-S-IC	CM-004-001-2H	X	
288	CP02N802713KCB	CARRIER ASSEMBLY AFT UMBILICAL #2	BOEING, MICHOU	MSFC I-V-S-IC	CM-004-001-2H	X	
289	CP02N802715KCB	CARRIER ASSEMBLY AFT UMBILICAL #3	BOEING, MICHOU	MSFC I-V-S-IC	CM-004-001-2H	X	
290	65B80271-1	CARRIER ASSEMBLY, AFT UMBILICAL #1	BOEING, MICHOU	MSFC R-P&VE-VOU	ENGINEERING PARTS RELEASE RECORD	X	
291	65B80271-3	CARRIER ASSEMBLY, AFT UMBILICAL #2	BOEING, MICHOU	MSFC R-P&VE-VOU	ENGINEERING PARTS RELEASE RECORD	X	
292	65B80271-5	CARRIER ASSEMBLY, AFT UMBILICAL #3	BOEING, MICHOU	MSFC R-P&VE-VOU	ENGINEERING PARTS RELEASE RECORD	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
293	MSFC-MAN-026	S-IC AFT UMBILICAL CARRIERS AND FLIGHT PLATE	BOEING, KSC	MSFC R-P&VE-VOU	MSFC-MAN-000	X	
294	75M06518	HYDRO-PNEUMATIC SCHEMATIC SERVICE AND ACCESS ARM CONTROL		KSC			
295	1A57885	UMBILICAL KIT, FORWARD LAUNCHER	MCDONNELL DOUGLAS, HUNTSVILLE	MSFC			
296	CP02N236531KCA	S-IC PNEUMATIC CONSOLE RACKS 5-9	BOEING, MICHOU	MSFC I-V-S-IC	CM-004-001-2H	X	
297	11M00868	GAGE PANEL ASSEMBLY AND AUXILIARY DAMPENER	MSFC R-P&VE	MSFC			
298	65B23917	MECHANICAL SCHEMATIC, S-IC PNEUMATIC CONSOLES 1411	BOEING, MICHOU	MSFC I-V-S-IC	ENGINEERING PARTS RELEASE RECORD	X	
299	MSFC-MAN-004-1	S-IC PNEUMATIC CONSOLE	BOEING, KSC	MSFC P&VE-VOS	MSFC-MAN-000	X	
300	75M12185	COMPLEX 39 SATURN V LUT SYSTEMS	BOEING KSC	KSC DE-KEM	SP-205D (REF. NO. 543)	X	
301	CP9RK001A	RACKS AND PANELS SYSTEM	GENERAL ELECTRIC, KSC	KSC			
302	CP9CA001A	CABLE SYSTEM	GENERAL ELECTRIC, KSC	KSC			
303	39K4100000	CABLE SYSTEM FUNCTIONAL DIAGRAM	GENERAL ELECTRIC, KSC	KSC			
304	CP10RA1000020A	AUXILIARY DAMPING SYSTEM	BOEING, HUNTSVILLE	MSFC P&VE	CM-004-001-2H		

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
305	11M00852	SCHEMATIC AUXILIARY DAMPING		MSFC			
306	75M06443	ENGINE SERVICING DISTRIBUTOR PANEL ASSEMBLY #4		KSC			
307	75M06442	PNEUMATIC SCHEMATIC ENGINE SERVICING DISTRIBUTOR MODEL 4		KSC			
308	CP02N236541KCA	S-IC PNEUMATIC CONSOLE 1-4	BOEING, MICHOU	MSFC I-V-S-IC	CM-004-001-2H	X	
309	75M05793	SATURN V ARM ASSEMBLY	BOEING, KSC	KSC DE-KEM		X	
310	CP10RA1000005B	S-IC GROUND HYDRAULIC SUPPLY AND CHECKOUT UNIT	BOEING, HUNTSVILLE	MSFC I-V-G	CM-004-001-2H	X	
311	D5-15403-002	INTEGRATED TEST REQUIREMENTS/ SPECIFICATIONS FOR S-IC GROUND HYDRAULIC SUPPLY AND C/O UNIT, PHASE 1, KSC, MILA, LC-39, ML-1	BOEING, KSC		D2-113113-1	X	
312	650801000	HYDRAULIC SUPPLY AND CHECKOUT UNIT, S-IC	BOEING, HUNTSVILLE			X	
313	D5-15402-007	INTEGRATED TEST REQUIREMENTS/ SPECIFICATIONS FOR S-IC GROUND HYDRAULIC SUPPLY AND C/O UNIT, PHASE 1, KSC, MILA, LC-39, ML-1	BOEING, KSC		D2-113113-1	X	
314	D5-15401-016	INTEGRATED TEST REQUIREMENTS/ SPECIFICATIONS FOR S-IC GROUND HYDRAULIC SUPPLY AND C/O UNIT, PHASE 1, KSC, MILA, LC-39, ML-1	BOEING, KSC		D2-113113-1	X	
315	75M12184	COMPLEX 39 SATURN V TAIL SERVICE MAST SYSTEM	BOEING, KSC	KSC DE-KEM	SP-205D (REF. NO. 543)	X	
316	CP02N801911KCB	INTERTANK UMBILICAL CARRIER ASSEMBLY	BOEING, MICHOU	MSFC I-V-S-IC	CM-004-001-2H	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
317	65B80191	RECONNECT ASSEMBLY, INTERTANK UMBILICAL	BOEING, MICHOU	MSFC I-V-S-IC	ENGINEERING PARTS RELEASE RECORD	X	
318	MSFC-MAN-028	S-IC INTERTANK UMBILICAL CARRIER AND FLIGHT PLATE	BOEING, KSC	MSFC P&VE-VOU	MSFC-MAN-000	X	
319	CP02N640051KCB	CARRIER ASSEMBLY, FORWARD UMBILICAL	BOEING, MICHOU	MSFC I-V-S-IC	CM-004-001-2H	X	
320	11M00866	CONTROL PANEL ASSEMBLY AUXILIARY DAMPER	MSFC R-P&VE	MSFC			
321	65B64005	CARRIER ASSEMBLY, FORWARD UMBILICAL	BOEING, KSC	MSFC, I-V-S-IC	ENGINEERING PARTS RELEASE RECORD	X	
322	MSFC-MAN-027	S-IC FORWARD UMBILICAL CARRIER AND FLIGHT PLATE	BOEING, KSC	MSFC	MSFC-MAN-000	X	
323	G7-820041	PLATE ASSEMBLY, CARRIER UMBILICAL DISCONNECT AFT	NORTH AMERICAN- ROCKWELL, HUNTSVILLE	MSFC			
324	G7-820064	DISCONNECT ASSEMBLY - PROPELLANT LH2 FILL	NORTH AMERICAN- ROCKWELL, HUNTSVILLE	MSFC			
325	G7-820065	DISCONNECT ASSEMBLY - PROPELLANT LOX FILL	NORTH AMERICAN- ROCKWELL, HUNTSVILLE	MSFC			
326	CP190M0002A	CARRIER UMBILICAL DISCONNECT ARM NO. 4 PLATE ASSEMBLY	NORTH AMERICAN- ROCKWELL, HUNTSVILLE	MSFC	CM-004-001-2H		
327	G7-820042	PLATE ASSEMBLY CARRIER UMBILICAL DISCONNECT - FORWARD	NORTH AMERICAN- ROCKWELL, HUNTSVILLE	MSFC			

