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TOOLS EVA SUPPORT EQUIPMENT LIST (ESEL)

CR Number: H-0797R5

Prepared By: FAIR, RICHARD H/XA 281-483-1108

STS-106

2A.2B

(OV-104)

Baseline Date: 08/17/2000

Rev: R5

Version: 0

Target: R5

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Shaded columns under EHB Configuration Control

Description	Part Number	Serial Number	SSPISS ISS			ISS			Orbiter Stowage	ISS Stwgt	First Event Del Date	Volume Each Stowed/Usage	Unit Wt	Total Wt	Responsible Engineer	Remarks
			Std Qty	Std Qty	Spec Qty	Log Qty	Tot Up	Tot Down								
INTERIOR Stowage Locations																
1	ADJUSTABLE EQUIPMENT TETHER(EQ-EQ W/SLIDE LOCK)	SEG33106945-307	1001	2	0	0	0	2	2	EMU	07/21/2000	36x3x1	2	4	(EC) SCHWARZ, ROGER	1-EMU1 1-EMU2 S#P
			1002													
2	MODULAR MWS BASEPLATE ASSY	SEG33110490-301	1002	2	0	0	0	2	2	EMU	07/21/2000	5.3x15x5	4.75	9.5	(EC) SCHWARZ, ROGER	1-EMU1 1-EMU2 S#P
			1003													
3	RETRACTABLE EQUIPMENT TETHER(EQ-EQ W/SLIDE LOCK)	SEG33106164-381	1071	2	0	0	0	2	2	EMU	07/21/2000	8.8x3x3	.7	1.4	(EC) SCHWARZ, ROGER	1-EMU1 1-EMU2 S#P
			1072													
4	TETHER, WAIST	SEG33106943-301	1001	4	0	0	0	4	4	EMU	07/21/2000	39.5x3.3x1	3	12	(EC) SCHWARZ, ROGER	2-EMU1 2-EMU2 U:S#P
			1008													
			1018													
			1019													
Weight for													EMU	26.9		
5	12 MM SOCKET	SDG33109235-011	N/A1	0	0	2	0	2	2	MIDDECK	07/21/2000	2.25 x 0.827dia	.3	.6	(EC) SCHWARZ, ROGER	INTGRATD ON DPT ADAPTRS 1-ON #1SCKT CADDY 1-ON #2 SCKT CADDY
			N/A2													
6	3/8-IN DRIVE RATCHET ASSY	SEG33106927-303	1014	0	0	2	0	2	2	MIDDECK	07/21/2000	16.3x4x3.3	2	4	(EC) SCHWARZ, ROGER	S#P
			1015													
7	3/8-IN. RATCHET WITH 7/16-IN. SOCKET	V628-650860-001	102	1	0	0	0	1	1	MIDDECK	07/21/2000	11.9x1.4x1.9	.9	.9	(UF) SCHWARZ, ROGER	IN EVA ACSSY BAG S#P
U 8	ADJUSTABLE EQUIPMENT TETHER(EQ-EQ)	SEG33106945-301		0	0	0	0	0	0	MIDDECK	07/21/2000	36x3x1	2	0	(EC) SCHWARZ, ROGER	FROM NOD104B1
9	ADJUSTABLE EQUIPMENT TETHER(LG-EQ W/SLIDE LOCK)	SEG33106945-309	1004	2	0	0	0	2	0	MIDDECK	07/21/2000	32x3.25x1.7	1.1	2.2	(EC) SCHWARZ, ROGER	RPLC -301 NOD104B1
			1005							NODE1 INT NODE1 INT						

