

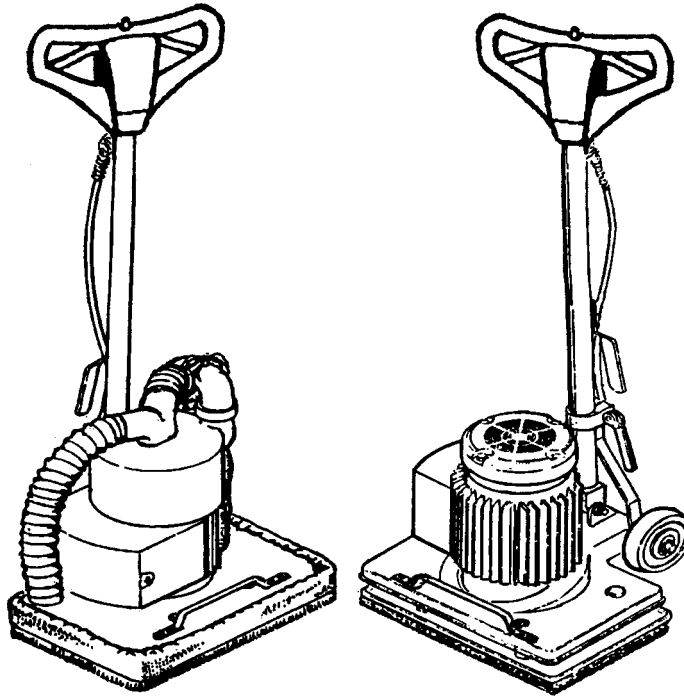
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ALTO®

AMERICAN SANDERS
TECHNOLOGY

**Service
Manual**



**OBS-18
OBS-18DC**

READ THIS BOOK

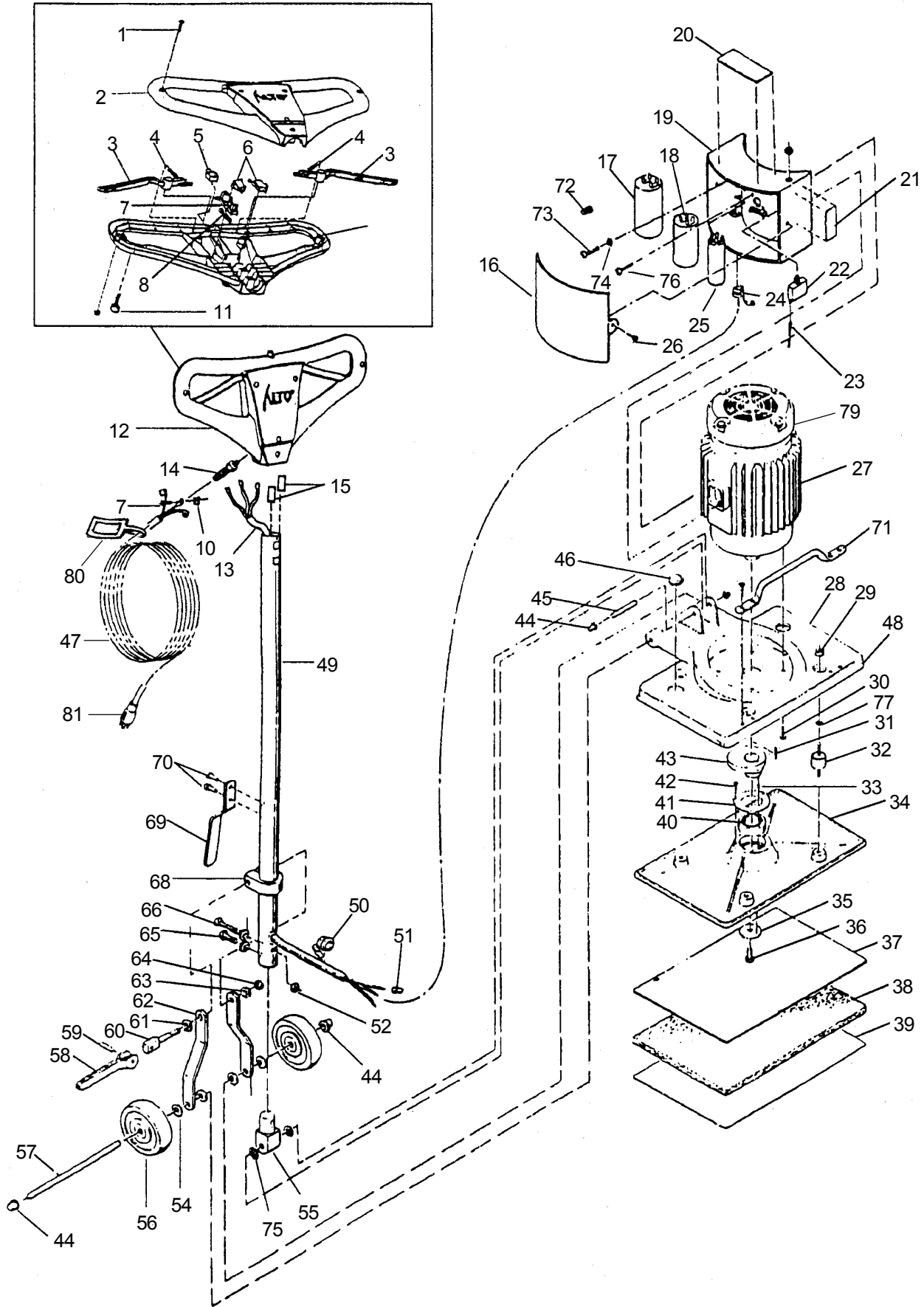
This book has important information for the use and safe operation of this machine. Failure to read this book prior to operating or attempting any service or maintenance procedure to your American Sanders Technology machine could result in injury to you or to other personnel; damage to the machine or to other property could occur as well. You must have training in the operation of this machine before using it. If you cannot read English, have this manual explained fully before attempting to operate this machine.

