SECTION 7

PARTS LIST

7-1. INTRODUCTION.

This Parts List identifies assemblies and detail parts of the CP-642B Digital Data Computer. Reference designations appearing in the Parts List coincide with the designations marked on the equipment, drawings, and diagrams. Stock numbers of parts used in this equipment may be obtained by referring to the Stock Number Identification Table (SNIT) published by E.O.S.

7-2. MAINTENANCE PARTS LIST.

Table 7-1 lists all parts of maintenance significance by assemblies, such as A1, A2, A3. Parts not prefixed by an A designation are mounted on the chassis proper. Column 1 lists the equipment by reference designations of the various assemblies and parts in alphanumeric order. Column 2 (NOTES) is not used. Column 3 gives the item names, descriptions, part numbers, and the vendors' code numbers. Column 4 indicates how the parts are used and their functional location in the equipment. This column also includes the figure numbers of the schematics on which the parts are identified.

7-3. MODULE PARTS

Table 7-2 lists the parts on each of the plug-in modules. The table format is similar to that used for table 7-1 except that reference designations refer to the module being described. A component layout and schematic of each module is given in Section 6.

7-4. LIST OF MANUFACTURERS.

Table 7-3 lists the manufacturers of parts used in the equipment. Column 1 gives the vendors' codes as listed in each part description of tables 7-1 and 7-2. Column 2 lists the vendors' names. Column 3 provides the vendors' addresses.

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1		COMPUTER,DIGITAL DATA: Contains 1 computer program,1 cable assembly, and 1 plenum assembly; computer is designed to compute information to be used in technical data systems and is of variable design due to different input/output capabilities; MFD BY 90536 , PART NO. 4051212-99	Digital Data Computer Fig. 1-1
1W1		CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL: MFD BY 90536 , PART NO. 4055105-00	
1A1		COMPUTER PROGRAM: Contains 1 electrical equipment cabinet, and 13 roll-out chassis as follows; 3 digital to digital converters, 1 special input/output chassis, 1 arithmetic unit, 2 computer controls, 1 film memory unit, and 5 core memory units; MFD BY 90536 , PART NO. 4055100-99	Fig. 1-1
1A1A1		CONVERTER,DIGITAL TO DIGITAL: Normal I/O chassis; contains 42 capacitors, 3 fuses, 3 fuseholders, 3 diodes, 428 connectors, 3 bus bars, 12 capacitor assemblies, 11 jack assemblies, and 323 circuit card assemblies; operating power requirements 115 vac, 400 cps, 3 phase; over-all dim. 4.25 by 23 in. by 32 in.; MFD BY 90536 , PART NO. 7008400-00	Digital to Digital Converter Fig. 1-2
1A1A1CR1		SEMICONDUCTOR DEVICE,DIODE: MIL-S-19500; MIL NO. 1N1202	Overvoltage Prot Fig. 1-4

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A1CR2		SAME AS 1A1A1CR1	Overvoltage Prot. Fig. 1-4
1A1A1CR3		SAME AS 1A1A1CR1	Overvoltage Prot. Fig. 1-4
1A1A1C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 0.47 uf, -20 pct, +80 pct; 0.5 in. wide, 0.5 in. high, 0.125 in. deep; MFD BY 80183 , PART NO. 5C11A	Filter
1A1A1C2		SAME AS 1A1A1C1	Filter
1A1A1C3		SAME AS 1A1A1C1	Filter
1A1A1C4		SAME AS 1A1A1C1	Filter
1A1A1C5		SAME AS 1A1A1C1	Filter
1A1A1C6		SAME AS 1A1A1C1	Filter
1A1A1C7		SAME AS 1A1A1C1	Filter
1A1A1C8		SAME AS 1A1A1C1	Filter
1A1A1C9		SAME AS 1A1A1C1	Filter
1A1A1C10		SAME AS 1A1A1C1	Filter
1A1A1C11		SAME AS 1A1A1C1	Filter
1A1A1C12		SAME AS 1A1A1C1	Filter
1A1A1C13		SAME AS 1A1A1C1	Filter
1A1A1C14		SAME AS 1A1A1C1	Filter
1A1A1C15		SAME AS 1A1A1C1	Filter
1A1A1C16		SAME AS 1A1A1C1	Filter

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A1C17		SAME AS 1A1A1C1	Filter
1A1A1C18		SAME AS 1A1A1C1	Filter
1A1A1C19		SAME AS 1A1A1C1	Filter
1A1A1C20		SAME AS 1A1A1C1	Filter
1A1A1C21		SAME AS 1A1A1C1	Filter
1A1A1C22		SAME AS 1A1A1C1	Filter
1A1A1C23		SAME AS 1A1A1C1	Filter
1A1A1C24		SAME AS 1A1A1C1	Filter
1A1A1C25		SAME AS 1A1A1C1	Filter
1A1A1C26		SAME AS 1A1A1C1	Filter
1A1A1C27		SAME AS 1A1A1C1	Filter
1A1A1C28		SAME AS 1A1A1C1	Filter
1A1A1C29		SAME AS 1A1A1C1	Filter
1A1A1C30		SAME AS 1A1A1C1	Filter
1A1A1C31		SAME AS 1A1A1C1	Filter
1A1A1C32		SAME AS 1A1A1C1	Filter
1A1A1C33		SAME AS 1A1A1C1	Filter
1A1A1C34		SAME AS 1A1A1C1	Filter
1A1A1C35		SAME AS 1A1A1C1	Filter

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A1C36		SAME AS 1A1A1C1	Filter
1A1A1C37		SAME AS 1A1A1C1	Filter
1A1A1C38		SAME AS 1A1A1C1	Filter
1A1A1C39		SAME AS 1A1A1C1	Filter
1A1A1C40		SAME AS 1A1A1C1	Filter
1A1A1C41		SAME AS 1A1A1C1	Filter
1A1A1C42		SAME AS 1A1A1C1	Filter
1A1A1F1		FUSE, CARTRIDGE; 10 amp, 32 v normal instantaneous; MIL-F-15160; MIL NO. FO3A25OV10AS	-15 vdc Fig. 1-4
1A1A1F2		SAME AS 1A1A1F1	-4.5 vdc Fig. 1-4
1A1A1F3		FUSE, CARTRIDGE, 3 amp, 250 v, normal instantaneous; MIL-F-15160; MIL NO. FO2A25OV3AS	+15 vdc Fig. 1-4
1A1A1J1A		CONNECTOR, RECEPTACLE, ELECTRICAL: Arc resistant plastic dielectric; MFD BY 22526 , PART NO. 4342-1	Plug-in card jack Fig. 8-170
1A1A1J1B THRU 1A1A1J1G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J2A THRU 1A1A1J2G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J3A		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
THRU			
1A1A1J3G		SAME AS 1A1A1J1A	
1A1A1J4A		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
THRU			
1A1A1J4G		SAME AS 1A1A1J1A	
1A1A1J5A		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
THRU			
1A1A1J5G		SAME AS 1A1A1J1A	
1A1A1J6A		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
THRU			
1A1A1J6G		SAME AS 1A1A1J1A	
1A1A1J7A		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
THRU			
1A1A1J7G		SAME AS 1A1A1J1A	
1A1A1J8A		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
THRU			
1A1A1J8G		SAME AS 1A1A1J1A	
1A1A1J9A		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
THRU			
1A1A1J9G		SAME AS 1A1A1J1A	
1A1A1J10A		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
THRU			
1A1A1J10G		SAME AS 1A1A1J1A	
1A1A1J11A		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
THRU			
1A1A1J11G		SAME AS 1A1A1J1A	
1A1A1J12A		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
THRU			
1A1A1J12G		SAME AS 1A1A1J1A	
1A1A1J13A		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
THRU			
1A1A1J13G		SAME AS 1A1A1J1A	
1A1A1J14A		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
THRU			
1A1A1J14G		SAME AS 1A1A1J1A	
1A1A1J15A		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
THRU			
1A1A1J15G		SAME AS 1A1A1J1A	
1A1A1J16A		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
THRU			
1A1A1J16G		SAME AS 1A1A1J1A	
1A1A1J17A		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
THRU			
1A1A1J17G		SAME AS 1A1A1J1A	
1A1A1J18A		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
THRU			
1A1A1J18G		SAME AS 1A1A1J1A	
1A1A1J19A		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
THRU			
1A1A1J19G		SAME AS 1A1A1J1A	
1A1A1J20A		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
THRU			
1A1A1J20G		SAME AS 1A1A1J1A	

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A1J21A THRU 1A1A1J21G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J22A THRU 1A1A1J22G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J23A THRU 1A1A1J23G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J24A THRU 1A1A1J24G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J25A THRU 1A1A1J25G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J26A THRU 1A1A1J26G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J27A THRU 1A1A1J27G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J28A THRU 1A1A1J28G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J29A THRU 1A1A1J29G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A1J30A THRU 1A1A1J30G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J31A THRU 1A1A1J31G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J32A THRU 1A1A1J32G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J33A THRU 1A1A1J33G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J34A THRU 1A1A1J34G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J35A THRU 1A1A1J35G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J36A THRU 1A1A1J36G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J37A THRU 1A1A1J37G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J38A THRU 1A1A1J38G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A1J39A THRU 1A1A1J39G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J40A THRU 1A1A1J40G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J41A THRU 1A1A1J41G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J42A THRU 1A1A1J42G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J43A THRU 1A1A1J43G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J44A THRU 1A1A1J44G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J45A THRU 1A1A1J45G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J46A THRU 1A1A1J46G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J47A THRU 1A1A1J47G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A1J48A THRU 1A1A1J48G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J49A THRU 1A1A1J49G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J50A THRU 1A1A1J50G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J51A THRU 1A1A1J51G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J52A THRU 1A1A1J52G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J53A THRU 1A1A1J53G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J54A THRU 1A1A1J54G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J55A THRU 1A1A1J55G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J56A THRU 1A1A1J56G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A1J57B THRU 1A1A1J57G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J58B THRU 1A1A1J58G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J59B THRU 1A1A1J59G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J60B THRU 1A1A1J60G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J61B THRU 1A1A1J61G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J62B THRU 1A1A1J62G		SAME AS 1A1A1J1A	SAME AS 1A1A1J1A
1A1A1J1		CONNECTOR, RECEPTACLE, ELECTRICAL: Arc resistant plastic dielectric; MFD BY 09222 , PART NO. DTD8715P1	Intracabinet connector Fig. 1-4
1A1A1J2		SAME AS 1A1A1J1	SAME AS 1A1A1J1
1A1A1J3		SAME AS 1A1A1J1	SAME AS 1A1A1J1
1A1A1J4		CONNECTOR, RECEPTACLE, ELECTRICAL: Arc resistant plastic dielectric; MFD BY 71468 , PART NO. DPD4500-4685	SAME AS 1A1A1J1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A1J5		SAME AS 1A1A1J1	SAME AS 1A1A1J1
1A1A1J6		SAME AS 1A1A1J1	SAME AS 1A1A1J1
1A1A1J7		SAME AS 1A1A1J1	SAME AS 1A1A1J1
1A1A1J8		SAME AS 1A1A1J1	SAME AS 1A1A1J1
1A1A1J9		JACK ASSEMBLY, TIP: 106 contact locations; arc resistant plastic dielectric; over-all dim. 0.08 by 1.6 by 2.5 in.; MFD BY 90536 , PART NO. 7008417-00	Test block FIG. 1-4
1A1A1J10		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A1J11		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A1J12		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A1J13		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A1J14		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A1J15		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A1J16		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A1J17		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A1J18		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A1J19		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A1W1		BUS BAR; MFD BY 90536 , PART NO. 7008460-02	Circuit Junction

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A1W2		BUS BAR; MFD BY 90536 , PART NO. 7008460-00	Circuit Junction
1A1A1W3		BUS BAR; MFD BY 90536 , PART NO. 7008460-01	Circuit Junction
1A1A1XF1		FUSEHOLDER; Extractor post; 15 amp, 250 v max; MFD BY 75915 , PART NO. 342025	Fuse retainer Fig. 1-4
1A1A1XF2		SAME AS 1A1A1XF1	SAME AS 1A1A1XF1
1A1A1XF3		SAME AS 1A1A1XF1	SAME AS 1A1A1XF1
1A1A1A1		CAPACITOR ASSEMBLY; Contains 3 capacitors; MFD BY 90536 , PART NO. 7008404-00	Filter assembly
1A1A1A1C1		CAPACITOR, FIXED, ELECTROLYTIC; 25 vdc, 40 uf, -15 pct, +75 pct, -55 deg C (-67 deg F) to +85 deg C(+85 deg F) operating temp range; metal case, 0.297 in. dia, 0.937 in. lg; MIL-C-3965; MIL NO. CL25BG400UP3	Filter
1A1A1A1C2		SAME AS 1A1A1A1C1	Filter
1A1A1A1C3		SAME AS 1A1A1A1C1	Filter
1A1A1A2		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A1A3		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A1A4		SAME AS 1A1A1A1	SAME AS 1A1A1A1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A1A5		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A1A6		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A1A7		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A1A8		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A1A9		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A1A10		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A1A11		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A1A12		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A2		SAME AS 1A1A1	SAME AS 1A1A1A1
1A1A3		CONVERTER,DIGITAL TO DIGITAL: Special I/O chassis; contains 42 capacitors, 3 fuses, 3 fuseholders, 436 connectors, 11 jack assemblies, 3 diodes, 3 bus-bars, 12 capacitor assemblies, and 364 circuit card assemblies; operating power re uirements 115 vac, 400 cps, 3-phase; over-all dim. 4.25 by 23 by 32 in.; MFD BY 90536 , PART NO. 7008400-01	Digital to digital converter Fig. 1-2
1A1A3CR1		SAME AS 1A1A1CR1	SAME AS 1A1A1CR1
1A1A3CR2		SAME AS 1A1A1CR1	SAME AS 1A1A1CR1
1A1A3CR3		SAME AS 1A1A1CR1	SAME AS 1A1A1CR1
1A1A3C1		SAME AS 1A1A1C1	Filter

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A3C2		SAME AS 1A1A1C1	Filter
1A1A3C3		SAME AS 1A1A1C1	Filter
1A1A3C4		SAME AS 1A1A1C1	Filter
1A1A3C5		SAME AS 1A1A1C1	Filter
1A1A3C6		SAME AS 1A1A1C1	Filter
1A1A3C7		SAME AS 1A1A1C1	Filter
1A1A3C8		SAME AS 1A1A1C1	Filter
1A1A3C9		SAME AS 1A1A1C1	Filter
1A1A3C10		SAME AS 1A1A1C1	Filter
1A1A3C11		SAME AS 1A1A1C1	Filter
1A1A3C12		SAME AS 1A1A1C1	Filter
1A1A3C13		SAME AS 1A1A1C1	Filter
1A1A3C14		SAME AS 1A1A1C1	Filter
1A1A3C15		SAME AS 1A1A1C1	Filter
1A1A3C16		SAME AS 1A1A1C1	Filter
1A1A3C17		SAME AS 1A1A1C1	Filter
1A1A3C18		SAME AS 1A1A1C1	Filter
1A1A3C19		SAME AS 1A1A1C1	Filter

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A3C20		SAME AS 1A1A1C1	Filter
1A1A3C21		SAME AS 1A1A1C1	Filter
1A1A3C22		SAME AS 1A1A1C1	Filter
1A1A3C23		SAME AS 1A1A1C1	Filter
1A1A3C24		SAME AS 1A1A1C1	Filter
1A1A3C25		SAME AS 1A1A1C1	Filter
1A1A3C26		SAME AS 1A1A1C1	Filter
1A1A3C27		SAME AS 1A1A1C1	Filter
1A1A3C28		SAME AS 1A1A1C1	Filter
1A1A3C29		SAME AS 1A1A1C1	Filter
1A1A3C30		SAME AS 1A1A1C1	Filter
1A1A3C31		SAME AS 1A1A1C1	Filter
1A1A3C32		SAME AS 1A1A1C1	Filter
1A1A3C33		SAME AS 1A1A1C1	Filter
1A1A3C34		SAME AS 1A1A1C1	Filter
1A1A3C35		SAME AS 1A1A1C1	Filter
1A1A3C36		SAME AS 1A1A1C1	Filter
1A1A3C37		SAME AS 1A1A1C1	Filter

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A3C38		SAME AS 1A1A1C1	Filter
1A1A3C39		SAME AS 1A1A1C1	Filter
1A1A3C40		SAME AS 1A1A1C1	Filter
1A1A3C41		SAME AS 1A1A1C1	Filter
1A1A3C42		SAME AS 1A1A1C1	Filter
1A1A3F1		SAME AS 1A1A1F1	SAME AS 1A1A1F1
1A1A3F2		SAME AS 1A1A1F1	4.5 vdc Fig. 1-4
1A1A3F3		SAME AS 1A1A1F3	SAME AS 1A1A1F3
1A1A3J1A THRU 1A1A3J1G		SAME AS 1A1A1J1A	Plug-in card jack Fig. 8-169
1A1A3J2A THRU 1A1A3J2G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J3A THRU 1A1A3J3G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J4A THRU 1A1A3J4G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J5A THRU 1A1A3J5G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A3J6A THRU 1A1A3J6G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J7A THRU 1A1A3J7G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J8A THRU 1A1A3J8G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J9A THRU 1A1A3J9G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J10A THRU 1A1A3J10G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J11A THRU 1A1A3J11G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J12A THRU 1A1A3J12G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J13A THRU 1A1A3J13G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J14A THRU 1A1A3J14G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A3J15A THRU 1A1A3J15G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J16A THRU 1A1A3J16G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J17A THRU 1A1A3J17G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J18A THRU 1A1A3J18G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J19A THRU 1A1A3J19G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J20A THRU 1A1A3J20G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J21A THRU 1A1A3J21G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J22A THRU 1A1A3J22G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J23A THRU 1A1A3J23G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A3J24A THRU 1A1A3J24G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J25A THRU 1A1A3J25G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J26A THRU 1A1A3J26G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J27A THRU 1A1A3J27G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J28A THRU 1A1A3J28G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J29A THRU 1A1A3J29G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J30A THRU 1A1A3J30G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J31A THRU 1A1A3J31G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J32A THRU 1A1A3J32G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A3J33A THRU 1A1A3J33G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J34A THRU 1A1A3J34G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J35A THRU 1A1A3J35G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J36A THRU 1A1A3J36G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J37A THRU 1A1A3J37G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J38A THRU 1A1A3J38G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J39A THRU 1A1A3J39G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J40A THRU 1A1A3J40G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J41A THRU 1A1A3J41G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A3J42A THRU 1A1A3J42G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J43A THRU 1A1A3J43G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J44A THRU 1A1A3J44G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J45A THRU 1A1A3J45G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J46A THRU 1A1A3J46G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J47A THRU 1A1A3J47G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J48A THRU 1A1A3J48G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J49A THRU 1A1A3J49G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J50A THRU 1A1A3J50G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A3J51A THRU 1A1A3J51G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J52A THRU 1A1A3J52G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J53A THRU 1A1A3J53G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J54A THRU 1A1A3J54G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J55A THRU 1A1A3J55G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J56A THRU 1A1A3J56G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J57B THRU 1A1A3J57G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J58B THRU 1A1A3J58G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J59B THRU 1A1A3J59G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A3J60B THRU 1A1A3J60G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J61B THRU 1A1A3J61G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J62B THRU 1A1A3J62G		SAME AS 1A1A1J1A	SAME AS 1A1A3J1A
1A1A3J1		SAME AS 1A1A1J1	SAME AS 1A1A1J1
1A1A3J2		SAME AS 1A1A1J1	SAME AS 1A1A1J1
1A1A3J3		SAME AS 1A1A1J1	SAME AS 1A1A1J1
1A1A3J4		SAME AS 1A1A1J4	SAME AS 1A1A1J1
1A1A3J5		SAME AS 1A1A1J1	SAME AS 1A1A1J1
1A1A3J6		SAME AS 1A1A1J1	SAME AS 1A1A1J1
1A1A3J7		SAME AS 1A1A1J1	SAME AS 1A1A1J1
1A1A3J8		SAME AS 1A1A1J1	SAME AS 1A1A1J1
1A1A3J9		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A3J10		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A3J11		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A3J12		SAME AS 1A1A1J9	SAME AS 1A1A1J9

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A3J13		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A3J14		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A3J15		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A3J16		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A3J17		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A3J18		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A3J19		SAME AS 1A1A1J9	SAME AS 1A1A1J9
1A1A3W1		SAME AS 1A1A1W1	SAME AS 1A1A1W1
1A1A3W2		SAME AS 1A1A1W2	SAME AS 1A1A1W1
1A1A3W3		SAME AS 1A1A1W3	SAME AS 1A1A1W1
1A1A3XF1		SAME AS 1A1A1XF1	SAME AS 1A1A1XF1
1A1A3XF2		SAME AS 1A1A1XF1	SAME AS 1A1A1XF1
1A1A3XF3		SAME AS 1A1A1XF1	SAME AS 1A1A1XF1
1A1A3A1		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A3A2		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A3A3		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A3A4		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A3A5		SAME AS 1A1A1A1	SAME AS 1A1A1A1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A3A6		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A3A7		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A3A8		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A3A9		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A3A10		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A3A11		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A3A12		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A4		SAME AS 1A1A3	Digital to digital converter Fig. 1-2
1A1A5		CONVERTER,DIGITAL TO DIGITAL: Arithmetic unit; contains 42 capacitors, 3 fuses, 3 fuseholders, 436 connectors, 11 jack assemblies, 3 busbars, 12 capacitor assemblies, 3 diodes, and 406 circuit card assemblies; operating power requirements 115 vac, 400 cps, 3-phase; over-all dim. 4.25 by 23 by 32 in.; MFD BY 90536 , PART NO. 7008400-02	Arithmetic unit Fig. 1-2
1A1A5CR1		SAME AS 1A1A1CR1	Overvoltage prot Fig. 4-117
1A1A5CR2		SAME AS 1A1A1CR1	SAME AS 1A1A5CR1
1A1A5CR3		SAME AS 1A1A1CR1	SAME AS 1A1A5CR1
1A1A5C1		SAME AS 1A1A1C1	Filter

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A5C2		SAME AS 1A1A1C1	Filter
1A1A5C3		SAME AS 1A1A1C1	Filter
1A1A5C4		SAME AS 1A1A1C1	Filter
1A1A5C5		SAME AS 1A1A1C1	Filter
1A1A5C6		SAME AS 1A1A1C1	Filter
1A1A5C7		SAME AS 1A1A1C1	Filter
1A1A5C8		SAME AS 1A1A1C1	Filter
1A1A5C9		SAME AS 1A1A1C1	Filter
1A1A5C10		SAME AS 1A1A1C1	Filter
1A1A5C11		SAME AS 1A1A1C1	Filter
1A1A5C12		SAME AS 1A1A1C1	Filter
1A1A5C13		SAME AS 1A1A1C1	Filter
1A1A5C14		SAME AS 1A1A1C1	Filter
1A1A5C15		SAME AS 1A1A1C1	Filter
1A1A5C16		SAME AS 1A1A1C1	Filter
1A1A5C17		SAME AS 1A1A1C1	Filter
1A1A5C18		SAME AS 1A1A1C1	Filter
1A1A5C19		SAME AS 1A1A1C1	Filter

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A5C20		SAME AS 1A1A1C1	Filter
1A1A5C21		SAME AS 1A1A1C1	Filter
1A1A5C22		SAME AS 1A1A1C1	Filter
1A1A5C23		SAME AS 1A1A1C1	Filter
1A1A5C24		SAME AS 1A1A1C1	Filter
1A1A5C25		SAME AS 1A1A1C1	Filter
1A1A5C26		SAME AS 1A1A1C1	Filter
1A1A5C27		SAME AS 1A1A1C1	Filter
1A1A5C28		SAME AS 1A1A1C1	Filter
1A1A5C29		SAME AS 1A1A1C1	Filter
1A1A5C30		SAME AS 1A1A1C1	Filter
1A1A5C31		SAME AS 1A1A1C1	Filter
1A1A5C32		SAME AS 1A1A1C1	Filter
1A1A5C33		SAME AS 1A1A1C1	Filter
1A1A5C35		SAME AS 1A1A1C1	Filter
1A1A5C34		SAME AS 1A1A1C1	Filter
1A1A5C36		SAME AS 1A1A1C1	Filter
1A1A5C37		SAME AS 1A1A1C1	Filter

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A5C38		SAME AS 1A1A1C1	Filter
1A1A5C39		SAME AS 1A1A1C1	Filter
1A1A5C40		SAME AS 1A1A1C1	Filter
1A1A5C41		SAME AS 1A1A1C1	Filter
1A1A5C42		SAME AS 1A1A1C1	Filter
1A1A5F1		FUSE,CARTRIDGE; 15 amp, 250 v, normal instantaneous; MIL-F-15160; MIL NO. F03A250V15AS	-15 vdc Fig. 4-117
1A1A5F2		SAME AS 1A1A5F1	-4.5 vdc Fig. 4-117
1A1A5F3		FUSE,CARTRIDGE; 5 amp, 250 v, normal instantaneous; MIL-F-15160; MIL NO. F02A250V5AS	+15 vdc Fig. 4-117
1A1A5J1A THRU 1A1A5J1G		SAME AS 1A1A1J1A	Plug-in card jack Fig. 8-171
1A1A5J2A THRU 1A1A5J2G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J3A THRU 1A1A5J3G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J4A THRU 1A1A5J4G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A5J5A THRU 1A1A5J5G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J6A THRU 1A1A5J6G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J7A THRU 1A1A5J7G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J8A THRU 1A1A5J8G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J9A THRU 1A1A5J9G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J10A THRU 1A1A5J10G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J11A THRU 1A1A5J11G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J12A THRU 1A1A5J12G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J13A THRU 1A1A5J13G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A5J14A THRU 1A1A5J14G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J15A THRU 1A1A5J15G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J16A THRU 1A1A5J16G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J17A THRU 1A1A5J17G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J18A THRU 1A1A5J18G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J19A THRU 1A1A5J19G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J20A THRU 1A1A5J20G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J21A THRU 1A1A5J21G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J22A THRU 1A1A5J22G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A5J23A THRU 1A1A5J23G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J24A THRU 1A1A5J24G		SAME AS 1A1A J1A	SAME AS 1A1A5J1A
1A1A5J25A THRU 1A1A5J25G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J26A THRU 1A1A5J26G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J27A THRU 1A1A5J27G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J28A THRU 1A1A5J28G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J29A THRU 1A1A5J29G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J30A THRU 1A1A5J30G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J31A THRU 1A1A5J31G		SAME AS 1A A1J1A	SAME AS 1A1A5J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A5J32A THRU 1A1A5J32G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J33A THRU 1A1A5J33G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J34A THRU 1A1A5J34G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J35A THRU 1A1A5J35G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J36A THRU 1A1A5J36G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J37A THRU 1A1A5J37G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J38A THRU 1A1A5J38G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J39A THRU 1A1A5J39G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J40A THRU 1A1A5J40G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A5J41A THRU 1A1A5J41G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J42A THRU 1A1A5J42G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J43A THRU 1A1A5J43G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J44A THRU 1A1A5J44G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J45A THRU 1A1A5J45G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J46A THRU 1A1A5J46G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J47A THRU 1A1A5J47G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J48A THRU 1A1A5J48G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J49A THRU 1A1A5J49G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A5J50A THRU 1A1A5J50G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J51A THRU 1A1A5J51G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J52A THRU 1A1A5J52G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J53A THRU 1A1A5J53G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J54A THRU 1A1A5J54G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J55A THRU 1A1A5J55G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J56A THRU 1A1A5J56G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J57B THRU 1A1A5J57G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J58B THRU 1A1A5J58G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A5J59B THRU 1A1A5J59G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J60B THRU 1A1A5J60G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J61B THRU 1A1A5J61G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J62B THRU 1A1A5J62G		SAME AS 1A1A1J1A	SAME AS 1A1A5J1A
1A1A5J1		SAME AS 1A1A1J1	Intracabinet connector Fig. 4-117
1A1A5J2		SAME AS 1A1A1J1	SAME AS 1A1A5J1
1A1A5J3		SAME AS 1A1A1J1	SAME AS 1A1A5J1
1A1A5J4		SAME AS 1A1A1J1	SAME AS 1A1A5J1
1A1A5J5		SAME AS 1A1A1J1	SAME AS 1A1A5J1
1A1A5J6		SAME AS 1A1A1J1	SAME AS 1A1A5J1
1A1A5J7		SAME AS 1A1A1J1	SAME AS 1A1A5J1
1A1A5J8		SAME AS 1A1A1J4	SAME AS 1A1A5J1
1A1A5J9		SAME AS 1A1A1J9	SAME AS 1A1A5J1
1A1A5J10		SAME AS 1A1A1J9	Test block Fig. 4-117

