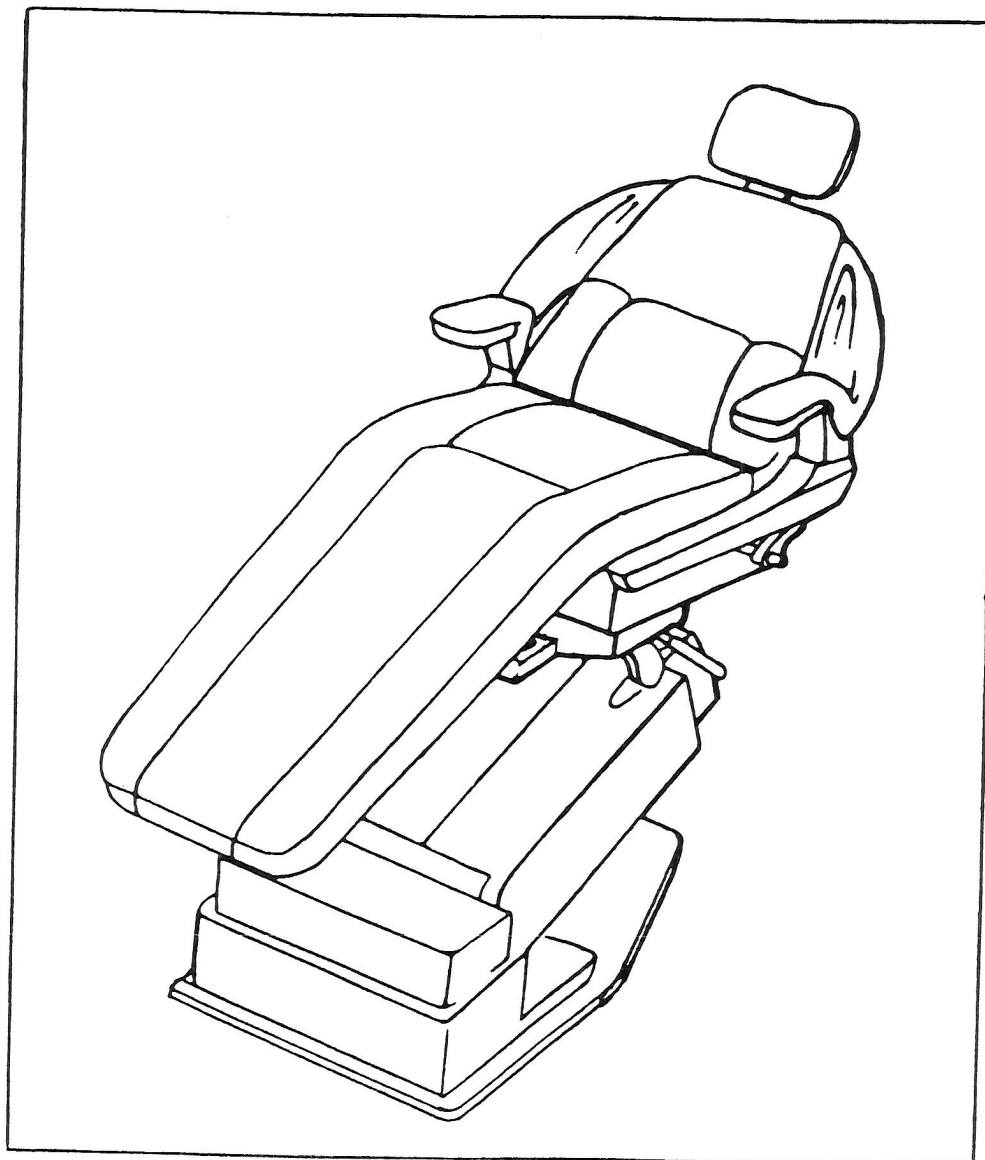


## X-CALIBUR DENTAL CHAIR



**BEL-10**  
**(Bel-20)**  
**PARTS**



**BELMONT EQUIPMENT CORPORATION**

101 Belmont Drive, Somerset, NJ 08873

(732) 469-5000 Fax (800) 280-7504

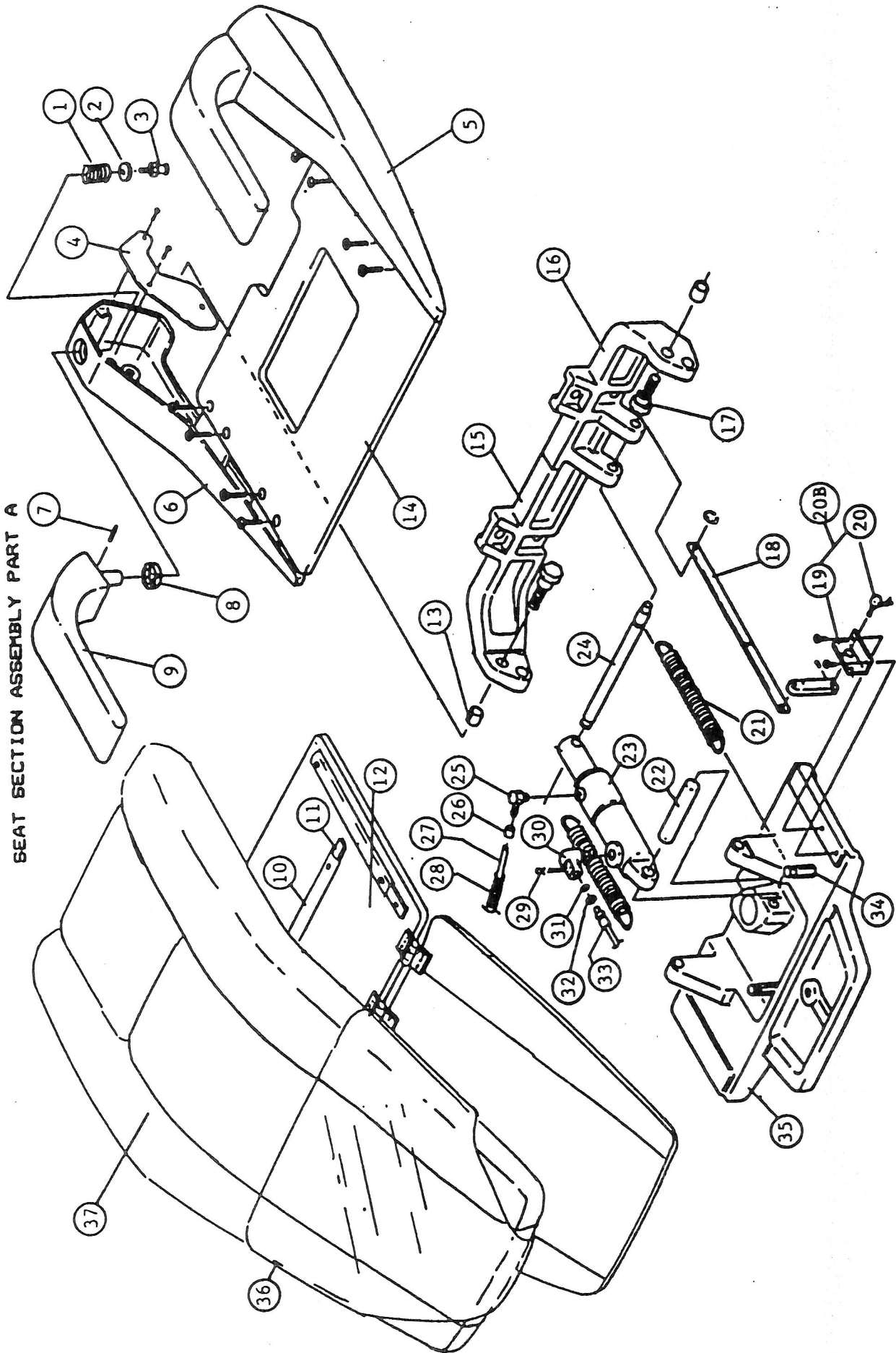
Toll Free (800) 223-1192

MODELS, PRICES, AND SPECIFICATONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

