

MATERIAL LIST		REV.	ABC										MODEL	RAK-19G		
													SHEET	1	OF	12
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS									
				USED ON	USED TO MOUNT	QUAN.										
1	AD-103-5	Filter, Air	Top-				MP702									
1	AD-103-9	Filter, Air	Rear				MP701									
1	BB-117-2	Bearing, Nylon		AS-116		1										
2	BL-106-2	Fan, Axial		A-2079-10		2	B701,702									
1	CU-101-9	Ferrule		AS-116		1										
1	CU-102-3	Clamp, Loop, 1/4 ID		CA-736		1										
2	CU-102-5	Clamp, Loop, 3/8 ID		CA-737		2										
1	CU-102-9	Clamp, Loop, 19/32 ID		A-3089		1										
2	CU-102-10	Clamp, Loop, 5/8 ID		A-3089		2										
2	CU-102-13	Clamp, Loop, 7/8 ID		A-3089		2										
1	CU-113	Clamp, Cable, Conduit		AX-671		1										
1	CU-131-7	Clamp, Cable, 3/4 ID		A-3089		1										
8	EY-102-20	Grommet, Elastic		A-2079-10		8										
1	GA-144-122	Gasket, Extruded		MS-2516		1	Assem. By Rack Mfr.									
1	HA-114-1	Handle, Flush Type		MS-2516		1	Assem. By Rack Mfr.									
1	JJ-175	Connector, Receptacle, AC,					J702									
5	JJ-337	Connector, Receptacle, Twist Lock		AX-671		5	J703 thru J707									
2	MS-154-1	Plate, Straddle,		A-2079-10		2										
4	MS-1850-S	Plate, Access														
1	MS-1879	Arm, Spring, Retaining		AS-116		1										

MATERIAL LIST		REV.	ABC										MODEL	RAK-19G		
													SHEET	2	OF	12
QUAN. PER UNIT	PART NO.	DESCRIPTION	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS									
				USED ON	USED TO MOUNT	QUAN.										
1	MS-2306	Channel, AC Strip		AX-671		1	Modified PO-160									
1	MS-2509-1	CAB., ELEC EQUIP		LD633		1	Mod. per MS-3072									
1	MS-2516	Door, RAK-19														
1	MS-2527	Bracket, Retractor Spring Mounting														
1	MS-2537	Chassis, Blower		LD892		1										
1	MS3057-16	Clamp, Cable		CA-737		1	For P705									
1	MS-3072	CAB., ELEC EQUIP					Modify MS-2509-1									
1	MS3106B28-11P	Connector, Plug, Male		CA-737		1	P705									
1	MS3420-8A	Bushing, Cable		CA-737		1	For P705									
1	MS3420-12A	Bushing, Cable		CA-737		1	For P705									
1	MS3420-16A	Bushing, Cable		CA-737		1	For P705									
1	NP-103-42	Nameplate, Identification	Comm.				When Required									
2	PL-176	Conn, Pl, Fml	Naval	CA-751		1	P401									
1	PL-133-NG	Connector, Receptacle, AC, Male, 3 Prong		CA-555		1	P103									
1	PL-149	Connector, Plug, RF		CA-604		1	J701									
1	PL-151	Connector, Plug, AC		CA-512		1	P708									
1	PL-259A-TEF	Connector, Plug, RF		CA-512		1	P707									
2	PL-218	Connector, Pl, ML		CA-512		1	P709									
2	PM-531B20.75	Rod, Door Latch		CA-575		1	P104									
				CA-555		1	Supp. & Assem. by Rack Mfr.									
				MS-2516		2										