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A5J11		SAME AS 1A1A1J9	SAME AS 1A1A5J10
1A1A5J12		SAME AS 1A1A1J9	SAME AS 1A1A5J10
1A1A5J13		SAME AS 1A1A1J9	SAME AS 1A1A5J10
1A1A5J14		SAME AS 1A1A1J9	SAME AS 1A1A5J10
1A1A5J15		SAME AS 1A1A1J9	SAME AS 1A1A5J10
1A1A5J16		SAME AS 1A1A1J9	SAME AS 1A1A5J10
1A1A5J17		SAME AS 1A1A1J9	SAME AS 1A1A5J10
1A1A5J18		SAME AS 1A1A1J9	SAME AS 1A1A5J10
1A1A5J19		SAME AS 1A1A1J9	SAME AS 1A1A5J10
1A1A5W1		SAME AS 1A1A1W1	Circuit junction
1A1A5W2		SAME AS 1A1A1W2	SAME AS 1A1A5W1
1A1A5W3		SAME AS 1A1A1W3	SAME AS 1A1A5W1
1A1A5XF1		SAME AS 1A1A1XF1	Fuse retainer Fig. 4-117
1A1A5XF2		SAME AS 1A1A1XF1	SAME AS 1A1A5XF1
1A1A5XF3		SAME AS 1A1A1XF1	SAME AS 1A1A5XF1
1A1A5A1		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A5A2		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A5A3		SAME AS 1A1A1A1	SAME AS 1A1A1A1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A5A4		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A5A5		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A5A6		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A5A7		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A5A8		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A5A9		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A5A10		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A5A11		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A5A12		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A6		CONVERTER,DIGITAL TO DIGITAL: Computer control; contains 42 capacitors, 3 fuses, 3 diodes, 3 fuseholders, 3 bus-bars, 436 connectors, 11 jack assemb-lies, 12 capacitor assemblies, and 421 circuit card assemblies; operating power re uirements 115 vac, 400 cps, 3-phase; over-all dim. 4.25 by 23 by 32 in.; MFD BY 90536 , PART NO. 7008400-03	Computer control Fig. 1-2
1A1A6CR1		SAME AS 1A1A1CR1	SAME AS 1A1A5CR1
1A1A6CR2		SAME AS 1A1A1CR1	SAME AS 1A1A5CR1
1A1A6CR3		SAME AS 1A1A1CR1	SAME AS 1A1A5CR1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A6C1		SAME AS 1A1A1C1	Filter
1A1A6C2		SAME AS 1A1A1C1	Filter
1A1A6C3		SAME AS 1A1A1C1	Filter
1A1A6C4		SAME AS 1A1A1C1	Filter
1A1A6C5		SAME AS 1A1A1C1	Filter
1A1A6C6		SAME AS 1A1A1C1	Filter
1A1A6C7		SAME AS 1A1A1C1	Filter
1A1A6C8		SAME AS 1A1A1C1	Filter
1A1A6C9		SAME AS 1A1A1C1	Filter
1A1A6C10		SAME AS 1A1A1C1	Filter
1A1A6C11		SAME AS 1A1A1C1	Filter
1A1A6C12		SAME AS 1A1A1C1	Filter
1A1A6C13		SAME AS 1A1A1C1	Filter
1A1A6C14		SAME AS 1A1A1C1	Filter
1A1A6C15		SAME AS 1A1A1C1	Filter
1A1A6C16		SAME AS 1A1A1C1	Filter
1A1A6C17		SAME AS 1A1A1C1	Filter
1A1A6C18		SAME AS 1A1A1C1	Filter

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A6C19		SAME AS 1A1A1C1	Filter
1A1A6C20		SAME AS 1A1A1C1	Filter
1A1A6C21		SAME AS 1A1A1C1	Filter
1A1A6C22		SAME AS 1A1A1C1	Filter
1A1A6C23		SAME AS 1A1A1C1	Filter
1A1A6C24		SAME AS 1A1A1C1	Filter
1A1A6C25		SAME AS 1A1A1C1	Filter
1A1A6C26		SAME AS 1A1A1C1	Filter
1A1A6C27		SAME AS 1A1A1C1	Filter
1A1A6C28		SAME AS 1A1A1C1	Filter
1A1A6C29		SAME AS 1A1A1C1	Filter
1A1A6C30		SAME AS 1A1A1C1	Filter
1A1A6C31		SAME AS 1A1A1C1	Filter
1A1A6C32		SAME AS 1A1A1C1	Filter
1A1A6C33		SAME AS 1A1A1C1	Filter
1A1A6C34		SAME AS 1A1A1C1	Filter
1A1A6C35		SAME AS 1A1A1C1	Filter
1A1A6C36		SAME AS 1A1A1C1	Filter

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MAINTENANCE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A6C37		SAME AS 1A1A1C1	Filter
1A1A6C38		SAME AS 1A1A1C1	Filter
1A1A6C39		SAME AS 1A1A1C1	Filter
1A1A6C40		SAME AS 1A1A1C1	Filter
1A1A6C41		SAME AS 1A1A1C1	Filter
1A1A6C42		SAME AS 1A1A1C1	Filter
1A1A6F1		SAME AS 1A1A5F1	-15 vdc Fig. 4-117
1A1A6F2		SAME AS 1A1A5F1	-4.5 vdc Fig. 4-117
1A1A6F3		SAME AS 1A1AF53	+15 vdc Fig. 4-117
1A1A6J1A THRU 1A1A6J1G		SAME AS 1A1A1J1A	Plug-in card jack Fig. 8-172
			SAME AS 1A1A6J1A
1A1A6J2A THRU 1A1A6J2G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J3A THRU 1A1A6J3G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J4A THRU 1A1A6J4G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J5A		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
THRU			
1A1A6J5G		SAME AS 1A1A1J1A	
1A1A6J6A		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
THRU			
1A1A6J6G		SAME AS 1A1A1J1A	
1A1A6J7A		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
THRU			
1A1A6J7G		SAME AS 1A1A1J1A	
1A1A6J8A		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
THRU			
1A1A6J8G		SAME AS 1A1A1J1A	
1A1A6J9A		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
THRU			
1A1A6J9G		SAME AS 1A1A1J1A	
1A1A6J10A		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
THRU			
1A1A6J10G		SAME AS 1A1A1J1A	
1A1A6J11A		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
THRU			
1A1A6J11G		SAME AS 1A1A1J1A	
1A1A6J12A		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
THRU			
1A1A6J12G		SAME AS 1A1A1J1A	
1A1A6J13A		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
THRU			
1A1A6J13G		SAME AS 1A1A1J1A	

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A6J14A THRU 1A1A6J14G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J15A THRU 1A1A6J15G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J16A THRU 1A1A6J16G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J17A THRU 1A1A6J17G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J18A THRU 1A1A6J18G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J19A THRU 1A1A6J19G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J20A THRU 1A1A6J20G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J21A THRU 1A1A6J21G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J22A THRU 1A1A6J22G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
A6			
1A1A6J23A THRU 1A1A6J23G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J24A THRU 1A1A6J24G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J25A THRU 1A1A6J25G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J26A THRU 1A1A6J26G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J27A THRU 1A1A6J27G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J28A THRU 1A1A6J28G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J29A THRU 1A1A6J29G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J30A THRU 1A1A6J30G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J31A THRU 1A1A6J31G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A6J32A THRU 1A1A6J32G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J33A THRU 1A1A6J33G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J34A THRU 1A1A6J34G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J35A THRU 1A1A6J35G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J36A THRU 1A1A6J36G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J37A THRU 1A1A6J37G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J38A THRU 1A1A6J38G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J39A THRU 1A1A6J39G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J40A THRU 1A1A6J40G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

	REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
A6J4	1A1A6J41A THRU 1A1A6J41G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
	1A1A6J42A THRU 1A1A6J42G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
	1A1A6J43A THRU 1A1A6J43G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
	1A1A6J44A THRU 1A1A6J44G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
	1A1A6J45A THRU 1A1A6J45G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
	1A1A6J46A THRU 1A1A6J46G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
	1A1A6J47A THRU 1A1A6J47G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
	1A1A6J48A THRU 1A1A6J48G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
	1A1A6J49A THRU 1A1A6J49G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A6J50A THRU 1A1A6J50G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J51A THRU 1A1A6J51G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J52A THRU 1A1A6J52G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J53A THRU 1A1A6J53G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J54A THRU 1A1A6J54G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J55A THRU 1A1A6J55G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J56A THRU 1A1A6J56G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J57B THRU 1A1A6J57G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J58B THRU 1A1A6J58G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A6J59B THRU 1A1A6J59G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J60B THRU 1A1A6J60G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J61B THRU 1A1A6J61G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J62B THRU 1A1A6J62G		SAME AS 1A1A1J1A	SAME AS 1A1A6J1A
1A1A6J1		SAME AS 1A1A1J1	Intracabinet connector Fig. 4-117
1A1A6J2		SAME AS 1A1A1J1	SAME AS 1A1A6J1
1A1A6J3		SAME AS 1A1A1J1	SAME AS 1A1A6J1
1A1A6J4		SAME AS 1A1A1J1	SAME AS 1A1A6J1
1A1A6J5		SAME AS 1A1A1J1	SAME AS 1A1A6J1
1A1A6J6		SAME AS 1A1A1J1	SAME AS 1A1A6J1
1A1A6J7		SAME AS 1A1A1J1	SAME AS 1A1A6J1
1A1A6J8		SAME AS 1A1A1J4	SAME AS 1A1A6J1
1A1A6J9		SAME AS 1A1A1J9	Test block Fig. 4-117
1A1A6J10		SAME AS 1A1A1J9	SAME AS 1A1A6J9

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A6J11		SAME AS 1A1A1J9	SAME AS 1A1A6J9
1A1A6J12		SAME AS 1A1A1J9	SAME AS 1A1A6J9
1A1A6J13		SAME AS 1A1A1J9	SAME AS 1A1A6J9
1A1A6J14		SAME AS 1A1A1J9	SAME AS 1A1A6J9
1A1A6J15		SAME AS 1A1A1J9	SAME AS 1A1A6J9
1A1A6J16		SAME AS 1A1A1J9	SAME AS 1A1A6J9
1A1A6J17		SAME AS 1A1A1J9	SAME AS 1A1A6J9
1A1A6J18		SAME AS 1A1A1J9	SAME AS 1A1A6J9
1A1A6J19		SAME AS 1A1A1J9	SAME AS 1A1A6J9
1A1A6W1		SAME AS 1A1A1W1	Circuit junction
1A1A6W2		SAME AS 1A1A1W2	SAME AS 1A1A6W1
1A1A6W3		SAME AS 1A1A1W3	SAME AS 1A1A6W1
1A1A6XF1		SAME AS 1A1A1XF1	Fuse retainer Fig. 4-117
1A1A6XF2		SAME AS 1A1A1XF1	SAME AS 1A1A6XF1
1A1A6XF3		SAME AS 1A1A1XF1	SAME AS 1A1A6XF1
1A1A6A1		SAME AS 1A1A1A1	Filter assembly
1A1A6A2		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A6A3		SAME AS 1A1A1A1	SAME AS 1A1A1A1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A6A4		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A6A5		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A6A6		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A6A7		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A6A8		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A6A9		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A6A10		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A6A11		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A6A12		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A7		CONVERTER,DIGITAL TO DIGITAL: Computer control; contains 42 capacitors, 3 fuses, 3 diodes, 3 fuseholders, 3 bus-bars, 436 connectors, 11 jack assemb-lies, 12 capacitor assemblies, and 436 circuit card assemblies; operating power requirements 115 vac, 400 cps, 3-phase; over-all dim. 4.25 by 23 by 32 in.; MFD BY 90536, PART NO. 7008400-04	Computer control Fig. 4-2
1A1A7CR1		SAME AS 1A1A1CR1	Overvoltage prot Fig. 4-117
1A1A7CR2		SAME AS 1A1A1CR1	SAME AS 1A1A7CR1
1A1A7CR3		SAME AS 1A1A1CR1	SAME AS 1A1A7CR1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A7C1		SAME AS 1A1A1C1	Filter
1A1A7C2		SAME AS 1A1A1C1	Filter
1A1A7C3		SAME AS 1A1A1C1	Filter
1A1A7C4		SAME AS 1A1A1C1	Filter
1A1A7C5		SAME AS 1A1A1C1	Filter
1A1A7C6		SAME AS 1A1A1C1	Filter
1A1A7C7		SAME AS 1A1A1C1	Filter
1A1A7C8		SAME AS 1A1A1C1	Filter
1A1A7C9		SAME AS 1A1A1C1	Filter
1A1A7C10		SAME AS 1A1A1C1	Filter
1A1A7C11		SAME AS 1A1A1C1	Filter
1A1A7C12		SAME AS 1A1A1C1	Filter
1A1A7C13		SAME AS 1A1A1C1	Filter
1A1A7C14		SAME AS 1A1A1C1	Filter
1A1A7C15		SAME AS 1A1A1C1	Filter
1A1A7C16		SAME AS 1A1A1C1	Filter
1A1A7C17		SAME AS 1A1A1C1	Filter
1A1A7C18		SAME AS 1A1A1C1	Filter

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A7C19		SAME AS 1A1A1C1	Filter
1A1A7C20		SAME AS 1A1A1C1	Filter
1A1A7C21		SAME AS 1A1A1C1	Filter
1A1A7C22		SAME AS 1A1A1C1	Filter
1A1A7C23		SAME AS 1A1A1C1	Filter
1A1A7C24		SAME AS 1A1A1C1	Filter
1A1A7C25		SAME AS 1A1A1C1	Filter
1A1A7C26		SAME AS 1A1A1C1	Filter
1A1A7C27		SAME AS 1A1A1C1	Filter
1A1A7C28		SAME AS 1A1A1C1	Filter
1A1A7C29		SAME AS 1A1A1C1	Filter
1A1A7C30		SAME AS 1A1A1C1	Filter
1A1A7C31		SAME AS 1A1A1C1	Filter
1A1A7C32		SAME AS 1A1A1C1	Filter
1A1A7C33		SAME AS 1A1A1C1	Filter
1A1A7C34		SAME AS 1A1A1C1	Filter
1A1A7C35		SAME AS 1A1A1C1	Filter
1A1A7C36		SAME AS 1A1A1C1	Filter

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A7C37		SAME AS 1A1A1C1	Filter
1A1A7C38		SAME AS 1A1A1C1	Filter
1A1A7C39		SAME AS 1A1A1C1	Filter
1A1A7C40		SAME AS 1A1A1C1	Filter
1A1A7C41		SAME AS 1A1A1C1	Filter
1A1A7C42		SAME AS 1A1A1C1	Filter
1A1A7F1		FUSE,CARTRIDGE; 20 amp, 125 vdc, normal instantaneous; MIL-F-15160; MIL NO. F03A125V20AS	-15 vdc Fig. 4-117
1A1A7F2		SAME AS 1A1A5F1	-4.5 vdc Fig. 4-117
1A1A7F3		SAME AS 1A1A5F3	+15 vdc Fig. 4-117
1A1A7J1A THRU 1A1A7J1G		SAME AS 1A1A1J1A	Plug-in card jack Fig. 8-173
1A1A7J2A THRU 1A1A7J2G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J3A THRU 1A1A7J3G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J4A THRU 1A1A7J4G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A7J5A THRU 1A1A7J5G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J6A THRU 1A1A7J6G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J7A THRU 1A1A7J7G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J8A THRU 1A1A7J8G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J9A THRU 1A1A7J9G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J10A THRU 1A1A7J10G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J11A THRU 1A1A7J11G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J12A THRU 1A1A7J12G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J13A THRU 1A1A7J13G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A7J14A THRU 1A1A7J14G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J15A THRU 1A1A7J15G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J16A THRU 1A1A7J16G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J17A THRU 1A1A7J17G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J18A THRU 1A1A7J18G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J19A THRU 1A1A7J19G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J20A THRU 1A1A7J20G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J21A THRU 1A1A7J21G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J22A THRU 1A1A7J22G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A7J23A THRU 1A1A7J23G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J24A THRU 1A1A7J24G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J25A THRU 1A1A7J25G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J26A THRU 1A1A7J26G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J27A THRU 1A1A7J27G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J28A THRU 1A1A7J28G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J29A THRU 1A1A7J29G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J30A THRU 1A1A7J30G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J31A THRU 1A1A7J31G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A7J32A THRU 1A1A7J32G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J33A THRU 1A1A7J33G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J34A THRU 1A1A7J34G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J35A THRU 1A1A7J35G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J36A THRU 1A1A7J36G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J37A THRU 1A1A7J37G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J38A THRU 1A1A7J38G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J39A THRU 1A1A7J39G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J40A THRU 1A1A7J40G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A7J41A THRU 1A1A7J41G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J42A THRU 1A1A7J42G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J43A THRU 1A1A7J43G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J44A THRU 1A1A7J44G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J45A THRU 1A1A7J45G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J46A THRU 1A1A7J46G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J47A THRU 1A1A7J47G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J48A THRU 1A1A7J48G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J49A THRU 1A1A7J49G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A7J50A THRU 1A1A7J50G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J51A THRU 1A1A7J51G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J52A THRU 1A1A7J52G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J53A THRU 1A1A7J53G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J54A THRU 1A1A7J54G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J55A THRU 1A1A7J55G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J56A THRU 1A1A7J56G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J57B THRU 1A1A7J57G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J58B THRU 1A1A7J58G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A7J59B THRU 1A1A7J59G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J60B THRU 1A1A7J60G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J61B THRU 1A1A7J61G		SAME AS 1A1A1J1A	SAME AS 1A1A7J1A
1A1A7J62B THRU 1A1A7J62G		SAME AS 1A1A J1A	SAME AS 1A1A7J1A
1A1A7J1		SAME AS 1A1A1J1	Intracabinet connector Fig. 4-117
1A1A7J2		SAME AS 1A1A1J1	SAME AS 1A1A7J1
1A1A7J3		SAME AS 1A1A1J1	SAME AS 1A1A7J1
1A1A7J4		SAME AS 1A1A1J1	SAME AS 1A1A7J1
1A1A7J5		SAME AS 1A1A1J1	SAME AS 1A1A7J1
1A1A7J6		SAME AS 1A1A1J1	SAME AS 1A1A7J1
1A1A7J7		SAME AS 1A1A1J1	SAME AS 1A1A7J1
1A1A7J8		SAME AS 1A1A1J4	SAME AS 1A1A7J1
1A1A7J9		SAME AS 1A1A1J9	SAME AS 1A1A7J1
1A1A7J10		SAME AS 1A1A1J9	Test block Fig. 4-117

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A7J11		SAME AS 1A1A1J9	SAME AS 1A1A7J10
1A1A7J12		SAME AS 1A1A1J9	SAME AS 1A1A7J10
1A1A7J13		SAME AS 1A1A1J9	SAME AS 1A1A7J10
1A1A7J14		SAME AS 1A1A1J9	SAME AS 1A1A7J10
1A1A7J15		SAME AS 1A1A1J9	SAME AS 1A1A7J10
1A1A7J16		SAME AS 1A1A1J9	SAME AS 1A1A7J10
1A1A7J17		SAME AS 1A1A1J9	SAME AS 1A1A7J10
1A1A7J18		SAME AS 1A1A1J9	SAME AS 1A1A7J10
1A1A7J19		SAME AS 1A1A1J9	SAME AS 1A1A7J10
1A1A7W1		SAME AS 1A1A1W1	Circuit junction
1A1A7W2		SAME AS 1A1A1W2	Circuit junction
1A1A7W3		SAME AS 1A1A1W3	Circuit junction
1A1A7XF1		SAME AS 1A1A1XF1	Fuse retainer Fig. 4-117
1A1A7XF2		SAME AS 1A1A1XF1	SAME AS 1A1A7XF1
1A1A7XF3		SAME AS 1A1A1XF1	SAME AS 1A1A7XF1
1A1A7A1		SAME AS 1A1A1A1	Filter assembly
1A1A7A2		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A7A3		SAME AS 1A1A1A1	SAME AS 1A1A1A1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A7A4		SAME AS 1A1A1A1	Filter assembly
1A1A7A5		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A7A6		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A7A7		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A7A8		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A7A9		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A7A10		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A7A11		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A7A12		SAME AS 1A1A1A1	SAME AS 1A1A1A1
1A1A8		MEMORY UNIT MFD BY 90536 , PART NO. 7033909-00	Film memory unit Fig. 1-2

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A9		CORE MEMORY UNIT; Contains 44 capacitors, 4 resistors, 4 fuses, 3 diodes, 4 fuseholders, 186 connectors, 1 switch, 4 jack assemblies, and 153 circuit card assemblies; operating power requirements 115 vac, 400 cps, 3-phase; over-all dim. 4.25 by 23by 32 in.; MFD BY 90536 , PART NO. 7008420-00	Memory unit Fig. 1-2
1A1A9CR1		SAME AS 1A1A1CR1	Overvoltage prot
1A1A9CR2		SAME AS 1A1A1CR1	SAME AS 1A1A9CR1
1A1A9CR3		SAME AS 1A1A1CR1	SAME AS 1A1A9CR1
1A1A9C1		CAPACITOR, FIXED, ELECTROLYTIC; 30 vdc, 220 uf, -15 pct, +75 pct; -55 deg C(-67 deg F) to +85 deg C(+185 deg F) operating temp range; metal case, insulated, hermetically sealed, 0.39 in. dia, 2.188 in. lg; MIL-C-3965; MIL NO. CL25BH221UP3	Filter

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A9C2		SAME AS 1A1A9C1	Filter
1A1A9C3		SAME AS 1A1A1C1	Filter
1A1A9C4		SAME AS 1A1A1C1	Filter
1A1A9C5		SAME AS 1A1A1C1	Filter
1A1A9C6		SAME AS 1A1A1C1	Filter
1A1A9C7		SAME AS 1A1A1C1	Filter
1A1A9C8		SAME AS 1A1A1C1	Filter
1A1A9C9		SAME AS 1A1A1C1	Filter
1A1A9C10		SAME AS 1A1A1C1	Filter
1A1A9C11		SAME AS 1A1A1C1	Filter
1A1A9C12		SAME AS 1A1A1C1	Filter
1A1A9C13		SAME AS 1A1A1C1	Filter
1A1A9C14		SAME AS 1A1A1C1	Filter
1A1A9C15		SAME AS 1A1A1C1	Filter
1A1A9C16		SAME AS 1A1A1C1	Filter
1A1A9C17		SAME AS 1A1A1C1	Filter
1A1A9C18		SAME AS 1A1A1C1	Filter

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A9C19		SAME AS 1A1A1C1	Filter
1A1A9C20		SAME AS 1A1A1C1	Filter
1A1A9C21		SAME AS 1A1A1C1	Filter
1A1A9C22		SAME AS 1A1A1C1	Filter
1A1A9C23		SAME AS 1A1A1C1	Filter
1A1A9C24		SAME AS 1A1A1C1	Filter
1A1A9C25		SAME AS 1A1A1C1	Filter
1A1A9C26		SAME AS 1A1A1C1	Filter
1A1A9C27		SAME AS 1A1A1C1	Filter
1A1A9C28		SAME AS 1A1A1C1	Filter
1A1A9C29		SAME AS 1A1A1C1	Filter
1A1A9C30		SAME AS 1A1A1C1	Filter
1A1A9C31		SAME AS 1A1A1C1	Filter
1A1A9C32		SAME AS 1A1A1C1	Filter
1A1A9C33		SAME AS 1A1A1C1	Filter
1A1A9C34		SAME AS 1A1A1C1	Filter
1A1A9C35		SAME AS 1A1A1C1	Filter
1A1A9C36		SAME AS 1A1A1C1	Filter

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A9C37		SAME AS 1A1A1C1	Filter
1A1A9C38		SAME AS 1A1A1C1	Filter
1A1A9C39		SAME AS 1A1A1C1	Filter
1A1A9C40		SAME AS 1A1A1C1	Filter
1A1A9C41		SAME AS 1A1A1C1	Filter
1A1A9C42		SAME AS 1A1A1C1	Filter
1A1A9C43		SAME AS 1A1A1C1	Filter
1A1A9C44		SAME AS 1A1A1C1	Filter
1A1A9F1		SAME AS 1A1A5F3	-15 vdc Fig. 6-1
1A1A9F2		SAME AS 1A1A8F5	SAME AS 1A1A9F1
1A1A9F3		SAME AS 1A1A5F3	+15 vdc Fig. 6-1
1A1A9F4		SAME AS 1A1A5F3	+10 vdc Fig. 6-1
1A1A9J0A		SAME AS 1A1A1J1A	Plug-in card jack
1A1A9J0B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J0C		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J0G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J1A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J1B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A9J1C		CONNECTOR, RECEPTACLE, ELECTRICAL: Arc resistant plastic dielectric; MFD BY 12357 , PART NO. EC9294	SAME AS 1A1A9J0A
1A1A9J1G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J2A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J2B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J2C		SAME AS 1A1A9J1C	SAME AS 1A1A9J0A
1A1A9J2D		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J2E		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J2F		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J2G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J3A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J3B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J3C		SAME AS 1A1A9J1C	SAME AS 1A1A9J0A
1A1A9J3D		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J3E		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J3F		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J3G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J4A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A9J4B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J4C		SAME AS 1A1A9J1C	SAME AS 1A1A9J0A
1A1A9J4D		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J4E		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J4F		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J4G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J5A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J5B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J5C		SAME AS 1A1A9J1C	SAME AS 1A1A9J0A
1A1A9J5D		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J5E		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J5F		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J5G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J6A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J6B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J6C		SAME AS 1A1A9J1C	SAME AS 1A1A9J0A
1A1A9J6D		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J6E		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A9J6F		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J6G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J7A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J7B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J7C		SAME AS 1A1A9J1C	SAME AS 1A1A9J0A
1A1A9J7D		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J7E		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J7F		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J7G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J8A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J8B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J8C		SAME AS 1A1A9J1C	SAME AS 1A1A9J0A
1A1A9J8D		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J8E		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J8F		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J8G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J9A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J9B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A9J9C		SAME AS 1A1A9J1C	SAME AS 1A1A9J0A
1A1A9J9D		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J9E		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J9F		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J9G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J10A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J10B		SAME AS 1A1A9J1C	SAME AS 1A1A9J0A
1A1A9J10C		SAME AS 1A1A9J1C	SAME AS 1A1A9J0A
1A1A9J10D		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J10E		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J10F		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J10G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J11A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J11B		SAME AS 1A1A9J1C	SAME AS 1A1A9J0A
1A1A9J11C		SAME AS 1A1A9J1C	SAME AS 1A1A9J0A
1A1A9J11D		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J11E		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J11F		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A9J11G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J12A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J12B		SAME AS 1A1A9J1C	SAME AS 1A1A9J0A
1A1A9J12C		SAME AS 1A1A9J1C	SAME AS 1A1A9J0A
1A1A9J12D		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J12E		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J12F		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J12G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J13A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J13B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J13C		SAME AS 1A1A9J1C	SAME AS 1A1A9J0A
1A1A9J13D		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J13E		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J13F		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J13G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J14B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J14G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J15B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A9J15G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J16B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J16G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J17B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J17G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J18B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J18G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J19B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J19G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J20B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J20G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J21B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J2 G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J22B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J22G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J23B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J23G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J24B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A9J24G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J25A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J25B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J25G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J26A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J26B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J26G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J27A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J27B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J27G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J28A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J28B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J28G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J29A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J29B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J29G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J30A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J30B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A9J30G		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J31A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J31B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J31C		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J31D		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J31E		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J31F		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J32A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J32B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J32C		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J32D		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J32E		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J32F		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J33A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J33B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J33C		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J33D		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J33E		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A9J33F		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J34A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J34B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J34C		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J34D		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J34E		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J34F		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J35A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J35B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J35C		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J35D		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J35E		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J35F		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J36A		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J36B		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J36C		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J36D		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A
1A1A9J36E		SAME AS 1A1A1J1A	SAME AS 1A1A9J0A

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION		LOCATING FUNCTION
1A1A9J36F		SAME AS 1A1A1J1A		SAME AS 1A1A9J0A
1A1A9J37A		SAME AS 1A1A1J1A		SAME AS 1A1A9J0A
1A1A9J37B		SAME AS 1A1A1J1A		SAME AS 1A1A9J0A
1A1A9J37C		SAME AS 1A1A1J1A		SAME AS 1A1A9J0A
1A1A9J37D		SAME AS 1A1A1J1A		SAME AS 1A1A9J0A
1A1A9J37E		SAME AS 1A1A1J1A		SAME AS 1A1A9J0A
1A1A9J37F		SAME AS 1A1A1J1A		SAME AS 1A1A9J0A
1A1A9J52E		SAME AS 1A1A1J1A		SAME AS 1A1A9J0A
1A1A9J53E		SAME AS 1A1A1J1A	SAME AS 1A1A9	SAME AS 1A1A9J0A
1A1A9J54E		SAME AS 1A1A1J1A		SAME AS 1A1A9J0A
1A1A9J55E		SAME AS 1A1A1J1A		SAME AS 1A1A9J0A
1A1A9J1		SAME AS 1A1A1J1		Intracabinet connector Fig. 6-1
1A1A9J2		SAME AS 1A1A1J4		SAME AS 1A1A9J1
1A1A9J3		SAME AS 1A1A1J1		SAME AS 1A1A9J1
1A1A9J4		SAME AS 1A1A1J1		SAME AS 1A1A9J1
1A1A9J5		SAME AS 1A1A1J9		SAME AS 1A1A9J1
1A1A9J6		SAME AS 1A1A1J9		SAME AS 1A1A9J1
1A1A9J7		SAME AS 1A1A1J9		SAME AS 1A1A9J1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A9J8		SAME AS 1A1A1J9	SAME AS 1A1A9J1
1A1A9R1		RESISTOR, VARIABLE: Wire wound; 20 ohm, ±10 pct, 1w at +110 deg C(+230 deg F); linear taper; single shaft; MFD BY 96791 , PART NO. 99-041-907221	R/W generator XF Fig. 6-1
1A1A9R2		SAME AS 1A1A9R1	R/W generator XW Fig. 6-1
1A1A9R3		SAME AS 1A1A9R1	R/W generator YR Fig. 6-1
1A1A9R4		SAME AS 1A1A9R1	R/W generator YW Fig. 6-1
1A1A9S1		SWITCH, TOGGLE: Spdt contact; 20 amp at 125 vac; MIL-S-3950; MIL NO. MS35059-21	Normal HIGH/LOW Fig. 6-1
1A1A9XF1		SAME AS 1A1A1XF1	Fuse retainer Fig. 6-1
1A1A9XF2		SAME AS 1A1A1XF1	SAME AS 1A1A9XF1
1A1A9XF3		SAME AS 1A1A1XF1	SAME AS 1A1A9XF1
1A1A9XF4		SAME AS 1A1A1XF1	SAME AS 1A1A9XF1
1A1A9A1		RESISTOR ASSEMBLY: Contains 10 resistors; MFD BY 90536 , PART NO. 7008476-00	Memory function Fig. 6-1
1A1A9A1R1		RESISTOR, FIXED, WIRE WOUND: 15 ohm, ±1 pct, 10 w at +25 deg C(+77 deg F); MFD BY 91637 , PART NO. NH10-15-0-1PCT	SAME AS 1A1A9A1
1A1A9A1R2		SAME AS 1A1A9A1R1	SAME AS 1A1A9A1
1A1A9A1R3		SAME AS 1A1A9A1R1	SAME AS 1A1A9A1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A9A1R4		SAME AS 1A1A9A1R1	SAME AS 1A1A9A1
1A1A9A1R5		SAME AS 1A1A9A1R1	SAME AS 1A1A9A1
1A1A9A1R6		SAME AS 1A1A9A1R1	SAME AS 1A1A9A1
1A1A9A1R7		RESISTOR, FIXED, WIRE WOUND: 5.5 ohm, ±1 pct, 10 w at +25 deg C(+77 deg F); MFD BY 91637 , PART NO. NH10-5-5-1PCT	SAME AS 1A1A9A1
1A1A9A1R8		SAME AS 1A1A9A1R7	SAME AS 1A1A9A1
1A1A9A1R9		SAME AS 1A1A9A1R7	SAME AS 1A1A9A1
1A1A9A1R10		SAME AS 1A1A9A1R7	SAME AS 1A1A9A1
1A1A9A2		REGULATOR, VOLTAGE: -10 volts; contains 1 diode, 2 transistors, 1 resistor; MFD BY 90536 , PART NO. 4055258-00	Voltage regulator Fig. 8-177
1A1A9A2CR1		SAME AS 1A1A1CR1	SAME AS 1A1A9A2
1A1A9A2Q1		TRANSISTOR: MIL-S-19500; MIL NO. 2N539M	SAME AS 1A1A9A2
1A1A9A2Q2		TRANSISTOR: MIL-S-19500; MIL NO. 2N1358M	SAME AS 1A1A9A2
1A1A9A2R1		RESISTOR, FIXED, COMPOSITION: 150 ohm, ±5 pct, 2 w at +70 deg C(+158 deg F); MIL-R-11; MIL NO. RC42GF151J	SAME AS 1A1A9A2
1A1A9A3		CORE MEMORY: Contains 1 memory frame,	Data storage Fig. 6-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		AND 16,384 ferrite memory cores; consists of 4 separate arrays, 4,096 cores each array; over-all dim. 8.562 by 8.562 in.; MFD BY 16224 , PART NO. 905426	
1A1A9A5		RESISTOR ASSEMBLY: Contains 10 resistors; over-all dim. 1.281 by 6 in.; MFD BY 90536 , PART NO. 7008478-00	Filter assembly Fig. 6-1
1A1A9A5R1		SAME AS 1A1A9A1R1	Filter Fig. 6-1
1A1A9A5R2		SAME AS 1A1A9A1R1	SAME AS 1A1A9A5
1A1A9A5R3		SAME AS 1A1A9A1R1	SAME AS 1A1A9A5
1A1A9A5R4		SAME AS 1A1A9A1R1	SAME AS 1A1A9A5
1A1A9A5R5		SAME AS 1A1A9A1R1	SAME AS 1A1A9A5
1A1A9A5R6		SAME AS 1A1A9A1R1	SAME AS 1A1A9A5
1A1A9A5R7		RESISTOR,FIXED,WIRE WOUND; 10 ohm, ±1 pct, 10 w at +25 deg C(+75 deg F); MFD BY 91637 , PART NO. NH10-10-0-1PCT	SAME AS 1A1A9A5
1A1A9A5R8		SAME AS 1A1A9A5R7	SAME AS 1A1A9A5
1A1A9A5R9		SAME AS 1A1A9A5R7	SAME AS 1A1A9A5
1A1A9A5R10		SAME AS 1A1A9A5R7	SAME AS 1A1A9A5
1A1A10		SAME AS 1A1A9	SAME AS 1A1A9A3
1A1A11		SAME AS 1A1A9	SAME AS 1A1A9A3