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				Std Qty	Std Qty	Spec Qty	Log Qty	Tot Up	Tot Down								
10	ADJUSTABLE FUSE TETHER	SED39127200-701	1001	0	1	0	0	1	1	MIDDECK		07/21/2000	63.4x12.9x2	2.6	2.6	(EC) MARAK, RALPH	SSP HKS U:S#P
11	AIRLOCK STOWAGE BAG(EMU EQUIPMENT BAG)	SKD13101496-306	1002	1	0	0	0	1	1	MIDDECK		07/21/2000	2x36x14.5	1.7	1.7	(UF) MARAK, RALPH	INBD CORE S#P ER FOR 97
12	BAG, CREWLOCK EVA	SEG33109669-301	1001	0	1	0	0	1	1	MIDDECK		07/21/2000	12x16x18	5.4	5.4	(EC) MARMOLEJO, JOSE	S#P
13	BODY RESTRAINT TETHER(BRT)	SEG33110400-303	1001 1008	0	2	0	0	2	2	MIDDECK		07/21/2000	15x7.5x3.4	7.7	15.4	(EC) NICKEL, GARY	EHF S#P
14	BULB ASSEMBLY(NARROW BULB)	SED39126199-701	N/A1 N/A10	0	2	0	0	2	2	MIDDECK		07/21/2000	.9x.9x1	.1	.2	(EC) NGUYEN, HIEP	
15	CHARGER, BATTERY PACK ASSEMBLY(EHIP CHARGER)	QC-1004-NA	02 04	0	2	0	0	2	2	MIDDECK		07/21/2000	10x3x4	2.8	5.6	(EP) NGUYEN, HIEP	U:S#
16	CHEATER BAR	SEG33106926-301	1003	0	0	1	0	1	1	MIDDECK		07/21/2000	2.3x13x22	2.1	2.1	(EC) SCHWARZ, ROGER	
17	CHECS: EGGSERCIZER	SDD33111962-001	1001	0	0	0	1	1	0	MIDDECK	NODE1 INT	07/21/2000	1.5x2.8x3	.2	.2	DUVAL, LORA E	ALL CHECS STOWED IN 1 BAG
18	CHECS: FINGER EXERCISER	SDD33111963-001	1001	0	0	0	1	1	0	MIDDECK	NODE1 INT	07/21/2000	5.8x7.4x.5	.2	.2	DUVAL, LORA E	ALL CHECS STOWED IN 1 BAG
19	CHECS: FOAM BALL - GREEN	SDD33111961-003	1005	0	0	0	1	1	0	MIDDECK	NODE1 INT	07/21/2000	3 x 2	.2	.2	DUVAL, LORA E	ALL CHECS STOWED IN 1 BAG
20	CHECS: FOAM BALL - YELLOW	SDD33111961-001	1001	0	0	0	1	1	0	MIDDECK	NODE1 INT	07/21/2000	3 x 2	.2	.2	DUVAL, LORA E	ALL CHECS STOWED IN 1 BAG
21	CHECS: GRIP MASTER	SDD33111967-001	1001	0	0	0	1	1	0	MIDDECK	NODE1 INT	07/21/2000	3.6x.9x3	.2	.2	DUVAL, LORA E	ALL CHECS STOWED IN 1 BAG

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			Std Qty	Std Qty	Spec Qty	Log Qty	Tot Up	Tot Down								
22 CHECS: GRIP STRENGTH DINOMOMETER	SDD33111968-001	1002	0	0	0	1	1	0	MIDDECK	NODE1 INT	07/21/2000	4x3x1	1.1	1.1	DUVAL, LORA E	ALL CHECS STOWED IN 1 BAG
23 CHECS: PINCH GAGE	SDD33111965-001	1001	0	0	0	1	1	0	MIDDECK	NODE1 INT	07/21/2000	2x1x1	.6	.6	DUVAL, LORA E	ALL CHECS STOWED IN 1 BAG
24 CHECS: POWER STICK	SDD33111966-001	1001	0	0	0	1	1	0	MIDDECK	NODE1 INT	07/21/2000	17 x 2	4.6	4.6	DUVAL, LORA E	ALL CHECS STOWED IN 1 BAG
25 CHECS: POWER WEB	SDD33111964-001	1001	0	0	0	1	1	0	MIDDECK	NODE1 INT	07/21/2000	5.5 x .2	.8	.8	DUVAL, LORA E	ALL CHECS STOWED IN 1 BAG
26 CONNECTOR CLEANER TOOL	CCT8128-N/A	301	0	1	0	0	1	1	MIDDECK		07/21/2000	6x3x11	.8	.8	(EC) MARAK, RALPH	IN CCT KIT S#P
27 CONNECTOR CLEANER TOOL CADDY	SEG33111707-301	1003	0	1	0	0	1	1	MIDDECK		07/21/2000	2x4.8x7.4	1.1	1.1	(EC) MARAK, RALPH	IN CCT KIT S#P
28 CONNECTOR CLEANER TOOL KIT	SJG33111630-301	1001	0	1	0	0	1	1	MIDDECK		07/21/2000			0	(EC) MARAK, RALPH	KIT = CADDY, TOOL & CARTRIDGES S#P
29 CONNECTOR CLEANER TOOL PROPELLANT CARTRIDGE	SDG33111831-001	N/A10 N/A11	0	2	0	0	2	2	MIDDECK		07/21/2000	5.3x1.8x1.8	.3	.6	(EC) MARAK, RALPH	IN CCT KIT
U 30 CREW HOOK LOCK ASSY	SEG33111616-305	1016 1019 1020 1027 1028 1033	0	0	2	4	6	2	MIDDECK	NODE1 INT NODE1 INT NODE1 INT NODE1 INT	07/21/2000	2x3x2	.5	3	(EC) SCHWARZ, ROGER	U: EVA UNITS INTEGRATED ON SAFETY TETHERS W/ VECTRAN CORD NOD104B1