MATERIAL LIST		REV.	A B C										MODEL	RAK-19G		
													SHEET	3	OF	12
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS									
				USED ON	USED TO MOUNT	QUAN.										
1	PO-160	Strip, Connector					Mod. as per MS-2306									
1	PO-161	End Fitting, Blank		AX-671		1										
1	PO-162	End Fitting, Cable Entry		AX-671		1										
1	PO-163-6.250	Cover, AC Strip		AX-671		1										
1	PO-163-2.750	Cover, AC Strip		AX-671		1										
1	PO-163-9.250	Cover, AC Strip		AX-671;		1										
1	PO-163-14.750	Cover, AC Strip		AX-671		1										
1	PO-186	Cam, 2 Point Catch		MS2516		1	Supp. & Assem. by Rack Mfr.									
1	PX336-4	INS, TERM. BD		A2079-10		1										
1	PX-544-4	Insulator, Terminal Strip		LD880		1										
1	SP-137-2	Spring, Retracting		AS-116		1										
1	SW-230	Switch, Interlock					S701									
1	TK-106-18	Set, Slide, Stationary		A-2059		1	For PSP-350									
1	TK-107-18	Set, Slide, Tilt Lock		A-2059		1	For SBE									
2	TK-108-18	Set, Slide, Tilt Lock		A-2059		2	For RFA, TIS									
1	TM-102-4	Terminal Board, Barrier Type		A-2079-10		1	E701									
1	TM-105-6-AR	Fanning Strip		CA-736		1	E702									
2	TM-105-14-AR	Fanning Strip		CA-737		2	E703, 704									
1	UG-170/U	Connector, Plug, RF		CA-480-6		1	E705									
2	UG-260/U	Connector, Plug, RF		CA-480-6		2	P703, 704									

THE TECHNICAL MATERIEL CORPORATION

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MATERIAL LIST		REV.	MODEL RAK-19G										SHEET 4 OF 12	
QUAN. PER UNIT	PART NO.	DESCRIPTION HARDWARE	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS							
				USED ON	USED TO MOUNT	QUAN.								
4	FS-102-1	Spring, "S" Type		MS-2528		4	Assem. by Rack Mfr.							
4	FS-109-3	Ring, Retaining		MS-1900		4	Assem. by Rack Mfr.							
4	FS-110-1	Stud, Slotted Head		MS-1900		4	Assem. by Rack Mfr.							
8	FW06HBN	Washer, Flat		A-2079-10		8								
8	FW25HBN	WASH., FLAT		A-2079-10		8								
8	LWE04MRN	Washer, Lock, External		A-2079-10		8								
18	LWE06MRN	Washer, Lock, External		A-2079-10		8								
				A-3089		4								
				AS-116		1								
				CA-736		1								
				CA-737		2								
					JJ-175	2								
13	LWE08MRN	Washer, Lock, External		A-3089		13								
72	LWE10MRN	Washer, Lock, External		A-2059		72								
8	LWS03MRN	Washer, Lock, Split			FS-102	8	Assem. by Rack Mfr.							
48	LWS04MRN	Washer, Lock, Split			NT-117	48	Assem. by Rack Mfr.							
24	NT-117-2520A	Nut, Floating Anchor			MS-1850	4	Assem. by Rack Mfr.							
4	NT-129-440-3	Nut, Round, Swage		MS-1876		2								
4	NT-129-632-4	Nut, Round, Swage		MS-2306		4								
15	NT-129-832-4	Nut, Round, Swage		MS-2527		3								
				MS-2537		12								
8	NTH0348BN6	Nut, Hexagon			FS-102	8	Assem. by Rack Mfr.							
56	NTH0440BN6	Nut, Hexagon		A-2079-10		8								
					NT-117	48	Assem. by Rack Mfr.							