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
328	CP4B0315A	LAUNCHER AFT UMBILICAL KIT	McDONNELL/ DOUGLAS, HUNTSVILLE	MSFC	CM-004-001-2H		
329	1A57883	UMBILICAL KIT, APT LAUNCHER	McDONNELL/ DOUGLAS, HUNTSVILLE	MSFC			
330	MSFC-MAN-020	S-IVB AFT UMBILICAL KIT, MODELS DSV-4B-315, DSV-4B-353, AND DSV-4B-355	McDONNELL/ DOUGLAS, HUNTSVILLE	MSFC P&VE-VOS	MSFC-MAN-000	X	
331	11M00809	SCHEMATIC CONTROL SYSTEMS DRRS		MSFC			
332	75M18516	CONTROL PANE HOLD DOWN ARM SATURN V	BOEING, KSC	KSC DE-KEM		X	
333	66-232-0001 MSFC-III-4-440-4	SPECIFICATION FOR OPERATIONS SYSTEM FOR SATURN V LAUNCH COMPUTER COMPLEX	IBM, HUNTSVILLE	MSFC R-ASTR		X	
334	CP820017A	SPECIFICATION FOR OPERATIONS DIS- PLAY FOR SATURN V LAUNCH COMPUTER COMPLEX (SEC. 5 VOL II)	IBM, HUNTSVILLE	MSFC			
335	SDS980075A	DEE-6 PROGRAM REFERENCE MANUAL	SCIENTIFIC DATA SYSTEMS	MSFC			
336	2186699	SYSTEM REQUIREMENTS AND ACCEPTANCE SPECIFICATION FOR SATURN GROUND COMPUTER SYSTEM	RCA	MSFC	CPV-18699A	X	
337	CP820014A	OPERATIONAL DISPLAY SYSTEM, LCC	SANDERS	MSFC R-ASTR-ESS	CM-004-001-2H	X	
338	38315	WIRING DIAGRAM	SANDERS	MSFC			
339	65ICD9205	LVESE TO KSC DATA MEASUREMENT LC-39	GENERAL ELECTRIC, KSC	MSFC R-ASTR-ESS	MA-004-001-2H		
340	65ICD9204	COUNTCLOCK SYSTEM/KSC TIMING LC-39		MSFC R-ASTR-NDG	MA-004-001-2H		

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
341	65ICD9203	LVESE TO INSTRUMENTATION SYSTEM					
342	65ICD9206	DEF LVGSE/SECURE DIGITAL RSCR ESE	GENERAL ELECTRIC, KSC	MSFC R-ASTR-ESS			
343	40M05486	LVESE TO PROPELLANT SYSTEM AND ECS	GENERAL ELECTRIC, KSC	MSFC R-ASTR-ESS	MA-004-001-2H	X	
344	SK-40K12001	TBC CONTRACTOR RESPONSIBILITY (ECS-ESE)	BOEING. KSC	KSC			
345	SK-40K12603	TBC CONTRACTOR RESPONSIBILITY (PROPELLANTS)	BOEING, KSC	KSC			
346	SS10A00503A00A	SATURN V ESE FOR LV-503	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
347	40M13613	S-IC POWER ESE SCHEMATIC	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
348	40M10616	S-IC ESE SYSTEMS SCHEMATIC	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
349	65ICD7001	LC-39 DATA TRANSMISSION SYSTEM (WIDEBAND)		KSC LOEL	APOLLO INTERFACE CONTROL DOCUMENT LOG		
350	SS9DT001A	SYSTEM SPECIFICATION FOR DATA TRANSMISSION SYSTEM	GENERAL ELECTRIC, KSC	KSC	D2-113113-1		
351	39K2300000	DATA TRANSMISSION SYSTEM FUNCTIONAL DIAGRAM LC-39	GENERAL ELECTRIC, KSC	KSC			

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
352	SS9RP001A	SYSTEM SPECIFICATION, PERFORMANCE AND DESIGN REQUIREMENTS FOR SATURN V RP-1 ELECTRICAL SYSTEM	GENERAL ELECTRIC, KSC	KSC	D2-113113-1		
353	SS9LX001A	SYSTEM SPECIFICATION, PERFORMANCE AND DESIGN REQUIREMENTS FOR SATURN V LOX ELECTRICAL SYSTEM	GENERAL ELECTRIC, KSC	KSC			
354	SS9LH001A	SYSTEM SPECIFICATION, PERFORMANCE AND DESIGN REQUIREMENTS FOR SATURN V LH2 ELECTRICAL SYSTEM	GENERAL ELECTRIC, KSC	KSC	D2-113113-1		
355	75M04685	ADVANCED SCHEMATIC LH2 ELECTRICAL SYSTEM PAD A		KSC			
356	75M04687	ADVANCED SCHEMATIC LOX ELECTRICAL SYSTEM PAD A		KSC			
357	75M04686	ADVANCED SCHEMATIC RP-1 ELECTRICAL SYSTEM PAD A		KSC			
358	GP-270	APOLLO/SATURN V PROPELLANT AND GASES ELECTRICAL CONTROL SYSTEM DESCRIPTION		KSC			
359	75M04664	LH2 STORAGE AREA INSTALLATION PAD A	BOEING, KSC	KSC DE-KEM			
360	77K01524	LH2 ELECTRICAL SYSTEM (RELEASE DATE NOT KNOWN)		KSC			
361	CP10A00927A00A	CROSSOVER DISTRIBUTOR ASSEMBLY S-II FWD	GENERAL ELECTRIC, HUNTSVILLE	MSFC	CM-004-001-2H		
362	40M14389	DISCRETE INPUT SIGNAL CONDITIONER ASSEMBLY	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
363	75M04671	ELECTRICAL SPECIFICATION FOR ECS COMPONENTS		KSC			

