

# Service and Repair Instructions

## Vertex Fasteners Pneumatic Stapler Type VA0261

This Spare parts list/service instructions and the enclosed Operator's Manual constitute the Operating Instructions. Before using read both and strictly observe safety instructions.

### Service and repair

**Attention!** Always disconnect the tool from its air supply and empty magazine before attempting any repair. Always fix the cap with a torque wrench adjusted to 8 Nm.

#### To replace driver blade

Loosen cap VC7104 (fig. 1). Invert machine and tap gently on wooden surface to remove piston/driver blade assembly (fig. 2). With a pin punch tap out pin VC7330.

The driver blade can then be removed. Replacement of the blade is a reversal of the above procedure.

#### To replace piston O-ring

See instructions "to replace driver blade", then replace O-ring VC7326 (fig. 3) and grease with grease, or oil, before refitting.

After inserting the pin VC7330 the holes at both sides of the plastic piston have to be deformed again to prevent movement of the pin, which can then damage the cylinder. In order to do this, lay a drift punch, diameter 3mm, across the hole (fig.4) and hit the punch drift with a hammer so that the hole is deformed a little bit.

#### To replace bumper

With the piston/driver assembly removed always check the bumper. Push out bumper from below with a screwdriver.

#### To replace feeder bar and tension spring

(Two stick version Fig. 4 lower)

To release rail assembly remove cap screw VC7363 and the rail stop assembly.

Withdraw rail assembly. It is now an easy operation to replace the tension spring VC7099 or the pusher (fig. 4). Reassembly is a reversal of the above.

#### Changing of automatic valve

Remove pin VC7107 and remove trigger. Remove valve body and replace completely (fig. 5).

#### Adjustment of Cycle Speed of the Automatic Valve

The cycle speed of the automatic valve can be infinitely varied between 0 - 1600 staples per minute. By turning the adjusting screw

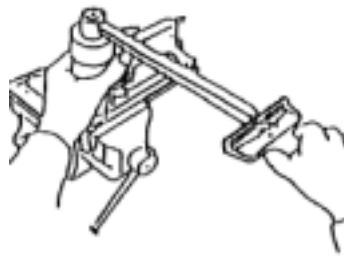
VC7111 anti-clockwise the frequency of the operation is increased. With light pressure on the trigger the single shot mode is achieved.

By further pressure on the valve trigger the tool works with the frequency adjusted before.

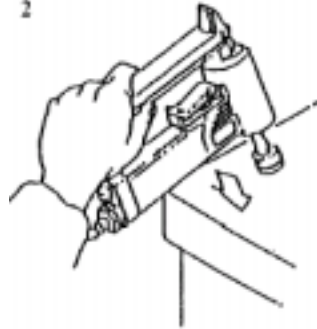
If for one operation both the single shot mode and the automatic shot mode are required, both sections can be separated safely by adjusting the valve bushing VC7118 with the special key, which is supplied as accessory together with the stapler. By turning the valve bushing clockwise the range of the single shot mode is increased, whilst the range is reduced by turning the bushing anticlockwise.

In case of malfunction of the valve loosen valve socket VC7116 with the special key. Replace valve insert completely or replace all O-ring. For reassembly grease all parts with O-ring grease and check function.

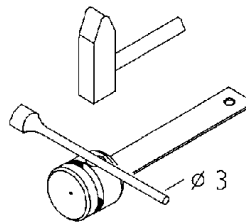
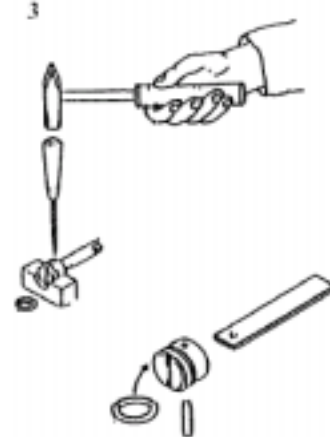
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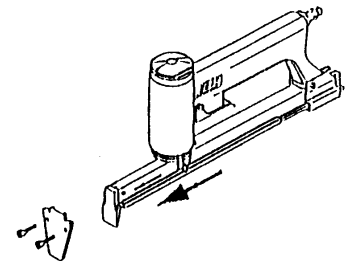
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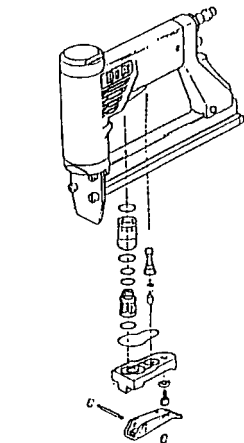
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# Tool Parts

