

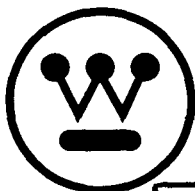
INSTALLATION • OPERATION • MAINTENANCE INSTRUCTIONS

RELAY INSTRUCTION LEAFLETS INDEX 41 - 000 BY NUMBER

I.L. # 41 -	RELAY TYPE	DATE	NO. OF PAGES	I.L. # 41 -	RELAY TYPE	DATE	NO. OF PAGES
000.1	SOLID STATE SYMBOLS	2-71	8	342.1	LC-1/LC-2	5-75	16
076	FT CASE	2-65	10	347.1	HU/HU-1	1-76	24
100	CO RELAYS - HI LO	12-76	24	347.11	HU/HU-1/HU-4	3-76	2
101	CO RELAYS	7-76	20	347.3	HRU	2-75	12
102	COM	5-68	24	348.1	SA-1	3-72	16
103	CO (CIRCUIT OPENING)	6-76	20	489	SDB	11-71	22
106	CO-4 (STEP TIME)	10-75	12	489-1	SDBU-1	12-70	24
110	SCO	3-77	34	489-2	SDBU-2	1-73	28
112	COD	5-71	8	490	KD-10/KD-11	10-75	48
112.1	COD (0.5-2 AND 1-4 AMP)	6-60	8	491.4	KD/KD-4 (.75-20 ohms)	8-75	36
116	COV	2-75	20	492	KS	8-75	20
131	CR-CRC-CRP-CRD	2-76	28	492.1	KS (.51-30 OHMS)	7-76	20
133	IRP-IRC-IRD	1-76	32	492.2	SKSU	12-74	26
133.2	IRQ	11-69	28	492.5	KST	8-75	20
133.3	IRV	6-75	24	493.1	TEST UNIT FOR K-DAR	3-77	20
137	KRP-KRC-KRD	11-74	16	495.1	SKDU, SKDU-1	3-75	36
137.2	KRV	2-73	12	495.11	SDU-1	9-74	24
137.3	KRD-4	2-75	12	495.2	SKDU-3	3-76	26
137.4	SRGU	11-75	16	495.31	SKDU-31	6-76	34
138	KH-2	2-75	8	495.5	SKD/SP/SP-1	3-75	46
138.1	KH-1	3-72	8	496	KDXG	12-75	24
151.1	D-3	1-76	8	496.4	SDGU-1, 2, 3, 4, 5, 6, 7	7-76	56
161	COQ	4-73	12	496.5	SDG-1, 2, 3, 4, 5	10-76	62
162.2	POQ	10-74	8	496.51	SDG-1T & SDG-2T	7-76	4
163.2	CRQ	1-77	28	496.52	SDG-4T	7-76	2
164	KRQ	2-73	16	497	KRT	2-77	16
164.1	SRQU	10-69	26	497.2	KDTG	5-75	16
177	SCC	9-66	12	498	KD-3	8-70	28
181.2	CM	1-76	12	498.11	KD-4	1-76	28
201	CV	4-73	20	498.12	KD-5	3-72	44
201.2	CV (FREQ. COMPENSATED)	2-76	16	499.1	SD-2	9-76	20
222.2	CP	1-75	8	501.2	CF-1	3-76	8
222.4	KP	10-69	8	503	KF	5-75	12
223	CVO	1-77	12	504.1	SDF-1	8-75	26
226.2	H-3, HV-3	2-66	16	551.2	CT	3-69	8
241.2	CW	5-67	8	552.1	DT-3	3-77	12
241.3	CW	5-76	8	553.1	BL-1	1-76	16
241.4	CWD	1-75	8	573	TD-2	7-67	4
242.2	CWC/CWP	10-75	16	574.1	TK	3-75	12
242.5	CWP-1	11-67	10	576	TG-1	2-64	4
251.2	CRN-1	1-77	12	579	TD-4	4-73	12
331.2	CA (GENERATOR)	2-75	12	579.1	TD-5	6-74	18
332.2	CA (TRANSFORMER)	6-75	12	579.2	TD-50	10-74	12
337.3	CA-26/CA-16	11-75	12	579.3	TD-52	12-76	12
337.4	KAB	10-76	16	661	RC	6-74	16

RELAY INSTRUCTION LEAFLET (NUMERICAL) INDEX 41-000D

I.L. # 41 -	RELAY TYPE	DATE	NO. OF PAGES	I.L. # 41 -	RELAY TYPE	DATE	NO. OF PAGES
662.1	SGR-1	9-57	8	945.14	TCF (XMTR 1W/10W)	3-75	20
663.2	SGR-12	9-73	8	945.15	TCF (XMTR 10W/10W)	5-73	22
666	RCD	11-75	12	945.16	TCF-3 FREQ. W/VOICE	1-76	22
667.2	DRC	11-75	20	945.2	TCF (XMTR 1W/1W) VOLT KEY	8-69	10
668.1	SGR-51	11-75	12	945.21	TCF (XMTR 1W/1W) VLT. KEY. TEL	5-73	16
668.12	SGR-52	2-76	16	945.31	TCF (XMTR 1W/1W) CONT. KEY	5-73	18
668.21	SRGU-52	11-75	12	945.41	TCF (XMTR 10W) SUPV. CTRL.	5-73	14
670	SRCU-2	4-74	56	945.51	TCF (RCVR.)	1-76	40
681.1	CVE/CVE-1	8-75	16	945.52	TCF (RCVR) VOLT. OUT.- TELEM.	10-73	25
741	JM	8-68	4	945.53	TCF (RCV) CONT. OUT.- TELEM.	10-73	26
742	JL	11-70	4	945.54	TCF (RCVR) FOR SUPV. CTRL.	10-70	26
747	DGF	2-77	8	945.55	TCF (RCVR) PHASE COMP. RELY.	4-76	26
748	KLF	1-77	24	945.56	TCF (RCVR) FOR STU-UNBLK	10-74	58
748.1	KLF-1	1-77	24	945.57	TCF-10 (RCVR)	7-76	30
751	SG	8-76	8	945.6	TCF VOICE ADAPTER	5-74	24
751.1	SG (FT-11 AND 22 CASES)	10-65	4	947.3	JZ-72.6 LINE TUNER	4-74	24
753.1	MG-6	9-75	12	948.11	HI-COUPLER	5-77	20
758	TR-1	7-76	4	948.5	HYBRIDS	11-75	8
758.1	TR-1	7-76	8	949.1	JZ-71.6 LINE TUNER	10-73	16
759	AR	10-76	16	949.21	JZ-72.36 LINE TUNER	12-71	24
759.2	ARS	2-73	24	953	TT-1	11-62	2
759.3	AR (HIGH THRESHOLD DESIGN)	3-76	12	954	SKB, SKB-1	2-73	24
766.1	SC/SC-1/SV/SV-1	2-73	12	954.1	SKBU FOR TC CARRIER	7-74	28
766.4	SVF/SVF-1/SVF-3/SVF-31	1-77	12	954.2	SKBU FOR TA-2 TONES	3-71	32
771	ITH	5-75	8	954.3	SKBU-1 & SKBU-11 FOR TC	2-73	48
776.1	KC-4	2-76	16	954.5	SKBU-2, 21	1-76	56
776.2	KC-2	1-77	12	955.1	SPCU-1	1-77	96
776.4	SBFU	8-74	36	958	TT-8	4-65	6
777	SI/SI-1	9-71	16	958.5	TT-17	2-77	8
777.1	SIU	9-75	20	958.6	TT-21	3-72	6
777.2	SIU-FREQ. COMPENSATED	7-75	28	958.8	TT-16	9-67	8
777.3	SI-T	5-76	14	958.91	TT-12 UNIVERSAL CHANNEL	11-76	16
841	TRB/TRB-1	9-76	4	959.1	TT-9	10-74	8
842	TRB ZENER TRIP UNIT	12-71	4	959.3	STU-91. 92	2-76	50
846.1	SRU	9-73	8	959.41	STU FOR WEAK-FEED TERM.	6-76	60
850	FUNCTIONAL TEST UNIT	2-75	30	959.42	STU WITH O/C SUPERVISION	2-76	50
856	DC/AC INVERTER	4-70	2	959.43	STU FOR E/M DISTANCE RELAY	11-73	62
923.1	KA-1	9-70	20	959.5	STU-93 & 94	12-72	62
923.4	KA-4	2-73	12	959.7	STU-12	10-71	64
923.9	SKAU-3	4-74	38	959.71	STU-12 FOR WEAK-FEED TER.	3-76	56
928.1	KQS	11-76	8	959.72	STU-12 WITH O/C SUPERVISION	2-77	50
931	KO-1	5-76	8	959.73	STU-12 FOR E.M. DIST. RELAYS	11-75	48
932	KO-3	10-74	8	962.2	SX	5-76	8
933.1	KV-1 (OVERVOLTAGE)	10-72	8	963	TA-1 TONE	10-67	30
933.3	KV-1 (UNDervOLTAGE)	11-70	8	963.1	TA-2 TONE	10-69	18
934	SKVU	5-71	16	963.2	TA-3 TONE	3-75	36
941.1	KR-CARRIER	9-76	42	963.22	TA-22 TONE	3-73	36
942.11	KR V/ADAPT. (SINGLE PRONG)	6-76	16	963.3	TA-1 TONE WITH DC/DC CONV.	3-71	26
944.32	TC FOR SOLID STATE SYSTEM	6-76	30	965	DIT AND DIT-1 TONES	11-76	---
944.33	TC - DIR. AND PHASE COMP.	3-77	30	964	DIT-4 TONES	3-76	62
944.34	TC - NARROW BAND	7-75	30	971.2	HCB	1-77	24
944.41	TC-VOICE ADAP. (SINGLE PRNG)	5-73	12	971.3	HCB-1	1-77	26
944.5	TCU CONTROL UNIT	2-73	20	971.4	PILOT WIRE INSULATION	4-76	8
944.6	RESERVE SIGNAL DETECTOR	5-72	4	973.5	PM LINE	3-76	28
944.7	TCT TEST METER UNIT	5-76	8				
945.12	TCF-3 FREQ. (10W/1W/10W)	6-76	22				
945.13	TCF (XMTR 1W/10W) KEYED & VOICE	3-74	2				



