

Repair instructions

ASCT 5 - 40



Repair instructions



Summary

1. **Technical data and test data**
2. **Provisions**
4. **Disassembly**
5. **Assembly**
6. **Tools**

Repair instructions



1. Technical data and test data

The complete technical data can be found in the operating instructions for the model.

Up-to-date test data for all models can be found on the FEIN Extranet.

Lists of spare parts and exploded views are available online at www.fein.com



2. Provisions

Provisions:

Please note that power tools may only be repaired, maintained and checked by a trained electrician, as improper repair can result in serious risks to the user.

The provisions set out in *DIN VDE 0701-0702* should be observed after repairs.

Only use original FEIN spare parts!

The relevant accident prevention regulations of the employers' liability insurance associations are to be observed when commissioning.

The German Equipment and Product Safety Act applies for correct use.

Outside Germany, the regulations applicable in the relevant country must be observed!

Repair instructions

3. Disassembly



Remove battery, hook, wrist strap, depth stop sleeve and screwdriver bit
Remove screw on pushbutton and pushbutton
Loosen screws on gearbox housing and remove gearbox housing

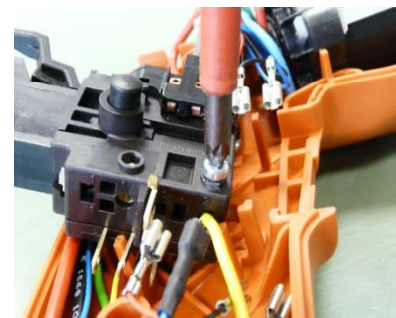
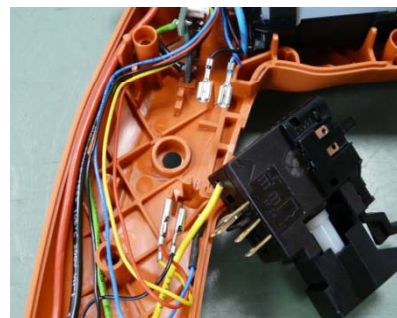
Tool

PH 2 cross-tip screwdriver
TX 15 Torx screwdriver

Repair instructions



3. Disassembly



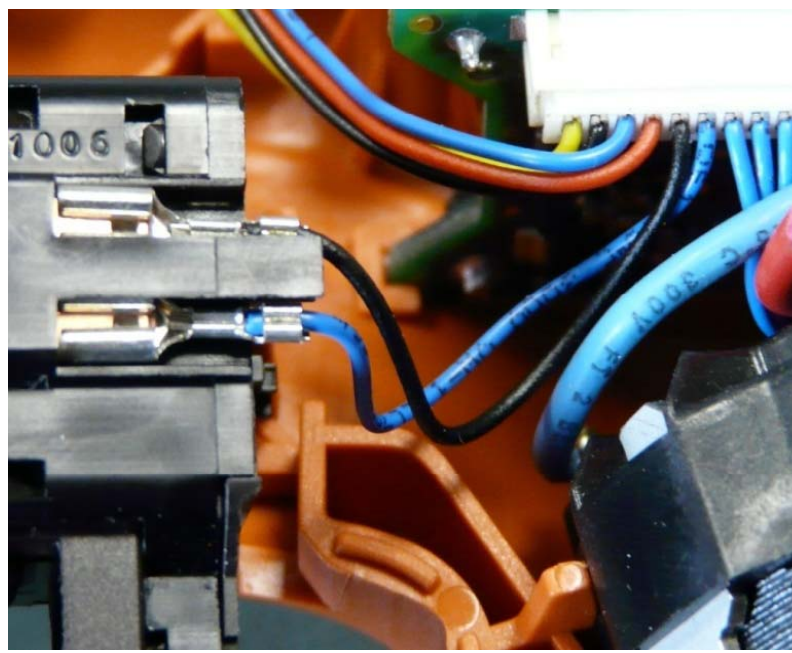
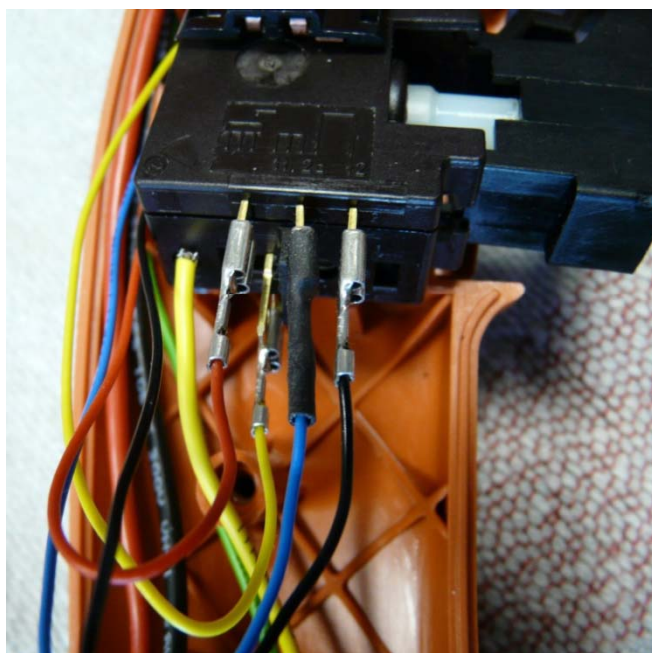
Loosen and remove screws on motor housing
Remove upper section of housing
Loosen switch contacts