## SEAT SECTION ASSEMBLY PART A

| INDEX NO. | PART NO.     | DESCRIPTION                     |
|-----------|--------------|---------------------------------|
| 1-3       | B10- Q3506   | ARMREST SPRING, WASHER, SCREW   |
| 1         | B10- Q3505   | ARMREST SPRING                  |
| 2         | B10- Q3503   | ARMREST WASHER                  |
| 3         | B10- U3919   | MISC. SCREW (ARMREST)           |
| 4         | B10- J3684   | RUBBER SIDE COVER               |
| 5         | B10- L3608   | SIDE FRAME LEFT                 |
| 6         | B10- L3607   | SIDE FRAME RIGHT                |
| 7         | B10- Q3586   | ARMREST PIN                     |
| 8         | B10- G0048   | ARMREST CAM (180 DEGREES)       |
| 9         | B10- M3532B  | ARMREST ASS"Y W/PIN (BLACK)     |
|           | B10- M3532G  | ARMREST ASS"Y W/PIN (GREY)      |
| 10        | B10- X6795   | VELCRO STRIP                    |
| 11        | B10- J3685   | VELCRO PLATE (LONG)             |
| 12        | B10- 503907B | SEAT PLATE ASSEMBLY (BLACK)     |
|           | B10- 503907W | SEAT PLATE ASSEMBLY (WHITE)     |
| 13        | B10- X2707   | BUSHING                         |
| 14        | B10- H3824   | SEAT PLATE                      |
| 15        | B10- K3873   | BACK SUPPORT (RIGHT)            |
| 16        | B10- K3874   | BACK SUPPORT (LEFT)             |
| 17        | B10- U3533   | TAPERED BOLT                    |
| 18        | B10- 503906  | RECLINE LINK COMPLETE           |
| 19        | B10- J3682   | POTENTIOMETER BRACKET           |
| 20        | B10- 503730  | POTENTIOMETER                   |
| 20B       | B10- 503904  | RECLINE POTENTIOMETER ASSEMBLY  |
| 21        | B10- T3692   | SPRING                          |
| 22        | B10- U3526   | CYLINDER PIN (FRONT)            |
| 23        | B10- 503721  | RECLINE CYLINDER COMPLETE       |
|           | B10- 599000  | O-RING KIT FOR RECLINE CYLINDER |
| 24        | B10- T3965   | CYLINDER PIN (REAR)             |
| 25        | B10- Q3300   | ELBOW                           |
| 26        | B10- X5514   | CLAMPING SLEEVE                 |
| 27        | B10- X5513   | RETURN HOSE                     |
| 28        | B10- Q9917   | PROTECTIVE SPRING               |
| 29        | B10- Q6237   | U-CLIP                          |
| 30        | B10- T1027   | ELBOW                           |
| 31        | B10- F3470   | O-RING                          |
| 32        | B10- Q6241   | BRASS RING                      |
| 33        | B10- U5035   | HIGH PRESSURE HOSE (1400 mm)    |
| 34        | B10- U3524   | SPRING STUD                     |
| 35        | B10- H3728   | ROTATION FLANGE                 |
| 36        | SEE PG. 13   | LEGREST PROTECTOR FOR BEL-10    |
| 37        | SEE PG. 13   | SEAT CUHSION FOR BEL-10         |