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A12		SAME AS 1A1A9	SAME AS 1A1A9A3
1A1A13		SAME AS 1A1A9	SAME AS 1A1A9A3
1A1A14		CABINET, ELECTRICAL EQUIPMENT: Contains 1 control indicator unit, 2 power panels, 1 power supply assembly, and 2 connectors; MFD BY 90536 , PART NO. 4055110-00	Console function Fig. 8-89,90
1A1A14CP1		ADAPTER, CABLE TO CONNECTOR: 0.938 in. cable opening dia, AN3057 and MS3057; MIL NO. MS3057-16B	Cable to connector
1A1A14CP2		SAME AS 1A1A14CP1	SAME AS 1A1A14CP1
1A1A14P53		CONNECTOR, PLUG, ELECTRICAL: 4 contact, 1 connector mating end; MIL-C-5015, MS3106, and MS33687; MIL NO. MS3106A24-22S	Console conn Fig. 2-3
1A1A14P54		CONNECTOR, PLUG, ELECTRICAL: 4 contact, 1 connector mating end; MIL-C-5015, MS3106, and MS33687; MIL NO. MS3106A24-22SW	SAME AS 1A1A14P53
1A1A14A1		CONTROL-INDICATOR: Contains 10 circuit card assemblies, 1 indicator panel, 1 cable adapter, 9 fuses, 2 lamps, 4 relays, 12 diodes, 1 reactor-transformer, 1 electrical horn, 2 capacitors, 4 resistors, and 1 terminal board; MFD BY 90536 , PART NO. 4055130-00	Located behind control panel

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1C1		CAPACITOR, FIXED, ELECTROLYTIC; 50 vdc, 150 uf, -15 pct, +75 pct; -55 deg C(-67 deg F) to +85 deg C(+185 deg F) operating temp range; metal case, insulated, hermetically sealed, 0.39 in. dia, 2.812 in. lg; MIL-C-3965 and MIL-C-3965/2; MIL NO. CL25BJ151UP3	Filter Fig. 8-176
1A1A14A1C2		CAPACITOR, FIXED, ELECTROLYTIC; 100 vdc, 70 uf, -1 pct, +75 pct; -55 deg C(-67 deg F) to +85 deg C(+185 deg F) operating temp range; metal case, insulated, hermetically sealed, 0.39 in. dia, 2 13/16 in. lg; MIL-C-3965B and MIL-C-3965/2A; MIL NO. CL25BN700SP3	Filter
1A1A14A1CP1		SAME AS 1A1A14CP1	
1A1A14A1CR1		SAME AS 1A1A1CR1	Rectifier Fig. 8-177
1A1A14A1CR2		SAME AS 1A1A1CR1	SAME AS 1A1A14A1CR1
1A1A14A1CR3		SAME AS 1A1A1CR1	SAME AS 1A1A14A1CR1
1A1A14A1CR4		SAME AS 1A1A1CR1	SAME AS 1A1A14A1CR1
1A1A14A1CR5		SAME AS 1A1A1CR1	SAME AS 1A1A14A1CR1
1A1A14A1CR6		SAME AS 1A1A1CR1	SAME AS 1A1A14A1CR1
1A1A14A1CR7		SEMICONDUCTOR DEVICE, DIODE; MIL-S-19500; MIL NO. 1N2813RB	SAME AS 1A1A14A1CR1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1CR8		SAME AS 1A1A1CR1	SAME AS 1A1A14A1CR1
1A1A14A1CR9		SAME AS 1A1A1CR1	SAME AS 1A1A14A1CR1
1A1A14A1CR10		SAME AS 1A1A1CR1	SAME AS 1A1A14A1CR1
1A1A14A1CR11		SAME AS 1A1A1CR1	SAME AS 1A1A14A1CR1
1A1A14A1CR12		SAME AS 1A1A1CR1	SAME AS 1A1A14A1CR1
1A1A14A1DS1		LAMP, INCANDESCENT; 120 v, 0.05 amp, 6 w; MS15567-1; MIL NO. MS15567-1	BLOWER POWER ON Fig. 8-176
1A1A14A1DS2		SAME AS 1A1A14A1DS1	COMPUTER POWER ON Fig. 8-176
1A1A14A1F1		FUSE, CARTRIDGE; 1 amp, 250 v, normal instantaneous; MIL-F-15160; MIL NO. F02A250V1AS	90 vdc primary Fig. 8-176
1A1A14A1F2		SAME AS 1A1A14A1F1	SAME AS 1A1A14A1F1
1A1A14A1F3		SAME AS 1A1A14A1F1	28 vdc primary Fig. 8-176
1A1A14A1F4		SAME AS 1A1A5F1	115 vac unregulated Fig. 8-176
1A1A14A1F5		SAME AS 1A1A5F1	SAME AS 1A1A14A1F4
1A1A14A1F6		SAME AS 1A1A5F1	SAME AS 1A1A14A1F4
1A1A14A1F7		SAME AS 1A1A5F1	SAME AS 1A1A14A1F4
1A1A14A1F8		SAME AS 1A1A5F1	SAME AS 1A1A14A1F4
1A1A14A1F9		SAME AS 1A1A5F1	SAME AS 1A1A14A1F4

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1J43		CONNECTOR, RECEPTACLE, ELECTRICAL: 15 contact, 1 connector mating end; MFD BY 90536 , PART NO. 7900170-00	Plug-in card jack
1A1A14A1J44		SAME AS 1A1A14A1J43	SAME AS 1A1A14A1J43
1A1A14A1J45		SAME AS 1A1A14A1J43	SAME AS 1A1A14A1J43
1A1A14A1J46		SAME AS 1A1A14A1J43	SAME AS 1A1A14A1J43
1A1A14A1J47		SAME AS 1A1A14A1J43	SAME AS 1A1A14A1J43
1A1A14A1J48		SAME AS 1A1A14A1J43	SAME AS 1A1A14A1J43
1A1A14A1J49		SAME AS 1A1A14A1J43	SAME AS 1A1A14A1J43
1A1A14A1J50		SAME AS 1A1A14A1J43	SAME AS 1A1A14A1J43
1A1A14A1J51		SAME AS 1A1A14A1J43	SAME AS 1A1A14A1J43
1A1A14A1J52		SAME AS 1A1A14A1J43	SAME AS 1A1A14A1J43
1A1A14A1J53		CONNECTOR, RECEPTACLE, ELECTRICAL: Arc resistant plastic dielectric; MIL-C-5015, MS3102, and MS33687; MIL NO. MS3102A24-22P	115 vac unregulated Fig. 2-3, Fig. 2-4
1A1A14A1J54		CONNECTOR, RECEPTACLE, ELECTRICAL: Arc resistant plastic dielectric; MIL-C-5015, MS3102, and MS33687; MIL NO. MS3102A24-22P	SAME AS 1A1A14A1J53
1A1A14A1J56		CONNECTOR, RECEPTACLE, ELECTRICAL: Arc resistant plastic dielectric; MIL-C-5015, MS3102, and MS33687;	Power connector Fig. 8-176

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		MIL NO. MS3102A24-11S	
1A1A14A1J85		CONNECTOR, RECEPTACLE, ELECTRICAL: 90 contact, arc resistant plastic dielectric; MFD BY 71468 , PART NO. DPD4500-5002	Console connector Fig. 2-3
1A1A14A1J86		SAME AS 1A1A14A1J85	SAME AS 1A1A14A1J85
1A1A14A1J87		SAME AS 1A1A14A1J85	SAME AS 1A1A14A1J85
1A1A14A1J88		SAME AS 1A1A14A1J85	SAME AS 1A1A14A1J85
1A1A14A1J89		SAME AS 1A1A14A1J85	SAME AS 1A1A14A1J85
1A1A14A1J90		SAME AS 1A1A14A1J85	SAME AS 1A1A14A1J85
1A1A14A1J91		SAME AS 1A1A14A1J85	SAME AS 1A1A14A1J85
1A1A14A1J92		SAME AS 1A1A14A1J85	SAME AS 1A1A14A1J85
1A1A14A1J93		CONNECTOR, RECEPTACLE, ELECTRICAL: Arc resistant plastic dielectric; MFD BY 90536 , PART NO. 265251-01	SAME AS 1A1A14A1J85
1A1A14A1J94		SAME AS 1A1A14A1J93	SAME AS 1A1A14A1J85
1A1A14A1J95		SAME AS 1A1A14A1J93	SAME AS 1A1A14A1J85
1A1A14A1J96		SAME AS 1A1A14A1J93	SAME AS 1A1A14A1J85
1A1A14A1K1		RELAY,ARMATURE: 3pst; 25 amp at 28 vdf or 115/200 v, 400 cps; MFD BY 15605 , PART NO. 6042H47	Unregulated line contact Fig. 8-176
1A1A14A1K2		SAME AS 1A1A14A1K1	SAME AS 1A1A14A1K1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1K3		RELAY, SOLENOID: 6 spdt contacts; 2 amp at 26.5 vdc contact rating; MFD BY 94875 , PART NO. 1000-156	Overtemp warning Fig. 8-176
1A1A14A1K4		SAME AS 1A1A14A1K3	SAME AS 1A1A14A1K3
1A1A14A1LS1		HORN, ELECTRICAL: 100 db minimum sound intensity rating at 3 feet; MFD BY 22971 , PART NO. 433M1-12V400CY	Overtemp alarm Fig. 8-176
1A1A14A1P97		SAME AS 1A1A14P53	Console connector Fig. 2-3
1A1A14A1R2		RESISTOR, FIXED, WIRE WOUND: 250 ohm, ±5 pct, 21 w at +25 deg C(+77 deg F) to +350 deg C(+662 deg F) max continuous operating temp; MIL-R-26 and MS90178; MIL NO. RW20V251	Dropping resistor Fig. 8-176
1A1A14A1R3		RESISTOR, FIXED, WIRE WOUND: 22 ohm, ±5 pct, 21 w at +25 deg C(+77 deg F) to +350 deg C(+662 deg F) max continuous operating temp; MIL-R-26 and MS90178; MIL NO. RW20V220	Bleeder resistor Fig. 8-176
1A1A14A1R4		RESISTOR, FIXED, WIRE WOUND: 1,000 ohm, ±5 pct, 21 w at +25 deg C(+77 deg F) to +350 deg C(+662 deg F) max continuous operating temp; MIL-R-26 and MS90178; MIL NO. RW20V102	SAME AS 1A1A14A1R3
1A1A14A1R5		RESISTOR, FIXED, WIRE WOUND: 100 ohm, ±5 pct, 21 w at +25 deg C(+77 deg F)	SAME AS 1A1A14A1R3

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		TO +350 deg C(+662 deg F) max continuous operating temp; MIL-R-26 and MS90178; MIL NO. RW20V101	
1A1A14A1TB4		TERMINAL BOARD: Barrier type; 20 threaded stud type terminals; MIL-T-16784 and MIL-STD-242; MIL NO. 26TB10	Circuit junction Fig. 8-176
1A1A14A1T1		REACTOR-TRANSFORMER: 2 fixed inductors and 2 transformers; 1 inductor 20 mh at 0.75 amp dc, 0.5 ohm max; 1 inductor 5 mh at 2 amp dc, 1.1 ohm max; 1 transformer input voltage 115 vac, 400 cps, 3-phase delta; 2 section secondary output, section I 3-phase wye, 38.1 v, 40.7 v, and 43.3 v at 40.5 va; section II 1-phase, 64 v, 68 v, and 71 v at 35.5 va; 1 transformer input voltage 115 vac, 400 cps, single phase; 2 section secondary output, section I 31.2v at 2 amp; section II 6.3 v each side to center tap, 2 amp; MFD BY 70674 , PART NO. A12498	Power converter Fig. 8-176
1A1A14A1A1		PANEL,INDICATOR: Contains 1 switch-connector assembly, 520 switch assemblies, 34 switches, 3 busbars, 2 indicator lights, 9 fuseholders, 1 meter, and 1 variable resistor; MFD BY 90536 , PART NO. 4055140-00	Control panel Fig. 3-1
1A1A14A1A1M1		METER,TIME TOTALIZING: 115 vac, 400 cps, records to 9999.9 hours; MIL-M-7793 AND MS28053;	COMPUTER ON TIME Fig. 8-176

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		MIL NO. MS28053-5	
1A1A14A1A1R1		RESISTOR, VARIABLE: Composition; 1 mego ±10 pct, 2 w at +70 deg C(+158 deg F); linear taper, single shaft, round, slotted, self locking; MFD BY 01121 , PART NO. JA1N056S105UA	RESTART SPEED CONTROL Fig. 3-1
1A1A14A1A1S1		SWITCH, TOGGLE; 2 spdt contacts; 5 amp at 250 vac; MFD BY 91929 , PART NO. 13AT401T2	BLOWER POWER ON/OFF
1A1A14A1A1S2		SAME AS 1A1A14A1A1S1	SAME AS 1A1A14A1A1S1
1A1A14A1A1S3		SWITCH, PUSH; Spst contact; normally open, translucent red, nonreplaceable lamp; MFD BY 07137 , PART NO. MBLAA1-000-21	LOCAL CONTROL Fig. 8-90
1A1A14A1A1S4		SAME AS 1A1A14A1A1S3	MARGINAL CHECK Fig. 8-90
1A1A14A1A1S5		SAME AS 1A1A14A1A1S3	FAULT indicator Fig. 8-91
1A1A14A1A1S6		SWITCH, PUSH; Spst contact; normally open, translucent green, nonreplaceable lamp; MFD BY 07137 , PART NO. MBLS773A-000-2102	RUN indicator Fig. 8-89
1A1A14A1A1S7		SAME AS 1A1A14A1A1S3	OVERTEMP warning Fig. 8-176
1A1A14A1A1S8		SWITCH, PUSH; Spst contact; normally open, translucent white, nonreplaceable lamp; MFD BY 07137 , PART NO. MBLAA9-000-21	MASTER CLEAR Fig. 8-88

