NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS 77058

IN REPLY REFER TO: PF3-0/660

JUN 1 7 1968

TO : See list attached

FROM : PF3/Manager, GFE Office

SUBJECT: Spacecraft 101 Stowage List (Apollo 7)

Enclosed is a copy of the Spacecraft 101 Stowage List, Revision D, dated June 10, 1968, for your information and use, as applicable.

For further information concerning the enclosed document, contact PF3/James W. Thompson, 713-483-5411.

James W. Thompson

Enclosure

PF3:JWThompson(DAGoulding-Boeing):gc 6-17-68

INDEXING DATA

DATE	OPR	#	T	PGM	SUBJECT	SIGNATOR	LOC
06-17-68	MSC	PF3-0/660	M	APO	(Above)	J. THMPSN	022-53

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

CONTRACT CHANGE AUTHORIZATION

JC221

IN REPLY REFER TO:

Date: June 11, 1968

Contract No.: NAS 9- 50

CCA No.: 2387

Master Serial No.: 150-4253

North American Rockwell Corp.
Space Division
Downey, California

Gentlemen:

Pursuant to the provisions of the clause of the above numbered contract entitled "CHANGES" and other applicable provisions of said contract, you are hereby directed to proceed with the implementation of the changes specified herein and the preparation of a firm contract change proposal.

The Contractor shall provide stowage for and shall stow in the designated CSM the spacecraft crew equipment listed in Revision D of the CSM 101 Stowage List, dated June 10, 1968. This revision incorporates the information previously released in SLCN's 1C, 2C, and 3C. The attached list supersedes Revision "C" of the 101 Stowage List, dated March 4, 1968.

The Contractor will attempt to stow the equipment on the stowage list in the locations designated on a nonimpact basis. In the event a modification of the CSM vehicle is required for compliance or the schedule impacted, the NASA/MSC will be notified and the change negotiated.

Except as hereby modified, all terms, covenants and conditions of said contract as heretofore modified or amended shall remain in full force and effect.

THE UNITED STATES OF AMERICA

By Jack Fuller
Jack Fuller
Contracting Officer

CCBD 8C788A Dtd 6-11-68

CM 101 STOWAGE LIST

LIST A - CM 101 LAUNCH STOWAGE LIST

REVISION D

JUNE 10, 1968

For information, contact ASPO, GFE Office
James W. Thompson, HU 3-5411

SECTION I -- STOWED OPERATIONAL GFE REV. D

ITEM	NOMENCLATURE	PART NUMBER	REV	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG
101	16 MM SEQ CAMERA	SEB33100021 -214	D	1.96 NO MAG	1 1	VOLUME B8 VOLUME B3	YES
102	16 MM FILM MAG	SEB33100022 -208	D	.49 WITH FILM	12	8 IN VOLUME B8 4 IN VOLUME B3	YES
103	18 MM LENS	SEB33100023 -202	B	.56	1	VOLUME B3	YES
104	POWER CABLE	SEB33100026 -205	D	.23	1	VOLUME B3	YES
105	MIRROR RT ANGLE 16 MM CAMERA	SEB33100051 -204	D	.16	1	VOLUME B3	NO
106	70 MM HASSELBLAD CAMERA	SEB33100029 -205 OR -206	D	1.9 NO MAG	1	VOLUME B3	YES
107	70 MM FILM MAG	SEB33100030 -209 OR -210 OR -211 OR -212	D	.76 WITH FILM	6	1 IN VOLUME B3 5 IN VOLUME R13	YES
108	RING SIGHT	SEB33100031 -204	D	.08	1	VOLUME B3	NO
109	SPOTMETER	SEB33100028 -204	D	.94	1	VOLUME B3	YES
110	PILOTS' PREFERENCE KIT	SEB12100018 -202	D	0.5	3	VOLUME A8	NO
111	HAZE FILTER	SEB33100050 -201	B	.05	1	VOLUME B3	NO

ITEM	NOMENCLATURE	PART NUMBER	REV	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG
112	5 MM LENS AND COVER	SEB33100056 -205	D	.68	1	VOLUME B3	YES
113	70 MM FILM MAG (CASSETTE TYPE)	SEB33100068 -203	D	1.59 WITH FILM	1	VOLUME R13	YES
114	RED FILTER	SEB33100050 -204	B	.05	1	VOLUME B3	NO
115	FLIGHT DATA FILE ASSY	SEB32100069 -201	D	** 15			NO
	CDR CKLIST	SKB32100027 -201			1	Volume R2	
	CMP CKLIST	SKB32100028 -201			1	Volume R1	
	LMP CKLIST	SKB32100029 -201			1	Volume R2	
	FLT. PLAN, VOL. I	SKB32100030 -201			1	Volume R2	
	FLT. PLAN, VOL. II	SKB32100031 -201			1	Volume R2	
	LANDMARK MAPS, VOL. I	SKB32100032 -201			1	Volume R3	
	LANDMARK MAPS, VOL. II	SKB32100033 -201			1	Volume R3	
	LANDMARK PHOTOGRAPHS	SKB32100035 -201			1	Volume R3	
	LUNAR LANDMARK MAPS	SKB32100034 -201			1	Volume R3	
	SYSTEM DATA	SKB32100036 -201			1	Volume R12	

** ESTIMATED WEIGHT

ITEM	NOMENCLATURE	PART NUMBER	REV	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG
	MALFUNCTION PROCEDURES	SKB32100037 -201			1	Volume R12	
	CHARTS & GRAPHS	SKB32100038 -201			1	Volume R12	
	CSM RENDEZVOUS	SKB32100039 -201			1	Volume R3	
	CREW LOG	SKB32100040 -201	D		2	1 in Volume R3 1 in Volume R12	
	PROCEDURES	SKB32100041 -201			1	Volume R1	
	UPDATES	SKB32100042 -201			1	Volume R2	
	PHOTO LOG	SKB32100043 -201			1	Volume R2	
	MERCATOR STAR CHART	SKB32100054 -201			1	Volume R2	
	POLAR STAR CHART	SKB32100056 -201			1	Volume R2	
	ORBITAL MAP	SKB32100058 -201			1	Volume R3	
116	TAPE	SEB12100050 -201	C	.88	1	VOLUME R5	NO
117	INFLIGHT EXERCISER	SEB33100186 -202	D	1.2**	1	VOLUME A1	NO
118 thru 123	INTENTIONALLY LEFT BLANK						

** ESTIMATED WEIGHT

ITEM	NOMENCLATURE	PART NUMBER	REV	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOC
124	MEDICAL ACCESSORIES KIT	SEB42100082 -202	D	** 2.5	1 QTY PER KIT	VOLUME B2	YES
	PAIN INJECTOR	RMK 108	C		3		
	MOTION SICKNESS INJECTOR	RMK 109	C		3		
	COMPRESS BND	RMK116			2		
	BANDAID	RMK 115			12		
	SKIN CREAM	RMK 114			1		
	ANTIBIOTIC OINTMENT	RMK 112			1		
	PAIN PILL	RMK 104			12		
	STIMULANT PILL	RMK 103			12		
	ANTIBIOTIC PILL	RMK 101			24		
	MOTION SICKNESS PILL	RMK 102			24		
	DIARRHEA PILL	RMK 106			24		
	DECONGESTANT PILL	RMK 105			24		
	ASPIRIN	RMK 107			72		
	EYEDROP	RMK 122			2		
	MEDICAL ACCESSORIES KIT RUCKSACK	SEB42100100 -201	C		1		
	ELECTRODE ASSEMBLY	SEB42100101 -201	C		4		
	ELECTRODE BAG	SEB42100102 -201	C		1		
	ELECTRODE COVER MICROPORE DISC	SB-AE-005408 -201	C		12		
	ELECTRODE PASTE	SEB42100014 -201	C		1		

