FEIN Dustex 35LX (9 202 92 .. .. .)
FEIN Dustex 35LX AC (9 203 02 .. .. .)

Technical data

Technical data

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

Tests

Up-to-date test data and test instructions after repair can be found on the FEIN Extranet (Customer Service → Repair Guides).

Lubricants / Auxiliary substances

The lubricants or auxiliary substances and their container sizes available from FEIN can be found on the FEIN Extranet (Customer Service → Repair Guides).

Lists of spare parts

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

Dustex 35 LX; Dustex 35 LX AC; Dustex 35 MX; Dustex 35 MX AC

Notes and requirements

Please note

These instructions are only intended for persons with suitable technical training. It is assumed that the reader has mechanical and electrical training.

Only use original FEIN spare parts.

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.

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

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

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

Notes and requirements

Warnings

CAUTION!	
	Danger from exposure to harmful dust during repair and maintenance work. ☞ Wear a P2 or higher-grade respirator mask and disposable clothing. ☞ Place any contaminated items that cannot be sufficiently cleaned in impermeable bags for disposal. Please observe the relevant applicable regulations for the disposal of hazardous materials.

Dustex 35 LX; Dustex 35 LX AC; Dustex 35 MX; Dustex 35 MX AC

Lubricants and auxiliary substances required

Note

No lubricants or auxiliary substances are required for assembly of the Dustex 35 LX / Dustex 35 LX AC and Dustex 35 MX / Dustex 35 MX AC tools.

Troubleshooting

Fault	Remedy
Suction turbine does not run	• Check the power cable, plug, fuse, socket and fill level sensors
	Operating mode selector switch is set to "Automatic Start/Stop" • Set the operating mode selector switch to the "Suction" symbol • Switch on the power tool that is connected to the socket
	• Check the appliance switch and replace if necessary • Check the socket
	• Check the control board and replace if necessary
	Container is full in wet operation • Empty container
Suction turbine switches off	• Empty container
Suction turbine does not restart after emptying the container	• Clean the fill level sensors and the space between the fill level sensors with a brush

Troubleshooting

Fault	Remedy
Suction power drops	• Remove the obstruction from the suction nozzle, pipe, hose or filter
	• Change the disposal bag/dust bag
	• Install the filter cover correctly
	• Place the extractor top correctly and close locks
	• Check the suction system for leaks
	• Change the filter bag
	• Switch on automatic filter cleaning, check and replace if necessary
	• Change the filter
	• Check the vacuum with the pressure gauge Requirement: • Hose from the scope of supply • Suction capacity set to "max" Where is the measurement taken? • On the tool collar when the appliance is in use - vacuum approx. 200 mbar
Dust escapes when extracting	• Check that the filter is inserted correctly
	• Change the filter

Troubleshooting

Fault	Remedy
Automatic shut-down (wet extraction) does not respond	• Clean the fill level sensors and the space between the fill level sensors
	Automatic shut-down does not function with electrically non-conductive liquids or foam formation • Check the fill level regularly

Troubleshooting

Fault	Remedy
Acoustic warning signal sounds	Suction power set too low • Set the suction power regulator to a higher value
	Incorrect hose diameter is set • Set the flow rate regulator to the correct suction hose diameter
	Hose is blocked or bent • Clear the blockage or straighten the bend
	Disposal bag/dust bag is full • Change disposal bag/dust bag
	Flat-fold filter is contaminated • Change the flat-fold filter
	Insufficient air flow through the connected power tool • Open the false air opening on the tool collar
	• Failure of the monitoring electronics (main electronics, hose selector switch circuit board)
	• Activate filter cleaning (actuate AC button)

Troubleshooting

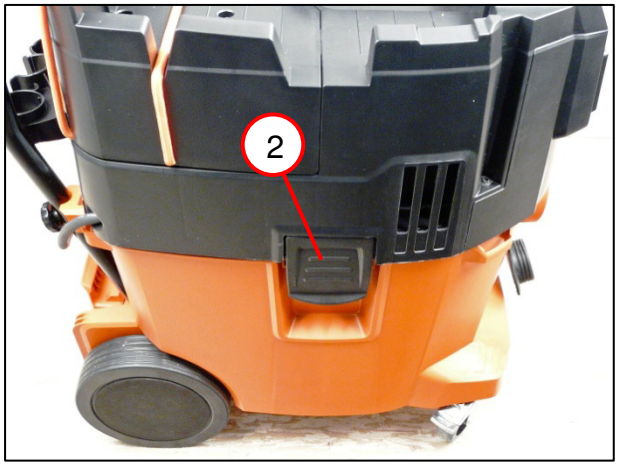
Fault	Remedy
Automatic filter cleaning does not work	• Connect the suction hose
	Filter cover is not closed properly • Close the filter cover properly (must audibly engage)
	• Check the suction system for leaks and eliminate any leaks
	• Check the installation position of the flat-fold filter and correct if necessary
	• Check for leaks between the suction head and dirt container and eliminate any leaks
	• Check the "On/Off" switch of the automatic filter cleaning system and replace if necessary
	Magnet does not attract. • Measure the resistance (5.0 – 5.5 kΩ) • Replace the magnet if necessary
Automatic filter cleaning will not switch off	• Check the control board and replace if necessary
	• Check the "On/Off" switch of the automatic filter cleaning system and replace if necessary
Suction device does not switch on in tool mode	• Check the control board and replace if necessary
	• Power tool does not have the prescribed performance data (min. 100 Watt, max. 2200 Watt). Check the power tool

Troubleshooting

Fault	Remedy
Power tool not running	• Check the function of the power tool and replace if necessary
	• Check the control board and replace if necessary

Removal

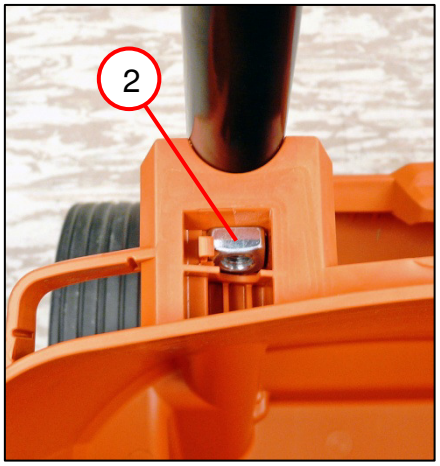
Removing the motor housing

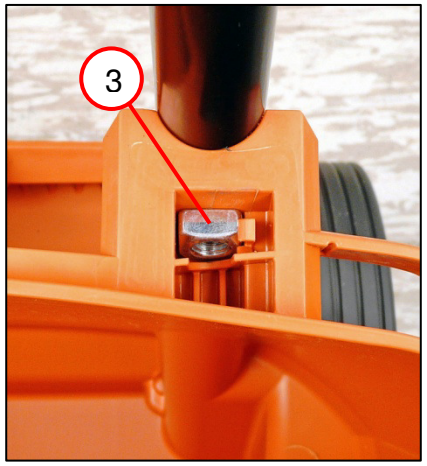


1. Remove the hose (1).
2. Open the lug (2) on both sides.
3. Remove the motor housing.

Removal

Removing the push bar





1. Unscrew the two handles (1).
2. Remove the nut (2).
3. Remove the nut (3).
4. Remove the push bar (4).

Removal

Removing the hose connection

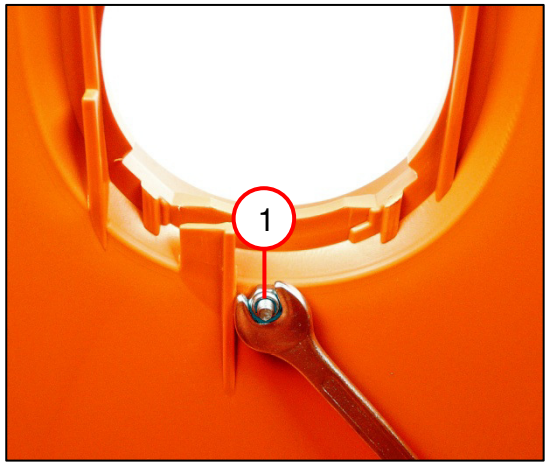
1. Remove the bolt (1).
2. Remove the hose connection (2).

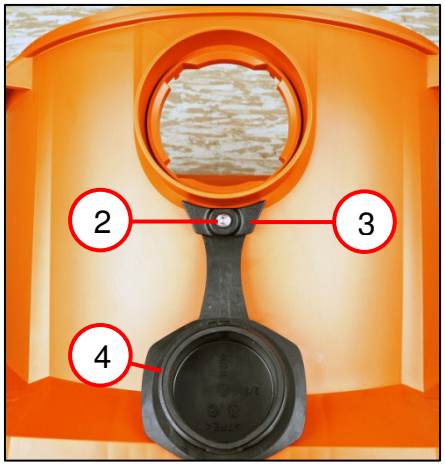
Tools:

- 2x slotted screwdrivers

Removal

Removing the container [applies to: Dustex 35 MX; Dustex 35 MX AC]





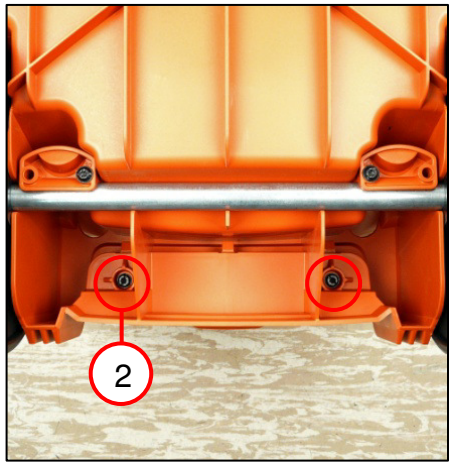
1. Hold the nut (1).
2. Unscrew the screw (2).
3. Remove the clamp (3).
4. Remove the plug (4).