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			Std Qty	Std Qty	Spec Qty	Log Qty	Tot Up	Tot Down								
31 DROP PROOF TETHER ADAPTER	SEG33106947-301	1013 1016	2	0	0	0	2	2	MIDDECK	07/21/2000	3.1x1x.8	.3	.6	(EC) SCHWARZ, ROGER	INTGRATD ON 12MM SCKTS 1-ON #1SCKT CADDY 1-ON #2 SCKT CADDY S#P	
32 EHIP BATTERY PACK ASSY	SEG39130223-302	1001 1006 1014 1015 1017 1019	6	0	0	0	6	6	MIDDECK	07/21/2000	4.5x3.5x2.8	2.5	15	(EC) NGUYEN, HIEP	3-INBD CORE 3-OTBD CORE S#P	
33 EHIP/PGT CABLE	PGT-1001-	03 05 06	0	3	0	0	3	3	MIDDECK	07/21/2000	2 ft long	.5	1.5	(EC) NGUYEN, HIEP	U:S#	
34 EVA ACCESSORY BAG	10108-10081-01	1003	1	0	0	0	1	1	MIDDECK	07/21/2000	.8x18.6x18.8	.7	.7	(UF) MARAK, RALPH	IN OTBD CORE, BAG STOWS: GP CADDIES, ADJ WRENCH, 3/8RATCHET W/ 7/16SCKT S#P	
35 EVA ADJUSTABLE WRENCH	V628-650892-004	106	1	0	0	0	1	1	MIDDECK	07/21/2000	10x1.25x.75	1	1	(UF) SCHWARZ, ROGER	IN EVA ACSSRY BAG S#P	
36 EVA HELMET INTERCHANGEABLE PORTABLE (EHIP) LIGHT	SEG39130226-303	1003 1006	2	0	0	0	2	2	MIDDECK	07/21/2000	17.3x10.3x5	9.1	18.2	(EC) NGUYEN, HIEP	1-INBD CORE 1-OTBD CORE S#P ER FOR 4A	
37 GENERAL PURPOSE TOOL CADDY(GP TOOL CADDY)	SED33104089-301	1007 1008	1	1	0	0	2	2	MIDDECK	07/21/2000	2x4.8x7.4	1.1	2.2	(UF) SCHWARZ, ROGER	IN OTBD CORE S#P	
I 38 HYDRAZINE DETECTION SYSTEM(DRAEGER)	SED39116311-301	1001	0	0	1	0	1	1	MIDDECK	07/21/2000	3x9.5x7.5	1.1	1.1	(UF) MARAK, RALPH	I: REMANIFEST PER HARBAUGH	

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					Std Qty	Std Qty	Spec Qty	Log Qty	Tot Up	Tot Down								
		HYDRAZINE DETECTION TUBE(MMH DRAEGER TUBE)	SED39117159-301	N/A N/A1 N/A10 N/A11 N/A12 N/A13 N/A14 N/A15 N/A16 N/A17 N/A18 N/A19	0	0	12	0	12	12	MIDDECK		07/21/2000	4.8x7.3x.4	.1	1.2	(UF) MARAK, RALPH	I: REMANIFEST PER HARBAUGH
		HYDRAZINE DETECTION TUBE(N204 DRAEGER TUBE)	SED39117159-302	N/A N/A1 N/A10 N/A11 N/A12 N/A13	0	0	6	0	6	6	MIDDECK		07/21/2000	4.8x7.3x.4	.1	.6	(UF) MARAK, RALPH	I: REMANIFEST PER HARBAUGH
		HYDRAZINE REMOVAL CARTRIDGE(ATCO CANISTER)	MC621-0008-0060-N/A	00003	0	1	0	0	1	1	MIDDECK		07/21/2000	11.3 x 6.7 in. diam.	6.7	6.7	ROTTER, HENRY	
		MODULAR MINI-WORKSTATION KEY STRAP ASSEMBLY	SEG33110812-301	1003	0	1	0	0	1	1	MIDDECK		07/21/2000	1x1x3	1	1	(EC) NICKEL, GARY	S#P
		MODULAR MWS GIMBAL ASSY.	SEG33110493-301	1001 1002	2	0	0	0	2	2	MIDDECK		07/21/2000	8.5x15x11	9	18	(EC) SCHWARZ, ROGER	S#P/CK
		MODULAR MWS RH SWINGARM ASSY.	SEG33110491-303	1004 1005	2	0	0	0	2	2	MIDDECK		07/21/2000	7.3x9.3x3.5	2.5	5	(EC) SCHWARZ, ROGER	S#P/CK