Tool

TX 15 Torx screwdriver

Repair instructions

Information about switch connections



When changing switches, note the coloured connections, as otherwise the tool will not work or only have limited functionality

Tool
Flat nose pliers

Repair instructions

3. Disassembly



Remove switch

Remove motor, electronics and connecting cable from motor housing

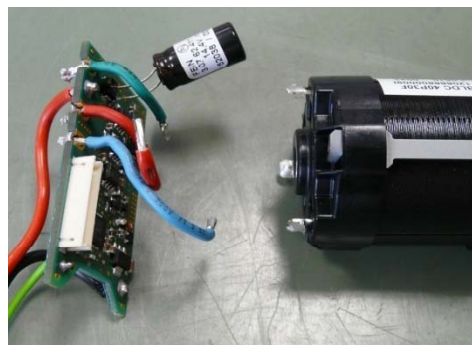
Unsolder electronics from motor – warning: note how the cables are laid!!!!

Tool

TX 15 Torx screwdriver

Repair instructions

3. Disassembly

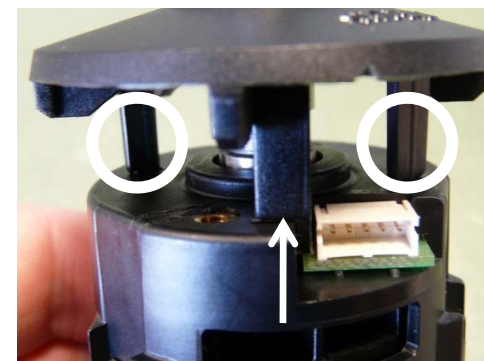


Unsolder electronics from motor – warning: note how the cables are laid!!!!
Remove grease wiper ring and ball bearing
Remove bearing support