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
364	39K2350000	ECS FUNCTIONAL DIAGRAM (LC-39)	GENERAL ELECTRIC, KSC	KSC	CM-004-001-2H D2-113113-1		
365	CP10A00928A00A	CROSSOVER DISTRIBUTOR I.U. STAGE	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
366	CP9SA001A	PRODUCT CONFIGURATION AND ACCEP- TANCE TEST REQUIREMENTS, SAACS	GENERAL ELECTRIC, KSC	KSC			
367	SS9SA001A	SYSTEM SPECIFICATION, PERFORMANCE AND DESIGN REQUIREMENTS FOR SERVICE AND ACCESS ARMS CONTROL SYSTEM	GENERAL ELECTRIC, KSC	KSC			
368	75M15160	ELECTRICAL SYSTEM SCHEMATIC	GENERAL ELECTRIC, KSC	KSC			
369	40M15271	COMPUTER PROGRAM DISTRIBUTOR	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
370	50M33666	DATA LINK SWITCH PANEL	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
371	50M33688	DATA LINK SWITCH TEST PANEL	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
372	50M15401	SENSE CONTROL PANEL	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
373	50M33626	SIGNAL CONDITIONER PANEL	GENERAL ELECTRIC, HUNTSVILLE	MSFC			

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
374	40M06968	COMPUTER OUTPUT SIGNAL CONDITIONER ASSEMBLY	GENERAL ELECTRIC, HUNTSVILLE	MSFC	MA-004-001-2H	X	
375	40M11704	100-DAY TYPE 1 COUNT CLOCK SYSTEM	GENERAL ELECTRIC, HUNTSVILLE	R-ASTR-ESS			
376	40M08399	CONFIGURATION REQUIREMENTS	MARSHALL SPACE FLIGHT CENTER	MSFC			
377	40M08341	LCC CABLING	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
378	40M08342	MLF CABLING	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
379	40M08200	SEE TR 31.30,007 FOR LIST OF DRAWINGS					
380	TR31.30.007	END ITEM REPORT FOR SATURN V COUNT CLOCK SYSTEM (100-DAY) TYPE 1 ESE	GENERAL ELECTRIC, HUNTSVILLE	MSFC I-V-G			
381	40M12379	CABLE INTERCONNECT DDAS SYSTEM	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
382	40M13921	ADVANCED SYSTEM SCHEMATIC (GROUND DDAS)	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
383	40M13922	ADVANCED SYSTEM SCHEMATIC STAGE DISCRETE STAGE DDAS	GENERAL ELECTRIC, HUNTSVILLE	MSFC			

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
384	MSFC-MAN-208	DDAS LINE DRIVER	GENERAL ELECTRIC, HUNTSVILLE	MSFC	MSFC-MAN-000		
385	MSFC-MAN-209	DDAS LINE RECEIVER	GENERAL ELECTRIC, HUNTSVILLE	MSFC	MSFC-MAN-000		
386	MSFC-MAN-207	DDAS COMPUTER INTERFACE	GENERAL ELECTRIC, HUNTSVILLE	MSFC	MSFC-MAN-000		
387	50M66525	MAINTENANCE AND INSTRUCTIONS MANUAL FOR PCM/GSE DRS 50M69703	MSFC R-ASTR	MSFC			
388	NO NUMBER	MAINTENANCE AND INSTRUCTIONS MANUAL FOR DRS-3	MSFC R-ASTR	MSFC			
389	NO NUMBER	MAINTENANCE AND INSTRUCTIONS MANUAL FOR DRS-2A	MSFC R-ASTR	MSFC			
390	NO NUMBER	SATURN V DDAS INTERIM TECHNICAL SUPPORT DATA PACKAGE FOR EQUIP- MENT AT LC 39-1	GENERAL ELECTRIC, KSC	KSC			
391	SS9LM001A	SPECIFICATION FOR LCC MEASURING SYSTEM	GENERAL ELECTRIC, KSC	KSC LVO			
392	39K3500000	LCCMS FUNCTIONAL DIAGRAM LC-39	GENERAL ELECTRIC, KSC	KSC			
393	LV012, 19001-N	APOLLO/SATURN LCC39 OPERATION AND MAINTENANCE, LCCMS	GENERAL ELECTRIC, KSC	KSC LVO			
394	40M13780	ADVANCED SYSTEMS INTEGRATION ESE	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
395	40M12380	SYSTEM INTEGRATION CABLE INTER- CONNECT DIAGRAM	GENERAL ELECTRIC, HUNTSVILLE	MSFC			