# SEAT SECTION ASSEMBLY PART A

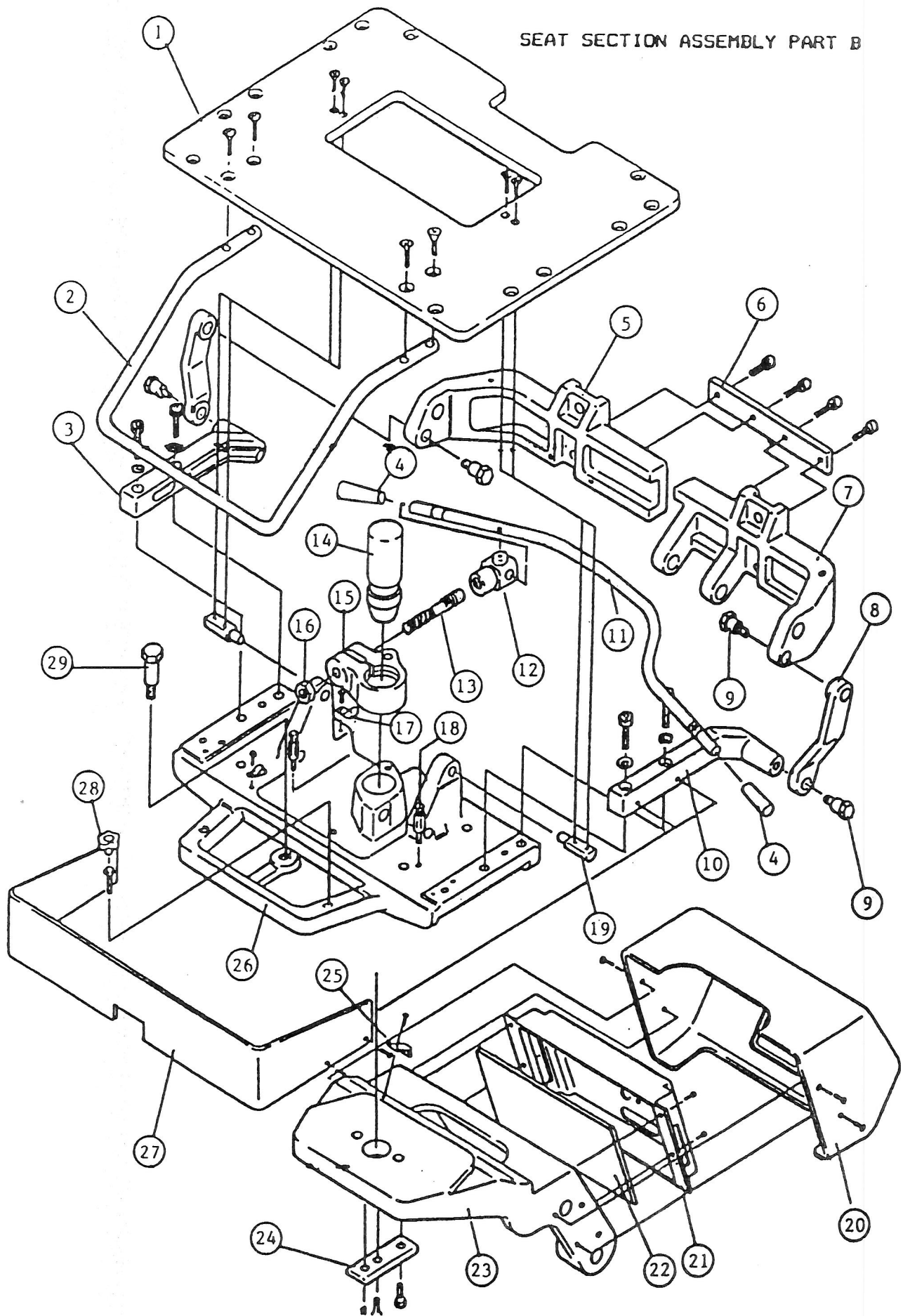


## SEAT SECTION ASSEMBLY PART B

| INDEX NO. | PART NO.  | DESCRIPTION                 |
|-----------|-----------|-----------------------------|
| 1         | B10-H3824 | SEAT PLATE                  |
| 2         | B10-M3581 | FOOTREST SUPPORT BAR        |
| 3         | B10-J3680 | LINK ANCHOR (RIGHT)         |
| 4         | B10-G0050 | GRIP                        |
| 5         | B10-K3873 | BACKREST SUPPORT (RIGHT)    |
| 6         | B10-T3976 | ATTACHMENT PLATE            |
| 7         | B10-K3874 | BACKREST SUPPORT (LEFT)     |
| 8         | B10-T3964 | RECLINE LINK                |
| 9         | B10-R1186 | LINK PIN                    |
| 10        | B10-J3681 | LINK ANCHOR (LEFT)          |
| 11        | B10-K3496 | ROTATION LEVER              |
| 12        | B10-U3539 | NUT                         |
| 13        | B10-F6104 | LOCK SHAFT                  |
| 14        | B10-U3521 | ROTATION SHAFT              |
| 15        | B10-E6017 | CLAMPING BODY (LOCK)        |
| 16        | B10-U2102 | LEFT HAND NUT               |
| 17        | B10-Q3113 | WIRE CLIP                   |
| 18        | B10-U3524 | SPRING STUD                 |
| 19        | B10-U3525 | TILT PIN                    |
| 20        | B10-L3606 | FLANGE COVER (WHITE)        |
| 21        | B10-M3961 | CIRCUIT BOARD COVER (WHITE) |
| 22        | B10-X6519 | LOGIC P.C. BOARD            |
| 23        | B10-B3846 | FLANGE                      |
| 24        | B10-U3522 | SHAFT FIXING PLATE          |
| 25        | B10-U3809 | CLIP                        |
| 26        | B10-H3728 | DOME CASTING                |
| 27        | B10-M3962 | SIDE COVER (WHITE)          |
| 28        | B10-X5779 | LOCK KNOB                   |
| 29        | B10-U3531 | UNIT SWIVEL PIN (OPTIONAL)  |