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S9		SWITCH,PUSH: Spst contact; normally open, translucent amber, nonreplaceable lamp; MFD BY 07137 , PART NO. MBLAA3-000-21	MODE RUN Fig. 3-1
1A1A14A1A1S10		SAME AS 1A1A14A1A1S9	MODE OP STEP Fig. 3-1
1A1A14A1A1S11		SAME AS 1A1A14A1A1S9	MODE PHASE STEP Fig. 3-1
1A1A14A1A1S12		SAME AS 1A1A14A1A1S9	MODE LOAD Fig. 3-1
1A1A14A1A1S13		SAME AS 1A1A14A1A1S6	PROGRAM II Fig. 3-1
1A1A14A1A1S14		SAME AS 1A1A14A1A1S6	PROGRAM I Fig. 3-1
1A1A14A1A1S15		SWITCH, TOGGLE: 2 spdt contacts; 5 amp at 250 vac contact rating; MFD BY 91929 , PART NO. 13AT403T2	STEP-START/RESTART Fig. 3-1
1A1A14A1A1S16		SAME AS 1A1A14A1A1S15	AUTOMATIC RECOVERY Fig. 3-1
1A1A14A1A1S17		SAME AS 1A1A14A1A1S15	PHASE REPEAT Fig. 3-1
1A1A14A1A1S18		SAME AS 1A1A14A1A1S15	STOP Fig. 3-1
1A1A14A1A1S19		SWITCH ASSEMBLY; MFD BY 07341 , PART NO. 89-448272-2	P register Fig. 3-1
1A1A14A1A1S20		SWITCH ASSEMBLY; MFD BY 07341 , PART NO. 89-448272-1	P register 0 Fig. 3-1
1A1A14A1A1S21		SAME AS 1A1A14A1A1S20	P register 1 Fig. 3-1
1A1A14A1A1S22		SAME AS 1A1A14A1A1S20	P register 2 Fig. 3-1
1A1A14A1A1S23		SAME AS 1A1A14A1A1S19	P register 3 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S24		SAME AS 1A1A14A1A1S19	P register 4 Fig. 3-1
1A1A14A1A1S25		SAME AS 1A1A14A1A1S19	P register 5 Fig. 3-1
1A1A14A1A1S26		SAME AS 1A1A14A1A1S20	P register 6 Fig. 3-1
1A1A14A1A1S27		SAME AS 1A1A14A1A1S20	P register 7 Fig. 3-1
1A1A14A1A1S28		SAME AS 1A1A14A1A1S20	P register 8 Fig. 3-1
1A1A14A1A1S29		SAME AS 1A1A14A1A1S19	P register 9 Fig. 3-1
1A1A14A1A1S30		SAME AS 1A1A14A1A1S19	P register 10 Fig. 3-1
1A1A14A1A1S31		SAME AS 1A1A14A1A1S19	P register 11 Fig. 3-1
1A1A14A1A1S32		SAME AS 1A1A14A1A1S20	P register 12 Fig. 3-1
1A1A14A1A1S33		SAME AS 1A1A14A1A1S20	P register 13 Fig. 3-1
1A1A14A1A1S34		SAME AS 1A1A14A1A1S20	P register 14 Fig. 3-1
1A1A14A1A1S35		SAME AS 1A1A14A1A1S3	STOP Fig. 3-1
1A1A14A1A1S36		SAME AS 1A1A14A1A1S3	STOP 7 Fig. 3-1
1A1A14A1A1S37		SAME AS 1A1A14A1A1S3	STOP 6 Fig. 3-1
1A1A14A1A1S38		SAME AS 1A1A14A1A1S3	STOP 5 Fig. 3-1
1A1A14A1A1S39		SAME AS 1A1A14A1A1S3	STOP 4 Fig. 3-1
1A1A14A1A1S40		SAME AS 1A1A14A1A1S3	JUMP Fig. 3-1
1A1A14A1A1S41		SAME AS 1A1A14A1A1S3	DISCONNECT Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S42		SWITCH,TOGGLE: Dpdt contacts; 5 amp at 115/200 vac contact rating; MFD BY 91929 , PART NO. 23AT172	STOP 7 Fig. 3-1
1A1A14A1A1S43		SAME AS 1A1A14A1A1S42	STOP 6 Fig. 3-1
1A1A14A1A1S44		SAME AS 1A1A14A1A1S42	STOP 5 Fig. 3-1
1A1A14A1A1S45		SAME AS 1A1A14A1A1S42	JUMP 3 Fig. 3-1
1A1A14A1A1S46		SAME AS 1A1A14A1A1S42	JUMP 2 Fig. 3-1
1A1A14A1A1S47		SAME AS 1A1A14A1A1S42	JUMP 1 Fig. 3-1
1A1A14A1A1S48		SAME AS 1A1A14A1A1S42	DISCONNECT B7 Fig. 3-1
1A1A14A1A1S49		SAME AS 1A1A14A1A1S42	DISCONNECT ADV P Fig. 3-1
1A1A14A1A1S50		SAME AS 1A1A14A1A1S42	DISCONNECT RTC Fig. 3-1
1A1A14A1A1S102		SAME AS 1A1A14A1A1S20	MAIN TIMING 11 Fig. 3-1
1A1A14A1A1S103		SAME AS 1A1A14A1A1S20	MAIN TIMING 13 Fig. 3-1
1A1A14A1A1S104		SAME AS 1A1A14A1A1S20	MAIN TIMING 21 Fig. 3-1
1A1A14A1A1S105		SAME AS 1A1A14A1A1S19	MAIN TIMING 23 Fig. 3-1
1A1A14A1A1S106		SAME AS 1A1A14A1A1S19	MAIN TIMING 31 Fig. 3-1
1A1A14A1A1S107		SAME AS 1A1A14A1A1S19	MAIN TIMING 33 Fig. 3-1
1A1A14A1A1S108		SAME AS 1A1A14A1A1S20	MAIN TIMING 41 Fig. 3-1
1A1A14A1A1S109		SAME AS 1A1A14A1A1S20	MAIN TIMING 43 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S110		SAME AS 1A1A14A1A1S20	MAIN TIMING 51 Fig. 3-1
1A1A14A1A1S111		SAME AS 1A1A14A1A1S19	MAIN TIMING 53 Fig. 3-1
1A1A14A1A1S112		SAME AS 1A1A14A1A1S19	MAIN TIMING 61 Fig. 3-1
1A1A14A1A1S113		SAME AS 1A1A14A1A1S19	MAIN TIMING 63 Fig. 3-1
1A1A14A1A1S115		SAME AS 1A1A14A1A1S20	C TIMING 11 Fig. 3-1
1A1A14A1A1S116		SAME AS 1A1A14A1A1S20	C TIMING 13 Fig. 3-1
1A1A14A1A1S117		SAME AS 1A1A14A1A1S19	C TIMING 21 Fig. 3-1
1A1A14A1A1S118		SAME AS 1A1A14A1A1S19	C TIMING 23 Fig. 3-1
1A1A14A1A1S119		SAME AS 1A1A14A1A1S19	C TIMING 31 Fig. 3-1
1A1A14A1A1S120		SAME AS 1A1A14A1A1S20	C TIMING 33 Fig. 3-1
1A1A14A1A1S121		SAME AS 1A1A14A1A1S20	C TIMING 41 Fig. 3-1
1A1A14A1A1S122		SAME AS 1A1A14A1A1S20	C TIMING 43 Fig. 3-1
1A1A14A1A1S123		SAME AS 1A1A14A1A1S19	C TIMING 51 Fig. 3-1
1A1A14A1A1S124		SAME AS 1A1A14A1A1S19	C TIMING 53 Fig. 3-1
1A1A14A1A1S125		SAME AS 1A1A14A1A1S19	C TIMING 61 Fig. 3-1
1A1A14A1A1S126		SAME AS 1A1A14A1A1S20	C TIMING 63 Fig. 3-1
1A1A14A1A1S128		SAME AS 1A1A14A1A1S20	EF DESIGNATOR 4 Fig. 3-1
1A1A14A1A1S129		SAME AS 1A1A14A1A1S19	EF DESIGNATOR 3 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S130		SAME AS 1A1A14A1A1S19	EF DESIGNATOR 2 Fig. 3-1
1A1A14A1A1S131		SAME AS 1A1A14A1A1S19	EF DESIGNATOR 1 Fig. 3-1
1A1A14A1A1S132		SAME AS 1A1A14A1A1S19	I/O CONTROL DESIG OD EF ACK Fig. 3-1
1A1A14A1A1S133		SAME AS 1A1A14A1A1S20	CHASSIS 4 I/O DESIG 0 Fig. 3-1
1A1A14A1A1S134		SAME AS 1A1A14A1A1S20	CHASSIS 4 I/O DESIG 1 Fig. 3-1
1A1A14A1A1S135		SAME AS 1A1A14A1A1S20	CHASSIS 4 I/O DESIG 2 Fig. 3-1
1A1A14A1A1S136		SAME AS 1A1A14A1A1S20	CHASSIS 4 I/O DESIG 3 Fig. 3-1
1A1A14A1A1S137		SAME AS 1A1A14A1A1S19	CHASSIS 3 I/O DESIG 4 Fig. 3-1
1A1A14A1A1S138		SAME AS 1A1A14A1A1S19	CHASSIS 3 I/O DESIG 5 Fig. 3-1
1A1A14A1A1S139		SAME AS 1A1A14A1A1S19	CHASSIS 3 I/O DESIG 6 Fig. 3-1
1A1A14A1A1S140		SAME AS 1A1A14A1A1S19	CHASSIS 3 I/O DESIG 7 Fig. 3-1
1A1A14A1A1S141		SAME AS 1A1A14A1A1S20	CHASSIS 2 I/O DESIG 10 Fig. 3-1
1A1A14A1A1S142		SAME AS 1A1A14A1A1S20	CHASSIS 2 I/O DESIG 11 Fig. 3-1
1A1A14A1A1S143		SAME AS 1A1A14A1A1S20	CHASSIS 2 I/O DESIG 12 Fig. 3-1
1A1A14A1A1S144		SAME AS 1A1A14A1A1S20	CHASSIS 2 I/O DESIG 13 Fig. 3-1
1A1A14A1A1S145		SAME AS 1A1A14A1A1S19	CHASSIS 1 I/O DESIG 14 Fig. 3-1
1A1A14A1A1S146		SAME AS 1A1A14A1A1S19	CHASSIS 1 I/O DESIG 15 Fig. 3-1
1A1A14A1A1S147		SAME AS 1A1A14A1A1S19	CHASSIS 1 I/O DESIG 16 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S148		SAME AS 1A1A14A1A1S19	CHASSIS 1 I/O DESIG 17 Fig. 3-1
1A1A14A1A1S202		SAME AS 1A1A14A1A1S20	ACTIVE SEQ timing Af EN Fig. 3-1
1A1A14A1A1S203		SAME AS 1A1A14A1A1S20	ACTIVE SEQ timing Af Fig. 3-1
1A1A14A1A1S204		SAME AS 1A1A14A1A1S20	ACTIVE SEQ timing Bf Fig. 3-1
1A1A14A1A1S205		SAME AS 1A1A14A1A1S19	ACTIVE SEQ timing Df Fig. 3-1
1A1A14A1A1S206		SAME AS 1A1A14A1A1S19	ACTIVE SEQ timing I/O Fig. 3-1
1A1A14A1A1S208		SAME AS 1A1A14A1A1S20	Af timing 41 Fig. 3-1
1A1A14A1A1S209		SAME AS 1A1A14A1A1S20	Af timing 43 Fig. 3-1
1A1A14A1A1S210		SAME AS 1A1A14A1A1S20	Af timing 51 Fig. 3-1
1A1A14A1A1S211		SAME AS 1A1A14A1A1S19	Af timing 53 Fig. 3-1
1A1A14A1A1S212		SAME AS 1A1A14A1A1S19	Af timing 61 Fig. 3-1
1A1A14A1A1S213		SAME AS 1A1A14A1A1S19	Af timing 63 Fig. 3-1
1A1A14A1A1S215		SAME AS 1A1A14A1A1S20	Bf timing 41 Fig. 3-1
1A1A14A1A1S216		SAME AS 1A1A14A1A1S20	Bf timing 13 Fig. 3-1
1A1A14A1A1S217		SAME AS 1A1A14A1A1S19	Bf timing 21 Fig. 3-1
1A1A14A1A1S218		SAME AS 1A1A14A1A1S19	Bf timing 53 Fig. 3-1
1A1A14A1A1S219		SAME AS 1A1A14A1A1S19	Bf timing 61 Fig. 3-1
1A1A14A1A1S221		SAME AS 1A1A14A1A1S20	MULT/DIV SEQ timing 0 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S222		SAME AS 1A1A14A1A1S20	MULT/DIV SEQ timing 1 Fig. 3-1
1A1A14A1A1S223		SAME AS 1A1A14A1A1S19	MULT/DIV SEQ timing 2 Fig. 3-1
1A1A14A1A1S224		SAME AS 1A1A14A1A1S19	MULT/DIV SEQ timing 3 Fig. 3-1
1A1A14A1A1S225		SAME AS 1A1A14A1A1S19	MULT/DIV SEQ timing 4 Fig. 3-1
1A1A14A1A1S226		SAME AS 1A1A14A1A1S20	MULT/DIV SEQ timing 5 Fig. 3-1
1A1A14A1A1S227		SAME AS 1A1A14A1A1S20	MULT/DIV SEQ timing 6 Fig. 3-1
1A1A14A1A1S228		SAME AS 1A1A14A1A1S20	MULT/DIV SEQ timing 7 Fig. 3-1
1A1A14A1A1S232		SAME AS 1A1A14A1A1S19	I/O control desig ID ACK Fig. 3-1
1A1A14A1A1S233		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 0 Fig. 3-1
1A1A14A1A1S234		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 1 Fig. 3-1
1A1A14A1A1S235		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 2 Fig. 3-1
1A1A14A1A1S236		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 3 Fig. 3-1
1A1A14A1A1S237		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 4 Fig. 3-1
1A1A14A1A1S238		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 5 Fig. 3-1
1A1A14A1A1S239		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 6 Fig. 3-1
1A1A14A1A1S240		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 7 Fig. 3-1
1A1A14A1A1S241		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 10 Fig. 3-1
1A1A14A1A1S242		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 11 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S243		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 12 Fig. 3-1
1A1A14A1A1S244		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 13 Fig. 3-1
1A1A14A1A1S245		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 14 Fig. 3-1
1A1A14A1A1S246		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 15 Fig. 3-1
1A1A14A1A1S247		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 16 Fig. 3-1
1A1A14A1A1S248		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 17 Fig. 3-1
1A1A14A1A1S301		SAME AS 1A1A14A1A1S19	K3 register Fig. 3-1
1A1A14A1A1S302		SAME AS 1A1A14A1A1S20	K3 register 0 Fig. 3-1
1A1A14A1A1S303		SAME AS 1A1A14A1A1S20	K3 register 1 Fig. 3-1
1A1A14A1A1S304		SAME AS 1A1A14A1A1S20	K3 register 2 Fig. 3-1
1A1A14A1A1S305		SAME AS 1A1A14A1A1S19	K3 register 3 Fig. 3-1
1A1A14A1A1S306		SAME AS 1A1A14A1A1S19	K3 register 4 Fig. 3-1
1A1A14A1A1S307		SAME AS 1A1A14A1A1S19	K3 register 5 Fig. 3-1
1A1A14A1A1S309		SAME AS 1A1A14A1A1S20	r timing Fig. 3-1
1A1A14A1A1S310		SAME AS 1A1A14A1A1S20	r timing 0 Fig. 3-1
1A1A14A1A1S311		SAME AS 1A1A14A1A1S19	r timing 1 Fig. 3-1
1A1A14A1A1S312		SAME AS 1A1A14A1A1S19	r timing 2 Fig. 3-1
1A1A14A1A1S313		SAME AS 1A1A14A1A1S19	r timing 3 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S316		SAME AS 1A1A14A1A1S20	g timing a Fig. 3-1
1A1A14A1A1S317		SAME AS 1A1A14A1A1S19	g timing b Fig. 3-1
1A1A14A1A1S318		SAME AS 1A1A14A1A1S19	g timing ah Fig. 3-1
1A1A14A1A1S319		SAME AS 1A1A14A1A1S19	g timing bh Fig. 3-1
1A1A14A1A1S321		SAME AS 1A1A14A1A1S20	Sub seq interchange 0 Fig. 3-1
1A1A14A1A1S322		SAME AS 1A1A14A1A1S20	Sub seq interchange 1 Fig. 3-1
1A1A14A1A1S323		SAME AS 1A1A14A1A1S19	Sub seq interchange 2 Fig. 3-1
1A1A14A1A1S325		SAME AS 1A1A14A1A1S19	Timing store Y 0 Fig. 3-1
1A1A14A1A1S326		SAME AS 1A1A14A1A1S20	Timing store Y 1 Fig. 3-1
1A1A14A1A1S327		SAME AS 1A1A14A1A1S20	Timing store Y 2 Fig. 3-1
1A1A14A1A1S329		SAME AS 1A1A14A1A1S19	Read Y timing 0 Fig. 3-1
1A1A14A1A1S330		SAME AS 1A1A14A1A1S19	Read Y timing 1 Fig. 3-1
1A1A14A1A1S331		SAME AS 1A1A14A1A1S19	Read Y timing 2 Fig. 3-1
1A1A14A1A1S332		SAME AS 1A1A14A1A1S19	I/O control desig OD ACT Fig. 3-1
1A1A14A1A1S333		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 0 Fig. 3-1
1A1A14A1A1S334		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 1 Fig. 3-1
1A1A14A1A1S335		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 2 Fig. 3-1
1A1A14A1A1S336		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 3 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S337		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 4 Fig. 3-1
1A1A14A1A1S338		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 5 Fig. 3-1
1A1A14A1A1S339		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 6 Fig. 3-1
1A1A14A1A1S340		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 7 Fig. 3-1
1A1A14A1A1S341		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 10 Fig. 3-1
1A1A14A1A1S342		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 11 Fig. 3-1
1A1A14A1A1S343		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 12 Fig. 3-1
1A1A14A1A1S344		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 13 Fig. 3-1
1A1A14A1A1S345		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 14 Fig. 3-1
1A1A14A1A1S346		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 15 Fig. 3-1
1A1A14A1A1S347		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 16 Fig. 3-1
1A1A14A1A1S348		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 17 Fig. 3-1
1A1A14A1A1S401		SAME AS 1A1A14A1A1S19	K2 register Fig. 3-1
1A1A14A1A1S402		SAME AS 1A1A14A1A1S20	K2 register 0 Fig. 3-1
1A1A14A1A1S403		SAME AS 1A1A14A1A1S20	K2 register 1 Fig. 3-1
1A1A14A1A1S404		SAME AS 1A1A14A1A1S20	K2 register 2 Fig. 3-1
1A1A14A1A1S405		SAME AS 1A1A14A1A1S19	K2 register 3 Fig. 3-1
1A1A14A1A1S406		SAME AS 1A1A14A1A1S19	K2 register 4 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S417		SAME AS 1A1A14A1A1S19	Clock phase 1 Fig. 3-1
1A1A14A1A1S418		SAME AS 1A1A14A1A1S19	Clock phase 2 Fig. 3-1
1A1A14A1A1S419		SAME AS 1A1A14A1A1S19	Clock phase 3 Fig. 3-1
1A1A14A1A1S420		SAME AS 1A1A14A1A1S20	Clock phase 4 Fig. 3-1
1A1A14A1A1S432		SAME AS 1A1A14A1A1S19	I/O control desig OD MON Fig. 3-1
1A1A14A1A1S433		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 0 Fig. 3-1
1A1A14A1A1S434		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 1 Fig. 3-1
1A1A14A1A1S435		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 2 Fig. 3-1
1A1A14A1A1S436		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 3 Fig. 3-1
1A1A14A1A1S437		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 4 Fig. 3-1
1A1A14A1A1S438		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 5 Fig. 3-1
1A1A14A1A1S439		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 6 Fig. 3-1
1A1A14A1A1S440		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 7 Fig. 3-1
1A1A14A1A1S441		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 10 Fig. 3-1
1A1A14A1A1S442		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 11 Fig. 3-1
1A1A14A1A1S443		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 12 Fig. 3-1
1A1A14A1A1S444		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 13 Fig. 3-1
1A1A14A1A1S445		SAME AS 1A1A14A1A1S19	Chassis 2 I/O desig 14 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S446		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 15 Fig. 3-1
1A1A14A1A1S447		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 16 Fig. 3-1
1A1A14A1A1S448		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 17 Fig. 3-1
1A1A14A1A1S501		SAME AS 1A1A14A1A1S19	C register Fig. 3-1
1A1A14A1A1S502		SAME AS 1A1A14A1A1S20	C register 0 Fig. 3-1
1A1A14A1A1S503		SAME AS 1A1A14A1A1S20	C register 1 Fig. 3-1
1A1A14A1A1S504		SAME AS 1A1A14A1A1S20	C register 2 Fig. 3-1
1A1A14A1A1S505		SAME AS 1A1A14A1A1S19	C register 3 Fig. 3-1
1A1A14A1A1S506		SAME AS 1A1A14A1A1S19	C register 4 Fig. 3-1
1A1A14A1A1S507		SAME AS 1A1A14A1A1S19	C register 5 Fig. 3-1
1A1A14A1A1S508		SAME AS 1A1A14A1A1S20	C register 6 Fig. 3-1
1A1A14A1A1S509		SAME AS 1A1A14A1A1S20	C register 7 Fig. 3-1
1A1A14A1A1S510		SAME AS 1A1A14A1A1S20	C register 8 Fig. 3-1
1A1A14A1A1S511		SAME AS 1A1A14A1A1S19	C register 9 Fig. 3-1
1A1A14A1A1S513		SAME AS 1A1A14A1A1S19	C register 11 Fig. 3-1
1A1A14A1A1S514		SAME AS 1A1A14A1A1S20	C register 12 Fig. 3-1
1A1A14A1A1S515		SAME AS 1A1A14A1A1S20	C register 13 Fig. 3-1
1A1A14A1A1S516		SAME AS 1A1A14A1A1S20	C register 14 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S517		SAME AS 1A1A14A1A1S19	C register 15 Fig. 3-1
1A1A14A1A1S518		SAME AS 1A1A14A1A1S19	C register 16 Fig. 3-1
1A1A14A1A1S519		SAME AS 1A1A14A1A1S19	C register 17 Fig. 3-1
1A1A14A1A1S520		SAME AS 1A1A14A1A1S20	C register 18 Fig. 3-1
1A1A14A1A1S521		SAME AS 1A1A14A1A1S20	C register 19 Fig. 3-1
1A1A14A1A1S522		SAME AS 1A1A14A1A1S20	C register 20 Fig. 3-1
1A1A14A1A1S523		SAME AS 1A1A14A1A1S19	C register 21 Fig. 3-1
1A1A14A1A1S524		SAME AS 1A1A14A1A1S19	C register 22 Fig. 3-1
1A1A14A1A1S525		SAME AS 1A1A14A1A1S19	C register 23 Fig. 3-1
1A1A14A1A1S526		SAME AS 1A1A14A1A1S20	C register 24 Fig. 3-1
1A1A14A1A1S527		SAME AS 1A1A14A1A1S20	C register 25 Fig. 3-1
1A1A14A1A1S528		SAME AS 1A1A14A1A1S20	C register 26 Fig. 3-1
1A1A14A1A1S529		SAME AS 1A1A14A1A1S19	C register 27 Fig. 3-1
1A1A14A1A1S530		SAME AS 1A1A14A1A1S19	C register 28 Fig. 3-1
1A1A14A1A1S531		SAME AS 1A1A14A1A1S19	C register 29 Fig. 3-1
1A1A14A1A1S532		SAME AS 1A1A14A1A1S19	I/O control desig IO ACT Fig. 3-1
1A1A14A1A1S533		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 0 Fig. 3-1
1A1A14A1A1S534		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 1 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S535		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 2 Fig. 3-1
1A1A14A1A1S536		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 3 Fig. 3-1
1A1A14A1A1S537		SAME AS 1A1A14A1A1S19	Chassis 4 I/O desig 4 Fig. 3-1
1A1A14A1A1S538		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 5 Fig. 3-1
1A1A14A1A1S539		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 6 Fig. 3-1
1A1A14A1A1S540		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 7 Fig. 3-1
1A1A14A1A1S541		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 10 Fig. 3-1
1A1A14A1A1S542		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 11 Fig. 3-1
1A1A14A1A1S543		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 12 Fig. 3-1
1A1A14A1A1S544		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 13 Fig. 3-1
1A1A14A1A1S545		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 14 Fig. 3-1
1A1A14A1A1S546		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 15 Fig. 3-1
1A1A14A1A1S547		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 16 Fig. 3-1
1A1A14A1A1S548		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 17 Fig. 3-1
1A1A14A1A1S601		SAME AS 1A1A14A1A1S19	R register Fig. 3-1
1A1A14A1A1S602		SAME AS 1A1A14A1A1S20	R register 0 Fig. 3-1
1A1A14A1A1S603		SAME AS 1A1A14A1A1S20	R register 1 Fig. 3-1
1A1A14A1A1S604		SAME AS 1A1A14A1A1S20	R register 2 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S605		SAME AS 1A1A14A1A1S19	R register 3 Fig. 3-1
1A1A14A1A1S606		SAME AS 1A1A14A1A1S19	R register 4 Fig. 3-1
1A1A14A1A1S607		SAME AS 1A1A14A1A1S19	R register 5 Fig. 3-1
1A1A14A1A1S608		SAME AS 1A1A14A1A1S20	R register 6 Fig. 3-1
1A1A14A1A1S609		SAME AS 1A1A14A1A1S20	R register 7 Fig. 3-1
1A1A14A1A1S610		SAME AS 1A1A14A1A1S20	R register 8 Fig. 3-1
1A1A14A1A1S611		SAME AS 1A1A14A1A1S19	R register 9 Fig. 3-1
1A1A14A1A1S612		SAME AS 1A1A14A1A1S19	R register 10 Fig. 3-1
1A1A14A1A1S613		SAME AS 1A1A14A1A1S19	R register 11 Fig. 3-1
1A1A14A1A1S614		SAME AS 1A1A14A1A1S20	R register 12 Fig. 3-1
1A1A14A1A1S615		SAME AS 1A1A14A1A1S20	R register 13 Fig. 3-1
1A1A14A1A1S616		SAME AS 1A1A14A1A1S20	R register 14 Fig. 3-1
1A1A14A1A1S632		SAME AS 1A1A14A1A1S19	I/O control desig ID MON Fig. 3-1
1A1A14A1A1S633		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 0 Fig. 3-1
1A1A14A1A1S634		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 1 Fig. 3-1
1A1A14A1A1S635		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 2 Fig. 3-1
1A1A14A1A1S636		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 3 Fig. 3-1
1A1A14A1A1S637		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 4 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S638		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 5 Fig. 3-1
1A1A14A1A1S639		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 6 Fig. 3-1
1A1A14A1A1S640		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 7 Fig. 3-1
1A1A14A1A1S641		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 10 Fig. 3-1
1A1A14A1A1S642		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 11 Fig. 3-1
1A1A14A1A1S643		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 12 Fig. 3-1
1A1A14A1A1S644		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 13 Fig. 3-1
1A1A14A1A1S645		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 14 Fig. 3-1
1A1A14A1A1S646		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 15 Fig. 3-1
1A1A14A1A1S647		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 16 Fig. 3-1
1A1A14A1A1S648		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 17 Fig. 3-1
1A1A14A1A1S701		SAME AS 1A1A14A1A1S19	B register Fig. 3-1
1A1A14A1A1S702		SAME AS 1A1A14A1A1S20	B register 0 Fig. 3-1
1A1A14A1A1S703		SAME AS 1A1A14A1A1S20	B register 1 Fig. 3-1
1A1A14A1A1S704		SAME AS 1A1A14A1A1S20	B register 2 Fig. 3-1
1A1A14A1A1S705		SAME AS 1A1A14A1A1S19	B register 3 Fig. 3-1
1A1A14A1A1S706		SAME AS 1A1A14A1A1S19	B register 4 Fig. 3-1
1A1A14A1A1S707		SAME AS 1A1A14A1A1S19	B register 5 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S708		SAME AS 1A1A14A1A1S20	B register 6 Fig. 3-1
1A1A14A1A1S709		SAME AS 1A1A14A1A1S20	B register 7 Fig. 3-1
1A1A14A1A1S710		SAME AS 1A1A14A1A1S20	B register 8 Fig. 3-1
1A1A14A1A1S711		SAME AS 1A1A14A1A1S19	B register 9 Fig. 3-1
1A1A14A1A1S712		SAME AS 1A1A14A1A1S19	B register 10 Fig. 3-1
1A1A14A1A1S713		SAME AS 1A1A14A1A1S19	B register 11 Fig. 3-1
1A1A14A1A1S714		SAME AS 1A1A14A1A1S20	B register 12 Fig. 3-1
1A1A14A1A1S715		SAME AS 1A1A14A1A1S20	B register 13 Fig. 3-1
1A1A14A1A1S716		SAME AS 1A1A14A1A1S20	B register 14 Fig. 3-1
1A1A14A1A1S733		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 0 Fig. 3-1
1A1A14A1A1S734		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 1 Fig. 3-1
1A1A14A1A1S735		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 2 Fig. 3-1
1A1A14A1A1S736		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 3 Fig. 3-1
1A1A14A1A1S741		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 8 Fig. 3-1
1A1A14A1A1S742		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 11 Fig. 3-1
1A1A14A1A1S743		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 12 Fig. 3-1
1A1A14A1A1S744		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 13 Fig. 3-1
1A1A14A1A1S801		SAME AS 1A1A14A1A1S19	S register Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S802		SAME AS 1A1A14A1A1S20	S register 0 Fig. 3-1
1A1A14A1A1S803		SAME AS 1A1A14A1A1S20	S register 1 Fig. 3-1
1A1A14A1A1S804		SAME AS 1A1A14A1A1S20	S register 2 Fig. 3-1
1A1A14A1A1S805		SAME AS 1A1A14A1A1S19	S register 3 Fig. 3-1
1A1A14A1A1S806		SAME AS 1A1A14A1A1S19	S register 4 Fig. 3-1
1A1A14A1A1S807		SAME AS 1A1A14A1A1S19	S register 5 Fig. 3-1
1A1A14A1A1S808		SAME AS 1A1A14A1A1S20	S register 6 Fig. 3-1
1A1A14A1A1S809		SAME AS 1A1A14A1A1S20	S register 7 Fig. 3-1
1A1A14A1A1S810		SAME AS 1A1A14A1A1S20	S register 8 Fig. 3-1
1A1A14A1A1S811		SAME AS 1A1A14A1A1S19	S register 9 Fig. 3-1
1A1A14A1A1S812		SAME AS 1A1A14A1A1S19	S register 10 Fig. 3-1
1A1A14A1A1S813		SAME AS 1A1A14A1A1S19	S register 11 Fig. 3-1
1A1A14A1A1S814		SAME AS 1A1A14A1A1S20	S register 12 Fig. 3-1
1A1A14A1A1S815		SAME AS 1A1A14A1A1S20	S register 13 Fig. 3-1
1A1A14A1A1S816		SAME AS 1A1A14A1A1S20	S register 14 Fig. 3-1
1A1A14A1A1S832		SAME AS 1A1A14A1A1S19	I/O control desig EF MON Fig. 3-1
1A1A14A1A1S833		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 0 Fig. 3-1
1A1A14A1A1S834		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 1 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S835		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 2 Fig. 3-1
1A1A14A1A1S836		SAME AS 1A1A14A1A1S20	Chassis 4 I/O desig 3 Fig. 3-1
1A1A14A1A1S837		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 4 Fig. 3-1
1A1A14A1A1S838		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 5 Fig. 3-1
1A1A14A1A1S839		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 6 Fig. 3-1
1A1A14A1A1S840		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 7 Fig. 3-1
1A1A14A1A1S841		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 10 Fig. 3-1
1A1A14A1A1S842		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 11 Fig. 3-1
1A1A14A1A1S843		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 12 Fig. 3-1
1A1A14A1A1S844		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 13 Fig. 3-1
1A1A14A1A1S845		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 14 Fig. 3-1
1A1A14A1A1S846		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 15 Fig. 3-1
1A1A14A1A1S847		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 16 Fig. 3-1
1A1A14A1A1S848		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 17 Fig. 3-1
1A1A14A1A1S901		SAME AS 1A1A14A1A1S19	Q register Fig. 3-1
1A1A14A1A1S902		SAME AS 1A1A14A1A1S20	Q register 0 Fig. 3-1
1A1A14A1A1S903		SAME AS 1A1A14A1A1S20	Q register 1 Fig. 3-1
1A1A14A1A1S904		SAME AS 1A1A14A1A1S20	Q register 2 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S905		SAME AS 1A1A14A1A1S19	Q register 3 Fig. 3-1
1A1A14A1A1S906		SAME AS 1A1A14A1A1S19	Q register 4 Fig. 3-1
1A1A14A1A1S907		SAME AS 1A1A14A1A1S19	Q register 5 Fig. 3-1
1A1A14A1A1S908		SAME AS 1A1A14A1A1S20	Q register 6 Fig. 3-1
1A1A14A1A1S909		SAME AS 1A1A14A1A1S20	Q register 7 Fig. 3-1
1A1A14A1A1S910		SAME AS 1A1A14A1A1S20	Q register 8 Fig. 3-1
1A1A14A1A1S911		SAME AS 1A1A14A1A1S19	Q register 9 Fig. 3-1
1A1A14A1A1S912		SAME AS 1A1A14A1A1S19	Q register 10 Fig. 3-1
1A1A14A1A1S913		SAME AS 1A1A14A1A1S19	Q register 11 Fig. 3-1
1A1A14A1A1S914		SAME AS 1A1A14A1A1S20	Q register 12 Fig. 3-1
1A1A14A1A1S915		SAME AS 1A1A14A1A1S20	Q register 13 Fig. 3-1
1A1A14A1A1S916		SAME AS 1A1A14A1A1S20	Q register 14 Fig. 3-1
1A1A14A1A1S917		SAME AS 1A1A14A1A1S19	Q register 15 Fig. 3-1
1A1A14A1A1S918		SAME AS 1A1A14A1A1S19	Q register 16 Fig. 3-1
1A1A14A1A1S919		SAME AS 1A1A14A1A1S19	Q register 17 Fig. 3-1
1A1A14A1A1S920		SAME AS 1A1A14A1A1S20	Q register 18 Fig. 3-1
1A1A14A1A1S921		SAME AS 1A1A14A1A1S20	Q register 19 Fig. 3-1
1A1A14A1A1S922		SAME AS 1A1A14A1A1S20	Q register 20 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S923		SAME AS 1A1A14A1A1S19	Q register 21 Fig. 3-1
1A1A14A1A1S924		SAME AS 1A1A14A1A1S19	Q register 22 Fig. 3-1
1A1A14A1A1S925		SAME AS 1A1A14A1A1S19	Q register 23 Fig. 3-1
1A1A14A1A1S926		SAME AS 1A1A14A1A1S20	Q register 24 Fig. 3-1
1A1A14A1A1S927		SAME AS 1A1A14A1A1S20	Q register 25 Fig. 3-1
1A1A14A1A1S928		SAME AS 1A1A14A1A1S20	Q register 26 Fig. 3-1
1A1A14A1A1S929		SAME AS 1A1A14A1A1S19	Q register 27 Fig. 3-1
1A1A14A1A1S930		SAME AS 1A1A14A1A1S19	Q register 28 Fig. 3-1
1A1A14A1A1S931		SAME AS 1A1A14A1A1S19	Q register 29 Fig. 3-1
1A1A14A1A1S932		SAME AS 1A1A14A1A1S19	I/O control desig MN PRI Fig. 3-1
1A1A14A1A1S937		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 4 Fig. 3-1
1A1A14A1A1S940		SAME AS 1A1A14A1A1S19	Chassis 3 I/O desig 7 Fig. 3-1
1A1A14A1A1S941		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 10 Fig. 3-1
1A1A14A1A1S942		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 11 Fig. 3-1
1A1A14A1A1S943		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 12 Fig. 3-1
1A1A14A1A1S944		SAME AS 1A1A14A1A1S20	Chassis 2 I/O desig 13 Fig. 3-1
1A1A14A1A1S945		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 14 Fig. 3-1
1A1A14A1A1S946		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 15 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S947		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 16 Fig. 3-1
1A1A14A1A1S948		SAME AS 1A1A14A1A1S19	Chassis 1 I/O desig 17 Fig. 3-1
1A1A14A1A1S1001		SAME AS 1A1A14A1A1S19	A register Fig. 3-1
1A1A14A1A1S1002		SAME AS 1A1A14A1A1S20	A register 0 Fig. 3-1
1A1A14A1A1S1003		SAME AS 1A1A14A1A1S20	A register 1 Fig. 3-1
1A1A14A1A1S1004		SAME AS 1A1A14A1A1S20	A register 2 Fig. 3-1
1A1A14A1A1S1005		SAME AS 1A1A14A1A1S19	A register 3 Fig. 3-1
1A1A14A1A1S1006		SAME AS 1A1A14A1A1S19	A register 4 Fig. 3-1
1A1A14A1A1S1007		SAME AS 1A1A14A1A1S19	A register 5 Fig. 3-1
1A1A14A1A1S1008		SAME AS 1A1A14A1A1S20	A register 6 Fig. 3-1
1A1A14A1A1S1009		SAME AS 1A1A14A1A1S20	A register 7 Fig. 3-1
1A1A14A1A1S1010		SAME AS 1A1A14A1A1S20	A register 8 Fig. 3-1
1A1A14A1A1S1011		SAME AS 1A1A14A1A1S19	A register 9 Fig. 3-1
1A1A14A1A1S1012		SAME AS 1A1A14A1A1S19	A register 10 Fig. 3-1
1A1A14A1A1S1013		SAME AS 1A1A14A1A1S19	A register 11 Fig. 3-1
1A1A14A1A1S1014		SAME AS 1A1A14A1A1S20	A register 12 Fig. 3-1
1A1A14A1A1S1015		SAME AS 1A1A14A1A1S20	A register 13 Fig. 3-1
1A1A14A1A1S1016		SAME AS 1A1A14A1A1S20	A register 14 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S1017		SAME AS 1A1A14A1A1S19	A register 15 Fig. 3-1
1A1A14A1A1S1018		SAME AS 1A1A14A1A1S19	A register 16 Fig. 3-1
1A1A14A1A1S1019		SAME AS 1A1A14A1A1S19	A register 17 Fig. 3-1
1A1A14A1A1S1020		SAME AS 1A1A14A1A1S20	A register 18 Fig. 3-1
1A1A14A1A1S1021		SAME AS 1A1A14A1A1S20	A register 19 Fig. 3-1
1A1A14A1A1S1022		SAME AS 1A1A14A1A1S20	A register 20 Fig. 3-1
1A1A14A1A1S1023		SAME AS 1A1A14A1A1S19	A register 21 Fig. 3-1
1A1A14A1A1S1024		SAME AS 1A1A14A1A1S19	A register 22 Fig. 3-1
1A1A14A1A1S1025		SAME AS 1A1A14A1A1S19	A register 23 Fig. 3-1
1A1A14A1A1S1026		SAME AS 1A1A14A1A1S20	A register 24 Fig. 3-1
1A1A14A1A1S1027		SAME AS 1A1A14A1A1S20	A register 25 Fig. 3-1
1A1A14A1A1S1028		SAME AS 1A1A14A1A1S20	A register 26 Fig. 3-1
1A1A14A1A1S1029		SAME AS 1A1A14A1A1S19	A register 27 Fig. 3-1
1A1A14A1A1S1030		SAME AS 1A1A14A1A1S19	A register 28 Fig. 3-1
1A1A14A1A1S1031		SAME AS 1A1A14A1A1S19	A register 29 Fig. 3-1
1A1A14A1A1S1032		SAME AS 1A1A14A1A1S19	I/O control desig SUB PRI Fig. 3-1
1A1A14A1A1S1033		SAME AS 1A1A14A1A1S20	I/O control desig ODM Fig. 3-1
1A1A14A1A1S1034		SAME AS 1A1A14A1A1S20	I/O control desig EFM Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S1035		SAME AS 1A1A14A1A1S20	I/O control desig EIM Fig. 3-1
1A1A14A1A1S1036		SAME AS 1A1A14A1A1S20	I/O control desig FM Fig. 3-1
1A1A14A1A1S1037		SAME AS 1A1A14A1A1S19	I/O control desig ID Fig. 3-1
1A1A14A1A1S1038		SAME AS 1A1A14A1A1S19	I/O control desig OD Fig. 3-1
1A1A14A1A1S1039		SAME AS 1A1A14A1A1S19	I/O control desig EF Fig. 3-1
1A1A14A1A1S1040		SAME AS 1A1A14A1A1S19	I/O control desig EI Fig. 3-1
1A1A14A1A1S1043		SAME AS 1A1A14A1A1S20	I/O control desig TRANS Fig. 3-1
1A1A14A1A1S1044		SAME AS 1A1A14A1A1S20	I/O control desig ID Fig. 3-1
1A1A14A1A1S1045		SAME AS 1A1A14A1A1S19	I/O control desig OD Fig. 3-1
1A1A14A1A1S1046		SAME AS 1A1A14A1A1S19	I/O control desig EF Fig. 3-1
1A1A14A1A1S1047		SAME AS 1A1A14A1A1S19	I/O control desig EI Fig. 3-1
1A1A14A1A1S1048		SAME AS 1A1A14A1A1S19	I/O control desig RTC Fig. 3-1
1A1A14A1A1S1101		SAME AS 1A1A14A1A1S19	D register Fig. 3-1
1A1A14A1A1S1102		SAME AS 1A1A14A1A1S20	D register 0 Fig. 3-1
1A1A14A1A1S1103		SAME AS 1A1A14A1A1S20	D register 1 Fig. 3-1
1A1A14A1A1S1104		SAME AS 1A1A14A1A1S20	D register 2 Fig. 3-1
1A1A14A1A1S1105		SAME AS 1A1A14A1A1S19	D register 3 Fig. 3-1
1A1A14A1A1S1106		SAME AS 1A1A14A1A1S19	D register 4 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S1107		SAME AS 1A1A14A1A1S19	D register 5 Fig. 3-1
1A1A14A1A1S1108		SAME AS 1A1A14A1A1S20	D register 6 Fig. 3-1
1A1A14A1A1S1109		SAME AS 1A1A14A1A1S20	D register 7 Fig. 3-1
1A1A14A1A1S1110		SAME AS 1A1A14A1A1S20	D register 8 Fig. 3-1
1A1A14A1A1S1111		SAME AS 1A1A14A1A1S19	D register 9 Fig. 3-1
1A1A14A1A1S1112		SAME AS 1A1A14A1A1S19	D register 10 Fig. 3-1
1A1A14A1A1S1113		SAME AS 1A1A14A1A1S19	D register 11 Fig. 3-1
1A1A14A1A1S1114		SAME AS 1A1A14A1A1S20	D register 12 Fig. 3-1
1A1A14A1A1S1115		SAME AS 1A1A14A1A1S20	D register 13 Fig. 3-1
1A1A14A1A1S1116		SAME AS 1A1A14A1A1S20	D register 14 Fig. 3-1
1A1A14A1A1S1117		SAME AS 1A1A14A1A1S19	D register 15 Fig. 3-1
1A1A14A1A1S1118		SAME AS 1A1A14A1A1S19	D register 16 Fig. 3-1
1A1A14A1A1S1119		SAME AS 1A1A14A1A1S19	D register 17 Fig. 3-1
1A1A14A1A1S1120		SAME AS 1A1A14A1A1S20	D register 18 Fig. 3-1
1A1A14A1A1S112		SAME AS 1A1A14A1A1S20	D register 19 Fig. 3-1
1A1A14A1A1S1122		SAME AS 1A1A14A1A1S20	D register 20 Fig. 3-1
1A1A14A1A1S1123		SAME AS 1A1A14A1A1S19	D register 21 Fig. 3-1
1A1A 4A1A1S1124		SAME AS 1A1A14A1A1S19	D register 22 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S1125		SAME AS 1A1A14A1A1S19	D register 23 Fig. 3-1
1A1A14A1A1S1126		SAME AS 1A1A14A1A1S20	D register 24 Fig. 3-1
1A1A14A1A1S1127		SAME AS 1A1A14A1A1S20	D register 25 Fig. 3-1
1A1A14A1A1S1128		SAME AS 1A1A14A1A1S20	D register 26 Fig. 3-1
1A1A14A1A1S1129		SAME AS 1A1A14A1A1S19	D register 27 Fig. 3-1
1A1A14A1A1S1130		SAME AS 1A1A14A1A1S19	D register 28 Fig. 3-1
1A1A14A1A1S1131		SAME AS 1A1A14A1A1S19	D register 29 Fig. 3-1
1A1A14A1A1S1201		SAME AS 1A1A14A1A1S19	X register Fig. 3-1
1A1A14A1A1S1202		SAME AS 1A1A14A1A1S20	X register 0 Fig. 3-1
1A1A14A1A1S1203		SAME AS 1A1A14A1A1S20	X register 1 Fig. 3-1
1A1A14A1A1S1204		SAME AS 1A1A14A1A1S20	X register 2 Fig. 3-1
1A1A14A1A1S1205		SAME AS 1A1A14A1A1S19	X register 3 Fig. 3-1
1A1A14A1A1S1206		SAME AS 1A1A14A1A1S19	X register 4 Fig. 3-1
1A1A14A1A1S1207		SAME AS 1A1A14A1A1S19	X register 5 Fig. 3-1
1A1A14A1A1S1208		SAME AS 1A1A14A1A1S20	X register 6 Fig. 3-1
1A1A14A1A1S1209		SAME AS 1A1A14A1A1S20	X register 7 Fig. 3-1
1A1A14A1A1S1210		SAME AS 1A1A14A1A1S20	X register 8 Fig. 3-1
1A1A14A1A1S1211		SAME AS 1A1A14A1A1S19	X register 9 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S1212		SAME AS 1A1A14A1A1S19	X register 10 Fig. 3-1
1A1A14A1A1S1213		SAME AS 1A1A14A1A1S19	X register 11 Fig. 3-1
1A1A14A1A1S1214		SAME AS 1A1A14A1A1S20	X register 12 Fig. 3-1
1A1A14A1A1S1215		SAME AS 1A1A14A1A1S20	X register 13 Fig. 3-1
1A1A14A1A1S1216		SAME AS 1A1A14A1A1S20	X register 14 Fig. 3-1
1A1A14A1A1S1217		SAME AS 1A1A14A1A1S19	X register 15 Fig. 3-1
1A1A14A1A1S1218		SAME AS 1A1A14A1A1S19	X register 16 Fig. 3-1
1A1A14A1A1S1219		SAME AS 1A1A14A1A1S19	X register 17 Fig. 3-1
1A1A14A1A1S1220		SAME AS 1A1A14A1A1S20	X register 18 Fig. 3-1
1A1A14A1A1S1221		SAME AS 1A1A14A1A1S20	X register 19 Fig. 3-1
1A1A14A1A1S1222		SAME AS 1A1A14A1A1S20	X register 20 Fig. 3-1
1A1A14A1A1S1223		SAME AS 1A1A14A1A1S19	X register 21 Fig. 3-1
1A1A14A1A1S1224		SAME AS 1A1A14A1A1S19	X register 22 Fig. 3-1
1A1A14A1A1S1225		SAME AS 1A1A14A1A1S19	X register 23 Fig. 3-1
1A1A14A1A1S1226		SAME AS 1A1A14A1A1S20	X register 24 Fig. 3-1
1A1A14A1A1S1227		SAME AS 1A1A14A1A1S20	X register 25 Fig. 3-1
1A1A14A1A1S1228		SAME AS 1A1A14A1A1S20	X register 26 Fig. 3-1
1A1A14A1A1S1229		SAME AS 1A1A14A1A1S19	X register 27 Fig. 3-1

