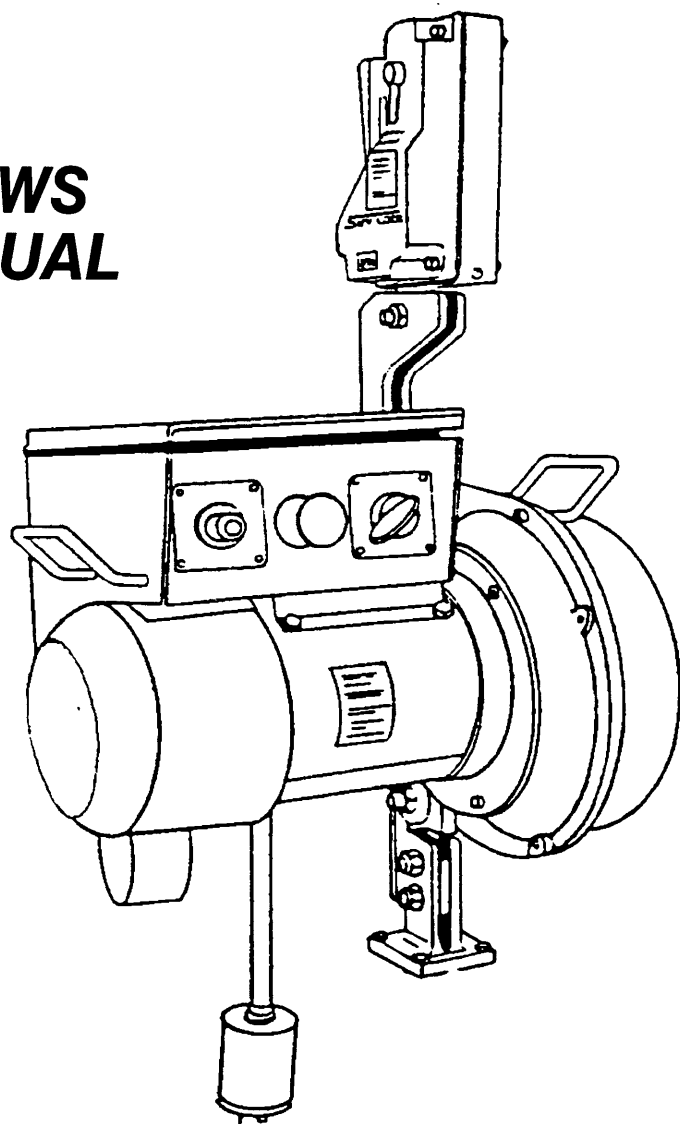


# SKY CLIMBER®

alpha  $\uparrow$  1000

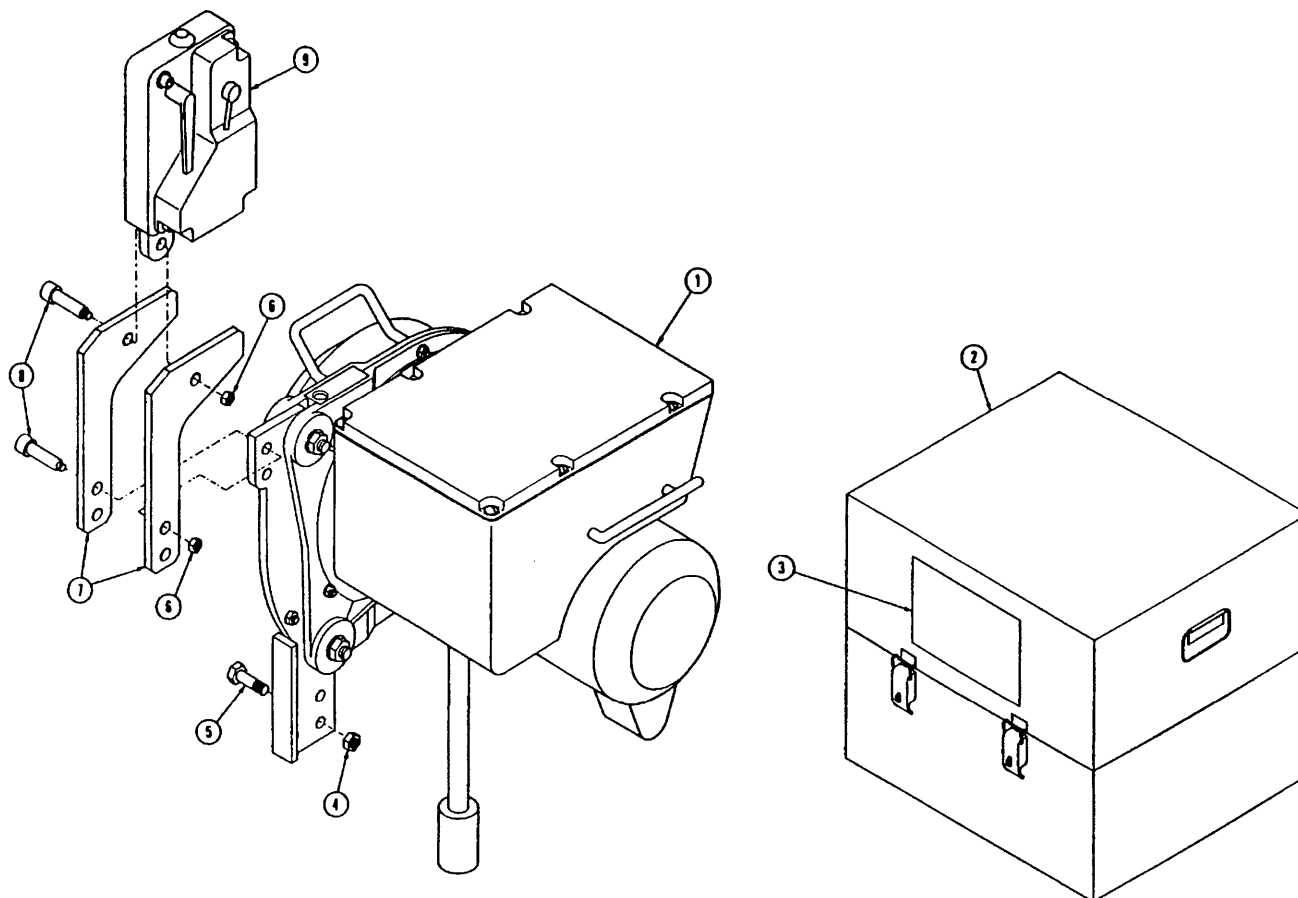
**EXPLODED VIEWS  
& PARTS MANUAL**



| ITEM                                               | PAGE       |
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| Dual Voltage Hoist Kit .....                       | 2          |
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# DUAL VOLTAGE HOIST KIT

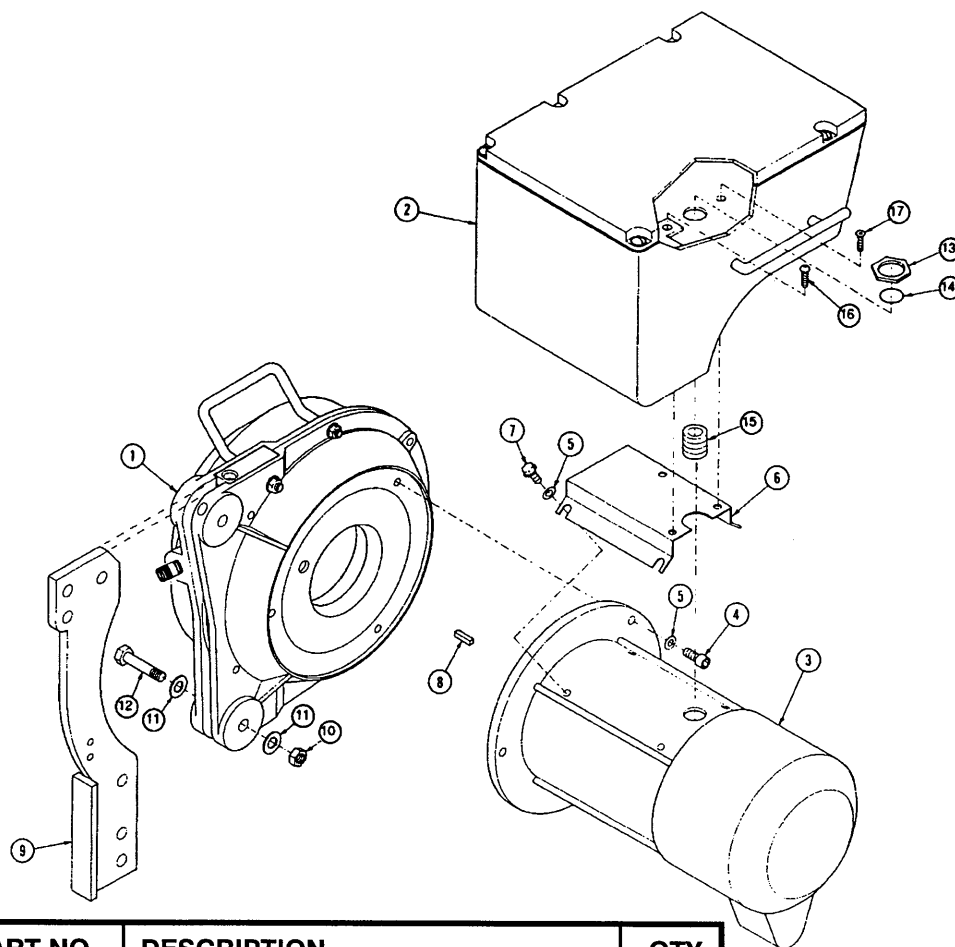
# alpha 1000



| ITEM | PART NO.  | DESCRIPTION                     | QTY. |
|------|-----------|---------------------------------|------|
| 1    | 43026001  | ELECTRIC HOIST ASSEMBLY (PG. 4) | 1    |
| 2    | 800-6     | STEEL BOX                       | 1    |
| 3    | 800-41    | LABEL- BOX                      | 1    |
| 4    | 100- 180  | NUT, LOCK                       | 2    |
| 5    | 100-179-1 | HEX HEAD CAPSCREW               | 2    |
| 6    | 107-328   | NUT                             | 3    |
| 7    | 305-395   | STRAP - SKY LOCK MOUNT          | 2    |
| 8    | 107-130   | SHOULDER BOLT                   | 3    |
| 9    | 56009839  | SKY LOCK III                    | 1    |
| 10   | 42008106  | CANVAS COVER                    | 1    |