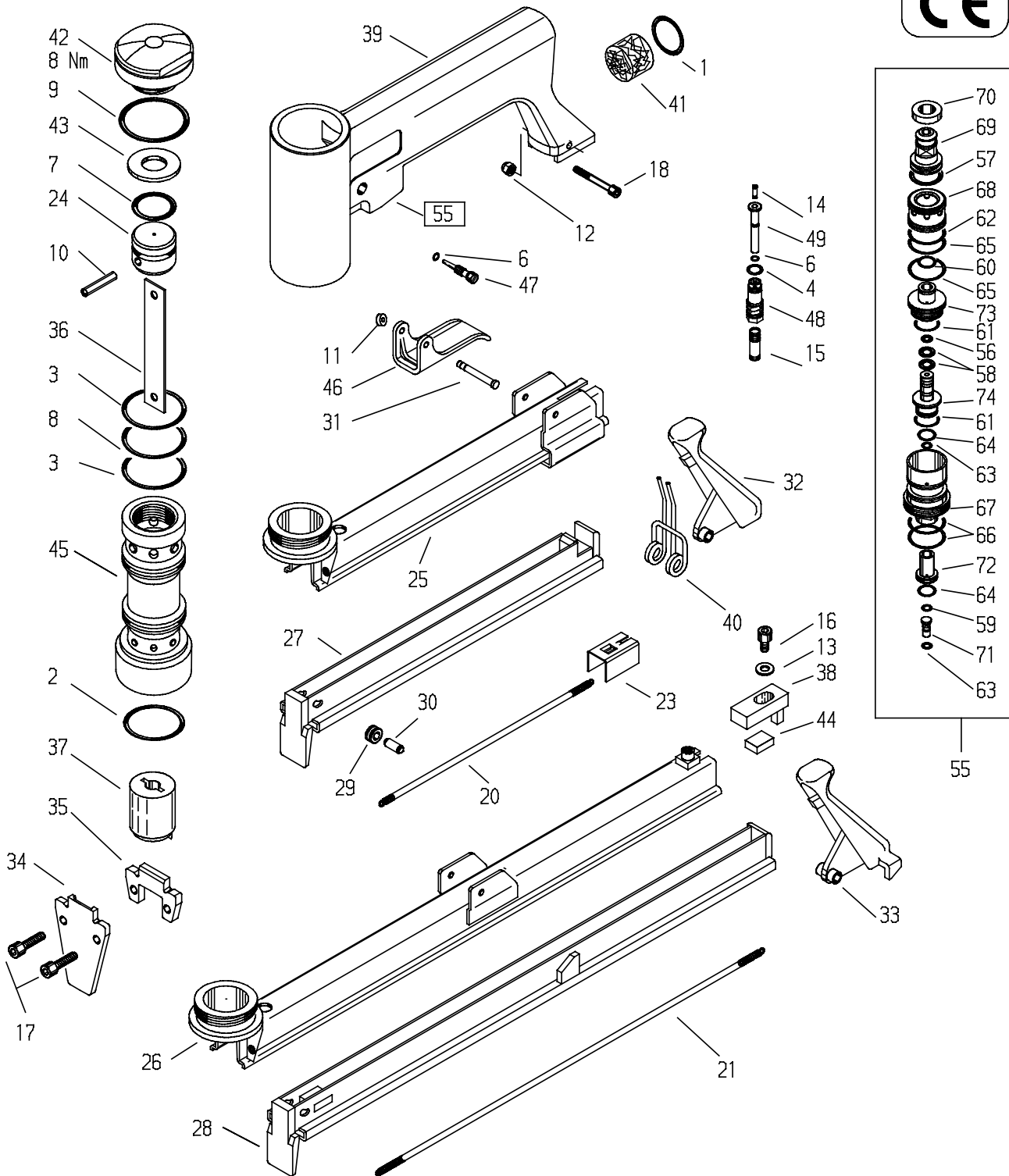
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| Call-out # | Part Number | Description              | Quantity |
|------------|-------------|--------------------------|----------|
| 1          | VC7282      | O-ring                   | 1        |
| 2          | VC7285      | O-ring                   | 1        |
| 3          | VC7286      | O-ring                   | 2        |
| 4          | VC7297      | O-ring                   | 1        |
| 6          | VC7301      | O-ring                   | 2        |
| 7          | VC7326      | O-ring                   | 1        |
| 8          | VC7310      | O-ring                   | 1        |
| 9          | VC7312      | O-ring                   | 1        |
| 10         | VC7330      | Pin                      | 1        |
| 11         | VC7342      | Retainer                 | 1        |
| 12         | VC7348      | Safety Nut               | 1        |
| 13         | VC7355      | Washer                   | 1        |
| 14         | VC7359      | Pressure Spring          | 1        |
| 15         | VC7360      | Pressure Spring          | 1        |
| 16         | VC7363      | Socket head cap screw    | 1        |
| 17         | VC7390      | Socket head cap screw    | 2        |
| 18         | VC7060      | Socket head cap screw    | 1        |
| 21         | VC7099      | Tension spring           | 1        |
| 23         | VC7057      | Pusher                   | 1        |
| 24         | VC7058      | Piston                   | 1        |
| 26         | VC7095      | Magazine housing         | 1        |
| 28         | VC7096      | Rail assembly            | 1        |
| 29         | VC7089      | Pulley                   | 1        |
| 30         | VC7090      | Pin                      | 1        |
| 31         | VC7107      | Pin                      | 1        |
| 33         | VC7100      | Latch                    | 1        |
| 34         | VC7091      | Front nose               | 1        |
| 35         | VC7092      | Nose plate               | 1        |
| 36         | VC7093      | Driver blade             | 1        |
| 37         | VC7094      | Bumper                   | 1        |