** ESTIMATED WEIGHT

ITEM	NOMENCLATURE	PART NUMBER	REV	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG
124	(continued)				QTY PER KIT		
	ELECTRODE ATTACHMENT ASSY.	SEB42100035 -201	C		12		
	THERMOMETER	SEB42100028 -201	B		1		
	PH PAPER DISPENSER ASSY	SEB42100096 -201	C		1		
	UCTA ROLL-ON CUFF	14-283-5	B		6		
125	FLAG KIT	SEB12100067 -301	D	2.2	1	Volume R10	
126	ITEM DELETED		C				
126A	SURVIVAL RUCKSACK KIT NO. 1	SEB40100151 -201	C	TBD	1 QTY PER KIT	VOLUME R4	YES
	COMBINATION SURVIVAL LITE ASSY.	20538			2		
	DESALTER KIT TABLETS	SEB40100021 -001			8		
	DESALTER KIT PROCESS BAG	SEB40100021 -002			2		
	MENDING TAPE	SEB40100154 -201	C		1		
	SUN LOTION	RMK113			2		
	MACHETE SHEATH	SEB40100134 -201	C		1		
	MACHETE	SEB40100004 -202	C		1		
	H_2O CONTAINER	SDB40100062 -203	C		2		
	H_2O CONTAINER	SDB40100063 -203	C		1		

ITEM	NOMENCLATURE	PART NUMBER	REV	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	I
126A	(continued)				QTY PER KIT		
	SUNGLASSES	SEB40100020 -202	C		3		
	RADIO/BEACON ASSY.	2588218			1		
	RADIO/BEACON SPARE BATTERY	2588254			1		
	RADIO/BEACON S/C CONNECTOR	SEB40100176 -201	C		1		
	SURVIVAL RUCKSACK NO. 1	SEB40100156 -201	C		1		
126B	SURVIVAL RUCKSACK KIT NO. 2	SEB40100152 -201	C	TBD	1 QTY PER KIT	VOLUME R4	YES
	LIFE RAFT 3 MAN	SEB40100060 -201			1		
	LIFE RAFT, INFLAT. ASSY.	SEB40100064 -202	C		1		
	SEA ANCHOR	SEB40100035 -201			1		
	SEA MARKER DYE KIT	SEB40100005 -201			2		
	SUNBONNET	SEB40100002 -202	C		3		
	LANYARD, MANLINE	SEB40100066 -201 -202	C		2 1		

ITEM	NOMENCLATURE	PART NUMBER	REV	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG
126B	(continued)				QTY PER KIT		
	LANYARD, MOORING	SEB40100065 -201			1		
	PAD CO_2 INFLAT. SYS.	SEB40100064 -202	C		2		
	SURVIVAL RUCKSACK NO. 2	SEB40100157 -201	C		1		
127	WATER METERING DISPENSER	14-0104-03	C	** 1.2	1	LHFEB	YES
128	TISSUE DISPENSER	SEB42100086 -203	D	** 1.2	6	VOLUME A1	NO
129	C/M UTILITY TOWEL ASSY	SEB42100079		**			
	RED	-204	D	.8	1	VOLUME A1	NO
	WHITE	-205	D	.8	1	VOLUME A1	NO
	BLUE	-206	D	.8	1	VOLUME A1	NO
130	HELMET STOWAGE BAG	SEB13100077	D	.33	3	VOLUME R8	NO
	LEFT	-203					
	CENTER	-204					
	RIGHT	-205					
131	EMU MAINTENANCE KIT	A6L-503000 -03	D	.4	1	VOLUME A8	YES
132	CONSTANT WEAR GARMENT	SEB13100061 -205	D	.8	3	VOLUME A8	NO
133	O_2 MASK AND HOSE	651-400-04 -05	D	** 4.0	2 1	UNDER EMERG O_2 REPRESS ON AFT BHD	YES
134	DEW POINT HYGROMETER SENSOR	EC32003-1	B	.14	1	VOLUME R13	YES
135	SENSOR CABLE	EC32004	B	.53	1	VOLUME R13	YES

** ESTIMATED WEIGHT

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LIST	SECTION	REVISION
A-CM101 LAUNCH STOWAGE LIST	I - STOWED OPERATIONAL GFE	D

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REV
136	DEW POINT HYGROMETER CONTROL UNIT	EC32005	1.35	1	VOLUME R13	YES	B
137	INFLIGHT COVERALL	SEB13100062 -204	3.00**	3	VOLUME A8	NO	D
	JACKET ASSY	-701					
	TROUSER ASSY	-702					
	BOOT (R.H.)	-703					
	BOOT (L.H.)	-704					
138	SPACECRAFT CABIN ANALYZER	510-0800-001	3.5**	1	INSTALLED ON RH GIRTH RING FOR LAUNCH. STOWED IN VOLUME A8 AFTER LAUNCH.	YES	C
139	PENLIGHTS	ACR-FA-5	.34	5	VOLUME A1	YES	D
140	CLAMP ASSY	14-149-01	.01	3	IN PGA CONTAINERS	NO	B
142	ITEM DELETED						C
143	ITEM DELETED						C
144	PGA GAS CONNECTOR PLUG	A7L-101006	.10**		INCLUDED IN PGA BAG POCKET		D
	RED	-04		3			
	BLUE	-03		4			
145	URINE TRANSFER SYSTEM	14-0133-01	1.04	3	TBD R11		D
146	UTS RECEIVER ASSY (SPARES)	14-0205-01	TBD	1	TBD R11		D
147	ROLL-ON-CUFF STOWAGE BAG ASSY	SEB42100112					D
		-201 Red	TBD	1	R11		
		-202 White	TBD	1			
		-203 Blue	TBD	1			
150	DOSIMETER, PERSONAL RADIATION	SEB16100703 -201	.38	1	VOLUME A8	YES	C
151	ITEM DELETED						D
152	ITEM DELETED						D

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LIST	SECTION	REVISION
A-CM101 LAUNCH STOWAGE LIST	I - STOWED OPERATIONAL GFE	D

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REV
152A	ITEM DELETED						D
152B	ITEM DELETED						D
153	ITEM DELETED					NO	C
154	FOOD AND HYGIENE ITEMS	14-0122	26.9**	1	VOLUME B1	YES	C
154A	SCREWS (CFE)	NAS1101C3H-6		2	VOLUME B1		D
154B	WASHERS (CFE)	2W1AL13-20-25		2	VOLUME B1		D
155	FOOD PACKAGE	14-0123	27.6**	1	VOLUME L3	YES	C
155A	BOLTS (CFE)	NAS 501-3-6		2	VOLUME L3		D
155B	SPACERS (CFE)	NAS 43DD3-16		2	VOLUME L3		D
155C	WASHERS (CFE)	2W1AL13-18-30		2	VOLUME L3		D
156	LIGHTWEIGHT HEADSET	C-0072-2	.50	3	VOLUME A8	YES	D
156A	UNIVERSAL EAR PIECE AND TUBE	TBD	TBD	3	STOWED IN ICG	NO	D
157	CAMERA, TV	1769491-501		1	VOLUME A7	YES	D
158	ITEM DELETED						D
159	TELEPHOTO LENS	1769492-1		1	VOLUME A7	YES	D
160	WIDE ANGLE LENS (160°)	1964925-1		1	VOLUME A7	YES	D

DATE	STOWAGE LIST	Page 10 of 21
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LIST	SECTION	REVISION
A-CM101 LAUNCH STOWAGE LIST	III - CREW APPAREL	D