# alpha 1000

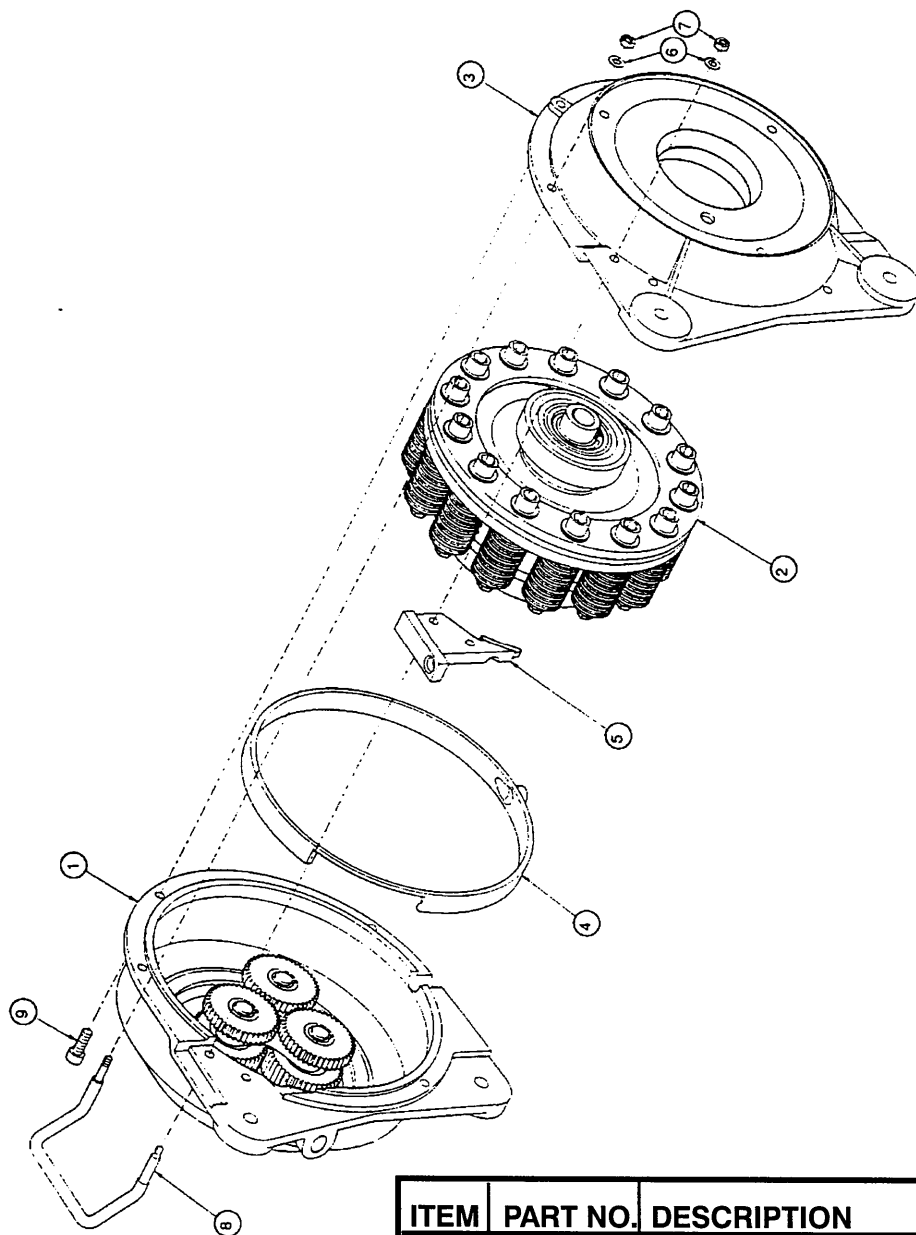
## ELECTRIC HOIST ASSEMBLY



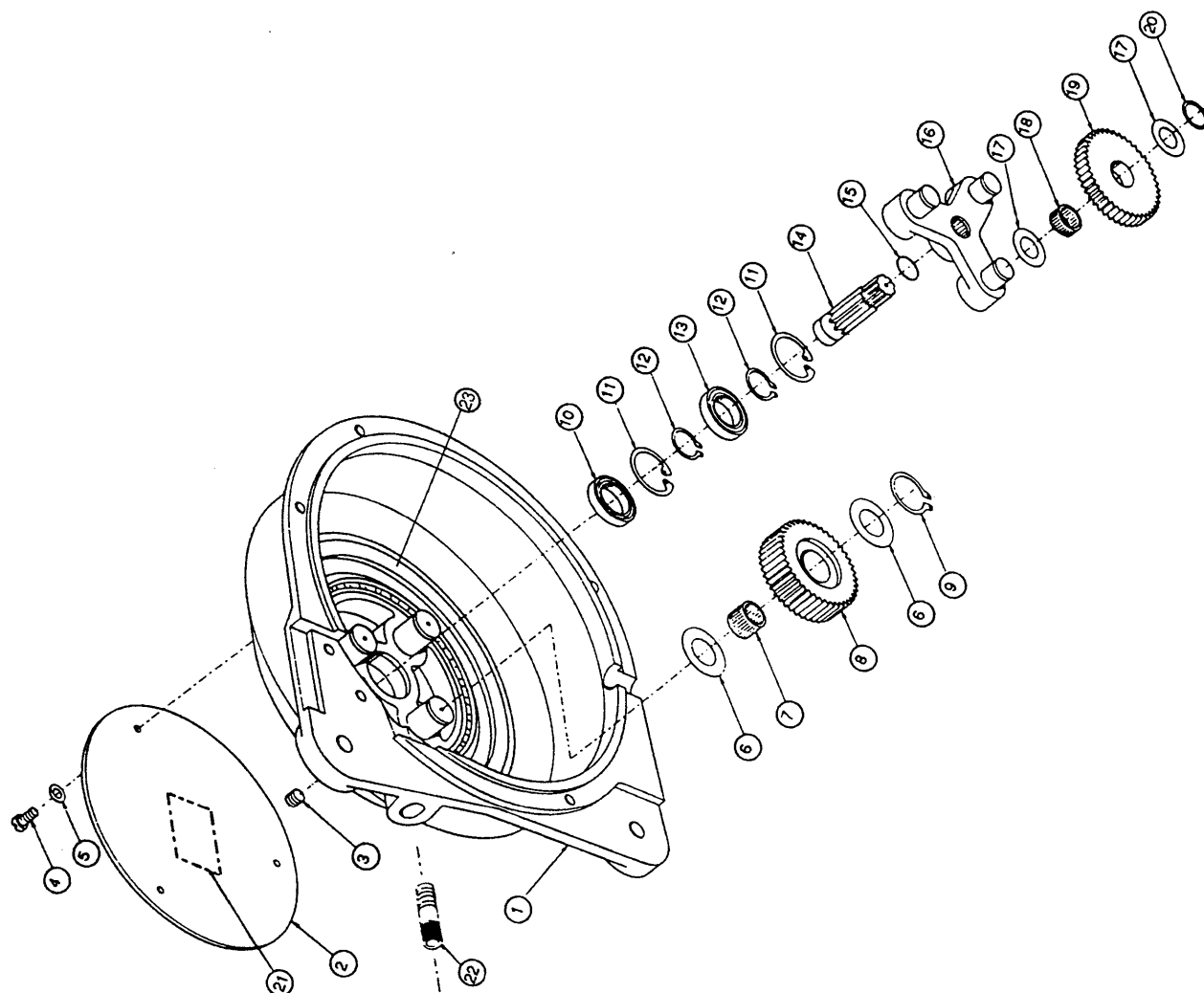
| ITEM | PART NO. | DESCRIPTION                    | QTY. |
|------|----------|--------------------------------|------|
| 1    | 43009001 | GEARBOX ASSEMBLY               | 1    |
| 2*   |          | ELECTRIC CONTROL BOX           | 1    |
| 3*   | 43026601 | MOTOR - ELECTRIC               | 1    |
| 4    | 11000325 | BOLT                           | 3    |
| 5    | 12000408 | LOCKWASHER                     | 7    |
| 6*   | 43008119 | BRACKET                        | 1    |
| 7*   | 11000308 | BOLT                           | 4    |
| 8    | 14004120 | KEY                            | 1    |
| 9    | 43008005 | STIRRUP STRAP                  | 1    |
| 10   | 12005512 | NUT                            | 2    |
| 11   | 12000012 | WASHER                         | 4    |
| 12   | 13000134 | BOLT                           | 2    |
| 13*  | 53008153 | NUT                            | 1    |
| 14*  | 52008288 | O-RING                         | 1    |
| 15*  | 107-1069 | TUBE, THREADED                 | 1    |
| 16*  | 107-1065 | SCREW                          | 1    |
| 17*  | 107-1070 | SCREW                          | 2    |
| *    | 43026701 | ELECTRIC POWER PACK - COMPLETE |      |

# GEARBOX ASSEMBLY

# alpha 1000



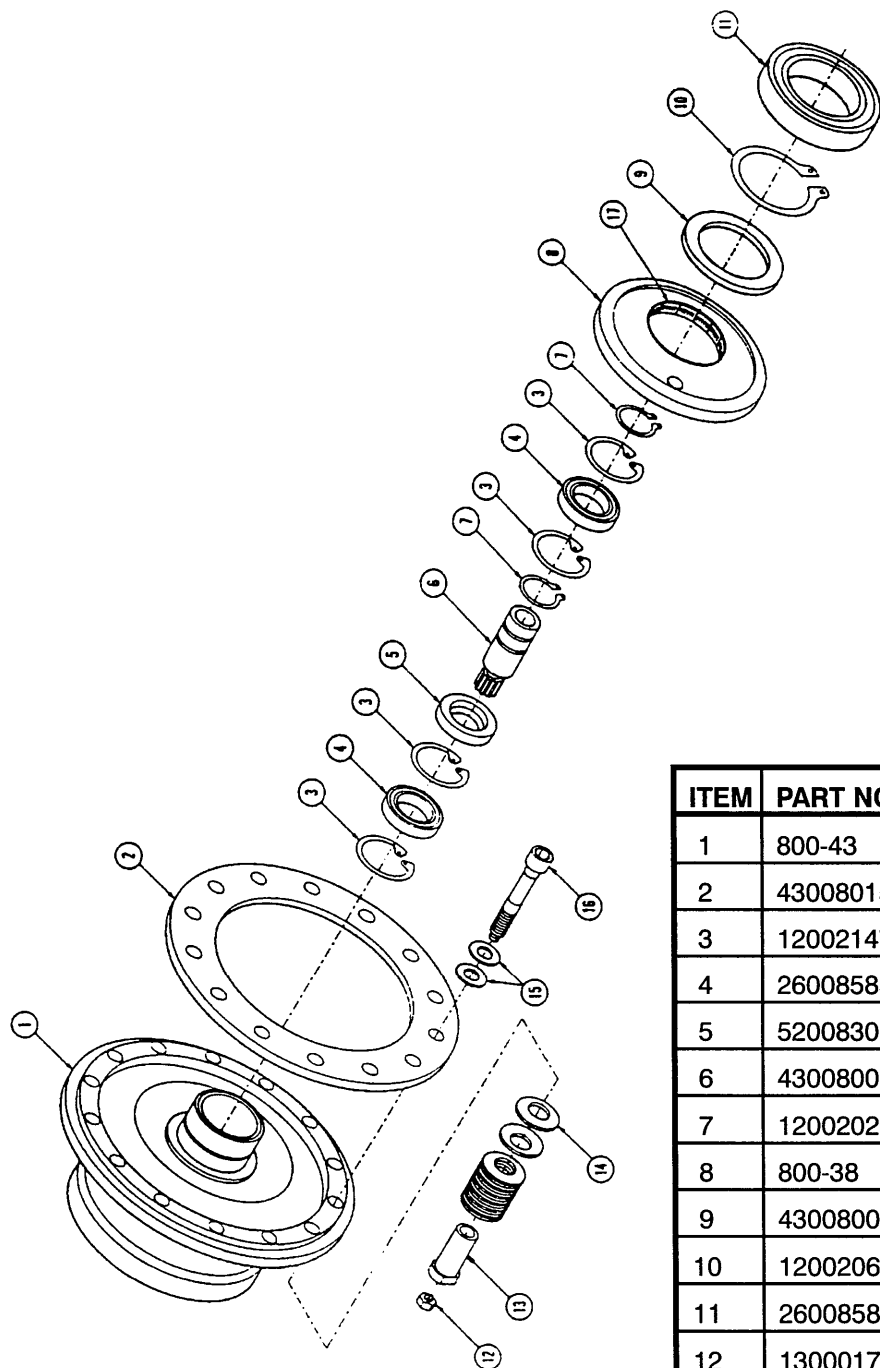
| ITEM | PART NO. | DESCRIPTION                          | QTY |
|------|----------|--------------------------------------|-----|
| 1    |          | GEARBOX HOUSING ASSEMBLY (PGS 8,9)   | 1   |
| 2    |          | TRACTION SHEAVE ASSEMBLY (PGS 10,11) | 1   |
| 3    | 800-32   | COVER ASSEMBLY                       | 1   |
| 4    | 43008011 | GUIDE RING                           | 1   |
| 5    | 43008003 | INLET GUIDE                          | 1   |
| 6    | 12000006 | WASHER                               | 2   |
| 7    | 12005506 | NUT                                  | 2   |
| 8    | 43008054 | HANDLE - GEARBOX                     | 1   |
| 9    | 13000525 | ALLEN HEAD CAPSCREW                  | 4   |



| ITEM | PART. NO. | DESCRIPTION      | QTY. | ITEM | PART. NO. | DESCRIPTION             | QTY.  |
|------|-----------|------------------|------|------|-----------|-------------------------|-------|
| 1    | 800-31    | HOUSING ASSEMBLY | 1    | 13   | 26008569  | BEARING                 | 1     |
| 2    | 43008004  | COVER            | 1    | 14   | 43008019  | SHAFT                   | 1     |
| 3    | 111684    | PLUG-PIPE        | 1    | 15   | 13000054  | SAFETY RING             | 1     |
| 4    | 11004008  | SCREW            | 3    | 16   | 800-33    | PLANET CARRIER ASSEMBLY | 1     |
| 5    | 12000404  | LOCKWASHER       | 3    | 17   | 26008537  | SPACER                  | 6     |
| 6    | 26008595  | SPACER           | 6    | 18   | 26008536  | BEARING                 | 3     |
| 7    | 26008581  | BEARING          | 3    | 19   | 43008024  | GEAR                    | 3     |
| 8    | 43008020  | GEAR             | 3    | 20   | 12002015  | SNAP RING               | 3     |
| 9    | 12002020  | SNAP RING        | 3    | 21   | 800-108   | DECAL                   | 1     |
| 10   | 52008294  | OIL SEAL         | 1    | 22   | 800-104   | ROPE DEPARTURE GUIDE    | 1     |
| 11   | 12002135  | SNAP RING        | 2    | 23   | 52008303  | MAIN SEAL               | Spare |
| 12   | 12002017  | SNAP RING        | 2    |      |           |                         |       |