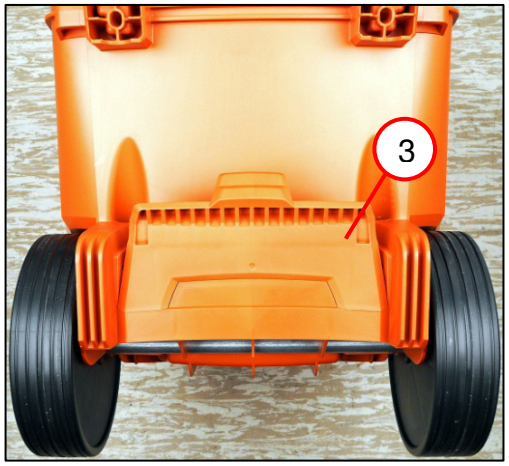
Tools:

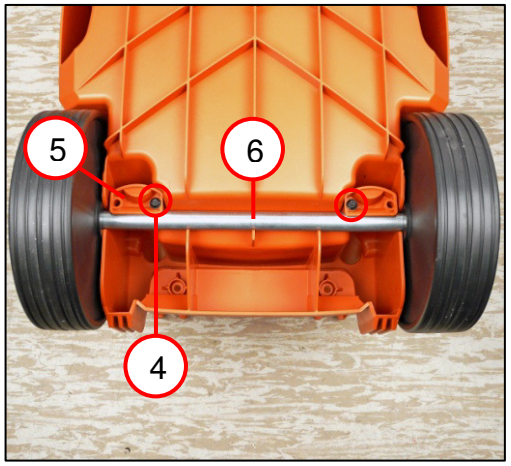
- Open-ended spanner 7 mm
- Torx T20

Removal

Removing the container







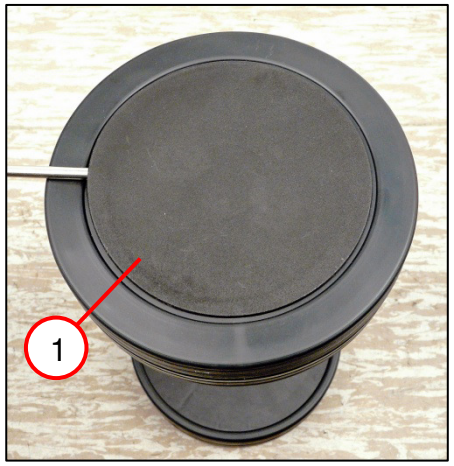
1. Remove the two castors (1).
2. Unscrew the two screws (2).
3. Remove the holder (3).
4. Unscrew the two screws (4).
5. Remove the two holders (5).
6. Remove the shaft (6).

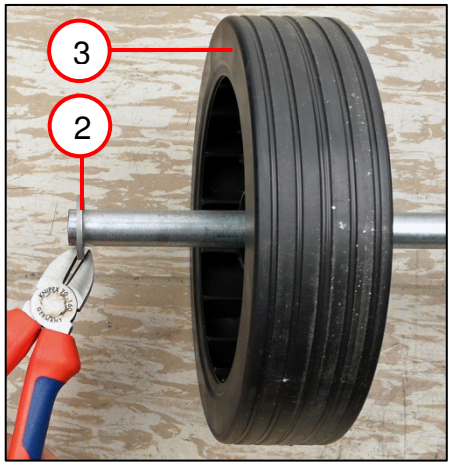
Tools:

- Plastic hammer
- Torx T20

Removal

Removing the wheel [both sides]





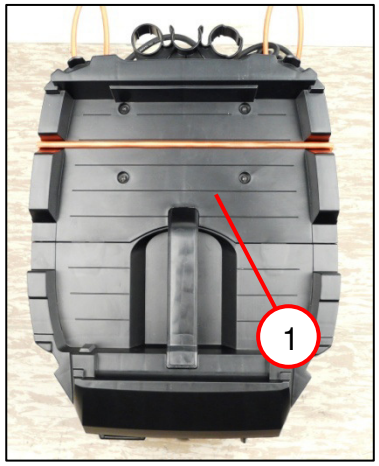
1. Remove the cover (1).
2. Remove the circlip (2).
   ☞ The circlip is destroyed during removal.
3. Remove the wheel (3).

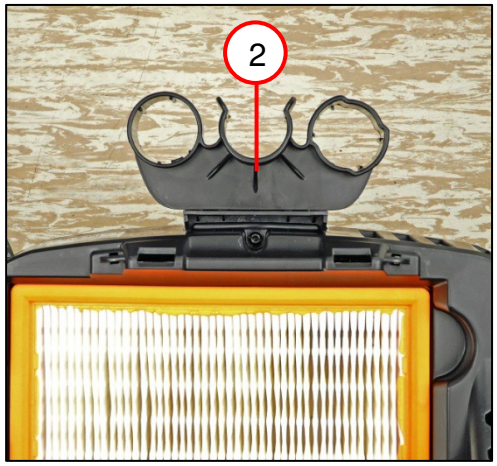
Tools:

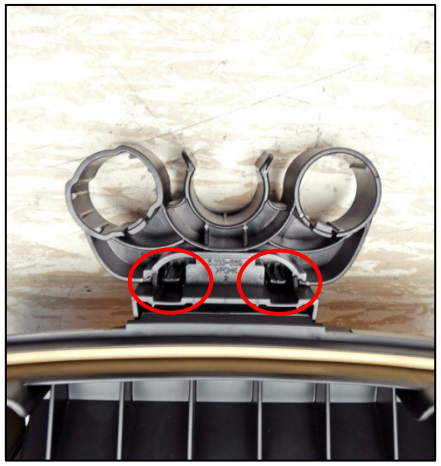
- Slotted screwdriver
- Side-cutting pliers

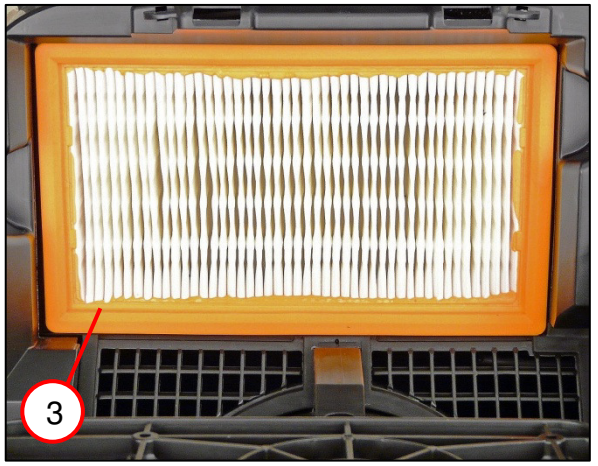
Removal

Removing the filter





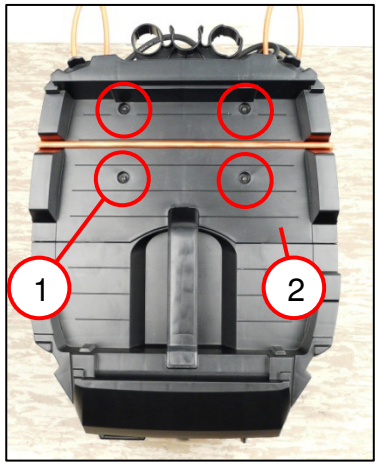


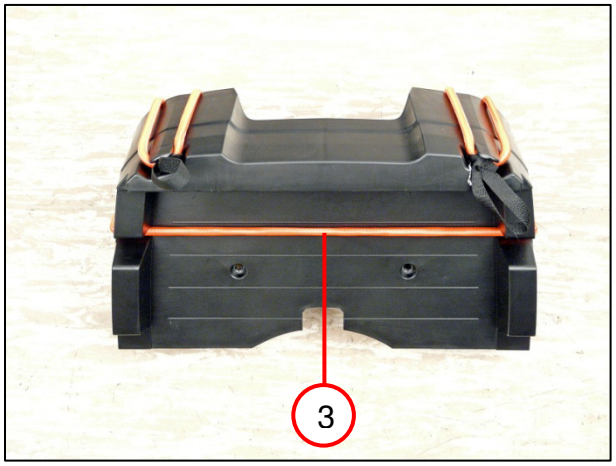


1. Open the cover (1).
2. Remove the holder (2).
3. Remove the filter (3).

Removal

Removing the cover





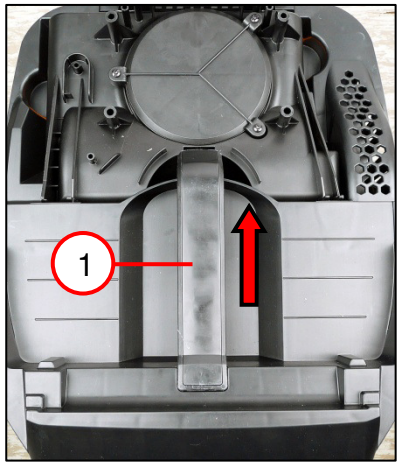
1. Unscrew the four screws (1).
2. Remove the cover (2).
3. Remove the rope (3).

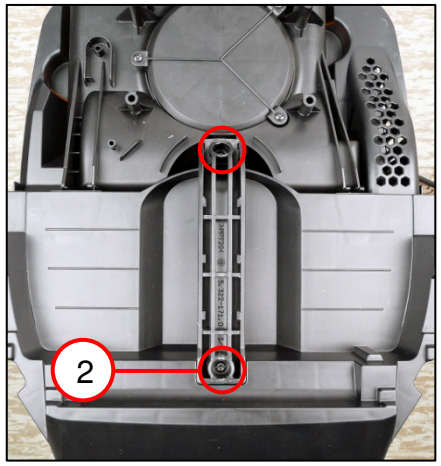
Tools:

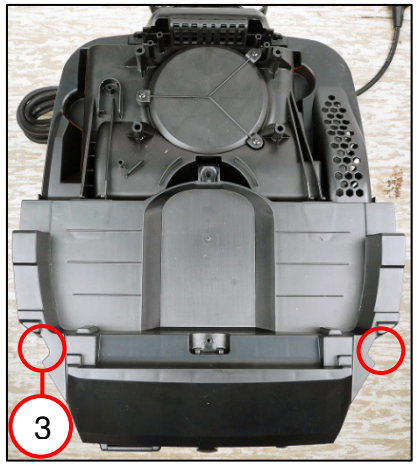
- Torx T20

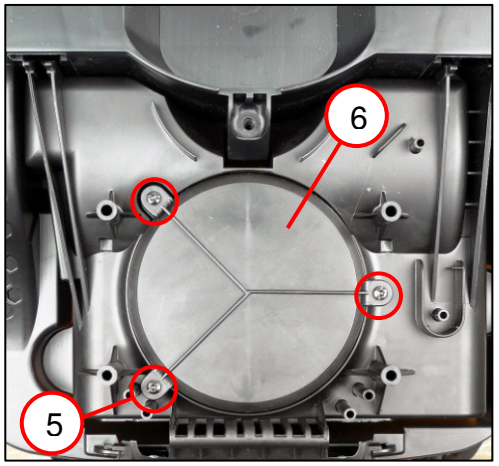
Removal

Removing the housing [applies to: Dustex 35 LX]









1. Remove the cover (1).
2. Unscrew the two screws (2).
3. Unscrew the two screws (3).
4. Remove the housing (4).
5. Unscrew the three screws (5).
6. Remove the cover (6).