| 38         | VC7097      | Stop                     | 1        |
| 39         | VC7101      | Body                     | 1        |
| 40         | VC7102      | Latch Spring             | 1        |
| 41         | VC7103      | Muffler                  | 1        |
| 42         | VC7104      | Cap                      | 1        |
| 43         | VC7105      | Damper                   | 1        |
| 44         | VC7098      | Damper                   | 1        |
| 45         | VC7106      | Cylinder                 | 1        |
| 46         | VC7110      | Trigger                  | 1        |
| 47         | VC7111      | Adjustment screw         | 1        |
| 48         | VC7118      | Valve bushing            | 1        |
| 49         | VC7119      | Valve pin                | 1        |
| 55         | VC7108      | Automatic valve complete | -        |
| 56         | VC7276      | O-ring                   | 1        |
| 57         | VC7279      | O-ring                   | 1        |
| 58         | VC7294      | O-ring                   | 2        |
| 59         | VC7296      | O-ring                   | 1        |
| 60         | VC7298      | O-ring                   | 1        |
| 61         | VC7299      | O-ring                   | 2        |
| 62         | VC7300      | O-ring                   | 1        |

| Call-out # | Part Number | Description    | Quantity |
|------------|-------------|----------------|----------|
| 63         | VC7301      | O-ring         | 2        |
| 64         | VC7302      | O-ring         | 2        |
| 65         | VC7304      | O-ring         | 2        |
| 66         | VC7305      | O-ring         | 2        |
| 67         | VC7109      | Valve body     | 1        |
| 68         | VC7112      | Valve cylinder | 1        |
| 69         | VC7113      | Valve shaft    | 1        |
| 70         | VC7114      | Gasket         | 1        |
| 71         | VC7015      | Valve pin      | 1        |
| 72         | VC7115      | Valve bushing  | 1        |
| 73         | VC7116      | Valve Socket   | 1        |
| 74         | VC7117      | Valve Piston   | 1        |

# Parts Identification

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