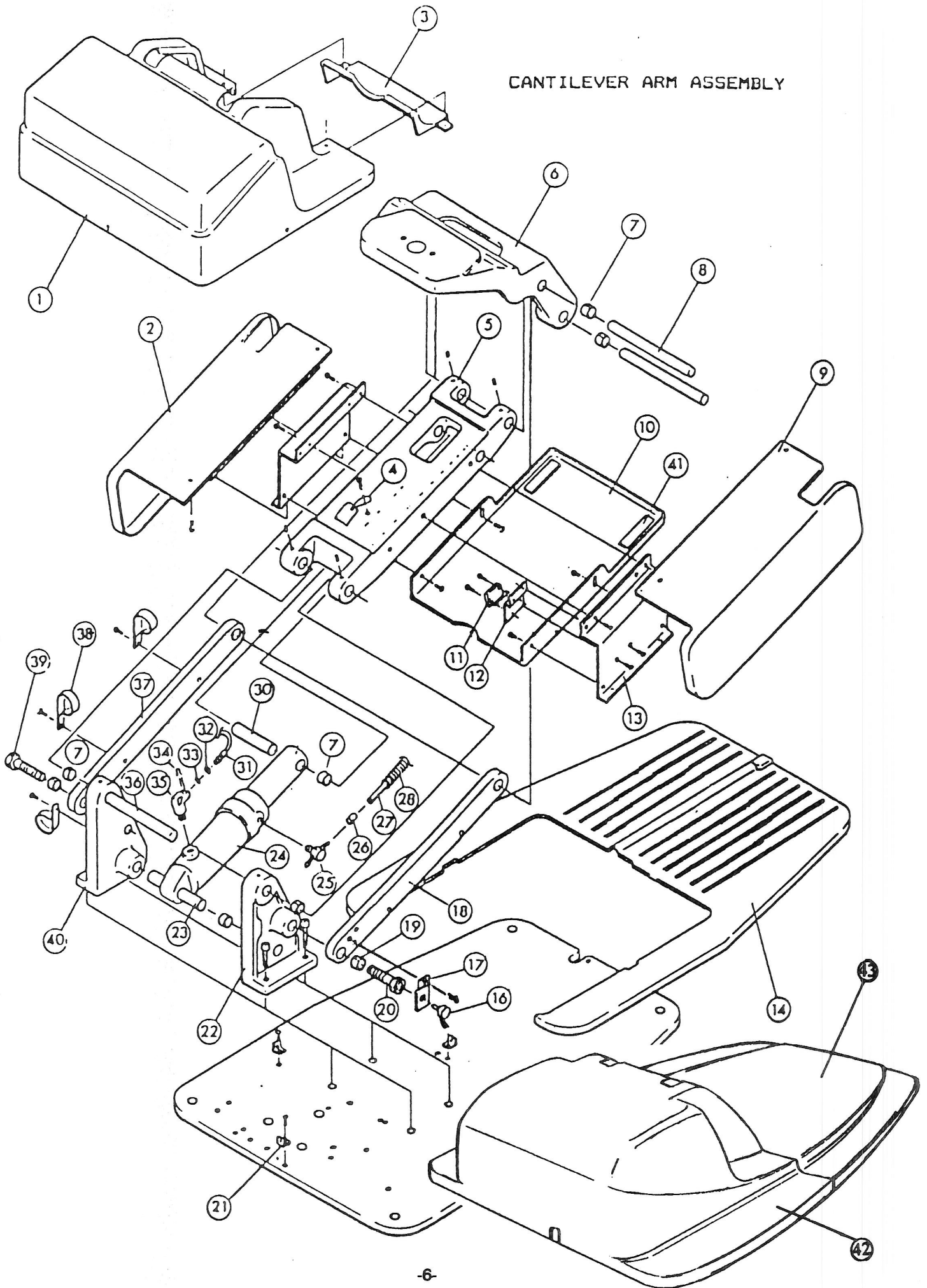
SEAT SECTION ASSEMBLY PART B



## CANTILEVER ARM ASSEMBLY

| INDEX NO. | PART NO.     | DESCRIPTION                           |
|-----------|--------------|---------------------------------------|
| 1         | B10-H3076    | PUMP COVER (WHITE)                    |
| 2         | B10-H3077    | LINK COVER RIGHT (WHITE)              |
| 3         | B10-K3495    | PUMP COVER REAR (WHITE)               |
| 4         | B10-X0285    | SHIPPING BOLT                         |
| 5         | B10-B3452    | MAIN LINK                             |
| 6         | B10-B3846    | FLANGE                                |
| 7         | B10-X6340    | BUSHING                               |
| 8         | B10-P3441    | LINK PIN (UPPER)                      |
| 9         | B10-H3078    | LINK COVER LEFT (WHITE)               |
| 10        | B10-503908B  | SAFETY PLATE W/BUMPER (BLACK)         |
|           | B10-503908W  | SAFETY PLATE W/O BUMPER (WHITE)       |
| 11        | B10-X6313    | SWITCH                                |
| 12        | B10-T3427    | SWITCH BRACKET                        |
| 13        | B10-T3426    | SAFETY PLATE SUPPORT FRAME            |
| 14        | B10-A3099B   | BASE MAT (RUBBER) BLACK               |
|           | B10-A3099G   | BASE MAT (RUBBER) GREY                |
| 15        | B10-A3098    | BASE PLATE                            |
| 16        | B10-503905   | POTENTIOMETER W/WIRE & BRACKET F/BASE |
| 17        | B10-U3330    | POTENTIOMETER BRACKET                 |
| 18        | B10-T3429    | SUB LINK (LEFT)                       |
| 19        | B10-X4321    | BUSHING                               |
| 20        | B10-U3331    | SUB LINK SHAFT (LEFT)                 |
| 21        | B10-R3461    | PUMP COVER BRACKET                    |
| 22        | B10-K3182    | BASE LINK (LEFT)                      |
| 23        | B10-P3439    | CYLINDER PIN (LOWER)                  |
| 24        | B10-503720   | BASE CYLINDER COMPLETE                |
|           | B10-599000   | O-RING KIT FOR CYLINDER               |
| 25        | B10-Q3585    | TEE                                   |
| 26        | B10-X5514    | CLAMPING SLEEVE                       |
| 27        | B10-X5513    | OVERFLOW HOSE (1280 mm)               |
| 28        | B10-Q9917    | PROTECTIVE SPRING                     |
| 30        | B10-R3195    | CYLINDER PIN (UPPER)                  |
| 31        | B10-D3176    | HIGH PRESSURE HOSE (520 mm)           |
| 32        | B10-Q6241    | BRASS RING                            |
| 33        | B10-F3470    | O-RING                                |
| 34        | B10-Q6237    | U-CLIP                                |
| 35        | B10-T1027    | ELBOW                                 |
| 36        | B10-P3440    | LINK PIN (LOWER)                      |
| 37        | B10-P3443    | SUBLINK (RIGHT)                       |
| 38        | B10-X5043    | NYLON CLAMP                           |
| 39        | B10-R3196    | SUBLINK SHAFT (RIGHT)                 |
| 40        | B10-K3181    | LINK BRACKET (RIGHT)                  |
| 41        | B10-U3332    | SAFETY PLATE BUMPER (SEPARATE)        |
| 42        | B10-HAPE05A0 | NEW PUMP COVER (WHITE)                |
| 43        | B10-HAPE08A0 | NEW PLASTIC BASE COVER (WHITE)        |
|           | B10-503909   | BASE & LINK COVER SET (WHITE)         |
|           | B10-503910   | BASE & LINK COVER SET (BLACK)         |