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RELAY INSTRUCTION LEAFLETS INDEX 41 – 000 ALPHABETICAL

RELAY TYPE	I.L. # 41 –	DATE	NO. OF PAGES	RELAY TYPE	I.L. # 41 –	DATE	NO. OF PAGES
AR	759	9-72	12	HI-LO CO	100	6-74	20
AR (HIGH THRESHOLD DESIGN)	759.3	3-76	12	HRU	347.3	2-75	12
ARS	759.2	2-73	24	HU/HU-1	347.1	1-76	24
BL-1	553.1	1-76	16	HU/HU-1/HU-4	347.11	3-76	2
CA (GENERATOR)	331.2	2-75	12	HYBRIDS	948.5	11-75	8
CA (TRANSFORMER)	332.2	6-75	12	IRP-IRC-IRD	133	1-76	32
CA-26/CA-16	337.3	11-75	12	IRQ	13.2	11-69	28
CF-1	501.2	3-76	8	IRV	133.3	6-75	24
CM	181.2	1-76	12	ITH	771	5-75	8
CO LINE	101	7-76	20	JL	742	11-70	4
CO (CIRCUIT OPENING)	103	6-76	20	JM	741	8-68	4
CO-4 (STEP TIME)	106	10-75	12	JZ-71.6 LINE TUNER	949.1	10-73	16
CO (HI LO)	100	12-76	24	JZ-72.36 LINE TUNER	949.21	12-71	24
COD	112	5-71	8	JZ-72.6 LINE TUNER	947.3	4-74	24
COD (0.5-2 AND 1-4 AMP)	112.1	6-60	8	K-DAR	911	12-71	8
COM	102	5-68	24	KA-1	923.1	9-70	20
COQ	161	4-73	12	KA-4	923.4	2-73	12
COV	116	2-75	20	KAB	337.4	10-76	16
CP	222.2	1-75	8	KC-2	776-2	1-77	12
CR-CRC-CRP-CRD	131	2-76	28	KC-4	776.1	2-76	16
CRN-1	251.2	1-77	12	KD-3	498	8-70	28
CRQ	163.2	1-77	28	KD-4 (.2-4.35 OHMS)	498.11	1-76	28
CT	551.2	3-69	8	KD-5	498.12	3-72	44
CV	201	4-73	20	KD/KD-4 (.75-20 OHMS)	491.4	8-75	36
CV (FREQ. COMPENSATED)	201.2	2-76	16	KD-10/KD-11	490	10-75	48
CVE/CVE-1	681.1	8-75	16	KDTG	497.2	5-75	16
CVQ	223	1-77	12	KDXG	496	12-75	24
CW	241.2	5-67	8	KF	503	5-75	12
CW	241.3	5-76	8	KH-1	138.1	3-72	8
CWD	241.4	1-75	8	KH-2	138	2-75	12
CWP/CWC	242.4	10-75	16	KLF	748	1-77	24
CWP-1	242.5	11-67	10	KLF-1	748.1	1-77	24
D-3	151.1	6-69	8	KO-1	931	11-70	10
DC/AC INVERTER	856	4-70	2	KO-3	932	10-74	8
DIT AND DIT-1 TONES	965	11-76	----	KP	222.4	10-69	8
DIT-4 TONES	964	3-76	62	KQS	928.1	11-76	8
DGF	747	2-77	8	KR-CARRIER	941.1	3-74	42
DRC	667.2	11-75	20	KR/V/ADAPT (SINGLE PRONG)	942.11	6-76	16
DT-3	552.1	9-75	12	KRD-4	137.3	2-75	12
FT CASES	076	2-65	10	KRP-KRC-KRD	137	11-74	16
FUNCTIONAL TEST UNIT	850	2-75	30	KRQ	164	2-73	16
H-3, HV-3	226.2	2-66	16	KRT	497	2-77	16
HCB	971.2	1-77	24	KRV	137.2	6-73	12
HCB-1	971.3	1-77	26	KS (.75-20 OHMS)	492	8-75	20
HI-COUPLER	948.11	5-77	20	KS (.51-30 OHMS)	492.1	6-73	20

