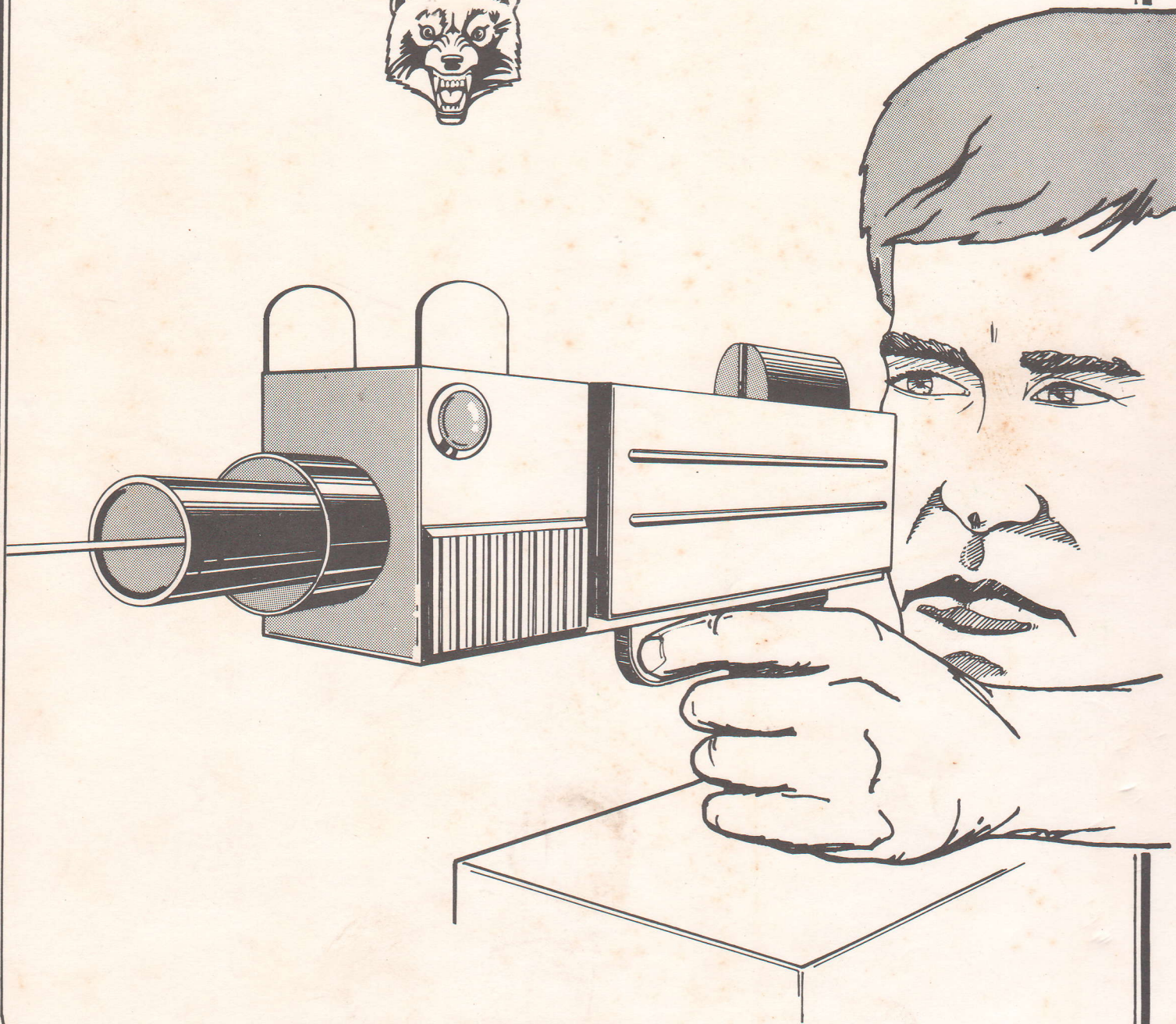


OPERATION WOLF

TM



OPERATING MANUAL

GAME INSPECTION

OPERATION WOLF is ready to use when received. You should however carefully inspect the unit. This is to insure that the unit is in perfect condition. Be sure to verify the following before turning the unit on.

Examine external cabinet for chips, dents, or broken parts.

Check:

Plug-in connectors to see that they are firmly seated.

All player control connections.

For loose components on P.C. Board.

Fuses, making sure they are firmly in holders.

Coin mechanisms.

For loose foreign objects, especially metal, screws, or parts which might cause electrical problems.

POWER REQUIREMENTS

The game is shipped ready for operation at 120VAC, 60Hz with a power consumption of approximately 250 watts.

CAUTION

FOR SAFE OPERATION IT IS RECOMMENDED THE CABINET BE GROUNDED. THIS GAME IS EQUIPPED WITH A THREE CONDUCTOR POWER CABLE. THE THIRD CONDUCTOR IS THE GROUND CONDUCTOR AND WHEN THE CABLE IS PLUGGED INTO AN APPROPRIATE RECEPTACLE, THE GAME IS GROUNDED. THE OFFSET PIN ON THE POWER CABLE'S THREE-PRONG CONNECTOR IS THE GROUND CONNECTION.

LOCATION SPACE REQUIREMENTS

DEPTH: 36"

WIDTH: 25"

HEIGHT: 72"

WEIGHT: 225 lbs.

GAME INSTALLATION

The following precautions should be followed when installing the game:

Avoid rough handling of game, the picture tube is fragile. Avoid installing the game where it may receive excessive sunlight or heat, to prevent a rising internal temperature. Do not install in a damp or dusty location.

If problems occur or technical assistance is required, contact our customer service department at (312) 520-9280.

INTRODUCTION

You're a soldier on a mission in Operation Wolf. The outstanding graphics take you through 6 screens of daring adventure to rescue hostages held by the enemy. You have your gun and mortar rockets at your disposal to get the hostages safely aboard the airplane and home to freedom.

1-708-520-9280

TAITO

INCREASE

contrast

PAUL

1-708-520-9280

OPERATION WOLF

How to play:

- Game starts by inserting coin(s) and pressing the start button.
- Continuous firing can be made by holding the trigger.
- Mortar rockets can be launched by pressing the button on the side of the gun.
- After finishing the opening scene, 6 screens appear.
- The 6 screens have the following effect on the game play:

Communication facility If this scene is not cleared, the number of enemies increase (little by little) whenever another scene is cleared.

Jungle If this scene is cleared, the concentration camp can be selected in the the next level.

Ordinance facility If this scene is cleared, the number of bullets and mortars increase.

Village community If this scene is cleared, 20 units of damage are recovered.

Concentration camp If this scene is cleared, the hostages appear from the edge of the screen or barracks and cross the screen. If the player lets them cross without hitting them, one hostage is rescued. Sometimes a knife-carrying enemy goes after a hostage. If the player cannot hit this enemy, the hostage is killed. Game ends when all the hostages have been killed even if this scene is cleared. (Extra care must be taken for this.)

Airport In this scene, the number of the hostages rescued in the concentration camp appear. These hostages can be rescued by letting them board the plane. If all of them are killed, game ends even if this scene is cleared.

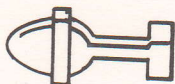
- Enemies shoot at the player after flashing. If hit, the player is damaged, Enemy knives, hand grenades and rockets can be destroyed by hitting them before they reach the lower part of the screen.

• Main items

Magazine When getting this item, 30 bullets are added. (One bullet is automatically supplied if the number of bullets reaches zero.)



Mortar rocket One mortar is supplied.



Power Drink 5 units of damage are recovered.



These items appear by hitting coconuts, condors, chickens, etc.

- Helicopters can be destroyed with 10 bullets or 1 rocket. Armored motorcars and patrol boats can be destroyed with 5 bullets.
- A scene is cleared when the number of enemies reaches "0".
- Game ends when the damage meter reaches the top, however, 3 units of damage are recovered by clearing 1 scene.
- If 1 hostage (at least) can have been rescued when clearing all scenes, the player can challenge the next round.
- The player also can challenge the next round if the player can clear 1-2 scenes besides the jungle, concentration camp and airport scenes.
- To continue play after loss of life, coins must be added under the time frame shown on the monitor. The game will then pick up where it left off.

OPERATION WOLF CONNECTING DIAGRAM

DIP SWITCH SETTINGS

OPERATION WOLF has been designed with dip switches for operator-adjustable features for maximum earnings in your location. The dip switch chart provided in this manual will allow you to customize the game for your location.

P.C. BOARD & WIRING HARNESS

The P.C. Board sits in the drawer assembly on two tracks that allow it to move up and back for positioning. It is secured in place with two thumb screws. For removal of P.C. Board, disconnect the Wiring Harness by pulling out the Edge Connector Plug located at the right side of the P.C. Board, then remove the two thumb screws, to release the P.C. Board itself. Below are diagrams illustrating the proper wiring sequence.