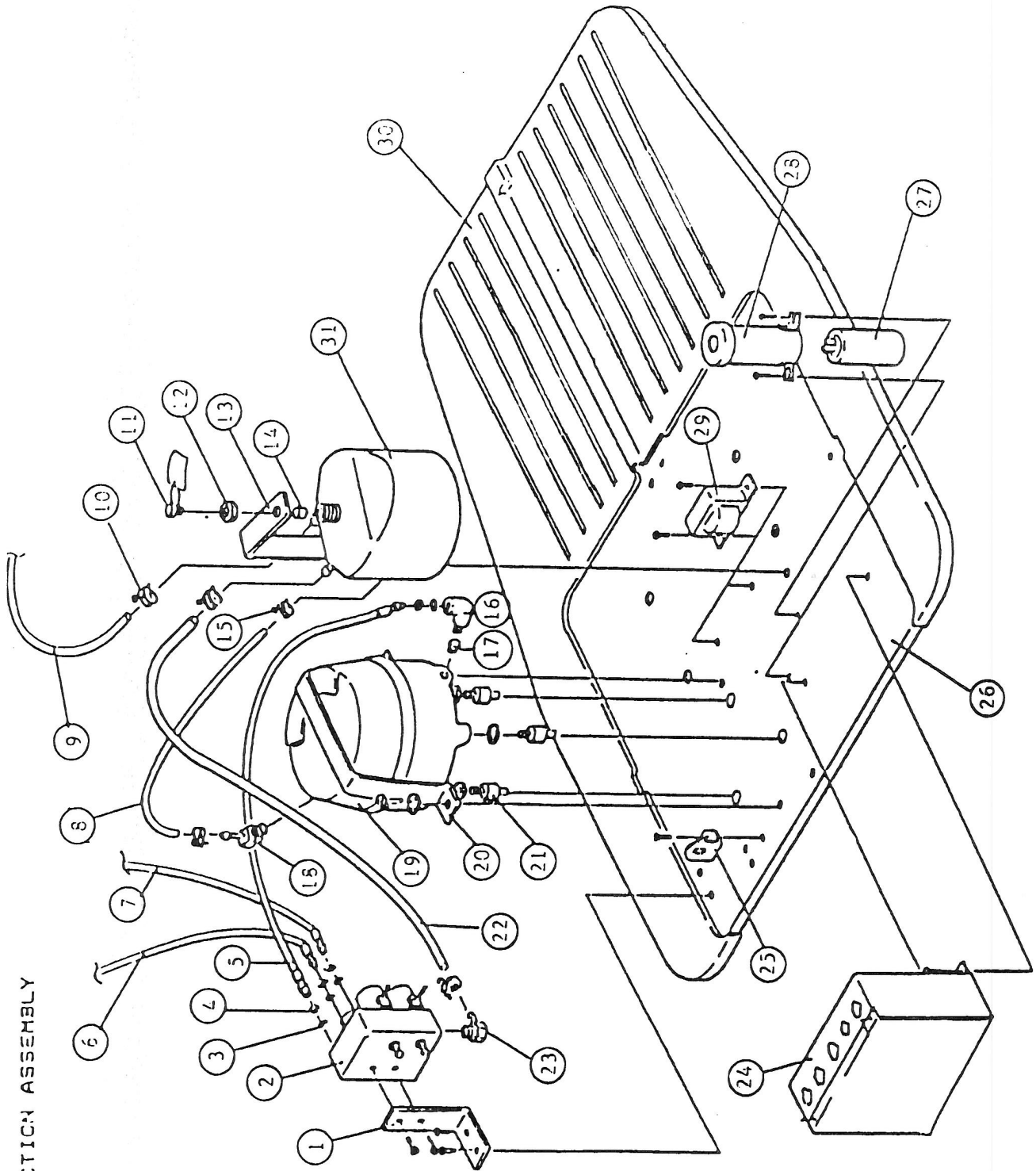
# CANTILEVER ARM ASSEMBLY



## BASE SECTION ASSEMBLY

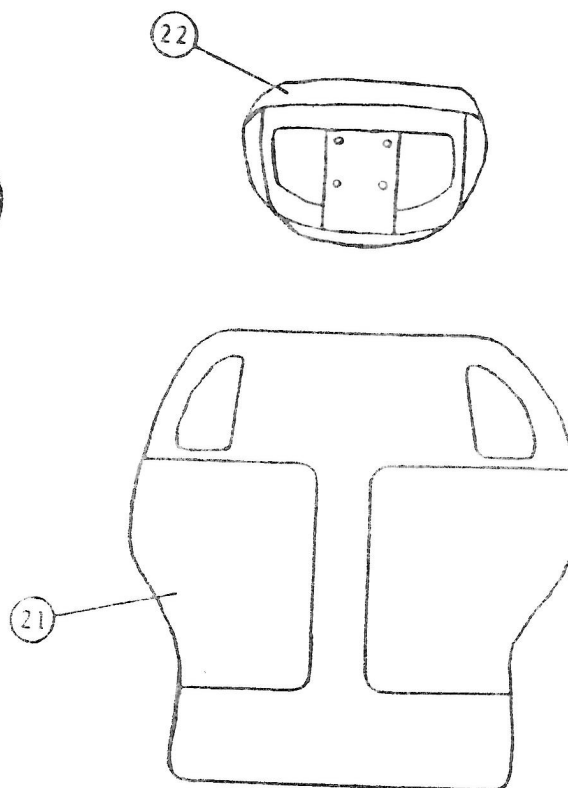
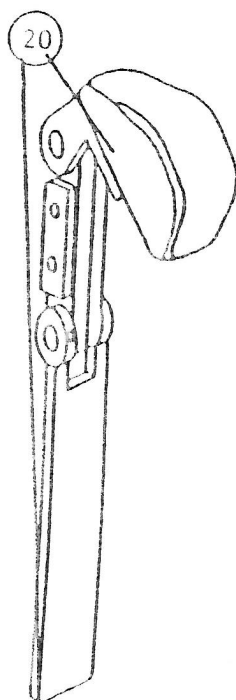
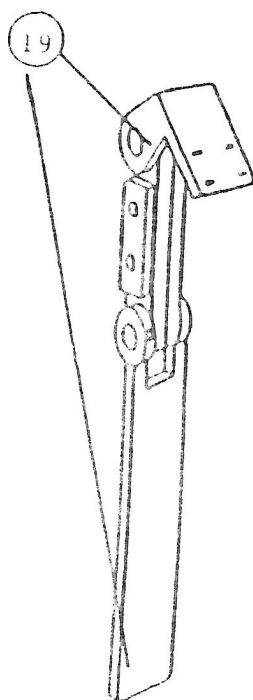
| INDEX NO. | PART NO.    | DESCRIPTION                     |
|-----------|-------------|---------------------------------|
| 1         | B10- G0063  | SUPPORT BRACKET                 |
| 2         | B10- X8083  | SOLENOID VALVE ASSEMBLY         |
| 3         | B10- F3470  | O-RING                          |
| 4         | B10- Q6241  | O-RING RETAINER                 |
| 5         | B10- R3491  | HIGH PRESSURE HOSE (320 mm)     |
| 6         | B10- D3176  | HIGH PRESSURE HOSE (520 mm)     |
| 7         | B10- U5035  | HIGH PRESSURE HOSE (1400 mm)    |
| 8         | B10- Q2279  | LOW PRESSURE HOSE (320 mm)      |
| 9         | B10- X5557  | LOW PRESSURE HOSE               |
| 10        | B10- F2268  | HOSE CLAMP                      |
| 11        | B10- F6170  | OIL CAP                         |
| 12        | B10- Q2069  | NUT                             |
| 13        | B10- Q3252  | OIL RESERVOIR BRACKET           |
| 14        | B10- F6142  | OIL FILTER                      |
| 15        | B10- F2269  | CLAMP                           |
| 16        | B10- T1027  | ELBOW                           |
| 17        | B10- F6133  | STRAINER                        |
| 18        | B10- F2409  | ELBOW                           |
| 19        | B10- D6065  | MOTOR PUMP ASSEMBLY             |
| 20        | B10- Q2247  | MOTOR CLAMP                     |
| 21        | B10- R1214  | MOTOR MOUNT                     |
| 22        | B10- X5557  | LOE PRESSURE HOSE (400 mm)      |
| 23        | B10- Q2438  | ELBOW                           |
| 24        | B10- Z0067  | RELAY BOX ASSEMBLY W/P.C. BOARD |
| 25        | B10- F3190  | WIRE BRACKET                    |
| 26        | B10- A3098  | BASE PLATE                      |
| 27        | B10- X5002  | CAPACITOR                       |
| 28        | B10- E6057  | CAPACITOR COVER                 |
| 29        | B10- X2801  | TRANSFORMER                     |
| 30        | B10- A3099B | BASE MAT (BLACK)                |
|           | B10- A3099G | BASE MAT (GREY)                 |
| 31        | B10- C3244  | RESERVOIR                       |