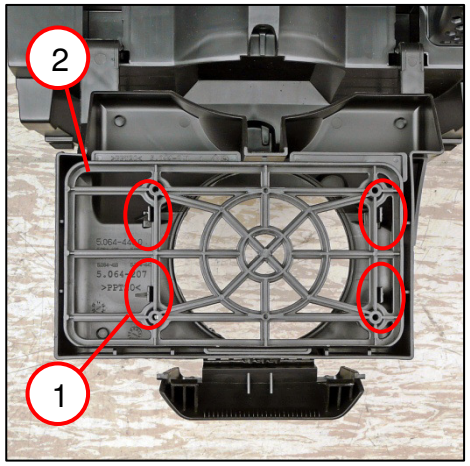
Tools:

- Torx T20; T15

Removing the housing [applies to: Dustex 35 LX]

1. Remove the sealing ring (1).

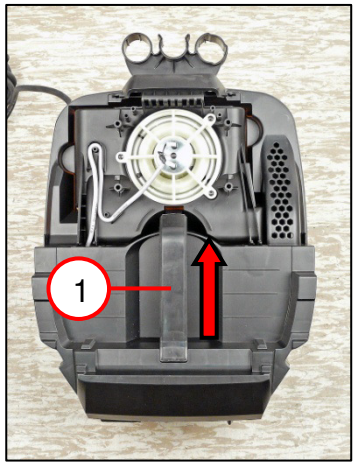
Removing the housing [applies to: Dustex 35 LX]

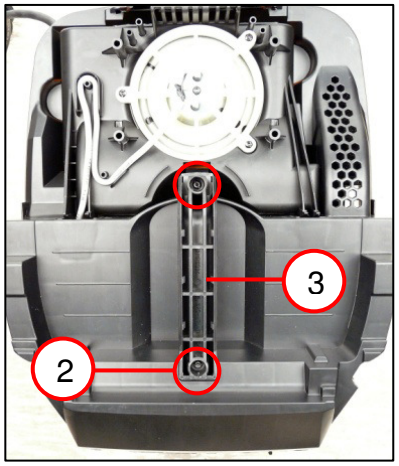


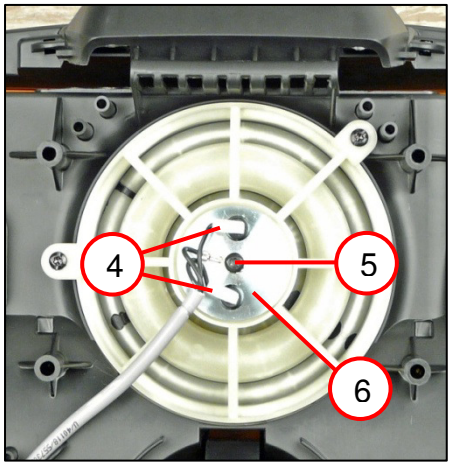
1. Open the clips (1).
2. Remove the plate (2).

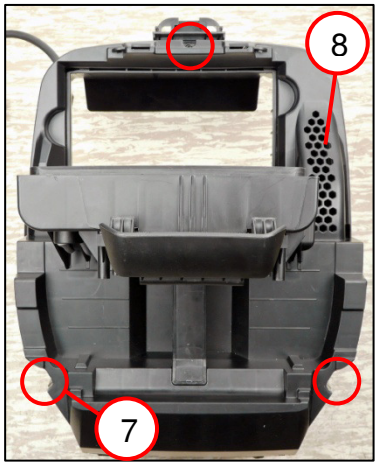
Removal

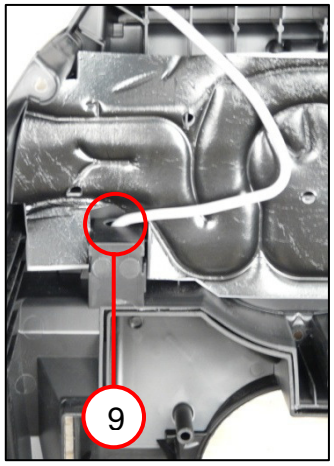
Removing the housing [applies to: Dustex 35 LX AC]











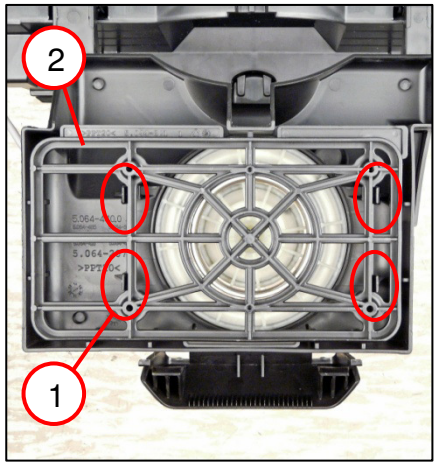
1. Remove the cover (1).
2. Unscrew the two screws (2).
3. Remove the handle (3).
4. Pull off the two plugs (4).
5. Unscrew the screw (5).
6. Remove the magnet (6).
7. Remove the three screws (7).
8. Remove the housing (8).
9. Remove the cable (9).

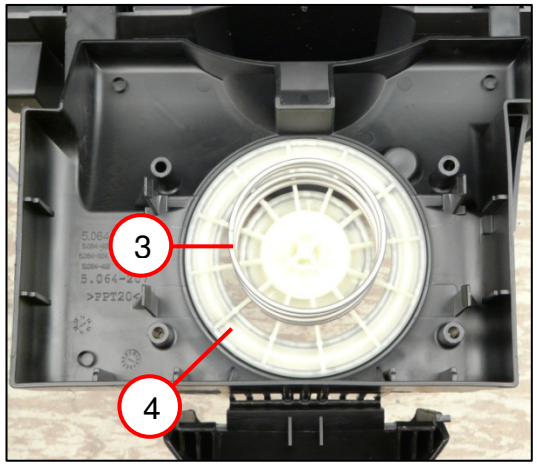
Tools:

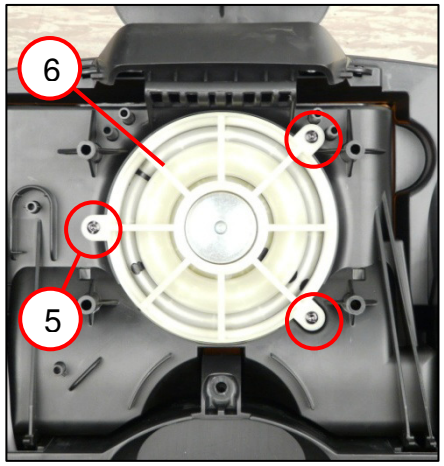
- Torx T20; T15

Removal

Removing the electronics [applies to: Dustex 35 LX AC]







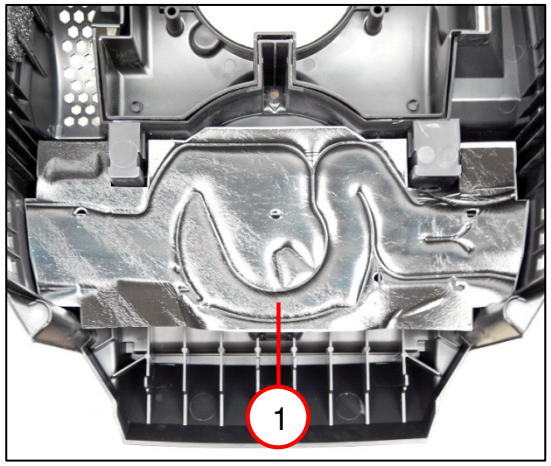
1. Open the clips (1).
2. Remove the plate (2).
3. Remove the spring (3).
4. Remove the valve shell (4).
5. Unscrew the three fillister head screws (5).
6. Remove the cover (6).

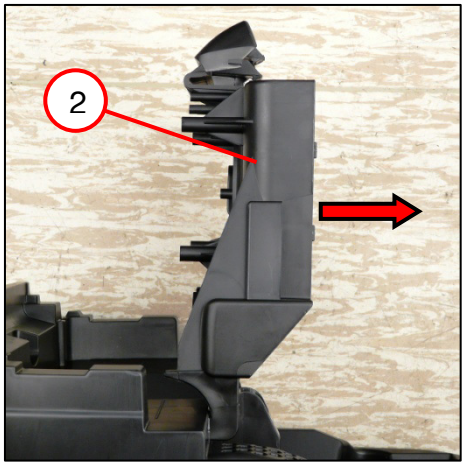
Tools:

- Torx T15

Removal

Removing the housing





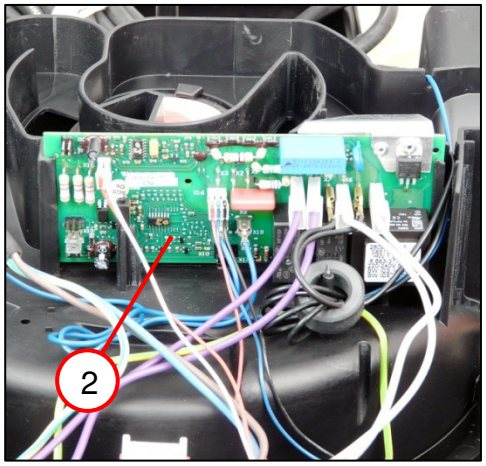
1. Remove the insert (1).
2. Remove the cover (2).

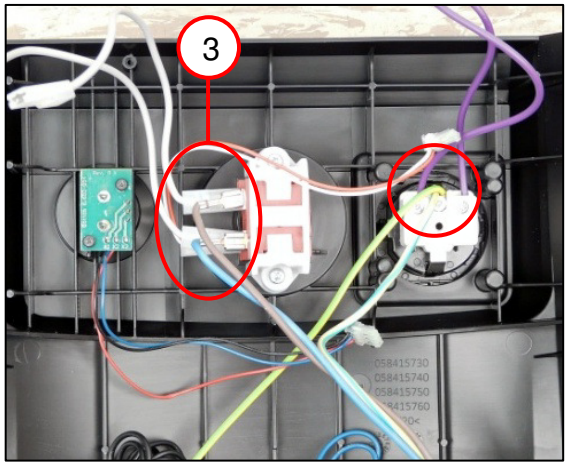
Tools:

- Slotted screwdriver

Removal

Removing the operating element [applies to: Dustex 35LX]





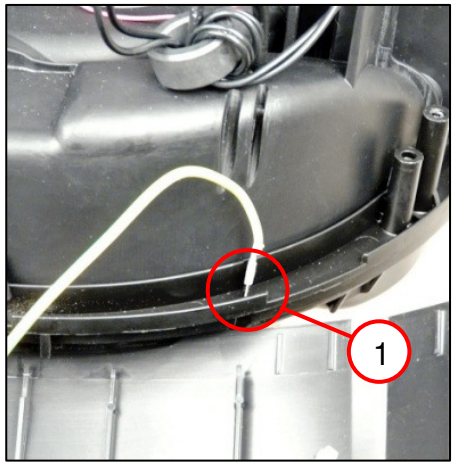
1. Remove the operating element (1).
2. Remove all plugs from the electronics (2).
3. Remove all cables (3).