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REV
301	PRESSURE GARMENT ASSY	A7L-100000 -01		3 QTY PER PGA	ON CREW FOR LAUNCH. STOWED IN FLT. UNDER CTR COUCH IN PGA CONTAINERS		D
	(EV PGA)		47.36**	2	ONE ON LMP AND ONE ON CMR		D
	(IV PGA)		35.61**	1 QTY PER PGA	ON CMP		D
	TORSO LIMB SUIT	A7L-100001		1			C
	HELMET	A7L-102003		1			C
	I.V. GLOVES	A7L-103000		1 PR			C
	COMMUNICATION CARRIER	10625G		1			D
	DONNING LANYARD	A6L-101068		2			C
	REMOVABLE POCKETS	TBD		2			C
	FEEDPORT COVER	A6L-102006		1			C
	NECK DAM	TBD		1			C
	PGA GAS CONNECTOR PLUG (BLUE) (RED)	A7L-101006 -03 -04			2(1 BLUE, 1 RED) IN CDR PGA 1(RED) IN LMP PGA		 D D
	TORSO HARNESS	A7L-101038-04		1			D
	BIOMED HARNESS	A7L-101054-03		1			D
302	CONSTANT WEAR GARMENT	SEB13100061 -205	.80	3	ON CREW	YES	D
303	PENLIGHTS	ACR FA- 5	.34	3	ON PGA	YES	D
304	UCTA	14-0108-02	.43	3	ON CREW	YES	B

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LIST	SECTION	REVISION
A-CM101 LAUNCH STOWAGE LIST	III - CREW APPAREL	D

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REV
305	SCISSORS	SDB42100059 -202	.53	3	ON PGA	NO	B
306	BIOINSTRUMENTATION ASSY	SEB42100083 -301	.90	3	ON CREW	YES	D
	AXILLARY HARNESS	SHB-42100051 -201		3			
	STERNAL HARNESS	SHB-42100063 -202		3			D
	ELECTRODES	102761		12			C
	IMPEDENCE PNEUMOGRAPH SIGNAL CONDITIONER	104230 OR 103080		3			D
	EKG SIGNAL CONDITIONER	104220 OR 103070		3			D
	DC-DC CONVERTER POWER SUPPLY	104240 OR 103110 OR 104840		3			D
307	DUAL LIFE VEST	SEB40100165 -201	1.83	3	ON CREW-STOWED IN PGA CONTAINERS	YES	C
308	SUNGLASSES	SEB12100033 -001 OR -201	.06	3	IN SUNGLASSES POUCH	NO	C
309	SUNGLASSES POUCH	SEB12100034 -203	.05	3	ON PGA	NO	D
310	CHRONOGRAPH	SEB12100039 -001 OR -002	.13	3	ON WATCHBAND	YES	B
311	WATCHBAND	SEB12100030 -208	.02	3	ON CREW OR PGA	NO	D
312	DATA RECORDING PENS	SEB12100051 -204	.05	6	ON CREW	NO	D
313	DOSIMETER, PASSIVE RADIATION	SEB12100045 -201	.013	12	IN CWG POCKETS	YES	C
314	TOOL E (REF. ITEM 407)	V36-601405		1	CMP PGA POCKET	NO	D

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LIST	SECTION	REVISION
A-CM101 LAUNCH STOWAGE LIST	III-CREW APPAREL	D

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REV
315	BIO BELT ASSY	SEB13100084 -201	.50	3	ON CREW	YES	D

MSC Form 1108B (Jan 68)

ITEM	NOMENCLATURE	PART NUMBER	REV	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG
401	CONTAINER, PGA	V36-601010 -201	D	1.5**	1	ON AFT BLKHD. UNDER CENTER COUCH	
402	CONTAINER, TEMPORARY STOWAGE	V36-601015 -51	D	.5	3	VOLUME U3	
404	SHADE, RENDEZVOUS	V36-770036	D	.3		ON EMERG. O_2 REPRESS SYSTEM	
	LEFT	-1			1		
	RIGHT	-12			1		
405	SHADE-SIDE	V36-770034	D	.3		ON EMERG. O_2 REPRESS SYSTEM	
	LEFT	-1			1		
	RIGHT	-2			1		
406	SHADE, HATCH	V36-770032	D		1	ON EMERG. O_2 REPRESS SYSTEM	
406A	WINDOW SHADE BAG	V36-785011	D		1	ON EMERG O_2 REPRESS SYSTEM	
407	TOOL SET ASSY.	V36-601135-61	C	TBD	1 QTY PER KIT	VOLUME A1	
	EMERGENCY WRENCH -TOOL B	V36-601400	B		1		
	TETHER	V36-601311	B		1		
	HANDLE ADAPTER	V36-601405	D		1		
	-TOOL E				1	CMP PGA (REF. ITEM 314)	
	END WRENCH -TOOL F	V36-601415	B		1		
	POUCH	V36-601416	B		1		
	TABS, TOOL	V16-601482	C		5		
	TORQUE SET DRIVER -TOOL R	V16-601531	B		1		

** ESTIMATED WEIGHT

ITEM	NOMENCLATURE	PART NUMBER	REV	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG
408	BOX SANITATION SUPPLY STWG - AFT	V36-601219 -31	B	1.3	1	VOLUME R10	
408A	BOX SANITATION SUPPLY STWG - FWD	V36-601218 -31	D	.7	1	VOLUME R10	
409	SUPPLY, SANITATION ASSY - WMS	V36-601419	D	.14	3 QTY PER ASSY	VOLUME R10	
	BAG, INNER FECAL	V16-601378-21	C		1		
	BAG, OUTER FECAL	ME901-0736 -0003	C		1		
	POUCH, GERMICIDE FECAL	ME393-0001 -0003	C		1		
	WRAPPER	V36-601419-3	C		1		
409A	SUPPLY SANITATION ASSY WMS	V36-601398 -101	D	TBD	30 QTY PER ASSY		
	BAG, INNER FECAL				1		
	BAG, OUTER FECAL				1		
	POUCH GERMICIDE FECAL				1		
	WRAPPER				1		
	WET WIPE				1		
410	ITEM DELETED		C				
411	CWG T ADAPTER	V36-715103	D	1.0	4	VOLUME A8	
411A	CONTAINER, CWG T ADAPTER	V36-788016	D		4	VOLUME A8	
412	CONTROL HEAD CREWMAN COMMUNICATION	V36-715100	C	1.0**	4	3 ON CCU CABLE 1 IN VOLUME L2	

** ESTIMATED WEIGHT

ITEM	NOMENCLATURE	PART NUMBER	REV	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG
412A	CONTAINER, CCU CONTROL HEAD	V36-758878 -111	C		1	VOLUME L2	
413	MOUNT, ROTATIONAL	V36-334560	B	5.5**	1	ON VOLUME A6	
414	ITEM DELETED		D				
415	ITEM DELETED		D				
415A	ITEM DELETED		D				
416	ITEM DELETED		D				
417	CONTAINER ASSY., FLIGHT DATA FILE (VOLUME RI2)	V36-331092 -201	C	1.5	1	VOLUME R3	
418	PUMP, SEA WATER	V36-611820	C	1.0**	1	VOLUME A8	
419	CREWMAN OPTICAL ALIGNMENT SIGHT (LESS BULB)	ME331-0017 -0082	C	1.0	1	ABOVE LH WINDOW	
420	LIGHT BULB, COAS	434-0097-002 OR B50258-1	D	.02	2	VOLUME U3	
421	RESTRAINT CREWMAN SLEEPING, ASSY	V36-601012	C	2.5			
	LEFT	-111			1	CORNER OF UPPER EQUIPMENT	
	RIGHT	-211			1	BAY AND AFT BKHD.	
422	CANISTER - FECAL	V16-601418 -431	C	2.0	1	ATTACH - VOLUME A6	