MATERIAL LIST		REV.	ABC										MODEL	RAK-19G		
													SHEET	5	OF	12
QUAN. PER UNIT	PART NO.	DESCRIPTION HARDWARE	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS									
				USED ON	USED TO MOUNT	QUAN.										
14	NTH0632BN8	Nut, Hexagon		A-2079-10		8										
				AS-116		1										
				CA-736		1										
				CA-737		2										
11	NTH0832BN10	Nut, Hexagon		A-3089	JJ-175	2										
						11										
4	SCBP0440BN12	Screw, Machine		A-2079-10		4										
8	SCBP0632BN4	Screw, Machine		A-3089	JJ-175	4										
						4										
1	SCBP0632BN6	Screw, Machine		CA-736		1										
3	SCBP0632BN8	Screw, Machine		AS-116		1										
				CA-737		2										
8	SCBP0632BN14	Screw, Machine		A-2079-10		8										
11	SCBP0832BN4	Screw, Machine		A-3089		1										
				AX-671		10										
23	SCBP0832BN6	Screw, Machine		A-3089		11										
						12										
2	SCBP0832BN8	Screw, Machine		A-3089	MS-2537	2										
24	SCBP2520BN16	Screw, Machine			MS-1850	24	Assem. by Rack Mfr.									
8	SCFP0348BN6	Screw, Machine			FS-102	8	Assem. by Rack Mfr.									
48	SCFP0440BN8	Screw, Machine			NT-117	48	Assem. by Rack Mfr.									
72	SCHH1032SN8	Screw, Machine		A-2059		72										
1	TE-104-3	Terminal, Lug, No. 8		A-3089		1										
10	TE-112-3	Terminal, Lug, No. 8		AX-671		10										
8	TE-117-30	Spacer, Standoff		A-2079-10		8										
11	TE-120-2	Terminal, Lug, No. 6		CA-409		4										
				CA-550		4										
				CA-575		3										

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

MATERIAL LIST

REV.

A B C

MODEL RAK-19G

SHEET 6 OF 12

QUAN. PER UNIT	PART NO.	DESCRIPTION HARDWARE	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT	QUAN.	
7	TE-155-34170	Terminal, Lug, Size 10		CA-588		2	
				CA-604		5	
3	TE-156-34149	Terminal, Lug		CA-751		3	
6	TE-159-32957	Terminal, Lug, Size 6		CA-736		4	
				CA-409-209		2	
1	TE-159-32961	Terminal, Lug, Size 12		CA-604		1	
2	TE-159-34160	Terminal, Lug, Size 8		CA-736		2	
8	WA-101-4	Washer, Fiber, Flat		A-2079-10		8	

MATERIAL LIST		REV.	ABC										MODEL	RAK-19G		
													SHEET	7	OF	12
QUAN. PER UNIT	PART NO.	DESCRIPTION	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS									
				USED ON	USED TO MOUNT	QUAN.										
		RAW MATERIALS														
X	BS-100	Solder, Soft														
X	CD-101-1-MW	Cord, Lacing	Black	CA-550												
				CA-736												
				CA-737												
2-3	HWC10(37)B9	Wire, Electrical, Fiberglass	White	CA-604		27"										
2-6	HWC10(37)B90	Wire, Electrical, Fiberglass	Wh/Black	CA-604		30"										
2-6	HWC14(19)B0	Wire, Electrical, Fiberglass	Black	CA-604		30"										
X	HWC14(19)U9	Wire, Electrical	White	CA-736												
X	HWC14(19)U90	Wire, Electrical	Wh/Black	CA-736												
X	MWC14(19)U0	Wire, Electrical	Black	AX-671												
X	MWC14(19)U9	Wire, Electrical	White	AX-671												
	MWC16(19)U0	Wire, Electrical	Black	CA-409-209												
0-11	MWC20(7)U0	Wire, Electrical	Black	CA-550		0-11										
0-7	MWC20(7)U4	Wire, Electrical	Yellow	CA-550		0-7										
0-11	MWC20(7)U7	Wire, Electrical	Violet	CA-550		0-11										
0-7	MWC20(7)U9	Wire, Electrical	White	CA-550		0-7										
X	MWC22(7)SJ1	Cable, Insulated, w/Shield	Brown	CA-737												
X	MWC22(7)SJ2	Cable, Insulated, w/Shield	Red	CA-737												
X	MWC22(7)SJ3	Cable, Insulated, w/Shield	Orange	CA-737												
X	MWC22(7)SJ4	Cable, Insulated, w/Shield	Yellow	CA-737												
X	MWC22(7)SJ5	Cable, Insulated, w/Shield	Green	CA-737												
X	MWC22(7)SJ7	Cable, Insulated, w/Shield	Violet	CA-737												
X	MWC22(7)SJ8	Cable, Insulated, w/Shield	Gray	CA-737												