X CONN.
1 SND. R+
2 SND. R-
3 SND. L+
4
5 SND. L-

H CONN.
1 GND.
2 GND.
3 GND.
4 GND.
5 +5V
6 +5V
7 +5V
8 -5V
9 +13V
10 POST
11 +12V
12 +12V

M CONN.
1 M+
2 M-
3
4 TR 2

T CONN.
SOLDER SIDE
A 1
B 2
C 3
D 4
E 5
F 6
G 7
H 8
I 9
J 10
K 11
L 12
M 13
N 14
P 15
R 16
S 17
T 18
U 19
V 20
W 21
X 22
Y 23
Z 24
AA 25
AB 26
AC 27
AD 28
AE 29
AF 30
AG 31
AH 32
AI 33
AJ 34
AK 35
AL 36
AM 37
AN 38
AO 39
AP 40
AQ 41
AR 42
AS 43
AT 44
AU 45
AV 46
AW 47
AX 48
AY 49
AZ 50
BA 51
BB 52
BC 53
BD 54
BE 55
BF 56
BG 57
BH 58
BI 59
BJ 60
BK 61
BL 62
BM 63
BN 64
BO 65
BP 66
BQ 67
BR 68
BS 69
BT 70
BU 71
BV 72
BW 73
BX 74
BY 75
BZ 76
CA 77
CB 78
CC 79
CD 80
CE 81
CF 82
CG 83
CH 84
CI 85
CJ 86
CK 87
CL 88
CM 89
CN 90
CO 91
CP 92
CQ 93
CR 94
CS 95
CT 96
CU 97
CV 98
CW 99
CX 100
CY 101
CZ 102
DA 103
DB 104
DC 105
DD 106
DE 107
DF 108
DG 109
DH 110
DI 111
DJ 112
DK 113
DL 114
DM 115
DN 116
DO 117
DP 118
DQ 119
DR 120
DS 121
DT 122
DU 123
DV 124
DW 125
DX 126
DY 127
DZ 128
EA 129
EB 130
EC 131
ED 132
EE 133
EF 134
EG 135
EH 136
EI 137
EJ 138
EK 139
EL 140
EM 141
EN 142
EO 143
EP 144
EQ 145
ER 146
ES 147
ET 148
EU 149
EV 150
EW 151
EX 152
EY 153
EZ 154
FA 155
FB 156
FC 157
FD 158
FE 159
FF 160
FG 161
FH 162
FI 163
FJ 164
FK 165
FL 166
FM 167
FN 168
FO 169
FP 170
FQ 171
FR 172
FS 173
FT 174
FU 175
FV 176
FW 177
FX 178
FY 179
FZ 180
GA 181
GB 182
GC 183
GD 184
GE 185
GF 186
GG 187
GH 188
GI 189
GJ 190
GK 191
GL 192
GM 193
GN 194
GO 195
GP 196
GQ 197
GR 198
GS 199
GT 200
GU 201
GV 202
GW 203
GX 204
GY 205
GZ 206
HA 207
HB 208
HC 209
HD 210
HE 211
HF 212
HG 213
HH 214
HI 215
HJ 216
HK 217
HL 218
HM 219
HN 220
HO 221
HP 222
HQ 223
HR 224
HS 225
HT 226
HU 227
HV 228
HW 229
HX 230
HY 231
HZ 232
IA 233
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IN 246
IO 247
IP 248
IQ 249
IR 250
IS 251
IT 252
IU 253
IV 254
IW 255
IX 256
IY 257
IZ 258
JA 259
JB 260
JC 261
JD 262
JE 263
JF 264
JG 265
JH 266
JI 267
JJ 268
JK 269
JL 270
JM 271
JN 272
JO 273
JP 274
JQ 275
JR 276
JS 277
JT 278
JU 279
JV 280
JW 281
JX 282
JY 283
JZ 284
KA 285
KB 286
KC 287
KD 288
KE 289
KF 290
KG 291
KH 292
KI 293
KJ 294
KK 295
KL 296
KM 297
KN 298
KO 299
KP 300
KQ 301
KR 302
KS 303
KT 304
KU 305
KV 306
KW 307
KX 308
KY 309
KZ 310
LA 311
LB 312
LC 313
LD 314
LE 315
LF 316
LG 317
LH 318
LI 319
LJ 320
LK 321
LL 322
LM 323
LN 324
LO 325
LP 326
LQ 327
LR 328
LS 329
LT 330
LU 331
LV 332
LW 333
LX 334
LY 335
LZ 336
MA 337
MB 338
MC 339
MD 340
ME 341
MF 342
MG 343
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MI 345
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ML 348
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NE 367
NF 368
NG 369
NH 370
NI 371
NJ 372
NK 373
NL 374
NM 375
NN 376
NO 377
NP 378
NQ 379
NR 380
NS 381
NT 382
NU 383
NV 384
NW 385
NX 386
NY 387
NZ 388
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OB 390
OC 391
OD 392
OE 393
OF 394
OG 395
OH 396
OI 397
OJ 398
OK 399
OL 400
OM 401
ON 402
OO 403
OP 404
OQ 405
OR 406
OS 407
OT 408
OU 409
OV 410
OW 411
OX 412
OY 413
OZ 414
PA 415
PB 416
PC 417
PD 418
PE 419
PF 420
PG 421
PH 422
PI 423
PJ 424
PK 425
PL 426
PM 427
PN 428
PO 429
PP 430
PQ 431
PR 432
PS 433
PT 434
PU 435
PV 436
PW 437
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PY 439
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QC 443
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QE 445
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QG 447
QH 448
QI 449
QJ 450
QK 451
QL 452
QM 453
QN 454
QO 455
QP 456
QQ 457
QR 458
QS 459
QT 460
QU 461
QV 462
QW 463
QX 464
QY 465
QZ 466
RA 467
RB 468
RC 469
RD 470
RE 471
RF 472
RG 473
RH 474
RI 475
RJ 476
RK 477
RL 478
RM 479
RN 480
RO 481
RP 482
RQ 483
RR 484
RS 485
RT 486
RU 487
RV 488
RW 489
RX 490
RY 491
RZ 492
SA 493
SB 494
SC 495
SD 496
SE 497
SF 498
SG 499
SH 500
SI 501
SJ 502
SK 503
SL 504
SM 505
SN 506
SO 507
SP 508
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SS 511
ST 512
SU 513
SV 514
SW 515
SX 516
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SZ 518
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TD 522
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TG 525
TH 526
TI 527
TJ 528
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TM 531
TN 532
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UJ 554
UK 555
UL 556
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UN 558
UO 559
UP 560
UQ 561
UR 562
US 563
UT 564
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UV 566
UW 567
UX 568
UY 569
UZ 570
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VB 572
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VD 574
VE 575
VF 576
VG 577
VH 578
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VJ 580
VK 581
VL 582
VM 583
VN 584
VO 585
VP 586
VQ 587
VR 588
VS 589
VT 590
VU 591
VV 592
VW 593
VX 594
VY 595
VZ 596
WA 597
WB 598
WC 599
WD 600
WE 601
WF 602
WG 603
WH 604
WI 605
WJ 606
WK 607
WL 608
WM 609
WN 610
WO 611
WP 612
WQ 613
WR 614
WS 615
WT 616
WU 617
WV 618
WW 619
WX 620
WY 621
WZ 622
XA 623
XB 624
XC 625
XD 626
XE 627
XF 628
XG 629
XH 630
XI 631
XJ 632
XK 633
XL 634
XM 635
XN 636
XO 637
XP 638
XQ 639
XR 640
XS 641
XT 642
XU 643
XV 644
XW 645
XX 646
XY 647
XZ 648
YA 649
YB 650
YC 651
YD 652
YE 653
YF 654
YG 655
YH 656
YI 657
YJ 658
YK 659
YL 660
YM 661
YN 662
YO 663
YP 664
YQ 665
YR 666
YS 667
YT 668
YU 669
YV 670
YW 671
YX 672
YZ 673
ZA 674
ZB 675
ZC 676
ZD 677
ZE 678
ZF 679
ZG 680
ZH 681
ZI 682
ZJ 683
ZK 684
ZL 685
ZM 686
ZN 687
ZO 688
ZP 689
ZQ 690
ZR 691
ZS 692
ZT 693
ZU 694
ZV 695
ZW 696
ZX 697
ZY 698
ZZ 699

G CONN.
SOLDER SIDE
A 1
B 2
C 3
D 4
E 5
F 6
G 7
H 8
I 9
J 10
K 11
L 12
M 13
N 14
P 15
R 16
S 17
T 18
U 19
V 20
W 21
X 22
Y 23
Z 24
AA 25
AB 26
AC 27