TABLE 7- . DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S1230		SAME AS 1A1A14A1A1S19	X register 28 Fig. 3-1
1A1A14A1A1S1231		SAME AS 1A1A14A1A1S19	X register 29 Fig. 3-1
1A1A14A1A1S1301		SAME AS 1A1A14A1A1S19	Z register Fig. 3-1
1A1A14A1A1S1302		SAME AS 1A1A14A1A1S20	Z register 0 Fig. 3-1
1A1A14A1A1S1303		SAME AS 1A1A14A1A1S20	Z register 1 Fig. 3-1
1A1A14A1A1S1304		SAME AS 1A1A14A1A1S20	Z register 2 Fig. 3-1
1A1A14A1A1S1305		SAME AS 1A1A14A1A1S19	Z register 3 Fig. 3-1
1A1A14A1A1S1306		SAME AS 1A1A14A1A1S19	Z register 4 Fig. 3-1
1A1A14A1A1S1307		SAME AS 1A1A14A1A1S19	Z register 5 Fig. 3-1
1A1A14A1A1S1308		SAME AS 1A1A14A1A1S20	Z register 6 Fig. 3-1
1A1A14A1A1S1309		SAME AS 1A1A14A1A1S20	Z register 7 Fig. 3-1
1A1A14A1A1S1310		SAME AS 1A1A14A1A1S20	Z register 8 Fig. 3-1
1A1A14A1A1S1311		SAME AS 1A1A14A1A1S19	Z register 9 Fig. 3-1
1A1A14A1A1S1312		SAME AS 1A1A14A1A1S19	Z register 10 Fig. 3-1
1A1A14A1A1S1313		SAME AS 1A1A14A1A1S19	Z register 11 Fig. 3-1
1A1A14A1A1S1314		SAME AS 1A1A14A1A1S20	Z register 12 Fig. 3-1
1A1A14A1A1S1315		SAME AS 1A1A14A1A1S20	Z register 13 Fig. 3-1
1A1A14A1A1S1316		SAME AS 1A1A14A1A1S20	Z register 14 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S1317		SAME AS 1A1A14A1A1S19	Z register 15 Fig. 3-1
1A1A14A1A1S1318		SAME AS 1A1A14A1A1S19	Z register 16 Fig. 3-1
1A1A14A1A1S1319		SAME AS 1A1A14A1A1S19	Z register 17 Fig. 3-1
1A1A14A1A1S1320		SAME AS 1A1A14A1A1S20	Z register 18 Fig. 3-1
1A1A14A1A1S1321		SAME AS 1A1A14A1A1S20	Z register 19 Fig. 3-1
1A1A14A1A1S1322		SAME AS 1A1A14A1A1S20	Z register 20 Fig. 3-1
1A1A14A1A1S1323		SAME AS 1A1A14A1A1S19	Z register 21 Fig. 3-1
1A1A14A1A1S1324		SAME AS 1A1A14A1A1S19	Z register 22 Fig. 3-1
1A1A14A1A1S1325		SAME AS 1A1A14A1A1S19	Z register 23 Fig. 3-1
1A1A14A1A1S1326		SAME AS 1A1A14A1A1S20	Z register 24 Fig. 3-1
1A1A14A1A1S1327		SAME AS 1A1A14A1A1S20	Z register 25 Fig. 3-1
1A1A14A1A1S1328		SAME AS 1A1A14A1A1S20	Z register 26 Fig. 3-1
1A1A14A1A1S1329		SAME AS 1A1A14A1A1S19	Z register 27 Fig. 3-1
1A1A14A1A1S1330		SAME AS 1A1A14A1A1S19	Z register 28 Fig. 3-1
1A1A14A1A1S1331		SAME AS 1A1A14A1A1S19	Z register 29 Fig. 3-1
1A1A14A1A1S1401		SAME AS 1A1A14A1A1S19	U register Fig. 3-1
1A1A14A1A1S1402		SAME AS 1A1A14A1A1S20	U register 0 Fig. 3-1
1A1A14A1A1S1403		SAME AS 1A1A14A1A1S20	U register 1 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S1404		SAME AS 1A1A14A1A1S20	U register 2 Fig. 3-1
1A1A14A1A1S1405		SAME AS 1A1A14A1A1S19	U register 3 Fig. 3-1
1A1A14A1A1S1406		SAME AS 1A1A14A1A1S19	U register 4 Fig. 3-1
1A1A14A1A1S1407		SAME AS 1A1A14A1A1S19	U register 5 Fig. 3-1
1A1A14A1A1S1408		SAME AS 1A1A14A1A1S20	U register 6 Fig. 3-1
1A1A14A1A1S1409		SAME AS 1A1A14A1A1S20	U register 7 Fig. 3-1
1A1A14A1A1S1410		SAME AS 1A1A14A1A1S20	U register 8 Fig. 3-1
1A1A14A1A1S1411		SAME AS 1A1A14A1A1S19	U register 9 Fig. 3-1
1A1A14A1A1S1412		SAME AS 1A1A14A1A1S19	U register 10 Fig. 3-1
1A1A14A1A1S1413		SAME AS 1A1A14A1A1S19	U register 11 Fig. 3-1
1A1A14A1A1S1414		SAME AS 1A1A14A1A1S20	U register 12 Fig. 3-1
1A1A14A1A1S1415		SAME AS 1A1A14A1A1S20	U register 13 Fig. 3-1
1A1A14A1A1S1416		SAME AS 1A1A14A1A1S20	U register 14 Fig. 3-1
1A1A14A1A1S1417		SAME AS 1A1A14A1A1S19	U register 15 Fig. 3-1
1A1A14A1A1S1418		SAME AS 1A1A14A1A1S19	U register 16 Fig. 3-1
1A1A14A1A1S1419		SAME AS 1A1A14A1A1S19	U register 17 Fig. 3-1
1A1A14A1A1S1420		SAME AS 1A1A14A1A1S20	U register 18 Fig. 3-1
1A1A14A1A1S1421		SAME AS 1A1A14A1A1S20	U register 19 Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1S1422		SAME AS 1A1A14A1A1S20	U register 20 Fig. 3-1
1A1A14A1A1S1423		SAME AS 1A1A14A1A1S19	U register 21 Fig. 3-1
1A1A14A1A1S1424		SAME AS 1A1A14A1A1S19	U register 22 Fig. 3-1
1A1A14A1A1S1425		SAME AS 1A1A14A1A1S19	U register 23 Fig. 3-1
1A1A14A1A1S1426		SAME AS 1A1A14A1A1S20	U register 24 Fig. 3-1
1A1A14A1A1S1427		SAME AS 1A1A14A1A1S20	U register 25 Fig. 3-1
1A1A14A1A1S1428		SAME AS 1A1A14A1A1S20	U register 26 Fig. 3-1
1A1A14A1A1S1429		SAME AS 1A1A14A1A1S19	U register 27 Fig. 3-1
1A1A14A1A1S1430		SAME AS 1A1A14A1A1S19	U register 28 Fig. 3-1
1A1A14A1A1S1431		SAME AS 1A1A14A1A1S19	U register 29 Fig. 3-1
1A1A14A1A1TB1		BUS BAR; MFD BY 90536 , PART NO. 4052978-00	Circuit junction Fig. 8-177
1A1A14A1A1TB2		SAME AS 1A1A14A1A1TB1	SAME AS 1A1A14A1A1TB1
1A1A14A1A1TB3		SAME AS 1A1A14A1A1TB1	SAME AS 1A1A14A1A1TB1
1A1A14A1A1XDS1		LIGHT, INDICATOR; Thd mtd lens holder, black nickel finish; 1.125 in. dia glass lens, green, smooth face, frosted back; MFD BY 72619 , PART NO. LH63BG2	COMPUTER POWER Fig. 3-1
1A1A14A1A1XDS2		SAME AS 1A1A14A1A1XDS1	BLOWER POWER Fig. 3-1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1XF1		FUSEHOLDER; Extractor post; 15 amp, 250 v max; MFD BY 71400 , PART NO. HKPELQRWZJ	Fuse retainer Fig. 8-176
1A1A14A1A1XF2		SAME AS 1A1A14A1A1XF1	SAME AS 1A1A14A1A1 XF1
1A1A14A1A1XF3		SAME AS 1A1A14A1A1XF1	SAME AS 1A1A14A1A1 XF1
1A1A14A1A1XF4		SAME AS 1A1A14A1A1XF1	SAME AS 1A1A14A1A1 XF1
1A1A14A1A1XF5		SAME AS 1A1A14A1A1XF1	SAME AS 1A1A14A1A1 XF1
1A1A14A1A1XF6		SAME AS 1A1A14A1A1XF1	SAME AS 1A1A14A1A1 XF1
1A1A14A1A1XF7		SAME AS 1A1A14A1A1XF1	SAME AS 1A1A14A1A1 XF1
1A1A14A1A1XF8		SAME AS 1A1A14A1A1XF1	SAME AS 1A1A14A1A1 XF1
1A1A14A1A1XF9		SAME AS 1A1A14A1A1XF1	SAME AS 1A1A14A1A1 XF1
1A1A14A1A1A24		SWITCH-CONNECTOR ASSEMBLY; Contains 2 switches and 4 connectors; MFD BY 90536 , PART NO. 4055142-00	C reg switch assembly Fig. 3-1
1A1A14A1A1A24J1		CONNECTOR, PLUG, ELECTRICAL; 50 contact, 1 connector mating end; MFD BY 90536 , PART NO. 265251-00	Intracabinet connector Fig. 8-126
1A1A14A1A1A24J2		SAME AS 1A1A14A1A1A24J1	SAME AS 1A1A14A1A1 A24J1
1A1A14A1A1A24J3		SAME AS 1A1A14A1A1A24J1	SAME AS 1A1A14A1A1 A24J1
1A1A14A1A1A24J4		SAME AS 1A1A14A1A1A24J1	SAME AS 1A1A14A1A1 A24J1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A1A1A24S1		SWITCH, ROTARY: Sectional type; 4 sections; MFD BY 83332 , PART NO. 600-4N4-4	C reg switch assy Fig. 8-126
1A1A14A1A1A24S2		SAME AS 1A1A14A1A1A24S1	SAME AS 1A1A14A1A1 A24S1
1A1A14A2		PANEL,POWER: Contains 13 connector assemblies, 4 busbars and 2 connectors; MFD BY 90536 , PART NO. 4055180-00	Fig. 2-2
1A1A14A2J1		CONNECTOR, RECEPTACLE, ELECTRICAL: Arc resistant plastic dielectric; MFD BY 71468 , PART NO. DPD4500-4308	I/O jack Fig. 2-3
1A1A14A2J2		SAME AS 1A1A14A2J1	SAME AS 1A1A14A2J1
1A1A14A2J3		SAME AS 1A1A14A2J1	SAME AS 1A1A14A2J1
1A1A14A2J4		SAME AS 1A1A14A2J1	SAME AS 1A1A14A2J1
1A1A14A2J5		SAME AS 1A1A14A2J1	SAME AS 1A1A14A2J1
1A1A14A2J6		SAME AS 1A1A14A2J1	SAME AS 1A1A14A2J1
1A1A14A2J7		SAME AS 1A1A14A2J1	SAME AS 1A1A14A2J1
1A1A14A2J8		SAME AS 1A1A14A2J1	SAME AS 1A1A14A2J1
1A1A14A2J9		SAME AS 1A1A14A2J1	SAME AS 1A1A14A2J1
1A1A14A2J10		SAME AS 1A1A14A2J1	SAME AS 1A1A14A2J1
1A1A14A2J11		SAME AS 1A1A14A2J1	SAME AS 1A1A14A2J1
1A1A14A2J12		SAME AS 1A1A14A2J1	SAME AS 1A1A14A2J1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A2J13		SAME AS 1A1A14A2J1	SAME AS 1A1A14A2J1
1A1A14A2J14		SAME AS 1A1A14A2J1	SAME AS 1A1A14A2J1
1A1A14A2J15		SAME AS 1A1A14A2J1	SAME AS 1A1A14A2J1
1A1A14A2J16		SAME AS 1A1A14A2J1	SAME AS 1A1A14A2J1
1A1A14A2J33		SAME AS 1A1A14A2J1	SAME AS 1A1A14A2J1
1A1A14A2J39		SAME AS 1A1A14A2J1	Console Jack Fig. 2-3
1A1A14A2J41		SAME AS 1A1A14A2J1	SAME AS 1A1A14A2J39
1A1A14A2J42		CONNECTOR, RECEPTACLE, ELECTRICAL: Arc resistant plastic dielectric; MIL NO. MS3102A10SL3P	External connector, RTC Fig. 2-3
1A1A14A2J55		SAME AS 1A1A14A1J54	Power connector Fig. 8-176
1A1A14A2TB13		BUS BAR; MFD BY 90536 , PART NO. 4055189-01	Circuit junction
1A1A14A2TB14		SAME AS 1A1A14A2TB13	SAME AS 1A1A14A2TB13
1A1A14A2TB15		SAME AS 1A1A14A2TB13	SAME AS 1A1A14A2TB13
1A1A14A2TB16		BUS BAR: MFD BY 90536 , PART NO. 4055198-00	SAME AS 1A1A14A2TB13
1A1A14A2A1		CONNECTOR ASSEMBLY: Contains 4 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055169-00	Connector assembly Fig. 2-10
1A1A14A2A1J37		CONNECTOR, RECEPTACLE, ELECTRICAL: 90 contacts, arc resistant plastic dielectric;	Interassembly connector Fig. 2-2

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		MFD BY 09922 , PART NO. DTD8714P1	
1A1A14A2A1J38		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A1J39		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A1J40		CONNECTOR, RECEPTACLE, ELECTRICAL: Arc resistant plastic dielectric; MFD BY 71468 , PART NO. DPD4500-4361	SAME AS 1A1A14A2A1J37
1A1A14A2A2		CONNECTOR ASSEMBLY: Contains 4 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055169-01	SAME AS 1A1A14A2A1
1A1A14A2A2J45		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A2J46		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A2J47		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A2J48		SAME AS 1A1A14A2A1J40	SAME AS 1A1A14A2A1J37
1A1A14A2A3		CONNECTOR ASSEMBLY: Contains 4 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055169-02	SAME AS 1A1A14A2A1
1A1A14A2A3J53		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A3J54		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A3J55		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A3J56		SAME AS 1A1A14A2A1J40	SAME AS 1A1A14A2A1J37
1A1A14A2A4		CONNECTOR ASSEMBLY: Contains 4 conn-	SAME AS 1A1A14A2A1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		ectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055169-03	
1A1A14A2A4J61		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A4J62		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A4J63		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A4J64		SAME AS 1A1A14A2A1J40	SAME AS 1A1A14A2A1J37
1A1A14A2A5		CONNECTOR ASSEMBLY: Contains 2 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055196-00	SAME AS 1A1A14A2A1
1A1A14A2A5J67		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A5J68		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A6		CONNECTOR ASSEMBLY: Contains 2 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055196-01	SAME AS 1A1A14A2A1
1A1A14A2A6J71		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A6J72		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A7		CONNECTOR ASSEMBLY: Contains 2 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055196-02	SAME AS 1A1A14A2A1
1A1A14A2A7J75		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A7J76		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A8		CONNECTOR ASSEMBLY: Contains 2 connectors, and 3 gear racks;	SAME AS 1A1A14A2A1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		MFD BY 90536 , PART NO. 4055196-03	
1A1A14A2A8J79		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A8J80		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A9		CONNECTOR ASSEMBLY: Contains 2 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055196-04	SAME AS 1A1A14A2A1
1A1A14A2A9J83		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A9J84		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A10		CONNECTOR ASSEMBLY: Contains 4 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 253124-09	SAME AS 1A1A14A2A1
1A1A14A2A10J5		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A10J6		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A10J7		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A10J8		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A11		CONNECTOR ASSEMBLY: Contains 4 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 253124-10	SAME AS 1A1A14A2A1
1A1A14A2A11J13		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A11J14		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A11J15		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A2A11J16		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A12		CONNECTOR ASSEMBLY: Contains 4 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 253124-11	SAME AS 1A1A14A2A1
1A1A14A2A12J21		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A12J22		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A12J23		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A12J24		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A13		CONNECTOR ASSEMBLY: Contains 4 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 253124-12	SAME AS 1A1A14A2A1
1A1A14A2A13J29		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A13J30		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A13J31		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A2A13J32		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A2A1J37
1A1A14A3		PANEL,POWER: Contains 13 connector assemblies, 4 busbars, and 22 connectors; MFD BY 90536 , PART NO. 4055170-00	I/O Connector panel Fig. 2-3
1A1A14A3J17		SAME AS 1A1A14A2J1	I/O Connector Fig. 2-3
1A1A14A3J18		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17
1A1A14A3J19		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A3J20		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17
1A1A14A3J21		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17
1A1A14A3J22		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17
1A1A14A3J23		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17
1A1A14A3J24		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17
1A1A14A3J25		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17
1A1A14A3J26		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17
1A1A14A3J27		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17
1A1A14A3J28		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17
1A1A14A3J29		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17
1A1A14A3J30		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17
1A1A14A3J31		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17
1A1A14A3J32		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17
1A1A14A3J34		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17
1A1A14A3J35		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17
1A1A14A3J36		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17
1A1A14A3J37		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17
1A1A14A3J38		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A3J40		SAME AS 1A1A14A2J1	SAME AS 1A1A14A3J17
1A1A14A3TB5		SAME AS 1A1A14A2TB16	Circuit junction
1A1A14A3TB6		BUS BAR; MFD BY 90536 , PART NO. 4055189-00	SAME AS 1A1A14A3TB5
1A1A14A3TB7		SAME AS 1A1A14A3TB6	SAME AS 1A1A14A3TB5
1A1A14A3TB8		SAME AS 1A1A14A3TB6	SAME AS 1A1A14A3TB5
1A1A14A3A1		CONNECTOR ASSEMBLY: Contains 4 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055168-00	Connector assembly Fig. 2-2
1A1A14A3A1J1		SAME AS 1A1A14A2A1J37	Interassembly connector Fig. 2-2
1A1A14A3A1J2		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A1J3		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A1J4		SAME AS 1A1A14A2A1J40	SAME AS 1A1A14A3A1J1
1A1A14A3A2		CONNECTOR ASSEMBLY: Contains 4 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055168-01	SAME AS 1A1A14A3A1
1A1A14A3A2J9		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A2J10		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A2J11		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A2J12		SAME AS 1A1A14A2A1J40	SAME AS 1A1A14A3A1J1
1A1A14A3A3		CONNECTOR ASSEMBLY: Contains 4 connectors, and 3 gear racks;	SAME AS 1A1A14A3A1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		MFD BY 90536 , PART NO. 4055168-02	
1A1A14A3A3J17		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A3J18		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A3J19		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A3J20		SAME AS 1A1A14A2A1J40	SAME AS 1A1A14A3A1J1
1A1A14A3A4		CONNECTOR ASSEMBLY: Contains 4 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055168-03	SAME AS 1A1A14A3A1
1A1A14A3A4J25		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A4J26		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A4J27		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A4J28		SAME AS 1A1A14A2A1J40	SAME AS 1A1A14A3A1J1
1A1A14A3A5		CONNECTOR ASSEMBLY: Contains 2 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055195-00	SAME AS 1A1A14A3A1
1A1A14A3A5J65		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A5J66		SAME AS 1A1A14A2A1J40	SAME AS 1A1A14A3A1J1
1A1A14A3A6		CONNECTOR ASSEMBLY: Contains 2 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055195-01	SAME AS 1A1A14A3A1
1A1A14A3A6J69		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A3A6J70		SAME AS 1A1A14A2A1J40	SAME AS 1A1A14A3A1J1
1A1A14A3A7		CONNECTOR ASSEMBLY: Contains 2 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055195-02	SAME AS 1A1A14A3A1
1A1A14A3A7J73		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A7J74		SAME AS 1A1A14A2A1J40	SAME AS 1A1A14A3A1J1
1A1A14A3A8		CONNECTOR ASSEMBLY: Contains 2 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055195-03	SAME AS 1A1A14A3A1
1A1A14A3A8J77		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A8J78		SAME AS 1A1A14A2A1J40	SAME AS 1A1A14A3A1J1
1A1A14A3A9		CONNECTOR ASSEMBLY: Contains 2 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055195-04	SAME AS 1A1A14A3A1
1A1A14A3A9J81		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A9J82		SAME AS 1A1A14A2A1J40	SAME AS 1A1A14A3A1J1
1A1A14A3A10		CONNECTOR ASSEMBLY: Contains 4 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055204-00	SAME AS 1A1A14A3A1
1A1A14A3A10J33		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A10J34		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A10J35		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A3A10J36		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A11		CONNECTOR ASSEMBLY: Contains 4 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055204-01	SAME AS 1A1A14A3A1
1A1A14A3A11J41		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A11J42		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A11J43		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A11J44		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A12		CONNECTOR ASSEMBLY: Contains 4 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055204-02	SAME AS 1A1A14A3A1
1A1A14A3A12J49		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A12J50		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A12J51		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A12J52		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A13		CONNECTOR ASSEMBLY: Contains 4 connectors, and 3 gear racks; MFD BY 90536 , PART NO. 4055204-03	SAME AS 1A1A14A3A1
1A1A14A3A13J57		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A13J58		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A3A13J59		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A3A13J60		SAME AS 1A1A14A2A1J37	SAME AS 1A1A14A3A1J1
1A1A14A25		POWER SUPPLY ASSEMBLY; Contains 18 diodes, 3 transformers, 4 inductors, 2 busbars,2 terminal boards, 1 capacitor, 1 power supply, and 1 regulator switch; MFD BY 90536 , PART NO. 4055211-00	Power supply Fig. 8-177
1A1A14A25CR1		SEMICONDUCTOR DEVICE,DIODE: MIL-S-19500; MIL NO. 1N1186	Rectifier Fig. 8-177
1A1A14A25CR2		SAME AS 1A1A14A25CR1	SAME AS 1A1A14A25CR1
1A1A14A25CR3		SAME AS 1A1A14A25CR1	SAME AS 1A1A14A25CR1
1A1A14A25CR4		SAME AS 1A1A14A25CR1	SAME AS 1A1A14A25CR1
1A1A14A25CR5		SAME AS 1A1A14A25CR1	SAME AS 1A1A14A25CR1
1A1A14A25CR6		SAME AS 1A1A14A25CR1	SAME AS 1A1A14A25CR1
1A1A14A25CR7		SAME AS 1A1A14A25CR1	SAME AS 1A1A14A25CR1
1A1A14A25CR8		SAME AS 1A1A14A25CR1	SAME AS 1A1A14A25CR1
1A1A14A25CR9		SAME AS 1A1A14A25CR1	SAME AS 1A1A14A25CR1
1A1A14A25CR10		SAME AS 1A1A14A25CR1	SAME AS 1A1A14A25CR1
1A1A14A25CR11		SAME AS 1A1A14A25CR1	SAME AS 1A1A14A25CR1
1A1A14A25CR12		SAME AS 1A1A14A25CR1	SAME AS 1A1A14A25CR1
1A1A14A25CR13		SAME AS 1A1A14A25CR1	SAME AS 1A1A14A25CR1

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1A14A25CR14		SAME AS 1A1A14A25CR1	Rectifier Fig. 8-177
1A1A14A25CR15		SAME AS 1A1A14A25CR1	SAME AS 1A1A14A25 CR14
1A1A14A25CR16		SAME AS 1A1A14A25CR1	SAME AS 1A1A14A25 CR14
1A1A14A25CR17		SAME AS 1A1A14A25CR1	SAME AS 1A1A14A25 CR14
1A1A14A25CR18		SAME AS 1A1A14A25CR1	SAME AS 1A1A14A25 CR14
1A1A14A25C1		CAPACITOR, FIXED, ELECTROLYTIC: 100 vdc, 70 uf, -15 pct, +75 pct; -55 deg C(-67 deg F) to +85 deg F) operating temp range; metal case, insulated, hermetically sealed, 0.39 in. dia, 2.812 in. lg; MIL-C-3965; MIL NO. CL25BN700UP3	Filter Fig. 8-177
1A1A14A25L1		REACTOR: 50 vdc, 0.1 mh, 70 amp, 0.0025 ohm; metal case; MFD BY 80023 , PART NO. S3810	SAME AS 1A1A14A25C1
1A1A14A25L2		REACTOR: 500 vdc, 0.35 mh, 50 amp, 0.007 ohm; metal case; MFD BY 80023 , PART NO. S3807	SAME AS 1A1A14A25C1
1A1A14A25L3		REACTOR: 50 vdc, 450 mh, 80 amp, 0.00005 ohm; metal case; MFD BY 80023 , PART NO. S3804	SAME AS 1A1A14A25C1
1A1A14A25L4		REACTOR: 500 vdc, 120 mh, 300 ma dc; metal case; MFD BY 80023 , PART NO. S4266	SAME AS 1A1A14A25C1
1A1A14A25TB1		TERMINAL BOARD: Barrier type; 20 threaded stud type terminals;	Circuit Junction Fig. 8-177

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		MFD BY 90536 , PART NO. 910161-04	
1A1A14A25TB2		BUS BAR; MFD BY 90536 , PART NO. 4055287-00	Circuit junction Fig. 8-177
1A1A14A25TB3		SAME AS 1A1A14A25TB2	SAME AS 1A1A14A25 TB2
1A1A14A25TB4		TERMINAL BOARD; MFD BY 90536 , PART NO. 4055217-00	SAME AS 1A1A14A25 TB2
1A1A14A25T1		TRANSFORMER,POWER,STEP-DOWN: Primary 115 vac, 400 cps, 3-phase delta to 3-phase double wye; secondary 7.5 vdc at 20 amp; MFD BY 80023 , PART NO. S3808	Power converter Fig. 8-177
1A1A14A25T2		TRANSFORMER,POWER,STEP-DOWN: Primary 115 vac, 400 cps, 3-phase delta to 3-phase double wye; secondary 24.3 vdc at 23 amp; MFD BY 80023 , PART NO. S3802	SAME AS 1A1A14A25T1
1A1A14A25T3		TRANSFORMER,POWER,STEP-DOWN: Primary 115 vac, 400 cps, 3-phase delta to 3-phase double wye; secondary 24.3 vdc at 14.5 amp; MFD BY 80023 , PART NO. S3805	SAME AS 1A1A14A25T1
1A1A14A25A1		POWER SUPPLY: Contains 1 capacitor, 3 diodes, 1 resistor, and 1 transformer; MFD BY 90536 , PART NO. 4055216-00	Power supply Fig. 8-177
1A1A14A25A1CR1		SEMICONDUCTOR DEVICE, DIODE: MIL-S-19500;	Rectifier Fig. 8-177

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		MIL NO. 1N2982B	
1A1A14A25A1CR2		SEMICONDUCTOR DEVICE, DIODE; MIL-S-19500; MIL NO. 1N647	Rectifier Fig. 8-177
1A1A14A25A1CR3		SAME AS 1A1A14A25A1CR2	Rectifier Fig. 8-177
1A1A14A25A1C1		SAME AS 1A1A9C1	Filter Fig. 8-177
1A1A14A25A1R1		RESISTOR, FIXED, WIRE WOUND; 80 ohm, ±5 pct, 21 w at +25 deg C(+77 deg F); +350 deg C(+662 deg F) operating temp range; MIL-R-26 and MS90178; MIL NO. RW20V800	Filter Fig. 8-177
1A1A14A25A1T1		TRANSFORMER, POWER, STEP-DOWN; Primary 115 vac, 400 cps; secondary 91 vdc rms ct at 0.25 amp; MFD BY 80023 , PART NO. S3915	Power converter Fig. 8-177
1A1A14A25A2		SWITCH, REGULATOR; Contains 1 diode, 1 transistor, and 1 resistor; MFD BY 90536 , PART NO. 7008487-00	Fig. 8-177
1A1A14A25A2CR1		SEMICONDUCTOR DEVICE,DIODE; MFD BY 90536 , PART NO. 4907831-00	SAME AS 1A1A14A25A2
1A1A14A25A2Q1		TRANSISTOR; MFD BY 02735 , PART NO. 35131	SAME AS 1A1A14A25A2
1A1A14A25A2R1		RESISTOR, FIXED, COMPOSITION; 120 ohm, ±5 pct, 1-2 w at 70 deg C(+158 deg F); MIL-R-11; MIL NO. RC20GF121J	SAME AS 1A1A14A25A2

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A1MP1		DOOR,ACCESS: Contains 1 socket wrench handle, 1 socket wrench extension, and 2 wrench sockets; MFD BY 90536 , PART NO. 4055260-00	Fig. 1-1
1A1MP1MP3		HANDLE, SOCKET, WRENCH: Ratchet, 0.375 in. square drive; MFD BY 55719 , PART NO. F710A	Chassis release arm
1A1MP1MP4		SOCKET, SOCKET WRENCH: Standard double hex, 0.375 in. square drive; 1 in. OD, 2.625 in. lg; MFD BY 55719 , PART NO. SF241	Release chassis for removal
1A1MP1MP5		EXTENSION, SOCKET WRENCH: 3 in. lg, 0.375 in. square drive; MFD BY 55719 , PART NO. FX2	Chassis release arm
1A1MP1MP6		SOCKET, SOCKET WRENCH: Standard double square, 0.375 square drive, 0.656 in. OD, 0.938 in. lg; MFD BY 55719 , PART NO. F312	Release chassis for removal
1A2		PLENUM ASSEMBLY: Contains 1 fan, 1 CONNECTOR, 2 thermostatic switches, and 2 coupling assemblies; MFD BY 90536 , PART NO. 4055200-00	Fig. 2-1
1A2B1		FAN, CENTRIFUGAL: 1 stage rotor, straight blades; horizontally mounted motor, direct drive, 115 vac, 400 cps, 3-phase; 0 deg C (+32 deg F) to +50 deg C(+122 deg F) operating temp range; MFD BY 82877, PART NO. A04G152	Unit blower Fig. 8-176

TABLE 7-1. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MAINTENANCE PARTS LIST (CONT.)