Si Ud. no pueden leer el Inglés, se hagan explicar este manual completamente antes de tratar el manejo o servicio de esta máquina.

All directions given in this book are as seen from the operator's position at the rear of the machine.

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AMERICAN SANDERSTECHNOLOGY OBS-18
 Assembly Drawing 10/01

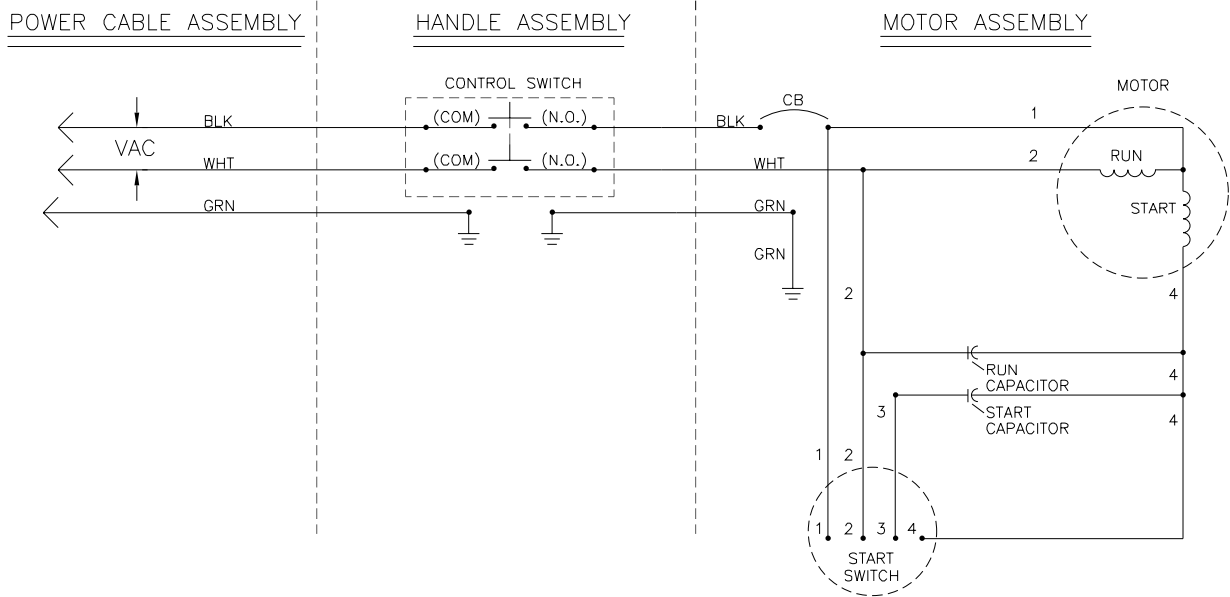


AMERICAN SANDERS TECHNOLOGY OBS-18
Assembly Drawing 10/01

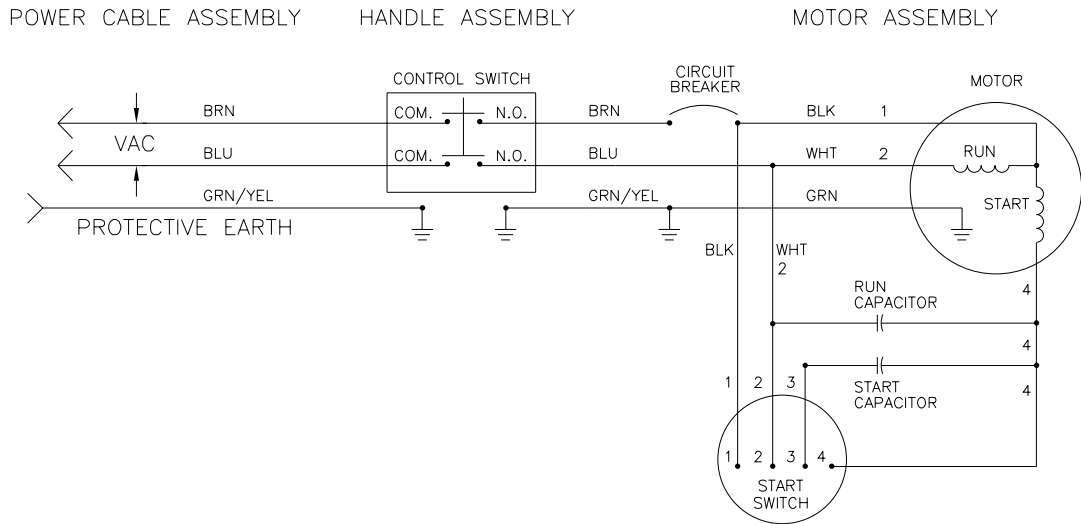
| Ref. # | Part No. | Description | Qty |
|--------|----------|-----------------------------|-------|
| 1 | 85383A | Screw, 10-33 x 3/4 | 8 |
| 2 | 50779A | Handle, Front | 1 |
| 3 | 50798A | Lever, Switch | 2 |
| 4 | 50820A | Spring, Extension | 2 |
| 5 | 50806A | Button, Interlock | 1 |
| 6 | 40109A | Switch | 2 |
| 7 | 50799A | Interlock, Main | 1 |
| 8 | 50821A | Spring, Compression | 1 |
| 9 | 50780A | Handle, Rear | 1 |
| 10 | 920722 | Nut, 10-32 ESNA | 8 |
| 11 | 962957 | Screw (CE) | 1 |
| 12 | 170686 | Lock Nut | 1 |
| 13 | 40522A | Cord, Interconnect | 1 |
| | 10250A | Cord, Interconnect (230V) | 1 |
| 14 | 50797A | Strain Relief | 1 |
| | 58013A | Strain Relief (230V) | 1 |