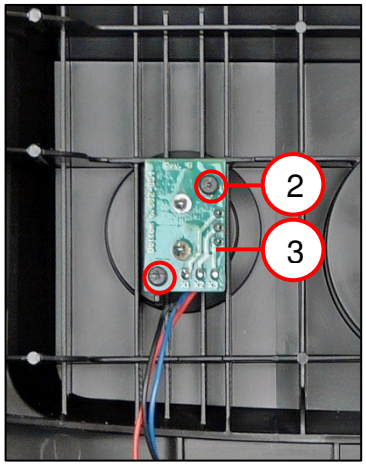
Tools:

- PH2 cross-tip screwdriver

Removal

Removing the operating element [applies to: Dustex 35LX]





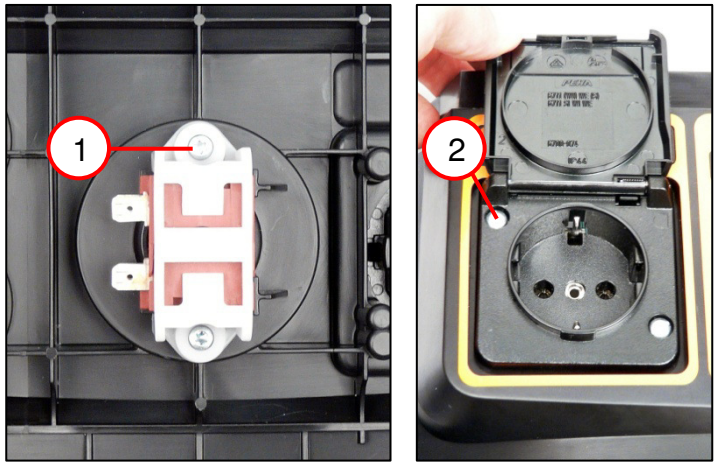
1. Remove the cable (1).
2. Unscrew the two screws (2).
3. Remove the electronics (3).
4. Remove the two rotary knobs (4).

Tools:

- Torx T9
- Long-nosed pliers

Removal

Removing the operating element



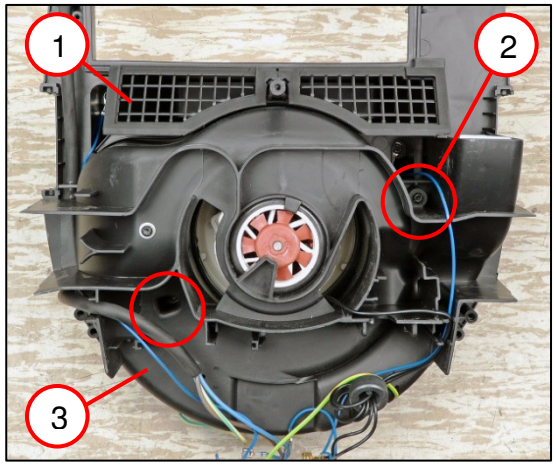
1. Unscrew the two screws (1).
2. Remove the switch.
3. Unscrew the two screws (2).
4. Remove the socket.

Tools:

- Torx T15

Removal

Removing the housing



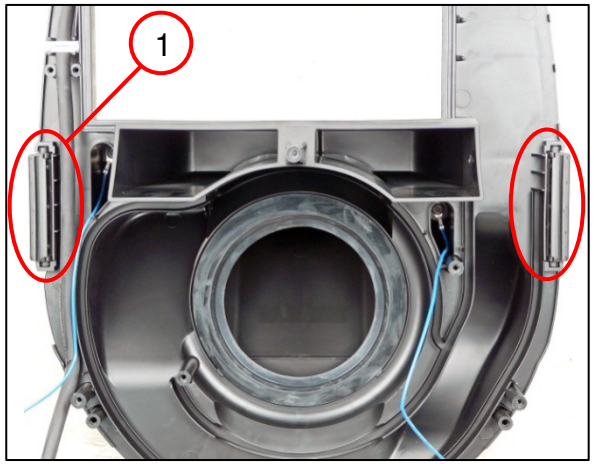
1. Remove the seal (1).
2. Unscrew the two screws (2).
3. Remove the housing (3).

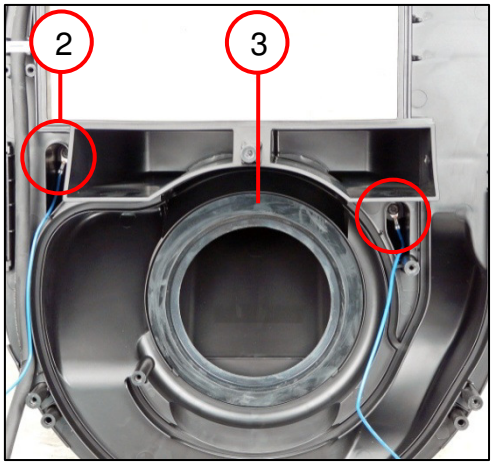
Tools:

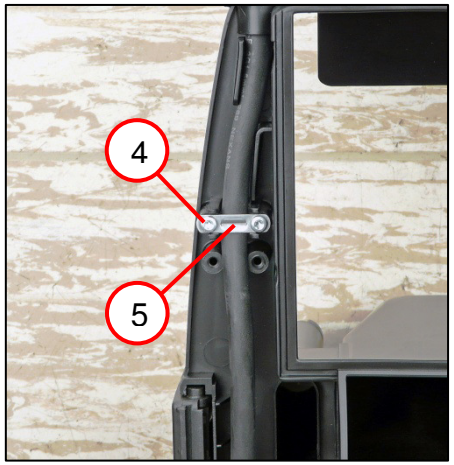
- Torx T20

Removal

Removing the housing







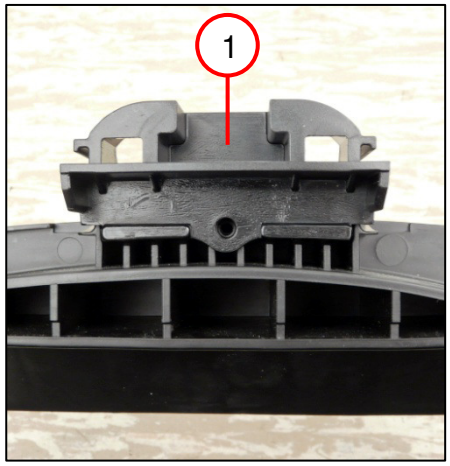
1. Remove the two lugs (1).
2. Unscrew the two sensors (2).
3. Remove the seal (3).
4. Unscrew the two screws (4).
5. Remove the cable clamping piece (5).
6. Remove the cable with plug.

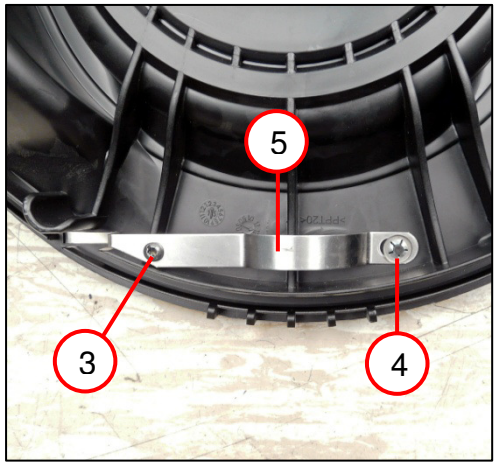
Tools:

- Torx T20

Removal

Removing the housing



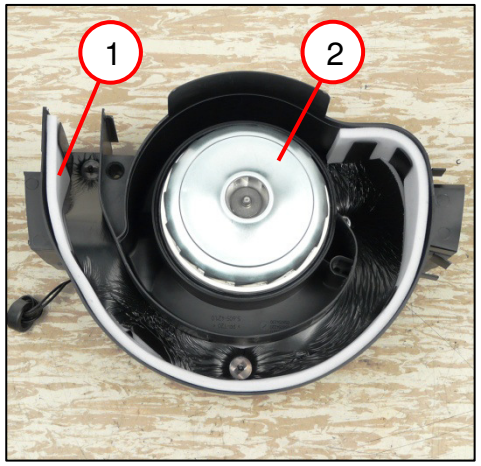


1. Remove the adapter (1).
2. Remove the seal (2)
3. Unscrew the fillister head screw (3).
4. Remove the clamp (4).
5. Remove the contact spring (5).

Tools:

- Torx T15
- Side-cutting pliers

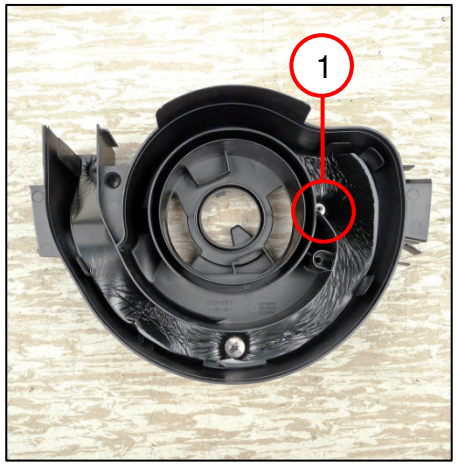
Removing the housing

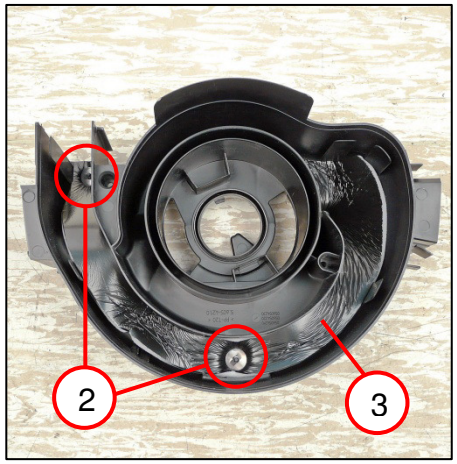


1. Remove the insert (1).
2. Remove the motor (2).

Removal

Removing the housing



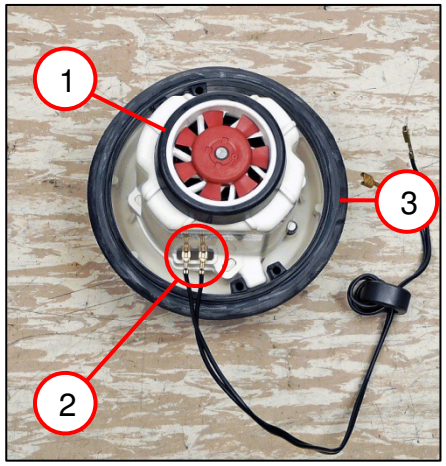


1. Unscrew the nut (1).
2. Remove the two circlips (2).
3. Remove the insert (3).

Tools:

- 7 mm socket wrench
- Side-cutting pliers

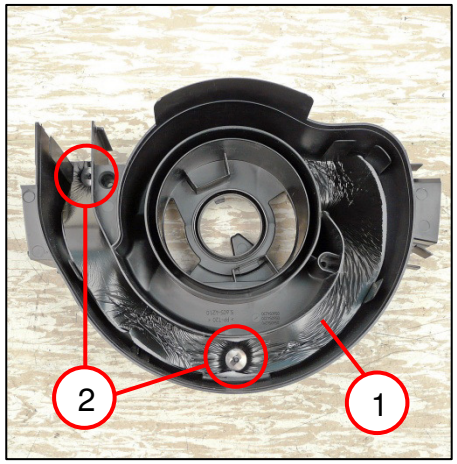
Removing the motor

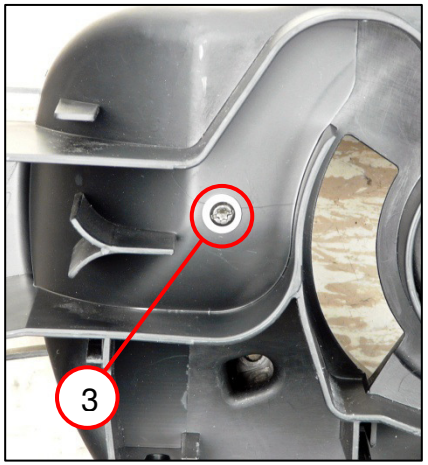


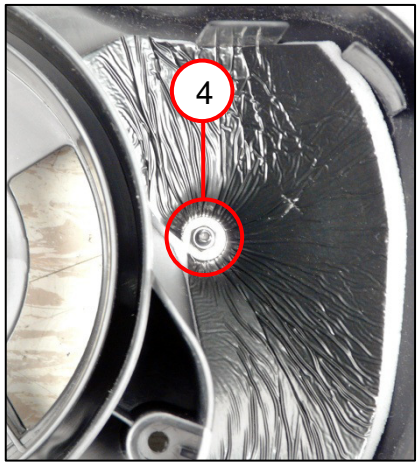
4. Remove the seal (1).
5. Remove the cable (2).
6. Remove the seal (3).