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45 ORLAN TETHER ADAPTER	SEG33112324-301		0	0	0	2	2	0	MIDDECK		07/21/2000	9x8x9	5.7	11.4	(EC) NICKEL, GARY	PART OF OTA ASSY NOD104B1
		1006							NODE1 INT							
		1007							NODE1 INT							
46 ORLAN TETHER ADAPTER ASSY	SEG33112326-301		0	0	0	2	2	0	MIDDECK		07/21/2000			0	(EC) NICKEL, GARY	ASSY = OTA, INTRFC BLK & TETHER EXT S#P NOD104B1
		1006							NODE1 INT							
		1007							NODE1 INT							
47 OTA INTERFACE BLOCK	SEG33112325-301		0	0	0	2	2	0	MIDDECK		07/21/2000	5x2x.8	.4	.8	(EC) NICKEL, GARY	PART OF OTA ASSY S#P NOD104B1
		1006							NODE1 INT							
		1007							NODE1 INT							
48 PGT BATTERY	SEG33110979-301		0	3	0	0	3	3	MIDDECK		07/21/2000	7x4x2.6	2.5	7.5	(UF) NGUYEN, HIEP	S#P
		1001														
		1002														
		1004														
49 PGT BATTERY JUMPER CONNECTOR	SEG33111621-301		0	2	0	0	2	2	MIDDECK		07/21/2000	1x1x1	.1	.2	(UF) NGUYEN, HIEP	
		N/A														
		N/A1														
50 PGT PROGRAM CABLE RS422	GC1557007-002		0	1	0	0	1	1	MIDDECK		07/21/2000	48 in. long	.4	.4	(UF) NICKEL, GARY	S#P
51 PGT/EHIP Y-POWER CHARGER CABLE	SED39134852-301		0	2	0	0	2	2	MIDDECK		07/21/2000	6 FT. LONG	.7	1.4	(EP) NGUYEN, HIEP	U:S#
		1005														
		1006														
52 PISTOL GRIP TOOL (ISS POWER TOOL)	GE1557000-N/A		0	2	0	0	2	2	MIDDECK		07/21/2000	15x14.2x5.3	10.7	21.4	(UF) NICKEL, GARY	S#P
		1007														
		1008														
U 53 RETRACTABLE EQUIPMENT TETHER(EQ-EQ/PIP RET)	SEG33106164-353		0	0	0	0	0	0	MIDDECK		07/21/2000	6.5x3x3	.7	0	(EC) SCHWARZ, ROGER	FROM NOD104B1

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54	RETRACTABLE EQUIPMENT TETHER(LG-EQ RET)	SEG33106164-355		0	0	0	0	0	0	MIDDECK		07/21/2000	5.3x1.8x5.3	1.1	0	(EC) SCHWARZ, ROGER	FROM NOD104B1
55	RETRACTABLE EQUIPMENT TETHER(LG-LG RET)	SEG33106164-365	1060 1061	0	0	2	0	2	2	MIDDECK		07/21/2000	12.8x2.3x3.3	1.5	3	(EC) SCHWARZ, ROGER	S#P
56	RETRACTABLE EQUIPMENT TETHER(EQ-EQ W/SLIDE LOCK)	SEG33106164-381	1170 1171 1172 1173	0	0	4	0	4	4	MIDDECK		07/21/2000	8.8x3x3	.7	2.8	(EC) SCHWARZ, ROGER	
57	RETRACTABLE EQUIPMENT TETHER(EQ-EQ/PIP W/SLIDE LOCK)	SEG33106164-383	1054 1058	0	2	0	0	2	0	MIDDECK	NODE1 INT NODE1 INT	07/21/2000	6.5x3x3	.7	1.4	(EC) SCHWARZ, ROGER	REPLC -353 NOD104B1 U:S#P
58	RETRACTABLE EQUIPMENT TETHER(LG-EQ RET W/ SLIDER LOCK)	SEG33106164-385	1175 1176	2	0	0	0	2	0	MIDDECK	NODE1 INT NODE1 INT	07/21/2000	5.3x1.8x5.3	1.1	2.2	(EC) SCHWARZ, ROGER	REPLC -355 NOD104B1
59	RIGHT ANGLE DRIVE	SEG33106925-301	1004	0	0	1	0	1	1	MIDDECK		07/21/2000	2.1x10.8x2.3	2.5	2.5	(EC) SCHWARZ, ROGER	S#P
60	SAFER(SIMPLIFIED AID FOR EVA RESCUE)	SED33105900-307	1003 1005	0	2	0	0	2	2	MIDDECK		07/21/2000	28x14x16	72.1	144.2	(ER) LEWIS, KEVIN	ER FOR 4A U:S#
61	SAFER INHIBIT PLUG AND TOOL ASSEMBLY	SED33106185-303	1003 1005 1007	0	2	1	0	3	3	MIDDECK		07/21/2000	3x3x.325	.1	.3	(ER) LEWIS, KEVIN	WEIGHT IN SAFER U:S#
62	SAFER IVA BATTERY ASSEMBLY	SED33105907-305	1024 1025 1026	0	3	0	0	3	3	MIDDECK		07/21/2000	19.9x3x1.8	3.8	11.4	(ER) LEWIS, KEVIN	WEIGHT NOT IN SAFER