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
396	50M33677	DATA LINKS SWITCH CONTROL PANEL	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
397	2112000-501 to 524	COMPUTER SET, MISSILE C/O - SATURN GROUND CONTROL, RCA 110A	RCA	MSFC	CPV186699A	X	
398	2112141	COMPOSITE PARTS APPLICATION RECORD	RCA	MSFC	DCV186600	X	
399	2186600	EXECUTIVE ROUTINE	RCA	MSFC	CDV186600A	X	
400	2186601	CORE TEST	RCA	MSFC	CDV186601A	X	
401	2186602	INSTRUCTION TEST	RCA	MSFC	CDV186602A	X	
402	2186603	DRUM TEST	RCA	MSFC	CDV186603A	X	
403	2186604	TYPEWRITER TEST	RCA	MSFC	CDV186604A	X	
404	2186605	PRIORITY INTERRUPT TEST	RCA	MSFC	CDV186605A	X	
405	2186606	MAGNETIC TAPE TEST	RCA	MSFC	CDV186606A	X	
406	2186607	LIVE PRINTER TEST	RCA	MSFC	CDV186607A	X	
407	2186608	INTERVAL TIMER TEST	RCA	MSFC	CDV186608A	X	
408	2186609	CARD PUNCHER AND READER TEST	RCA	MSFC	CDV186609A	X	
409	2186610	PAPER PUNCH AND READER TEST	RCA	MSFC	CDV186610A	X	
410	2186611	DISCRETE INPUT/OUTPUT CABINET 7 AND 8 TEST	RCA	MSFC	CDV186611A	X	
411	2186612	DISCRETE INPUT/OUTPUT MONITOR MODE	RCA	MSDF	CDV186612A	X	
412	2186675	IDR AND TPC REGISTER TEST	RCA	MSFC	CDV186675A	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
413	2186614	DISPLACE 20DC	RCA	MSFC	CDV186614A	X	
414	2186615	ANALOG INPUT/OUTPUT	RCA	MSFC	CDV186615A	X	
415	2186616	DATA LINK SPECIAL TEST MODE	RCA	MSFC	CDV186616A	X	
416	2186617	DATA LINK ACCEPTANCE	RCA	MSFC	CDV186617A	X	
417	2186618	DATA LINK TRIO COMPUTER DEMON- STRATION	RCA	MSFC	CDV186618A	X	
418	2186619	DDAS IODC	RCA	MSFC	CDV186619A	X	
419	2186620	SIMULTANEOUS IODC DEMONSTRATION	RCA	MSFC	CDV186620A	X	
420	2186621	110A TEST PANEL	RCA	MSFC	CDV186621A	X	
421	2186622	DISPLAY 20DC SATURN V	RCA	MSFC	CDV186622A	X	
422	2186623	DISCRETE INPUT TEST CABINET	RCA	MSFC	CDV186623A	X	
423	2186624	SENSE SWITCH TEST	RCA	MSFC	CDV186624A	X	
424	2186625	PROGRAM AND DATA PUNCH	RCA	MSFC	CDV186625A	X	
425	2186626	PROGRAM AND DATA LOADER	RCA	MSFC	CDV186626A	X	
426	2186627	BINARY 2 DECIMAL	RCA	MSFC	CDV186627A	X	
427	2186628	DECIMAL BINARY	RCA	MSFC	CDV186628A	X	
428	2186629	DECIMAL MEMORY DUMP	RCA	MSFC	CDV186629A	X	
429	2186630	OCTAL MEMORY DUMP	RCA	MSFC	CDV186630A	X	
430	2186631	POST MORTUM COMPARE PRINT	RCA	MSFC	CDV186631A	X	
431	2186632	DISPLAY CONSOLE DEBUG PROGRAM	RCA	MSFC	CDV186632A	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
432	2186633	TRACE ROUTINE	RCA	MSFC	CDV186633A	X	
433	2186634	SIN/COS	RCA	MSFC	CDV186634A	X	
434	2186635	SQUARE ROUTE	RCA	MSFC	CDV186635A	X	
435	2186636	EXPONENTIAL (2, e, 10)	RCA	MSFC	CDV186636A	X	
436	2186637	ARCTANGENT	RCA	MSFC	CDV186637A	X	
437	2186638	LOG X (2, e, 10)	RCA	MSFC	CDV186638A	X	
438	2186639	BINARY CODED DECIMAL TO FLOATING POINT BINARY	RCA	MSFC	CDV186639A	X	
439	2186640	FLOATING POINT BINARY TO BCD FLOATING FORMAT	RCA	MSFC	CDV186640A	X	
440	2186641	FLOATING POINT ADD OR SUBTRACT	RCA	MSFC	CDV186641A	X	
441	2186642	FLOATING POINT MULTIPLICATION	RCA	MSFC	CDV186642A	X	
442	2186643	FLOATING POINT DIVIDE	RCA	MSFC	CDV186643A	X	
443	2186644	FLOATING POINT SQUARE ROOT	RCA	MSFC	CDV186644A	X	
444	2186645	FLOATING POINT SIN OR COSINE	RCA	MSFC	CDV186645A	X	
445	2186646	FLOATING POINT ARCTANGENT	RCA	MSFC	CDV186646A	X	
446	2186647	FLOATING POINT COMMON LOGARITHM OR NATURAL LOGARITHM	RCA	MSFC	CDV186647A	X	
447	2186648	FLOATING POINT EXPONENTIAL (EX)	RCA	MSFC	CDV186648A	X	
448	2186649	FLOATING POINT TANGENT OR COTANGENT	RCA	MSFC	CDV186649A	X	
449	2186650	DOUBLE PRECISION DIVIDE	RCA	MSFC	CDV186650A	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
450	2186651	SLAP 2 SYSTEM	RCA	MSFC	CDV186651A	X	
451	CP10A00926A00A	CROSSOVER DIST S-IC AFT (6641)	GENERAL ELECTRIC, HUNTSVILLE	MSFC	CM-004-001-2H		
452	SS9PT001A	SYSTEM SPECIFICATION, PTCS, LC-39	GENERAL ELECTRIC, KSC	KSC			
453	75M13610	SYSTEM ADVANCED SCHEMATICS, PTCS		KSC			
454	68-874-003	ELECTRICAL SYSTEMS HANDBOOK	GENERAL ELECTRIC, KSC	KSC	D2-113113-1		
455	40M14490	IU ESE SCHEMATICS	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
456	40M13604	IU ESE POWER SCHEMATICS	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
457	40M13608	S-IVB POWER ESE SCHEMATIC	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
458	40M13870	S-IVB ESE SYSTEM SCHEMATIC	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
459	40M11259	S-II POWER ESE SCHEMATIC	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
460	40M10590	S-II ESE SYSTEM SCHEMATIC	GENERAL ELECTRIC, HUNTSVILLE	MSFC			