OPERATION WOLF DIP SWITCH SETTINGS

DIP SWITCH 1

		1	2	3	4	5	6	7	8
NOT USED		ON							
CONTINUE MODE	WITHOUT WITH	OFF ON							
TEST MODE	NORMAL TEST MODE	OFF ON							
DEMO SOUND	WITH WITHOUT	OFF ON							
COIN PRICING	1 COIN-1 PLAY					OFF	OFF		
	1 COIN-2 PLAY					ON	OFF		
COIN SLOT A	2 COIN-1 PLAY					OFF	ON		
	2 COIN-3 PLAY					ON	ON		
COIN PRICING	1 COIN-1 PLAY							OFF	OFF
	1 COIN-2 PLAY							ON	OFF
COIN SLOT B	2 COIN-1 PLAY							OFF	ON
	2 COIN-3 PLAY							ON	ON

DIP SWITCH 2

		1	2	3	4	5	6	7	8
DIFFICULTY	B A C D	OFF ON OFF ON	OFF OFF ON ON						
NOS. OF MAGAZINE	6 7 5 4			OFF ON OFF ON	OFF OFF ON ON				
NOT USE						OFF ON OFF ON	OFF OFF ON ON		
DISCOUNT PLAY WHEN CONTINUING	WITHOUT WITH							OFF ON	
INSTRUCTION	JAPANESE ENGLISH								OFF ON

FACTORY SETTINGS:	1	2	3	4	5	6	7	8
SWITCH BANK (A)	ON	ON	OFF	OFF	OFF	ON	OFF	ON
SWITCH BANK (B)	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON

GUN ASSY

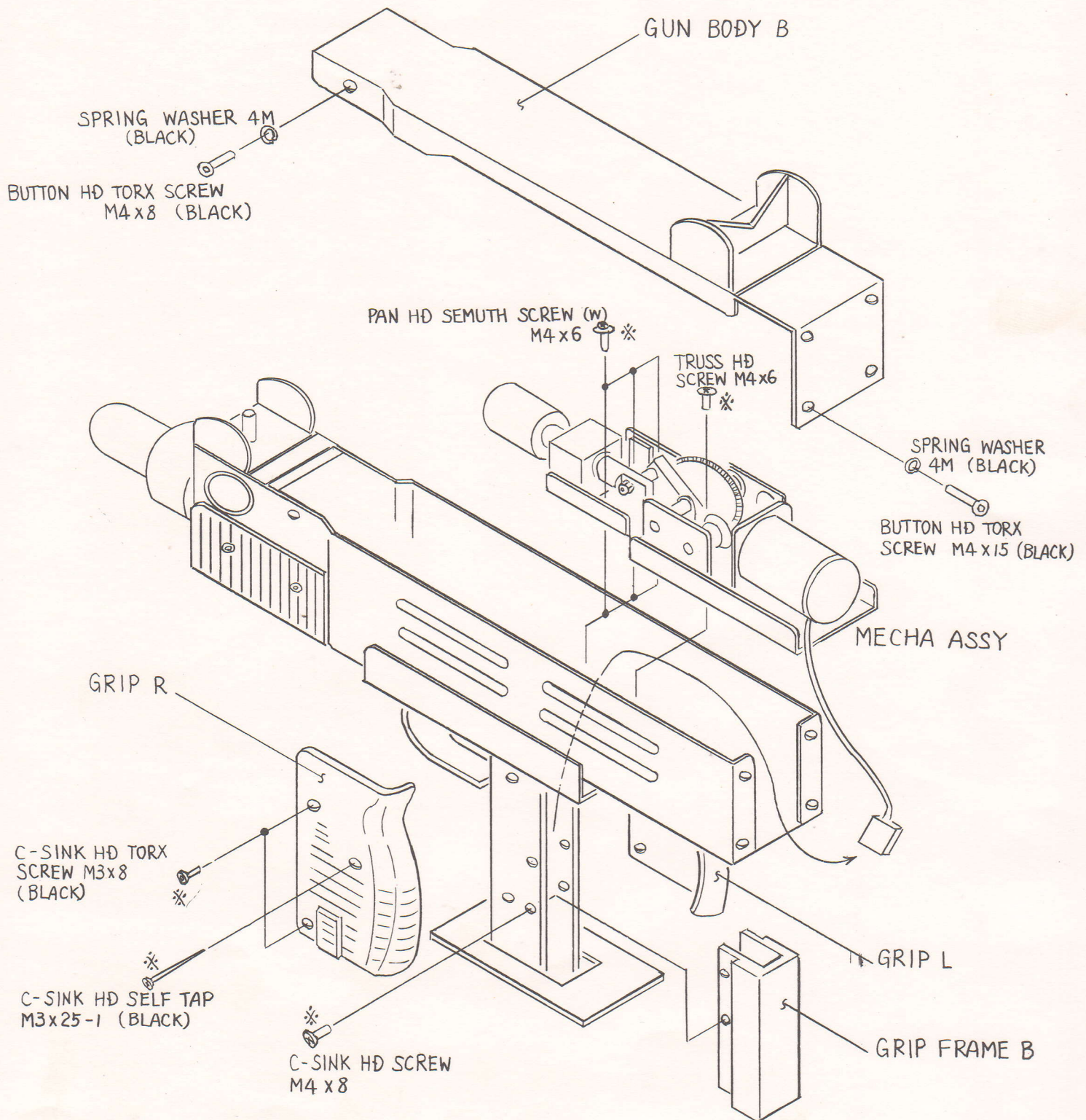


fig.1 REMOVE MECHA ASSY

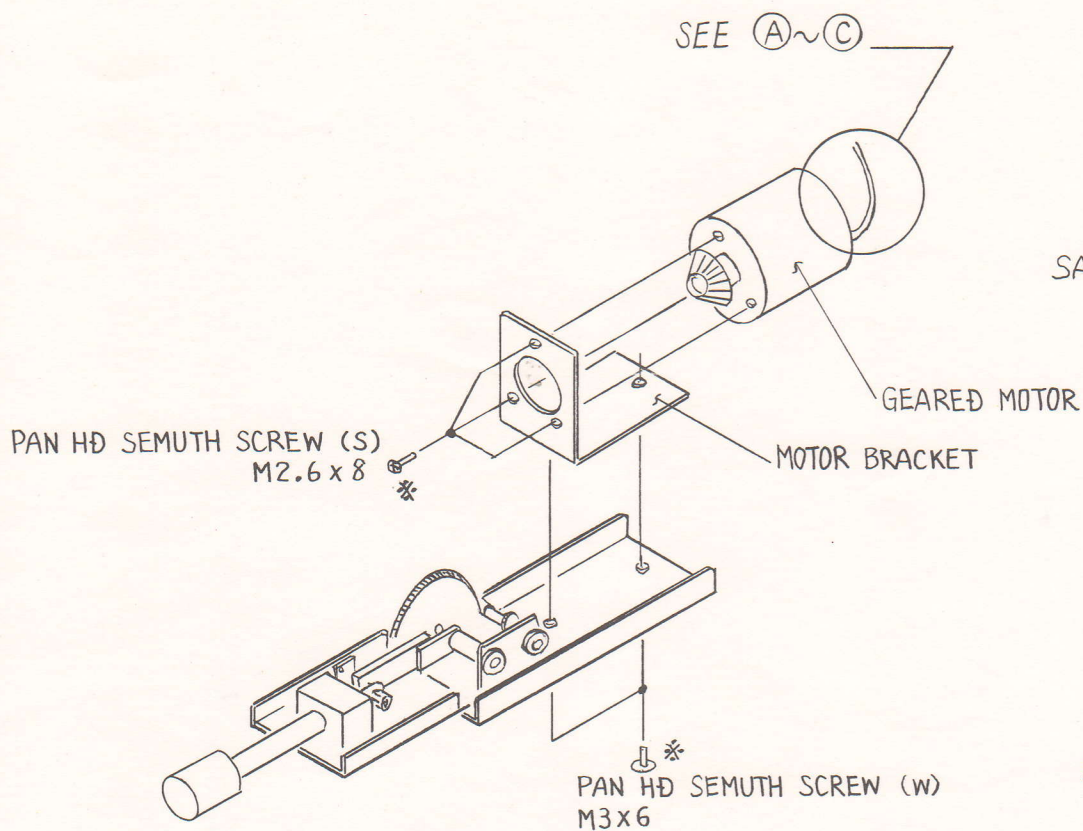
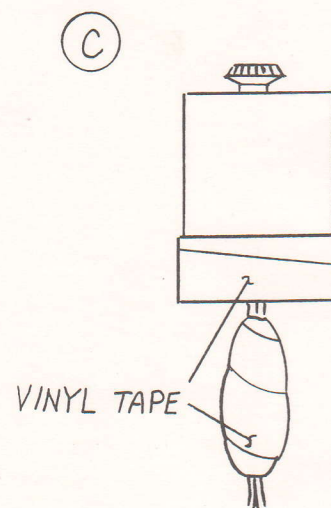
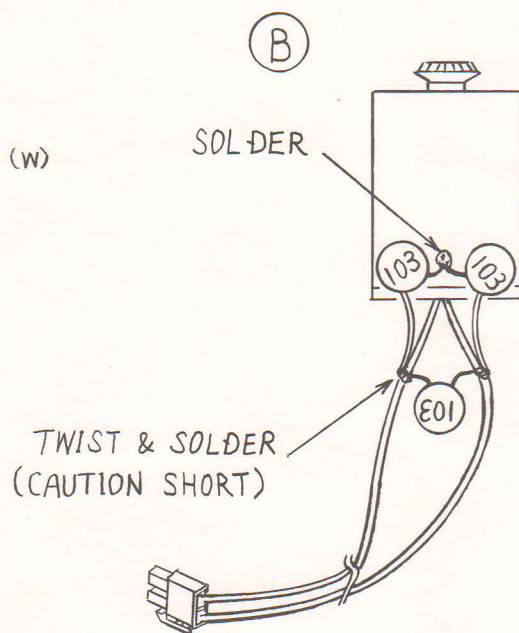
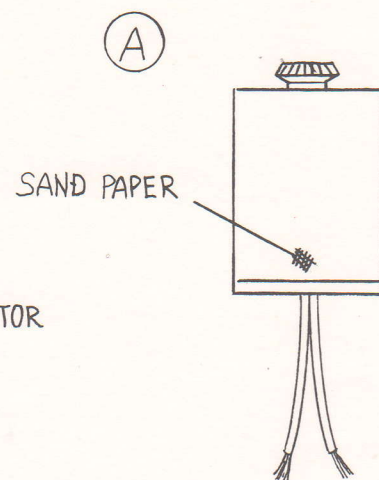