| 15 | 50930A | Cord, Retainer | 1 |
| 16 | 62667A | Cover, Enclosure | 1 |
| 17 | 41312A | Capacitor, Start (115V) 1 | |
| | 41314A | Capacitor, Start (230V) 1 | |
| 18 | 41311A | Capacitor, Run (115V) | 1 |
| | 41313A | Capacitor, Run (230V) | 1 |
| 19 | 22906A | Enclosure, Motor Starter | 1 |
| 20 | 77195A | Label, Sanding Warning | 1 |
| 21 | 77234A | Label, Heavy Object | 1 |
| 22 | 41419A | Circuit Breaker (115V) | 1 |
| | 41418B | Circuit Breaker(230V) | 1 |
| 23 | 47709A | Terminal, 1/4 QD | 1 |
| 24 | 51523A | Strain Relief | 1 |
| 25 | 40160A | Switch, Start (115V) | 1 |
| | 47378A | Switch, Start (230V) | 1 |
| 26 | 962727 | Screw, 8-32 x 1/2 | 2 |
| 27 | 44667A | Motor (115V) | 1 |
| | 44668A | Motor (230V) | 1 |
| 28 | 25907B | Mainframe | 1 |
| 29 | 81220A | Nut, 1/4-20 Srt'd. Flange 4 | |
| 30 | 86110A | Screw 3/8-16 x 1 | 4 |
| 31 | 915044 | Key, 3/16 X 1 | 1 |
| 32 | 10666A | Kit, Spring Mount | 1 |
| 33 | 925589 | Pin 1/8 x 1/2 Roll | 1 |
| 34 | 20901A | Base, Pad Driver | 1 |
| 35 | 66982A | Retainer, Eccentric | 1 |
| 36 | 85718A | Screw, 1/2-13 x 3/4 | 1 |
| 37 | 32519A | Pad Driver | 1 |
| 38 | 976550 | Pad, White | cnt20 |