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			Std Qty	Std Qty	Spec Qty	Log Qty	Tot Up	Tot Down								
92 1/2-IN. BOX SOCKET WRENCH	V628-650885-004	106	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	12.5x1.3x.75		0	(UF) SCHWARZ, ROGER	IN CADDY-022 S#(STS-101)	
93 1/4-IN. HEX, RADIATOR EXTENSION	V628-650896-004	104	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	19.7x5.5x1.1		0	(UF) SCHWARZ, ROGER	IN CADDY-015 S#(STS-101)	
94 3 POINT LATCH TOOL	SED33101327-313	1004 1008	2	0	0	0	2	2	PORT TSA (HW)	06/02/2000	4.4x11.4x11.9	8.8	17.6	(UF) SCHWARZ, ROGER	S#(STS-101)	
95 3 POINT LATCH TOOL STOWAGE BAG	V633-669300-033	HF4-391	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	5.1x13.4x17.8	2.4	2.4	(UF) SCHWARZ, ROGER	S#(STS-101)	
96 3/8 IN. RATCHET, 4 IN. EXTENSION, 7/16 IN. SOCKET	V628-650860-003	104	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	12x1.3x1.75		0	(UF) SCHWARZ, ROGER	IN CADDY-016 S#(STS-101)	
97 3/8-IN. DRIVE RATCHET	V628-650881-004	104	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	11.5x1x1.5		0	(UF) SCHWARZ, ROGER	IN CADDY-015 S#(STS-101)	
98 ADJUSTABLE EQUIPMENT TETHER(SM-SM)	SED33104175-301	1003 1004	2	0	0	0	2	2	PORT TSA (HW)	06/02/2000	5.5x3x2	1	2	(UF) SCHWARZ, ROGER	S#(STS-101)	
99 ADJUSTABLE THERMAL MITTEN	0106-811540-003	014 015	2	0	0	0	2	2	PORT TSA (HW)	06/02/2000	1.3x8x7.8	.2	.4	(UF) SAUSER, B.	T.O. INSTALLS ON GP CADDY S#(STS-101)	
100 ADJUSTABLE THERMAL MITTEN	0106-811540-004	014 015	2	0	0	0	2	2	PORT TSA (HW)	06/02/2000	1x8.4x8.5	.2	.4	(UF) SAUSER, B.	T.O. INSTALLS ON GP CADDY S#(STS-101)	
101 BOLT PULLER	V628-650880-009	105	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	10x1.1x4.1		0	(UF) SCHWARZ, ROGER	IN CADDY-018 S#(STS-101)	
102 BOLT PULLER/WISE GRIP PLIERS TOOL CADDY	V632-669200-018	105	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	2.4x11.6x4.5	3.1	3.1	(UF) SCHWARZ, ROGER	S#(STS-101)	
103 CENTERLINE LATCH TOOL	SED33101621-305	1005 1006	2	0	0	0	2	2	PORT TSA (HW)	06/02/2000	2.5x19.6x7.3	11.4	22.8	(UF) SCHWARZ, ROGER	S#(STS-101)	

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Prepared By: FAIR, RICHARD H/XA 281-483-1108

STS-106

2A.2B

(OV-104)

Baseline Date: 08/17/2000

Rev: R5

Version: 0

Target: R5

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ID	Description	Part Number	Serial Number	SSPISS ISS			ISS			Orbiter Stowage	ISS Stwgt	First Event Del Date	Volume Each Stowed/Usage	Unit Wt	Total Wt	Responsible Engineer	Remarks
				Std Qty	Std Qty	Spec Qty	Log Qty	Tot Up	Tot Down								
104	CENTERLINE LATCH TOOL BAG	V633-669310-037	HF3-0214	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	7.6x6.1x19.3	2.7	2.7	(UF) SCHWARZ, ROGER	S#(STS-101)	
105	CHISEL-LONG PROBE	V628-650879-005	106	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	11x1.25x.75		0	(UF) SCHWARZ, ROGER	IN CADDY-017 S#(STS-101)	
106	COMPOUND CUTTER(SMALL CUTTER)	SED33104404-305	1013	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	10.3x4.2x.8	0	0	(UF) SCHWARZ, ROGER	IN CADDY-025 S#(STS-101)	
107	COMPOUND CUTTER/NEEDLE NOSE PLIERS TOOL CADDY	V632-669200-025	104	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	2.6x10.4x5	2.6	2.6	(UF) SCHWARZ, ROGER	S#(STS-101)	
108	E.T. UMBILICAL DOOR TOOL	SED39118691-301	1003	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	1.6x3.3x14.1	1.6	1.6	(UF) SCHWARZ, ROGER	S#(STS-101)	
109	EVA ADJUSTABLE WRENCH	V628-650892-005	105	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	10.8x.8x2.6	1	1	(UF) SCHWARZ, ROGER	IN CADDY-016 S#(STS-101)	
110	EVA ADJUSTABLE WRENCH/4-IN RATCHET EXTENSION TOOL CADDY	V632-669200-016	104	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	2.5x11.9x4.9	1.9	1.9	(UF) SCHWARZ, ROGER	S#(STS-101)	
111	EVA FORCEPS	V628-650877-001	101	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	9.9x5.6x1.44		0	(UF) SCHWARZ, ROGER	IN CADDY-014 S#(STS-101)	
112	EVA TRASH BAG	10165-10065-03	1013 1014	2	0	0	0	2	2	PORT TSA (HW)	06/02/2000	10x4.8x3	.4	.8	(UF) SCHWARZ, ROGER	S#(STS-101)	
113	GENERAL PURPOSE CUTTER ASSY	SED33107611-301	1001	1	0	0	0	1	1	PORT TSA (HW)	06/06/2000	2x17.3x4.4	4	4	(EC) SCHWARZ, ROGER	S#(STS-101)	
114	GENERAL PURPOSE TOOL CADDY(GP TOOL CADDY)	SED33104089-301	1005 1014	2	0	0	0	2	2	PORT TSA (HW)	06/02/2000	2x4.8x7.4	1.1	2.2	(UF) SCHWARZ, ROGER	T.O. INSTALLS MITTENS S#(STS-101)	
115	HAMMER	V628-650875-007	102	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	11x3.9x1.75		0	(UF) SCHWARZ, ROGER	IN CADDY-017 S#(STS-101)	
116	HAMMER/CHISEL LONG PROBE TOOL CADDY	V632-669200-017	106	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	2.5x14.6x4.5	3.7	3.7	(UF) SCHWARZ, ROGER	S#(STS-101)	