fig. 2 REMOVE GEARED MOTOR

NOTES MARK * ; USE LOCKTITE
MARK ☆ ; GREASE UP



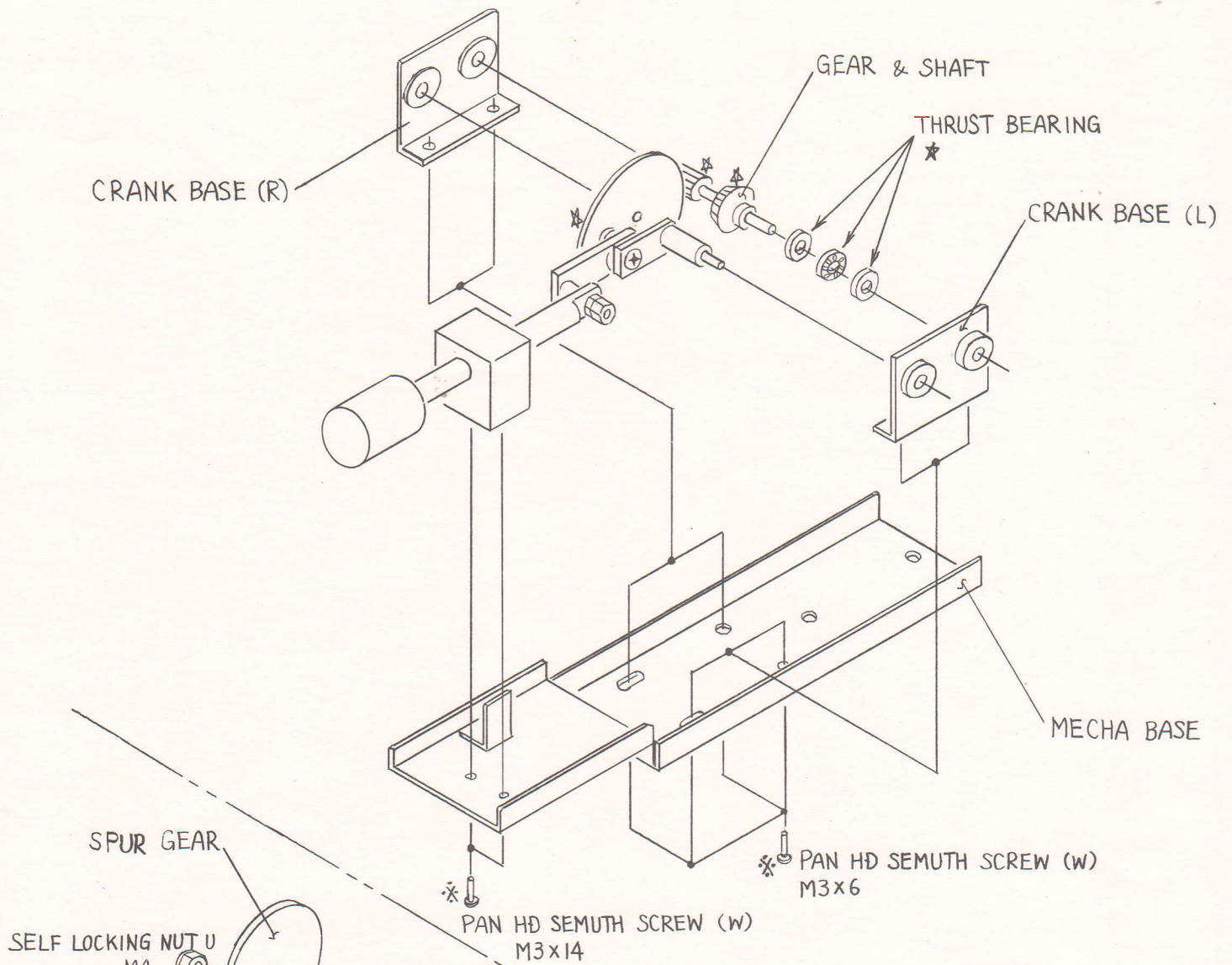


fig. 3

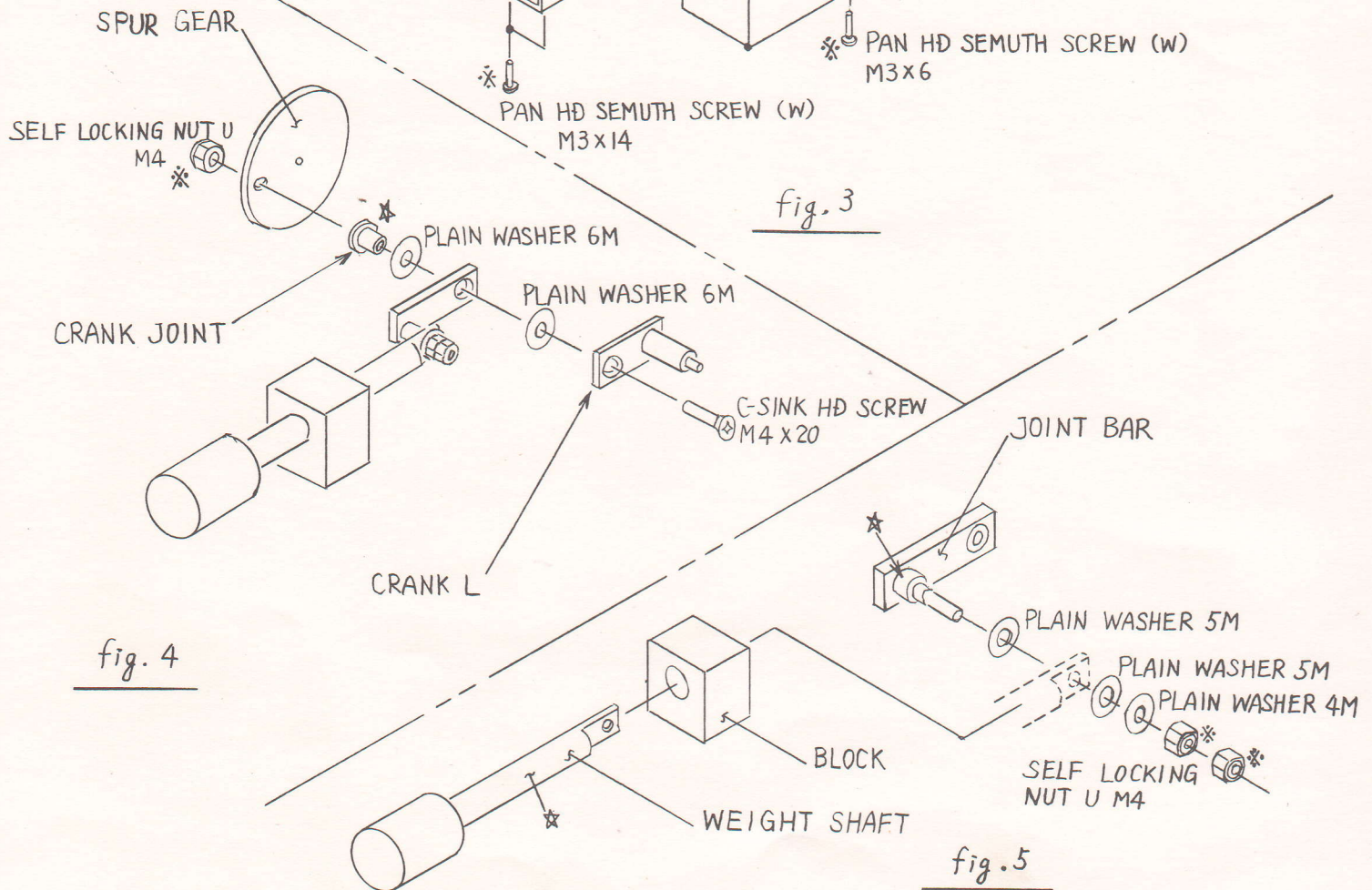
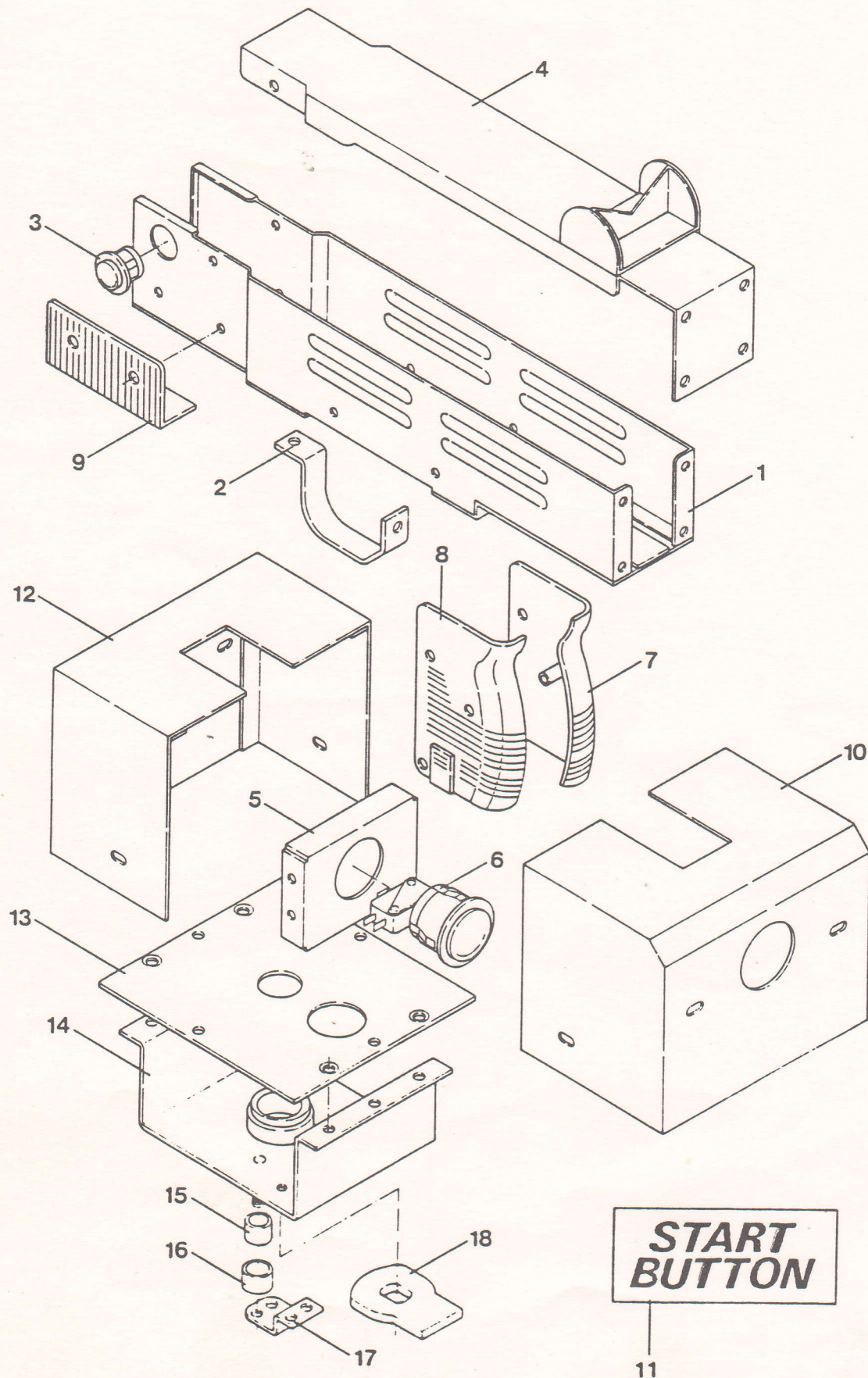