Fitting

Fitting the housing





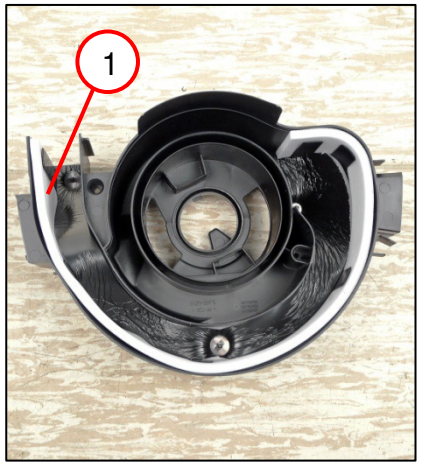


1. Position the insert (1).
2. Fit the two circlips (2).
3. Position the screw (3) with the disc.
4. Screw on the nut (4) with the disc.

Tools:

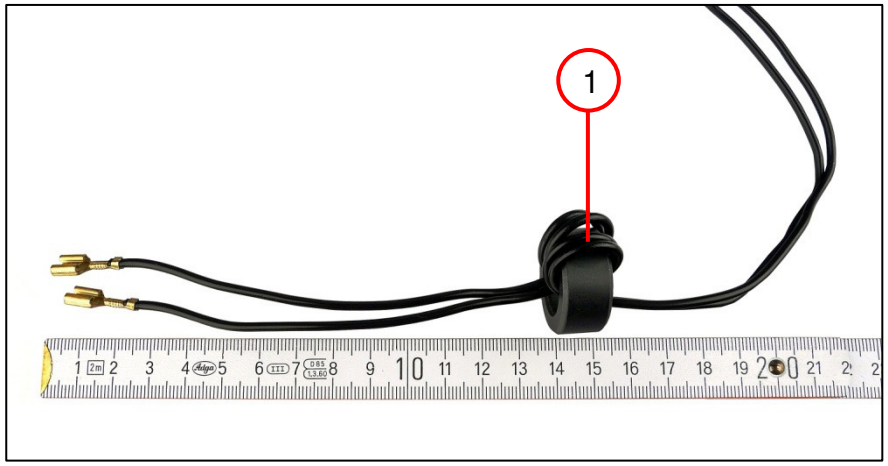
- 7 mm socket wrench

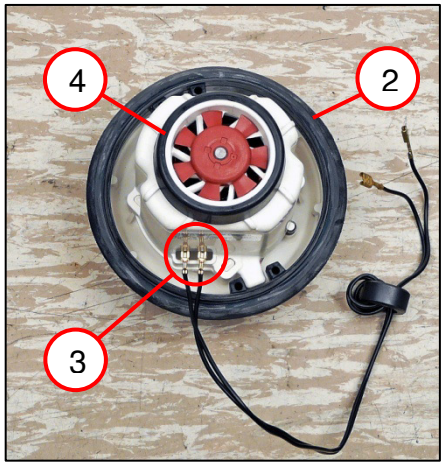
Fitting the housing



1. Fit the insert (1) in the correct position.

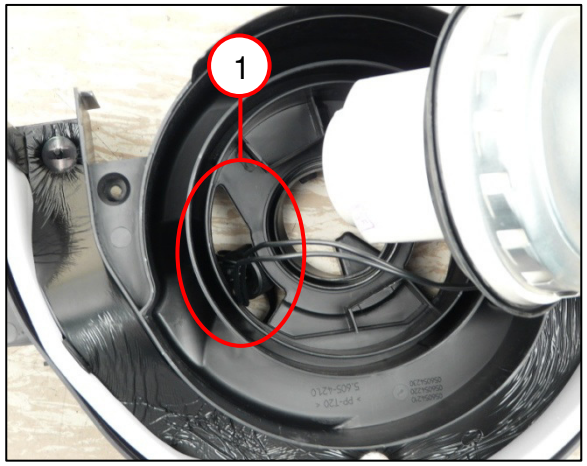
Fitting the housing





2. Wrap the cable twice around the ferrite core (1).
3. Place the seal (2) in the correct position.
4. Connect the cable (3).
5. Position the seal (4).

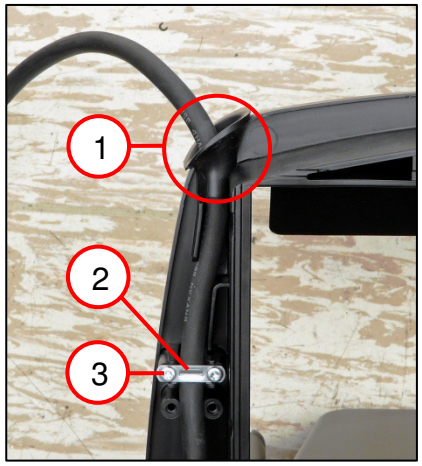
Fitting the housing

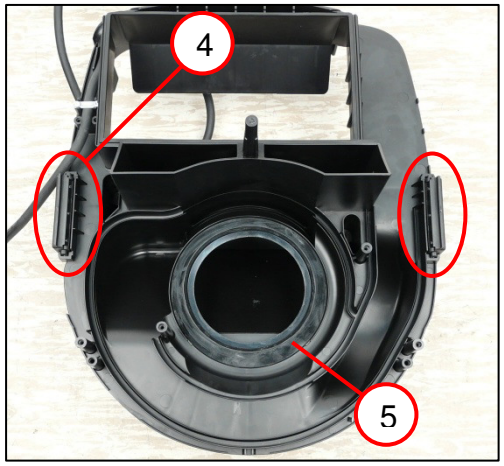


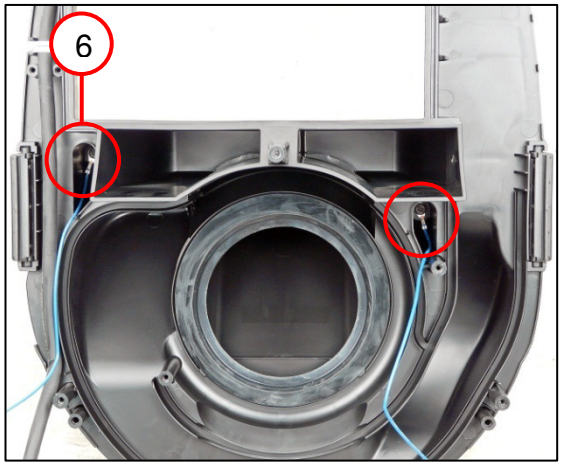
1. Run the cable through the opening (1).
2. Position the motor (2).

Fitting

Fitting the housing







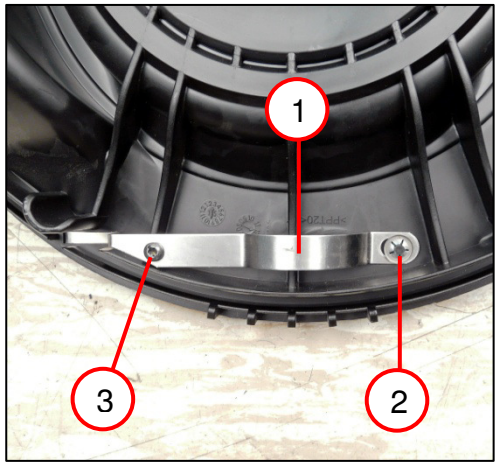
1. Run the cable with plug through the opening (1).
2. Position the cable clamping piece (2).
   ☞ Distance between cable clamping piece (2) and cable shoes = 600 mm.
3. Screw in the two screws (3).
4. Fit the two lugs (4).
5. Position the seal (5).
6. Screw in the two sensors (6) with cable.

Tools:

- Torx T15, T20

Fitting

Fitting the housing



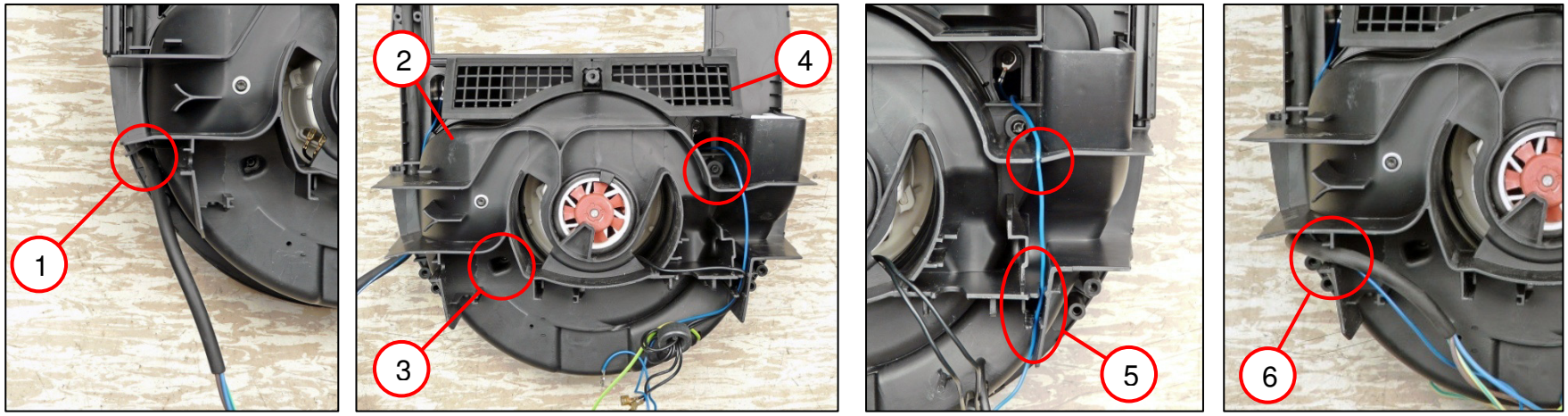
1. Place the contact spring (1) in the correct position.
2. Fit the clamp (2).
3. Screw in the fillister head screw (3).
4. Fit the seal (4).