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(OV-104)

Baseline Date: 08/17/2000

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Description	Part Number	Serial Number	SSPISS ISS			ISS			Orbiter Stowage	ISS Stwgt	First Event Del Date	Volume Each Stowed/Usage	Unit Wt	Total Wt	Responsible Engineer	Remarks
			Std Qty	Std Qty	Spec Qty	Log Qty	Tot Up	Tot Down								
117 LOOP PIN EXTRACTOR PULLER	V628-650998-001	111	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	10x4x1.6		0	(UF) SCHWARZ, ROGER	IN CADDY-013 S#(STS-101)	
118 MPM RATCHET WRENCH	SDD33102355-001	1001	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	13.5x.5x2.4	1.2	1.2	(UF) SCHWARZ, ROGER	S#(STS-101)	
119 NEEDLE NOSE PLIERS	SEG33106921-301	1008	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	8.9x1.5x2.7	.75	.75	(UF) SCHWARZ, ROGER	IN CADDY-025 S#(STS-101)	
120 PAYLOAD RETENTION DEVICE (PRD)	10163-10063-03	1010 1011	2	0	0	0	2	2	PORT TSA (HW)	06/02/2000	12.5x4.9x4.5	5.7	11.4	(UF) SCHWARZ, ROGER	S#(STS-101)	
121 PDU DISC/LOOP PIN PULLER TOOL CADDY	V632-669200-013	106	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	2.4x10x4.4	2.4	2.4	(UF) SCHWARZ, ROGER	S#(STS-101)	
122 PDU DISCONNECT TOOL	V628-651001-001	106	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	7.8x1.4x.75		0	(UF) SCHWARZ, ROGER	IN CADDY-013 S#(STS-101)	
123 PRY BAR	V628-650990-006	101	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	17.4x1.24x1		0	(UF) SCHWARZ, ROGER	IN CADDY-014 S#(STS-101)	
124 PRYBAR/EVA FORCEPS TOOL CADDY	V632-669200-014	101	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	2.5x17.4x6	4.3	4.3	(UF) SCHWARZ, ROGER	S#(STS-101)	
125 RADIATOR EXTENSION/DRIVE RATCHET TOOL CADDY	V632-669200-015	104	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	2.3x19.5x4.9	2.9	2.9	(UF) SCHWARZ, ROGER	S#(STS-101)	
126 RMS SHOULDER BRACE RELEASE HAND TOOL	71140E271-3	305	1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	13.1x1.3x2.9	1.2	1.2	(UF) SCHWARZ, ROGER	S#(STS-101)	
127 SNATCH BLOCK	SED33102357-303	1015 1016	2	0	0	0	2	2	PORT TSA (HW)	06/02/2000	1.8x2.4x8.8	1.6	3.2	(UF) MARAK, RALPH	S#(STS-101)	

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Rev: R5 Version: 0 Target: R5 BASELINE COPY