Tool
TX 15 Torx screwdriver

Repair instructions

Information

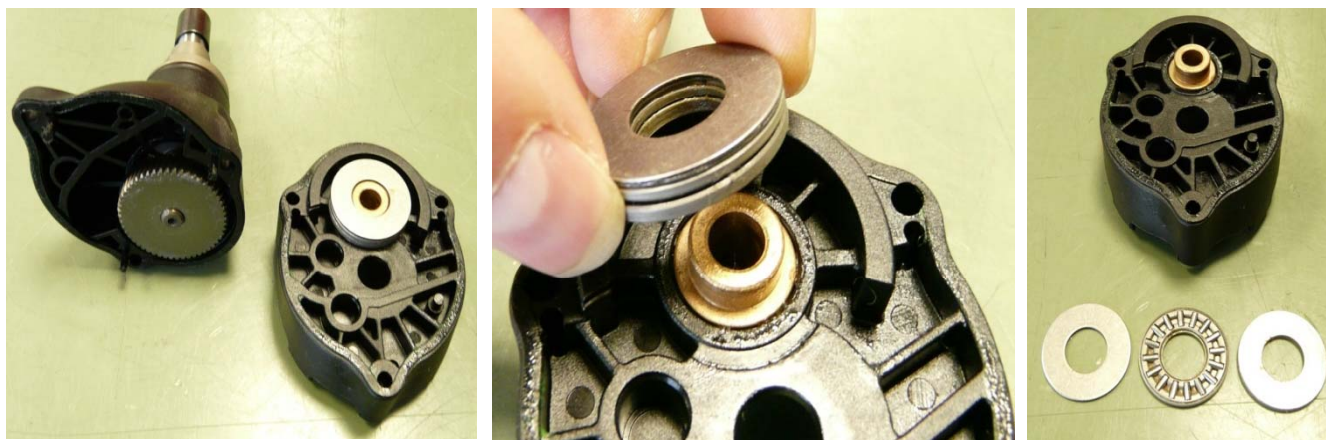


**Warning – the bearing support can only be fitted in one position – see circles!!!!!!!
The third support must always be on the white terminal strip.**

Repair instructions



3. Disassembly



Remove intermediate bearing plate from gearbox housing
Remove and replace needle cage and discs if necessary

Repair instructions



3. Disassembly



Remove gear-wheel, pressure spring and discs from shaft
Disassemble tool mounting and remove shaft from gearbox housing

Tool
External circlip pliers

Repair instructions

3. Disassembly



Remove clutch ring
Press out second clutch ring

Tool

Arbor press
Sleeve

Repair instructions

4. Assembly



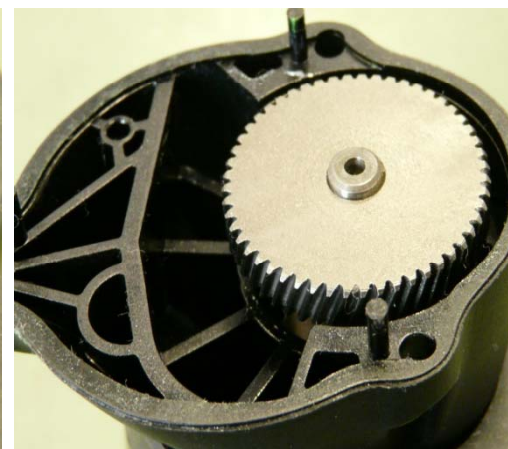
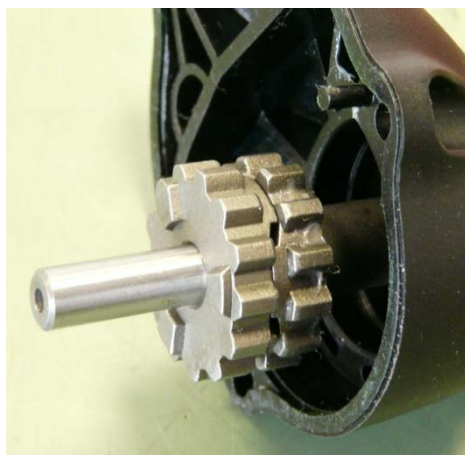
Press on clutch ring
Slide on second clutch ring

Tool
Arbor press
Sleeve

Repair instructions



4. Assembly



Insert shaft and clutch rings into gearbox housing
Slide disc, spring and second disc onto shaft
Slide gear-wheel onto shaft

Repair instructions

4. Assembly



Place disc, axial bearing and second disc on plain bearing bush in intermediate bearing.
Assemble shaft, intermediate bearing and gearbox housing

Repair instructions

4. Assembly



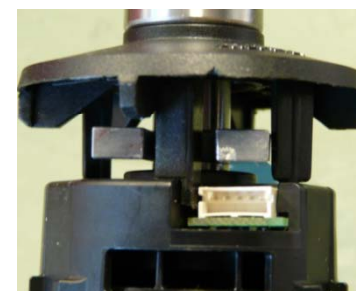
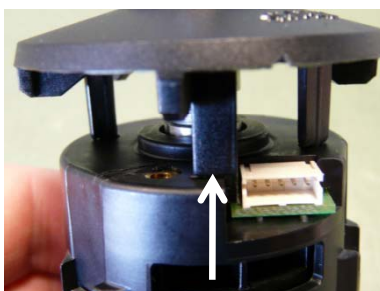
Place ball for fixing screwdriver bit into hole
Slide sleeve and spring onto shaft (do not lose ball)
Place spacer ring on spring and push everything downwards together
Fit circlip – warning: this requires some patience because of the spring tension!!!