RELAY INSTRUCTION LEAFLET (ALPHABETICAL) INDEX 41-0000

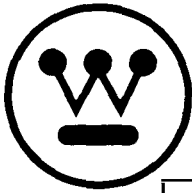
RELAY TYPE	I.L. # 41 -	DATE	NO. OF PAGES	RELAY TYPE	I.L. # 41 -	DATE	NO. OF PAGES
KST	492.5	8-75	20	STU FOR WEAK-FEED TER.	959.41	6-76	60
KV-1 (UNDervOLTAGE)	933.3	11-70	8	STU WITH O/C SUPERVISION	959.42	2-77	50
KV-1 (OVERVOLTAGE)	933.1	10-72	6	STU FOR E.M. DIST. RELAYS	959.43	11-73	62
LC-1/LC-2	342.1	5-75	16	STU-12	959.7	10-71	64
MG-6	753.1	9-75	12	STU-12 FOR WEAK-FEED TER.	959.71	3-76	56
PILOT WIRE INSULATION	971.4	4-76	8	STU WITH O/C SUPERV.	959.72	4-74	50
PM LINE	973.5	3-76	28	STU-12 FOR E.M. DIST. RELAYS	959.73	11-75	48
POQ	162.2	10-74	8	STU-91, 92	959.3	2-76	50
RC	661	6-74	16	STU-93, 94	959.5	12-72	62
RCD	666	11-75	12	SVF/SVF-1/SVF-3/SVF-31	766.4	1-77	12
RESERVE SIGNAL DETECTOR	944.6	5-72	4	SX	962.2	5-76	8
SA-1	348.1	3-72	16	TA-1 TONE	963	10-67	30
SBFU	776.4	8-74	36	TA-1 TONE WITH DC/AC CONV.	963.3	3-71	26
SC/SC-1/SV/SV-1	766.1	2-73	12	TA-2 TONE	963.1	10-69	18
SCO	110	3-77	34	TA-2.2 TONE	963.2	3-73	36
SD-2	499.1	9-76	20	TA-3 TONE	963.3	3-75	36
SDB	489	11-71	22	TC FOR DIR. AND PHASE COMP.	944.33	3-77	30
SDBU-1	489.1	12-70	24	TC FOR S.S. RELAY SYSTEMS	944.32	6-76	30
SDBU-2	489.2	1-73	8	TC CARRIER - NARROW BAND	944.34	7-75	30
SDF-1	504.1	8-75	26	TC-V/ADAPT (SINGLE PRONG)	944.41	2-73	12
SDG-1, 2, 3, 4, 5	496.5	10-76	60	TCF (XMTR 1W/10W)	945.14	3-75	20
SDG-IT & SDG-2T	496.51	7-76	4	TCF (XMTR 10W/10W)	945.15	5-73	22
SDG-4T	496.52	7-76	2	TCF (RCVR) COUNT. OUT. TELM.	945.53	10-73	26
SDGU-1, 2, 3, 4, 5, 6, 7	496.4	7-76	54	TCF (RCVR) FOR STU-UNBLK	945.56	10-74	58
SDU-1	495.11	9-74	24	TCF (RCVR) FOR SUPV. CNTRL.	945.54	10-70	14
SG	751	8-76	8	TCF (RCVR) PHASE COMP. REL.	945.55	4-76	26
SG (FT11 AND 22 CASES)	751.1	10-65	4	TCF (RCVR) VOLT OUT. TELM.	945.52	10-73	25
SGR-1	662.1	9-57	8	TCF (RECVR.)	945.51	1-76	40
SGR-12	663.2	9-73	8	TCF (3 FREQ. 10W/1W/10W)	945.12	6-76	22
SGR-51	668.1	11-75	12	TCF (3 FREQ. -W/VOICE)	945.6	5-74	20
SGR-52	668.12	2-76	16	TCF (XMTR 1W/1W) CONT. KEY	945.31	5-73	18
SGRU-52	668.21	11-75	12	TCF (XMTR 1W/1W) VOLT KEY	945.2	8-69	10
SI/SI-1	777	9-71	16	TCF XMTR 1W/10W KEY & VOICE	945.13	3-74	22
SI-T	777.3	5-76	14	TCF1-10 (RCVR)	945.57	7-76	30
SIU	777.1	9-75	20	TCF (XMTR 10W) SUPV. CTRL.	945.41	5-73	14
SIU (FREQUENCY COMPENSATED)	777.2	7-75	28	TCT TEST METER UNIT	944.7	5-76	8
SKAU-3	923.9	4-74	38	TD-2	573	7-67	4
SKB, SKB-1	954	2-73	24	TD-4	579	4-73	12
SKBU FOR TA-2 TONES	954.2	3-71	32	TD-5	579.1	6-74	8
SKBU FOR TC CARRIER	954.1	7-74	28	TD-50	579.2	10-74	12
SKUB-1 & 11 FOR TC CARRIER	954.3	2-73	48	TD-52	579.3	12-76	12
SKBU-2, 21	954.5	1-76	56	TEST UNIT FOR K-DAR	493.1	3-77	20
SKD/SP/SP-1	495.5	3-75	46	TG-1	576	2-64	4
SKDU, SKDU-1	495.1	3-75	36	TK	574.1	3-75	12
SKDU-3	495.2	3-76	26	TR-1	758.1	7-76	4
SKDU-31	495.31	6-76	34	TR-1	758	7-76	8
SKSU	492.2	12-74	26	TRB ZENER TRIPPING UNIT	842	12-71	4
SKVU	934	5-71	16	TRB/TRB-1	841	9-76	4
SOLID STATE SYMBOLS	000.1	2-71	6	TT-1	953	11-62	2
SPCU-1	955.1	1-77	96	TT-12 UNIVERSAL CHANNEL	958.91	11-76	16
SRGU	137.4	11-75	16	TT-16	958.8	9-67	8
SRCU-2	670	4-74	56	TT-17	958.5	2-77	8
SRQU	164.1	10-69	26	TT-21	958.6	3-72	6
SRU	846.1	9-73	8	TT-8	958	4-65	6
				TT-9	959.1	10-74	8

**INSTALLATION • OPERATION • MAINTENANCE
I N S T R U C T I O N S****RELAY INSTRUCTION LEAFLETS****INDEX 41-000 BY NUMBER**

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102	COM	5-68	24	489	SDB	11-71	22
103	CO (CIRCUIT OPENING)	6-68	20	489-1	SDBU-1	12-70	24
106	CO-4 (STEP TIME)	9-61	12	489-2	SDBU-2	1-73	28
112	COD	10-61	8	490	KD-10/KD-11	6-74	36
112.1	COD (0.5-2 AND 1-4 AMP)	6-60	8	491.4	KD/KD-4	4-73	36
116	COV	7-65	16	492	KS (.75-20 OHMS)	6-73	20
131	CR-CRC-CRP-CRD	2-73	28	492.1	KS (.51-30 OHMS)	6-73	20
133	IRP-IRC-IRD	2-73	32	492.2	SKSU	6-71	26
133.2	IRQ	11-69	28	492.5	KST	10-72	20
133.3	IRV	5-71	24	493.1	TEST UNIT FOR K-DAR	4-69	12
137	KRP-KRC-KRD	6-73	16	495.1	SKDU, SKDU-1	6-71	36
137.2	KRV	2-73	12	495.11	SDU-1	5-72	24
137.3	KRD-4	6-72	12	495.2	SKDU-3	3-74	22
137.4	SRGU	1-73	16	495.3	SKDU-31	12-71	30
138	KH-2	3-72	12	495.5	SKD/SP/SP-1	6-69	46
138.1	KH-1	3-72	8	496	KDXG	2-74	24
151.1	D-3	6-69	8	496.4	SDGU-1, 2, 3, 4, 5, 6, 7	3-73	54
161	COQ	4-73	12	496.5	SDG-1, 2, 3, 4, 5	3-73	68
162.2	POQ	5-72	8	497	KRT	2-71	20
163.2	CRQ	11-63	28	497.2	KDTG	6-70	16
164	KRQ	2-73	16	498	KD-3	8-70	28
164.1	SRQU	10-69	26	498.11	KD-4	2-74	28
177	SCC	9-66	12	498.12	KD-5	3-72	44
181.2	CM	12-72	12	499.1	SD-2	9-70	20
201	CV	4-73	20	501.2	CF-1	8-72	8
201.2	CV (FREQ. COMPENSATED)	10-70	16	503	KF	1-74	12
222.2	CP	10-70	8	504	SDF-1	7-73	22
222.4	KP	10-69	8	551.2	CT	3-69	8
223	CVQ	8-72	8	552.1	DT-3	9-71	8
226.2	H-3, HV-3	2-66	16	553.1	BL-1	3-68	16
241.2	CW	5-67	8	573	TD-2	7-67	4
241.3	CW	8-71	8	574.1	TK	10-67	12
241.4	CWD	4-66	8	576	TG-1	2-64	4
242.4	CWC/CWP	10-73	16	579	TD-4	4-73	12
242.5	CWP-1	11-67	10	579.1	TD-5	2-72	8
251.2	CRN-1	1-74	12	579.2	TD-50	11-72	12
331.2	CA (GENERATOR)	4-73	12	661	RC	2-72	16
332.2	CA (TRANSFORMER)	8-72	12	662.1	SCR-1	9-57	8
337.3	CA-26/CA-16	6-73	12	663.2	SGR-12	9-73	8
337.4	KAB	12-73	16	666	RCD	3-73	8