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Description	Part Number	Serial Number	SSPISS ISS			ISS			Orbiter Stowage	ISS Stwgt	First Event Del Date	Volume Each Stowed/Usage	Unit Wt	Total Wt	Responsible Engineer	Remarks
			Std Qty	Std Qty	Spec Qty	Log Qty	Tot Up	Tot Down								
128 TOOL CADDY	10153-10053-03		5	0	0	0	5	5	PORT TSA (HW)	06/06/2000			0	(UF) SCHWARZ, ROGER	IN CADDY -014 THRU -017 & -025 S#(STS-101)	
		1003														
		1030														
		5005														
		5013														
		5017														
129 TOOL CADDY-STANDARD	SED33104394-301		3	0	0	0	3	3	PORT TSA (HW)	06/02/2000	10x1.25x.75		0	(UF) SCHWARZ, ROGER	IN CADDY -013, -018 & -022 S#(STS-101)	
		1011														
		1012														
		1018														
130 TUBE CUTTER	SED33101368-301		1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	2.1x3.5x11.8	1.6	1.6	(UF) SCHWARZ, ROGER	S#(STS-101)	
		1007														
131 VELCRO/TAPE CADDY	SED33104207-301		1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	2.4x7.1x5.1	1.2	1.2	(UF) SCHWARZ, ROGER	S#(STS-101)	
		1009														
132 VISE GRIP PLIERS	V628-650876-004		1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	10.1x2.5x2.5		0	(UF) SCHWARZ, ROGER	IN CADDY-018 S#(STS-101)	
		101														
133 WINCH HOOK ADAPTER(RMS ROPE REEL)	SED33102348-303		1	0	0	0	1	1	PORT TSA (HW)	06/02/2000	8x11.8x10.8	7.9	7.9	(UF) MARAK, RALPH	S#(STS-101)	
		1004														
Weight for											PORT TSA (HW)		109.15			
134 RETRACTABLE EQUIPMENT TETHER(LG-LG RET)	SEG33106164-365		0	0	4	0	4	4	SHOSS	06/06/2000	12.8x2.3x3.3	1.5	6	(EC) SCHWARZ, ROGER	S#P	
		1062														
		1063														
		1064														
		1076														
Weight for											SHOSS		6			
135 BULKHEAD PFR T.O.	M072-661568-025		0	0	0	0	0	0	TECH ORDER	06/06/2000			0		PFR INSTLD	
136 PFR SILL STACK T.O.(B2 STBD FULL)	M072-340074-013		0	0	0	0	0	0	TECH ORDER	06/06/2000			0		FULL B2 STBD	
137 PFR SILL STACK T.O.	M072-340074-021		0	0	0	0	0	0	TECH ORDER	06/06/2000			0		1/2 B2 PORT	
138 PORT HEAVY TSA INSTALLATION T.O.	M072-660849-003	N/A	1	0	0	0	1	1	TECH ORDER	06/06/2000		120	120			

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			Std Qty	Std Qty	Spec Qty	Log Qty	Tot Up	Tot Down								
139 PORT HEAVY TSA TOOLS INSTALLTION T.O.	M072-661849-006		0	0	0	0	0	0	TECH ORDER	06/06/2000			0			
140 SLIDE WIRE T.O.(LONG)	M072-544700-013		0	0	0	0	0	0	TECH ORDER	06/06/2000			0			
141 TETHER ROUTING - INSTALL CREW HOOK LOCKS ASSY AT SLIDEWIRE	M072-661618-005		0	0	0	0	0	0	TECH ORDER	06/06/2000			0			
142 TETHER ROUTING - INSTALL TETHER CONTAINER ON TUNNEL ADAPTER	M072-661618-002		0	0	0	0	0	0	TECH ORDER	06/06/2000			0			
143 TETHERS ROUTED FROM BAY 3 TUNNEL ADAPTER TO PORT & STBD SLIDEWIRES	M072-661618-007		0	0	0	0	0	0	TECH ORDER	06/06/2000			0			

Weight for TECH ORDER 120
 Total For EXTERIOR 334.75
 Total For XA Responsible Hardware 809.75

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Description	Part Number	Serial Number	SSPISS Qty	ISS Std Qty	ISS Spec Qty	ISS Log Qty	ISS Tot Up	ISS Tot Down	Orbiter Stowage	ISS Stwgt	First Event Del Date	Volume Each Stowed/Usage	Unit Wt	Total Wt	Responsible Engineer	Remarks	
144	LOADED CARTRIDGE BELT(W/ WIRE TIES)	17KC.2063-0-	N/A1	0	0	0	1	1	0	MIDDECK	FGB	07/21/2000			0	FULCHER, CHUCK J	HOLDS NIPPERS & TIGHTENING KNOBS
145	NIPPERS(DINO CUTTERS)	17KC.B9626-0-	N/A1	0	0	0	1	1	0	MIDDECK	FGB	07/21/2000			0	FULCHER, CHUCK J	IN CARTRIDGE BELT
146	RATCHET WRENCH	17KC B9307-220-	N/A1 N/A2	0	0	2	0	2	2	MIDDECK		07/21/2000	849.51 cu.cm.	.8	1.6	FULCHER, CHUCK J	EACH WITH A SOCKET EXTENSION
147	SOCKET EXTENSION LONG	17KC.B9307-270-	N/A1	0	0	1	0	1	1	MIDDECK		07/21/2000			0	FULCHER, CHUCK J	ON RATCHET WRENCH
148	SOCKET EXTENSION SHORT	17KC.B9307-260-	N/A1	0	0	1	0	1	1	MIDDECK		07/21/2000			0	FULCHER, CHUCK J	ON RATCHET WRENCH
149	TIGHTENING KNOBS	17KC.B9307-350-	N/A1 N/A2 N/A3	0	0	0	3	3	0	MIDDECK	FGB FGB FGB	07/21/2000			0	FULCHER, CHUCK J	IN CARTRIDGE BELT
Weight for													MIDDECK	1.6			
150	AXIS(ONA LAUNCH RESTRAINT RELEASE PIN)	17KC.30010.9215-0-	N/A1	0	0	1	0	1	1	SPACEHAB		07/21/2000			0	FULCHER, CHUCK J	IN TOOL KIT #10
151	CCC JUMPER(COILED USING THREE U.S. WIRE TIES)	1J00125-1	N/A	0	0	0	1	1	0	SPACEHAB	FGB INT	07/21/2000			0		
152	EVA TOOL KIT #10	SEG48101834-301-	N/A1	0	0	1	0	1	1	SPACEHAB		07/21/2000			0	FULCHER, CHUCK J	INCLUDES LOCK WRENCH, ROTATION WRENCH, RELEASE PIN & MANDREL
153	MANDREL (TARGET RELEASE)	17KC.B9603-70A-	N/A1 N/A2	0	0	2	0	2	2	SPACEHAB		07/21/2000			0	FULCHER, CHUCK J	IN TOOL KIT #10
154	ONA LOCK WRENCH	17KC.B9300-560-	N/A1	0	0	1	0	1	1	SPACEHAB		07/21/2000			0	FULCHER, CHUCK J	IN TOOL KIT #10