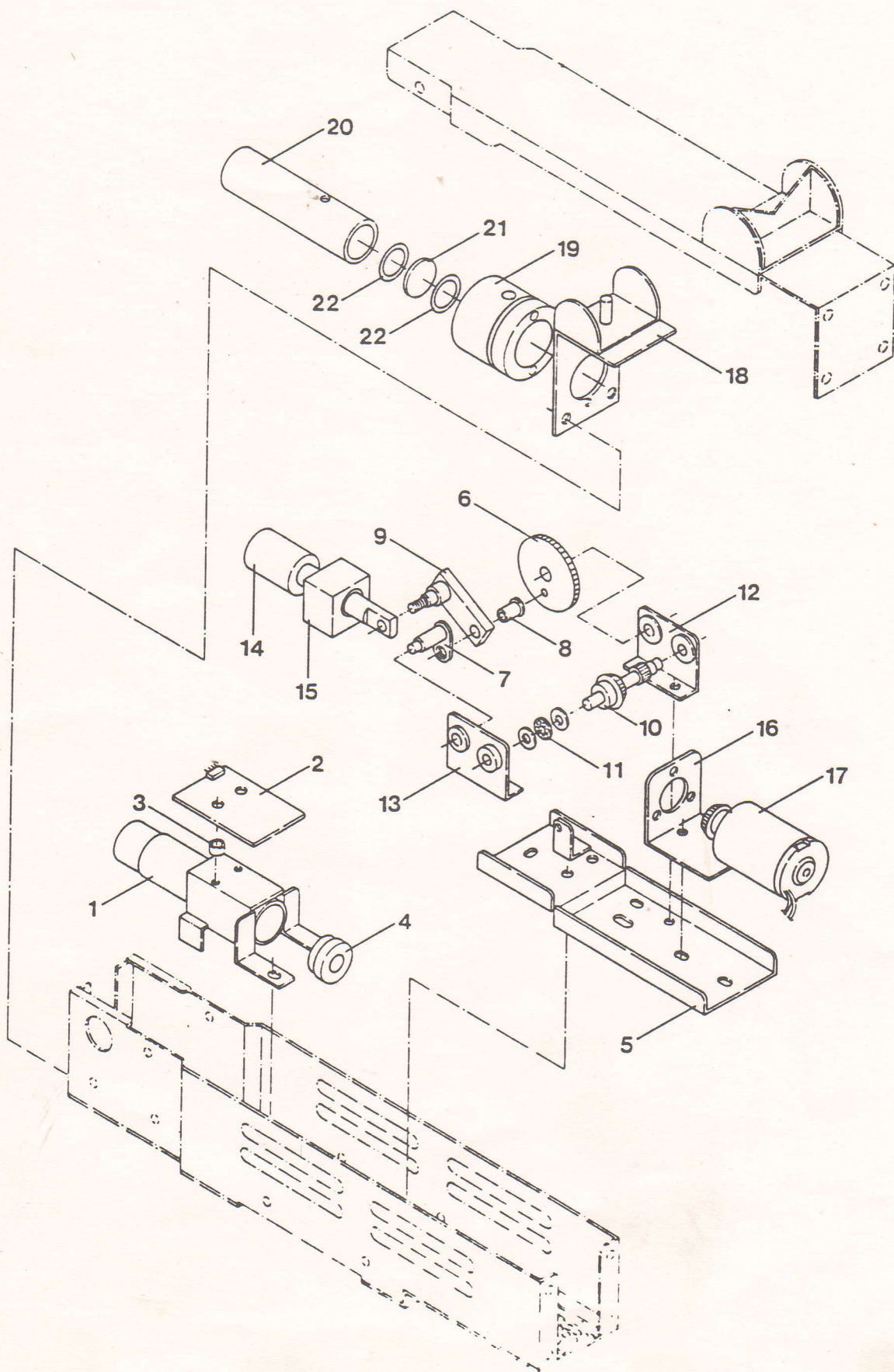
fig. 4

fig. 5

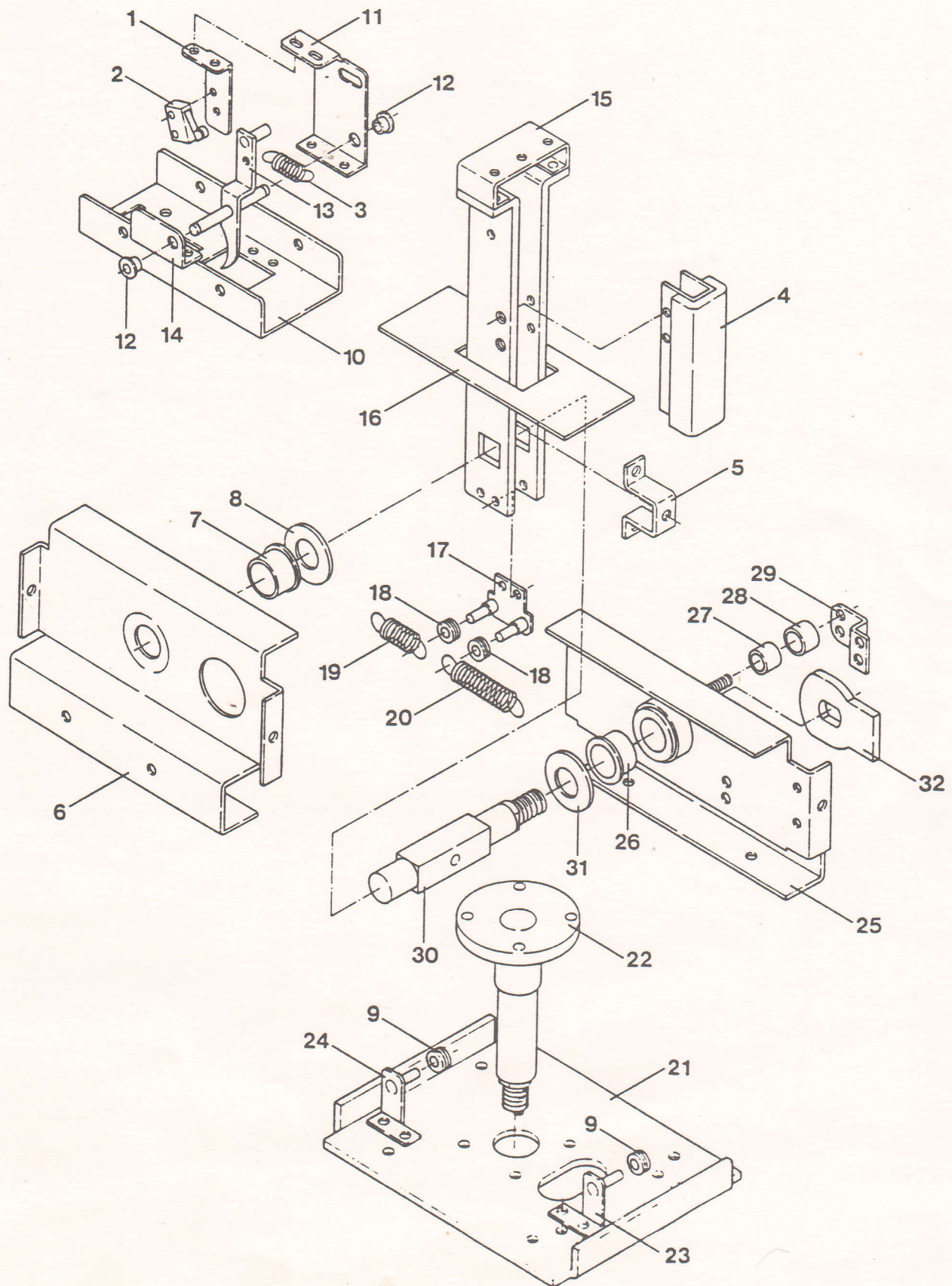
GUN ASSY



GUN ASSY



GUN ASSY



HOW TO REPLACE THE GUN ASSEMBLY

- STEP 1 Remove the connectors of both 6 P and 9 P.
- STEP 2 Remove the self locking nut M12, Spring washer 12M, Plain washer 12M, and Cam B from bottom of the Main shaft. (Refer to Drawing #1)
- STEP 3 Gun assembly can now be removed from the control panel by lifting up and out.
- STEP 4 The installation of the new Gun assembly can now take place by reversing steps 1 through 3. When installing, make sure the Main shaft of Gun assembly is carefully put into Gun base. The Bush pressed into Gun base assembly (B) may be taken off, which means Gun assembly will not be firmly fixed. (Refer to Drawing #2)
- STEP 5 If you need to change the Gun base assembly (B), refer to Drawing #3.