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
1A2J57		CONNECTOR, RECEPTACLE, ELECTRICAL: Arc resistant plastic dielectric; MIL-C-5015, MS3102, and MS33687; MIL NO. MS3102A24-11P	Power connector Fig. 8-176
1A2MP12		COUPLING ASSEMBLY, DUST CAP: Brass; MFD BY 73992 , PART NO. B6HKSDC1HK	
1A2MP13		SAME AS 1A2MP12	
1A2S51		SWITCH, THERMOSTATIC: Contacts close on temperature increase; +32 deg F(0 deg C) to +200 deg F(+93 deg C) adjustable temperature range; factory set at +115 deg F(+46 deg C); bimetal temperature element; MFD BY 90536 , PART NO. 908944-02	Temp control Fig. 8-176
1A2S52		SWITCH, THERMOSTATIC: Contacts open on temperature increase; +32 deg F(0 deg C) to +200 deg F(+93 deg C) adjustable temperature range; factory set at +140 deg F(+60 deg C); bimetal temperature element; MFD BY 90536 , PART NO. 908944-01	SAME AS 1A2S51

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
MODULE 250210 or 7000210			
		OSCILLATOR, PULSE DELAY: Low speed variable; contains 4 capacitors, 3 transistors, and 9 resistors; consists of 1 circuit, 2 inputs; operating power requirements -15 vdc; mfd by 90536, part no. 250210 or 7000210	
		Note: Module 250210 has gold plated connector and module 7000210 has solder plated connector.	
C1		CAPACITOR, FIXED, ELECTROLYTIC: 20 vdc, 10 uf, ±10 pct; -55 deg C(-67 deg F) to +65 deg C(+149 deg F) operating temp range; metal case, insulated, hermetically sealed, 0.185 in. dia, 0.61 in. lg; MIL-C-26655; MIL no. CS13AE100K	
C2		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 100,000 uuf, ±20 pct; insulated body, 0.28 in. dia, 0.748 in. lg; mfd by 00656, part no. MC80V104AM	
C3		Same as C2	
C4		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 50 vdc, 1 uf, ±20 pct; insulated body, 0.26 in. dia, 0.495 in. lg; mfd by 00656, part no. MC89C105AM	
Q1		TRANSISTOR: Mfd by 01295, part no. GA323	
Q2		Same as Q1	
Q3		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 1,200 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF122J	
R2		RESISTOR, FIXED, COMPOSITION: 1,500 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF152J	
R3		RESISTOR, FIXED, COMPOSITION: 4,700 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF472J	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R4		RESISTOR, FIXED, COMPOSITION: 120,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF124J	
R5		RESISTOR, FIXED, COMPOSITION: 10,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF103J	
R6		RESISTOR, FIXED, COMPOSITION: 270 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF271J	
R7		RESISTOR, FIXED, COMPOSITION: 22,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF223J	
R8		RESISTOR, FIXED, COMPOSITION: 330 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF331J	
R9		RESISTOR, FIXED, COMPOSITION: 5,600 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF562J	
MODULE 251110 or 7001110			
		RESISTOR ASSEMBLY: Contains 14 resistors; mfd by 90536, part no. 251110 or 7001110 Note: Module 251110 has gold plated connector and module 7001110 has solder plated connector.	
R1		RESISTOR, FIXED, COMPOSITION: 100,000 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF104J	
R2 thru R14		Same as R1 Same as R1	
MODULE 251120 or 7001120			
		RESISTOR ASSEMBLY: Contains 14 resistors; mfd by 90536, part no. 251120 or 7001120 Note: Module 251120 has gold plated connector and module 7001120 has solder plated connector.	
R1		RESISTOR, FIXED, COMPOSITION; 470 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF471J	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R2 thru R14		Same as R1 Same as R1	
MODULE 251200 or 7001200			
		SWITCH UNIT, SELECTOR: Contains 1 switch; mfd by 90536, part no. 251200 or 7001200 Note: Module 251200 has gold plated connector and module 7001200 has solder plated connector.	
S1		SWITCH, TOGGLE: Dpdt; contact rating 5 amp at 115 vac or 5 amp at 28 vdc; mfd by 70309, part no. TS6	
MODULE 4222000 or 7002000			
		FLIP-FLOP: Contains 1 capacitor, 18 diodes, 2 transistors, and 13 resistors; consists of 1 circuit, 9 inputs; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222000 or 7002000 Note: Module 4222000 has gold plated connector and module 7002000 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR2 thru CR18		Same as CR1 Same as CR1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R2		Same as R1	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R3		RESISTOR, FIXED, COMPOSITION: 6,800 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF682J	
R4		Same as R3	
R5		Same as R1	
R6		Same as R1	
R7		RESISTOR, FIXED, COMPOSITION: 2,400 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF242J	
R8 thru R13		Same as R7	
MODULE 4222011 or 7002011			
		AMPLIFIER, DRIVER: Clock and logic; contains 2 capacitors, 7 diodes, 4 transistors, and 12 resistors; consists of 2 separate circuits, 1 circuit 2 inputs; 1 circuit 3 inputs; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc, mfd by 90536, part no. 4222011 or 7002011	
		Note: Module 4222011 has gold plated connector and module 7002011 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	
C2		Reference designation cancelled	
C3		Reference designation cancelled	
C4		CAPACITOR, FIXED, ELECTROLYTIC: 35 vdc, 1 uf, ±10 pct, -55 deg C(-67 deg F) to +65 deg C(+149 deg F) operating temp range; metal case, insulated, hermetically sealed, 0.135 in. dia, 0.286 in. lg; MIL-C-26655; MIL no. CS13AF010	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07713, part no. 299S1	
CR2		Same as CR1	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
CR3		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR4 thru CR7		Same as CR3	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		TRANSISTOR: Mfd by 04713, part no. SM426	
Q3		Same as Q1	
Q4		Same as Q2	
R1		RESISTOR, FIXED, COMPOSITION: 5,600 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF562J	
R2		RESISTOR, FIXED, COMPOSITION: 3,900 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF392J	
R3		Same as R1	
R4		Same as R2	
R5		RESISTOR, FIXED, FILM: 150 ohm, ±2 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD151G	
R6		RESISTOR, FIXED, COMPOSITION: 180 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF181J	
R7		Same as R5	
R8		Same as R6	
R9		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R10		Same as R9	
R11		RESISTOR, FIXED, COMPOSITION: 2,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF222J	
R12		Same as R11	
MODULE 4222020 7002020			
		FLIP-FLOP: Contains 1 capacitor, 16 diodes, 2 transistors, and 11 resistors; consists of 1 circuit, 9 inputs; operating power requirements	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		-4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222020 or 7002020 Note: Module 4222020 has gold plated connector and module 7002020 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. IN3592	
CR2 thru CR16		Same as CR1 Same as CR1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R2		Same as R1	
R3		RESISTOR, FIXED, COMPOSITION: 6,800 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF682J	
R4		Same as R3	
R5		Same as R1	
R6		Same as R1	
R7		RESISTOR, FIXED, COMPOSITION: 2,400 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF242J	
R8 thru R11		Same as R7 Same as R7	
MODULE 4222030 or 7002030			
		INVERTER: Contains 1 capacitor, 9 diodes, 2 transistors, and 8 resistors; consists of 2 separate circuits, 1 circuit, 5 inputs; 1 circuit, 4 inputs; operating power requirements	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		-4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222030 or 7002030 Note: Module 4222030 has gold plated connector and module 7002030 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	
CR1		SEMICONDUCTOR DEIVCE, DIODE: Mfd by 98925, part no. 1N3592	
CR2 thru CR9		Same as CR1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R2		Same as R1	
R3		RESISTOR, FIXED, COMPOSITION: 5,600 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF562J	
R4		Same as R3	
R5		Same as R1	
R6		Same as R1	
R7		RESISTOR, FIXED, COMPOSITION: 2,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF222J	
R8		Same as R7	
MODULE 4222040 or 7002040			
		INVERTER: Contains 1 capacitor, 15 diodes, 1 transistor, and 8 resistors; consists of 1 circuit, 10 inputs; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222040 or 7002040	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		Note: Module 4222040 has gold plated connector and module 7002040 has solder plaged connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR2 thru CR15		Same as CR1 Same as CR1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
R1		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R2		RESISTOR, FIXED, COMPOSITION: 6,800 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF682J	
R3		Same as R1	
R4		RESISTOR, FIXED, COMPOSITION: 2,400 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF242J	
R5 thru R8		Same as R4 Same as R4	
MODULE 4222050 or 7002050			
		INVERTER: Contains 1 capacitor, 13 diodes, 2 transistors, and 10 resistors; consists of 2 separate circuits, 1 circuit, 4 inputs; 1 circuit, 5 inputs; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc, mfd by 90536, part no. 4222050 or 7002050 Note: Module 4222050 has gold plated connector and module 7002050 has solder plated connector.	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR2 thru CR13		Same as CR1	
Q1		TRANSISTOR; Mfd by 04713, part no. SM15	
Q2		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R2		Same as R1	
R3		RESISTOR, FIXED, COMPOSITION: 6,800 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF682J	
R4		Same as R3	
R5		Same as R1	
R6		Same as R1	
R7		RESISTOR, FIXED, COMPOSITION: 2,400 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF242J	
R8		Same as R7	
R9		Same as R7	
R10		Same as R7	
MODULE 4222060 or 7002060			
		INVERTER: Contains 1 capacitor, 8 diodes, 3 transistors, and 12 resistors, consists of 3 separate circuits, 2 circuits, 3 inputs; 1 circuit, 2 inputs; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222060 or 7002060 Note: Module 4222060 has gold plated connector and module 7002060 has solder plated connector.	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.3 in. wide, 0.2 in. high, and 0.125 in. deep; mfd by 56289, part no. 31C31	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR2 thru CR8		Same as CR1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		Same as Q1	
Q3		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R2		Same as R1	
R3		Same as R1	
R4		RESISTOR, FIXED, COMPOSITION: 5,600 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF562J	
R5		Same as R4	
R6		Same as R4	
R7		Same as R1	
R8		Same as R1	
R9		Same as R1	
R10		RESISTOR, FIXED, COMPOSITION: 2,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF222J	
R11		Same as R10	
R12		Same as R10	
MODULE 4222070 or 7002070			
		INVERTER: Contains 1 capacitor, 5 diodes, 5 transistors, and 20 resistors; consists of 5 separate circuits, 1 input each; operating power requirements -4.5 vdc, -15 vdc, and	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		+15 vdc; mfd by 90536, part no. 4222070 or 7002070 Note: Module 4222070 has gold plated connector and module 7002070 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR2 thru CR5		Same as CR1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2 thru Q5		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R2 thru R5		Same as R1	
R6		RESISTOR, FIXED, COMPOSITION: 5,600 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF562J	
R7 thru R10		Same as R6	
R11 thru R15		Same as R1	
R16		RESISTOR, FIXED, COMPOSITION: 2,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF222J	
R17 thru R20		Same as R16	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
MODULE 4222080 or 7002080			
		INVERTER: Contains 1 capacitor, 9 diodes, 2 transistors, and 8 resistors; consists of 2 separate circuits, 1 circuit, 3 inputs; 1 circuit, 6 inputs; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222080 or 7002080	
		Note: Module 4222080 has gold plated connector and module 7002080 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, and 0.125 in. deep; mfd by 56289, part no. 31C31	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR2 thru CR9		Same as CR1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R2		Same as R1	
R3		RESISTOR, FIXED, COMPOSITION: 5,600 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF562J	
R4		Same as R3	
R5		Same as R1	
R6		Same as R1	
R7		RESISTOR, FIXED, COMPOSITION: 2,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF222J	
R8		Same as R7	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
MODULE 4222090 or 7002090			
		INVERTER-AMPLIFIER: Contains 3 capacitors, 4 diodes, 4 transistors, and 14 resistors; consists of 2 separate circuits, 3 inputs each; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222090 or 7002090	
		Note: Module 4222090 has gold plated connector and module 7002090 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	
C2		CAPACITOR, FIXED, GLASS DIELECTRIC: 500 vdc, 360 uuf, ±5 pct; insulated body, 0.515 in. wide, 0.296 in. high, 0.156 in. deep; MIL-C-11272; MIL CY15C361J	
C3		Same as C2	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07713, part no. 1N4086	
CR2		Same as CR1	
CR3		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR4		Same as CR3	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		Same as Q1	
Q3		TRANSISTOR: Mfd by 04713, part no. SM189	
Q4		Same as Q3	
R1		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R2		Same as R1	
R3		RESISTOR, FIXED, COMPOSITION: 56,000 ohm, ±2 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD563G	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R4		RESISTOR, FIXED, FILM: 72,000 ohm, ±2 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD273G	
R5		RESISTOR, FIXED, FILM: 8,200 ohm, ±2 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-26684; MIL no. RL20AD822G	
R6		Same as R5	
R7		RESISTOR, FIXED, FILM: 4,700 ohm, ±2 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-26684; MIL no. RL20AD472G	
R8		RESISTOR, FIXED, COMPOSITION: 1,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF102J	
R9		Same as R3	
R10		Same as R4	
R11		Same as R5	
R12		Same as R5	
R13		Same as R7	
R14		Same as R8	
MODULE 4222100 or 7002100			
		AMPLIFIER, DRIVER: Contains 1 capacitor, 8 transistors, and 12 resistors; consists of 4 separate circuits, 1 input each; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222100 or 7002100	
		Note: Module 4222100 has gold plated connector and module 7002100 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, and 0.125 in. deep; mfd by 56289, part no. 31C31	
Q1		TRANSISTOR: Mfd by 01295, part no. GA323	
Q2		Same as Q1	
Q3		Same as Q1	
Q4		Same as Q1	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
Q5		TRANSISTOR: Mfd by 04713, part no. SM15	
Q6		Same as Q5	
Q7		Same as Q5	
Q8		Same as Q5	
R1		RESISTOR, FIXED, COMPOSITION: 7,500 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF752J	
R2		Same as R1	
R3		Same as R1	
R4		Same as R1	
R5		RESISTOR, FIXED, COMPOSITION: 360 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF361J	
R6		Same as R5	
R7		Same as R5	
R8		Same as R5	
R9		RESISTOR, FIXED, COMPOSITION: 1,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF102J	
R10		Same as R9	
R11		Same as R9	
R12		Same as R9	
MODULE 4222110 or 7002110			
		AMPLIFIER, DRIVER: Clock timing; contains 3 capacitors, 9 transistors, and 19 resistors; consists of 1 circuit, 3 inputs; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222110 or 7002110 Note: Module 4222110 has gold plated connector and module 7002110 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC; 25 vdc, 3 section, 0.005 uf each section, +100 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
C2		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 100 uuf, ±20 pct; insulated body, 0.9 in. dia, 0.318 in. lg; mfd by 00656, part no. MC80V101AM	
C3		Same as C2	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2 thru Q9		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R2		Same as R1	
R3		RESISTOR, FIXED, COMPOSITION: 27,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF273J	
R4		Same as R3	
R5		RESISTOR, FIXED, COMPOSITION: 1,500 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF152J	
R6		RESISTOR, FIXED, COMPOSITION: 5,600 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF562J	
R7		Same as R5	
R8		Same as R6	
R9		RESISTOR, FIXED, COMPOSITION: 270 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF271J	
R10		Same as R9	
R11		Same as R9	
R12		Same as R9	
R13		Same as R6	
R14		Same as R6	
R15		Same as R9	
R16		Same as R9	
R17		RESISTOR, FIXED, COMPOSITION: 1,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF102J	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R18		Same as R17	
R19		Same as R17	
MODULE 4222120 or 7002120			
		AMPLIFIER, DRIVER: Clock delay line; contains 2 capacitors, 1 diode, 3 transistors, and 8 resistors; consists of 1 circuit, 3 inputs; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222120 or 7002120 Note: Module 4222120 has gold plated connector and module 7002120 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	
C2		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 47 uuf, ±20 pct; insulated body, 0.09 in. dia, 0.318 in. lg; mfd by 00656, part no. MC80V470AM	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		Same as Q1	
Q3		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 82 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD820J	
R2		RESISTOR, FIXED, COMPOSITION: 5,600 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF562J	
R3		Same as R2	
R4		RESISTOR, FIXED, COMPOSITION: 270 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF271J	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R5		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R6		RESISTOR, FIXED, COMPOSITION: 1,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF102J	
R7		RESISTOR, FIXED, COMPOSITION: 1,800 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF182J	
R8		RESISTOR, FIXED, COMPOSITION: 200 ohm, ±2 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD201G	
MODULE 4222130 or 7002130			
		AMPLIFIER, DRIVER: Control line; contains 5 capacitors, 8 diodes, 6 transistors, and 11 resistors; consists of 1 circuit, 3 inputs; power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222130 or 7002130 Note: Module 4222130 has gold plated connector and module 7002130 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, and 0.125 in. deep; mfd by 56289, part no. 31C31	
C2		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 4,700 uuf, ±20 pct; MIL-C-11015 CK1313472	
C3		CAPACITOR, FIXED, ELECTROLYTIC: 35 vdc, 1 uf, ±10 pct; mfd by 26655, part no. CS13BF105K	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
C4		CAPACITOR, FIXED, GLASS DIELECTRIC: 500 vdc, 330 pf, ±5 pct, MIL no. CY15C331J	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07713, part no. 1N4086	
CR2		Same as CR1	
CR3		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07910, part no. 1N758AM	
CR4		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR5		Same as CR4	
CR6		Same as CR4	
CR7		Same as CR4	
CR8		Same as CR1	
Q1		TRANSISTOR: Mfd by 01295, part no. GA322	
Q2		Same as Q1	
Q3		TRANSISTOR: Mfd by 02195, part no. GA323	
Q4		Same as Q1	
Q5		Same as Q3	
Q6		Same as Q5	
Q7		Same as Q3	
R1		RESISTOR, FIXED, COMPOSITION: 27 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF270J	
R2		RESISTOR, FIXED, FILM: 6,200 ohm, ±2 pct, 0.25 w at +70 deg C(+158 deg F); MIL no. RL07AD622G	
R3		RESISTOR, FIXED, FILM: 220 ohm, ±2 pct, 0.25 w at +70 deg C(+158 deg F); MIL no. RL07AD221G	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R4		RESISTOR, FIXED, FILM: 51 ohm, ±2 pct, 0.25 w at +70 deg C(+158 deg F); MIL no. RL07AD510G	
R5		RESISTOR, FIXED, COMPOSITION: 680 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF681J	
R6		RESISTOR, FIXED, COMPOSITION: 270 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF271J	
R7		RESISTOR, FIXED, COMPOSITION: 2,700 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF272J	
R8		RESISTOR, FIXED, COMPOSITION: 15,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RL07AD133G	
R9		RESISTOR, FIXED, COMPOSITION: 1,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF222J	
R10		RESISTOR, FIXED, COMPOSITION: 4,700 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF102J	
R11		RESISTOR, FIXED, FILM: 5,600 ohm, ±2 pct, 0.25 w at +70 deg C(+158 deg F); MIL no. RL07AD562G	
MODULE 4222140 or 7002140			
		AMPLIFIER, DRIVER: Data line; contains 5 capacitors, 3 diodes, 5 transistors, and 9 resistors; consists of 1 circuit, 1 input; operating power requirements, -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222140 or 7002140 Note: Module 4222140 has gold plated connector and module 7002140 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
C2		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 4,700 uuf, ±20 pct; MIL no. CK13AX472M	
C3		CAPACITOR, FIXED, ELECTROLYTIC: 35 vdc, 1 uf, ±10 pct; MIL no. CS13BF105K	
C4		CAPACITOR, FIXED, GLASS DIELECTRIC: 500 vdc, 330 uuf, ±5 pct MIL no. CY15C331J	
CR1 ,CR3		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07713, part no. 1N4086	
CR2		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
Q1		TRANSISTOR: Mfd by 01295, part no. GA322	
Q2		Same as Q1	
Q3		TRANSISTOR: Mfd by 01295, part no. GA323	
Q4		Same as Q1	
Q5		TRANSISTOR: Mfd by 04713, part no. SM5369	
R1		RESISTOR, FIXED, FILM: 220 ohm, ±2 pct, 0.25 w at +70 deg C(+158 deg F); MIL no. RL07AD221G	
R2		RESISTOR, FIXED, FILM: 51 ohm, ±2 pct, 0.25 w at +70 deg C(+158 deg F); MIL no. RL07AD510G	
R3		RESISTOR, FIXED, FILM: 6,200 ohm, ±2 pct, 0.25 w at +70 deg C(+158 deg F); MIL no. RL07AD622G	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R4		RESISTOR, FIXED, COMPOSITION: 27 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF270J	
R5		RESISTOR, FIXED, COMPOSITION: 13,000 ohm, ±2 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RL07AD133G	
R6		RESISTOR, FIXED, COMPOSITION: 2,700 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF272J	
R9		RESISTOR, FIXED, FILM: 5,600 ohm, ±2 pct, 0.25 w at +70 deg C(+158 deg F); MIL no. RL07AD562G	
MODULE 4222150 or 7002150			
		AMPLIFIER, DRIVER: Neon indicator; contains 4 capacitors, 3 diodes, 3 transistors, and 12 resistors; consists of 3 separate circuits, 1 input; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222150 or 7002150 Note: Module 4222150 has gold plated connector and module 7002150 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	
C2		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 20,000 uuf, ±20 pct; insulated body, 0.2 in. dia, 0.498 in. lg; mfd by 00656, part no. MC80V203AM	
C3		Same as C2	
C4		Same as C2	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07713, part no. 1N4086	
CR2		Same as CR1	
CR3		Same as CR1	
Q1		TRANSISTOR: Mfd by 04713, part no. SA252	
Q2		Same as Q1	
Q3		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 100 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF101J	
R2		Same as R1	
R3		Same as R1	
R4		RESISTOR, FIXED, COMPOSITION: 56,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF563J	
R5		RESISTOR, FIXED, COMPOSITION: 4,700 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF472J	
R6		Same as R4	
R7		Same as R5	
R8		Same as R4	
R9		Same as R5	
R10		RESISTOR, FIXED, COMPOSITION: 3,600 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF362J	
R11		Same as R10	
R12		Same as R10	
MODULE 4222160 or 7002160			
		INVERTER: Contains 1 capacitor, 9 diodes, 2 transistors, and 8 resistors; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222160 or 7002160 Note: Module 4222160 has gold plated connector and module 7002160 has solder plated connector.	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, and 0.125 in. deep; mfd by 56289, part no. 31C31	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR2 thru CR9		Same as CR1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R2		Same as R1	
R3		RESISTOR, FIXED, COMPOSITION: 5,600 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF562J	
R4		Same as R3	
R5		Same as R1	
R6		Same as R1	
R7		RESISTOR, FIXED, COMPOSITION: 2,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF222J	
R8		Same as R7	
MODULE 4222170 or 7002170			
		SWITCH, NEGATIVE: Contains 3 capacitors, 8 diodes, 4 transistors, and 12 resistors; consists of 1 circuit, 7 inputs; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222170 or 7002170 Note: Module 4222170 has gold plated connector and module 7002170 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	
C2		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 1,000 uuf, ±20 pct; insulated body, 0.09 in. dia, 0.318 in. lg; mfd by 00656, part no. MC80V102AM	
C3		Same as C2	
CR1		Reference designation cancelled	
CR2		Reference designation cancelled	
CR3		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR4 thru CR10		Same as CR3	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		Same as Q1	
Q3		TRANSISTOR: Mfd by 04713, part no. SM427	
Q4		Same as Q3	
R1		RESISTOR, FIXED, COMPOSITION: 5,600 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF562J	
R2		RESISTOR, FIXED, FILM: 2,200 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD222G	
R3		RESISTOR, FIXED, COMPOSITION: 2,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF222J	
R4		Same as R1	
R5		Same as R2	
R6		Same as R3	
R7		RESISTOR, FIXED, COMPOSITION: 100 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF101J	
R8		Same as R7	
R9		Same as R3	
R10		Same as R3	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R11		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R12		Same as R11	
MODULE 4222180 or 7002180			
		SWITCH, POSITIVE AND NEGATIVE: Contains 1 capacitor, 6 diodes, 5 transistors, and 13 resistors; consists of 1 circuit, 4 inputs; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222180 or 7002180	
		Note: Module 4222180 has gold plated connector and module 7002180 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	
CR1		SEMICONDUCTOR DEVICE, DIODE; Mfd by 07713, part no. 1N4086	
CR2		Same as CR1	
CR3		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR4		Same as CR3	
CR5		Same as CR3	
CR6		Same as CR3	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		TRANSISTOR: Mfd by 04713, part no. SM427	
Q3		Same as Q1	
Q4		Same as Q1	
Q5		TRANSISTOR: Mfd by 07263, part no. S6143	
R1		RESISTOR, FIXED, COMPOSITION: 7,500 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF752J	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R2		RESISTOR, FIXED, COMPOSITION: 4,700 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF472J	
R3		RESISTOR, FIXED, FILM: 100 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD101J	
R4		RESISTOR, FIXED, COMPOSITION: 2,400 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF242J	
R5		RESISTOR, FIXED, COMPOSITION: 6,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF622J	
R6		RESISTOR, FIXED, COMPOSITION: 750 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF751J	
R7		RESISTOR, FIXED, COMPOSITION: 3,900 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF392J	
R8		RESISTOR, FIXED, FILM: 820 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL32AD821J	
R9		Same as R4	
R10		RESISTOR, FIXED, COMPOSITION: 680 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF681J	
R11		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R12		RESISTOR, FIXED, FILM: 820 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD821J	
R13		RESISTOR, FIXED, COMPOSITION: 2,700 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF272J	
MODULE 4222191 or 7002191			
		AMPLIFIER, CURRENT DIVERTER: Memory; contains 1 capacitor, 2 diodes, 2 reactors, 3 transistors, and 12 resistors; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc, mfd by 90536, part no. 4222190 or 7002190	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V), MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		Note: Module 4222190 has gold plated connector and module 7002190 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07713, part no. 1N4086	
CR2		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
L1		REACTOR: 1 mh, 250 ma dc; mfd by 07341, part no. 50-505014-1	
L2		Same as L1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM465	
Q2		TRANSISTOR: Mfd by 04713, part no. SM15	
Q3		TRANSISTOR: Mfd by 07263, part no. S6143	
R1		RESISTOR, FIXED, COMPOSITION: 10,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF103J	
R2		RESISTOR, FIXED, COMPOSITION: 7,500 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF752J	
R3		RESISTOR, FIXED, COMPOSITION: 1,000 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC32GF102J	
R4		RESISTOR, FIXED, COMPOSITION: 560 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC32GF561J	
R5		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R6		RESISTOR, FIXED, COMPOSITION: 1 ohm, ±1 pct, 0.5 w at +40 deg C(+104 deg F); mfd by 79727, part no. NA15-1 OHM	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R7		RESISTOR, FIXED, COMPOSITION: 5.6 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC32GF5R6J	
R8		RESISTOR, FIXED, COMPOSITION: 1,800 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF182J	
R9		RESISTOR, FIXED, COMPOSITION: 820 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11, MIL no. RC07GF821J	
R10		RESISTOR, FIXED, COMPOSITION: 1,200 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF122J	
R11		Same as R5	
R12		RESISTOR, FIXED, COMPOSITION: 4,300 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF432J	
MODULE 4222200 or 7002200			
		SWITCH, READ-WRITE: Contains 1 capacitor, 2 diodes, 8 transistors, and 14 resistors; consists of 2 separate circuits, 1 input each; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222200 or 7002200 Note: Module 4222200 has gold plated connector and module 7002200 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, and 0.125 in. deep; mfd by 56289, part no. 31C31	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR2		Same as CR1	
Q1		TRANSISTOR: Mfd by 07263, part no. S6143	
Q2		Same as Q1	
Q3		Same as Q1	
Q4		Same as Q1	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
Q5		TRANSISTOR: Mfd by 04713, part no. SM15	
Q6		Same as Q5	
Q7		Same as Q5	
Q8		Same as Q5	
R1		RESISTOR, FIXED, COMPOSITION: 270 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF271J	
R2		RESISTOR, FIXED, FILM: 1,000 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD102J	
R3		Same as R1	
R4		Same as R2	
R5		RESISTOR, FIXED, COMPOSITION: 10,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF103J	
R6		RESISTOR, FIXED, COMPOSITION: 2,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF222J	
R7		Same as R5	
R8		Same as R6	
R9		RESISTOR, FIXED, COMPOSITION: 220 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF221J	
R10		Same as R9	
R11		RESISTOR, FIXED, COMPOSITION: 1,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF102J	
R12		Same as R11	
R13		RESISTOR, FIXED, COMPOSITION: 4,300 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF432J	
R14		Same as R13	
MODULE 4222210 or 7002210			
		SWITCH, INHIBIT: Contains 1 capacitor, 1 diode, 5 transistors, and 10 resistors; consists of 1 circuit, 9 inputs; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222210 or 7002210	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		Note: Module 4222210 has gold plated connector and module 7002210 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, .3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, and 0.125 in. deep; mfd by 56289, part no. 31C31	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		Same as Q1	
Q3		TRANSISTOR: Mfd by 07263, part no. S6143	
Q4		Same as Q3	
Q5		Same as Q3	
R1		RESISTOR, FIXED, COMPOSITION: 2,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF222J	
R2		RESISTOR, FIXED, COMPOSITION: 10,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF103J	
R3		RESISTOR, FIXED, COMPOSITION: 1,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF102J	
R4		RESISTOR, FIXED, COMPOSITION: 4,300 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF432J	
R5		RESISTOR, FIXED, COMPOSITION: 220 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF221J	
R6		RESISTOR, FIXED, FILM: 1,000 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD102J	
R7		RESISTOR, FIXED, COMPOSITION: 270 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF271J	
R8		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R9		Same as R8	
R10		Same as R8	
MODULE 4222350 or 7002350			
		NETWORK, PULSE DELAY: 0.3 usec, 10 section; contains 10 capacitors and 10 delay line coils; mfd by 90536, part no. 4222350 or 7002350 Note: Module 4222350 has gold plated connector and module 7002350 has solder plated connector.	
C1		CAPACITOR, FIXED, MICA DIELECTRIC: 500 vdc, 150 uuf, ±2 pct, insulated body, 0.19 in. deep, 0.37 in. high, 0.46 in. wide; mfd by 72136, part no. DM15 150 ±2 PCT	
C2 thru C10		Same as C1	
L1		COIL; DELAY LINE: 5.8 uh ±4 pct 0a.3 ohm dc max; mfd by 07341, part no. 50-505020-1	
L2 thru L10		Same as L1	
MODULE 4222360 or 7002360			
		NETWORK, PULSE DELAY: 0.1 usec, 10 section; contains 10 capacitors and 10 delay line coils; mfd by 90536, part no. 4222360 or 7002360 Note: Module 4222360 has gold plated connector and module 7002360 has solder plated connector.	
C1		CAPACITOR, FIXED, MICA DIELECTRIC: 500 vdc, 50 uuf, ±2 pct; insulated body, 0.17 in. deep, 0.36 in. high, 0.45 in. wide; mfd by 72136, part no. DM15 50 ±2 PCT	
C2 thru C10		Same as C1	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
L1		COIL, DELAY LINE: 2 uh; ±4 pct, 0.2 ohm max, 100 kc at 10 mv; mfd by 90536, part no. 4057486-00	
L2 thru L10		Same as L1	
MODULE 4222370 or 7002370			
		NETWORK, PULSE DELAY: Contains 18 capacitors, 18 coils, and 1 resistor; consists of 1 circuit, 5 inputs; mfd by 90536, part no. 4222370 or 7002370	
		Note: Module 4222370 has gold plated connector and module 7002370 has solder plated connector.	
C1		CAPACITOR, FIXED, MICA DIELECTRIC: 500 vdc, 25 uuf, ±2 pct; insulated body, 0.17 in. deep, 0.37 in. high, 0.45 in. wide; mfd by 72136, part no. DM15 25 ±2 PCT	
C2 thru C18		Same as C1	
		Same as C1	
L1		COIL, DELAY LINE: 1 uh, ±4 pct at 100 kc, 0.04 ohm dc max; mfd by 90536, part no. 4027475-00	
L2 thru L18		Same as L1	
		Same as L1	
R1		RESISTOR, FIXED, FILM: 220 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD221J	
MODULE 4222380 or 7002380			
		NETWORK, PULSE DELAY: Contains 18 capacitors and 18 coils; consists of 1 circuit, 1 input; mfd by 90536, part no. 4222380 or 7002380	
		Note: Module 4222380 has gold plated connector and module 7002380 has solder plated connector.	
C1		CAPACITOR, FIXED, MICA DIELECTRIC: 500 vdc, 25 uuf, ±2 pct; insulated	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		body, 0.17 in. deep, 0.37 in. high, 0.45 in. wide; mfd by 72136, part no. DM15 25 ±2 PCT	
C2 thru C18		Same as C1	
L1		COIL, DELAY LINE: 1 uh, ±4 pct at 100 kc, 0.04 ohm dc max; mfd by 90536, part no. 4027475-00	
L2 thru L18		Same as L1	
MODULE 4222390 or 7002390			
		SELECTOR, TRANSFORMER: Contains 2 capacitors, 9 diodes, 2 transistors, and 9 resistors; consists of 1 circuit, 4 inputs; operating power requirements -15 vdc and +15 vdc; mfd by 90536, part no. 4222390 or 7002390	
		Note: Module 4222390 has gold plated connector and module 7002390 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 50 vdc, 0.1 uf, ±20 pct; insulated body, 0.14 in. dia, 0.4 in. lg; mfd by 00656, part no. CR89W104AM	
C2		Same as C1	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR2 thru CR9		Same as CR1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM426	
Q2		TRANSISTOR: Mfd by 04713, part no. SM15	
R1		RESISTOR, FIXED, FILM: 1,800 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD182J	
R2		RESISTOR, FIXED, COMPOSITION: 8,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF822J	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R3		RESISTOR, FIXED, FILM: 680 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL32AD681J	
R4		Same as R3	
R5		RESISTOR, FIXED, COMPOSITION: 820 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF821J	
R6		RESISTOR, FIXED, COMPOSITION: 2,700 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF272J	
R7		Same as R6	
R8		Same as R7	
R9		Same as R7	
MODULE 4222400 or 7002400			
		TRANSFORMER, SELECTOR: Contains 3 capacitors, 1 transistor, and 6 resistors; consists of 1 circuit, 1 input; operating power requirements -15 vdc and +15 vdc; mfd by 90536, part no. 4222400 or 7002400 Note: Module 4222400 has gold plated connector and module 7002400 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 330 uuf, ±20 pct; insulated body, 0.09 in. dia, 0.318 in. lg; mfd by 00656, part no. MC80V331AM	
C2		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 50 vdc, 0.1 uf, ±20 pct; insulated body, 0.14 in. dia, 0.4 in. lg; mfd by 00656, part no. CR89W104AM	
C3		Same as C2	
Q1		TRANSISTOR: Mfd by 04713, part no. SM427	
R1		RESISTOR, FIXED, FILM: 560 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL32AD561J	
R2		RESISTOR, FIXED, FILM: 51 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD510J	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R3		RESISTOR, FIXED, FILM: 470 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL32AD471J	
R4		Same as R3	
R5		RESISTOR, FIXED, FILM: 680 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL32AD681J	
R6		Same as R5	
MODULE 4222410 or 7002410			
		NETWORK, IMPEDANCE MATCHING: Contains 7 capacitors, 4 diodes, 4 transistors, and 12 resistors; consists of 4 separate circuits, 1 input each; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222410 or 7002410 Note: Module 4222410 has gold plated connector and module 7002410 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 22 uuf, ±20 pct; insulated body, 0.09 in. dia, 0.318 in. lg; mfd by 00656, part no. MC80V220AM	
C2		Same as C1	
C3		Same as C1	
C4		Same as C1	
C5		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 50 vdc, 0.1 uf, ±20 pct; insulated body, 0.14 in. dia, 0.4 in. lg; mfd by 00656, part no. CR89W104AM	
C6		Same as C5	
C7		Same as C5	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR2		Same as CR1	
CR3		Same as CR1	
CR4		Same as CR1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		Same as Q1	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
Q3		Same as Q1	
Q4		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 47,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF473J	
R2		RESISTOR, FIXED, COMPOSITION: 5,600 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF562J	
R3		Same as R1	
R4		Same as R2	
R5		Same as R1	
R6		Same as R2	
R7		Same as R1	
R8 thru R12		Same as R2	
MODULE 4222420 or 7002420			
		AMPLIFIER, PULSE: Contains 5 capacitors, 5 diodes, 2 transistors, 8 resistors, and 1 transformer; consists of 1 circuit, 2 inputs; operating power requirements -7 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222420 or 7002420 Note: Module 4222420 has gold plated connector and module 7002420 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 100 uuf, ±20 pct; insulated body, 0.09 in. dia, 0.318 in. lg; mfd by 00656, part no. MC80V101AM	
C2		Same as C1	
C3		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 50 vdc, 0.1 uf, ±20 pct; insulated body, 0.14 in. dia, 0.4 in. lg; mfd by 00656, part no. CR89W104AM	
C4		Same as C3	
C5		Same as C3	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
CR2		Same as CR1	
CR3		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07263, part no. 1N3597	
CR4		Same as CR1	
CR5		Same as CR1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		TRANSISTOR: Mfd by 04713, part no. SM426	
R1		RESISTOR, FIXED, COMPOSITION: 4,300 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF432J	
R2		RESISTOR, FIXED, COMPOSITION: 10,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF103J	
R3		RESISTOR, FIXED, COMPOSITION: 1,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF102J	
R4		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R5		RESISTOR, FIXED, FILM: 1,000 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD102J	
R6		RESISTOR, FIXED, COMPOSITION: 180 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD181J	
R7		RESISTOR, FIXED, FILM: 270 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD271J	
R8		Same as R1	
T1		TRANSFORMER, PULSE: 100 kc, 0.02 usec w time, 2 mc repetition rate, 0.005 usec rise time; mfd by 90536, part no. 4027500-00	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
MODULE 4222430 or 7002430			
		AMPLIFIER, DRIVER: Delay line; contains 3 capacitors, 3 diodes, 1 transistor, and 6 resistors; consists of 1 circuit, 1 input; operating power requirements -15 vdc and +15 vdc; mfd by 90536, part no. 4222430 or 7002430	
		Note: Module 4222430 has gold plated connector and module 7002430 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 22 uuf, ±20 pct; insulated body, 0.09 in. dia, 0.318 in. lg; mfd by 00656, part no. MC80V220AM	
C2		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 50 vdc, 0.1 uf, ±20 pct; insulated body, 0.14 in. dia, 0.4 in. lg; mfd by 00656, part no. CR89W104AM	
C3		Same as C2	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR2		Same as CR1	
CR3		Same as CR1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM426	
R1		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, .1 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC32GF471J	
R2		Same as R1	
R3		RESISTOR, FIXED, COMPOSITION: 2,200 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF222J	
R4		RESISTOR, FIXED, COMPOSITION: 220 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF221J	
R5		RESISTOR, FIXED, COMPOSITION: 1,500 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF152J	
R6		Same as R5	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
MODULE 4222440 or 7002440			