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155 ONA MANUAL ROTATION WRENCH	17KC.B9300-550-	N/A1	0	0	1	0	1	1	SPACEHAB		07/21/2000			0	FULCHER, CHUCK J	IN TOOL KIT #10
156 P6 SECONDARY FEEDBACK JUMPER(COILED USING THREE U.S. WIRE TIES)	1J00128-1	N/A	0	0	0	1	1	0	SPACEHAB	FGB INT	07/21/2000			0		
157 RACU JUMPER CABLE, CHAN 1/4(COILED USING THREE U.S. WIRE TIES)	1J00126-1	N/A	0	0	0	1	1	0	SPACEHAB	FGB INT	07/21/2000			0		
158 RACU JUMPER CABLE, CHAN 2/3(COILED WITH OTHER RACU CABLE)	1J00127-1	N/A	0	0	0	1	1	0	SPACEHAB	FGB INT	07/21/2000			0		

Weight for Total For SPACEHAB INTERIOR 0 1.6

EXTERIOR Stowage Locations

159 BUNGEEES	17KC.30010.1001-290-	N/A1 N/A2	0	0	2	0	2	2	SHOSS		06/06/2000			0	FULCHER, CHUCK J	
160 CABLE CLAMPS	17KC.30010.1001-190-	N/A1 N/A2 N/A3 N/A4 N/A5 N/A6 N/A7 N/A8 N/A9	0	0	9	0	9	0	SHOSS	SM EXT SM EXT SM EXT SM EXT SM EXT SM EXT SM EXT SM EXT	06/06/2000			0	FULCHER, CHUCK J	
161 MAGNETOMETER COVER	17KCM.3830-300-	N/A1	0	0	0	0	0	1	SHOSS		06/06/2000			0	FULCHER, CHUCK J	

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			Std Qty	Std Qty	Spec Qty	Log Qty	Tot Up	Tot Down								
162 MAGNETOMETER PFR	17KC.30010.1570-0-	N/A1	0	0	1	0	1	0	SHOSS		06/06/2000			0	FULCHER, CHUCK J	
									SM EXT							
163 MAGNETOMETER POLE	17KCM.2001-0-	N/A1	0	0	1	0	1	0	SHOSS		06/06/2000			0	FULCHER, CHUCK J	
									SM EXT							
164 POWER CABLES AND CABLE REEL	17KC.30010.1001-400-	N/A1	0	0	1	0	1	1	SHOSS		06/06/2000			0	FULCHER, CHUCK J	
165 RUSSIAN ADJUSTABLE TETHER	17KC.B9351-1100-	N/A1	0	0	1	0	1	0	SHOSS		06/06/2000			0	FULCHER, CHUCK J	
									SM EXT							
166 RUSSIAN EQUIPMENT TETHERS	17KC.B9351-900-	N/A1	0	0	1	0	1	0	SHOSS		06/06/2000			0	FULCHER, CHUCK J	
									SM EXT							
167 TRANSIT CABLE AND SEAT LINER	17KC.30010.1001-270-	N/A1	0	0	1	0	1	1	SHOSS		06/06/2000			0	FULCHER, CHUCK J	
168 TV-SUBK CABLES AND CABLE REEL	17KC.30010.1001-1000-	N/A1	0	0	1	0	1	1	SHOSS		06/06/2000			0	FULCHER, CHUCK J	

Weight for	SHOSS	0
Total For	EXTERIOR	0
Total For	Russian/PG Hardware	1.6
	Total Wt	811.35