Tools:

- Torx T15

Fitting

Fitting the housing

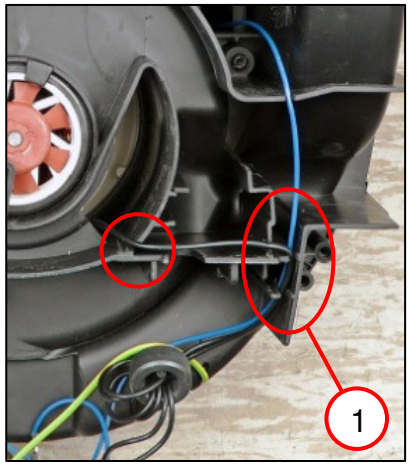


1. Lay the cable with plug (1).
2. Position the housing (2).
3. Screw in the two screws (3).
4. Position the seal (4).
5. Position the blue cable in the recesses (5).
6. Place the blue cable and the cable with plug in the recess (6).

Tools:

- Torx T20

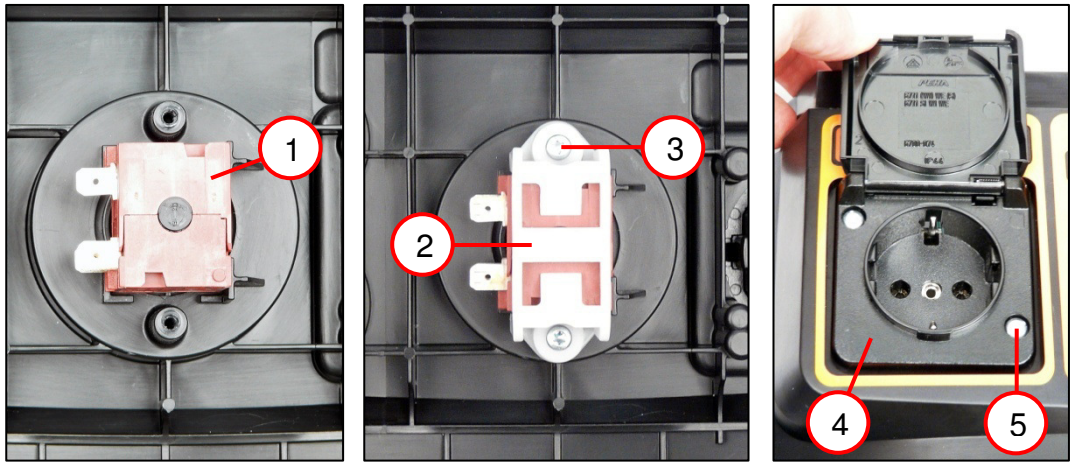
Fitting the housing



1. Lay the two black cables (1).

Fitting

Fitting the operating element

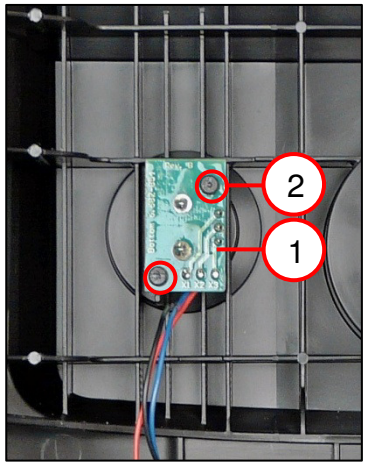


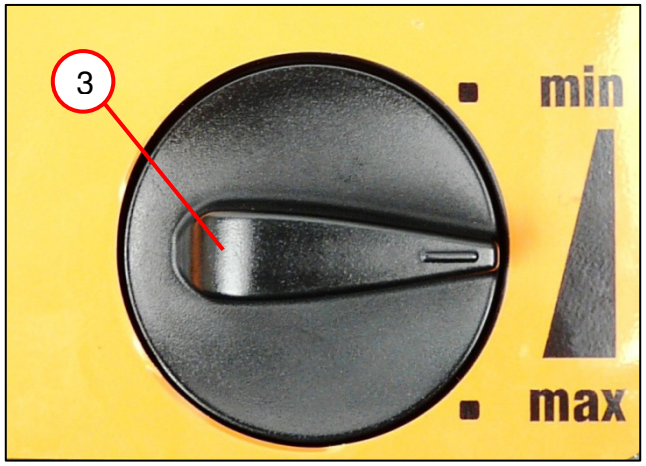
1. Position the switch (1).
2. Position the holder (2).
3. Screw in the two screws (3).
4. Place the socket (4) in the correct position.
5. Screw in the two screws (5).

Tools:

- Torx T15

Fitting the operating element



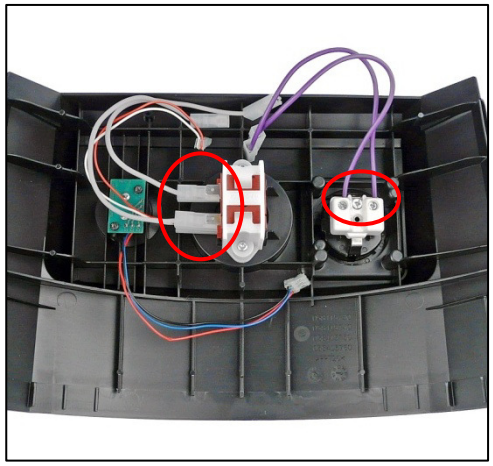


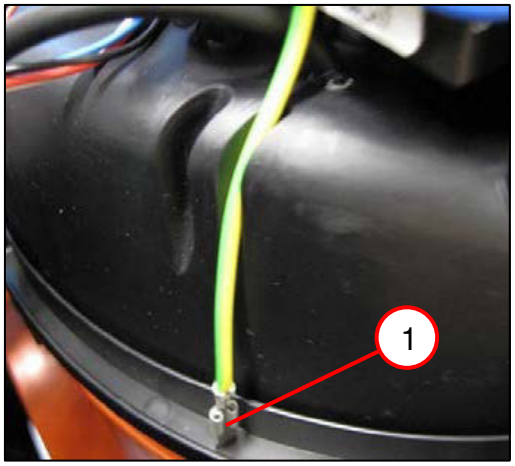
1. Position the electronics (1).
2. Screw in the two screws (2).
3. Turn the potentiometer on the electronics (1) to the middle position.
4. Fit the rotary knob (3).

Tools:

- Torx T9
- Slotted screwdriver (small)

Fitting the operating element

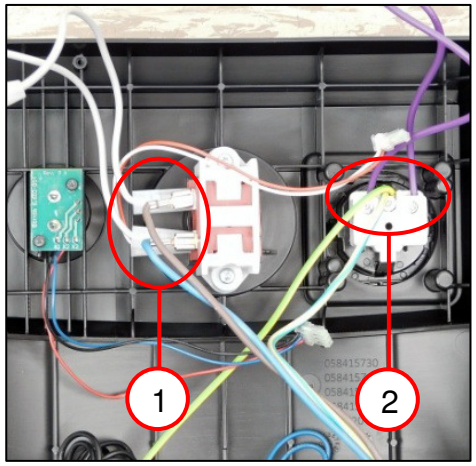


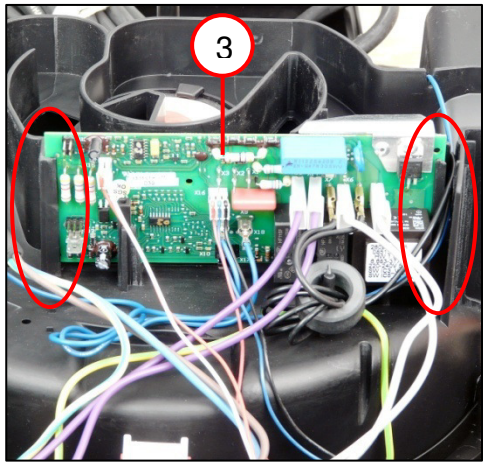


1. Connect all cables as shown in the connection diagram.
2. Connect the earthing conductor (1).

Fitting

Fitting the operating element





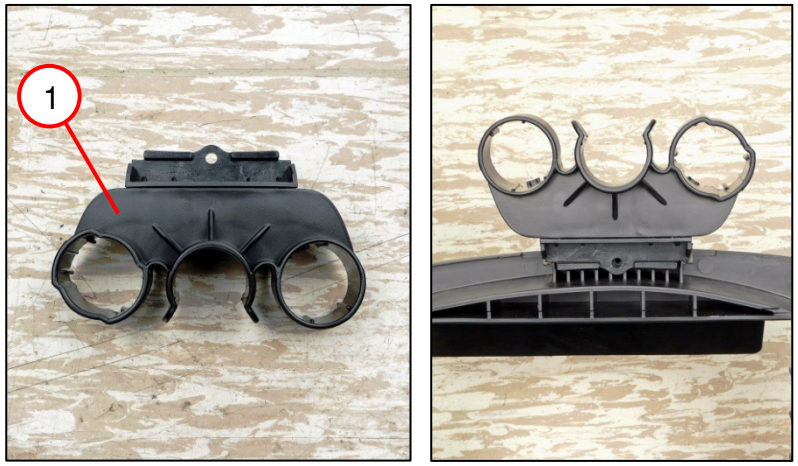
1. Connect the cable with plug (1) as shown in the connection diagram.
2. Connect the two earthing conductors (2) as shown in the connection diagram.
3. Connect all cables to the electronics (3) as shown in the connection diagram.
4. Slide the electronics (3) into the guide.
5. Fit the operating element (4).

Tools:

- PH2 cross-tip screwdriver

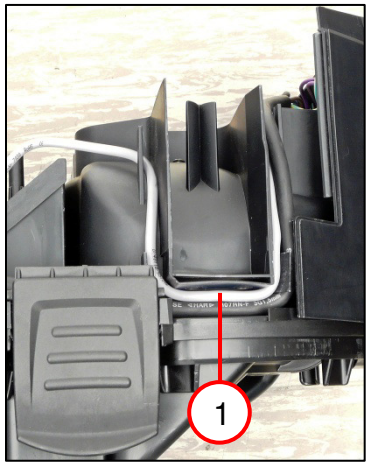
Fitting

Fitting the holder



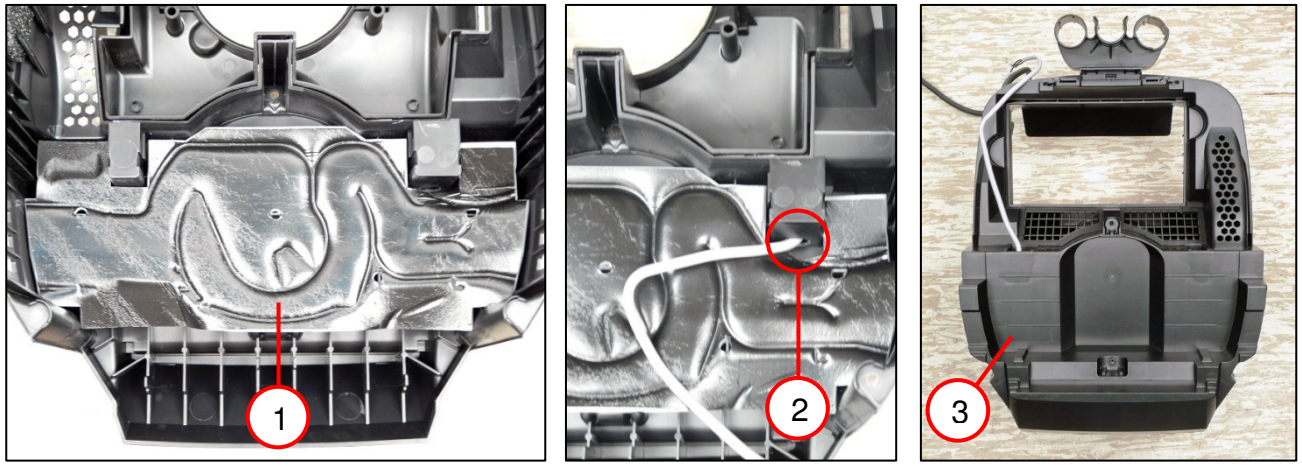
1. Place the holder (1) on the adapter.
2. Position the holder.