RELAY INSTRUCTION LEAFLETS (NUMERICAL) INDEX 41-000B

I.L. # 41 -	RELAY TYPE	DATE	NO. OF PAGES	I.L. # 41 -	RELAY TYPE	DATE	NO. OF PAGES
667.2	DRC	10-73	20	944.7	TCT TEST METER UNIT	3-70	8
668.1	SGR-51	12-71	12	945.14	TCF (XMTR 1W/10W)	5-73	20
668.11	SCR-52	4-72	12	945.12	TCF-3 FREQ. (10W/1W/10W)	7-71	22
668.12	SGR-52	4-72	16	945.13	TCF (XMTR 1W/10W)KEYD&VOICE	3-74	22
668.21	SGRU-52	2-73	12	945.2	TCF (XMTR 1W/1W) VOLT KEY	8-69	10
670	SRCU-2	8-74	—	945.21	TCF (XMTR 1W/1W)VLT.KEY.TEL	5-73	16
681.1	CVE/CVE-1	11-68	12	945.31	TCF (TMTR 1W/1W)CONT.KEY	5-73	18
741	JM	8-68	4	945.51	TCF (RECVR.)	10-73	34
742	JL	11-70	4	945.52	TCF (RCVR) VOLT.OUT.-TELEM.	10-73	25
747	DGF	10-72	8	945.53	TCF (RCV) CONT.OUT.-TELEM.	10-73	26
748	KLF	1-73	16	945.54	TCF (RCVR) FOR SUP. CTRL.	10-70	26
748.1	KLF-1	4-71	16	945.55	TCF (RCVR) PHASE COMP.RELY.	5-72	26
751	SG	1-72	4	945.56	TCF (RCVR) FOR STU-BUNBLK		
751.1	SG (FT-11 AND 22 CASES)	10-65	4	947.3	JZ-72.6 LINE TUNER	4-74	24
751.2	SG-2	10-68	2	945.6	TCF VOICE ADAPTER	6-74	20
753.1	MG-6	3-71	12	948.11	HI-COUPLER	2-74	12
758.1	TR-1	6-69	8	948.5	HYBRIDS	7-72	8
759	AR	9-72	12	949.1	JZ-71.6 LINE TUNER	10-73	16
759.2	ARS	2-73	24	949.21	JZ-72.36 LINE TUNER	12-71	24
766.1	SC/SC-1/SV/SV-1	2-73	12	953	TT-1	11-62	2
766.4	SVF/SVF-1	3-69	8	954	SKB, SKB-1	2-73	24
771	ITH	3-72	14	954.1	SKBU FOR TC CARRIER	3-71	28
775	SLB	5-72	14	954.2	SKBU FOR TA-2 TONES	3-71	32
776.1	KC-4	2-72	12	954.3	SKBU-11 FOR TC CARRIER	2-73	48
776.2	KC-2	9-72	12	954.4	SKBU-21 FOR TA-2 TONES	10-71	48
776.4	SBFU	11-71	28	954.5	SKBU-2, 21	8-72	56
777	SI/SI-1	9-71	16	955	SPCU	11-73	70
777.1	SIU	5-71	20	958	TT-8	4-65	6
841	TRB/TRB-1	3-67	8	958.5	TT-17	9-70	8
842	TRB ZENER TRIP UNIT	12-71	4	958.6	TT-21	3-72	6
846.1	SRU	9-73	8	958.8	TT-16	9-67	8
850	FUNCTIONAL TEST UNIT	10-73	30	958.91	TT-12 UNIVERSAL CHANNEL	2-74	16
856	AC/DC INVERTER	4-70	2	959.1	TT-9	12-68	4
911	K-DAR	12-71	8	959.3	STU-91. 92	3-72	50
923.1	KA-1	9-70	20	959.4	STU	1-70	68
923.4	KA-4	2-73	12	959.41	STU FOR WEAK-FEED TERM.	8-73	60
923.9	SKAU-3	3-71	38	959.42	STU WITH O/C SUPERVISION	3-71	50
928.1	KQS	3-70	8	959.43	STU FOR E/M DISTANCE RELAY	11-73	62
931	KO-1	11-70	10	959.5	STU-93 & 94	12-72	62
932	KO-3	11-70	8	959.7	STU-12	10-71	64
933.1	KV-1 (OVERVOLTAGE)	10-72	8	959.71	STU-12 FOR WEAK-FEED TER.	3-72	56
933.3	KV-1 (UNDERVOLTAGE)	11-70	8	959.72	STU-12 WITH O/C SUPERVISION	4-74	50
934	SKVU	5-71	16	962.2	SX	2-66	8
941.1	KR-CARRIER	3-74	42	963	TA-1 TONE	10-67	30
942.12	KR-V/ADAPT. (DUAL PRONG)	6-73	16	963.1	TA-2 TONE	10-69	18
942.11	KR V/ADAPT. (SINGLE PRONG)	11-71	16	963.2	TA-3 TONE	3-72	36
944.31	TC CARRIER SET	8-72	30	963.22	TA-2.2 TONE	3-73	36
944.32	TC FOR SOLID STATE SYSTEM	6-73	30	963.3	TA-1 TONE With DC/DC CONV.	3-71	26
944.34	TC-NARROW BAND	8-73	30	964	DIT-4 TONES		
944.4	TC-VOICE ADAP.(DUAL PRONG)	6-69	8	971.2	HCB	10-71	24
944.41	TC-VOICE ADAP.(SINGLE PRNG)	5-73	12	971.3	HCB-1	2-73	26
944.5	TCU CONTROL UNIT	2-73	20	971.4	PILOT WIRE INSULATION	8-71	8
944.6	RESERVE SIGNAL DETECTOR	5-72	4	973.5	PM LINE	8-71	28



Westinghouse (ALPHABETICAL) INDEX 41-000F
INSTALLATION • OPERATION • MAINTENANCE
I N S T R U C T I O N S

RELAY INSTRUCTION LEAFLETS
INDEX 41 – 000 ALPHABETICAL

RELAY TYPE	I.L. # 41 –	DATE	NO. OF PAGES	RELAY TYPE	I.L. # 41 –	DATE	NO. OF PAGES
AR	759	9-78	12	HCB-1	971.3	1-77	26
AR (CLASS 1E)	759.4	12-77	12	HI-COUPLER	948.11	6-77	16
AR (HIGH THRESHOLD DESIGN)	759.3	12-77	12	HI-LO CO	100	12-76	20
ARS	759.2	4-77	24	HRU	347.3	5-77	12
BL-1	553.1	2-78	16	HU/HU-1	347.1	1-76	24
BL-1 (CLASS 1E)	553.2	2-79	20	HU/HU-1/HU-4	347.11	3-76	2
CA (GENERATOR)	331.2	2-75	12	HU/HU-1/HU-4 (CLASS 1E)	347.12	8-78	24
CA (TRANSFORMER)	332.2	6-75	12	HYBRIDS	948.5	11-75	8
CA-16 (CLASS 1E)	337.31	3-79	20	IRP-IRC-IRD	133	1-76	32
CA-26/CA-16	337.3	11-75	12	IRQ	133.2	6-77	28
CF-1	501.2	3-76	8	IRV	133.3	6-75	24
CKO	101.3	4-77	24	ITH	771	10-77	8
CM	181.2	3-78	12	JL	742	11-70	4
CO LINE	101	3-78	20	JM	741	8-68	4
CO (CIRCUIT-OPENING)	103	6-76	20	JZ-71.6 LINE TUNER	949.1	10-73	16
CO (CLASS 1E)	100.1	12-77	20	JZ-72.36 LINE TUNER	949.21	8-77	16
CO-4 (STEP TIME)	106	10-75	12	JZ-72.6 LINE TUNER	947.3	4-74	24
CO-4 (CLASS 1E)	106.1	12-77	24	K-DAR	911	12-71	8
CO (HI LO)	100	12-76	24	KA-1	923.1	9-70	20
COD	112	5-71	8	KA-4	923.4	9-78	14
COD (0.5-2 AND 1-4 AMP)	112.1	6-60	8	KAB	337.4	11-78	16
COM	102	3-78	24	KC-2	776.2	5-78	12
COQ	161	4-73	12	KC-4	776.1	12-77	16
COV	116	7-78	20	KD-3	498	8-70	28
CP	222.2	9-77	8	KD-4 (.2-4.35 OHMS)	498.11	1-76	28
CR-CRC-CRP-CRD	131	2-76	28	KD-5	498.12	3-72	44
CRN-1	251.2	4-78	12	KD/KD-4 (.75-20 OHMS)	491.4	8-75	36
CRQ	163.2	1-77	28	KD-10/KD-11	490	10-75	48
CT	551.2	9-78	12	KDTG	497.2	5-75	16
CV	201	4-73	20	KDXG	496	12-75	24
CV (FREQ. COMPENSATED)	201.2	9-77	16	KF	503	5-75	12
CVE/CVE-1	681.1	12-78	16	KH-1	138.1	3-72	8
CVQ	223	4-78	12	KH-2	138	2-75	12
CW	241.2	5-67	8	KLF	748	1-77	24
CW	241.3	5-76	8	KLF-1	748.1	1-77	24
CWD	241.4	1-75	8	KO-1	931	11-70	10
CWP/CWC	242.4	10-75	16	KO-3	932	10-74	8
CWP-1	242.5	11-67	10	KP	222.4	5-77	8
D-3	151.1	6-69	8	KQS	928.1	11-76	8
DC/AC INVERTER	856	4-70	2	KR-CARRIER	941.1	3-74	42
DIT AND DIT-1 TONES	965	4-78	—	KR/VOICE ADAPT.			
DIT-4 TONES	964	1-79	62	(SINGLE PRONG)	942.11	6-76	16
DGF	747	2-77	8	KRD-4	137.3	2-75	12
DRC-1	667.3	10-78	20	KRP-KRC-KRD	137	11-74	16
DT-3	552.1	9-75	12	KRQ	164	4-77	16
FT CASES	076	11-77	12	KRT	497	2-77	16
FUNCTIONAL TEST UNIT	850	2-75	30	KRV	137.2	6-73	12
H-3, HV-3	226.2	2-66	16	KS (.75-20 OHMS)	492	8-75	20
ICB	971.2	1-77	24	KS (.51-30 OHMS)	492.1	7-76	20