# TRACTION SHEAVE ASSEMBLY

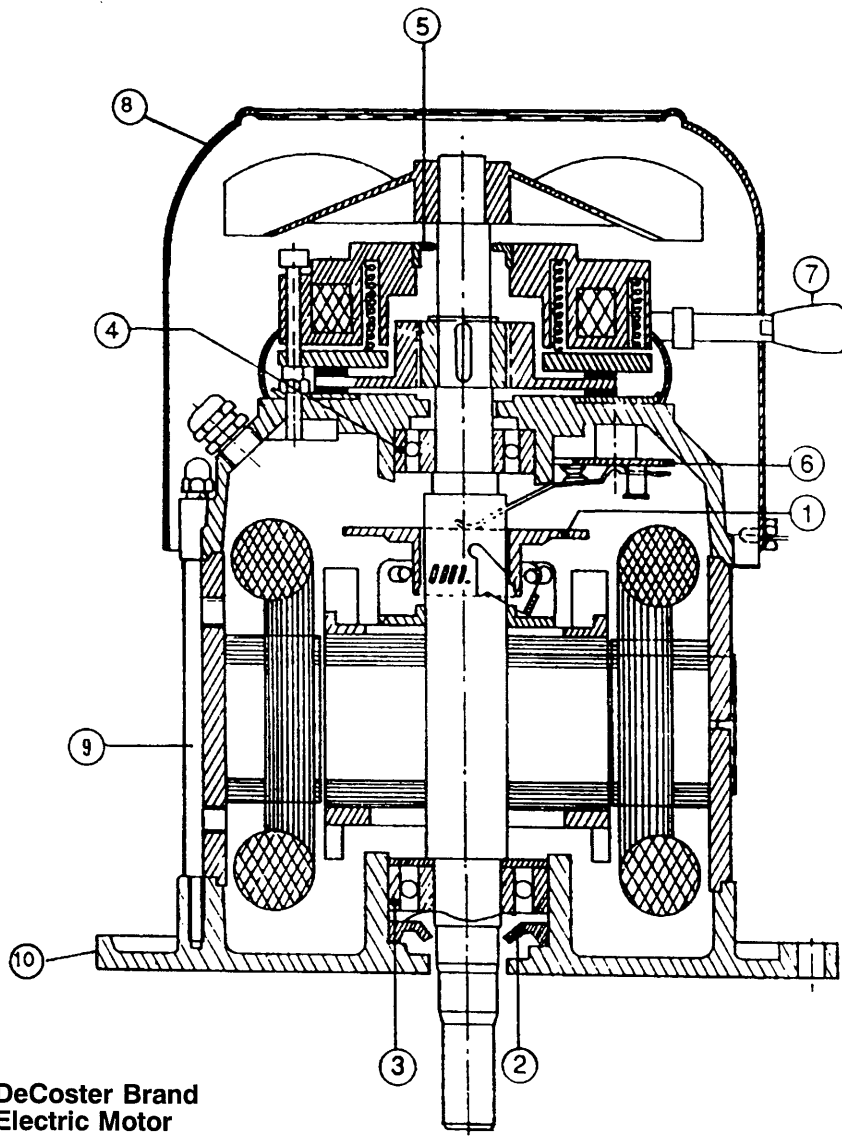
# alpha 1000



| ITEM                                | PART NO. | DESCRIPTION           | QTY. |
|-------------------------------------|----------|-----------------------|------|
| 1                                   | 800-43   | RING GEAR ASSEMBLY    | 1    |
| 2                                   | 43008015 | TRACTION SHEAVE       | 1    |
| 3                                   | 12002147 | SNAP RING             | 4    |
| 4                                   | 26008585 | BEARING               | 2    |
| 5                                   | 52008301 | OIL SEAL              | 1    |
| 6                                   | 43008006 | SHAFT                 | 1    |
| 7                                   | 12002025 | SNAP RING             | 2    |
| 8                                   | 800-38   | ECCENTRIC ASSEMBLY    | 1    |
| 9                                   | 43008009 | SPACER                | 1    |
| 10                                  | 12002060 | SNAP RING             | 1    |
| 11                                  | 26008584 | BEARING               | 1    |
| 12                                  | 13000175 | NUT, LEFT HAND THREAD | 14   |
| 13                                  | 43008027 | SPRING GUIDE          | 14   |
| 14                                  | 12000518 | BELLVILLE WASHER      | 196* |
| 15                                  | 12000516 | BELLVILLE WASHER      | 28   |
| 16                                  | 43008029 | SOCKET HEAD BOLT      | 14   |
| 17                                  | 26008524 | BEARING SEGMENT       | 6    |
| *NOTE: Use only 13 when galvanized. |          |                       | 182  |

# alpha 1000

## DECOSTER ELECTRIC MOTOR P/N 43026601



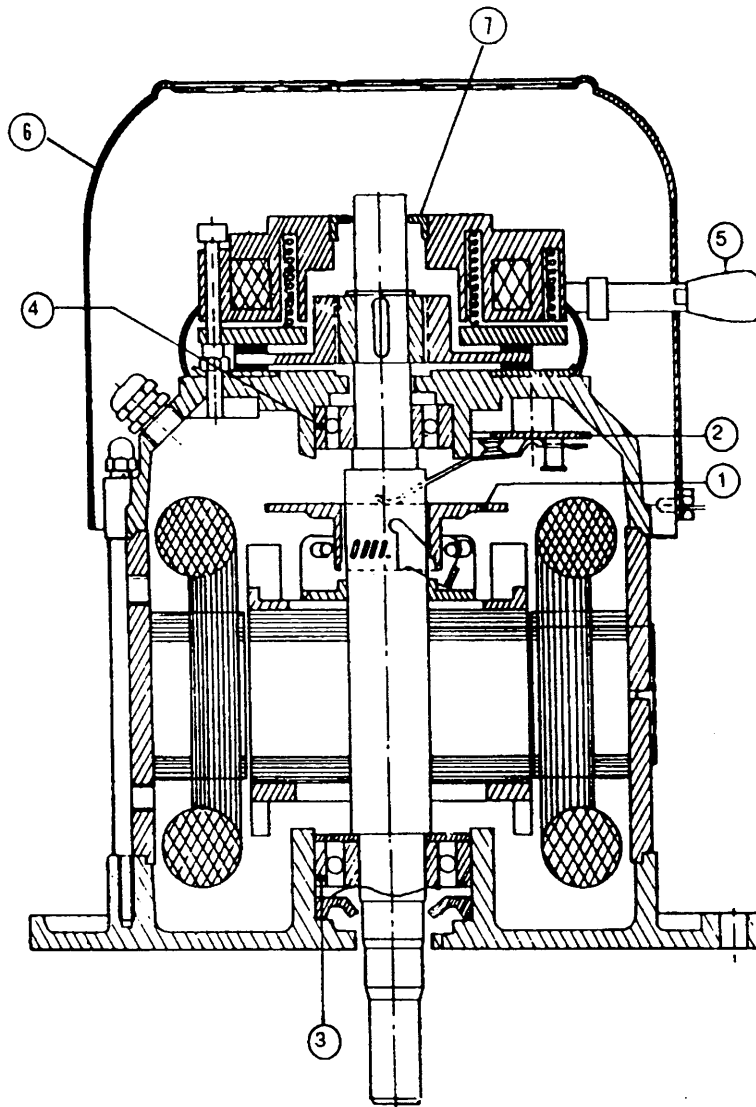
**DeCoster Brand  
Electric Motor**

| ITEM | PART NO. | DESCRIPTION                        | QTY. |
|------|----------|------------------------------------|------|
| 1    | 41009106 | CENTRIFUGAL MECHANISM, ROTARY PART | 1    |
| 2    | 52008280 | SEAL                               | 1    |
| 3    | 26008556 | BALL BEARING                       | 1    |
| 4    | 26008555 | BALL BEARING                       | 1    |
| 5    | 52008313 | SEAL                               | 1    |
| 6    | 42009105 | CENTRIFUGAL MECHANISM, FIXED PART  | 1    |
| 7    | 41008214 | KNOB                               | 1    |
| 8    | 42008154 | FAN COVER                          | 1    |
| 9    | 43008124 | MOTOR TIE ROD                      | 1    |
| 10   | 41008116 | FRONT FLANGE                       | 1    |



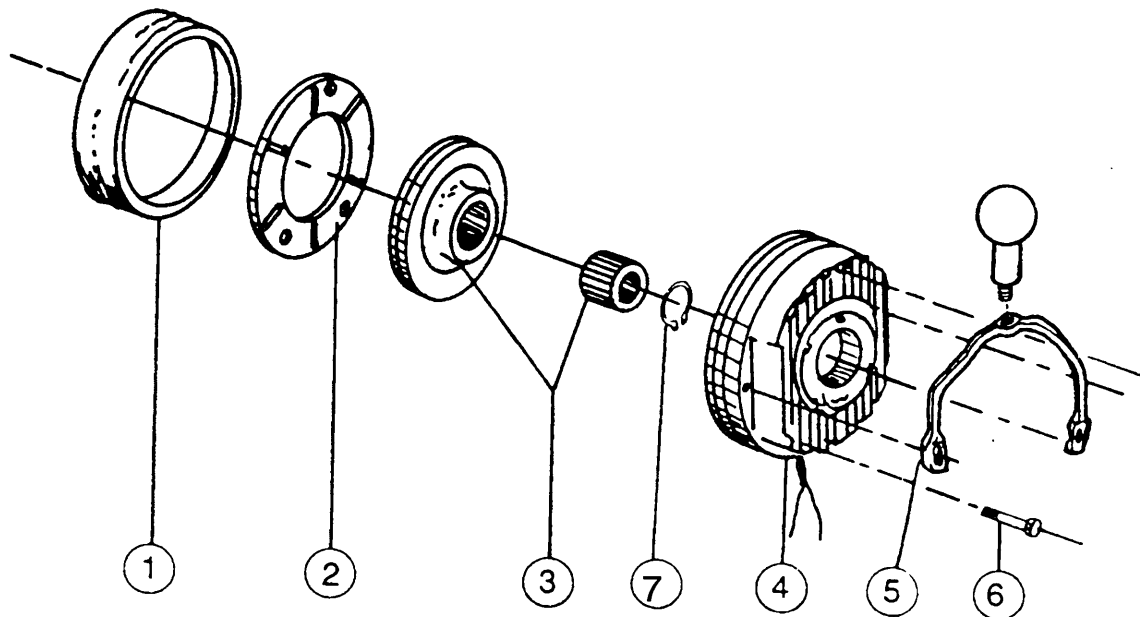
**BALDOR ELECTRIC  
MOTOR P/N 43026601**

**alpha  $\uparrow$  1000**



| ITEM | PART NO. | DESCRIPTION                        | QTY. |
|------|----------|------------------------------------|------|
| 1    | 126-567  | CENTRIFUGAL MECHANISM, ROTARY PART | 1    |
| 2    | 126-568  | CENTRIFUGAL MECHANISM, FIXED PART  | 1    |
| 3    | 102-386  | BALL BEARING, FRONT                | 1    |
| 4    | 102-387  | BALL BEARING, BACK                 | 1    |
| 5    | 41008214 | KNOB                               | 1    |
| 6    | 126-598  | BRAKE COVER                        | 1    |
| 7    | 52008313 | SEAL                               | 1    |

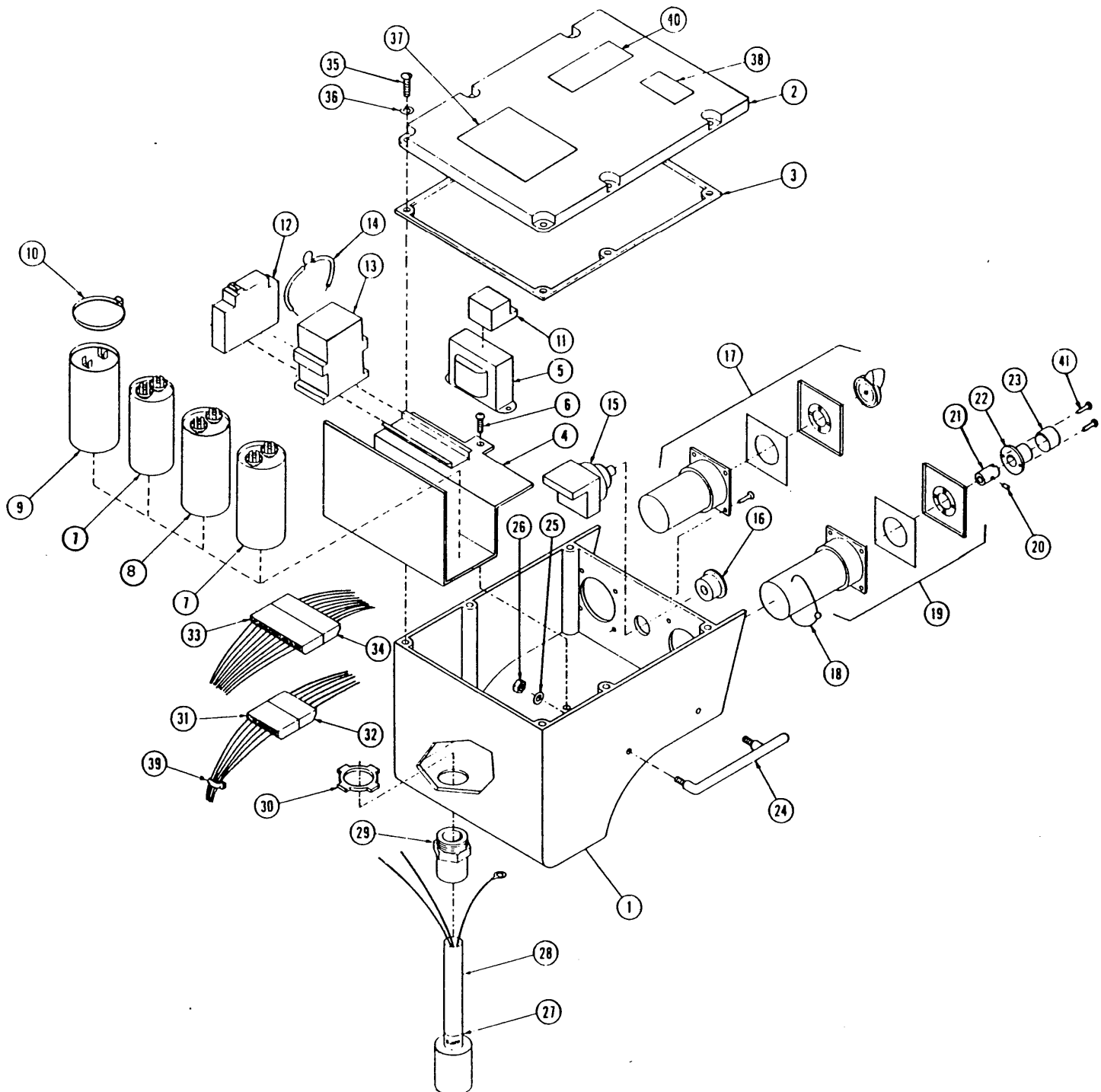
NOTE: Baldor Electric Motor implementation, 1st quarter, 1991. Baldor Motor is fully interchangeable with DeCoster Motor.