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
461	SDS114934	DEE-6 SYSTEM INTERCONNECT DWG	SCIENTIFIC DATA SYSTEMS	MSFC			
462	SS9HG001A	SYSTEM SPECIFICATION FOR HAZARDOUS GAS DETECTION SYSTEM	GENERAL ELECTRIC, KSC	KSC			
463	INS-24-SP-001	SPEC FOR LC-39 H2 HAZARD MONITORING SYSTEM		KSC	D2-113113-1		
464	66EDV264	DESIGN CRITERIA		KSC IN-MSD-11			
465	75M18767	LC-39 H2 HMS SCHEMATICS	FEDERAL ELECTRIC CORP	KSC			
466	TM474	TECH MANUAL HAZARD MONITORING LC-39; PAD A	FEDERAL ELECTRIC CORP	KSC	D2-113113-1		
467	75M18768	LC-39 H2 HMS INSTALLATION	FEDERAL ELECTRIC CORP	KSC			
468	SS9WB001A	SYSTEM SPEC WIDEBAND TRANSMISSION SYSTEM LC-39	GENERAL ELECTRIC, KSC		D2-113113-1		
469	59K5150000	FUNCTIONAL FLOW DIAGRAM LC-39,W/B					
470	SS9DR001A	SYSTEM SPEC RANGE SAFETY CHECKOUT SYSTEM					
471	MSFC-MAN-040-3	STAGE SYSTEM DESCRIPTION, S-IC-3	BOEING, MICHOUUD	MSFC I-V-S-IC	MSFC-MAN-000	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
472	39K3150000	RANGE SAFETY CHECKOUT SYSTEM FUNCTIONAL DIAGRAM	GENERAL ELECTRIC, KSC	KSC	MSFC-MAN-000		
473	MSFC-MAN-034-3	STAGE MAINTENANCE INFORMATION AND PARTS INDEX S-IC-3	BOEING, MICHOUUD	MSFC R-P&VE-VSM		X	
474	IN-R-ASTR-65-4	AZIMUTH ALIGNMENT SYSTEM FOR THE ST-124-M PLATFORM FOR THE SATURN V VEHICLE	MSFC R-ASTR	MSFC			
475	SDS980074A	DEE-6 SYSTEM TECHNICAL MANUAL	SCIENTIFIC DATA SYSTEMS	MSFC			
476	40M00214	SPECIFICATION FOR DIGITAL EVENTS EVALUATION	MSFC				
477	20M84904	ENVIRONMENTAL CONTROL SYSTEM SCHEMATIC					
478	66-966-0006	SATURN IB/V INSTRUMENT UNIT SYSTEM DESCRIPTION AND COMPONENT DATA	IBM, HUNTSVILLE			X	
479	39K2900000	HOLD DOWN ARMS AND LIFTOFF CONTROL SYSTEM FUNCTIONAL DIAGRAM	GENERAL ELECTRIC, KSC	KSC			
480	75M18751	SYSTEM FUNCTIONAL DIAGRAM Q-BALL COVER RETRACT CONTROL SYSTEMS ELECTRICAL					
481	SS9DE001A	SYSTEM SPECIFICATION FOR 9DE001A, DEE	GENERAL ELECTRIC, KSC	KSC			
482	TM-495	PROGRAM REQUIREMENTS FOR DEE-3 COMPUTERS	KSC	KSC			
483	39K2100000	SYSTEM FUNCTIONAL DIAGRAM, DEE, LC-39	GENERAL ELECTRIC, KSC	KSC			

DOCUMENT REFERENCE LIST

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT							
						YES	NO						
484	SS9PO001A	SYSTEM SPECIFICATION, LC-39 60-HZ POWER SYSTEM	GENERAL ELECTRIC, HUNTSVILLE	MSFC	D2-113113-1								
485	40M13609	LCC AUXILIARY POWER SCHEMATICS											
486	40M13610	ML AUXILIARY POWER SCHEMATICS											
487	63D707311	INDEX FOR ADVANCED ELECTRICAL SCHEMATIC											
488	SS9TC001A	TELEMETRY CHECKOUT SYSTEM	GENERAL ELECTRIC, HUNTSVILLE										
489	40M15020	CROSSOVER DISTRIBUTOR											
490	40M15019	CROSSOVER DISTRIBUTOR	GENERAL ELECTRIC, HUNTSVILLE										
491	SS9WC001A	SYSTEM SPECIFICATION, PERFORMANCE AND DESIGN REQUIREMENTS FOR CEI9WC001A, WCS, LC-39	GENERAL ELECTRIC, KSC										
492	75M12270	CABLE INSTALLATION, INSTRUMENTATION AND COMMUNICATIONS	GENERAL ELECTRIC, HUNTSVILLE										
493	40M15014	CROSSOVER DISTRIBUTOR											
494	64KF-362	LC-39 PAD, WATER SYSTEM ELECTRICAL SCHEMATIC	KSC										
495	SS9TS001A	TIMING AND COUNTDOWN SYSTEM	GENERAL ELECTRIC, KSC		KSC								

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
496	INS 23-C-0006	COUNTDOWN SYSTEM		KSC			
497	39K5200000	TIMING AND COUNTDOWN SYSTEM	GENERAL ELECTRIC, KSC	KSC			
498	SS9FC001A	SYSTEM SPECIFICATION, ABORT ADVISORY SYSTEM	GENERAL ELECTRIC, KSC	KSC	D2-113113-1		
499	63C500872	AAS EQUIPMENT INDEX		KSC			
500	39K3050000	AAS FUNCTIONAL DIAGRAM, LC-39	GENERAL ELECTRIC, KSC	KSC			
501	40M15018	CROSSOVER DISTRIBUTOR	GENERAL ELECTRIC, HUNTSVILLE				
502	CP10A00938A00A	CROSSOVER DISTRIBUTOR ASSEMBLY			CM-004-001-2H		
503	40M15017	CROSSOVER DISTRIBUTOR	GENERAL ELECTRIC, HUNTSVILLE			X	
504	40M15016	CROSSOVER DISTRIBUTOR	GENERAL ELECTRIC, HUNTSVILLE				
505	CP10A00929A00A	CROSSOVER DISTRIBUTOR ASSEMBLY			CM-004-001-2H		
506	40M15015	CROSSOVER DISTRIBUTOR	GENERAL ELECTRIC, HUNTSVILLE				
507	CP10A00925A00A	CROSSOVER DISTRIBUTOR ASSEMBLY S-IC AFT 6640			CM-004-001-2H		

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
508	CP10A00920A00A	CROSSOVER DISTRIBUTOR	GENERAL ELECTRIC, HUNTSVILLE		CM-004-001-2H		
509	40M15013	CROSSOVER DISTRIBUTOR					
510	D5-15401-006	INTEGRATION TEST REQUIREMENTS SPECIFICATION, S-II PNEUMATIC CONSOLE D	BOEING, KSC		D2-113113-1	X	
511	D5-15401-005	INTEGRATION TEST REQUIREMENTS SPECIFICATION, S-II PNEUMATIC CONSOLE C, PHASE I KSC, MILA, LC-39, ML-1	BOEING KSC		D2-113113-1	X	
512	D5-15401-007	INTEGRATION TEST REQUIREMENTS SPECIFICATION, S-II GAS HEAT EXCHANGER	BOEING, KSC		D2-113113-1	X	
513	D5-15401-012	INTEGRATION TEST REQUIREMENTS SPECIFICATION, IU PNEUMATIC GROUND COOLING UNIT MODEL CRG3064, PHASE I, KSC, MILA, LC-39, ML-1	BOEING KSC		D2-113113-1	X	
514	D5-15401-011	INTEGRATION TEST REQUIREMENTS SPECIFICATION, IU PNEUMATIC CONSOLE, PHASE I, KSC, MILA, LC-39, ML-1	BOEING, KSC		D2-113113-1	X	
515	D5-16314	PRE-USE CHECKOUT TEST REQUIREMENTS LC-39, RP-1	BOEING, KSC		D2-113113-1	X	
516	D5-15401-004	INTEGRATION TEST REQUIREMENTS SPECIFICATION, S-II PNEUMATIC CONSOLE B, MODEL NO. S7-41	BOEING, KSC		D2-113113-1	X	
517	D5-15401-003	INTEGRATION TEST REQUIREMENTS SPECIFICATION, S-II PNEUMATIC CONSOLE A, MODEL NO. J7-41, PHASE I, KSC, MILA, LC-39, ML-1	BOEING, KSC		D2-113113-1	X	
518	D5-15401-008	INTEGRATION TEST REQUIREMENTS SPECIFICATION FOR S-IVB GAS HEAT EXCHANGER, MODEL DSV-4B-438A, PHASE I, KSC, MILA, LC-39, ML-1	BOEING, KSC		D2-113113-1	X	