		AMPLIFIER, PULSE: Contains 6 capacitors, 2 diodes, 3 transistors, and 10 resistors; consists of 1 circuit, 1 input; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222440 or 7002440 Note: Module 4222440 has gold plated connector and module 7002440 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 50 vdc, 0.1 uf, ±20 pct; insulated body, 0.14 in. dia, 0.4 in. lg; mfd by 00656, part no. CR89W104AM	
C2		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 330 uuf, ±20 pct; insulated body, 0.09 in. dia, 0.318 in. lg; mfd by 00656, part no. MC80V331AM	
C3		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 100 uuf, ±20 pct; insulated body, 0.09 in. dia, 0.318 in. lg; mfd by 00656, part no. MC80V331AM	
C3		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 100 uuf, ±20 pct; insulated body, 0.09 in. dia, 0.318 in. lg; mfd by 00656, part no. MC80V101AM	
C4		Reference designation cancelled	
C5		Same as C1	
C6		Same as C1	
C7		Same as C1	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07263, part no. 1N3597	
CR2		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
Q1		TRANSISTOR: Mfd by 04713, part no. SM426	
Q2		TRANSISTOR: Mfd by 04713, part no. SM15	
Q3		Same as Q2	
R1		RESISTOR, FIXED, COMPOSITION: 2,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF222J	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R2		RESISTOR, FIXED, COMPOSITION: 560 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC32GF561J	
R3		RESISTOR, FIXED, COMPOSITION: 22,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF223J	
R4		RESISTOR, FIXED, COMPOSITION: 180 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF181J	
R5		RESISTOR, FIXED, COMPOSITION: 1,000 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF102J	
R6		RESISTOR, FIXED, COMPOSITION: 15,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF153J	
R7		RESISTOR, FIXED, COMPOSITION: 1,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF102J	
R8		RESISTOR, FIXED, COMPOSITION: 39,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF393J	
R9		RESISTOR, FIXED, COMPOSITION: 3,300 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF332J	
R10		RESISTOR, FIXED, COMPOSITION: 5,600 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF562J	
MODULE 4222450 or 7002450			
		TRANSLATOR, WORD CURRENT: Contains 5 capacitors, 7 diodes, 2 transistors, and 9 resistors; consists of 1 circuit, 4 inputs; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222450 or 7002450 Note: Module 4222450 has gold plated connector and module 7002450 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 470 uuf, ±20 pct; insulated body, 0.09 in. dia, 0.318 in. lg; mfd by 00656, part no. MC80V471AM	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
C2		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 100 uuf, ±20 pct; insulated body, 0.09 in. dia, 0.318 in. lg; mfd by 00656, part no. MC80V101AM	
C3		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 50 vdc, 0.1 uf, ±20 pct; insulated body, 0.14 in. dia, 0.4 in. lg; mfd by 00656, part no. CR89W104AM	
C4		Same as C3	
C5		Same as C3	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 13715, part no. 1N3064	
CR2		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR3		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07263, part no. 1N3597	
CR4 thru CR7		Same as CR2	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		TRANSISTOR: Mfd by 07263, part no. S6143	
R1		RESISTOR, FIXED, COMPOSITION: 10,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF103J	
R2		RESISTOR, FIXED, FILM: 910 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL32AD911J	
R3		RESISTOR, FIXED, FILM: 180 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD181J	
R4		RESISTOR, FIXED, COMPOSITION: 1,500 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF152J	
R5		RESISTOR, FIXED, FILM: 820 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL32AD821J	
R6		RESISTOR, FIXED, FILM: 150 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD151J	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R7		RESISTOR, FIXED, COMPOSITION: 2,700 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF272J	
R8		RESISTOR, FIXED, FILM: 300 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL32AD301J	
R9		Same as R8	
MODULE 4222460 or 7002460			
		SHAPER, STROBE PULSE: Contains 9 capacitors, 6 diodes, 5 relays, 1 transistor, 6 resistors, and 1 transformer; consists of 1 circuit, 3 inputs; operating power requirements -7 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222460 or 7002460 Note: Module 4222460 has gold plated connector and module 7002460 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 50 vdc, 0.1 uf, ±20 pct; insulated body, 0.14 in. dia, 0.4 in. lg; mfd by 00656, part no. MC89C104AM	
C2		Same as C1	
C3		CAPACITOR, FIXED, MICA DIELECTRIC: 300 vdc, 15 uuf, ±0.1 pct; insulated body, 0.19 in. deep, 0.33 in. high, 0.39 in. wide; mfd by 72136, part no. DM-10C150 0300 WV 4CR	
C4 thru C7		Same as C3	
C8		CAPACITOR, FIXED, GLASS DIELECTRIC: 500 vdc, 47 uuf, ±5 pct; insulated body, 0.39 in. wide, 0.203 in. high, 0.109 in. deep; MIL-C-11272; MIL no. CY10C470J	
C9		Same as C1	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR2		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07263, part no. 1N3597	
CR3		Same as CR1	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
CR4		Same as CR1	
CR5		Same as CR1	
CR6		Same as CR2	
L1		COIL, DELAY LINE: 0.6 uh, ±4 pct, 0.04 ohm dc; mfd by 90536, part no. 4027513-00	
L2 thru L5		Same as L1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM426	
R1		RESISTOR, FIXED, COMPOSITION: 6,800 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF682J	
R2		RESISTOR, FIXED, COMPOSITION: 100 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF101J	
R3		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R4		RESISTOR, FIXED, COMPOSITION: 2,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF222J	
R5		RESISTOR, FIXED, FILM: 330 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD331J	
R6		RESISTOR, FIXED, COMPOSITION: 150 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF151J	
T1		TRANSFORMER: Mfd by 90536, part no. 4027500.	
MODULE 4222470 or 7002470			
		SHAPER, STROBE PULSE: Contains 4 capacitors, 3 diodes, 1 transistor, 7 resistors, and 1 transformer; consists of 1 circuit, 1 input; operating power requirements - 7 vdc, -15 vdc, and +15 vdc; mfg by 90536, part no. 4222470 or 7002470 Note; Module 4222470 has gold plated connector and module 7002470 has solder plated connector.	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC, 50 vdc, 0.1 uf, ±20 pct; mfd by 00656, part no. MC89C104AM	
C2 thru C4		Same as C1	
CR1		SEMICONDUCTOR DEVICE, DIODE: mfd by 98925, part no. 1N3592	
CR2		Same as CR1	
CR3		SEMICONDUCTOR DEVICE, DIODE: mfd by 07263, part no. 1N3597	
Q1		TRANSISTOR: Mfd by 93332, part no. SYL4287	
R1		RESISTOR, FIXED, COMPOSITION: 3300 ohm, ±5 pct, 0.25 w, MIL no. RC07GF332J	
R2		RESISTOR, FIXED, METAL OXIDE FILM, 560 ohm, ±5 pct, 1 w, MIL no. RL32AD561J	
R3		Same as R2	
R4		Same as R2	
R5		RESISTOR, FIXED, COMPOSITION, 22 ohm, ±5 pct, 1 w, MIL no. RC32GF220J	
R6		RESISTOR, FIXED, METAL OXIDE FILM, 270 ohm, ±5 pct, 0.5 w, MIL no. RL20AD271J	
R7		RESISTOR, FIXED, METAL OXIDE FILM, 180 ohm, ±5 pct, 1 w, MIL no. RL32AD181J	
T1		TRANSFORMER, PULSE, mfd by 90536, part no. 4027502	
MODULE 4222480 or 7002480			
		WORD CURRENT GENERATOR: Contains 6 capacitors, 6 diodes, 2 transistors, and 7 resistors; consists of 1 circuit, 2 inputs; operating power requirements -7 vdc, -15 vdc, and +15 vdc; mfd by 90536	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		part no. 4222480 or 7002480 Note: Module 4222480 has gold plated connector and module 7002480 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC, 100 vdc, 100 uuf, ± 20 pct, mfd by 00656, part no. MC80V101AM	
C2		CAPACITOR, FIXED, GLASS, 500 vdc, 68 uuf, ±5 pct, MIL no. CY10C680J	
C3		Same as C1	
C4		CAPACITOR, FIXED, CERAMIC DIELECTRIC, 50 vdc, 0.1 uf, ±20 pct, mfd by 00656, part no. MC89C104AM	
C5		Same as C4	
C6		Same as C4	
CR1		SEMICONDUCTOR DEVICE, DIODE, mfd by 98925, part no. 1N3592	
CR2		Same as CR1	
CR3		Same as CR1	
CR4		SEMICONDUCTOR DEVICE, DIODE, mfd by 07263, part no. USN 1N3064	
CR5		Same as CR1	
CR6		Same as CR1	
Q1		TRANSISTOR, mfd by 93332, part no. SYL4287	
Q2		TRANSISTOR, mfd by 04713, part no. SM514	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R1		RESISTOR, FIXED, COMPOSITION: 82 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC32GF820J	
R2		RESISTOR, FIXED, COMPOSITION: 4,700 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF472J	
R3		RESISTOR, FIXED, COMPOSITION: 560 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF561J	
R4		RESISTOR, FIXED, COMPOSITION: 390 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF391J	
R5		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC32GF471J	
R6		RESISTOR, FIXED, COMPOSITION: 1,200 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF122J	
R7		Same as R6	
MODULE 4222490 or 7002490			
		GENERATOR, WORD CURRENT: Contains 9 diodes, 2 coils, 2 transistors, and 8 resistors; consists of 1 circuit, 1 input; operating power requirements +15 vdc; mfd by 90536, part no. 4222490 or 7002490 Note: Module 4222490 has gold plated connector and module 7002490 has solder plated connector.	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07263, part no. 1N3597	
CR2 thru CR8		Same as CR1	
CR9		SEMICONDUCTOR DEVICE, DIODE: Mfd by 13715, part no. 1N3064	
L1		COIL, RADIO FREQUENCY: 27 uh, ±10 pct, 550 ma, 1.4 ohm dc; MIL-C-15305B; MIL no. LT7K162	
L2		Same as L1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM427	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
Q2		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 91 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-11; RC32GF910J	
R2		Same as R1	
R3		Same as R1	
R4		RESISTOR, FIXED, FILM: 2 ohm, ±1 pct, 0.5 w at +40 deg C(+104 deg F); mfd by 79727, part no. NA15-2 OHM	
R5		Same as R4	
R6		RESISTOR, FIXED, COMPOSITION: 10 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF100J	
R7		Same as R6	
R8		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC32GF471J	
MODULE 4222500 or 7002500			
		DIVERTER, WORD CURRENT: Contains 2 capacitors, 4 transistors, and 12 resistors; consists of 1 circuit, 4 inputs; operating power requirements -15 vdc and +15 vdc; mfd by 90536, part no. 4222500 or 7002500	
		Note: Module 4222500 has gold plated connector and module 7002500 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 50 vdc, 0.1 uf, ±20 pct; insulated body, 0.14 in. dia, 0.4 in. lg; mfd by 00656, part no. CR89W104AM	
C2		Same as C1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM427	
Q2		Same as Q1	
Q3		Same as Q1	
Q4		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 1,200 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC32GF122J	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R2		Same as R1	
R3		Same as R1	
R4		Same as R1	
R5		RESISTOR, FIXED, COMPOSITION: 3,300 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF332J	
R6		Same as R5	
R7		Same as R5	
R8		Same as R5	
R9		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R10		Same as R9	
R11		Same as R9	
R12		Same as R9	
MODULE 4222510 or 7002510			
		FLIP-FLOP: Data register; contains 3 capacitors, 15 diodes, 4 transistors, and 14 resistors; consists of 1 circuit, 5 inputs; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222510 or 7002510 Note: Module 4222510 has gold plated connector and module 7002510 has solder plated connector.	
C1		CAPACITOR, FIXED, GLASS DIELECTRIC: 500 vdc, 47 uuf, ±5 pct; insulated body, 0.39 in. wide, 0.203 in. high, 0.109 in. deep; MIL-C-11272; MIL no. CY10C470J	
C2		Same as C1	
C3		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
CR2 thru CR15		Same as CR1	
		Same as CR1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		Same as Q1	
Q3		Same as Q1	
Q4		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 1,800 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF182J	
R2		Same as R1	
R3		RESISTOR, FIXED, COMPOSITION: 4,700 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF472J	
R4		Same as R3	
R5		RESISTOR, FIXED, COMPOSITION: 330 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF331J	
R6		Same as R5	
R7		RESISTOR, FIXED, FILM: 470 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD471J	
R8		Same as R7	
R9		RESISTOR, FIXED, COMPOSITION: 18,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF183J	
R10		Same as R9	
R11		RESISTOR, FIXED, COMPOSITION: 5,600 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF562J	
R12		Same as R11	
R13		Same as R11	
R14		Same as R11	
MODULE 4222520 or 7002520			
		INVERTER: Contains 2 capacitors, 10 diodes, 2 transistors, and 7 resistors; consists of 1 circuit, 6 inputs; operating power requirements -4.5 vdc, -15	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		vdc, +15 vdc; mfd by 90536, part no. 4222520 or 7002520 Note: Module 4222520 has gold plated connector and module 7002520 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	
C2		CAPACITOR, FIXED, GLASS DIELECTRIC: 500 vdc, 47 uuf, ±5 pct, insulated body, 0.39 in. wide, 0.203 in. high, 0.109 in. deep; MIL-C-11272; MIL no. CY10C470J	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR2 thru CR10		Same as CR1 Same as CR1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 4,700 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF472J	
R2		RESISTOR, FIXED, FILM: 1,800 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD182J	
R3		RESISTOR, FIXED, COMPOSITION: 330 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF331J	
R4		RESISTOR, FIXED, COMPOSITION: 18,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF183J	
R5		RESISTOR, FIXED, FILM: 470 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD471J	
R6		RESISTOR, FIXED, COMPOSITION: 5,600 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF562J	
R7		Same as R6	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
MODULE 4222530 or 7002530			
		AMPLIFIER, DIGIT TIMING: Contains 4 capacitors, 4 diodes, 4 transistors, and 12 resistors; consists of 2 separate circuits, 2 inputs each; operating power requriements -15 vdc and +15 vdc; mfd by 90536, part no. 4222530 or 7002530	
		Note: Module 4222530 has gold plated connector and module 7002530 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 50 vdc, 0.1 uf, ±20 pct; insulated body, 0.14 in. dia, 0.4 in. lg; mfd by 00656, part no. CR89W104AM	
C2		Same as C1	
C3		Same as C1	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR2		Same as CR1	
CR3		Same as CR1	
CR4		Same as CR1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM426	
Q2		Same as Q1	
Q3		TRANSISTOR: Mfd by 04713, part no. SM15	
Q4		Same as Q3	
R1		RESISTOR, FIXED, COMPOSITION: 680 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC32GF681J	
R2		Same as R1	
R3		RESISTOR, FIXED, COMPOSITION: 8,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF822J	
R4		RESISTOR, FIXED, COMPOSITION: 1,800 ohm, ±5 pct, 0 5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF182J	
R5		Same as R3	
R6		Same as R4	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R7		RESISTOR, FIXED, COMPOSITION: 10,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF103J	
R8		RESISTOR, FIXED, COMPOSITION: 820 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF821J	
R9		Same as R7	
R10		Same as R8	
MODULE 4222540 or 7002540			
		AMPLIFIER, DIGIT TIMING: Contains 4 capacitors, 1 diode, 1 transistor, and 7 resistors; consists of 1 circuit, 1 input; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222540 or 7002540 Note: Module 4222540 has gold plated connector and module 7002540 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 50 vdc, 0.1 uf, ±20 pct; insulated body, 0.14 in. dia, 0.4 in. lg; mfd by 00656, part no. CR89W104AM	
C2		Same as C1	
C3		Same as C1	
C4		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 330 uuf, ±20 pct; insulated body, 0.09 in. dia, 0.318 in. lg; mfd by 00656, part no. MC80V331AM	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07263, part no. 1N3597	
Q1		TRANSISTOR: Mfd by 04713, part no. SM426	
R1		RESISTOR, FIXED, FILM: 470 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL32AD471J	
R2		Same as R1	
R3		RESISTOR, FIXED, FILM: 560 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL32AD561J	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R4		RESISTOR, FIXED, FILM: 51 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD510J	
R5		RESISTOR, FIXED, FILM: 680 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL32AD681J	
R6		Same as R5	
R7		Same as R5	
MODULE 4222550 or 7002550			
		GENERATOR, DIGIT: Contains 5 capacitors, 8 diodes, 4 transistors, and 16 resistors; consists of 1 circuit, 5 inputs; operating power requirements -15 vdc and +15 vdc; mfd by 90536, part no. 4222550 or 7002550	
		Note: Module 4222550 has gold plated connector and module 7002550 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	
C2		CAPACITOR, FIXED, GLASS DIELECTRIC: 500 vdc, 47 uuf, ±5 pct; insulated body, 0.39 in. wide, 0.203 in. high, 0.109 in. deep; MIL-C-11272; MIL no. CY10C470J	
C3		Same as C2	
C4		Same as C2	
C5		Same as C2	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR2 thru CR8		Same as CR1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		Same as Q1	
Q3		Same as Q1	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
Q4		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 6,800 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF682J	
R2		Same as R1	
R3		Same as R1	
R4		Same as R1	
R5		RESISTOR, FIXED, COMPOSITION: 680 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF681J	
R6		Same as R5	
R7		Same as R5	
R8		Same as R5	
R9		RESISTOR, FIXED, COMPOSITION: 2,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF222J	
R10		Same as R9	
R11		Same as R9	
R12		Same as R9	
R13		RESISTOR, FIXED, COMPOSITION: 1,800 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF182J	
R14		Same as R13	
R15		Same as R13	
R16		Same as R13	
MODULE 4222560 or 7002560			
		GENERATOR, DIGIT: Contains 1 capacitor, 2 transistors, 8 resistors, and 3 transformers; consists of 1 circuit, 2 inputs; operating power requirements -15 vdc and +15 vdc; mfd by 90536, part no. 4222560 or 7002560 Note: Module 4222560 has gold plated connector and module 7002560 has solder plated connector.	
C1		Reference designation cancelled	
C2		Reference designation cancelled	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
C3		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 50 vdc, 0.1 uf, ±20 pct; insulated body, 0.14 in. dia, 0.4 in. lg; mfd by 00656, part no. CR89W104AM	
Q1		TRANSISTOR: Mfd by 04713, part no. SM514	
Q2		TRANSISTOR: Mfd by 04713, part no. SM427	
R1		RESISTOR, FIXED, COMPOSITION: 47 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF470J	
R2		Same as R1	
R3		RESISTOR, FIXED, COMPOSITION: 160 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC32GF161J	
R4		Same as R3	
R5		RESISTOR, FIXED, COMPOSITION: 680 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF681J	
R6		RESISTOR, FIXED, COMPOSITION: 620 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF621J	
R7		Same as R6	
R8		Same as R5	
T1		TRANSFORMER, PULSE: 0.4 usec w time, 100 kc repetition rate, 0.06 usec rise time; mfd by 90536, part no. 4027492-00	
T2		TRANSFORMER, PULSE: 0.4 usec w time, 100 kc repetition rate, 0.04 usec rise time; mfd by 90536, part no. 4027562-00	
T3		TRANSFORMER, PULSE: 0.4 usec w time, 100 kc repetition rate, 0.04 usec rise time; mfd by 90536, part no. 4027593-00	
MODULE 4222570 or 7002570			
		AMPLIFIER, SENSE: Contains 11 capacitors, 4 diodes, 4 transistors, 18 resistors, and 1 transformer; consists of 1 circuit, 2 inputs; operating power requirements -15 vdc	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		and +15 vdc; mfd by 90536, part no. 4222570 or 7002570 Note: Module 4222570 has gold plated connector and module 7002570 has solder plated connector.	
C1		CAPACITOR, FIXED, ELECTROLYTIC: 35 vdc, 1 uf, ±10 pct; -80 deg C(-112 deg F) to +85 deg C(+185 deg F) operating temp range; metal case, insulated, hermetically sealed, 0.135 in. dia, 0.322 in. lg; mfd by 56289, part no. 150D105X9035A2	
C2 thru C5		Same as C1	
C6		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 820 uuf, ±20 pct; insulated body, 0.09 in. dia, 0.318 in. lg; mfd by 00656, part no. MC80V821AM	
C7 thru C11		Same as C1	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 13715, part no. 1N3064	
CR2		Same as CR1	
CR3		Same as CR1	
CR4		Same as CR1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		Same as Q1	
Q3		Same as Q1	
Q4		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 1,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF102J	
R2		RESISTOR, FIXED, COMPOSITION: 200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF201J	
R3		Same as R1	
R4		RESISTOR, FIXED, COMPOSITION: 100 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF101J	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R5		RESISTOR, FIXED, COMPOSITION: 2,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF202J	
R6		Same as R5	
R7		Same as R1	
R8		RESISTOR, FIXED, COMPOSITION; 15,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF153J	
R9		RESISTOR, FIXED, COMPOSITION: 4,700 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF472J	
R10		RESISTOR, FIXED, COMPOSITION: 240 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF241J	
R11		Same as R9	
R12		Same as R8	
R13		Same as R1	
R14		Same as R5	
R15		Same as R5	
R16		RESISTOR, FIXED, COMPOSITION: 2,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF222J	
R17		Same as R16	
R18		RESISTOR, FIXED, COMPOSITION: 110 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF111J	
T1		TRANSFORMER, PULSE: Mfd by 90536, part no. 4055070	
MODULE 4222580 or 7002580			
		AMPLIFIER, SENSE: Contains 5 capacitors, 13 diodes, 3 transistors, and 14 resistors, consists of 1 circuit, 5 inputs; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222580 or 7002580 Note: Module 4222580 has gold plated connector and module 7002590 has solder plated connector.	
C1		CAPACITOR, FIXED, ELECTROLTYIC: 35 vdc, 1 uf, ±10 pct; -80 deg C(-112	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		deg F) to +85 deg C(+185 deg F) operating temp range; metal case, insulated, hermetically sealed, 0.135 in. dia, 0.322 in. lg; mfd by 56289, part no. 150D105X9035A2	
C2		Same as C1	
C3		CAPACITOR, FIXED, GLASS DIELECTRIC: 500 vdc, 68 uuf, ±5 pct; insulated body, 0.39 in. wide, 0.203 in. high, 0.109 in. deep; MIL-C-11272; MIL no. CY10C860J	
C4		Same as C1	
C5		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR2		SEMICONDUCTOR DEVICE, DIODE: Mfd by 13715, part no. 1N3064	
CR3		SEMICONDUCTOR DEVICE, DIODE: Mfd by 99942, part no. T1008	
CR4 thru CR13		Same as CR3	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		Same as Q1	
Q3		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 150 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF151J	
R2		RESISTOR, FIXED, COMPOSITION: 3,300 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF332J	
R3		RESISTOR, FIXED, COMPOSITION: 4,300 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF432J	
R4		RESISTOR, FIXED, COMPOSITION: 12,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF123J	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R5		Same as R4	
R6		Same as R2	
R7		RESISTOR, FIXED, COMPOSITION: 1,800 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF182J	
R8		Same as R7	
R9		RESISTOR, FIXED, COMPOSITION: 2,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF222J	
R10		Same as R2	
R11		Same as R2	
R12		Same as R9	
R13		RESISTOR, FIXED, COMPOSITION: 10,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF103J	
R14		Same as R13	
MODULE 4222590 or 7002590			
		INVERTER: Contains 4 capacitors, 8 diodes, 4 transistors, and 16 resistors; consists of 4 separate circuits, 1 input each; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222590 or 7002590	
		Note: Module 4222590 has gold plated connector and module 7002590 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	
C2		Reference designation cancelled	
C3		Same as C1	
C4		Same as C1	
C5		Same as C1	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
CR2 thru CR8		Same as CR1	
		Same as CR1	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		Same as Q1	
Q3		Same as Q1	
Q4		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 2,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF222J	
R2		Same as R1	
R3		Same as R1	
R4		Same as R1	
R5		RESISTOR, FIXED, COMPOSITION: 22,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF223J	
R6		Same as R5	
R7		Same as R5	
R8		Same as R5	
R9		RESISTOR, FIXED, COMPOSITION: 1,800 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF182J	
R10		Same as R9	
R11		Same as R9	
R12		Same as R9	
R13		RESISTOR, FIXED, COMPOSITION: 5,600 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF562J	
R14		Same as R13	
R15		Same as R13	
R16		Same as R13	
MODULE 4222600 or 7002600			
		REGULATOR, VOLTAGE: -7 volts; contains 3 capacitors, 2 transistors, and 8 resistors; operating power requirements -4.5 vdc and -15 vdc; mfd by 90536, part no. 4222600 or 7002600	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		Note: Module 4222600 has gold plated connector and module 7002600 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 50 vdc, 0.1 uf, ±20 pct; insulated body, 0.14 in. dia, 0.4 in. lg; mfd by 00656, part no. CR89W104AM	
C2		Same as C1	
C3		CAPACITOR, FIXED, ELECTROLYTIC: 35 vdc, 6.8 uf, ±10 pct; -80 deg C(-112 deg F) to +85 deg C(+185 deg F) operating temp range; metal case, insulated, hermetically sealed, 0.185 in. dia, 0.51 in. lg; mfd by 56289, part no. 150D685X9035B2	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		TRANSISTOR: Mfd by 07263, part no. S6143	
R1		RESISTOR, FIXED, COMPOSITION: 20 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF200J	
R2		RESISTOR, FIXED, COMPOSITION: 18 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF180J	
R3		RESISTOR, FIXED, COMPOSITION: 4,700 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF472J	
R4		RESISTOR, FIXED, COMPOSITION: 1,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF102J	
R5		RESISTOR, FIXED, COMPOSITION: 33 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF330J	
R6		RESISTOR, FIXED, COMPOSITION: 160 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC32GF161J	
R7		Same as R6	
R8		Same as R6	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
MODULE 4225000 or 7005000			
		TRANSFORMER ASSEMBLY: Contains 4 diodes, 2 resistors, and 3 transformers; mfd by 90536, part no. 4222610 or 7002610	
		Note: Module 4222610 has gold plated connector and module 7002610 has solder plated connector.	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07713, part no. 1N4086	
CR2 through CR4		Same as CR1	
R1		RESISTOR, FIXED COMPOSITION: 330 ohm, ±5 pct, 0.25 w MIL no. RC20GF331J	
R2		RESISTOR, FIXED, COMPOSITION: 120 ohm, ±5 pct, 0.25 w at +70 deg C(+158 def F); MIL-R-11; MIL no. RC07GF121J	
R3		Same as R2	
T1		TRANSFORMER, PULSE: 1:1:1:1 turns ratio; 0.31 by 0.625 by 0.625 in. over-all dim.; mfd by 90536, part no. 4057505-00	
T2		TRANSFORMER, PULSE: 1:1:1 turns ratio; 0.31 by 0.625 by 0.625 in. over-all dim.; mfd by 90536, part no. 4057504-00	
T3		Same as T2	
MODULE 4222620 or 7002620			
		TRANSFORMER ASSEMBLY: Contains 6 diodes, 3 resistors, and 3 transformers; mfd by 90536, part no. 4222620 or 7002620	
		Note: Module 4222620 has gold plated connector and module 7002620 has solder plated connector.	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07713, part no. 1N4086	
CR2 thru CR6		Same as CR1	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R1		RESISTOR, FIXED, COMPOSITION: 120 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF121J	
R2		Same as R1	
R3		Same as R1	
T1		TRANSFORMER, PULSE: 1:1:1 turns ratio; 0.31 by 0.625 by 0.625 in. over-all dim.; mfd by 90536, part no. 4057504-00	
T2		Same as T1	
T3		Same as T1	
MODULE 4222631 or 7002631			
		TRANSFORMER ASSEMBLY: Contains 3 diodes, and 3 transformers; mfd by 90536, part no. 4222630 or 7002630	
		Note: Module 4222630 has gold plated connector and module 7002630 has solder plated connector.	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07713, part no. 1N4086	
CR2		Same as CR1	
CR3		Same as CR1	
T1		TRANSFORMER, PULSE: 1:1 turns ratio; 0.31 by 0.625 by 0.625 in. over-all dim.; mfd by 90536, part no. 4057506-00	
T2		Same as T1	
T3		Same as T1	
MODULE 4222640 or 7002640			
		REGULATOR, VOLTAGE: 10 v; contains 2 transistors and 5 resistors; consists of 1 circuit, 1 input; operating power requirements +15 vdc; mfd by 90536, part no. 4222640 or 7002640	
		Note: Module 4222640 has gold plated connector and module 7002640 has solder plated connector.	
Q1		TRANSISTOR: Mfd by 01295, part no. GA322	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
Q2		Same as Q1	
R1		RESISTOR, FIXED, FILM: 270 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD271J	
R2		RESISTOR, FIXED, FILM: 100 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD101J	
R3		RESISTOR, VARIABLE: Wire wound; 500 ohm, ±10 pct, 0.8 w at +70 deg C(+158 deg F); mfd by 80294, part no. 236P-1-501	
R4		RESISTOR, FIXED, FILM: 330 ohm, ±2 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD331G	
R5		RESISTOR, FIXED, FILM: 680 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL20AD681J	
MODULE 4222650 or 7002650			
		SELECTOR, NORMAL CHANNEL: Mfd by 90536, part no. 4222650 or 7002650 Note: Module 4222650 has gold plated connector and module 7002650 has solder plated connector.	
MODULE 4222660 or 7002660			
		SELECTOR, INTERCOMPUTER CHANNEL: Mfd by 90536, part no. 4222660 or 7002660 Note: Module 4222660 has gold plated connector and module 7002660 has solder plated connector.	
MODULE 4222720 or 7002720			
		SELECTOR, NORMAL SPEED: Contains 1 resistor; consists of 1 circuit, 1 input; operating power requirements -4.5 vdc; mfd by 90536, part no. 4222720 or 7002720 Note: Module 4222720 has gold plated connector and module 7002720 has solder plated connector.	
R1		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
MODULE 4222740 or 7002740			
		CHARGER, LINE CAPACITANCE: Contains 3 capacitors, 2 diodes, 7 resistors, and 1 transformer; consists of 1 circuit, 1 input; operating power requirements -15 vdc and +15 vdc; mfd by 90536, part no. 4222740 or 7002740	
		Note: Module 4222740 has gold plated connector and module 7002740 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 50 vdc, 0.1 uf, ±20 pct; insulated body, 0.14 in. dia, 0.4 in. lg; mfd by 00656, part no. CR89W104AM	
C2		Same as C1	
C3		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 47 uuf, ±20 pct; insulated body, 0.09 in. dia, 0.318 in. lg; mfd by 00656, part no. MC80V470AM	
Q1		TRANSISTOR: Mfd by 07263, part no. S614S	
Q2		TRANSISTOR: Mfd by 04713, part no. SM15	
R1		RESISTOR, FIXED, FILM: 910 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL32AD911J	
R2		Same as R1	
R3		RESISTOR, FIXED, COMPOSITION: 12,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF123J	
R4		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R5		RESISTOR, FIXED, FILM: 560 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL32AD561J	
R6		RESISTOR, FIXED, COMPOSITION: 560 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF561J	
R7		RESISTOR, FIXED, COMPOSITION: 5,100 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF512J	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
T1		TRANSFORMER, PULSE: 100 kc, 0.5 usec w time, 1 mc repetition rate, 0.05 usec rise time; mfd by 90536, part no. 4027479-00	
MODULE 4222750 or 7002750			
		CHARGER, LINE CAPACITANCE: Contains 2 capacitors, 10 diodes, and 3 resistors; consists of 1 circuit, 1 input; operating power requirements +15 vdc; mfd by 90536, part no. 4222750 or 7002750 Note: Module 4222750 has gold plated connector and module 7002750 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 50 vdc, 0.1 uf, ±20 pct; insulated body, 0.14 in. dia, 0.4 in. lg; mfd by 00656, part no. CR89W104AM	
C2		Same as C1	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07263, part no. 1N3597	
CR2 thru CR10		Same as CR1 Same as CR1	
R1		RESISTOR, FIXED, COMPOSITION: 62,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF623J	
R2		RESISTOR, FIXED, FILM: 910 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL32AD911J	
R3		RESISTOR, FIXED, FILM: 750 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-22684; MIL no. RL32AD751J	
MODULE 4222760 or 7002760			
		OSCILLATOR, REAL TIME CLOCK: Tuning fork; contains 6 capacitors, 2 diodes, 5 transistors, and 14 resistors; consists of 1 circuit, 4 inputs; power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222760 or 7002760	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
		Note: Module 4222760 has gold plated connector and module 7002760 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, and 0.125 in. deep; mfd by 56289, part no. 31C31	
C2		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 15,000 uuf, ±20 pct; insulated body, 0.2 in. dia, 0.498 in. lg; mfd by 00656, part no. MV80V153AM	
C3		CAPACITOR, FIXED, ELECTROLYTIC: 20 vdc, 1 uf, ±20 pct, -80 deg C(-112 deg F) to +85 deg C(+185 deg F) operating temp range; metal case, insulated, hermetically sealed, 0.185 in. dia, 0.51 in. lg; mfd by 56289, part no. 150D105X0020A2	
C4		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 470 uuf, ±20 pct; insulated body, 0.09 in. dia, 0.318 in. lg; mfd by 00656, part no. MC80V471AM	
C5		Same as C3	
C6		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100 vdc, 20,000 uuf, ±20 pct; insulated body, 0.2 in. dia, 0.498 in. lg; mfd by 00656, part no. MC80V203AM	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07713, part no. 1N4086	
CR2		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
Q1		TRANSISTOR: Mfd by 04713, part no. SM15	
Q2		TRANSISTOR: Mfd by 01295, part no. GA323	
Q3		TRANSISTOR: Mfd by 01295, part no. GA322	
Q4		Same as Q3	
Q5		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 1,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF102J	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R2		RESISTOR, FIXED, COMPOSITION: 1,800 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF182J	
R3		RESISTOR, FIXED, COMPOSITION: 4,700 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF472J	
R4		RESISTOR, FIXED, COMPOSITION: 6,800 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF682J	
R5		RESISTOR, FIXED, COMPOSITION: 33,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF333J	
R6		RESISTOR, FIXED, COMPOSITION: 22,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF223J	
R7		RESISTOR, FIXED, COMPOSITION: 2,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF202J	
R8		RESISTOR, FIXED, COMPOSITION: 680,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF684J	
R9		RESISTOR, FIXED, COMPOSITION: 200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF201J	
R10		RESISTOR, FIXED, COMPOSITION: 1,500 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF152J	
R11		Same as R10	
R12		RESISTOR, FIXED, COMPOSITION: 5,600 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF562J	
R13		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF471J	
R14		Same as R13	
MODULE 4222770 or 7002770			
		RESONATOR ASSEMBLY, TUNING FORK: 1.024 kc; contains 1 tuning fork; mfd by 90536, part no. 4222770 or 7002770 Note: Module 4222770 has gold plated connector and module 7002770 has solder plated connector.	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
Y1		RESONATOR, TUNING FORK: Input +15 vdc, output +3 vdc rms into 50,000 ohm load; 1024 cps, ±0.01 pct; mfd by 03040, part no. TYPE 5T WITH MOUNTING "B"	
MODULE 4222851 or 7002851			
		AMPLIFIER, SENSE: Contains 1 capacitor, 4 diodes, 10 transistors, 22 resistors, and 2 transformers; consists of 2 separate circuits, 3 inputs each; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc, mfd by 90536, part no. 4222850 or 7002850 Note: Module 4222850 has gold plated connector and module 7002850 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, 0.125 in. deep; mfd by 56289, part no. 31C31	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 13715, part no. 1N3064	
CR2		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07713, part no. 1N4086	
CR3		Same as CR1	
CR4		Same as CR2	
Q1		TRANSISTOR: Mfd by 01295, part no. SM4195	
Q2		TRANSISTOR: Mfd by 04713, part no. SM465	
Q3		Same as Q2	
Q4		TRANSISTOR: Mfd by 04713, part no. SM15	
Q5		Same as Q2	
Q6		Same as Q1	
Q7		Same as Q2	
Q8		Same as Q2	
Q9		Same as Q4	
Q10		Same as Q2	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R1		RESISTOR, FIXED, FILM: 5,620 ohm, ±1 pct, 0.1 w at +70 deg C(+158 deg F); MIL-R-10509; MIL no. RN55B5621F	
R2		RESISTOR, FIXED, COMPOSITION: 4,700 ohm, ±5 pct, 1/8 w at +70 deg C(+158 deg F); mfd by 01121, part no. BB472,5	
R3		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 1/8 w at +70 deg C(+158 deg F); mfd by 01121, part no. BB471,5	
R4		RESISTOR, FIXED, FILM: 10,000 ohm, ±1 pct, 0.1 w at +70 deg C(+158 deg F); MIL-R-10509; MIL no. RN55B1002F	
R5		RESISTOR, FIXED, COMPOSITION: 22,000 ohm, ±5 pct, 1/8 w at +70 deg C(+158 deg F); mfd by 01121, part no. BB223,5	
R6		Same as R3	
R7		Same as R4	
R8		Same as R1	
R9		RESISTOR, FIXED, COMPOSITION: 33,000 ohm, ±5 pct, 1/8 w at +70 deg C(+158 deg F); mfd by 01121, part no. BB473,5	
R10		RESISTOR, FIXED, COMPOSITION: 240,000 ohm, ±5 pct, 1/8 w at +70 deg C(+158 deg F); mfd by 01121, part no. BB244,5	
R11		RESISTOR, FIXED, COMPOSITION: 6,200 ohm, ±5 pct, 1/8 w at +70 deg C(+158 deg F); mfd by 01121, part no. BB622,5	
R12		Same as R1	
R13		Same as R10	
R14		Same as R2	
R15		Same as R3	
R16		Same as R4	
R17		Same as R5	
R18		Same as R4	
R19		Same as R1	
R20		Same as R9	
R21		Same as R11	
R22		Same as R3	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
T1		TRANSFORMER, PULSE: 50 mv, 500 nsec time, 100 kc repetitive rate, 40 nsec rise time; mfd by 90536, part no. 7005657	
T2		Same as T1	
MODULE 4222880 or 7002880			
		SENSOR, VOLTAGE: Contains 1 capacitor, 4 diodes, 3 transistors, and 10 resistors; consists of 1 circuit; operating power requirements -4.5 vdc, -15 vdc, +15 vdc; mfd by 90536, part no. 4222880 or 7002880 Note: Module 4222880 has gold plated connector and module 7002880 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, and 0.125 in. deep; mfd by 56289, part no. 31C31	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 04713, part no. 1N753A	
CR2		SEMICONDUCTOR DEVICE, DIODE: Mfd by 94990, part no. 1N963B	
CR3		Same as CR2	
CR4		SEMICONDUCTOR DEVICE, DIODE: Mfd by 04713, part no. 1N758A	
Q1		TRANSISTOR: Mfd by 01295, part no. GA323	
Q2		Same as Q1	
Q3		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 560 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF561J	
R2		RESISTOR, FIXED, COMPOSITION: 2,700 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF272J	
R3		RESISTOR, VARIABLE: Wire wound; 1,000 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); mfd by 80294, part no. 224P-1-102	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
R4		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 0.25 w at +70 deg C(+159 deg F); MIL-R-11; MIL no. RC07GF471J	
R5		RESISTOR, FIXED, COMPOSITION: 1,800 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF182J	
R6		RESISTOR, FIXED, COMPOSITION: 39,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF393J	
R7		RESISTOR, FIXED, COMPOSITION: 100 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF101J	
R8		Same as R3	
R9		Same as R2	
R10		RESISTOR, FIXED, COMPOSITION: 330 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF331J	
MODULE 4222890 or 7002890			
		SENSOR, VOLTAGE: Contains 1 capacitor, 6 diodes, 4 transistors, and 12 resistors; consists of 1 circuit; operating power requirements -4.5 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4222890 or 7002890 Note: Module 4222890 has gold plated connector and module 7002890 has solder plated connector.	
C1		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 25 vdc, 3 section, 0.005 uf each section, +100 pct, -10 pct; insulated body, 0.5 in. wide, 0.2 in. high, and 0.125 in. deep; mfd by 56289, part no. 31C31	
CR1		SEMICONDUCTOR DEVICE, DIODE: Mfd by 94990, part no. 1N970	
CR2		SEMICONDUCTOR DEVICE, DIODE: Mfd by 98925, part no. 1N3592	
CR3		SEMICONDUCTOR DEVICE, DIODE: Mfd by 07713, part no. 1N4086	
CR4		Same as CR3	
CR5		Same as CR3	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B/USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
CR6		SEMICONDUCTOR DEVICE, DIODE: Mfd by 04713, part no. 1N753A	
Q1		TRANSISTOR: Mfd by 01295, part no. GA323	
Q2		TRANSISTOR: Mfd by 01295, part no. GA322	
Q3		Same as Q1	
Q4		Same as Q1	
R1		RESISTOR, FIXED, COMPOSITION: 1,800 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF182J	
R2		RESISTOR, FIXED, COMPOSITION: 8,200 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF822J	
R3		Same as R1	
R4		RESISTOR, FIXED, COMPOSITION: 1,500 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF152J	
R5		RESISTOR, FIXED, COMPOSITION: 470 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC32GF471J	
R6		RESISTOR, FIXED, COMPOSITION: 39,000 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF393J	
R7		Same as R1	
R8		RESISTOR, FIXED, COMPOSITION: 1,500 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF152J	
R9		RESISTOR, FIXED, COMPOSITION: 560 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF561J	
R10		RESISTOR, FIXED, COMPOSITION: 100 ohm, ±5 pct, 0.5 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC20GF101J	
R11		RESISTOR, VARIABLE: Wire wound; 2,000 ohm, ±5 pct, 1 w at +70 deg C(+158 deg F); linear taper; mfd by 80294, part no. 224P-1-202	
R12		RESISTOR, FIXED, COMPOSITION: 2,700 ohm, ±5 pct, 0.25 w at +70 deg C(+158 deg F); MIL-R-11; MIL no. RC07GF272J	

