**Primary direction of rotation**

- **Hauptdrehrichtung**
- **Direction primaire de rotation**

Richten Sie den Schalter zum bevorzugten Betrieb aus.
Polariser le commutateur le mode requis.

**Run button**
- **Lauftaste**
- **Bouton de marche**

**Reverse button**
- **Rückwärtsknopf**
- **Bouton d’inversion**

**Manual or Automatic mode**

- **Hand- oder Automatikbetrieb**
- **Mode Manuel ou Automatique**

for Manual operation
- **für Handbetrieb**
- **pour fonctionnement Manuel**

for Automatic operation
- **für Automatikbetrieb**
- **pour fonctionnement Automatique**

---

- **Indicates normal replacement items. It is recommended that adequate stocks are held for servicing requirements.**
- **Indique les pièces de rechange normales. Il est recommandé de conserver des stocks suffisants pour assurer la maintenance.**
- *** Bedeutet normale Verschleißteile. Es empfiehlt sich, eine ausreichende Menge für Wartungszwecke auf Lager zu halten.**
- **Bei Bestellung von Ersatzteilen, bitte immer angeben: Typennummer der Bohrmaschine, Werkknürr und Ersatzteillenummer.**
- *** Le symbole astérisque (*) indique des articles de rechange normaux. Il est recommande d’en conserver des stocks suffisants pour assurer toutes les opérations d’entretien courant.**
- *** Indica elementos de reposición regular. Se recomienda tener una cantidad adecuada de estos mismos en reserva a efectos de mantenimiento.**
- **Al encargar piezas de recambio, siempre debe indicarse el número de modelo de la herramienta, su número de serie y el número de pieza de recambio.**
- *** Indica itens que são substituídos regularmente. É recomendado que estoques adequados sejam mantidos para requisitos de manutenção.**
- **Cite sempre o número do modelo da ferramenta, número de série, e número da peça acessória quando pedindo acessórios.**
- *** L’asterisque denota recomb normali. Si consiglia di mantenere variante adeguate alle esigenze della manutenzione.**
- **Non ordinare di ricambi citare il numero di modulo dell’utensile, il numero di matricola e quello del catalogo del pezzo.**

---

**Printed in England**

**Part No. 381083 Issue 5 12.97**
<table>
<thead>
<tr>
<th>Item</th>
<th>Part No</th>
<th>Qty</th>
<th>Part No</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>259843</td>
<td>1</td>
<td>2000 RPM</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>(1400 RPM)</td>
<td></td>
<td>(750 RPM)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(750 RPM)</td>
<td></td>
<td>(450 RPM)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>205683</td>
<td>13</td>
<td>(450 RPM)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>(450 RPM)</td>
<td></td>
<td>(1400 RPM)</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>205183</td>
<td>1</td>
<td>174243</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>224513</td>
<td>1</td>
<td>750 RPM</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>174313</td>
<td></td>
<td>(750 RPM)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>(450 RPM)</td>
<td></td>
<td>(450 RPM)</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>170233</td>
<td>16</td>
<td>174303</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>(2000 RPM)</td>
<td></td>
<td>(1400 RPM)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(750 RPM)</td>
<td></td>
<td>(750 RPM)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(450 RPM)</td>
<td></td>
<td>(450 RPM)</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>224503</td>
<td>3</td>
<td>174253</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>(2000 RPM)</td>
<td></td>
<td>(750 RPM)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>(1400 RPM)</td>
<td></td>
<td>(1400 RPM)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(750 RPM)</td>
<td></td>
<td>(750 RPM)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(450 RPM)</td>
<td></td>
<td>(450 RPM)</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>170223</td>
<td>8</td>
<td>170273</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>(2000 RPM)</td>
<td></td>
<td>(750 RPM)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>(1400 RPM)</td>
<td></td>
<td>(450 RPM)</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>171173</td>
<td>1</td>
<td>259823</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>170213</td>
<td>2</td>
<td>259823</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>(1400 RPM)</td>
<td></td>
<td>(450 RPM)</td>
<td>3</td>
</tr>
<tr>
<td>9</td>
<td>170253</td>
<td>1</td>
<td>2423</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1400 RPM</td>
<td></td>
<td>1400 RPM</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>170253</td>
<td>1</td>
<td>2423</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1400 RPM</td>
<td></td>
<td>1400 RPM</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(750 RPM)</td>
<td></td>
<td>(750 RPM)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2423</td>
<td>2</td>
<td>2423</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>(450 RPM)</td>
<td></td>
<td>(450 RPM)</td>
<td>2</td>
</tr>
</tbody>
</table>

Printed in England 3 of 15

Part No. 381083 Issue 5 12.97
STATEMENT OF USE
Product is designed for installing and removing threaded fasteners in wood, metal and plastic.