** ESTIMATED WEIGHT

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REV
423	ITEM DELETED						D
423A	URINE HOSE ASSY	V16-601421 -711	TBD	1	AFT BULKHEAD UNDER VOLUME A6		D
423B	URINE HOSE ASSY CONTAINER	V36-787024	TBD	1	AFT BULKHEAD UNDER VOLUME A6		D
424	ABSORBER CO_2	ME901-0218 -0031	4.7	22	4 EA. IN VOLS. A2, A3, A6, B5, B6 2 IN ECU		C
425	SHIM, CO_2 ABSORBER	V16-613205 -3	.01	20	IN CO_2 ABSORBER STOWAGE CONTAINER AS REQUIRED		B
426	DELETED						D
426A	CONTAINER, CHLORINATION AMPULES	V36-758880		1 1	VOLUME B7 VOLUME R6		D
426B	KNOB CHLORINATION SYRINGE	V36-610338		1	VOLUME B4		D
426C	CASING, CHLORINATION SYRINGE	V36-610320		1	VOLUME B4		D
426D	NEEDLE, CHLORINATION SYRINGE	V36-610307 -11		1	VOLUME B4		D
426E	CONTAINER, CHLORINATION AMPULES AND SYRINGE	V36-758860 -131		1	VOLUME B4		D
426F	AMPULE, BUFFER	F01-610347 -11		3 3 4	VOLUME R6 VOLUME B4 VOLUME B7		D
426G	AMPULE, CHLORINATION	F01-610347		3 4 3	VOLUME B4 VOLUME R6 VOLUME B7		D

DATE	STOWAGE LIST	Page 17 of 21

LIST	SECTION	REVISION
CM 101	IV - STOWED OPERATIONAL CFE	D

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REV
427	BRKT, SEQ. CAMERA	V36-752001		1	VOLUME A8		C
428	UMBILICAL CABLE - CREWMAN COMMUNICATION	V36-715101					D
	LEFT	-51	2.5**	1	ON LOWER MDC-LHFEB		
	CENTER	-61	2.5**	1	ON LOWER MDC-LHFEB		
	RIGHT	-71	2.8**	1	ON LOWER MDC-LHFEB		
	SPARE	-81	2.8**	1	IN VOLUME L2		
429	UMBILICAL, OXYGEN	V36-601206					D
	LEFT	-51	5.3	1	ON LOWER MDC-LHFEB		
	CENTER	-61	5.3	1			
	RIGHT	-71	8.2	1			

ITEM	NOMENCLATURE	PART NUMBER	REV	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOC
430	ITEM DELETED		C				
431	PAD, ASSY, COUCH BACK	V36-601325	D			ON COUCH	
	LEFT	-11			1		
	RIGHT	-12			1		
	CENTER	V36-601326 -11	D		1		
432	ITEM DELETED		C				
433	ITEM DELETED		C				
434	PAD, HEADREST SUPPORT	V36-601328 -11	D		3	ON COUCHES	
435	ITEM DELETED		C				
436	ITEM DELETED		C				
437	ITEM DELETED		C				
438	ITEM DELETED		C				
439	PLV DUCT	V36-611818-21	D		2	VOLUME A1	
		V36-611818-31	D		1	VOLUME A1	
439A	CONTAINER, PLV DUCT	V36-758854	C		1	VOLUME A1	
440	ITEM DELETED		C				
441	CONTAINER A1	V36-758865 -11	C		1	VOLUME A1	

ITEM	NOMENCLATURE	PART NUMBER	REV	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOC
442	CONTAINER A2	V16-331090 -101	B	7.9**	1	VOLUME A2	
443	CONTAINER A3	V36-331003 -511	C	6.2**	1	VOLUME A3	
444	CONTAINER A6	V36-331003 -561	D	6.2**	1	VOLUME A6	
445	CONTAINER A7	V36-787026	D		1	VOLUME A7	
446	CONTAINER A8	V36-758867 -11	C		1	VOLUME A8	
447	CONTAINER B3	V36-334064	B		1	VOLUME B3	
448	CONTAINER B4	V36-334068	B		1	VOLUME B4	
449	CONTAINER B5	V36-331091	B		1	VOLUME B5	
450	CONTAINER B6	V36-331091	B		1	VOLUME B6	
451	ITEM DELETED		C				
452	ITEM DELETED		C				
453	ITEM DELETED		C				
454	ITEM DELETED		C				
455	ITEM DELETED		D				

** ESTIMATED WEIGHT

ITEM	NOMENCLATURE	PART NUMBER	REV	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG
456	CUSHION, VOLUME B3	V36-758851 -31	C		1	VOLUME B3	
457	CUSHION, VOLUME B8	V36-758853 -31	C		1	VOLUME B8	
458	ITEM DELETED		C				
459	COUPLING ASSY., PGA OXYGEN UMBILICAL INTERCONNECT	ME273-0076 -0001	C		3	VOLUME A8	
459A	CONTAINER, OXYGEN INTERCONNECT	V36-758861	C		1	VOLUME A8	
460	EXTINGUISHER, FIRE	ME280-0010 -0003	D	7.5	1	ON VOLUME A3	
461	FILTER ASSY, QD GAS AND LIQUID - WMS	V36-612547	D		2	VOLUME R1	
462	ITEM DELETED		C				
463	ITEM DELETED		C				
464	ITEM DELETED		C				
465	ITEM DELETED		C				
466	ITEM DELETED		C				
467	ITEM DELETED		C				

ITEM	NOMENCLATURE	PART NUMBER	REV	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG
468	STRAPS, INFLIGHT RETAINING	V36-758870	D		8	VOLUME R8	
					1	VOLUME B3	
					1	VOLUME A8 (AROUND SNAG LINE)	
469	STRAP, CCU CABLE	V36-758888	C		1	VOLUME L2	
470	SNAG LINE	V36-571025	D		1	VOLUME A8	
471	CONTAINER, SNAG LINE	V36-787019	D		1	VOLUME A1	
472	MOUNTING BRKT., TV CAMERA	V36-715120	D		1	VOLUME A7	
473	ITEM DELETED		D				
474	CONTAINER URINE TRANSFER SYSTEM	V36-782019	D		1	VOLUME R11	
475	CONTAINER, O_2 MASK & HOSE	V36-601234 -21	D		1	UNDER REPRESS SYSTEM ON AFT BULKHEAD	
475A	WASHERS	VSF101554	D		3	UNDER REPRESS SYSTEM ON AFT BULKHEAD	
475B	SCREWS	NAS1100C3-6	D		2	UNDER REPRESS SYSTEM ON AFT BULKHEAD	
475C	NUTS	ME114-0002 -0004	D		2	UNDER REPRESS SYSTEM ON AFT BULKHEAD	
475D	SCREWS	NAS1100C3-8	D		2	UNDER REPRESS SYSTEM ON AFT BULKHEAD	
475E	WASHERS	RD153-1002-0003	D		2	UNDER REPRESS SYSTEM ON AFT BULKHEAD	

DATE	STOWAGE LIST REVISION NOTICE	Page 1 of 10
June 10, 1968	*(This change has been incorporated in Stowage List Rev D.)*	