TABLE 7-2. DIGITAL DATA COMPUTER, CP-642B?USQ-20(V). MODULE PARTS LIST

REFERENCE DESIGNATION	NOTES	NAME AND DESCRIPTION	LOCATING FUNCTION
MODULE 4223180 or 7003180			
		CAPACITOR ASSEMBLY: Contains 3 capacitors; consists of 1 circuit, 3 inputs; operating power requirements -3 vdc, -15 vdc, and +15 vdc; mfd by 90536, part no. 4223180 or 7003180	
		Note: Module 4223180 has gold plated connector and module 7003180 has solder plated connector.	
C1		CAPACITOR, FIXED, ELECTROLYTIC: 25 vdc, 40 uf, -15 pct, +75 pct; -55 deg C(-67 deg F) to +85 deg C(+185 deg F) operating temp range; metal case, 0.297 in. dia, 0.937 in. lg; MIL-C-3965; MIL no. CL25BG400UP3	
C2		Same as C1	
C3		Same as C1	
MODULE 7105030			
		CAPACITOR ASSEMBLY: Contains 3 capacitors; consists of 1 circuit, 3 inputs; mfd by 90536, part no. 7105030	
C1		CAPACITOR, FIXED, ELECTROLYTIC: 35 vdc, 6.8 uf, ±10 pct, MIL-C-26655; MIL no. CS13BF685K	
C2		Same as C1	
C3		Same as C1	

TABLE 7-3. DIGITAL DATA COMPUTER CP-642B/USQ-20(V) LIST OF MANUFACTURERS

VENDOR CODE	NAME	ADDRESS
00656	Aerovox Corp.	New Bedford, Mass.
01121	Allen-Bradley Co.	Milwaukee, Wisc.
01295	Texas Instruments, Inc., Semiconductor-Components Division	Dallas, Tex.
02660	Amphenol-Borg Electronics Corp.	Broadview (Chicago), Ill.
02735	Radio Corp. of America, Commercial Receiving Tube and Semiconductor Division	Somerville, N. J.
03040	American Time Products Inc.	New York, N. Y.
04713	Motorola, Inc.,Semiconductor Products Division	Phoenix, Ariz.
05277	Westinghouse Electric Corp., Semiconductor Department	Youngwood, Pa.
06961	Piezoelectric Division of Clevite Corp.	Bedford, Ohio
07115	Corning Glass Works, Electronic Components Department	Bradford, Pa.
07137	Transistor Electronics Corp.	Minneapolis, Minn.
07263	Fairchild Camera and Instrument Corp., Semiconductor Division	Mountain View, Calif.
07341	Sylvania Electric Products Inc., Data Systems Operations of Sylvania Electronic Systems	Needham, Mass.
07713	Sperry Semiconductor Division of Sperry Rand Corp.	Norwalk, Conn.
07910	Continental Device Corp.	Hawthorne, Calif.
09922	Burndy Corp., Omation Division	Norwalk, Conn.
13606	Sprague Electric Co., Transistor Division	Concord, N. H.
13715	Fairchild Camera and Instrument Corp., Semiconductor Division	San Rafael, Calif.

TABLE 7-3. DIGITAL DATA COMPUTER CP-642B/USQ-20(V) LIST OF MANUFACTURERS (CONT.)

VENDOR CODE	NAME	ADDRESS
14674	Corning Glass Works	Corning, N.Y.
15605	Cutler-Hammer, Inc	Milwaukee, Wisc.
26655	Oyster Tool & Die Corp.	Cicero, Ill.
27780	Haydon Division of General Time Corp. . . .	Torrington, Conn.
40931	Minneapolis-Honeywell Regulator Co.	Minneapolis, Minn.
55719	Snap-On Tools Corp.	Kenosha, Wisc.
56289	Sprague Electric Co.	North Adams, Mass.
70309	Allied Control Co., Inc.	New York, N. Y.
70674	ADC Products, Division of Magnetic Controls Co.	Minneapolis, Minn.
71400	Bussmann Mfg. Division of McGraw-Edison Co.	St. Louis, Mo.
71468	ITT, Cannon Electric Inc.	Los Angeles, Calif.
72136	Electro Motive Mfg. Co.	Willimantic, Conn.
72619	Dialight Corp.	Brooklyn, N. Y.
73168	Fenwal, Inc.	Ashland, Mass.
75915	Littelfuse, Inc.	Des Plaines, Ill.
79727	Continental-Wirt Electronics Corp.	Philadelphia, Pa.
80023	Schott, Oscar A.	Minneapolis, Minn.
80183	Sprague Products Co.	North Adams, Mass.
80252	Sperti Faraday, Inc.	Adrian, Mich.
80294	Bourns Laboratories Inc.	Riverside, Calif.
81312	Winchester Electronic Co., Inc.	Norwalk, Conn.
82877	Rotron Mfg. Co., Inc.	Woodstock, N. Y.
83332	Tech Laboratories	Palisades Park, N. Y.
90536	UNIVAC, Division of Sperry Rand Corp. . . .	St. Paul, Minn.

TABLE 7-3. DIGITAL DATA COMPUTER CP-642B/USQ-20(V) LIST OF MANUFACTURERS (CONT.)

VENDOR CODE	NAME	ADDRESS
91637	Dale Electronic, Inc.	Columbus, Nebr.
91929	Minneapolis-Honeywell Regulator Co., Micro Switch Division	Freeport, Ill.
93332	Sylvania Electric Products, Inc., Semiconductor Division	Woburn, Mass.
94875	Electro Tec Corp.	West Caldwell, N.J.
94990	Motorola, Inc., Western Center Military Electronic Division	Scottsdale, Ariz.
96791	Borg Equipment Division of Amphenol-Borg Electronic Corp.	Janesville, Wisc.
98350	American Gyro Division of Tamar Electronic Inc.	Los Angeles, Calif.
98925	Semiconductor Division of Clevite Corp. . . .	Waltham, Mass.
99800	Delvean Electronic Corp.	East Aurora, N.Y.
99942	Hoffman Electronic Corp., Semiconductor Division	El Monte, Calif.
HANSEN	The Hansen Mfg. Co.	Cleveland, Ohio