FIG 1.GUN ASSEMBLY LOCKING PARTS

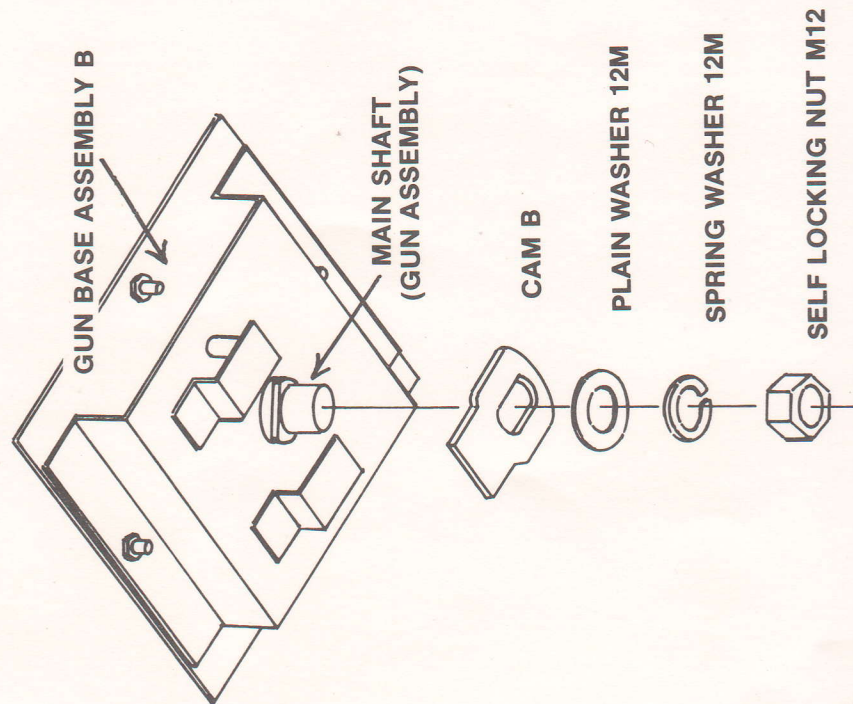


FIG 2.PRESS FITTED OILES BUSH

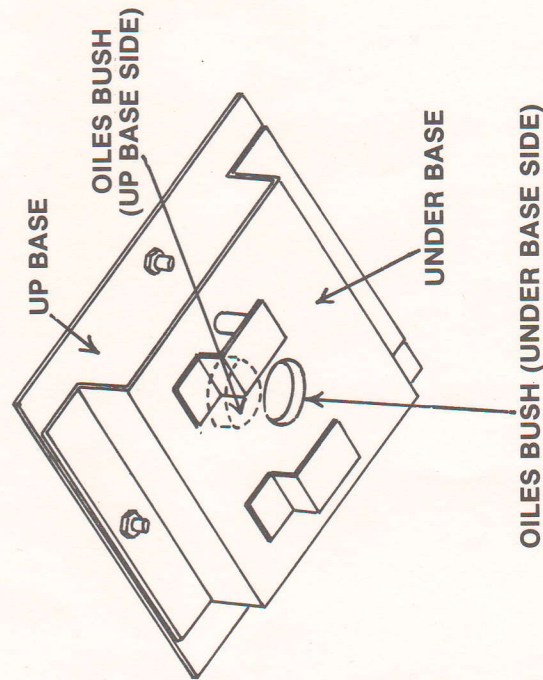