Tool

External circlip pliers
Small slotted screwdriver

Repair instructions

4. Assembly

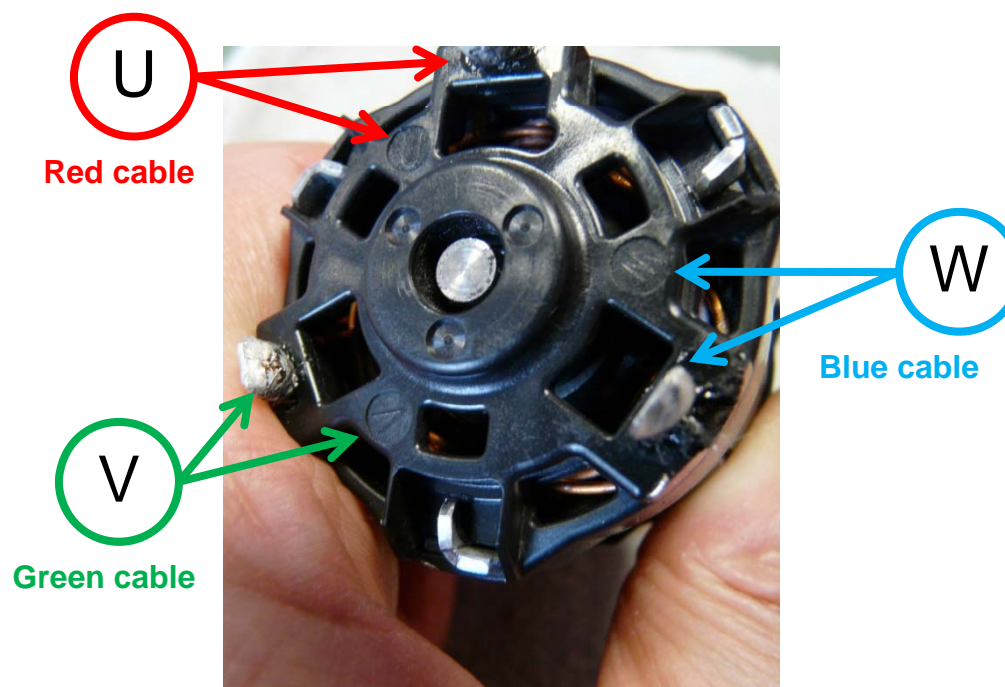


Attach bearing support, ball bearing and grease wiper ring to motor shaft
Gently press on ball bearing and grease wiper ring using special tool and one sleeve (applying too much pressure causes the motor shaft to move)
Special tool is intended to be shaft's support, so no pressure is applied to the motor shaft

Tool
Special tool 64114032000
Sleeve

Repair instructions

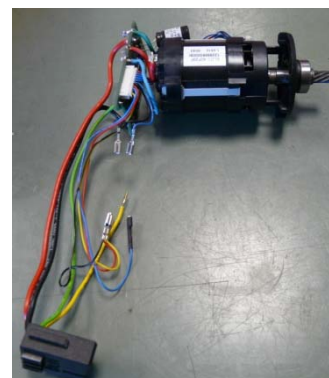
Information



When soldering the cables to the motor, you must note the codes shown, otherwise the motor will not work.

Repair instructions

4. Assembly

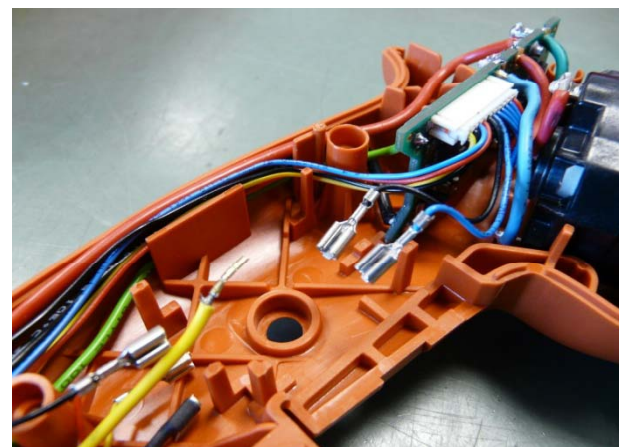
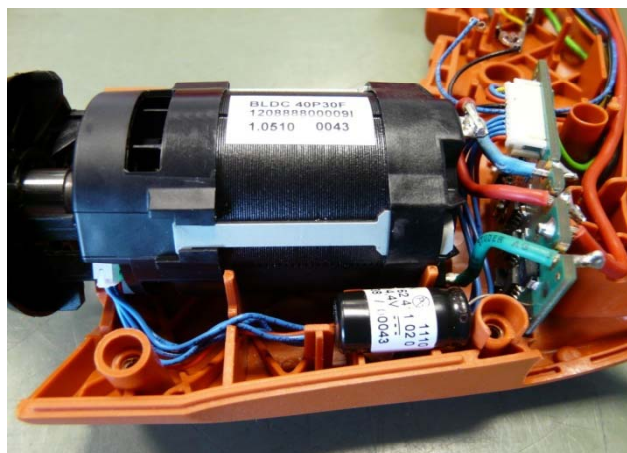