MODULE	SECTION	SLRN LETTER
CSM 101	I - STOWED OPERATIONAL GFE	D

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REASON FOR CHANGE	LIST EFFECT
	NOTE: INCORPORATED INTO REVISION D THE FOLLOWING STOWAGE LIST CHANGE NOTICE (SLCN'S)							
	SLCN NO. 1C APPROVED 5-2-68		SLCN NO. 2C APPROVED 6-4-68			SLCN NO. 3C APPROVED 6-4-68		
128	TISSUE DISPENSER	SEB42100086 -203			VOLUME A1	NO	PART NO. CHANGE FROM -202 PER CCBD 8E104, APPROVED 4-8-68.	D
130	HELMET STOWAGE BAG LEFT CENTER RIGHT	SEB13100077 -203 -204 -205	.33	 1 1 1	VOLUME R8	NO	PART NO. CHANGE FROM -202 REASON: RECP 8E117 APPROVED BY GFE CCP 6-4-8	D
133	O_2 MASK AND HOSE	651-400-04 -05			UNDER EMERG O_2 REPRESS ON AFT BHD	YES	PART NO. CHANGE FROM -01 AND -02 PER CCBD 8E123 APPROVED 4-23-68.	D
139	PENLIGHTS	ACR FA-5			VOLUME A1	YES	PART NO. CHANGE FROM -4 PER RECP 8C138, APPROVED 2-20-68.	D
154A	SCREWS (CFE)	NAS1101C3H-6		2	VOLUME B1	NO	ITEM ADDED PER NEW STOWAGE REQUIREMENT	
154B	WASHERS (CFE)	2W1AL13-20-15		2	VOLUME B1	NO	ITEM ADDED PER NEW STOWAGE REQUIREMENT	
155A	BOLTS (CFE)	NAS501-3-6		2	VOLUME L3	NO	ITEM ADDED PER NEW STOWAGE REQUIREMENT	
155B	SPACERS (CFE)	NAS43DD3-16		2	VOLUME L3	NO	ITEM ADDED PER NEW STOWAGE REQUIREMENT	

DATE	STOWAGE LIST REVISION NOTICE	Page 2 of 10
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MODULE	SECTION	SLRN LETTER
CSM 101	I - STOWED OPERATIONAL GFE	D

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REASON FOR CHANGE	LIST EFFECT
155C	WASHERS (CFE)	2W1AL13-18-30		2	VOLUME L3	NO	ITEM ADDED PER NEW STOWAGE REQUIREMENT	
156	LIGHTWEIGHT HEADSET	C-0072-2	.50	3	VOLUME A8	NO	ADDITION OF -2 TO PART NUMBER. REASON: NOT AVAILABLE AT TIME OF ORIGINAL RELEASE.	
156A	UNIVERSAL EAR PIECE AND TUBE	TBD					TO MAKE PROVISION FOR SPARE EAR PIECES	
157	TV CAMERA	1769491-501					ADDITION OF DASH NUMBER NOT AVAILABLE AT ORIGINAL RELEASE.	
159	TELEPHOTO LENS	1769492-1					ADDITION OF DASH NUMBER NOT AVAILABLE AT ORIGINAL RELEASE.	
160	WIDE ANGLE LENS (160°)	1964925-1					ADDITION OF DASH NUMBER NOT AVAILABLE AT ORIGINAL RELEASE.	

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DATE	STOWAGE LIST REVISION NOTICE	Page 3 of 10
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MODULE	SECTION	SLRN LETTER
CSM 101	III - CREW APPAREL	D

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REASON FOR CHANGE	LIST EFFECT
302	CONSTANT WEAR GARMENT	SEB13100061 -205					PART NO. CHANGE FROM -202 PER CCBD 8C548, APPROVED 4-15-68.	
303	PENLIGHTS	ACR FA-5					PART NO. CHANGE FROM -4 PER RECP 8C138, APPROVED 2-20-68.	
314	TOOL E (REF. ITEM 407)	V36-601405		1	IN CMP PGA POCKET		STOWAGE LOCATION OF ITEM CHANGED PER DIRECTION FROM CCSR BOARD.	
315	BIO BELT ASSY	SEB13100084 -201	.50	3	ON CREW	YES	ITEM ADDED PER CCBD 8C787 APPROVED 5-28-68.	

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DATE	STOWAGE LIST REVISION NOTICE	Page 4 of 10
June 10, 1968	*(This change has been incorporated in Stowage List Rev D.)*	

MODULE	SECTION	SLRN LETTER
CSM 101	STOWED CFE	D

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REASON FOR CHANGE	LIST EFFECT
401	CONTAINER, PGA	V36-601010 -201					ADDITION OF DASH NO. NOT AVAILABLE AT TIME OF RELEASE.	
402	CONTAINER, TEMPORARY STOWAGE	V36-601015 -51					ADDITION OF DASH NO. NOT AVAILABLE AT TIME OF RELEASE.	
404	SHADE, RENDEZVOUS LEFT	V36-770036 -1		1			DASH NO. CHANGE TO LATEST DESIGN CONFIGURATION WAS -11.	
405	SHADE - SIDE	V36-770034					ADDITION OF DASH NOS. TO P/N. NOT AVAILABLE AT PREVIOUS RELEASE.	
	LEFT	-1		1				
	RIGHT	-2		1				
406	SHADE, HATCH	V36-770032					PART NO. CHANGE TO LATEST DESIGN CONFIGURATION WAS V36-770026	
406A	WINDOW SHADE BAG	V36-785011		1			ITEM ADDED, NEW REQUIREMENT.	
407	HANDLE ADAPTER	V36-601405		1	IN TOOL ASSY KIT			
				1	IN CMP PGA (REF. ITEM 314)		STOWAGE LOCATION OF ITEM CHANGE PER DIRECTION FROM CCSR BOARD.	

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DATE	STOWAGE LIST REVISION NOTICE	Page 5 of 10
June 10, 1968	*(This change has been incorporated in Stowage List Rev D.)*	

MODULE	SECTION	SLRN LETTER
CSM 101	STOWED CFE	D

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REASON FOR CHANGE	LIST EFFECT
408A	BOX SANITATION SUPPLY STOWAGE FWD	V36-601218 -31					PART NO. CHANGE TO LATEST CONFIGURATION WAS V36-601219-31. STRAPS ADDED TO BOX.	
411	CWG T-ADAPTER	V36-715103			VOLUME A8		NOMENCLATURE, PART NO., QUANTITY AND STOWAGE LOCATION CHANGE TO THE LATEST CONFIGURATION. WAS: ADAPTER CABLE CONSTANT WEAR GARMENT CREWMAN COMMUNICATION LOCATION: VOLUME R6, QTY 1; VOLUME R8, QTY 3	
411A	CONTAINER, CWG T-ADAPTER	V36-788016			VOLUME A8		NOMENCLATURE, PART NO., AND STOWAGE LOCATION CHANGE TO THE LATEST CONFIGUATION. WAS: CONTAINER, CWG ELECT. ADAPTER. PART NO: V36-758878-121. LOCATION: VOLUME R6	
414	CLEANER VACUUM	V36-612546 -21	2.6**	1	VOLUME R11		ITEM DELETED	
415	DEBRIS BAG, VACUUM CLEANER	V16-611238 -1	.06	8	VOLUME R10		ITEM DELETED	
415A	DEBRIS BAG	ME192-0046 -0001		1	IN VACUUM CLEANER		ITEM DELETED	

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DATE	STOWAGE LIST REVISION NOTICE	Page 6 of 10
June 10, 1968	(This change has been incorporated in Stowage List Rev D.)	

MODULE	SECTION	SLRN LETTER
CSM 101	STOWED CFE	D

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REASON FOR CHANGE	LIST EFFECT
416	NOZZLE ASSY VACUUM CLEANER	V16-611241 -31	.15	1	VOLUME R11		ITEM DELETED	
420	LIGHT BULB, COAS	434-0097-002 OR B50258-1					ADDED ALTERNATE PART NO.	
423	RECEPTACLE - ASSY. RELIEF TUBE	V16-601421 -501	1.3	1	ON FECAL CANISTER		ITEM DELETED	
423A	URINE HOSE ASSY	V16-601421 -711	TBD	1	AFT BULKHEAD UNDER VOLUME 6		ITEM ADDED PER CCA 2199A APPROVED 5-9-68.	
423B	URINE HOSE ASSY. CONTAINER	V36-787024	TBD	1	AFT BULKHEAD UNDER VOLUME 6		ITEM ADDED PER CCA 2199A APPROVED 5-9-68.	
426	AMPULE CHLORINATION	F01-610295		7	VOLUME B7		ITEM DELETED AND REASSIGNED NEW ITEM NO.	
426A	CONTAINER, CHLORINATION AMPULES	V36-758880		2	1 IN VOLUME B7 1 IN VOLUME R6		TO LOCATE CONTAINER WITH AMPULES	
426B	KNOB CHLORINATION SYRINGE	V36-610338					PART NO. CHANGE TO LATEST CONFIGURATION WAS V36-610291.	
426C	CASING, CHLORINATION SYRINGE	V36-610320					PART NO. CHANGE TO LATEST CONFIGURATION WAS V36-610308.	
426D	NEEDLE, CHLORINATION SYRINGE	V36-610307 -11					ADDITION OF DASH NUMBER. NOT AVAILABLE AT ORIGINAL RELEASE.	