| ITEM | PART NO. | DESCRIPTION              | QTY. |
|------|----------|--------------------------|------|
| 1    | 800-55   | DUST COVER               | 1    |
| 2    | 800-56   | BRAKE DISC               | 1    |
| 3    | 800-57   | ROTOR FOR BRAKE ASSEMBLY | 1    |
| 4    | 800-58   | COIL ASSEMBLY            | 1    |
| 5    | 800-59   | RELEASE HANDLE KIT       | 1    |
| 6    | 800-60   | SET OF MOUNTING SCREWS   | 3    |
| 7    | 12002020 | SNAP RING                | 1    |

# 1st GENERATION ELECTRIC CONTROL BOX ASSEMBLY

# alpha 1000



**alpha**  **1000****1st GENERATION ELECTRIC  
CONTROL BOX ASSEMBLY**

| ITEM | PART NO.     | DESCRIPTION                           | QTY. |
|------|--------------|---------------------------------------|------|
| 1    | 43008111-ADV | ELECTRIC CONTROL BOX                  | 1    |
| 2    | 43008108     | CONTROL BOX COVER                     | 1    |
| 3    | 43008105     | COVER GASKET                          | 1    |
| 4    | 800-24       | TRAY                                  | 1    |
| 5    | 800-19       | TRANSFORMER                           | 1    |
| 6    | 107-1065     | SCREW                                 | 1    |
| 7    | 800-17       | CAPACITOR                             | 2    |
| 8    | 800-7        | CAPACITOR                             | 1    |
| 9    | 800-16       | CAPACITOR                             | 1    |
| 10   | 126-504      | PLASTIC TIE                           | 8    |
| 11   | 126-566      | RECTIFIER KIT                         | 1    |
| 12   | 800-14       | CIRCUIT BREAKER                       | 1    |
| 13   | 800-10       | CONTACTOR WITH AUXILIARY              | 1    |
| 14   | 41009114     | VARISITOR                             | 1    |
| 15   | 126-522      | SWITCH BLOCK (53008911 - Switch Only) | 1    |
| 16   | 53008363     | STOP SWITCH BUTTON                    | 1    |
| 17   | 800-9        | UP - DOWN SWITCH                      | 1    |
| 18   | 090335       | DIODE                                 | 1    |
| 19   | 800-8        | VOLTAGE SELECT SWITCH                 | 1    |
| 20   | 129155       | SET SCREW                             | 1    |
| 21   | 126-515      | SWITCH ACTIVATOR                      | 1    |
| 22   | 126-514      | SWITCH GUARD                          | 1    |
| 23   | 126-517      | CAP                                   | 1    |
| 24   | 43008055     | HANDLE - CONTROL BOX                  | 1    |
| 25   | 12000006     | WASHER                                | 2    |
| 26   | 12005506     | NUT- M6                               | 2    |
| 27   | 126436       | LABEL - 220V                          | 1    |
| 28   | 102-96-1     | POWER CORD                            | 1    |
| 29   | 102-90       | CORD CONNECTOR                        | 1    |
| 30   | 102-324      | NUT- CONNECTOR                        | 1    |
| 31   | 126-508      | CONNECTOR - 6 PIN MALE                | 1    |
| 32   | 126-510      | CONNECTOR - 6 PIN FEMALE              | 1    |
| 33   | 126-507      | CONNECTOR - 10 PIN MALE               | 1    |
| 34   | 126-509      | CONNECTOR - 10 PIN FEMALE             | 1    |
| 35   | 11002220     | SCREW                                 | 6    |
| 36   | 12000406     | WASHER                                | 6    |
| 37   | 800-4        | DECAL - NAMEPLATE                     | 1    |
| 38   | 800-42       | DECAL - VOLTAGE SELECT                | 1    |
| 39   | 090757       | WIRE TIE                              | A/R  |
| 40   | 800-3        | DECAL - INSTRUCTION                   | 1    |
| 41   | 107-1068     | SCREW                                 | 22   |

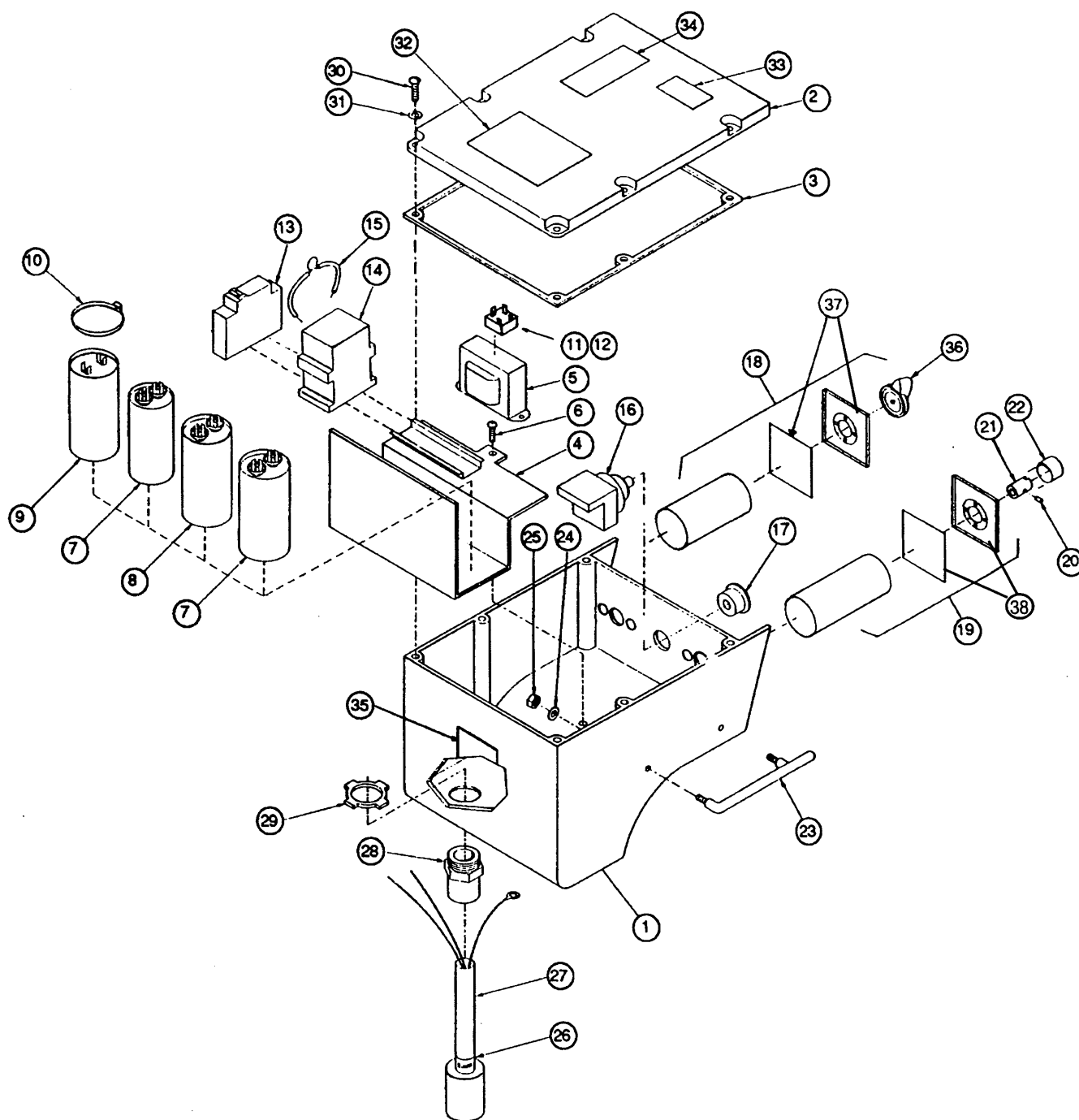
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110 V  220 V 