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
519	D5-15401-009	INTEGRATION TEST REQUIREMENTS SPECIFICATION, S-IVB PNEUMATIC CONSOLE, MODEL NO. DSV-4B-432A, PHASE I, KSC, MILA, LC-39, ML-1	BOEING, KSC		D2-113113-1	X	
520	D5-15401-010	INTEGRATION TEST REQUIREMENTS SPECIFICATION, S-IVB PNEUMATIC CONSOLE, MODEL NO. DSV-4B-433A, PHASE I, KSC, MILA, LC-39, ML-1	BOEING, KSC		D2-113113-1	X	
521	D5-15401-013	INTEGRATION TEST REQUIREMENTS SPECIFICATION FOR J-2 ENGINE MOBILE HYDRAULIC SERVICER, MODEL NO. DSV-4B-479, PHASE I, KSC, MILA, LC-39, ML-1	BOEING, KSC		D2-113113-1	X	
522	D5-15401-034	INTEGRATION TEST REQUIREMENTS SPECIFICATION FOR DAMPING SYSTEM, PHASE I, KSC, MILA, AND LC-39	BOEING, KSC		D2-113113-1	X	
523	SS90B001A	TEST OF SATURN V Q-BALL COVER REMOVAL SYSTEM			D2-113113-1	X	
524	30M13707	PNEUMATIC WINCH	P&VE				
525	30M13706	CYLINDER PNEUMATIC DOUBLE ACTING	P&VE				
526	30M13834	LATCH ASSEMBLY	P&VE				
527	11M00882	ARM DAMPER STRUCTURAL ASSEMBLY	P&VE				
528	40M05834	SATURN IC ESE/GROUND SUPPORT HYDRAULIC SYSTEM	GENERAL ELECTRIC				
529	11M00721	CONTROL CONSOLE ASSEMBLY	P&VE				
530	650804517	TRANSDUCER, MOTIONAL	BOEING, HUNTSVILLE				
531	650804000	HYDRAULIC SUPPLY UNIT, S-IC	BOEING, HUNTSVILLE				
532	650803201	MOTOR CONTROL CENTER	BOEING, HUNTSVILLE				
533	650803001	CONSOLE, SYSTEM CHECKOUT	BOEING, HUNTSVILLE				

DOCUMENT REFERENCE LIST

REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
534	1B44001-1	HOSE REEL CART MODEL DSV-4B-477	McDONNELL/ DOUGLAS, HUNTSVILLE				
535	1B44002-1	POWER CABLE REEL CART MODEL DSV-4B-478	McDONNELL/ DOUGLAS, HUNTSVILLE				
536	60B03000	STAGE ASSEMBLY, S-IC STAGE	BOEING, MICHOU	MSFC I-V-S-IC	BOEING-MICHOUD ENGINEERING PARTS RELEASE RECORD	X	
537	V7-00002	GENERAL ASSEMBLY, STAGE	NORTH AMERICAN- ROCKWELL, HUNTSVILLE			X	
538	1A39300		McDONNELL/ DOUGLAS, HUNTSVILLE				
539	10Z22501		IBM, HUNTSVILLE				
540	A3900500	WATER DISTRIBUTION	CATALYTIC/DOW, KSC	KSC DE-FAC		X	
541	CF3904700	GN2 PURGE PAD A	CATALYTIC/DOW, KSC	KSC DE-FAC		X	
542	A3904700	GN2 PURGE PAD A	CATALYTIC/DOW, KSC	KSC DE-FAC		X	
543	40M05832	DEFINITION OF ELECTRICAL INTERFACE SATURN V LVESE/S-IVB VALVE PANELS AND HEAT EXCHANGER	GENERAL ELECTRIC, HUNTSVILLE	MSFC R-P&VE-VOS	MA-004-004-2H		
544	77K01019	LAUNCH COMPLEX 39 FUNCTIONAL INTERFACE RP-1 ELECTRICAL SYSTEM	GENERAL ELECTRIC, KSC			X	
545	77K01017	LOX ELECTRICAL SYSTEM FUNCTIONAL INTERFACE	GENERAL ELECTRIC, KSC			X	
546	77K01022	LH2 ELECTRICAL SYSTEM FUNCTIONAL INTERFACE	GENERAL ELECTRIC, KSC			X	

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REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
547	1B67363	S-IVB STAGE TEST AND CHECKOUT SPECIFICATION AND CRITERIA KSC	McDONNELL/ DOUGLAS, HUNTSVILLE			X	
548	1A70704	STRUCTURAL INSTALLATION INTERSTAGE S-V	McDONNELL/ DOUGLAS, HUNTSVILLE			X	
549	75M04666	RP-1 STORAGE AREA INSTALLATION, PAD A	GENERAL ELECTRIC, KSC			X	
550	75M18758	RP-1 ELECTRICAL SYSTEM FUNCTIONAL DIAGRAM, LC-39	GENERAL ELECTRIC, KSC			X	
551	39K2250000	LH2 ELECTRICAL SYSTEM FUNCTIONAL DIAGRAM, LC-39, SATURN V	GENERAL ELECTRIC, KSC			X	
552	1B33021	SYSTEM ELECTRICAL SCHEMATIC	McDONNELL/ DOUGLAS, HUNTSVILLE			X	
553	75M04668	LOX STORAGE AREA INSTALLATION, PAD A	GENERAL ELECTRIC, KSC			X	
554	39K2150000	LOX ELECTRICAL SYSTEM FUNCTIONAL DIAGRAM, LC-39, SATURN V	GENERAL ELECTRIC, KSC			X	
555	1B63796	SCHEMATIC, S-IVB/V STAGE CHECKOUT AND PNEUMATIC SERVICING	McDONNELL/ DOUGLAS, HUNTSVILLE			X	
556	1B58718	SCHEMATIC, S-IVB/V APS/GSE-KSC	McDONNELL/ DOUGLAS, HUNTSVILLE			X	
557	A3904510	FIRE WATER SYSTEM, LC-39A	CATALYTIC/DOW, KSC			X	