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DATE	STOWAGE LIST REVISION NOTICE	Page 7 of 10
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MODULE	SECTION	SLRN LETTER
CSM 101	STOWED CFE	D

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REASON FOR CHANGE	LIST EFFECT
426E	CONTAINER, CHLORINATION AMPULES AND SYRINGE	V36-758860 -131					PART NO. CHANGE TO LATEST CONFIGURATION WAS -51.	
426F	AMPULE, BUFFER	F01-610347 -11		3	VOLUME R6		ITEM ADDED, NEW REQUIREMENT	
				4	VOLUME B7			
				3	VOLUME B4			
426G	AMPULE, CHLORINATION	F01-610347		4	VOLUME R6		ITEM ADDED, NEW REQUIREMENT	
				3	VOLUME B7			
				3	VOLUME B4			
428	UMBILICAL CABLE - CREWMAN COMMUNICATION	V36-715101					PART NO. CHANGE TO LATEST CONFIGURATION (MATERIALS CHANGE) WAS:	
	LEFT	-51					-11	
	CENTER	-61					-21	
	RIGHT	-71					-31	
	SPARE	-81					-41	
429	UMBILICAL, OXYGEN	V36-601206					PART NO. CHANGE TO THE LATEST CONFIGURATION (MATERIALS CHANGE) WAS V36-601201:	
	LEFT	-51					-81	
	CENTER	-61					-91	
	RIGHT	-71					-101	

DATE	STOWAGE LIST REVISION NOTICE	Page 8 of 10
June 10, 1968	*(This change has been incorporated in Stowage List Rev D.)*	

MODULE	SECTION	SLRN LETTER
CSM 101	STOWED CFE	D

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REASON FOR CHANGE	LIST EFFECT
431	PAD, ASSY, COUCH BACK LEFT RIGHT CENTER	V36-601325 -11 -12 V36-601326 -11					ADDITION OF DASH NO. NOT AVAILABLE AT ORIGINAL RELEASE. (MATERIALS CHANGE)	
434	PAD,HEADSET SUPPORT	V36-601328 -11					ADDITION OF DASH NO. NOT AVAILABLE AT ORIGINAL RELEASE.	
439	PLV DUCT	V36-611818 -21 -31					ADDITION OF DASH NO. NOT AVAILABLE AT ORIGINAL RELEASE. PART NO. CHANGE TO THE LATEST CONFIGURATION WAS -11.	
444	CONTAINER A6	V36-331003 -561					PART NO. CHANGE TO THE LATEST CONFIGURATION WAS -361 (ADDED SNAPS FOR URINE HOSE BAG).	
445	CONTAINER A7	V36-787026					PART NO. CHANGE TO LATEST CONFIGURATION WAS: V36-758879-11	
455	CUSHION, URINE FILTER	V36-758856 -11					ITEM DELETED, NOW INSTALLED	

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DATE	STOWAGE LIST REVISION NOTICE	Page 9 of 10
June 10, 1968	*(This change has been incorporated in Stowage List Rev B.)*	

MODULE	SECTION	SLRN LETTER
CSM 101	STOWED CFE	D

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REASON FOR CHANGE	LIST EFFECT
460	EXTINGUISHER, FIRE	ME280-0010 -0003					PART NO. CHANGE FROM -0001 TO LATEST CONFIGURATION (INDICATES CHANGED CONDITION)	
461	FILTER ASSY. QD GAS AND LIQUID - WMS				VOLUME R1		STOWAGE LOCATION CHANGE, WAS VOLUME A7	
468	STRAP, INFLIGHT RETAINING	V36-758870		8	VOLUME A8		ONE UNIT ADDED TO NEW REQUIREMENT WAS: 8 IN VOLUME R8 AND 1 IN VOLUME B3	
470	SNAG LINE	V36-571025			VOLUME A8		NOMENCLATURE, PART NO. AND STOWAGE LOCATION CHANGED TO THE LATEST CONFIGURATION. WAS: HOOK ASSY. DEPLOYABLE PART NO. V36-571001 LOCATION VOLUME A1.	
471	CONTAINER - SNAG LINE	V36-787019			VOLUME A8		NOMENCLATURE AND PART NO. CHANGE TO THE LATEST CONFIGURATION. WAS: CONTAINER, HOOK ASSY. PART NO. V36-758885 LOCATION VOLUME A1.	

DATE	STOWAGE LIST REVISION NOTICE	Page 10 of 10
June 10, 1968	*(This change has been incorporated in Stowage List Rev D.)*	

MODULE	SECTION	SLRN LETTER
CSM 101	STOWED CFE	D

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REASON FOR CHANGE	LIST EFFECT
474	CONTAINER URINE TRANSFER SYSTEM	V36-782019			VOLUME R11		ITEM ADDED TO **LATEST** CONFIGURATION	
475	CONTAINER, O_2 MASK AND HOSE ASSY	V36-601234 -21			UNDER EMERGENCY REPRESS SYSTEM AFT BULKHEAD		ITEM ADDED TO **LATEST** CONFIGURATION	
475A	WASHERS	VSF101554		3	UNDER EMERGENCY REPRESS SYSTEM AFT BULKHEAD		ITEM ADDED TO LATEST CONFIGURATION	
475B	SCREWS	NAS1100C3-6		2	UNDER EMERGENCY REPRESS SYSTEM AFT BULKHEAD		ITEM ADDED TO LATEST CONFIGURATION	
475C	NUTS	ME114-0002 -0004		2	UNDER EMERGENCY REPRESS SYSTEM AFT BULKHEAD		ITEM ADDED TO LATEST CONFIGURATION	
475D	SCREWS	NAS1100C3-8		2	UNDER EMERGENCY REPRESS SYSTEM AFT BULKHEAD		ITEM ADDED TO LATEST CONFIGURATION	
475E	WASHERS	RD153-1002 -0003		2	UNDER EMERGENCY REPRESS SYSTEM AFT BULKHEAD		ITEM ADDED TO LATEST CONFIGURATION	

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS 77058

CONTRACT CHANGE AUTHORIZATION

JC221

IN REPLY REFER TO:

Date: June 4, 1968

Contract No.: NAS 9-150

CCA No.: 2357

Master Serial No.: 150-4189

North American Rockwell Corp.
Space Division
Downey, California

Gentlemen:

Pursuant to the provisions of the clause of the above numbered contract entitled "CHANGES" and other applicable provisions of said contract, you are hereby directed to proceed with the implementation of the changes specified herein and the preparation of a firm contract change proposal.

The Contractor shall provide stowage for and shall stow in the designated CSM the spacecraft crew equipment listed in the attached Stowage List Change Notices 2C and 3C for CSM 101. This information will update CSM 101 stowage list, revision C, dated March 4, 1968.

The Contractor will attempt to stow the equipment on the stowage list in the locations designated on a nonimpact basis. In the event a modification of the CSM vehicle is required for compliance or the schedule impacted, the NASA-MSC will be notified and the change negotiated.

Except as hereby modified, all terms, covenants, and conditions of said contract as heretofore modified or amended shall remain in full force and effect.