REQUIREMENTS
This tool requires a 36V DC supply and is to be operated through a controller on a 42V DC supply.
Units available are listed below:
ESP1 Power module requires mains voltage supply, provides a single 42V DC output.
ESP2 Power module requires mains voltage supply, provides five 42V DC outputs.
ESP3 Controller unit provides three running options.
ESP4 Controller unit provides several running options and a 9 position speed selector switch.
ESP6 Combined power and controller module requires mains voltage supply, provides one running option.
Where controllers have manual or automatic mode options, this tool can be used in either mode.

ACCESSORIES
A wide range of accessories are available and suitable items should be selected from the relevant Desoutter catalogue.

OPERATING INSTRUCTIONS
With the correct accessory fitted, connect the tool through the controller to the power supply.
Select the appropriate programme on the controller from the normal/slow start, auto reverse and timed reverse options.
Grip the tool around the motor case and press the tool into the fixing that is to be tightened; the motor will start when the controller is in automatic mode.
When in manual mode the motor will not start until the RUN button is pressed.
The fixing is tightened to the required torque set by adjusting the tension on the clutch spring.
The clutch resets when the tool is lifted from the tightened fastener.
To engage reverse rotation press the reverse button and hold the tool against the fastener.
NOTE: In tools with standard clutches, the torque control does not operate in reverse, the torque output in reverse equals motor stall torque.
Do not allow tool to stall for more than one second.
Default push start rotation is clockwise; this may be changed by pressing both run and reverse buttons together for five seconds, then releasing both together, followed by pressing either the run button (clockwise) or the reverse button (anti-clockwise).

MAINTENANCE INSTRUCTIONS
Lubrication
157933 - Molykote Plastislip PG75
273273 - BP Q518
208693 - Roel M204G
Do not pack gears or bearings with grease, only light oil.
Use only the minimum amount of grease to locate components when assembling.

Assembly and Dismantling
Follow normal engineering practices and with references to the illustration build the components into sub-assemblies.
Disconnect Connector (10). Desolder only those wires necessary to component removal.
The NORTH POLE (white paint) of magnet (19) MUST be assembled into the transmission shaft (21) FIRST.
To Set the Hall Effect
Remove case halves (5,6) and screws (18),
Place the Hall Effect Carrier assembly as fully forward as adjustment will allow and retain with screws (23)
Ensure motor GREY wire is connected to +* motor terminal.
Connect to controller, set for automatic operation; switch on mains supply; the motor should RUN.
Move the Hall Effect Carrier assembly towards the motor, noting when the motor switches OFF.
From this point move the Hall Effect Carrier assembly FORWARD ONE INCREMENT 0.5-1.0mm.

NOTE: The Hall Effect Carrier adjustment is in increments of 0.5mm.
Switch off power supply, tighten screws (23) and replace case halves.

DATA
Rated Input = 35 W
Rated Current = 2.5 amps.
Sound Pressure Level (dBA) = 59 ± 2 re. CAGI-PNEUROP Test code
Vibration Level (m/sec²) = < 2.5 re. ISO 8662
Weight
SSV2A-2000, 1400, 750 = 0.8 kg
SSV2A-450 = 0.9 kg

TORQUE RANGE
Clutch Spring
COLOUR PART No. TOOL SPEED TORQUE RANGE Nm
Black 179923 2000 & 1400 0.4 - 0.8
Black 179923 750 0.63 - 0.82
Black 179923 450 0.7 - 0.82
White 179133 2000 0.63 - 0.9
White 179133 1400 0.63 - 0.8
White 179133 750 0.63 - 1.5
White 179133 450 0.7 - 2.3

WARNING
Before using, installing, repairing or changing accessories, read and understand these instructions.

1. Tool operates through a 36V DC supply - do not connect directly to the mains.
2. Disconnect the power supply before handling the screwdriver bit or socket or dismantling the tool.
3. Keep loose articles of clothing or long hair away from the tool when in use.
4. Hold the tool correctly; be ready to counteract normal or sudden movements - have both hands available.
5. Do not use in confined spaces; beware of crushing hands between the tool and workpiece, especially when unscrewing.
6. Immediately after adjusting the clutch, check for correct operation.
7. Do not use in worn condition; the clutch may not operate, resulting in sudden rotation of the tool handle.
8. Ensure that the workpiece is properly supported.
9. Must not be used in explosive atmospheres.
10. Power tools are not insulated from coming into contact with electric power.

© Copyright 1997, Desoutter, HP2 7DR, UK
All rights reserved. Any unauthorized use or copying of the contents or part thereof is prohibited. This applies in particular to trademarks, model descriptions, part numbers and drawings.
Use only authorized parts. Any damage or malfunction caused by the use of unauthorized parts is not covered by Warranty or Product Liability.

Desoutter Limited. HP2 7DR, UK

Printed in England 4 of 15 Part No. 381883 Issue 5 12.97