INSPECTION REQUIREMENTS

RELAYS—U AND UA TYPE(S)

GENERAL EQUIPMENT REQUIREMENTS

COMMON SYSTEMS

TABLE 800-668-197

Lot Range		A	B	C	D	E	F	G	H	I	J	K
Lot Size (total number of relays in lot)		1 100	101 300	301 600	601 1000	1001 2000	2001 3000	3001 5000	5001 10000	10001 20000	20001 50000	50001 100000
Sample Size (relays)(see note 4)		All	90	165	245	325	385	455	520	650	710	770
Inspection Item (see note 1) — For requirements, refer to Section 040-518-701 and sections of Division 800.)	Basis for Count- ing De- fects	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN
						Allowable Defect Numbers						
1. Functional, Numerical, and Group Designations (on relays and on covers)	Relay	Record all Defects Found see Note 2										
2. Relay Mounting	"	0	0	1	2	3	4	5	6	8	9	10
3. Vertical Clearance Between Relays	"	0	0	1	2	3	4	5	6	8	9	10
4. Cover Spring and Cover Guide Pressure and Cover Cap Tight- ness	"	0	1	2	4	6	7	9	10	13	15	17
5. Contact Alignment	"	0	0	1	2	3	4	5	6	8	9	10
6. Spring Tang Position	"	0	0	1	2	3	4	5	6	8	9	10
7. Adjusting Stud Clear- ance	"	0	0	1	2	3	4	5	6	8	9	10
8. Adjusting Nut or Lock- nut Tightness	"	0	0	1	2	3	4	5	6	8	9	10
9. Armature Position	"	0	0	1	2	3	4	5	6	8	9	10
10. Armature Travel	"	0	0	1	2	3	4	5	6	8	9	10
11. Spring Tension:(a,b, c1,d) Individual Contact Springs	"	0	0	1	2	3	4	5	6	8	9	10
12. Buffer Spring Tension and Position	"	0	0	1	2	3	4	5	6	8	9	10
13. Armature Back Tension	"	0	0	1	2	3	4	5	6	8	9	10
14. Spring Stud Clearance	"	0	0	1	2	3	4	5	6	8	9	10
15. Separation Between Springs	"	0	0	1	2	3	4	5	6	8	9	10
16. Stud Gap	"	0	0	1	2	3	4	5	6	8	9	10
17. Contact Make: Normal and Operated Position	"	0	0	1	2	3	4	5	6	8	9	10
18. Contact Gauging Re- quirements SI	"	0	2	4	6	8	10	13	15	19	21	23
19. Contact Separation	"	0	0	1	2	3	4	5	6	8	9	10
20. Contact Sequence	"	0	0	1	2	3	4	5	6	8	9	10
21. Electrical Require- ments	"	0	1	2	4	6	7	9	10	13	15	17

TABLE 800-668-197 (Cont)

Lot Range			A	B	C	D	E	F	G	H	I	J	K
Lot Size (total number of relays in lot)			1 100	101 300	301 600	601 1000	1001 2000	2001 3000	3001 5000	5001 10000	10001 20000	20001 50000	50001 100000
Sample Size (relays)(see note 4)			All	90	165	245	325	385	455	520	650	710	770
Inspection Item (see note 1) For requirements, refer to Section 040-518-701 and sections of Division 800.)		Basis for Counting Defects	Allowable Defect Numbers										
			AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN
22. Pulse Repeating Requirement		Relay	See Note 3										
23. Relay Insulated From Mounting Plate		"	0	0	1	2	3	4	5	6	8	9	10
AN = Allowable Number of defects in sample.													

SPOTTINESS TABLE

Size of Subsample	3 25	26 70	71 125	126 175	176 200	201 250	251 300	301 350	351 400	401 450	451 500	501 550	551 600	601 650	651 700	701 750	751 800	801 850	851 900	901 950	951 1000
SN	2	3	4	6	7	8	10	11	12	13	14	16	17	19	20	22	23	24	25	26	28
SN = Spottiness Number (applying to subsample)																					

Note 1: Except for relays mounted and wired during installation, inspection for this type of relay may be limited to the item designated by SI (Selected Item). Extension of inspection to the remaining items for lots in lot range A shall be made when one or more defects are found in the selected item. Extension of inspection to the remaining items in ranges B through K shall be made when the AN is exceeded for the selected item.

Note 2: For each type of defect recorded, sufficient additional inspection shall be made to insure elimination of the irregularity in the equipment involved.

Note 3: Where pulse repeating requirements are applied, a complete check shall be made in all cases either as a part of the verification or of the testing procedures.

Note 4: In community dial office, PBXs, and other offices where the test specified for the line circuit relays (U and UA) in the performance requirements section is applied, verification of these relays may be omitted as a part of the inspection procedure.

For detailed explanation and use of tables, refer to Section 800-668-180.

REASONS FOR REISSUE

To reduce the sample size requirements based on the process average quality of the manufactured product and to reduce the number of selected items requiring installer inspection.