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REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
558	A3904520	INDUSTRIAL WATER SYSTEM, LC-39A	CATALYTIC/DOW, KSC			X	
559	76K00410	ADVANCED ELECTRICAL SCHEMATIC OF Q-BALL COVER REMOVAL SYSTEM	BOEING, KSC	KSC DE-MSD-2		X	
560	75M15390	PNEUMATIC SCHEMATIC OF Q-BALL COVER REMOVAL SYSTEM	BOEING, KSC	KSC DE-MSD-2		X	
561	10A024.9.1			KSC DE-MSD-2		X	
562	40M60323	DRAWING LIST/ASSEMBLY BREAKDOWN, DEE-6 SYSTEM					
563	SDS980176	OPERATION AND MAINTENANCE MANUAL, DEE-6 SYSTEM	SCIENTIFIC DATA SYSTEMS	MSFC			
564	40M18589	DDAS ELECTRICAL SYSTEMS DRAWING	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
565	50M15658	ACCEPTANCE TEST PROCEDURE FOR DDAS	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
566	40M12382	CABLE INTERCONNECT COMPUTER PERIPHERAL EQUIPMENT	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
567	40M14143	CABLE INTERCONNECT DIGITAL EVENTS EVALUATOR 6 SYSTEM	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
568	40M12375	CABLE INTERCONNECT S-IC STAGE	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
569	40M08294	COUNT CLOCK SYSTEM SPECIFICATION	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
570	50M15065	DDAS SYSTEM SPECIFICATION	GENERAL ELECTRIC, HUNTSVILLE	MSFC			

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REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
571	40M15813	ACCEPTANCE TEST PROCEDURE COUNT CLOCK SYSTEM	GENERAL ELECTRIC, HUNTSVILLE	MSFC	CDV186676A	X	
572	50M36400	AESS LCC COMPUTER PERIPHERAL EQUIPMENT	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
573	50M36401	AESS ML COMPUTER PERIPHERAL EQUIPMENT	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
574	50M33644	POWER DISTRIBUTOR	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
575	50M36495	COMPUTER PANEL ASSEMBLY	GENERAL ELECTRIC, HUNTSVILLE	MSFC			
576	2186676	DISCRETE INPUT TEST	RCA	MSFC			
577	SS9PB001A	SPECIAL POWER SYSTEMS	GENERAL ELECTRIC, KSC	KSC			
578	SS9EC001A	ENVIRONMENTAL CONTROL SYSTEM	GENERAL ELECTRIC, KSC	KSC			
579	SS9QB001A	Q-BALL COVER CONTROL SYSTEM	GENERAL ELECTRIC, KSC	KSC			
580	SS9TM001A	TAIL SERVICE MAST CONTROL SYSTEM	GENERAL ELECTRIC, KSC	KSC			
581	SS9FA001A	HOLD DOWN ARM AND LIFTOFF CONTROL SYSTEM	GENERAL ELECTRIC, KSC	KSC			
582	SS9DC001A	PROPELLANT AND GASES DC POWER SYSTEM	GENERAL ELECTRIC, KSC	KSC			

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REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
583	75M05869	COMPLEX 39A, LOX SYSTEM MECHANICAL, SPECIFICATIONS		KSC DE-KEM			
584	77K01016	SERVICE AND ACCESS ARMS FUNCTIONAL INTERFACE	GENERAL ELECTRIC, HUNTSVILLE	KSC			
585	77K01020	TAIL SERVICE MAST FUNCTIONAL INTERFACE	GENERAL ELECTRIC, HUNTSVILLE	KSC			
586	77K01018	HOLD DOWN ARMS FUNCTIONAL INTERFACE	GENERAL ELECTRIC, HUNTSVILLE	KSC			
587	77K01024	Q-BALL COVER CONTROL FUNCTIONAL INTERFACE	GENERAL ELECTRIC, HUNTSVILLE	KSC			
588	40M11692	LVESE/LEAK DETECTION AND PURGE SYSTEM	MSFC R-ASTR-ESS	MSFC	MA-004-001-2H	X	
589	65ICD9784	LEAK DETECTOR SEQUENCER AMPLIFIER RACK C7-56	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
590	65ICD9785	LEAK DETECTOR CONTROL AND MONITORING RACK C7-57	BOEING, HUNTSVILLE	MSFC R-P&VE-VO	MA-004-001-2H	X	
591	40M11697	LVESE/S-IVB APS GSE	MSFC R-ASTR-ESS	MSFC	MA-004-001-2H	X	
592	40M13162						
593	MSFC-MAN-239	TYPE I COUNT CLOCK	GENERAL ELECTRIC, HUNTSVILLE	MSFC	MSFC-MAN-000	X	
594	CP181M0004A	LEAK DETECTOR AMPLIFIER SEQUENCER RACK	NORTH AMERICAN- ROCKWELL, HUNTSVILLE	MSFC	CM-004-001-2H	X	
595	CP181M0005A	LEAK DETECTOR CONTROL AND MONITORING RACK	NORTH AMERICAN- ROCKWELL, HUNTSVILLE	MSFC	CM-004-001-2H	X	