# alpha 1000

## 2nd GENERATION ELECTRIC CONTROL BOX ASSEMBLY



## 2nd GENERATION ELECTRIC CONTROL BOX ASSEMBLY

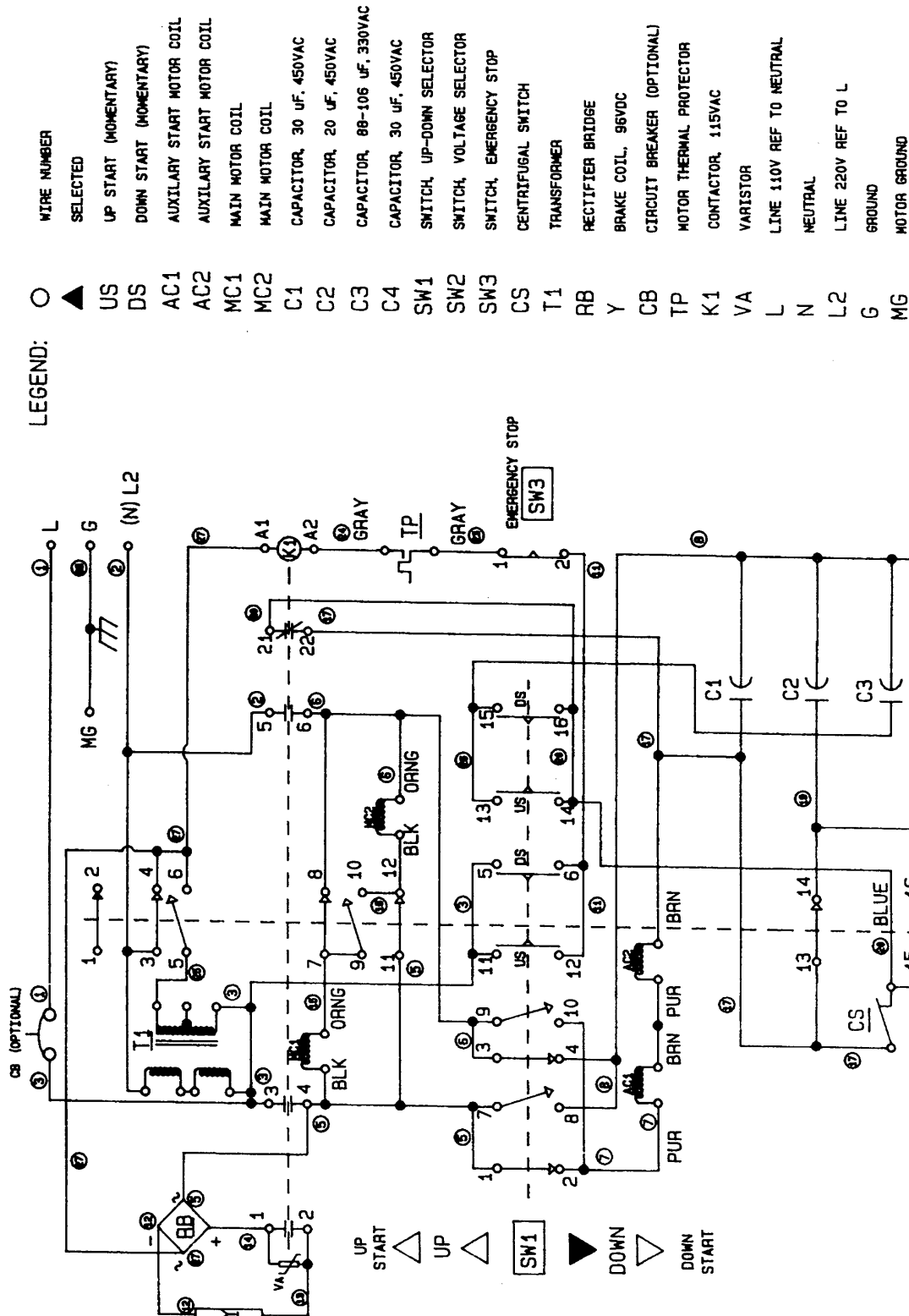
# alpha 1000

| ITEM | PART. NO.    | DESCRIPTION                          | QTY.  |
|------|--------------|--------------------------------------|-------|
| 1    | 43008111-ADV | ELECTRIC CONTROL BOX                 | 1     |
| 2    | 43008108     | CONTROL BOX COVER                    | 1     |
| 3    | 43008105     | COVER GASKET                         | 1     |
| 4    | 800-24       | TRAY                                 | 1     |
| 5    | 800-19       | TRANSFORMER                          | 1     |
| 6    | 107-1065     | SCREW                                | 1     |
| 7    | 80-17        | CAPACITOR                            | 2     |
| 8    | 800-7        | CAPACITOR                            | 1     |
| 9    | 800-16       | CAPACITOR                            | 1     |
| 10   | 126-504      | PLASTIC TIE                          | 8     |
| 11   | 126-565      | RECTIFIER                            | 1     |
| 12   | 090674       | SPADE TERMINAL                       | 4     |
| 13   | 800-14       | CIRCUIT BREAKER (OPTIONAL)           | 1     |
| 14   | 800-10       | CONTACTOR WITH AUXILIARY             | 1     |
| 15   | 41009114     | VARISTOR                             | 1     |
| 16   | 126-522      | SWITCH BLOCK (53008911- Switch Only) | 1     |
| 17   | 53008363     | STOP SWITCH BUTTON                   | 1     |
| 18   | 126-541      | UP-DOWN SWITCH                       | 1     |
| 19   | 126-547      | VOLTAGE SELECT SWITCH                | 1     |
| 20   | 107-806      | SET SCREW                            | 2     |
| 21   | 126-555      | SWITCH ACTIVATOR                     | 1     |
| 22   | 126-517      | CAP                                  | 1     |
| 23   | 800-128      | HANDLE-REPLACEMENT                   | 1     |
| 24   | 12000006     | WASHER                               | 2     |
| 25   | 12005506     | NUT - M6                             | 2     |
| 26   | 126-436      | LABEL - 220V                         | 1     |
| 27   | 102-96-1     | POWER CORD                           | 1     |
| 28   | 102-90       | CORD CONNECTOR                       | 1     |
| 29   | 102-324      | NUT - CONNECTOR                      | 1     |
| 30   | 11002220     | SCREW                                | 6     |
| 31   | 12000406     | WASHER                               | 6     |
| 32   | 800-4        | DECAL - NAMEPLATE                    | 1     |
| 33   | 800-42       | DECAL - VOLTAGE SELECT               | 1     |
| 34   | 800-3        | DECAL - INSTRUCTION                  | 1     |
| 35   | 800-109      | DECAL - DESCENT NOTICE               | 1     |
| 36   | 126-569      | KNOB                                 | 1     |
| 37   | 126-597      | FACE PLATE                           | Spare |
| 38   | 126-602      | FACE PLATE                           | Spare |

NOTE: 2nd Generation Electric Control Box Assembly implementation, 1st quarter, 1991.  
For Items 18 and 19, an Adapter Kit, P/N 126-540, is required if you are replacing  
Klockner-Moeller Brand Switches.

# alpha 1000

## 2nd GENERATION ELECTRIC SCHEMATIC

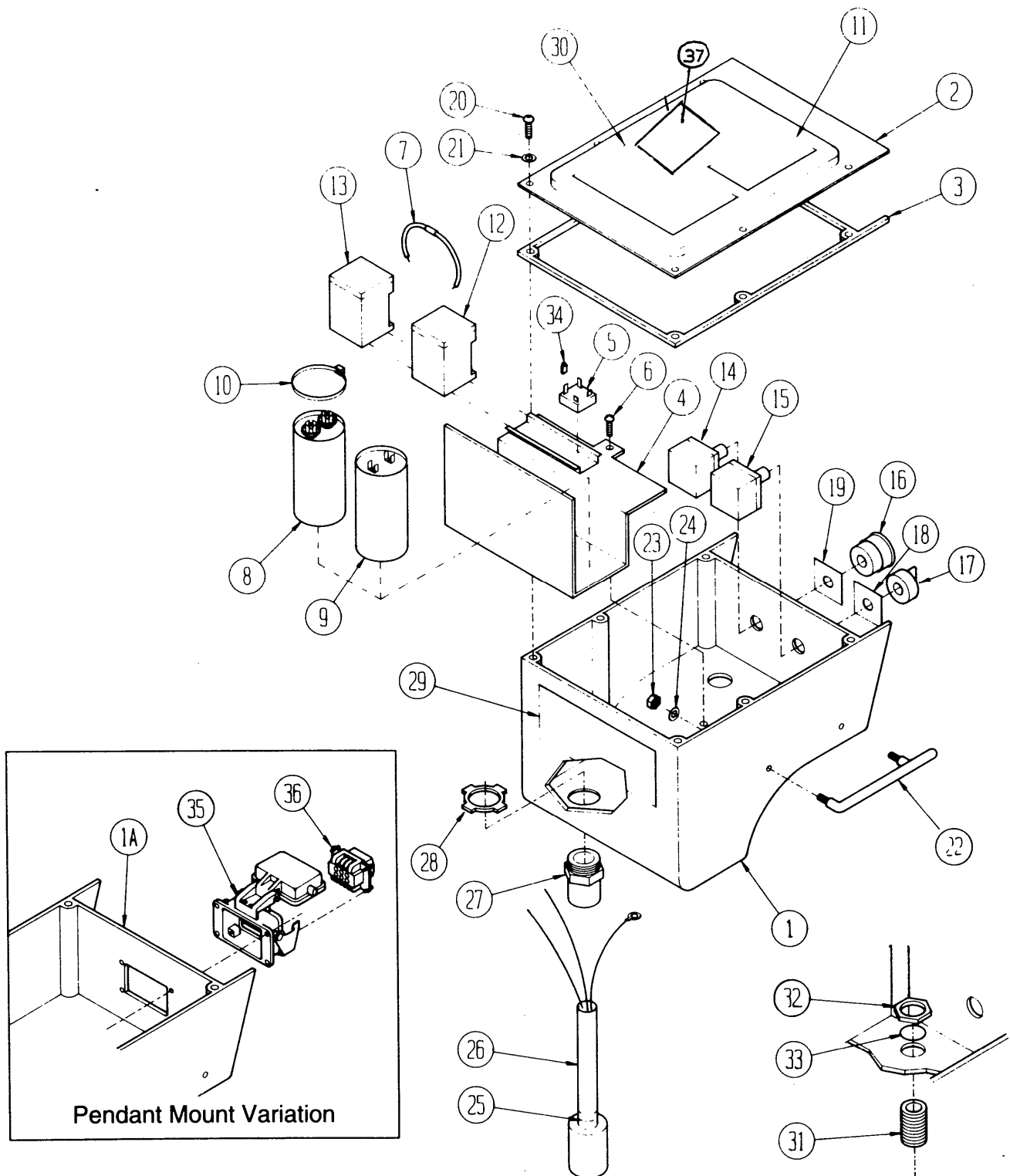


### ALPHA 1000 DUAL VOLTAGE CIRCUIT



**SINGLE VOLTAGE  
CONTROL BOX ASSEMBLY**  
220V USA MADE

**alpha**  **1000**



# alpha 1000

## SINGLE VOLTAGE CONTROL BOX ASSEMBLY 220V USA MADE

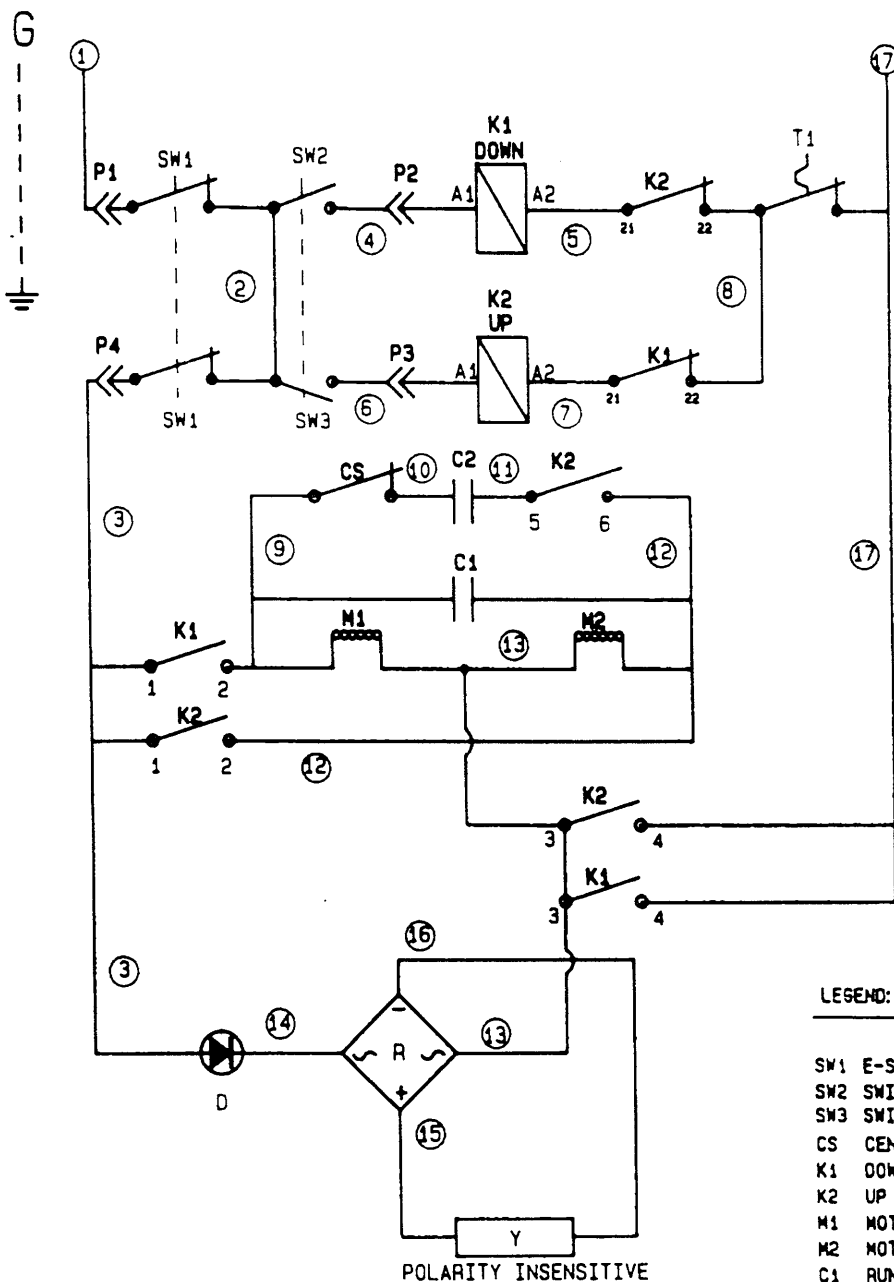
| ITEM | PART NO.       | DESCRIPTION                                            | QTY. |
|------|----------------|--------------------------------------------------------|------|
| 1    | 43008111- ASV  | ELECTRIC CONTROL BOX, Alpha 1000, SV, Standard Control | 1    |
| 1A*  | 43008111- ASVP | ELECTRIC CONTROL BOX, Pendant Mount Control            | 1    |
| 2    | 43008108       | CONTROL BOX COVER                                      | 1    |
| 3    | 43008105       | COVER GASKET                                           | 1    |
| 4    | 800-24         | TRAY                                                   | 1    |
| 5    | 126-565        | BRIDGE RECTIFIER                                       | 1    |
| 6    | 107-1069       | SCREW                                                  | 1    |
| 7    | 090335         | BREAKDOWN RECTIFIER                                    | 1    |
| 8    | 126-528        | CAPACITOR, 40mf                                        | 1    |
| 9    | 800-37         | CAPACITOR, 130-156mf                                   | 1    |
| 10   | 090757         | PLASTIC TIE                                            | 4    |
| 11   | 800-119        | DECAL, ALPHA 1000 SINGLE VOLT SCHEMATIC                | 1    |
| 12   | 126-570        | UP CONTACTOR                                           | 1    |
| 13   | 126-570        | DOWN CONTACTOR                                         | 1    |
| 14   | 53008369       | SWITCH BLOCK, DIRECTIONAL                              | 1    |
| 15   | 53008377       | SWITCH BLOCK, E-STOP                                   | 1    |
| 16   | 53008368       | DIRECTIONAL SWITCH OPERATOR                            | 1    |
| 17   | 53008363       | EMERGENCY STOP OPERATOR                                | 1    |
| 18   | 12009240       | DIRECTIONAL LABEL UP/DN                                | 1    |
| 19   | 53008896       | E-STOP SWITCH NAMEPLATE                                | 1    |
| 20   | 107-1080       | SCREW                                                  | 6    |
| 21   | 12000406       | WASHER                                                 | 6    |
| 22   | 800-128        | HANDLE                                                 | 1    |
| 23   | 12005506       | NUT                                                    | 2    |
| 24   | 12000006       | WASHER                                                 | 2    |
| 25   | 126-436        | LABEL 220V                                             | 1    |
| 26   | 126-498-30     | POWER CORD                                             | 1    |
| 27   | 102-90         | CORD CONNECTOR                                         | 1    |
| 28   | 102-324        | NUT-CONNECTOR                                          | 1    |
| 29   | 800-109        | DECAL-DECENT NOTICE                                    | 1    |
| 30   | 800-3          | DECAL-ALPHA 1000 SINGLE VOLTAGE                        | 1    |
| 31   | 53008926       | THREADED TUBE                                          | 1    |
| 32   | 53008153       | NUT, PG 8 THREAD                                       | 1    |
| 33   | 52008288       | O-RING                                                 | 1    |
| 34   | 090674         | SPADE TERMINAL                                         | 4    |
| 35*  | 126-579        | PENDANT RECEPTACLE WITH COVER AND GASKET               | 1    |
| 36*  | 126-578        | 6- PIN FEMALE CONNECTOR                                | 1    |
| 37   | 800-118        | DECAL -NAMEPLATE                                       | 1    |