| Ref. # | Part No. | Description | Qty |
|--------|----------|------------------------------|-------|
| 39 | ----- | Abrasive (sanding only) | Pg. 9 |
| 40 | 50736A | Bearing | 1 |
| 41 | 66981A | Retainer, Bearing | 1 |
| 42 | 87700A | Screw, 1/4-20 x 1/2 | 5 |
| 43 | 62814A | Eccentric | 1 |
| 44 | 920346 | Palnut, 1/2" | 4 |
| 45 | 67474A | Shaft, Handle | 1 |
| 46 | 306802 | Plug | 1 |
| 47 | 50991A | Cord, Asm. (Includes #14) | 1 |
| | 40524A | Cord Asm. (incl. #14) (230V) | 1 |
| | 40523A | Cord Asm. (incl. #14) (CE) | 1 |
| 48 | 31224B | Bumper | 1 |
| 49 | 69153B | Tube, Handle | 1 |
| 50 | 627561 | Bushing, Strain Relief | 1 |
| 51 | 170667 | Nut, Wire | 3 |
| 52 | 920110 | Nut, 5/16-18 ESNA | 1 |
| 53 | 60448A | Arm, Link LH | 1 |
| 54 | 980215 | Washer, 1/2 Nylon | 4 |
| 55 | 509240 | Tongue | 1 |
| 56 | 39857A | Wheel, 5" | 2 |
| 57 | 60529A | Axle, Wheel | 1 |
| 58 | 461404 | Cam, Locking | 1 |
| 59 | 925592 | Pin, 1/4 x 3/4 Roll | 1 |
| 60 | 441301 | Bolt, Cam Locking | 1 |
| 61 | 980349 | Washer, Wear | 1 |
| 62 | 60447A | Arm, Link RH | 1 |
| 63 | 980645 | Washer, 3/8 Plain | 1 |
| 64 | 920248 | Nut, 3/8-16 ESNA | 1 |
| 65 | 85812A | Screw, 5/16-18 x 7/8 | 1 |
| 66 | 85817A | Screw, 5/16-18 x 2 | 1 |
| 67 | 980652 | Washer, 5/16 Lock | 2 |
| 68 | 442001 | Clamp, Handle | 1 |
| 69 | 64325A | Cord Hook | 1 |
| 70 | 930005 | Rivet | 2 |
| 71 | 54930A | Handle, Lift | 1 |
| 72 | 170667 | Connector | 1 |
| 73 | 85833A | Screw, 10-32 x 3/8 | 1 |
| 74 | 980603 | Washer #10 Ext | 1 |
| 75 | 980681 | Washer, Bowed | 2 |
| 76 | 962822 | Screw, 1/4-20 x 5/8 | 2 |
| 77 | 980614 | Washer 1/4 EXT | 4 |
| 78 | 84233A | Screw, 1/4-20x3/4 FT | 4 |
| 79 | 52465A | Fan Cover OBS18 | 1 |
| 80 | 70175A | Tag, Warning | 1 |
| 81 | 911248 | Plug | 1 |

AMERICAN SANDERS TECHNOLOGY OBS-18 & 18DC
120v 60 Hz & 230v 50Hz
Electrical Schematic 10/98



AMERICAN SANDERS TECHNOLOGY OBS-18 & 18DC
230v 50 Hz "CE"
Electrical Schematic 10/98



Sanding Cuts and Sandpaper

Initial Cut

The purpose of the initial cut is to remove old finish and gross imperfections on the floor surface. Use a course (20-36 grit) grain abrasive.

Final Cuts

The purpose of a finishing cut is to remove the scratches produced during the initial cut. Use a fine (60-80 grit) grain abrasive.

If the surface remains rough after a finishing cut, it may be necessary to use an even finer grain of abrasive (80-100grit). Care should be taken in selecting the grit size of the abrasive. A very fine grain will close the pores on a wood floor making admission of a stain difficult.

If glazing or burning should occur the abrasive has dulled and must be replaced.

| Grain | Use | Standard Grade Part #/Qty. | Professional Grade Part #/Qty. |
|--|--|-------------------------------|--------------------------------|
| 20 grit | For removing gross imperfections and restoring evenness to old flooring. To remove buildup of paints and varnishes | 945950/10 | |
| 36 grit | For the first sanding of new flooring (maple, oak). For removing minor imperfections and finishes from old flooring. | 945951/20 | |
| $\frac{60 \text{ grit}}{60 \text{ grit}}$ — screen mesh | For clean-up from initial cut 36 grit. | $\frac{945954/20}{945960/20}$ | |
| $\frac{80 \text{ grit}}{80 \text{ grit}}$ — screen mesh | For final sanding of certain hardwoods. For clean-up of cuts (60 grit). | $\frac{945955/20}{945961/20}$ | |
| $\frac{100 \text{ grit}}{100 \text{ grit}}$ — screen mesh | For final sanding of certain hardwoods and conifers where a smooth surface is desired. | $\frac{945956/20}{945962/20}$ | |
| 120 grit screen mesh | For final sanding of certain hardwoods and conifers where a smooth surface is desired. For leveling after initial finish coat. | 945963/20 | |
| 150 grit screen mesh | For scratching surface between coats of finish | 945964/20 | |
| 180 grit screen mesh | For surface roughing between coats of finish. | 945965/20 | |