RELAY INSTRUCTION LEAFLET (ALPHABETICAL) INDEX 41-000F

RELAY TYPE	I.L. # 41 -	DATE	NO. OF PAGES	RELAY TYPE	I.L. # 41 -	DATE	NO. OF PAGES
KST	492.5	8-75	20	STU-12	959.7	10-71	64
KV-1 (UNDervOLTAGE)	933.3	11-70	8	STU-12 FOR WEAK-FEED TER.	959.71	3-76	56
KV-1 (OVERVOLTAGE)	933.1	10-72	6	STU WITH O/C SUPERV.	959.72	4-74	50
LC-1/LC-2	342.1	5-75	16	STU-12 FOR E.M. DIST. RELAYS	959.73	3-79	48
MG-6	753.1	9-75	12	STU-91, 92	959.3	2-76	50
PILOT WIRE INSULATION	971.4	4-76	8	STU-93, 94	959.5	5-77	62
PM LINE	973.5	3-78	28	SVF/SVF-1/SVF-3/SVF-31	766.4	1-77	12
POQ	162.2	12-78	12	SX	962.2	5-76	8
RC	661	3-78	20	TA-1 TONE	963	10-67	30
RCD	666	11-75	12	TA-1 TONE WITH DC/AC CONV.	963.3	3-71	26
RESERVE SIGNAL DETECTOR	944.6	4-77	4	TA-2 TONE	963.1	10-69	18
SA-1	348.1	3-72	16	TA-2.2 TONE	963.22	8-77	36
SA-1 (CLASS 1E)	348.11	5-79	8	TA-3 TONE	963.2	1-78	51
SBFU	776.4	4-77	36	TC FOR DIR. AND PHASE COMP.	944.33	2-78	30
SBF-1	776.5	11-78	30	TC FOR S.S. RELAY SYSTEMS	944.32	6-76	30
SC/SC-1/SV/SV-1	766.1	12-78	12	TC CARRIER-NARROW BAND	944.34	4-78	30
SCO	110	3-77	34	TC-V/ADAPT (SINGLE PRONG)	944.41	2-73	12
SCO-T	111	7-78	34	TCF (XMTR 1W/10W) RELAYING	945.14	11-77	22
SD-2	499.1	9-76	20	TCF (XMTR 10W/10W) RELAYING	945.15	11-77	22
SDB	489	11-71	22	TCF (RCVR) CONT. OUT. TELM.	945.53	10-73	26
SDBU-1	489.1	12-70	24	TCF (RCVR) FOR STU-UNBLK	945.56	11-74	58
SDBU-2	489.2	1-73	8	TCF (RCVR) FOR SUPV. CNTRL.	945.54	12-78	14
SDF-1	504.1	8-75	26	TCF (RCVR) PHASE COMP.	945.55	4-76	26
SDG-1, 2, 3, 4, 5	496.5	10-76	60	TCF (RCVR) VOLT. OTPT. TELM.	945.52	10-73	25
SDG-IT, SDG-2T, SDG-4T	496.52	7-78	6	TCF (RECVR.) TRANS. TRIP	945.51	11-77	40
SDGU-1, 2, 3, 4, 5, 6, 7	496.4	7-76	54	TCF (3 FREQ. 10W/1W/10W)	945.12	11-77	22
SDU-1	495.11	10-77	24	TCF (W/VOICE)	945.6	5-74	20
SG	751	8-76	8	TCF (XTMR 1W/1W) CONT. KEY	945.31	12-78	18
SG (FT11 AND 22 CASES)	751.1	10-65	4	TCF (XTMR 1W/1W) VOLT KEY	945.2	8-69	10
SGR-1	662.1	9-57	8	TCF XMTR 1W/10W KEY & VOICE	945.13	7-78	20
SGR-12	663.2	9-73	8	TCF-10 (RCVR) PHASE COMP.	945.57	3-79	30
SGR-51	668.1	11-75	12	TCF-10 (RCVR) FOR SUPV. CNTRL.	945.58	5-77	30
SGR-52	668.12	2-76	16	TCF-10 (RCVR) RS232C INTER.	945.59	6-78	34
SGRU-52	668.21	11-75	12	TCF-10 (RCVR) FOR DUAL PHASE			
SI/SI-1	777	6-77	16	COMP. DC/DC CONVRTR.	945.61	3-79	30
SI-T	777.3	5-76	14	TCF-10 (RCVR) STU UNBLOCK			
SIU	777.1	9-75	20	WIDE BAND, DC/DC CONVRTR.	945.84	3-79	46
SIU (FREQUENCY COMPENSATED)	777.2	6-77	28	TCF-10 (RCVR) TRANSFER TRIP	945.85	3-79	30
SKAU-3	923.9	6-77	38	TCF-10 (XMTR) 1W/10W FOR			
SKB, SKB-1	954	11-74	24	KEYED & VOICE APPL.	945.71	3-79	22
SKBU FOR TA-2 TONES	954.2	3-71	32	TCF-10 (XMTR) THREE FREQ.			
SKBU FOR TC CARRIER	954.1	11-77	26	WITH VOICE	945.74	3-79	24
SKBU-1 & 11 FOR TC CARRIER	954.3	9-78	48	TCF (XTMR 10W) SUPV. CTRL.	945.41	5-73	14
SKBU-2, 21	954.5	1-76	56	TCT-100	944.71	8-77	8
SKBU-2A	954.6	1-78	54	TD-2	573	7-78	8
SKD/SP/SP-1	495.5	3-75	46	TD-4	579	4-73	12
SKD-T, -1T	495.51	10-77	30	TD-5	579.1	6-74	8
SKDU, SKDU-1	495.1	9-11	40	TD-50	579.2	7-77	12
SKDU-3	495.2	3-76	26	TD-52	579.3	12-76	12
SKDU-31 (UNIVERSAL OUTPUT)	495.31	6-76	34	TEST UNIT FOR K-DAR	493.1	3-77	20
SKSU	492.2	12-74	26	TG-1	576	2-64	4
SKVU	934	5-71	16	TK	574.1	3-75	12
SLB	775.1	11-78	20	TR-1	758.1	7-76	4
SOLID STATE SYMBOLS	000.1	2-71	6	TR-1	758	7-76	8
SPCU-1A	995.2	5-78	96	TRB ZENER TRIPPING UNIT	842	12-71	4
SRGU	137.4	4-77	16	TRB/TRB-1	841	9-76	4
SRCU-2	670	4-74	56	TT-1	953	11-62	2
SRQU	164.1	6-72	26	TT-12 UNIVERSAL CHANNEL	958.91	11-76	16
SRU	846.1	9-73	8	TT-16	958.8	9-67	8
SSV-T & SSC-T (CLASS 1E)	766.5	11-77	12	TT-17	958.5	2-77	8
STU FOR WEAK-FEED TER.	959.41	6-76	60	TT-21	958.6	3-72	6
STU WITH O/C SUPERVISION	959.42	2-77	50	TT-8	958	4-65	6
STU FOR E.M. DIST. RELAYS	959.43	8-77	50	TT-9	959.1	10-74	8