# BASE SECTION ASSEMBLY

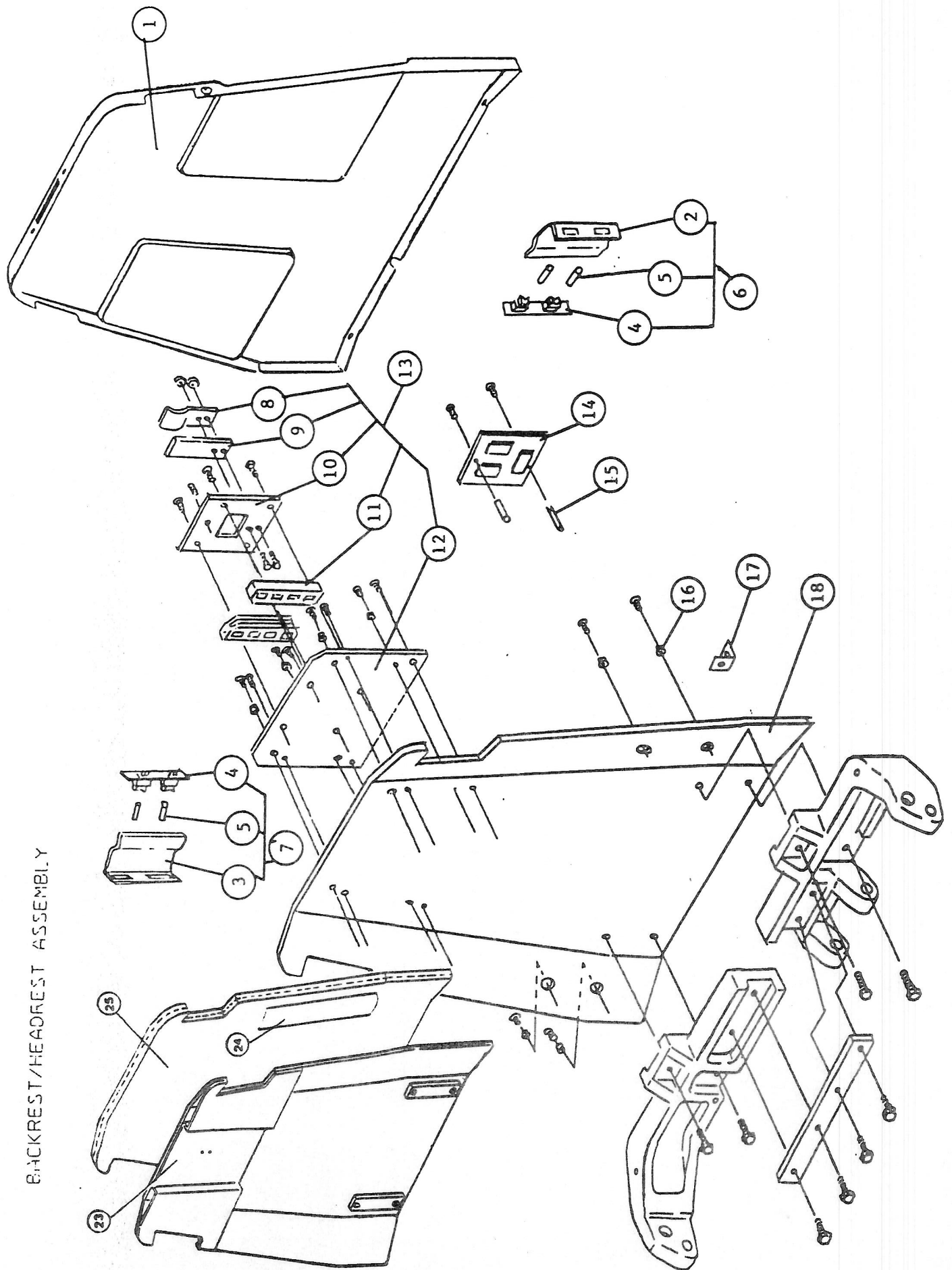


# BACKREST/HEADREST ASSEMBLY

| INDEX NO. | PART NO.    | DESCRIPTION                                |
|-----------|-------------|--------------------------------------------|
| 1         | B10-A3725   | BACKREST FRAME COVER                       |
| 2         | B10-N3704   | SWITCH GUARD LEFT (WHITE)                  |
| 3         | B10-N3703   | SWITCH GUARD RIGHT (WHITE)                 |
| 4         | B10-X6521   | SWITCH BOARD ASSEMBLY                      |
| 5         | B10-X6595   | SPACER FOR SWITCH                          |
| 6         | B10-503902  | BACKREST SWITCH ASSEMBLY (LEFT)            |
| 7         | B10-503901  | BACKREST SWITCH ASSEMBLY (RIGHT)           |
| 8         | B10-S3739   | SPRING BAR                                 |
| 9         | B10-S3740   | RUBBING BLOCK                              |
| 10        | B10-S3738   | SPRING HOLDING PLATE                       |
| 11        | B10-U3534   | HEADREST GUIDES                            |
| 12        | B10-T3974   | HEADREST GUIDE PLATE                       |
| 13        | B10-503903  | HEADREST CUIDE ASSEMBLY                    |
| 14        | B10-X6520   | BACKREST CONNECTING BOARD                  |
| 15        | B10-X6337   | SPACER FOR CONNECTING BOARD                |
| 16        | B10-Y7083   | SNAPS FOR UPHOLSTERY                       |
| 17        | B10-R3246   | ANGLE BRACKET                              |
| 18        | B10-L3605   | BACKREST FRAME                             |
| 19        | B10-350851B | HEADREST COMPLETE W/O CUSHION (BLACK GRIP) |
|           | B10-350851W | HEADREST COMPLETE W/O CUSHION (WHITE GRIP) |
| 20        | B10-350852B | HEADREST COMPLETE W/ CUSHION (BLACK GRIP)  |
|           | B10-350852W | HEADREST COMPLETE W/ CUSHION (WHITE GRIP)  |
| 21        | VFA- A3725  | B/R WHITE PLASTIC FRAME COVER FOR PURITY   |
| 22        | VFA- X6794  | HEADREST WHITE PLASTIC COVER FOR PURITY    |
| 23        | B10-H3829   | BACKREST FRAME COMP. BLACK UPH.            |
| 24        | B10-X6794   | BACKREST VELCRO STRIPS                     |
| 25        | B10-X6780   | BACKREST FRAME UPH.COVER                   |