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

MATERIAL LIST		REV.	ABC										MODEL	RAK-19G		
													SHEET	8	OF	12
QUAN. PER UNIT	PART NO.	DESCRIPTION RAW MATERIALS	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS									
				USED ON	USED TO MOUNT	QUAN.										
X	MWC22(7)SJ91	Cable, Insulated, w/Shield	Wh/Brown	CA-737												
X	MWC22(7)SJ96	Cable, Insulated, w/Shield	Wh/Blue	CA-737												
X	MWC22(7)SJ97	Cable, Insulated, w/Shield	Wh/Violet	CA-737												
X	MWC22(7)SJ98	Cable, Insulated, w/Shield	Wh/Gray	CA-737												
X	MWC22(7)U0	Wire, Electrical	Black	CA-409 CA-736 CA-737		0-4										
X	MWC22(7)U4	Wire, Electrical	Yellow	CA-736 CA-737												
X	MWC22(7)U5	Wire, Electrical	Green	CA-736 CA-737												
X	MWC22(7)U6	Wire, Electrical	Blue	CA-736 CA-737												
X	MWC22(7)U7	Wire, Electrical	Violet	CA-736												
X	MWC22(7)U8	Wire, Electrical	Gray	CA-736												
X	MWC22(7)U9	Wire, Electrical	White	CA-736 CA-737												
X	PX-100-1-.133	Sleeving, Size	Black	CA-736												
X	PX-100-1-.208	Sleeving, Size	Black	CA-736												
X	PX-100-1-.263	Sleeving, Size	Black	CA-736												
X	PX-100-1-.375	Sleeving, Size	Black	CA-736												
1-0	PX-100-1-.500	Sleeving, Size	Black	CA-604		1-0										
3-0	RG-8/U	Cable, RF		CA-512		36"										
10-0	RG-59/U	Cable, RF		CA-480		10-0										
30	WI-121-9	Cable, AC		CA-751		30										
3-0	WI-121-6	Cable, AC		CA-588		36"										
1	WI-134-6-7	Cable, AC, Cld		CA-555-3		1										
1	WI-134-6-12	Cable, AC, Coiled		CA-575-5		1										

THE TECHNICAL MATERIEL CORPORATION

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MATERIAL LIST		REV.	A	B	C													MODEL	RAK-19G		
																		SHEET	9	OF	12
QUAN. PER UNIT	PART NO.	DESCRIPTION	SUPPORTING DRAWINGS	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS													
					USED ON	USED TO MOUNT	QUAN.														
1	A-2059	Slide Locations																			
1	A-2079-10	Blower and Chassis Assembly																			
1	A-3089	Installation, Cables and AC Strip																			
1	AS-116 (2A-1787)	Retractor Spring Assembly			A-3089		1														
1	AX-671	AC Power Strip			A-3089		1														
1	CA-346-8-9	Cbl, Assy, Pwr			RAK19G		1	W101(P101, P102)													
1	CA409-209-3.00	Lead,, Elec			RAK19G		1														
2	CA-409-32-2.00	Lead, Electrical			A-2079-10		2														
1	CA-480-6-120	Cable, RF, SBE to RFA						W703(P703,704)													
1	CA-512-6	Cable, RF, RFA to SWR-1K						W707(P707,708)													
1	CA-550	Cable, Blower					1														
1	GA555-3	Cable, Assy, Pwr			RAK19G		1	W102(P103, P104)													
1	GA575-5	Cable, AC, Coiled, Blower			A-2079-10		1	W702(P709)													
1	CA-588-1	Cable, AC Strip to APP-5			AX-671		1														
1	CA-604	Cable, 1Ø AC Input to APP-5						W701(J701)													
1	CA-736	Cable, Main						W705(E702)													
1	CA-737	Cable, Interconnect, SBE to TIS to APP-5						W710(E703,704,P705)													
1	CA751-A-30	Cable, Assy, Pwr			RAK19G		1	W401(P401)													
1	CK-609	Wiring Diagram																			
1	LD-633 /MS2509-1	Lettering			MS3072		1														
1	LD-880 /PX544-4	Lettering, PX-544 -4			A-2079-10		1														
1	LD-892 /MS2537	Lettering, MS-2537			A-2079-10		1														

MATERIAL LIST

REV.