THE UNITED STATES OF AMERICA

By Jack Fuller
Jack Fuller
Contracting Officer

CCBD 80788 Dtd 6-3-68

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA GEN. REG. NO. 27

5010-107

UNITED STATES GOVERNMENT

Memorandum

TO : See Addressee List

DATE: 5-22-68

FROM : PP5/Project Officer, C&SM
Apollo Spacecraft Program Office

SUBJECT: Review and Evaluation Request

TITLE: CM 101 Stowage List

RECP NO: 8C788, ECP NO: N/A

ENCLOSURE: CCBD, RECP, CCA

CSM CCP MEETING DATE: 6-3-68, REQUESTED COMPLETION/RETURN DATE: 5-28-68

REFERENCE:

The attached proposed change is forwarded for your evaluation and recommendations concerning its impact on the program. Please submit in writing your comments on all items applicable to your area of responsibility. A negative report of "No Impact" is expected if you are in no way affected. Send reply to Walt Jaderlund (PD5), Atten: Charles Reavis, phone no. 474-2551, no later than the above listed completion/return date. Your attendance at the scheduled CCP meeting is requested if your area of responsibility is affected.

for R. F. Thompson
R. C. Hood

Addressees:

CF131/D. Grimm
DA2/W. R. Carpentier, M.D.
EB5/W. C. Bradford
FC/A. D. Aldrich
KP/W. D. Wolhart (Information)
PC24/R. Lindeman ~~(w/o NR Letter)~~
PD5/W. Jaderlund (1)
PF3/J. W. Thompson
AR/J. C. French
PA2 (w/o encl.)
/B. Toliver (6) Rm 616
PA/G. M. Low (ECP's only)
EB/H. C. Kyle

CF333/R. E. Heath
PD7/D. R. Segna
5-22-61 am PKS/A. E. Morse — Data fax To KSC
PF/Dr. R. W. Lanzkron
TRW (Information)
EA3/J. B. Lee
PP5/H. Jones
PT/S. H. Simpkinson
PD8/J. Goodman ACTION

RECP NUMBER	REQUEST FOR ENGINEERING CHANGE PROPOSAL	DATE

ORIGINATING ORGANIZATION	REQUESTED ACTION
CSM Project Engineering Division GFE Office, PF3	[x] CCA [ ] ECP

CONTRACT NUMBER	CONTRACTOR	CCA NEED DATE
NAS 9-150	North American Rockwell Corporation	

END ITEM NOMENCLATURE

Command Module 101

CHANGE TITLE

CM 101 Stowage List

DESCRIPTION OF CHANGE

Incorporate the enclosed SLCN 3C in CM 101 Stowage List Rev. C, dated March 4, 1968.

SPECIFICATION CHANGE

SPECIFICATION NUMBER	PAGE NUMBER	PARAGRAPH

CHANGE FROM/TO

The enclosed SLCN 3C updates the CM 101 Stowage List Revision C.

JUSTIFICATION

This list is required to prepare prepackage and stowage drawings and to assist contractor and NASA personnel in support of all spacecraft stowage exercises.

EFFECTIVITY

CM 101 only.

RECP NUMBER	REQUEST FOR ENGINEERING CHANGE PROPOSAL	DATE

EFFECT OF CHANGE ON

SAFETY: N/A	TRAINERS AND TRAINING: N/A
RELIABILITY: N/A	GSE: N/A
PERFORMANCE: N/A	SPARES: N/A
MAINTENANCE: N/A	INTERFACE CONTROL DOCUMENTS: Update applicable ICD's
OPERATIONS: N/A	DELIVERY SCHEDULE: N/A
WEIGHT, BALANCE, AND STABILITY: To reference weight of loose crew equipment	CTN/CTR: N/A
GFE/GFP: N/A	OTHER RECP'S/ECP'S: N/A

REQUIRES INSTALLATION AT KSC

☐ YES ☒ NO

IMPACT ON PROGRAM IF THIS CHANGE IS DISAPPROVED

Stowage List Revision C will not be updated until release of Revision D.

REMARKS

The CM 101 Stowage List will be updated periodically between major revisions through incorporation of SLCN's as noted in the Stowage List Preparation Procedure PF3-0/71, dated February 21,1968.

ESTIMATED COST	FY 66	FY 67	FY 68	FY 69	TOTAL

APPROVALS

SIGNATURE OF ORIGINATOR	DATE	SIGNATURE OF PROJECT OFFICER	DATE
James W. Thompson J. W. Thompson	5-28-68		
SIGNATURE OF SUBSYSTEM ~~MANAGER~~ Engineer J. R. Good	DATE 6/3/68	☐ APPROVED	☐ DISAPPROVED

DATE	STOWAGE LIST CHANGE NOTICE	Page 1
CM 101	*(This change will be incorporated in the next Stowage List Rev.)*	of 5

MODULE	SECTION	REVISION	SLCN NUMBER
CM 101	I - STOWED OPERATIONAL GFE	C	3C

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REASON FOR CHANGE	LIST EFFECT
104	Power Cable	SEB33100026 -205					Dash number change from -203. Reason: RECP 8C679, approved by CCP 5-13-68.	
128	Tissue Dispenser	SEB42100086 -202					Part number change from SEB22100086-202 on SLCN 1C. Reason: Typographical error.	
125	Flag Kit	SEB12100067 -301	2.5	1	R10		Verbal direction from CCP.	
145	Urine Transfer System	14-0133-01	1.04	3	Volume R11		Item added per CCA 2199 Revision A.	
146	UTS Receiver Assy (Spares)	14-0205-01	TBD	1	Volume R11		Item added per CCA 2199 Revision A.	
148	Roll-On-Cuff Stowage Bag Assy	SEB42100112					Item added per CCA 2199A.	
		-201 Red	TBD	1	Volume R11			
		-202 White	TBD	1				
		-203 Blue	TBD	1				
157	Camera, TV	1769491		1	Volume A7		Addition of item. Reason: CCA 2199 Rev. A., approved by CCB 4-25-68.	
158	Cable Assy, TV	SEB16100612 -201		1	Volume A7		Addition of item. Reason: CCA 2199 Rev. A, approved by CCB 4-25-68.	

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DATE	STOWAGE LIST CHANGE NOTICE *(This change will be incorporated in the next Stowage List Rev.)*	Page 2 of 5

MODULE	SECTION	REVISION	SLCN NUMBER
CM 101	I - STOWED OPERATIONAL GFE	C	3C

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REASON FOR CHANGE	LIST EFFECT
159	Telephoto Lens	1769492		1	Volume A7		Addition of item. Reason: CCA 2199Rev. A, approved by CCB 4-25-68.	
160	Wide Angle Lens (160°)	1964925		1	Volume A7		Addition of item. Reason: CCA 2199 Rev. A, approved by CCB 4-25-68.	
311	Watchband	SEB12100030 -208					Dash number change from -206. Reason: RECP 8C757 approved by CCB 5-24-68.	