Fitting the housing [applies to: Dustex 35 LX AC]



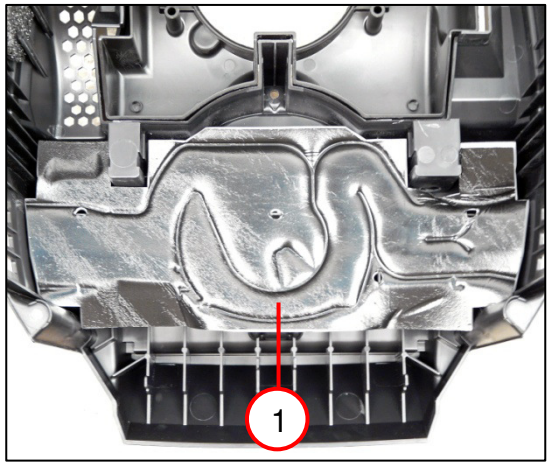
1. Measure the cable length.
   ☞ Cable length 570 mm $^{+10\ mm}$.
2. Lay the cable (1).

Fitting the hood [applies to: Dustex 35 LX AC]



1. Position the insert (1).
2. Thread the cable through the opening (2).
3. Fit the hood (3).

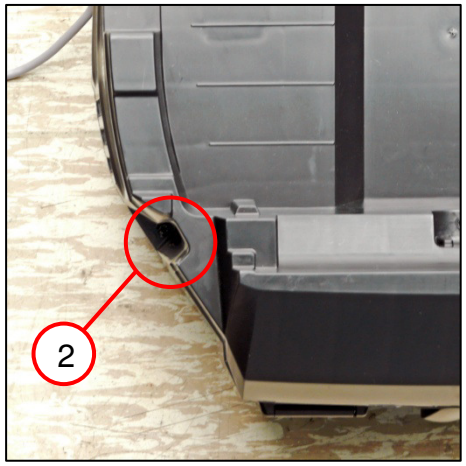
Fitting the housing [applies to: Dustex 35 LX]

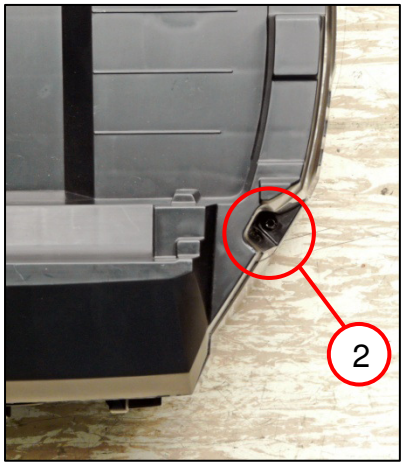


1. Position the holder (1).
2. Fit the hood (2).

Fitting

Fitting the housing



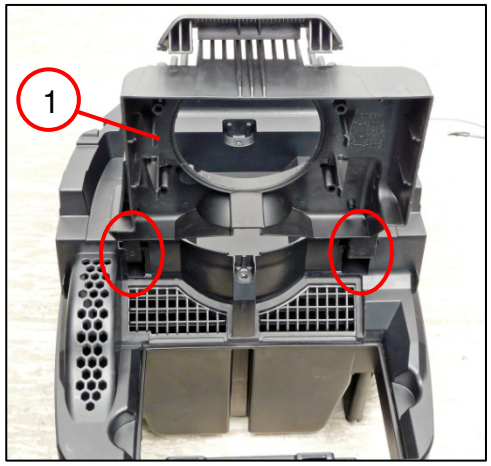


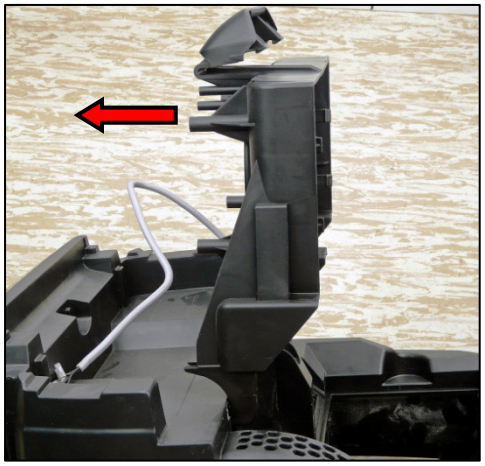
1. Screw in the screw (1).
2. Screw in the two screws (2).

Tools:

- Torx T20

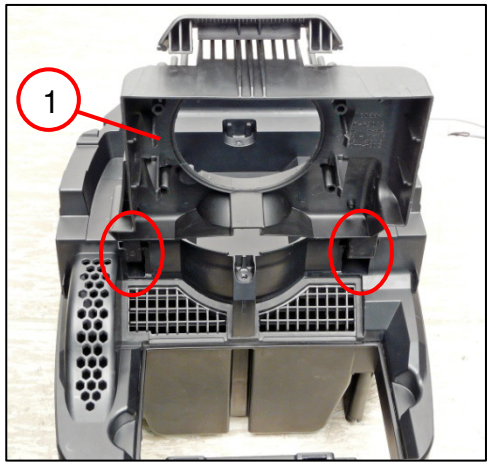
Fitting the housing [applies to: Dustex 35 LX AC]

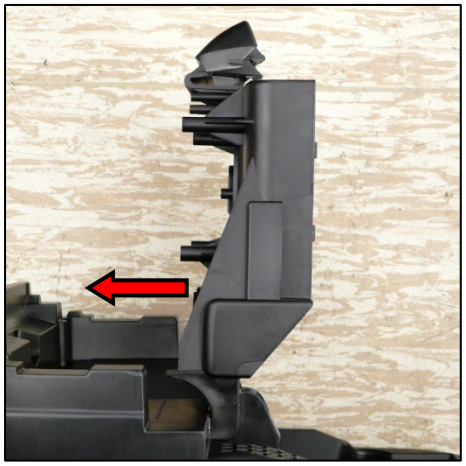




1. Fit the cover (1).

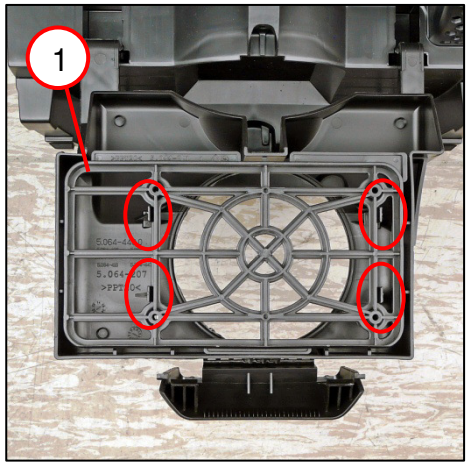
Fitting the housing [applies to: Dustex 35 LX]





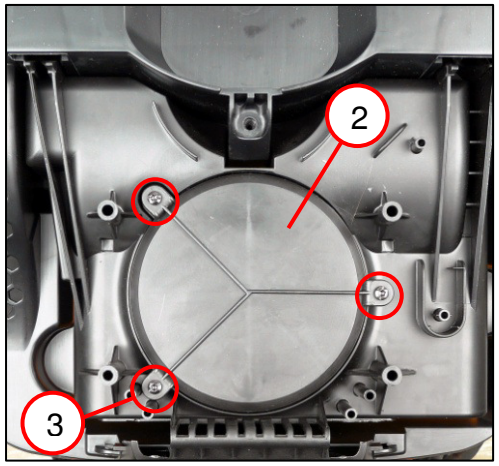
1. Fit the cover (1).

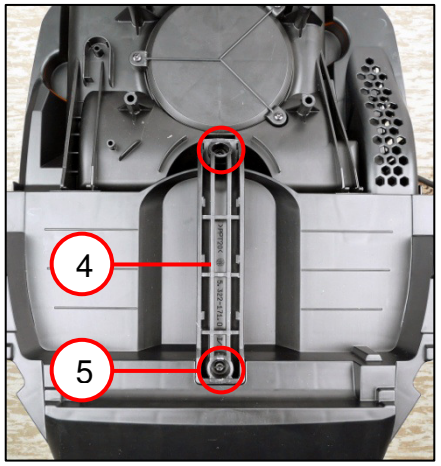
Fitting the housing [applies to: Dustex 35 LX]

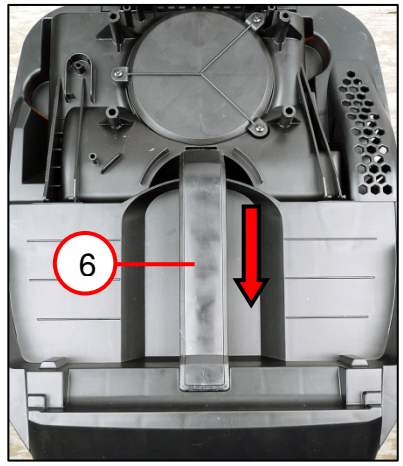


1. Position the plate (1).

Fitting the housing [applies to: Dustex 35 LX]





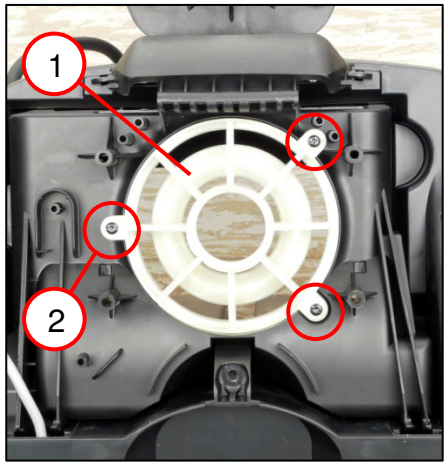


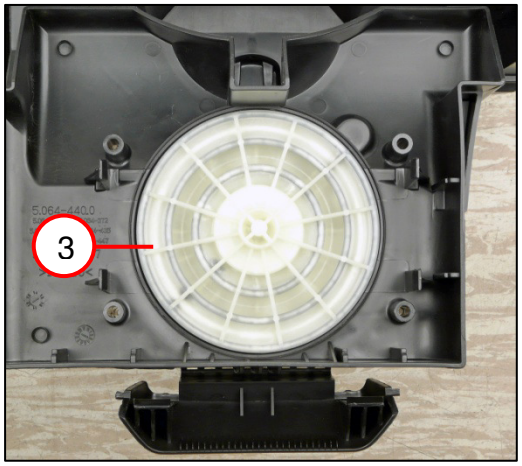
1. Position the sealing ring (1).
2. Position the cover (2).
3. Screw in the three screws (3).
4. Position the handle (4).
5. Screw in the two screws (5).
6. Slide on the cover (6).