\*Used on Alpha 1000 Pendant Mount only

# SINGLE VOLTAGE ELECTRICAL SCHEMATIC

220V USA MADE

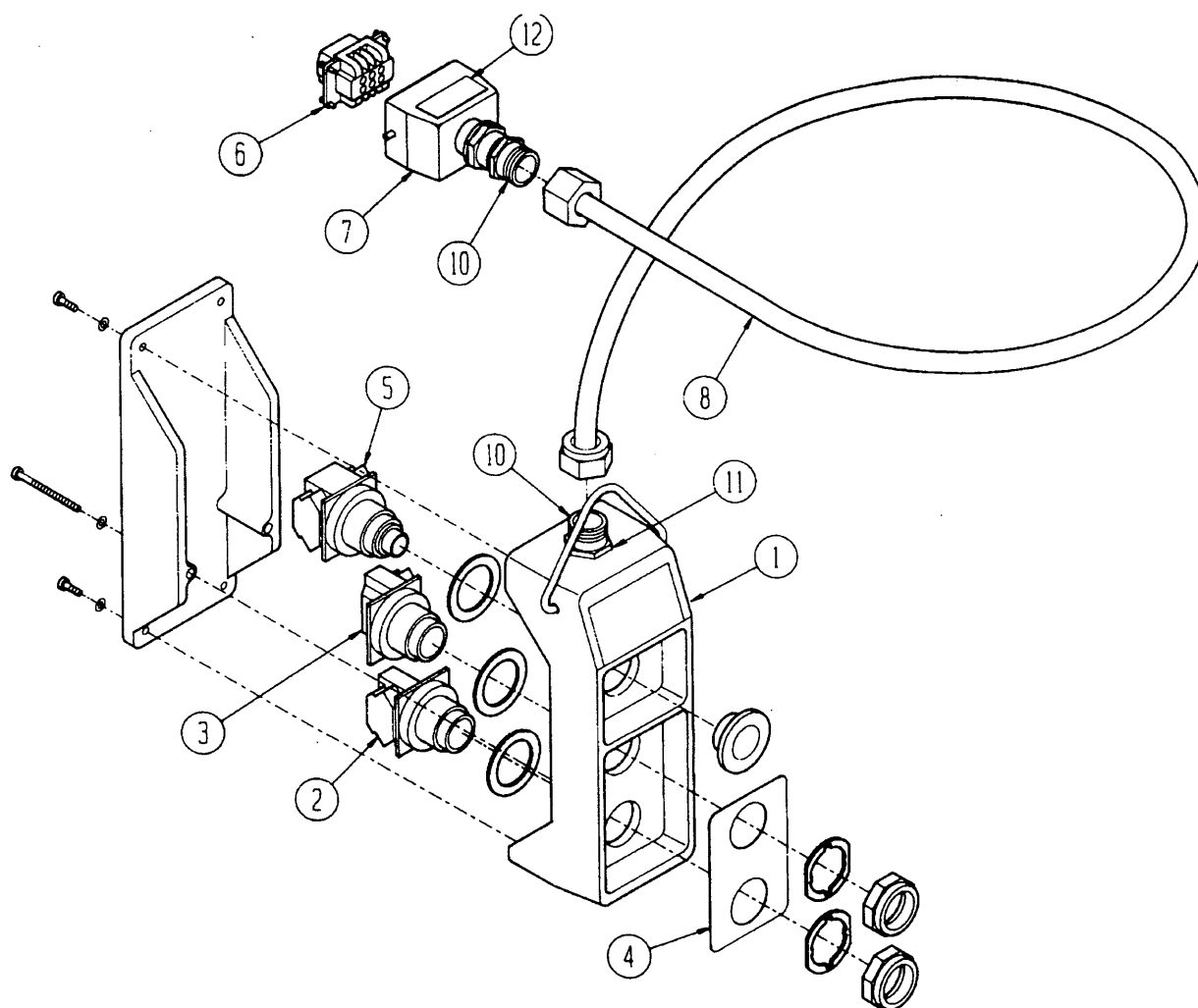
# alpha 1000



## LEGEND:

- SW1 E-STOP SWITCH CONTACT
- SW2 SWITCH DOWN CONTACT
- SW3 SWITCH UP CONTACT
- CS CENTRIFUGAL SWITCH
- K1 DOWN CONTACTOR
- K2 UP CONTACTOR
- M1 MOTOR WINDING
- M2 MOTOR WINDING
- C1 RUN CAPACITOR (30 UF)
- C2 START CAP (130-156 UF)
- R BRIDGE RECTIFIER
- Y BRAKE COIL
- G GROUND
- T1 THERMAL OVERLOAD
- D BREAKDOWN DIODE
- P PENDANT PINS

NOTE: THE PENDANT PINS ARE PRESENT ONLY ON UNITS USING A PENDANT.

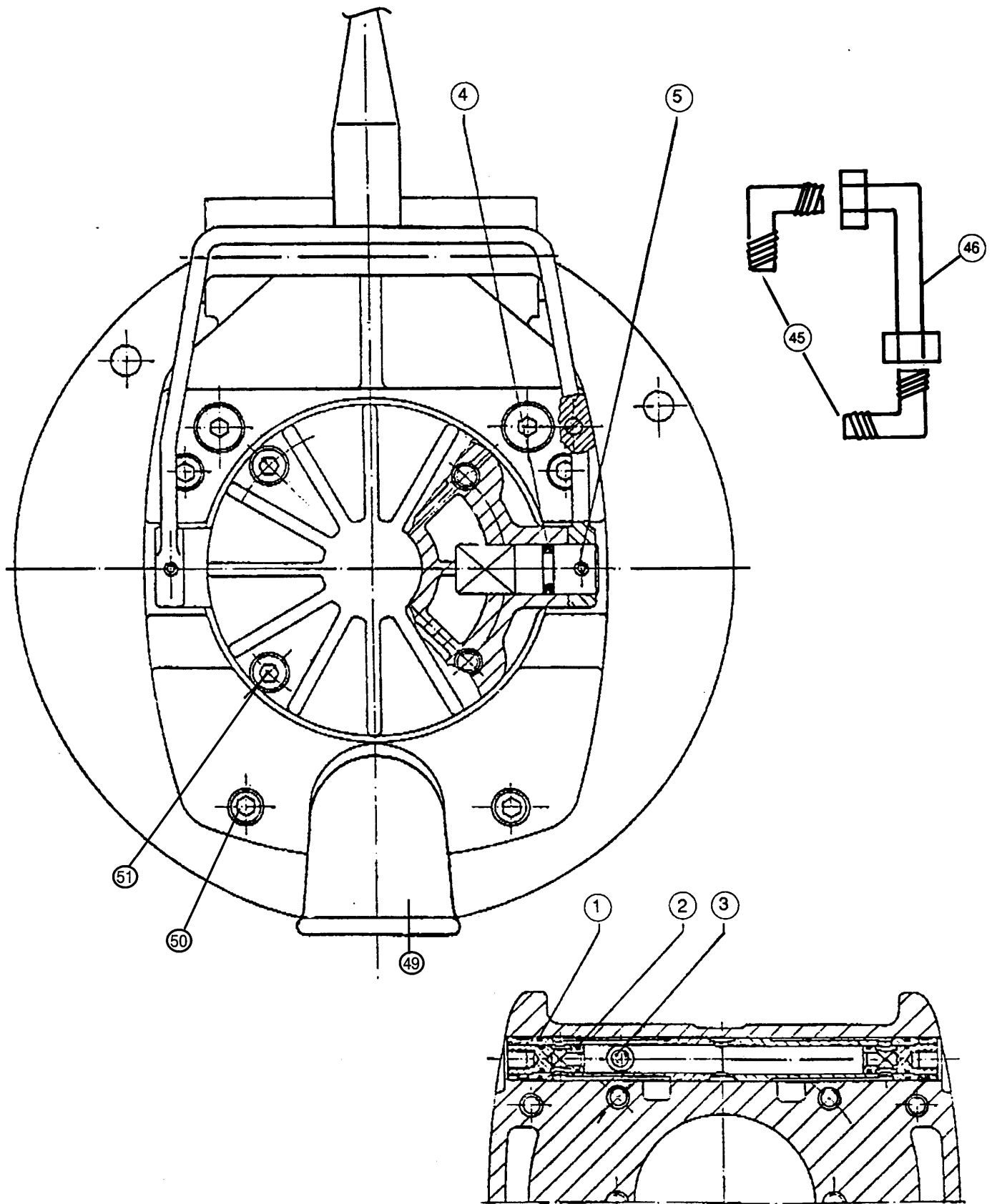


| ITEM | PART NO. | DESCRIPTION                        | QTY     |
|------|----------|------------------------------------|---------|
| 1    | 126-590  | ENCLOSURE                          | 1       |
| 2    | 126-592  | BLK. OPERATOR & N. O. CONTROL      | 1       |
| 3    | 126-593  | WHT. OPERATOR & N. O. CONTROL      | 1       |
| 4    | 126-591  | NAMEPLATE                          | 1       |
| 5    | 126-594  | E-STOP OPERATOR OPERATOR & CONTROL | 1       |
| 6    | 126-580  | INSERT, MALE, 6 PIN                | 1       |
| 7    | 126-581  | TOP ENTRY HOUSING                  | 1       |
| 8    | 126-577  | 5 COND: 16 GA: 600 V: SOW CORD     | 6-24 ft |
| 10   | 126-430  | LIQUID TIGHT CONNECTOR             | 2       |
| 11   | 126-596  | 112" IN. SEALING RING              | 1       |
| 12   | 800-126  | DECAL, PLUG LOCKING                | 1       |

NOTE: US Made Pendant Mount Hoist only.

