

## 8221/V2 and 8222/V3 Machine Controllers

### Memory Boards

30131900	C-MOS Memory Bd. 16K x 16	289.00
40558701	C-MOS Memory Bd. 128k x 16	303.00

### Serial Communications

30032800	4 Ch. Serial Line Unit (Grant or Plessey)	223.00
70000533	4 Ch. Serial Line Unit (Plessey)	223.00

### V2 and V3 Misc.

18013000	11/03 Machine Interface Assembly	168.00
21407000	Pwr. Sequencer Asm. (8221/V2)	106.00
25521000	Pwr. Sequencer Asm. (8221/V2)	106.00
26892000	Pwr. Supply for 8221/V2 Controller	403.00
27514000	ROM Bootstrap Bd. For 8222/V3 Cntr.	121.00
30014100	Pwr. Supply for 8222/V3 Controller	294.00
41273001	Pwr. Sequence Assy. for 8221/V2 Cntr.	119.00
41273401	Pwr. Sequencer Assy. For 8222/V3 Cntr.	119.00

### CPU Boards

27555000	11/23 Processor Brd. (M8186)	875.00
41049801	11/73 Processor Brd. for 8222 Cntr.	1320.00
41228701	11/23 Processor Brd. W/EM Option	998.00

### V2/8221 Main Boards

21928000	8221/V2 CPU Interface. (Top Board)	419.00
25870000	8221/V2 LSI/11 Boot Asm. (Bottom Brd.)	260.00

### V2 Controllers Complete(rebuild)

30009601	8221/V2 Controller (16k Mem.)	1395.00
30009700	8221/V2 Controller (16k Mem.)	1395.00
30009800	8221/V2 Controller (32k Mem.)	1395.00
30009802	8221/V2 Controller (128k Mem w/EMO)	1625.00

### V3 Controllers Complete(rebuild)

30042800	8222/V3 Controller (32k Mem.)	1395.00
30042801	8222/V3 Controller (48k Mem.)	1395.00
41228601	8222/V3 Controller (128k Mem. w/EMO)	1625.00
41570001	8222/V3 Controller (256k Mem. 11/73)	1625.00

Controller rebuilding includes: Cleanup, new power cord/internal wiring, cooling fan(s), battery assembly, rebuild power supply, repairs, and functional test.

## 8223/V4 J11 Machine Controllers

40348302	8223/J11 Controller Asm.	1765.00
40472001	128k Memory Expansion Brd.	330.00
40507701	Serial I/O Expansion Asm.	314.00
40583301	8223/J11 Controller 128k	1765.00
41702001	8223/J11 Controller 256k	1765.00
41702002	8223/J11 Controller 256k	1765.00
42047301	8223/J11 Stand Alone, w/exp I/O	1865.00
42047302	8223/J11 Stand Alone	1765.00
42112901	8223/J11 256k Assembly	1765.00
43155001	128k Memory Expansion Brd.	330.00
43209002	8223/J11 Controller Asm.	1765.00
43329900	8223/J11 Controller Asm.	1765.00
43329902	8223/J11 Controller 256k	1765.00
43379700	8223/J11 Controller	1765.00
43423001	128k Memory Expansion Brd.	330.00

## Expanded Range Verifier (ERV)

30343300	ERV, PCB and Frame Asm.	1485.00
30450801	ERV, System Cabinet	2079.00
30450807	ERV, System Cabinet	2079.00
30451201	Power Supply, ERV	301.00
30497802	ERV, System Cabinet	2079.00
40536903	ERV, Upgraded Version	1485.00
40537001	ERV, PCB and Frame Asm.	1485.00
40537002	ERV, Seq Tst 2C Assembly	1485.00
40537003	ERV, PCB and Frame Asm.	1485.00
40939301	ERV, PCB and Frame Asm.	1485.00
41354601	ERV, Seq Tst 2C Asm.	1485.00
41723201	ERV, System Cabinet	2079.00
41723202	ERV, System Cabinet	2079.00
41752101	ERV, Seq. Tst. 3 Asm.	1485.00
41785301	ERV, PCB and Frame Asm.	1485.00
41785302	ERV, PCB and Frame Asm.	1485.00
41952101	ERV, Seq. Tst 2C Asm.	1485.00
42558301	ERV, Upgraded Version.	1485.00
43915501	ERV, Upgraded(Seq Tst, Panel DR, Mit)	1987.00

All ERV service includes: new pretested relays (pin sockets also), certificate of calibration, calibration sticker, automated performance testing, and report.

## Rotary Encoders

17550001	Rotary Encoder, 152-021-250-11UF	99.00
17550002	Rotary Encoder, 152-021-100-11UF	99.00
17550003	Rotary Encoder, 152-021-127-11UF	99.00
17550004	Rotary Encoder, 152-021-500-11UF	99.00
17550005	Rotary Encoder, 152-021-XXX-11UF	99.00
17550007	Rotary Encoder, 152-021-XXX-11UF	99.00
17550008	Rotary Encoder, 152-021-XXX-11UF	99.00
30846501A	Rotary Encoder, 152-021-250-UUFS 699	99.00
30846501R	Rotary Encoder, 152-021-250-11UF 710	99.00
41143001	Rotary Encoder, 153-021-256-11SAN	99.00
41143002	Rotary Encoder, 153-021-500-11SAN	99.00
41143003	Rotary Encoder, 153-021-XXX-11SAN	99.00
41273702	Rotary Encoder, 153-021-500-11SAN	99.00
41273703	Rotary Encoder, 153-021-1024-11AM	99.00
42699301	Rotary Encoder, 153-021-250-11SAM	99.00
42939701	Rotary Encoder, 153-021-XXX-11XXX	99.00

## Motor Rebuilding

11467000	Servo Motor, PMI U12M4	510.00
40051001	Servo Motor, PMI U12M4 w/pulley	549.00
40051002	Servo Motor, PMI U12DA Platinum	836.00
40897301	Pac-Sci 4SVM62-000-4/33VM62-000-17	638.00
42425401	Motor-Tach-Encoder CMC MTE2115-100BE	532.00

Please call for quotations, rebuilding includes: replacement of the armature, bearings, brushes; cleaning, and re-assembly to factory spec.