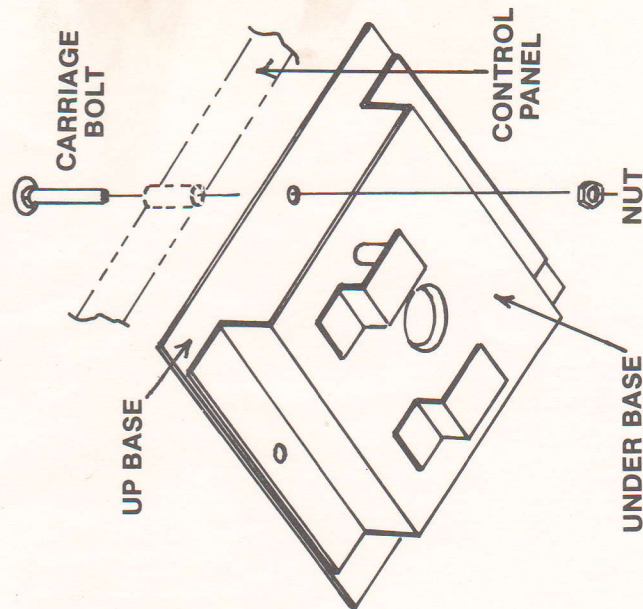
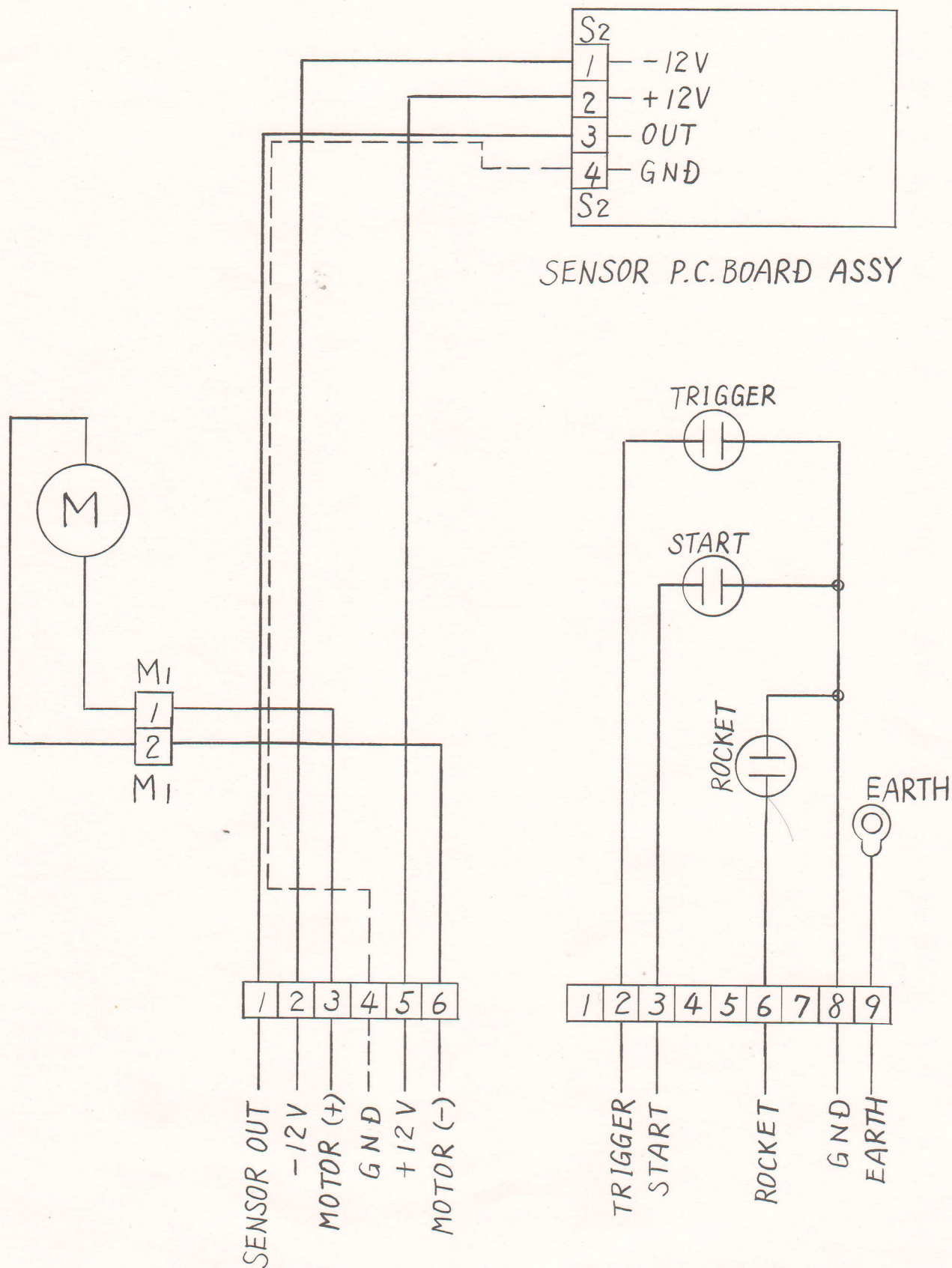
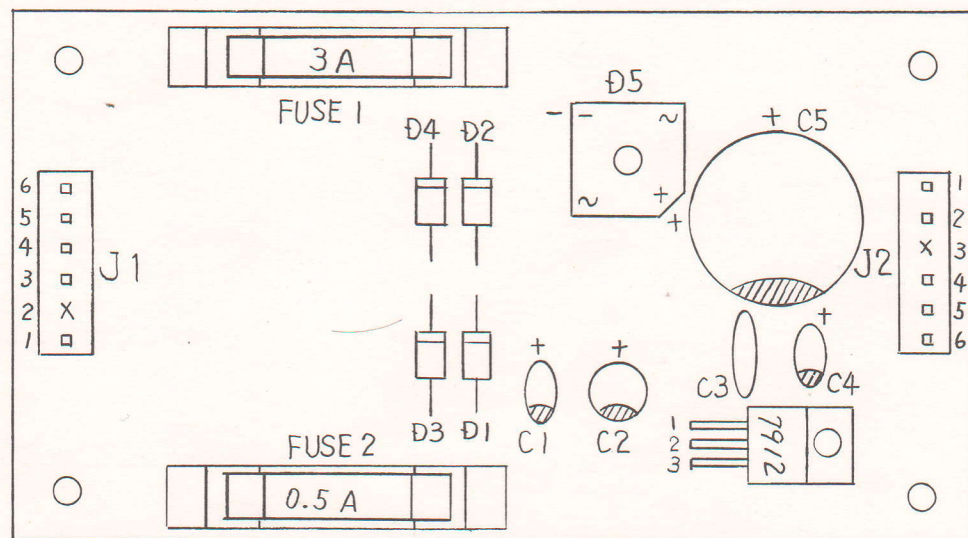
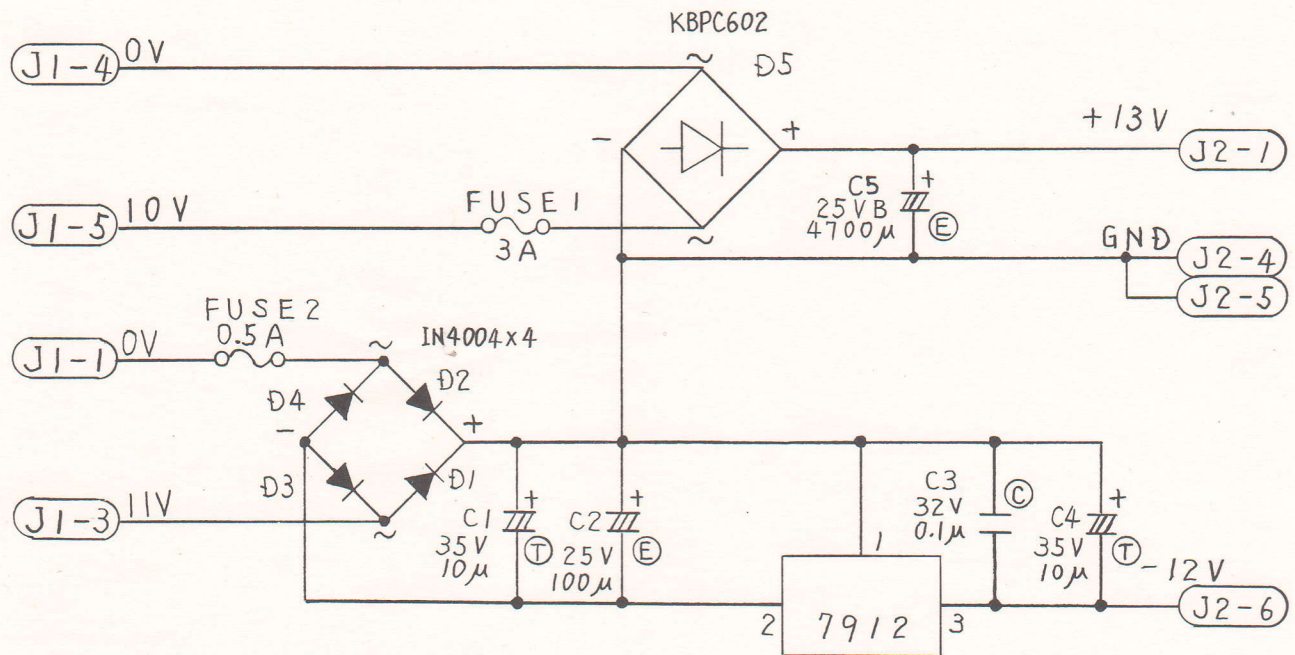