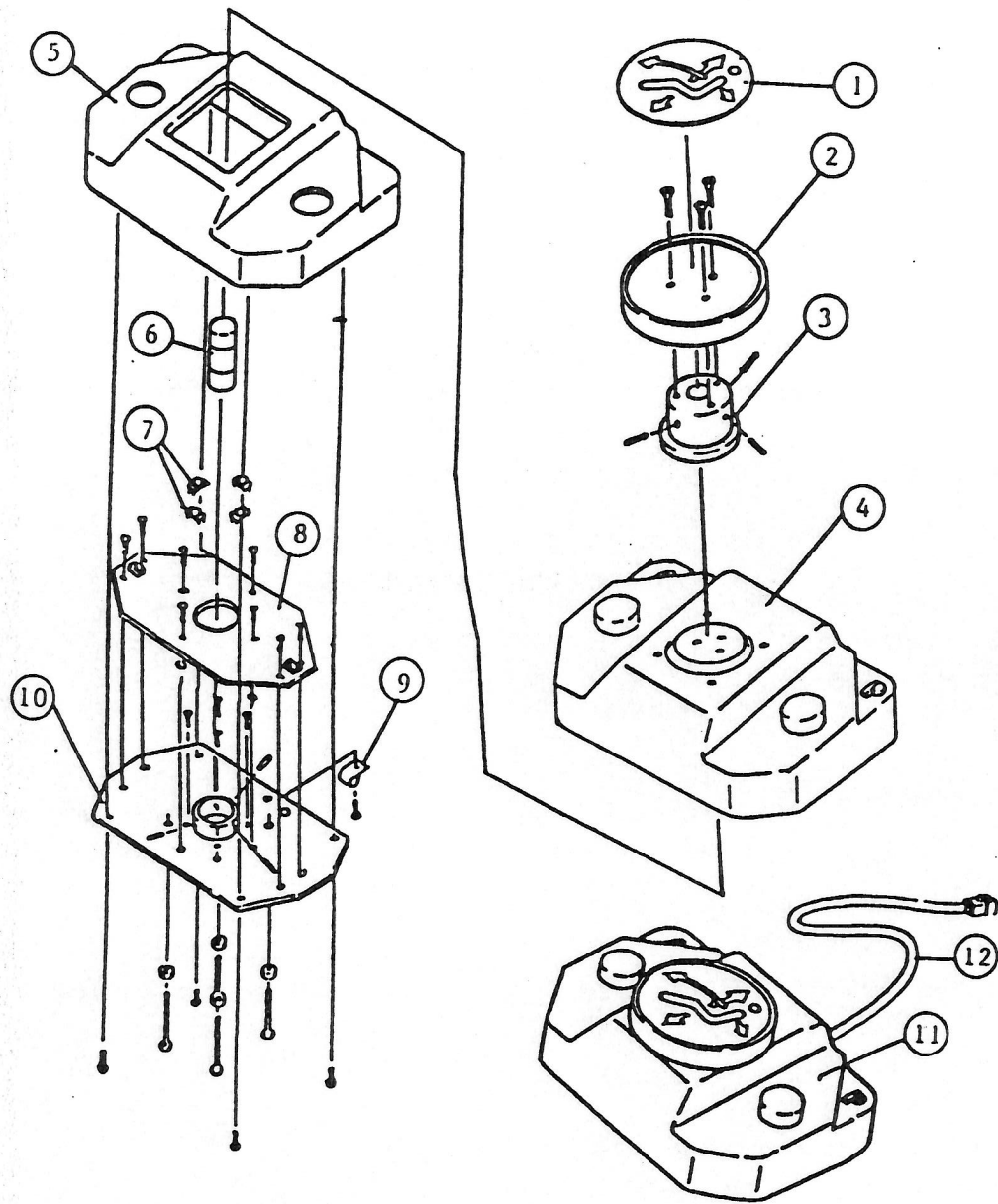
# BACKREST/HEADREST ASSEMBLY



## FOOT CONTROL ASSEMBLY

| INDEX NO. | PART NO.    | DESCRIPTION                        |
|-----------|-------------|------------------------------------|
| 1         | B10-X7322   | LABEL                              |
| 2         | B10-T3271B  | DISC (BLACK)                       |
|           | B10-T3271G  | DISC (GREY)                        |
| 3         | B10-U3135   | CAP                                |
| 4         | B10-K3276B  | RUBBER COVER (BLACK)               |
|           | B10-K3276G  | RUBBER COVER (GREY)                |
| 5         | B10-K3275   | FOOT CONTROL BODDY                 |
| 6         | B10-U3180   | RUBBER SPRING                      |
| 7         | B10-X7325   | SWITCHES                           |
| 8         | B10-X7898   | FOOT CONTROL P.C. BOARD W/SWITCHES |
| 9         | B10-X5052   | NYLON CLAMP                        |
| 10        | B10-K3191   | SWITCH PLATE                       |
| 11        | B10-503780B | FOOT CONTROL COMPLETE (BLACK)      |
|           | B10-503780G | FOOT CONTROL COMPLETE (GREY)       |
| 12        | B10-X7899   | FOOT CONTROL WIRE HARNESS          |

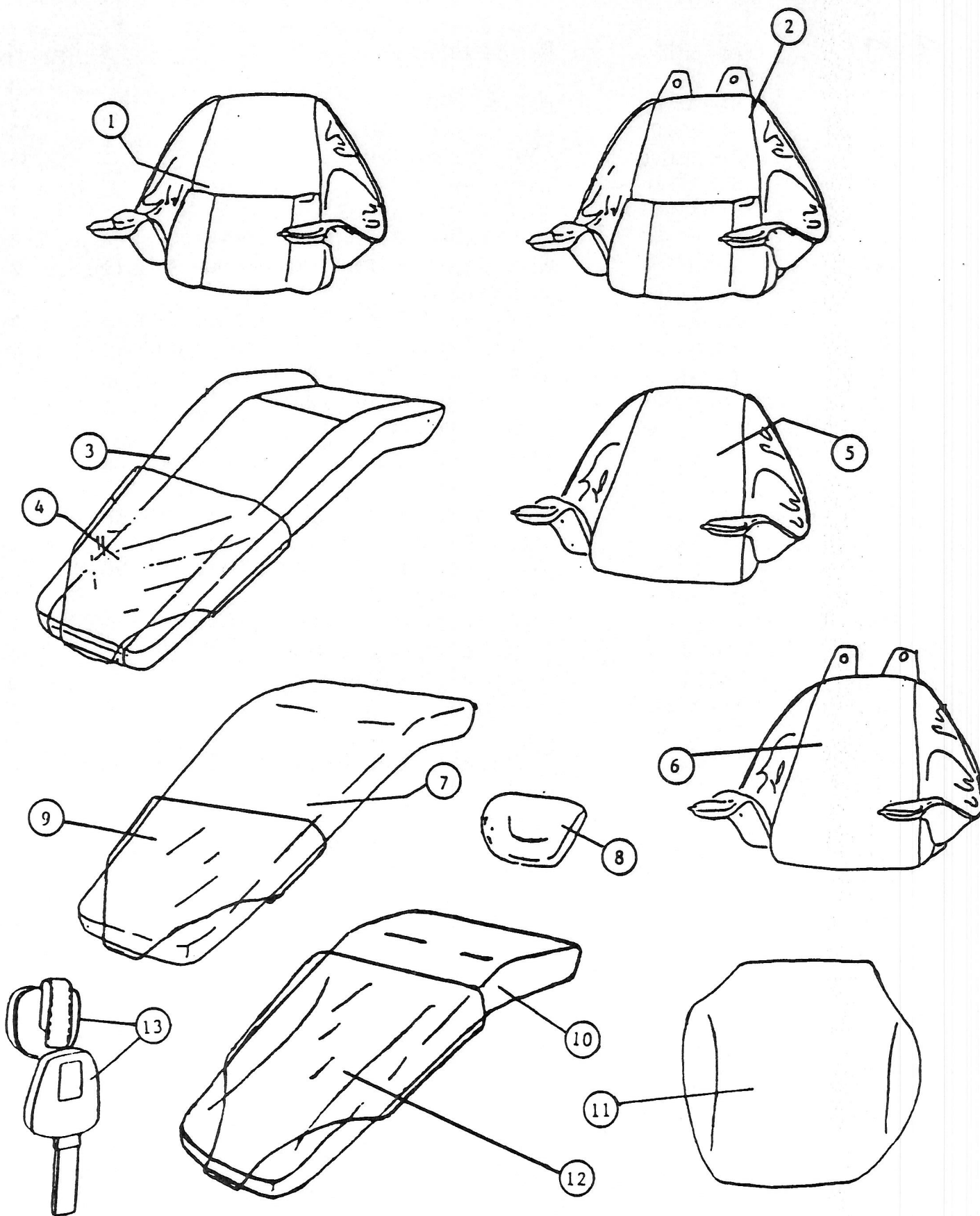




## UPHOLSTERY PARTS SECTION

| INDEX NO. | PART NO.   | DESCRIPTION                              |
|-----------|------------|------------------------------------------|
| 1         | B10- X6792 | BACKREST CUSHION FOR STANDARD            |
| 2         | B10- X6797 | BACKREST CUSHION FOR STANDARD W/SNAPS    |
| 3         | B10- X6791 | SEAT & LEGREST CUSHION FOR STANDARD      |
| 4         | B10- B3643 | LEGREST PROTECTOR FOR STANDARD           |
| 5         | B10- Y7081 | BACKREST CUSHION FOR SEAMLESS            |
| 6         | B10- Y7080 | BACKREST CUSHION FOR SEAMLESS W/SNAPS    |
| 7         | B10- Y7082 | SEAT & LEGREST CUSHION FOR SEAMLESS      |
| 8         | B10- X6793 | HEADREST CUSHION                         |
|           | VFA- X6793 | HEADREST CUSHION FOR PURITY              |
| 9         | B10- B3644 | LEGREST PROTECTOR FOR SEAMLESS           |
| 10        | VFA- X6791 | SEAT & LEGREST CUSHION FOR PURITY        |
| 11        | VFA- X6797 | BACKREST CUSHION FOR PURITY              |
| 12        | VFA- X6795 | LEGREST PROTECTOR FOR PURITY             |
| 13        | B10-40800  | FLAT HEADREST W/DONUT CUSHION FOR BEL-10 |