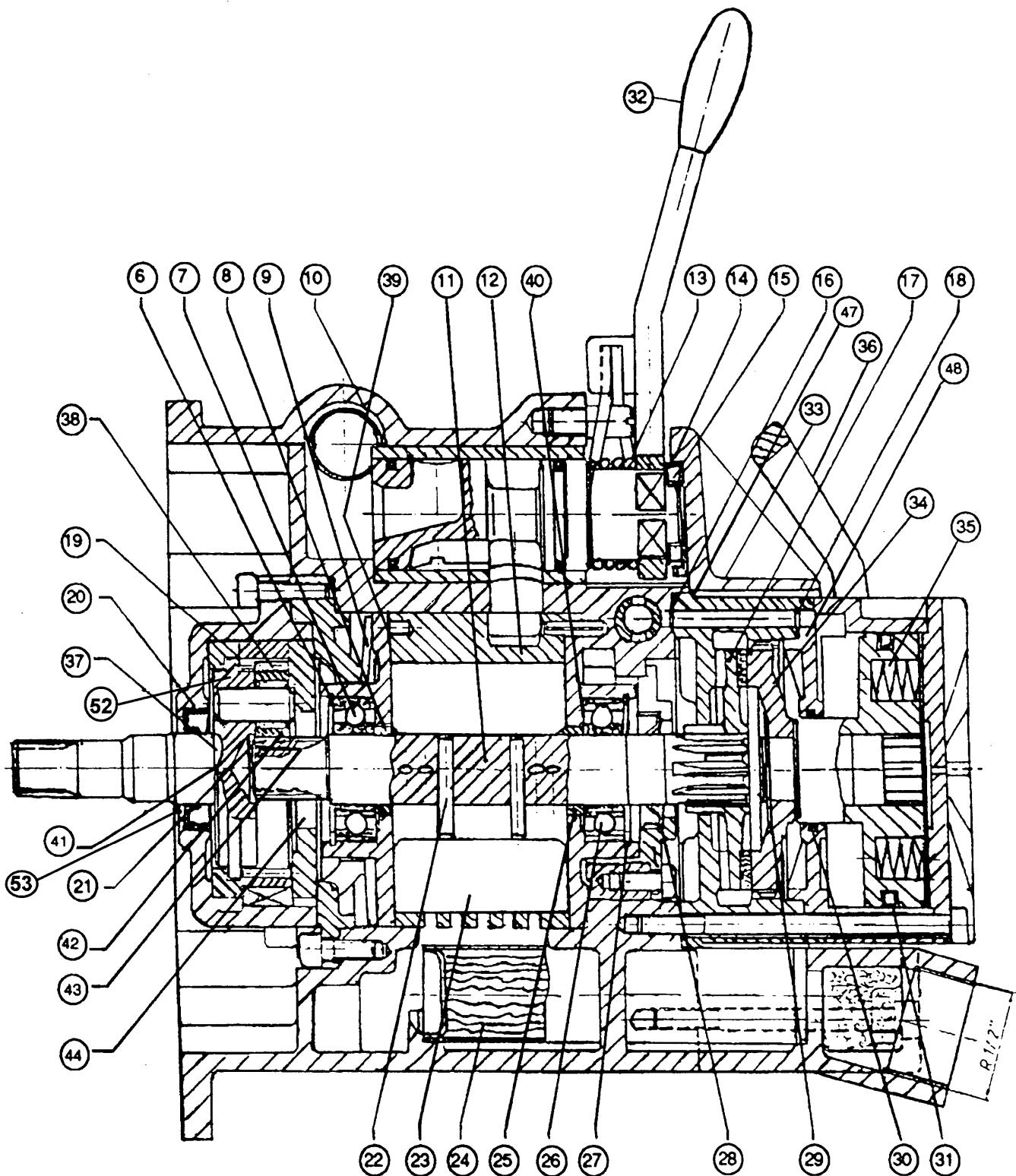
**SPITZNAS AIR MOTOR  
(FRONT VIEW)**

**alpha  $\uparrow$  1000**



# alpha 1000

## SPITZNAS AIR MOTOR (SIDE VIEW)

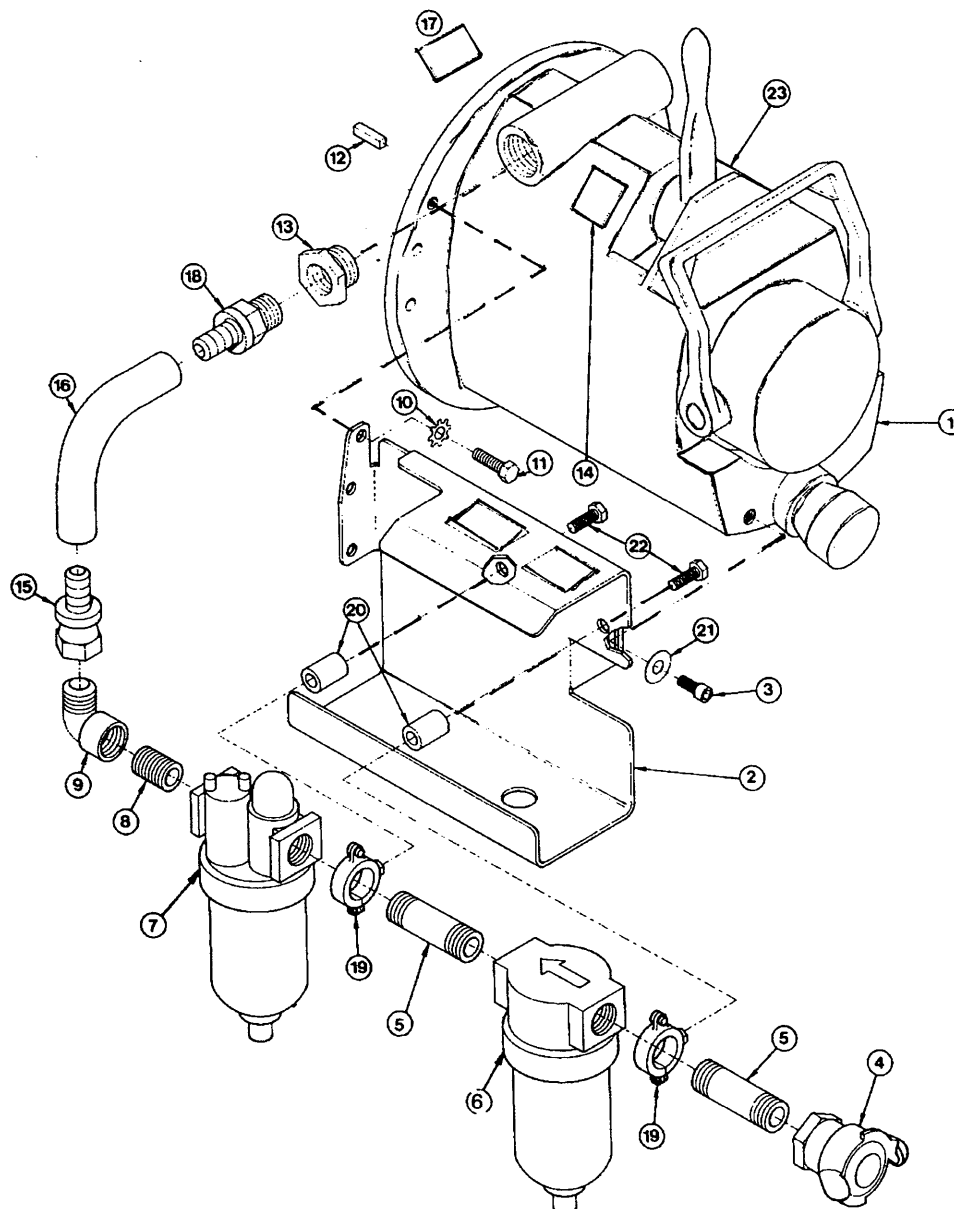


**SPITZNAS AIR MOTOR****alpha  1000**

| ITEM | PART. NO. | DESCRIPTION             | QTY | ITEM | PART. NO. | DESCRIPTION                 | QTY   |
|------|-----------|-------------------------|-----|------|-----------|-----------------------------|-------|
| 1    | 52008305  | O-RING                  | 4   | 28   | 52008308  | SEAL                        | 1     |
| 2    | 52008306  | O-RING                  | 4   | 29   | 13000057  | CIRCLIP                     | 1     |
| 3    | 42008406  | STEEL BALL              | 1   | 30   | 42008430  | QUAD RING                   | 1     |
| 4    | 42008437  | QUAD RING               | 2   | 31   | 42008432  | AIR SEAL                    | 1     |
| 5    | 12003424  | ELASTIC PIN             | 2   | 32   | 42008424  | OPERATE HANDLE              | 1     |
| 6    | 12002142  | CIRCLIP                 | 1   | 33   | 42008427  | BRAKE HOUSING               | 1     |
| 7    | 26008505  | BALL BEARING            | 1   | 34   | 42008434  | PRESSURE DISC               | 1     |
| 8    | 42008417  | DISTANCE BUSHING        | 1   | 35   | 42008433  | PRESSURE SPRING             | 1     |
| 9    | 42008418  | SPRING LOADED WASHER    | 1   | 36   | 42008438  | BRAKE HANDLE RELEASE        | 1     |
| 10   | 52008307  | O-RING                  | 2   | 37   | 43008403  | PLANET CARRIER              | 1     |
| 11   | 42008413  | ROTOR AIR MOTOR         | 1   | 38   | 42008446  | PLANET GEAR WHEEL           | 3     |
| 12   | 42008412  | CYLINDER AIR MOTOR      | 1   | 39   | 42008416  | FRONT CLOSING PLATE         | 1     |
| 13   | 42008423  | SPRING                  | 1   | 40   | 42008410  | BACK CLOSING PLATE          | 1     |
| 14   | 26008538  | AXIAL WASHER            | 2   | 41   | 12002012  | SNAP RING, MOTOR SHAFT/GEAR | 1     |
| 15   | 26008594  | AXIAL NEEDLE ROLLER     | 1   | 42   | 42000453  | GEAR                        | 1     |
| 16   | 52008309  | O-RING                  | 1   | 43   | 14004406  | KEY 4 X 4 X 18 DIN 6885A    | 1     |
| 17   | 42008428  | ROTOR, BRAKE (COMPLETE) | 1   | 44   | 26008592  | BEARING, FAG 16009          | 1     |
| 18   | 52008309  | O-RING                  | 1   | 45   | 42008449  | CORNER CONNECTION           | 1     |
| 19   | 42008441  | FACED RING              | 1   | 46   | 42008450  | CONNECTING TUBE             | 1     |
| 20   | 52008308  | SEAL                    | 1   | 47   | 52008311  | SEAL                        | SPARE |
| 21   | 26008591  | NEEDLE ROLLER           | 3   | 48   | 52008312  | SEAL                        | SPARE |
| 22   | 42008415  | SPECIAL BOLT            | 6   | 49   | 42008451  | EXHAUST                     | SPARE |
| 23   | 42008414  | BLADE                   | 6   | 50   | 11002270  | SCREW                       | SPARE |
| 24   | 42008408  | AIR DAMPER COMPLETE     | 4   | 51   | 11002290  | SCREW                       | SPARE |
| 25   | 42008411  | DISTANCE BUSHING        | 1   | 52   | 42008444  | PLANET CARRIER ASSY         | SPARE |
| 26   | 26008505  | BALL BEARING            | 1   | 53   | 42008420  | SEAL RETAINER               | SPARE |
| 27   | 12002142  | CIRCLIP                 | 1   |      |           |                             |       |

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## SPITZNAS AIR MOTOR ASSEMBLY PARTS