FIG 3.GUN BASE ASSEMBLY (B) LOCKING PARTS



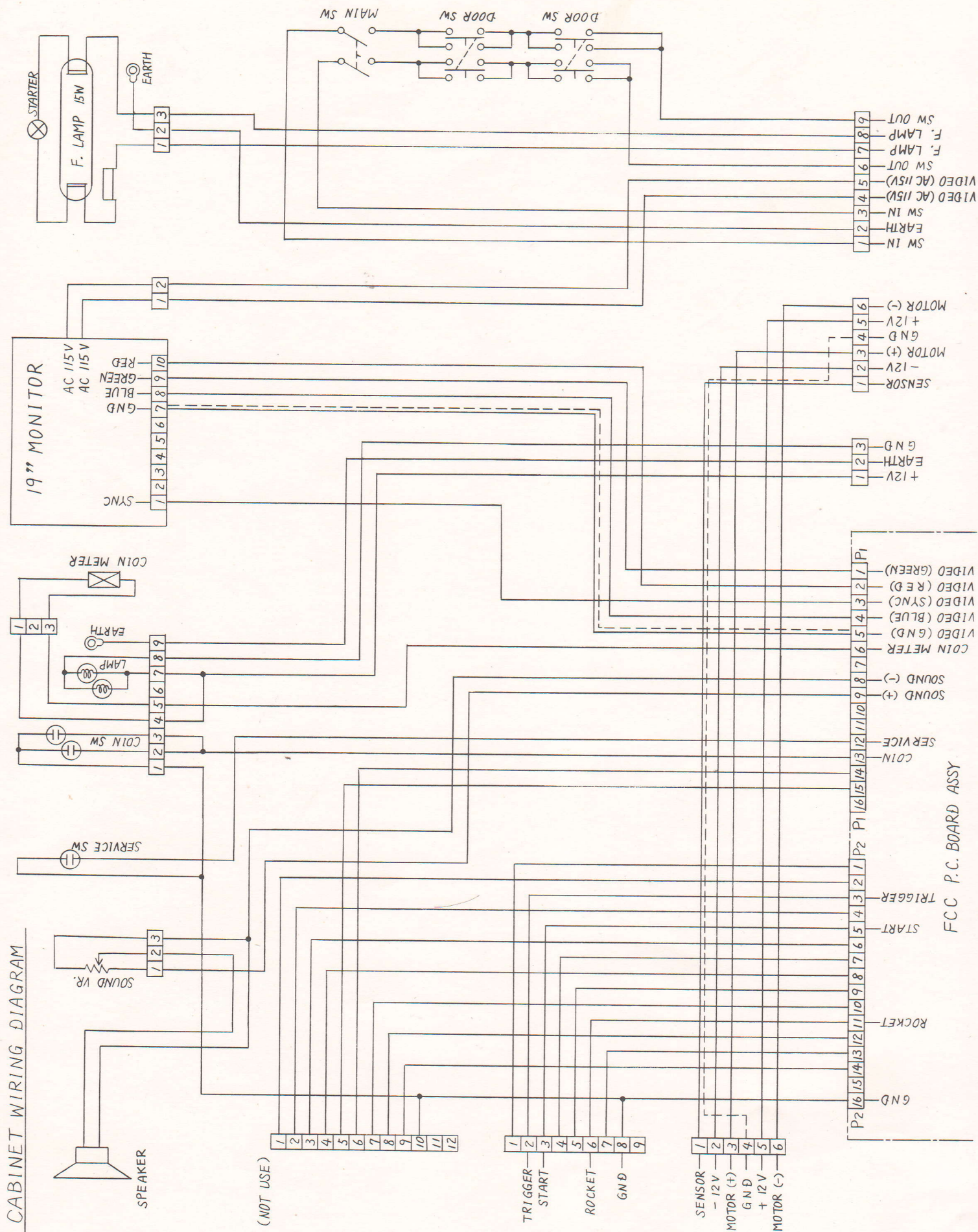


GUN ASSY WIRING DIAGRAM

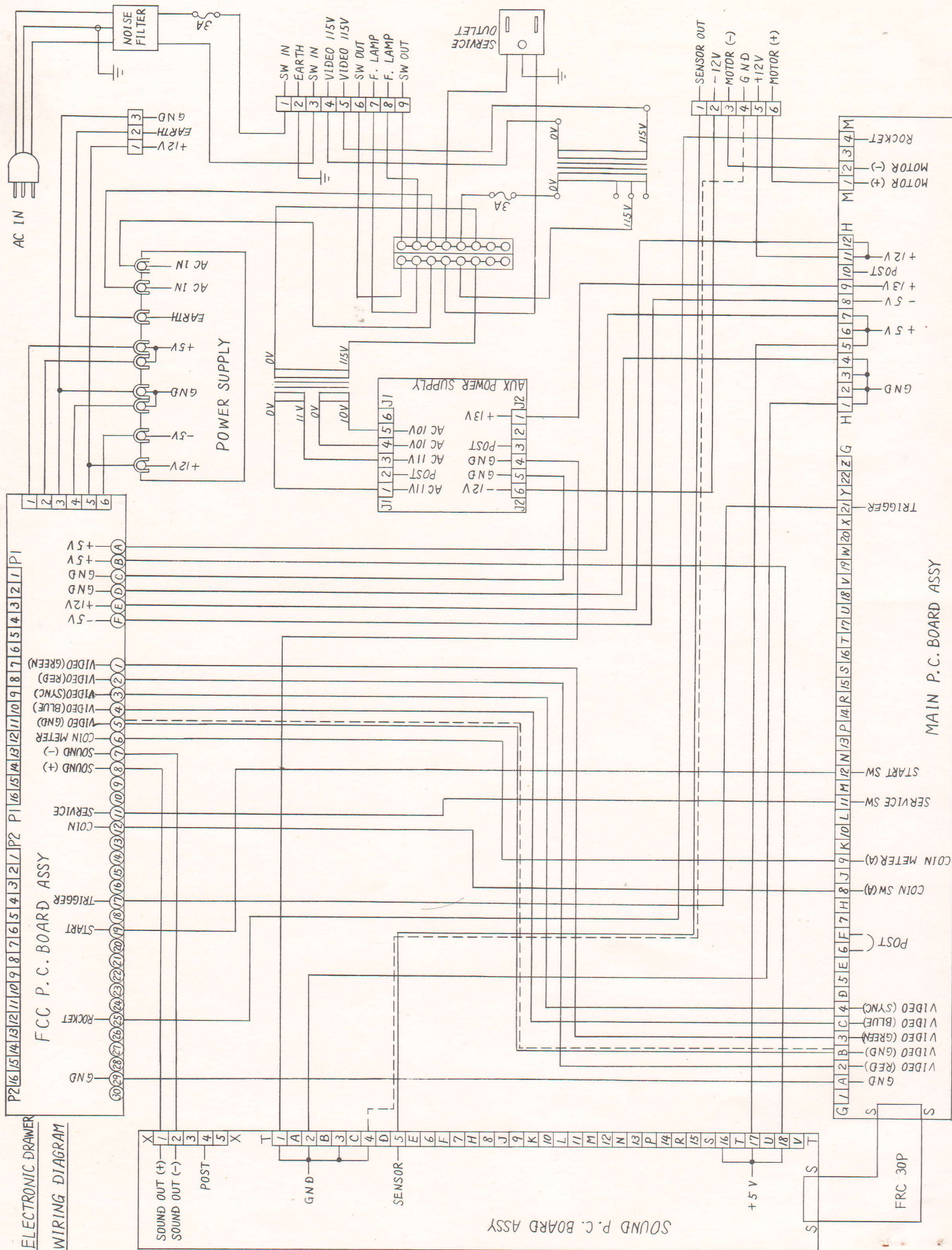


AUX POWER SUPPLY SCHEMATIC DIAGRAM

CABINET WIRING DIAGRAM



WIRING DIAGRAM





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Telephone (312) 520-9280 Telex 253290