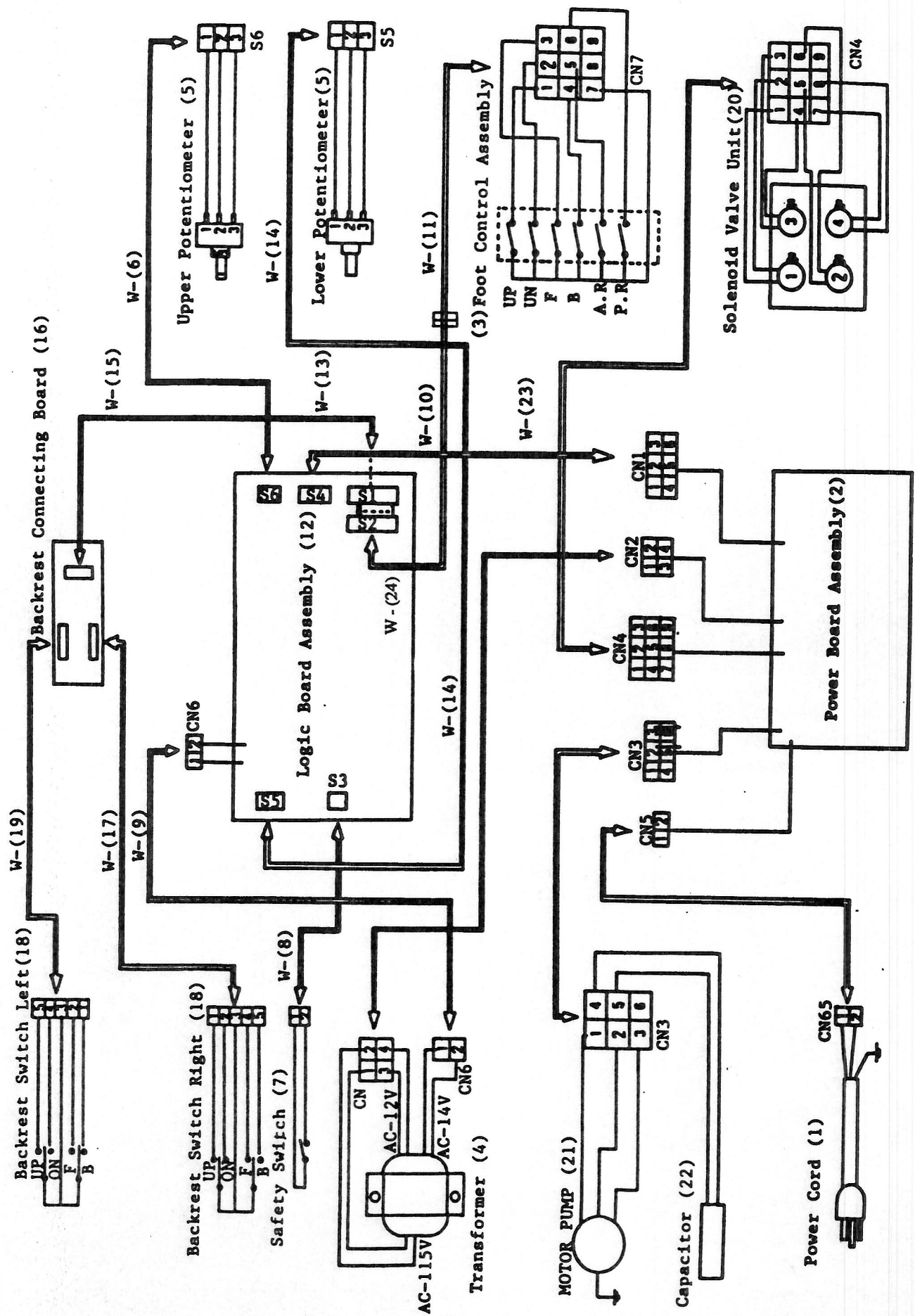
\*\*\* NOTE : UPH FOR BLACK CHAIR HAS VELCRO.  
UPH FOR WHITE CHAIR HAS SNAPS. \*\*\*



## WIRING SCHEMATIC PARTS LIST

| INDEX NO. | PART NO.    | DESCRIPTION                                     |
|-----------|-------------|-------------------------------------------------|
| 1         | B10- AB0006 | POWER CORD                                      |
| 2         | B10- Z0067  | RELAY BOX ASSEMBLY                              |
| 3         | B10- 503780 | FOOT CONTROL COMPLETE                           |
| 4         | B10- X2801  | TRANSFORMER                                     |
| 5         | B10- 503904 | POTENTIOMETER W/BRACKET F/RECLINE               |
|           | B10- 503905 | POTENTIOMETER W/BRACKET F/BASE                  |
| W- 6      | B10- X6528  | WIRE HARNESS F/UPPER POT. TO LOGIC P.C.B. (S6)  |
| 7         | B10- X6313  | MICRO SWITCH                                    |
| W- 8      | B10- X6526  | WIRE HARNESS F/SAFETY SW TO LOGIC P.C.B. (S3)   |
| W- 9      | B10- EB0014 | WIRE HARNESS F/TRANS. TO LOGIC P.C.B. (CN6)     |
| W-10      | B10- X6531  | WIRE HARNESS F/RELAY BOX TO LOGIC P.C.B. (S4)   |
| W-11      | B10- X7899  | FOOT CONTROL WIRE HARNESS                       |
| 12        | B10- X6519  | LOGIC P.C. BOARD                                |
| W-13      | B10- X6530  | WIRE HARNESS F/LOGIC P.C.B. (S1) TO BACKREST    |
| W-14      | B10- X6527  | WIRE HARNESS F/LOWER POT. TO LOGIC P.C.B. (S5)  |
| W-15      | B10- X6525  | WIRE HARNESS F/BACKREST CONNECTOR BOARD         |
| 16        | B10- X6520  | BACKREST CONNECTING BOARD                       |
| W-17      | B10- X6524  | WIRE HARNESS F/B/R SWITCH(R) TO B/R CON. BOARD  |
| 18        | B10- X6521  | SWITCH BOARD ONLY                               |
| W-19      | B10- X6523  | WIRE HARNESS F/B/R SWITCH(L) TO B/R CON. BOARD  |
| 20        | B10- T3430  | SOLENOID VALVE ASSEMBLY                         |
| 21        | B10- D6065  | MOTOR PUMP ASSEMBLY (5L)                        |
| 22        | B10- X5002  | CAPACITOR                                       |
| W-23      | B10- X6532  | WIRE HARNESS F/SOLENOID VALVE TO RELAY BOX      |
| W-24      | B10- X6529  | WIRE HARNESS F/LOGIC P.C.B. TO F/C WIRE HARNESS |

\*\*\* NOTE : ITEMS MAKED WITH "W" ARE WIRES. \*\*\*



BLP5000797