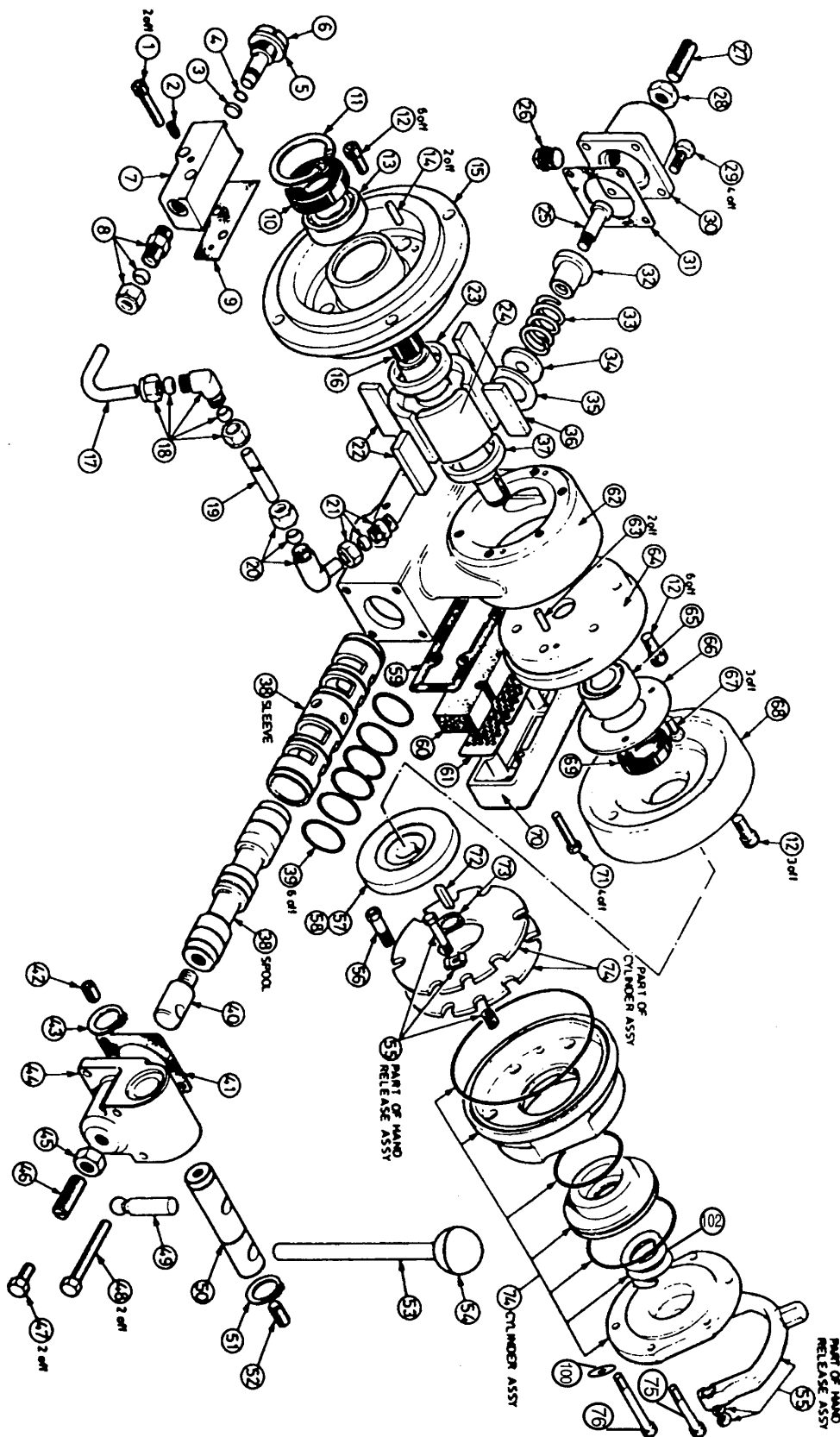


| ITEM | PART NO   | DESCRIPTION          | QTY | ITEM | PART NO   | DESCRIPTION                        | QTY   |
|------|-----------|----------------------|-----|------|-----------|------------------------------------|-------|
| 1    | 43081600  | AIR MOTOR (SPITZNAS) | 1   | 13   | 139-22    | REDUCER BUSHING, 1/2" X 3/8" BRASS | 1     |
| 2    | 800-74    | BRACKET              | 1   | 14   | 600-34    | DECAL, UP - DOWN                   | 1     |
| 3    | 11002280  | BOLT                 | 1   | 15   | 101-124-2 | PIPE TO HOSE SWIVEL CONNECTOR      | 1     |
| 4    | 139-4     | AIR KING CONNECTOR   | 1   | 16   | 101-125-3 | HOSE                               | 5 in. |
| 5    | 101-130   | NIPPLE, PIPE         | 2   | 17   | 800-36    | DECAL - NAMEPLATE                  | 1     |
| 6    | 101-152-2 | FILTER               | 1   | 18   | 101-213   | PIPE TO HOSE CONNECTOR             | 1     |
| 7    | 101-153-1 | LUBRICATOR           | 1   | 19   | 800-87    | BEELINE PIPE CLAMP                 | 2     |
| 8    | 101-206-1 | NIPPLE, CLOSE        | 1   | 20   | 100-31-2  | SPACER                             | 2     |
| 9    | 101-126-2 | ELBOW                | 1   | 21   | 107-626   | 1/4" WASHER                        | 1     |
| 10   | 12000408  | STAR WASHER          | 3   | 22   | 103808    | BOLT                               | 2     |
| 11   | 11000325  | HEX HEAD CAPSCREW    | 3   | 23   | 800-109   | DECAL, DESCENT NOTICE              | 1     |
| 12   | 14004120  | KEY                  | 1   |      |           |                                    |       |



# FENNER AIR MOTOR

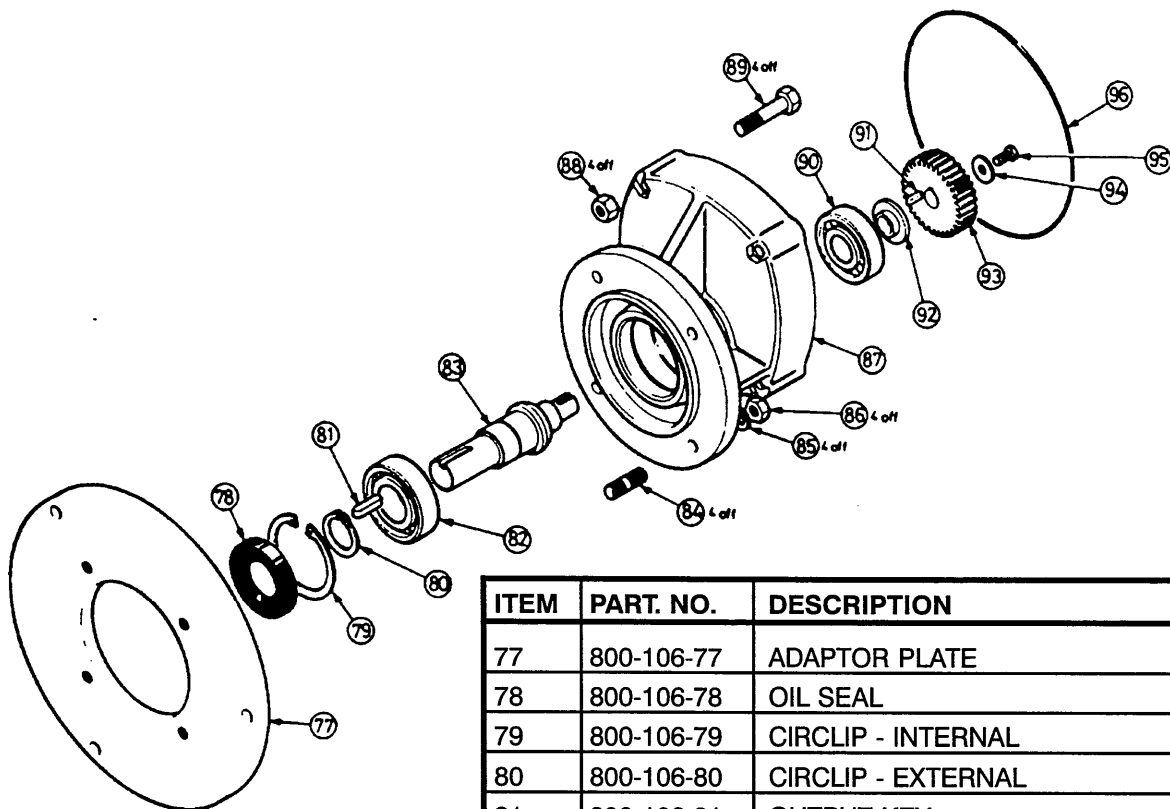
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| ITEM | PART NO.   | DESCRIPTION             | QTY. | ITEM | PART. NO.  | DESCRIPTION            | QTY. |
|------|------------|-------------------------|------|------|------------|------------------------|------|
| 1    | 800-106-1  | CAPSCREW, M5 X 30       | 2    | 38   | 800-106-38 | MATCHED SPOOL & SLEEVE | 1    |
| 2    | 800-106-2  | GRUBSCREW, M5 X 8       | 1    | 39   | 800-106-39 | "O" RING               | 6    |
| 3    | 800-106-3  | DISC, SHUTTLE VALVE     | 1    | 40   | 800-106-40 | TOGGLE SHAFT           | 1    |
| 4    | 800-106-4  | "O" RING                | 1    | 42   | 800-106-42 | GRUBSCREW, M8 X 10     | 1    |
| 5    | 800-106-5  | BONDED SEAL             | 1    | 43   | 800-106-43 | EXTERNAL CIRCLIP       | 2    |
| 6    | 800-106-6  | STEM, SHUTTLE VALVE     | 1    | 44   | 800-106-44 | LEVER CAP              | 1    |
| 7    | 800-106-7  | BODY, SHUTTLE VALVE     | 1    | 48   | 800-106-48 | SET SCREW, M6 X 50     | 2    |
| 8    | 800-106-8  | STUD COUPLING           | 1    | 49   | 800-106-49 | TOGGLE PIN             | 1    |
| 9    | 800-106-9  | GASKET                  | 1    | 50   | 800-106-50 | HAND LEVER PIVOT       | 1    |
| 10   | 800-106-10 | OIL SEAL                | 1    | 52   | 800-106-52 | GRUBSCREW, M8 X 16     | 1    |
| 11   | 800-106-11 | INTERNAL CIRCLIP        | 1    | 53   | 800-106-53 | HAND LEVER             | 1    |
| 12   | 800-106-12 | CAPSCREW, M6 X 16       | 15   | 54   | 800-106-54 | PLASTIC KNOB, BLACK    | 1    |
| 13   | 800-106-13 | BEARING                 | 1    | 55   | 800-106-55 | HAND RELEASE ASSY.     | 1    |
| 14   | 800-106-1  | DOWEL                   | 2    | 56   | 800-106-56 | ADJUSTABLE SPACER      | 3    |
| 15   | 800-106-15 | FRONT PLATE             | 1    | 57   | 800-106-57 | LINING                 | 1    |
| 16   | 800-106-16 | SHAFT ASSEMBLY          | 1    | 58   | 800-106-58 | HUB                    | 1    |
| 17   | 800-106-17 | BUNDY TUBING            | A/R  | 59   | 800-106-59 | SILENCER GASKET        | 1    |
| 18   | 800-106-18 | ELBOW                   | 1    | 60   | 800-106-60 | SILENCER ELEMENT       | 1    |
| 20   | 800-106-20 | STANDPIPE ELBOW         | 1    | 61   | 800-106-61 | SILENCER SCREEN        | 1    |
| 21   | 800-106-21 | STUD COUPLING           | 1    | 62   | 800-106-62 | V4 BODY                | 1    |
| 22   | 800-106-22 | ROTOR BLADE             | 4    | 63   | 800-106-63 | DOWEL                  | 2    |
| 23   | 800-106-23 | EJECTION RING           | 2    | 64   | 800-106-64 | END PLATE              | 1    |
| 24   | 800-106-24 | SHAFT & ROTOR           | 1    | 65   | 800-106-65 | BEARING                | 1    |
| 25   | 800-106-25 | SHOULDER SCREW          | 1    | 66   | 800-106-66 | CLAMP PLATE            | 1    |
| 26   | 800-106-26 | VENT PLUG               | 1    | 67   | 800-106-67 | HEX HEAD BOLT, M5 X 30 | 3    |
| 27   | 800-106-27 | STOP SCREW              | 1    | 68   | 800-106-68 | DISC BRAKE MOUNT       | 1    |
| 28   | 800-106-28 | HEX. NUT, M10           | 2    | 69   | 800-106-69 | OIL SEAL               | 1    |
| 29   | 800-106-29 | SET SCREW, M6 X 16      | 6    | 70   | 800-106-70 | SILENCER BODY          | 1    |
| 30   | 800-106-30 | END CAP                 | 1    | 71   | 800-106-71 | HEX HEAD BOLT, M5 X 30 | 4    |
| 31   | 800-106-31 | GASKET                  | 2    | 72   | 800-106-72 | KEY                    | 1    |
| 32   | 800-106-32 | CENTERING SHAFT GUIDE   | 1    | 73   | 800-106-73 | EXTERNAL CIRCLIP       | 1    |
| 33   | 800-106-33 | SPRING                  | 1    | 74   | 800-106-74 | CYLINDER ASSY.         | 1    |
| 34   | 800-106-34 | WASHER-SPRING CENTERING | 1    | 75   | 800-106-75 | CAPSCREW M5 X 16       | 3    |
| 35   | 800-106-35 | VALVE SLEEVE SPACER     | 1    | 76   | 800-106-76 | CAPSCREW, M5 X 50      | 3    |

# FENNER GEARBOX

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| ITEM | PART. NO.   | DESCRIPTION                    | QTY.  |
|------|-------------|--------------------------------|-------|
| 77   | 800-106-77  | ADAPTOR PLATE                  | 1     |
| 78   | 800-106-78  | OIL SEAL                       | 1     |
| 79   | 800-106-79  | CIRCLIP - INTERNAL             | 1     |
| 80   | 800-106-80  | CIRCLIP - EXTERNAL             | 1     |
| 81   | 800-106-81  | OUTPUT KEY                     | 1     |
| 82   | 800-106-82  | BALL BEARING                   | 1     |
| 83   | 800-106-83  | OUTPUT SHAFT                   | 1     |
| 84   | 800-106-84  | STUD                           | 4     |
| 85   | 800-106-85  | WASHER                         | 4     |
| 86   | 800-106-86  | NUT                            | 4     |
| 87   | 800-106-87  | MAINCASE                       | 1     |
| 88   | 800-106-88  | NUT                            | 4     |
| 89   | 800-106-89  | HEX. HEAD BOLT                 | 4     |
| 90   | 800-106-90  | BALL BEARING                   | 1     |
| 91   | 800-106-91  | KEY                            | 1     |
| 92   | 800-106-92  | OUTPUT SPACER                  | 1     |
| 93   | 800-106-93  | INPUT GEAR                     | 1     |
| 94   | 800-106-94  | RETAINING WASHER               | 1     |
| 95   | 800-106-95  | HEX. HEAD SETSCREW             | 1     |
| 96   | 800-106-96  | "O" RING                       | 1     |
| 97   | 800-106-97  | BODY GASKET - BLUE             | Spare |
| 98   | 800-106-98  | BODY GASKET - GREEN            | Spare |
| 99   | 800-106-99  | BODY GASKET - ORANGE           | Spare |
| 100  | 800-106-100 | SHIM WASHER M5                 | 6     |
| 101  | 800-106-101 | HARDWARE-HANDLE KIT #742-907-7 | Spare |
| 102  | 800-106-102 | BRAKE, SPRING, #742-026        | Spare |

# **SKY CLIMBER®**

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