A B C

MODEL RAK-19G

SHEET 10 OF 12

QUAN. PER UNIT	PART NO.	DESCRIPTION SPECIFICATIONS	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT	QUAN.	
1	S-	Test Procedure See <u>Appropriate SBT-350 Material List</u> For <u>Test Procedure</u>					

MATERIAL LIST

REV.

A B C

MODEL RAK-19G

SHEET 11 OF 12

QUAN. PER UNIT	PART NO.	DESCRIPTION PARTS PECULIAR	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT	QUAN.	
		<u>RAK-19G BASE MOUNTED</u>					
4	LWS37MRN	Washer, Lock, Split			MS-1901	4	
1	MS-1901	Base, Rack					
4	SCHH3716SN16	Bolt, Hexagon Head			MS-1901	4	

MATERIAL LIST

REV.

ABC

MODEL RAK-19G

SHEET 12 OF 12

QUAN. PER UNIT	PART NO.	DESCRIPTION PARTS PECULIAR	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT	QUAN.	
		<u>RAK-19G SHOCK MOUNTED</u>					
6	LWS37MRN	Washer, Lock, Split			SH-104-4	1	
6	SCHH3716SN16	Bolt, Hexagon Head			SH-104-4	1	
6	SH-104-4T6	Isolator, Shock					

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

RAK-19G

LIST NO.

DATE	REV.	SHEET	EMN #	DESCRIPTION	APP.
3/29/63	A	1	NONE	On CU-102-3, Chg. Quan. from 2 to 1	
				On CU-102-5, Chg. Quan. from 4 to 2	
				Dele. 5 ea. CU-102-7	
				Add 1 ea. CU-102-9	
				Add 2 ea. CU-102-10	
				On CU-131-7, Chg. Quan. from 2 to 1	
				Add 8 ea. EY-102-20	
				Add 2 ea. CU-102-13	
				Clarify Ref's.	
		2		Chg. MS-2528 to MS-3072	
				On PL-259A-TEF, Chg. Quan. from 2 to 1 (Dele. Sym. P703)	
				Clarify Ref's.	
		3		On PO-160, Chg. Quan. from 4 to 1	
				Chg. PO-163-2.625 to 2.250	
				Chg. 8 ea. PO-163-3.000 to 9 ea. 2.937	
				Chg. PO-163-5.000 to 2.750	
				On TK-108-18, Chg. Quan. from 1 to 2	
				Dele. 1 ea. UG-176/U	
				On UG-260/U, Chg. Quan. from 1 to 2 (Add Sym. P703)	
				Clarify Ref's.	
		4		Add 8 ea. FW06HBN	
				On LWE08MRN, Chg. Quan. from 18 to 13	
				Clarify Ref's.	
		5		On NTH0632BN8, Chg. Quan. from 13 to 14	
				On NTH0832BN10, Chg. Quan. from 15 to 11	
				On SCBP0632BN8, Chg. Quan. from 11 to 3	
				Add 8 ea. SCBP0632BN14	
				Add 1 ea. SCBP0832BN4	
				On SCBP0832BN6, Chg. Quan. from 28 to 23	
				Chg. TE-104-2 to TE-104-3	
				Add 8 ea. TE-117-30	
				Clarify Ref's.	
		6		Clarify Ref's.	
		7		Add wire lengths to "MWC20's"	
				Dele. MWC22(7)S0	
				Dele. MWC22(7)S6	
				Clarify Ref's.	

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