RELAY TYPE	I.L. # 41-	DATE	NO OF PAGES	RELAY TYPE	I.L. # 41-	DATE	NO OF PAGES
AD-1 ADAPTER	401.1	1-69	4	SKD-SP-1	495.5	6-69	4
AD-1 ADAPTER	401.1	4-69	20	SKD-2	495.2	6-69	21
KRD-4	137.3	7-69	12	SKD-3	495.3	7-69	30
KRP-KRC-KRD	137	6-68	16	SKSU	492.2	7-69	26
KRQ	164	5-69	16	SOLID STATE SYMBOLS	000.1	2-71	6
KRV	137.2	1-64	12	SRC-1	669	9-70	18
KS (.75-20 OHMS)	492	10-70	20	SRGU	137.4	11-69	16
KS (.51-30 OHMS)	492.1	3-70	20	SRQU	164.1	10-69	26
KV-1	933.3	11-70	8	STU	959.4	1-70	68
KV-1 (OVERVOLTAGE)	933.1	2-71	6	STU FOR WEAK-FEED TER.	959.41	3-70	60
LC-1 LC-2	342.1	10-67	16	STU-12	959.7	9-70	64
MG-6	753.1	1-69	12	STU-12 FOR WEAK-FEED TER.	959.71	6-70	56
PILOT WIRE INSULATION	971.4	6-69	8	STU-91, 92	959.3	2-71	50
PM LINE	973.3	6-69	28	SVF, SVF-1	766.4	3-69	8
POQ	162.2	6-68	8	SX	962.2	2-66	8
RC	661	5-67	16	TA-1 TONE	963	10-67	30
RCD	666	10-70	8	TA-2 TONE	963.1	10-69	18
RESERVE SIGNAL DETECTOR	944.6	1-69	4	TA-3 TONE	963.2	5-69	36
SA-1	348.1	8-69	16	TC CARRIER SET	944.31	6-69	30
SAR	843	1-70	12	TC-VOICE ADAPTER	944.4	6-69	8
SBFU	776.4	7-70	28	TCF (XMTR 1W/10W)	945.1	10-69	14
SC/SC-1/SV/SV-1	776.1	3-70	12	TCF RCVR CONT. OUT.-TLM	945.53	9-70	18
SD-2	499.1	9-70	20	TCF RCVR FOR SUP. CTRL	945.54	10-70	14
SDB	489	7-68	22	TCF RCVR VOLT. OUT.-TLM	945.52	3-66	12
SDBU-1	489.1	12-70	24	TCF (RCVR.)	945.51	3-71	26
SDBU-2	489.2	8-70	28	TCF TMTR 1W/1W) CONT. KEY	945.3	1-69	12
SDG-1,2,3,4,5	496.5	2-71	52	TCF XMTR 1W/1W) VOLT KEY	945.2	8-69	10
SDGU-1,2,3,4,5,6,7	496.4	11-70	80	TCT TEST METER UNIT	944.7	3-70	8
SG	751	8-68	4	TD	572	9-55	4
SG (FT11 AND 22 CASES)	751.1	10-65	4	TD-1	572.2	11-68	4
SG-2	751.2	1-69	2	TD-2	573	7-67	4
SGR-1	662.1	9-57	8	TD-4	579	11-69	12
SGR-12	663.2	6-68	8	TD-5	579.1	3-70	8
SGR-51	668.1	11-70	12	TEST UNIT FOR K-DAR	493.1	4-69	12
SGR-52	668.11	6-70	12	TG-1	576	2-64	4
SI/SI-1	777	3-68	16	TK	574.1	10-67	12
SIU	777.1	2-71	20	TR-1	758.1	6-69	8
SKAU	923.8	1-70	20	TRB ZENER TRIPPING UNIT	842	1-70	4
SKB, SKB-1	954	12-68	24	TRB/TRB-1	841	3-67	8
SKBU WITH TA-2 TONES	954.2	6-70	32	TT-12	958.9	3-70	12
SKBU WITH TC CARRIER	954.1	3-71	28	TT-16	958.8	9-67	8
SKBU-11 WITH TC CARRIER	954.3	8-68	34	TT-17	958.5	9-70	8
SKBU-2, 21	954.5	2-71	56	TT-21	958.6	8-68	6
SKBU-21 WITH TA-2 TONES	954.4	6-70	48	TT-8	958	4-65	6
SKD/SP/SP-1	495.5	6-69	46	TT-9	959.1	12-68	4

WESTINGHOUSE ELECTRIC CORPORATION
RELAY-INSTRUMENT DIVISION

NEWARK, N. J.

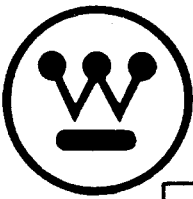
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573	TD-4	10-71	12	943.11	RR-V ADAPT. (SINGLE PRONG)	11-71	10
579.1	TD-5	2-72	8	944.31	TC CARRIER SET	8-72	30
579.2	TD-50	11-72	12	944.32	TC FOR SOLID STATE SYSTEM	11-71	30
661	RC	2-72	16	944.4	TC-VOICE ADAP. (DUAL PRONG)	6-69	8
662.1	SCR-1	9-57	8	944.41	TC-VOICE ADAP. (SINGLE PRONG)	4-72	12
663.2	SGR-12	6-68	8	944.6	RESERVE SIGNAL DETECTOR	5-72	4
666	RCD	10-70	8	944.7	TCT TEST METER UNIT	3-70	8
671.1	DRC	10-70	15	945.1	TCF XMTR 1W 10W	10-69	14
668.1	SCR-51	12-71	12	945.12	TCF-3 FREQUENCY	7-71	22
668.11	SGR-52	4-72	12	945.2	TCF XMTR 1W 1W VOLT KEY	8-69	10
668.2	SGRU-52	4-69	12	945.3	TCF XMTR 1W 1W CONT KEY	1-69	12
681.1	CVE CVE-1	11-68	12	945.51	TCF (RCVR)	1-72	26
669	SRC-1	9-70	18	945.52	TCF (RCVR) VOLT. OUT. TLM	3-69	12
741	JM	8-68	4	945.53	TCF (RCVR) CONT. OUT. TLM	9-70	16
742	JL	11-70	4	945.54	TCF (RCVR) FOR SUP. CTRL.	10-70	14
747	DGF	10-72	8	945.55	TCF (RCVR) PHASE COMP. RELAY		
748	KLF	10-69	16	947.3	JZ-72.6 LINE TUNER	1-69	24
748.1	KLF-1	4-71	16	948.11	HI-COUPLER	12-69	12
751	SG	1-72	4	948.5	HYBRIDS	7-72	8
751.1	SG (FT-11 AND 22 CASES)	10-65	4	949.1	JZ-71.6 LINE TUNER	10-72	16
751.2	SG-2	10-68	2	949.21	JZ-72.36 LINE TUNER	12-71	24
753.1	MG-6	3-71	12	954	SKB, SBK-1	12-68	24
758.1	TR-1	6-69	8	954.1	SKBU FOR TC CARRIER	3-71	28
759	AR	9-72	12	954.2	SKBU FOR TA-2 TONES	3-71	32
762	ARS	9-71	24	954.3	SKBU-11 FOR TC CARRIER	8-71	34
766.1	SC SC-1 SV SV-1	3-70	12	954.4	SKBU-21 FOR TA-2 TONES	10-71	48
766.4	SVF, SVF-1	3-69	8	954.5	SKBU-2, 21	8-72	56
771	ITH	3-72	8	958	TT-8	4-65	6
775	SLB	5-72	14	958.5	TT-17	9-70	8
776.1	KC-4	2-72	12	958.6	TT-21	3-72	6
776.2	KC-2	9-72	12	958.8	TT-16	9-67	8
776.4	SBFU	11-71	28	958.9	TT-12	3-70	12
777	SI SI-1	9-71	16	958.91	TT-12 UNIVERSAL CHANNEL	9-72	16
777.1	SI U	5-71	20	959.1	TT-9	12-68	4
841	TRB TRB-1	3-72	8	959.3	STU-91, 92	3-72	50
842	TRB ZENNER TRIP UNIT	11-71	4	954.4	STU	1-70	68
843	SAR	7-69	12	959.41	STU FOR WEAK-FEED TERM.	8-72	60
846.1	SRU	4-72	8	959.42	STU WITH O C SUPERVISION	3-71	50
850	FUNCTIONAL TEST UNIT	6-71	30	959.7	STU-12	10-71	64
856	AC DC INVERTER	4-70	2	959.71	STU-12 FOR WEAK-FEED TER.	3-72	56
911	K-DAR	12-71	8	959.72	STU-12 WITH O C SUPERVISION	4-71	50
923.1	KA-1	9-70	20	962.2	SX	2-66	8
923.4	KA-4	7-71	12	963	TA-1 TONE	10-67	30
923.8	SKAU	1-70	20	963.1	TA-2 TONE	10-69	18
923.9	SKAU-3	3-71	38	963.2	TA-3 TONE	3-72	36
928.1	KQS	3-70	8	963.3	TA-1 TONE With DC DC CONV.	3-71	26
931	KO-1	11-70	10	971.2	HCB	10-71	24
932	KO-3	11-70	8	971.3	HCB-1	4-72	26
933.1	KV-1 (OVERVOLTAGE)	10-72	8	971.4	PILOT WIRE INSULATION	8-71	8
933.3	KV-1	11-70	8	973.5	PM LINE	8-71	28

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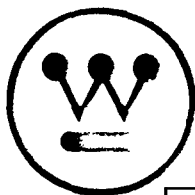