Solder electronics to motor
Attach cable harness
Insert wired motor and electronics into bottom section of housing

Tool
Soldering rod

Repair instructions

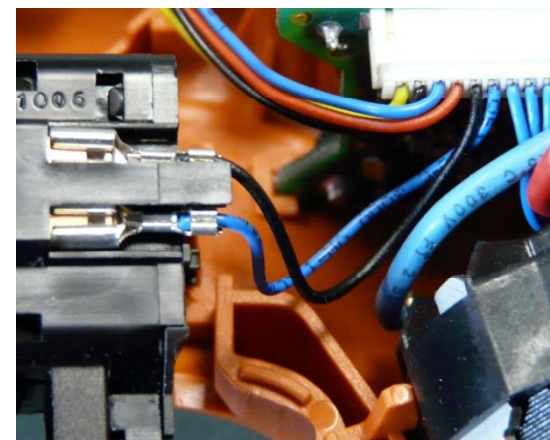
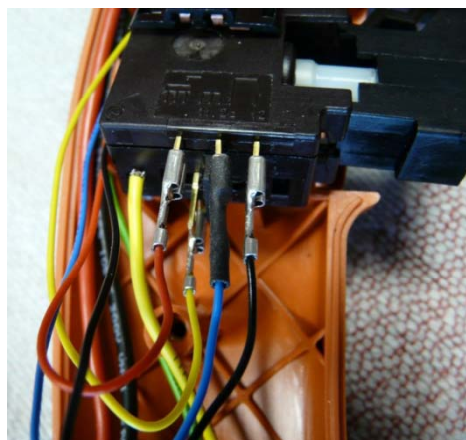
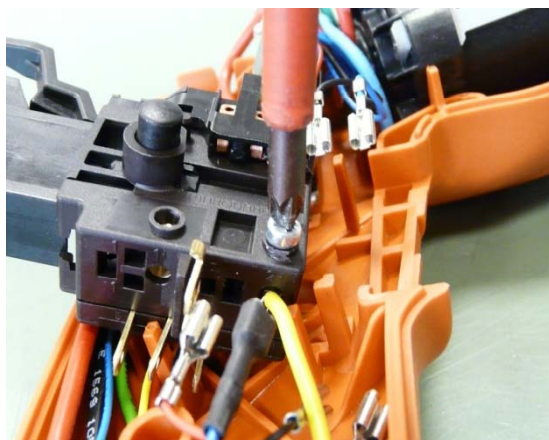
4. Assembly



When inserting the motor and electronics, note how the cables are laid, cables must be laid underneath the suppression capacitor and must not be jammed.

Repair instructions

4. Assembly



Secure yellow cable on switch's screw contact

Connect plug contacts to switch -

Note order of colours – otherwise the tool will not work

Tool

PZ 1 cross-tip
screwdriver
Flat nose pliers

Repair instructions

4. Assembly



Position and screw down upper section of housing
Place gear box head on tool and screw down
Secure pushbutton on switch

Tool
TX 15 Torx

Repair instructions



4. Assembly



Slide on depth stop sleeve or collated strip magazine (depending on equipment) and battery
Tool is once again ready for use

Repair instructions

5. Tools



Special tool 64114032000 – pressing ball bearing and grease wiper ring onto motor

No other special tool is required apart from the one mentioned above.
The machine can be repaired with a conventional manual tool.