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REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
596	40M05839	LVESE/ST-124M ESE		MSFC R-ASTR-ESS	MA-004-001-2H	X	
597	40M16542	LVESE/AIRBORNE COMMAND SIMULATOR		MSFC R-ASTR-ESS	MA-004-001-2H	X	
598	50M13113	IU COMMAND GSE/LC-39		MSFC R-ASTR-IE	MA-004-001-2H	X	
599	50M22082	ST-124M-3 ESE/IU PIN FUNCTION		MSFC R-ASTR-GSD	MA-004-001-2H	X	
600	40M37543	EDS CHECKOUT SCHEMATICS		MSFC R-ASTR-ESS	MA-004-001-2H	X	
601	75M09830	CONTROL CONSOLE NO. 2	BOEING, KSC	KSC DE-KEM		X	
602	75M08127	ARM ASSEMBLY	BOEING, KSC	KSC DE-KEM		X	
603	75M08126	ARM ASSEMBLY	BOEING, KSC	KSC DE-KEM		X	
604	75M08125	ARM ASSEMBLY	BOEING, KSC	KSC DE-KEM		X	
605	75M08124	ARM ASSEMBLY	BOEING, KSC	KSC DE-KEM		X	
606	75M08122	ARM ASSEMBLY	BOEING, KSC	KSC DE-KEM		X	
607	75M08121	ARM ASSEMBLY	BOEING, KSC	KSC DE-KEM		X	
608	75M08933	CONTROL CONSOLE NO. 1 (S-IC INTERTANK)	BOEING, KSC	KSC DE-KEM		X	
609	75M08934	CONTROL CONSOLE NO. 1 (S-IC FORWARD)	BOEING, KSC	KSC DE-KEM		X	
610	75M08936	CONTROL CONSOLE NO. 1 (S-II INTERMEDIATE)	BOEING, KSC	KSC DE-KEM		X	

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						YES	NO
611	75M08937	CONTROL CONSOLE NO. 1 (S-II FORWARD)	BOEING, KSC	KSC DE-KEM		X	
612	75M08938	CONTROL CONSOLE NO. 1 (S-IVB AFT)	BOEING, KSC	KSC DE-KEM		X	
613	75M09841	FLUID SERVICE SCHEMATIC (S-IC INTERTANK)	BOEING, KSC	KSC DE-KEM		X	
614	75M09842	FLUID SERVICE SCHEMATIC (S-IC FORWARD)	BOEING, KSC	KSC DE-KEM		X	
615	75M09844	FLUID SERVICE SCHEMATIC (S-II INTERMEDIATE)	BOEING, KSC	KSC DE-KEM		X	
616	75M09845	FLUID SERVICE SCHEMATIC (S-II FORWARD)	BOEING, KSC	KSC DE-KEM		X	
617	75M09846	FLUID SERVICE SCHEMATIC (S-IVB AFT)	BOEING, KSC	KSC DE-KEM		X	
618	75M09847	FLUID SERVICE SCHEMATIC (S-IVB FORWARD)	BOEING, KSC	KSC DE-KEM		X	
619	76K02011	HYDRO-PNEUMATIC SCHEMATIC (S-IC INTERTANK)	BOEING, KSC	KSC DE-KEM		X	
620	76K02012	HYDRO-PNEUMATIC SCHEMATIC (S-IC FORWARD)	BOEING, KSC	KSC DE-KEM		X	
621	76K02014	HYDRO-PNEUMATIC SCHEMATIC (S-II INTERMEDIATE)	BOEING, KSC	KSC DE-KEM		X	
622	76K02015	HYDRO-PNEUMATIC SCHEMATIC (S-II FORWARD)	BOEING, KSC	KSC DE-KEM		X	
623	76K02016	HYDRO-PNEUMATIC SCHEMATIC (S-IVB AFT)	BOEING, KSC	KSC DE-KEM		X	
624	76K02017	HYDRO-PNEUMATIC SCHEMATIC (S-IVB FORWARD)	BOEING, KSC	KSC DE-KEM		X	
625	40M17445	SATURN V ESE CABLE INTERCONNECT DIAGRAM	MSFC R-ASTR-GSD	MSFC		X	

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REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
626	1902525	SATURN ST-124M ESE FAMILY TREE	BENDIX, MSFC	MSFC R-ASTR		X	
627	1902489-1	AZIMUTH ENCODER READOUT	BENDIX, MSFC	MSFC R-ASTR		X	
628	1902625	AZIMUTH ENCODER READOUT	BENDIX, MSFC	MSFC R-ASTR		X	
629	1901780-1	ACCELEROMETER LOGIC CONTROL	BENDIX, MSFC	MSFC R-ASTR		X	
630	1902534	ACCELEROMETER LOGIC CONTROL	BENDIX, MSFC	MSFC R-ASTR		X	
631	1901860-1	ACCELEROMETER LOGIC MULTIPLEX	BENDIX, MSFC	MSFC R-ASTR		X	
632	1902535	ACCELEROMETER LOGIC MULTIPLEX	BENDIX, MSFC	MSFC R-ASTR		X	
633	1901863-1	ACCELEROMETER PRINTER	BENDIX, MSFC	MSFC R-ASTR		X	
634	1901823-1	ACCELEROMETER LOGIC DISTRIBUTOR	BENDIX, MSFC	MSFC R-ASTR		X	
635	1901822	ACCELEROMETER LOGIC DISTRIBUTOR	BENDIX, MSFC	MSFC R-ASTR		X	
636	1902490-1	CMR ENCODER READOUT	BENDIX, MSFC	MSFC R-ASTR		X	
637	1902644	CMR ENCODER READOUT	BENDIX, MSFC	MSFC R-ASTR		X	
638	1901740-1	ACCELEROMETER LOGIC COUNTER	BENDIX, MSFC	MSFC R-ASTR		X	
639	1902536	ACCELEROMETER LOGIC COUNTER	BENDIX, MSFC	MSFC R-ASTR		X	

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REF. NO.	DOCUMENT NUMBER	TITLE	RESPONSIBLE AGENCY	APPROVAL AUTHORITY	STATUS INDEX	MAINT	
						YES	NO
640	60B57008	ELECTRICAL SCHEMATIC, S-IC STAGE	BOEING, MICHOU	MSFC I-V-S-IC	BOEING, MICHOU GENERAL PARTS RELEASE RECORD	X	
641	65ICD9772						
642	V7-900150	SYSTEM SCHEMATIC DIAGRAM ENGINE ACTUATION, MECHANICAL, S-II-3	NORTH AMERICAN- ROCKWELL			X	
643	V7-900151	SYSTEM SCHEMATIC DIAGRAM ENGINE SYSTEM, MECHANICAL, S-II-3	NORTH AMERICAN- ROCKWELL			X	
644	77K03442	GE/KSC CABLE/PHYSICAL INTERFACE PAD A HAZARD MONITORING	GENERAL ELECTRIC, KSC	KSC IN		X	
645	76K04660	LC39A H2 HAZARD MONITORING		KSC, IN			
646	76K30178	LC39B H2 HAZARD MONITORING		KSC, IN			
647	76K04391	GH2 HAZARD MONITORING SYSTEM (ML)		KSC, IN			