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AC/DC INVERTER	856	4-70	2	DT-3	552.1	9-69	8
AR	759	5-70	12	FT CASES	076	2-65	10
BL-1	553.1	3-68	16	H-3, HV-3	226.2	2-66	16
CA (GENERATOR)	331.2	4-65	12	HCB	971.2	5-69	24
CA (TRANSFORMER)	332.2	1-66	12	HCB-1	971.3	5-70	26
CA-26/CA-16	337.3	2-69	12	HI-COUPLER(148A432G04)	948.11	12-69	12
CF-1	501.2	1-69	8	HRU	347.3	1-69	12
CM	181.2	6-70	12	HU/HU-1	347.1	7-70	24
CO LINE	101	5-67	20	IRP-IRC-IRD	133	7-69	32
CO (CIRCUIT OPENING)	103	6-68	20	IRQ	133.2	11-69	28
CO (CONTACT MAKING AMM)	109	2-58	4	IRV	133.3	3-68	24
CO-4 (STEP TIME)	106	9-61	12	ITH	771	12-68	8
COD	112	10-61	8	JL	742	11-70	4
COD (0.5-2 AND 1-4 AMP)	112.1	6-60	8	JM	741	8-68	4
COM	102	5-68	24	JZ-71.6 LINE TUNER	949.1	1-69	16
COQ	161	7-69	12	JZ-72.6 LINE TUNER	947.3	1-69	24
COV	116	7-65	16	K-DAR	911	6-70	8
CP	222.2	10-70	8	KA-1	923.1	9-70	20
CR-CRC-CRP-CRD	131	5-69	28	KA-4	923.4	5-70	12
CRN-1	251.2	11-69	12	KC-2	776.2	2-70	12
CRQ	163.2	11-63	28	KC-4	776.1	10-66	12
CT	551.2	3-69	8	KD-3	498	8-70	28
CV	201	8-69	20	KD-4 (.2-4.35 OHMS)	498.11	11-69	24
CV (FREQ. COMPENSATED)	201.2	10-70	16	KD-5	498.12	11-69	44
CVE/CVE-1	668.1	11-68	12	KD/KD-4 (.75-20 OHMS)	491.4	2-69	36
CVQ	223	9-70	8	KDTG	497.2	6-70	16
CW	241.2	5-67	8	KDXG	496	6-70	24
CW	241.3	5-67	8	KF	503	3-70	12
CWD	241.4	5-66	8	KH-1	138.1	11-69	8
CWD/CWC	242.4	11-67	16	KH-2	138	2-70	12
CWP-1	242.5	11-67	10	KLF	748	10-69	16
D-3	151.1	6-69	8	KLF-1	748.1	3-66	16
DGF	747	3-68	8	KO-1	931	11-70	10
DRC	667.1	10-70	15	KO-3	952	11-70	8

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069.1	SOLID STATE SYMBOLS	4-71	4	241.7	CRP-1	11-67	1
070	FT CASES	2-65	10	251.1	CRN-1	9-71	12
101	CO LINE	5-67	20	301.1	CA (GENERATOR)	4-65	12
102	CON	5-65	24	301.2	CA TRANSFORMER	1-69	12
103	CO (CIRCUIT OPENING)	6-65	20	337.5	CA-25 CA-16	10-72	12
106	CP-4 (STEP TIME)	9-61	12	342.1	LC-1 LC-2	9-71	16
109	CO (CONTACT MAKING AND)	2-58	4	347.1	HU HU-1	7-70	24
112	COO	10-61	8	347.3	HRV	9-72	12
112.1	COO (0.5-2 AND 1-4 AMP)	6-60	8	348.1	SA-1	3-72	16
116	CCV	7-65	16	438	SDB	11-71	22
131	CR-CRC-CRP-CRD	5-69	28	489-1	SDBU-1	12-70	24
133	IRP-IRC-IRD	10-71	32	489-2	SDBU-2	8-70	25
133.2	IRQ	11-69	26	491.4	KD KD-4	3-72	36
133.3	IRV	3-65	24	491	KS (.75-20 OHMS)	4-72	20
137	KRP-KRC-KRD	6-65	16	492.1	KS (.51-30 OHMS)	10-72	20
137.2	KRV	10-72	12	492.2	SKSU	6-71	26
137.3	KRD-4	6-72	12	493.1	TEST UNIT FOR K-DAR	4-69	12
137.4	SRGU	11-69	16	495.1	SKDU, SKDU-1	6-71	36
138	KH-2	3-72	12	495.11	SDU-1	5-72	24
138.1	KH-1	3-72	8	495.2	SKDU-3	6-69	12
151.1	D-3	6-69	8	495.8	SKDU-31	12-71	30
161	COQ	4-72	12	495.5	SKD SP SP-1	6-69	40
162.2	POQ	5-72	8	496	WDNG	6-70	24
163.2	CRQ	11-63	28	497.4	SDGU-1, 2, 3, 4, 5, 6, 7	3-72	15
164	KRQ	5-68	16	496.5	SDG-1, 2, 3, 4, 5	7-71	52
164.1	SRQU	10-69	26	497.2	KDTG	6-70	16
181.2	CM	6-70	12	498	KD-3	8-70	28
201	CV	8-69	20	498.11	KD-4	7-71	24
201.2	CV (FREQ. COMPENSATED)	10-69	16	498.12	KD-5	3-72	24
222.2	CF	10-70	8	499.1	SD-2	9-70	20
222.4	KF	10-69	8	501.2	CF-1	8-72	8
223	CVQ	8-72	8	503	KF	6-72	12
226.2	H-3, HV-3	2-66	16	504	SDF-1	5-72	22
241.2	CW	5-67	8	551.2	CT	3-69	8
241.3	CW	5-67	8	552.1	DT-3	9-71	8
241.4	CWD	5-66	8	553.1	BL-1	3-68	16
242.4	CWD CWC	11-67	16	572.2	TD-1	11-68	4

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I N S T R U C T I O N S

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AR	759	9-78	12	HCB-1	971.3	1-77	26
AR (CLASS 1E)	759.4	12-77	12	HI-COUPLER	948.11	6-77	16
AR (HIGH THRESHOLD DESIGN)	759.3	12-77	12	HI-LO CO	100	12-76	20
ARS	759.2	4-77	24	HRU	347.3	5-77	12
BL-1	553.1	2-78	16	HU/HU-1	347.1	1-76	24
BL-1 (CLASS 1E)	553.2	2-79	20	HU/HU-1/HU-4	347.11	3-76	2
CA (GENERATOR)	331.2	2-75	12	HU/HU-1/HU-4 (CLASS 1E)	347.12	8-78	24
CA (TRANSFORMER)	332.2	6-75	12	HYBRIDS	948.5	11-75	8
CA-16 (CLASS 1E)	337.31	3-79	20	IRP-IRC-IRD	133	1-76	32
CA-26/CA-16	337.3	11-75	12	IRQ	133.2	6-77	28
CF-1	501.2	3-76	8	IRV	133.3	6-75	24
CKO	101.3	4-77	24	ITH	771	10-77	8
CM	181.2	3-78	12	JL	742	11-70	4
CO LINE	101	3-78	20	JM	741	8-68	4
CO (CIRCUIT-OPENING)	103	6-76	20	JZ-71.6 LINE TUNER	949.1	10-73	16
CO (CLASS 1E)	100.1	12-77	20	JZ-72.36 LINE TUNER	949.21	8-77	16
CO-4 (STEP TIME)	106	10-75	12	JZ-72.6 LINE TUNER	947.3	4-74	24
CO-4 (CLASS 1E)	106.1	12-77	24	K-DAR	911	12-71	8
CO (HI LO)	100	12-76	24	KA-1	923.1	9-70	20
COD	112	5-71	8	KA-4	923.4	9-78	14
COD (0.5-2 AND 1-4 AMP)	112.1	6-60	8	KAB	337.4	11-78	16
COM	102	3-78	24	KC-2	776.2	5-78	12
COQ	161	4-73	12	KC-4	776.1	12-77	16
COV	116	7-78	20	KD-3	498	8-70	28
CP	222.2	9-77	8	KD-4 (.2-4.35 OHMS)	498.11	1-76	28
CR-CRC-CRP-CRD	131	2-76	28	KD-5	498.12	3-72	44
CRN-1	251.2	4-78	12	KD/KD-4 (.75-20 OHMS)	491.4	8-75	36
CRQ	163.2	1-77	28	KD-10/KD-11	490	10-75	48
CT	551.2	9-78	12	KDTG	497.2	5-75	16
CV	201	4-73	20	KDXG	496	12-75	24
CV (FREQ. COMPENSATED)	201.2	9-77	16	KF	503	5-75	12
CVE/CVE-1	681.1	12-78	16	KH-1	138.1	3-72	8
CVQ	223	4-78	12	KH-2	138	2-75	12
CW	241.2	5-67	8	KLF	748	1-77	24
CW	241.3	5-76	8	KLF-1	748.1	1-77	24
CWD	241.4	1-75	8	KO-1	931	11-70	10
CWP/CWC	242.4	10-75	16	KO-3	932	10-74	8
CWP-1	242.5	11-67	10	KP	222.4	5-77	8
D-3	151.1	6-69	8	KQS	928.1	11-76	8
DC/AC INVERTER	856	4-70	2	KR-CARRIER	941.1	3-74	42
DIT AND DIT-1 TONES	965	4-78	—	KR/VOICE ADAPT. (SINGLE PRONG)	942.11	6-76	16
DIT-4 TONES	964	1-79	62	KRD-4	137.3	2-75	12
DGF	747	2-77	8	KRP-KRC-KRD	137	11-74	16
DRC-1	667.3	10-78	20	KRQ	164	4-77	16
DT-3	552.1	9-75	12	KRT	497	2-77	16
FT CASES	076	11-77	12	KRV	137.2	6-73	12
FUNCTIONAL TEST UNIT	850	2-75	30	KS (.75-20 OHMS)	492	8-75	20
H-3, HV-3	226.2	2-66	16	KS (.51-30 OHMS)	492.1	7-76	20
HCB	971.2	1-77	24				