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DATE	STOWAGE LIST CHANGE NOTICE *(This change will be incorporated in the next Stowage List Rev.)*	Page 3 of 5

MODULE	SECTION	REVISION	SLCN NUMBER
CM 101	I - STOWED OPERATIONAL CFE	C	3C

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REASON FOR CHANGE	LIST EFFECT
407	Tool Set Assy							
	Tool E	V36-601405		1			Quantity change from 2. Reference Item 473.	
409	Supply, Sanitation Assy WMS	V36-601419	.14	3 QTY PER ASSY	Volume R10		Qty change from 30 per CCA 2199A.	
	Bag, Inner Fecal	V16-601378 -21		1				
	Bag, Outer Fecal	ME901-0736 -0003		1				
	Pouch, Germicide Fecal	ME393-0001 -0003		1				
	Wrapper	V36-601419 -3		1				

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DATE	STOWAGE LIST CHANGE NOTICE *(This change will be incorporated in the next Stowage List Rev.)*	Page 4 of 5

MODULE	SECTION	REVISION	SLCN NUMBER
CM 101	I - STOWED OPERATIONAL CFE	C	3C

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REASON FOR CHANGE	LIST EFFECT
409A	Supply Sanitation Assy WMS	TBD	TBD	30 QTY PER ASSY	Volume R10		Item added per CCA 2199A	
	Bag, Inner Fecal	TBD (14-0111 -01)		1				
	Bag, Outer Fecal	ME901-0736 -0003		1				
	Pouch Germicide Fecal	ME393-0001 -0003		1				
	Wrapper	V36-601419 -3		1				
	Wet Wipe	TBD(14-0228 -02)		1				

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DATE	STOWAGE LIST CHANGE NOTICE *(This change will be incorporated in the next Stowage List Rev.)*	Page 5 of 5

MODULE	SECTION	REVISION	SLCN NUMBER
CM 101	I - STOWED OPERATIONAL CFE	C	3C

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REASON FOR CHANGE	LIST EFFECT
423	Urine Hose Assy.	V16-601421 -711	TBD	1	On Aft Bulkhead under Vol. A6		Deleted per CCA 2199 Rev. A.	
472	Mounting Brkt, TV Camera	V36-715120		1	Volume A7		Item added per CCA 2199A.	
473	Tool E	V36-601405		1	PGA Pocket CSM Pilot (center)		CCSR Board Direction	

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for 6/3/68 CCP

RECP NUMBER	REQUEST FOR ENGINEERING CHANGE PROPOSAL	DATE
8C788		

ORIGINATING ORGANIZATION	REQUESTED ACTION
CSM Project Engineering Division GFE Office, PF3	[X] CCA [ ] ECP

CONTRACT NUMBER	CONTRACTOR	CCA NEED DATE
NAS 9-150	North American Rockwell Corporation	

END ITEM NOMENCLATURE

Command Module 101

CHANGE TITLE

CM 101 Stowage List

DESCRIPTION OF CHANGE

Incorporate the enclosed SLCN 2C in CM 101 Stowage List Revision C, dated March 4, 1968.

CCP 6-3

SPECIFICATION CHANGE

SPECIFICATION NUMBER	PAGE NUMBER	PARAGRAPH

CHANGE FROM/TO

The enclosed SLCN No. 2C updates the CM 101 Stowage List Revision C.

JUSTIFICATION

This list is required to prepare prepackage and stowage drawings and to assist contractor and NASA personnel in support of all spacecraft stowage exercises.

EFFECTIVITY

CM 101 only.

RECP NUMBER	REQUEST FOR ENGINEERING CHANGE PROPOSAL	DATE
8C788		

EFFECT OF CHANGE ON

SAFETY: N/A	TRAINERS AND TRAINING: N/A
RELIABILITY: N/A	GSE: N/A
PERFORMANCE: N/A	SPARES: N/A
MAINTENANCE: N/A	INTERFACE CONTROL DOCUMENTS: Update applicable ICD's
OPERATIONS: N/A	DELIVERY SCHEDULE: N/A
WEIGHT, BALANCE, AND STABILITY: N/A	CTN/CTR: N/A
GFE/GFP: N/A	OTHER RECP'S/ECP'S: N/A

REQUIRES INSTALLATION AT KSC

☐ YES ☒ NO

IMPACT ON PROGRAM IF THIS CHANGE IS DISAPPROVED

Stowage list Revision C will not be updated until release of Revision D.

REMARKS

The CM 101 Stowage List will be updated periodically between major revisions through incorporation of SLCN's as noted in the Stowage List Preparation Procedure, PF3-0/71, dated February 21, 1968.

ESTIMATED COST	FY 66	FY 67	FY 68	FY 69	TOTAL

APPROVALS

SIGNATURE OF ORIGINATOR	DATE	SIGNATURE OF PROJECT OFFICER	DATE
J. W. Thompson J. W. Thompson	5-16-68		
SIGNATURE OF SUBSYSTEM ~~MANAGER~~ Engineer J. R. Goodman J. R. Goodman	5-20-68	☐ APPROVED	☐ DISAPPROVED

DATE	STOWAGE LIST CHANGE NOTICE	Page 1
May 17, 1968	*(This change will be incorporated in the next Stowage List Rev.)*	of 4

MODULE	SECTION	REVISION	SLCN NUMBER
CM 101	I- Stowed Operational GFE	C	2C

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REASON FOR CHANGE	LIST EFFECT
107	70 MM Film Magazine	SEB33100030 -209, or -210 or -211, or -212					Addition of "or" to dash numbers. Reason: Clarification to SLCN No. 1C.	

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DATE	STOWAGE LIST CHANGE NOTICE	Page 2 of 4
May 17, 1968	*(This change will be incorporated in the next Stowage List Rev.)*	

MODULE	SECTION	REVISION	SLCN NUMBER
CM 101	III - Crew Apparel	C	2C

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REASON FOR CHANGE	LIST EFFECT
301	Pressure Garment Assy.						Addition of EV and IV PGA to nomenclature. Reason: Approved by CCB 2-9-68.	
	(EV PGA)		** 47.36	2			Weight change from 52.70. Reason: Approved by CCB 2-9-68.	
	(IV PGA)		** 35.61	1			Quantity change from 3 to 2 for EV PGA and 1 for IV PGA. Reason: Approved by CCB 2-9-68.	
	Communication Carrier	10625G					Part number change from SEB13100076-201. Reason: 10625G is the flight item and the SEB part number is the training unit.	
	PGA Gas Connector Plug	A7L-101006		→	2 (1 Blue, 1 Red) in CDR PGA 1 (Red) in LMP PGA		This SLCN supersedes SLCN #1C. Change from a total of 5 on PGA's to 3 on PGA's. Reason: Approved by CCB 2-9-68.	

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DATE	STOWAGE LIST CHANGE NOTICE	Page 3
May 17 1968	*(This change will be incorporated in the next Stowage List Rev.)*	of 4

MODULE	SECTION	REVISION	SLCN NUMBER
CM 101	III Crew Apparel	C	2C

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REASON FOR CHANGE	LIST EFFECT
301	(continued) Torso Harness			1			Addition of item to PGA. Reason: Transferred from the bioinstrumentation assy and considered part of the PGA.	
		A7L-101038-04					Part number change from 101031 Reason: RECP 7E314 approved by CCP 12-4-67.	
	Biomed Harness			1			Addition of item to PGA. Reason: transferred from the bioinstrumentation assy. and considered part of the PGA.	
		A7L-101054-03					Part number change from 101063. Reason: RECP 7E314 approved by CCP 12-4-67.	

DATE	STOWAGE LIST CHANGE NOTICE	Page 4 of 4
May 17, 1968	*(This change will be incorporated in the next Stowage List Rev.)*	

MODULE	SECTION	REVISION	SLCN NUMBER
CM 101	III - Crew Apparel	C	2C

ITEM	NOMENCLATURE	PART NUMBER	UNIT WT (LB)	QTY PER S/C	STOWAGE LOCATION	LOG CARD REQ	REASON FOR CHANGE	LIST EFFECT
306	Bioinstrumentation Assy.	SEB42100083--301					Addition of part number Reason: Not defined at REV. C.	
	Torso Harness	101031					Item deleted from assy. Reason: transferred to item 301.	
	Impedence Pneumograph Signal Conditioner	104230 or 103080					Addition of part number 103080. Reason: Not available at time of Rev. C.	
	EKG Signal Conditioner	104220 or 103070					Addition of part number 103070. Reason: Not available at time of Rev. C.	
	DC-DC Converter Power Supply.	104240 or 103110 or 104840					Addition of part numbers 103110 and 104840. Reason: Not available at time of Rev. C.	
	Biomed Harness	101063					Item deleted from assy. Reason: Transferred to Item 301.	

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