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KST	492.5	8-75	20	STU-12	959.7	10-71	64
KV-1 (UNDervOLTAGE)	933.3	11-70	8	STU-12 FOR WEAK-FEED TER.	959.71	3-76	56
KV-1 (OVERVOLTAGE)	933.1	10-72	6	STU WITH O/C SUPERV.	959.72	4-74	50
LC-1/LC-2	342.1	5-75	16	STU-12 FOR E.M. DIST. RELAYS	959.73	3-79	48
MG-6	753.1	9-75	12	STU-91, 92	959.3	2-76	50
PILOT WIRE INSULATION	971.4	4-76	8	STU-93, 94	959.5	5-77	62
PM LINE	973.5	3-78	28	SVF/SVF-1/SVF-3/SVF-31	766.4	1-77	12
POQ	162.2	12-78	12	SX	962.2	5-76	8
RC	661	3-78	20	TA-1 TONE	963	10-67	30
RCD	666	11-75	12	TA-1 TONE WITH DC/AC CONV.	963.3	3-71	26
RESERVE SIGNAL DETECTOR	944.6	4-77	4	TA-2 TONE	963.1	10-69	18
SA-1	348.1	3-72	16	TA-2.2 TONE	963.22	8-77	36
SA-1 (CLASS 1E)	348.11	5-79	8	TA-3 TONE	963.2	1-78	51
SBFU	776.4	4-77	36	TC FOR DIR. AND PHASE COMP.	944.33	2-78	30
SBF-1	776.5	11-78	30	TC FOR S.S. RELAY SYSTEMS	944.32	6-76	30
SC/SC-1/SV/SV-1	766.1	12-78	12	TC CARRIER-NARROW BAND	944.34	4-78	30
SCO	110	3-77	34	TC-V/ADAPT (SINGLE PRONG)	944.41	2-73	12
SCO-T	111	7-78	34	TCF (XMTR 1W/10W) RELAYING	945.14	11-77	22
SD-2	499.1	9-76	20	TCF (XMTR 10W/10W) RELAYING	945.15	11-77	22
SDB	489	11-71	22	TCF (RCVR) CONT. OUT. TELM.	945.53	10-73	26
SDBU-1	489.1	12-70	24	TCF (RCVR) FOR STU-UNBLK	945.56	11-74	58
SDBU-2	489.2	1-73	8	TCF (RCVR) FOR SUPV. CNTRL.	945.54	12-78	14
SDF-1	504.1	8-75	26	TCF (RCVR) PHASE COMP.	945.55	4-76	26
SDG-1, 2, 3, 4, 5	496.5	10-76	60	TCF (RCVR) VOLT. OPT. TELM.	945.52	10-73	25
SDG-IT, SDG-2T, SDG-4T	496.52	7-78	6	TCF (RECVR.) TRANS. TRIP	945.51	11-77	40
SDGU-1, 2, 3, 4, 5, 6, 7	496.4	7-76	54	TCF (3 FREQ. 10W/1W/10W)	945.12	11-77	22
SDU-1	495.11	10-77	24	TCF (W/VOICE)	945.6	5-74	20
SG	751	8-76	8	TCF (XTMR 1W/1W) CONT. KEY	945.31	12-78	18
SG (FT11 AND 22 CASES)	751.1	10-65	4	TCF (XTMR 1W/1W) VOLT KEY	945.2	8-69	10
SGR-1	662.1	9-57	8	TCF XMTR 1W/10W KEY & VOICE	945.13	7-78	20
SGR-12	663.2	9-73	8	TCF-10 (RCVR) PHASE COMP.	945.57	3-79	30
SGR-51	668.1	11-75	12	TCF-10 (RCVR) FOR SUPV. CNTRL.	945.58	5-77	30
SGR-52	668.12	2-76	16	TCF-10 (RCVR) RS232C INTER.	945.59	6-78	34
SGRU-52	668.21	11-75	12	TCF-10 (RCVR) FOR DUAL PHASE			
SI/SI-1	777	6-77	16	COMP. DC/DC CONVRTR.	945.61	3-79	30
SI-T	777.3	5-76	14	TCF-10 (RCVR) STU UNBLOCK			
SIU	777.1	9-75	20	WIDE BAND, DC/DC CONVRTR.	945.84	3-79	46
SIU (FREQUENCY COMPENSATED)	777.2	6-77	28	TCF-10 (RCVR) TRANSFER TRIP	945.85	3-79	30
SKAU-3	923.9	6-77	38	TCF-10 (XMTR) 1W/10W FOR			
SKB, SKB-1	954	11-74	24	KEYED & VOICE APPL.	945.71	3-79	22
SKBU FOR TA-2 TONES	954.2	3-71	32	TCF-10 (XMTR) THREE FREQ.			
SKBU FOR TC CARRIER	954.1	11-77	26	WITH VOICE	945.74	3-79	24
SKBU-1 & 11 FOR TC CARRIER	954.3	9-78	48	TCF (XTMR 10W) SUPV. CTRL.	945.41	5-73	14
SKBU-2, 21	954.5	1-76	56	TCT-100	944.71	8-77	3
SKBU-2A	954.6	1-78	54	TD-2	573	7-78	8
SKD/SP/SP-1	495.5	3-75	46	TD-4	579	4-73	12
SKD-T, -1T	495.51	10-77	30	TD-5	579.1	6-74	8
SKDU, SKDU-1	495.1	9-11	40	TD-50	579.2	7-77	12
SKDU-3	495.2	3-76	26	TD-52	579.3	12-76	12
SKDU-31 (UNIVERSAL OUTPUT)	495.31	6-76	34	TEST UNIT FOR K-DAR	493.1	3-77	20
SKSU	492.2	12-74	26	TG-1	576	2-64	4
SKVU	934	5-71	16	TK	574.1	3-75	12
SLB	775.1	11-78	20	TR-1	758.1	7-76	4
SOLID STATE SYMBOLS	000.1	2-71	6	TR-1	758	7-76	8
SPCU-1A	995.2	5-78	96	TRB ZENER TRIPPING UNIT	842	12-71	4
SRGU	137.4	4-77	16	TRB/TRB-1	841	9-76	4
SRCU-2	670	4-74	56	TT-1	953	11-62	2
SRQU	164.1	6-72	26	TT-12 UNIVERSAL CHANNEL	958.91	11-76	16
SRU	846.1	9-73	8	TT-16	958.8	9-67	8
SSV-T & SSC-T (CLASS 1E)	766.5	11-77	12	TT-17	958.5	2-77	8
STU FOR WEAK-FEED TER.	959.41	6-76	60	TT-21	958.6	3-72	6
STU WITH O/C SUPERVISION	959.42	2-77	50	TT-8	958	4-65	6
STU FOR E.M. DIST. RELAYS	959.43	8-77	50	TT-9	959.1	10-74	8