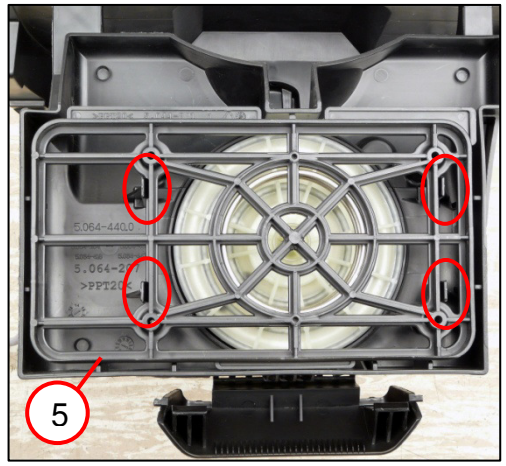
Tools:

- Torx T20; T15

Fitting the housing [applies to: Dustex 35 LX AC]





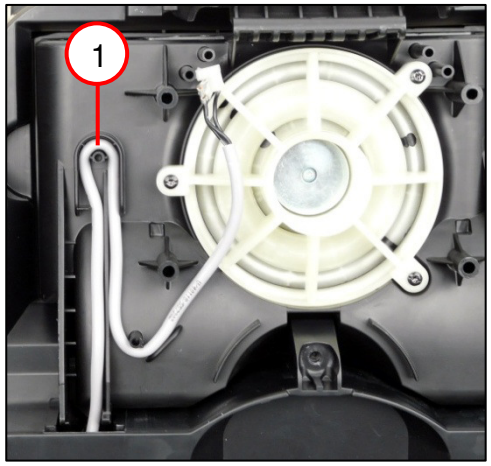


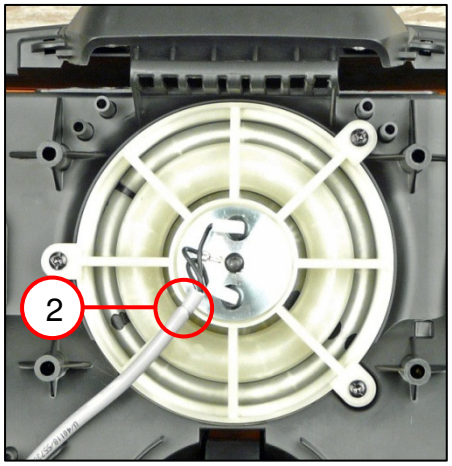
1. Place the cover (1) in the correct position.
2. Screw in the three fillister head screws (2).
3. Position the valve shell (3).
4. Position the spring (4).
5. Fit the plate (5).

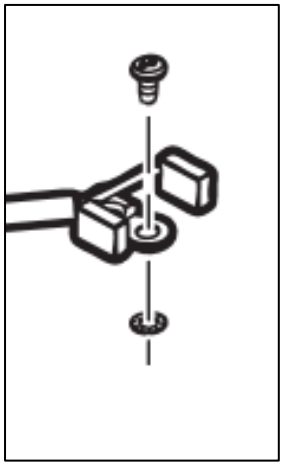
Tools:

- Torx T15

Fitting the housing [applies to: Dustex 35 LX AC]







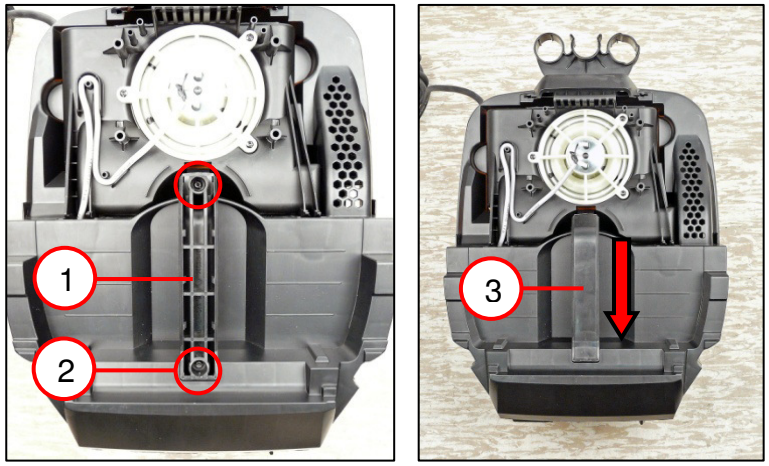
1. Lay the cable (1).
2. Connect the cable.
3. Place the magnet in the correct position.
4. Place the cable in the recess (2).

Tools:

- Torx T20

Fitting

Fitting the housing



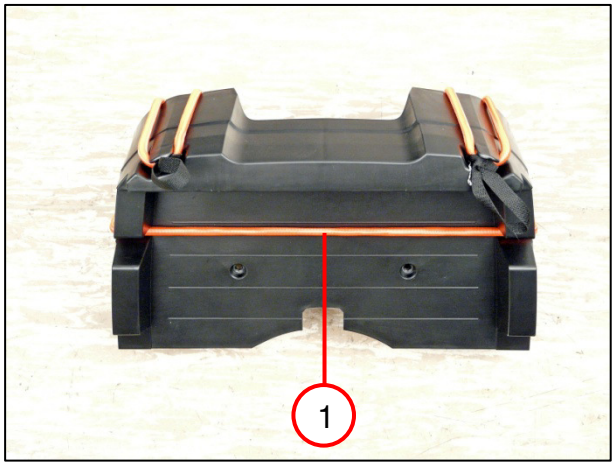
1. Position the handle (1).
2. Screw in the two screws (2).
3. Slide on the cover (3).

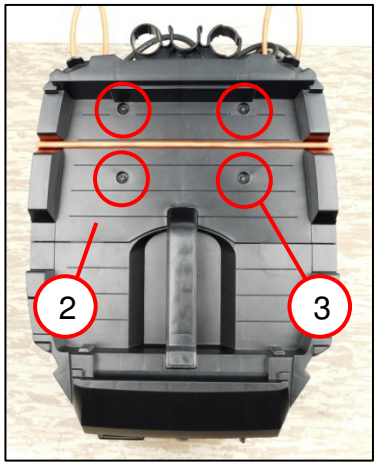
Tools:

- Torx T20

Fitting

Fitting the housing





1. Lay the rope (1).
2. Position the cover (2).
3. Screw in the four fillister head screws (3).

Tools:

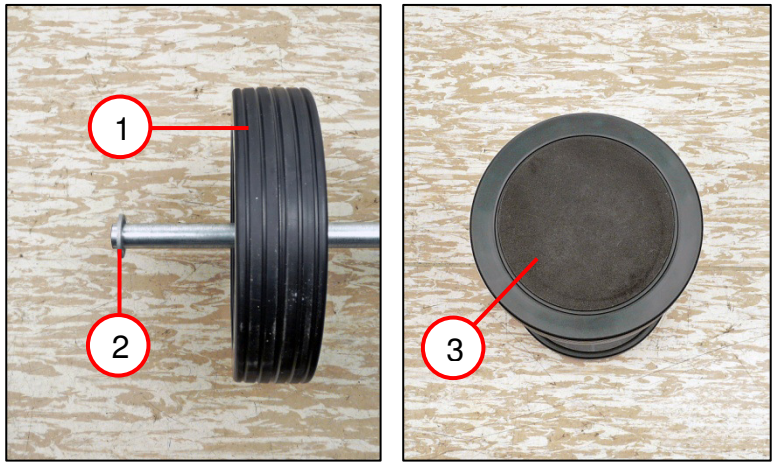
- Torx T20

Fitting the housing

1. Insert the filter (1).

Fitting

Fitting the wheel [both sides]



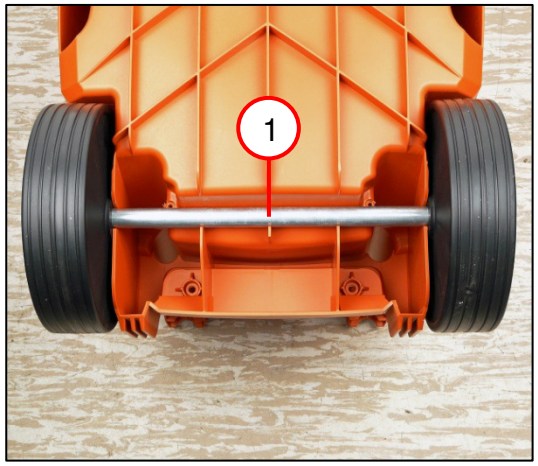
1. Place the wheel (1) on the shaft.
2. Fit the new circlip (2).
3. Fit the cover (3).

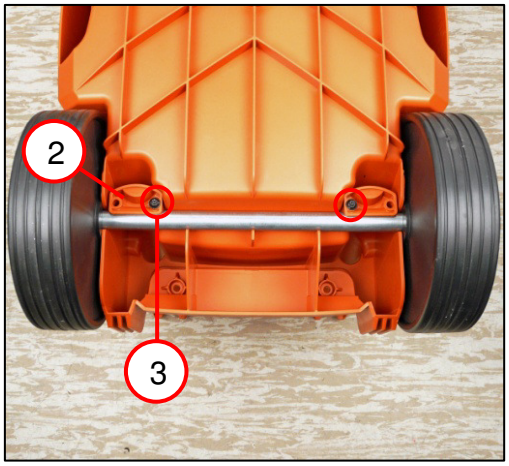
Tools:

- Plastic hammer
- Sleeve
  inner diameter 17 mm
  outer diameter 30 mm

Fitting

Fitting the container





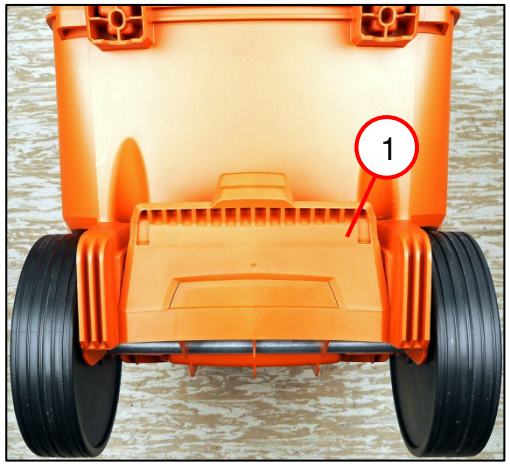
1. Position the shaft (1).
2. Position the two holders (2).
3. Screw in the two screws (3).

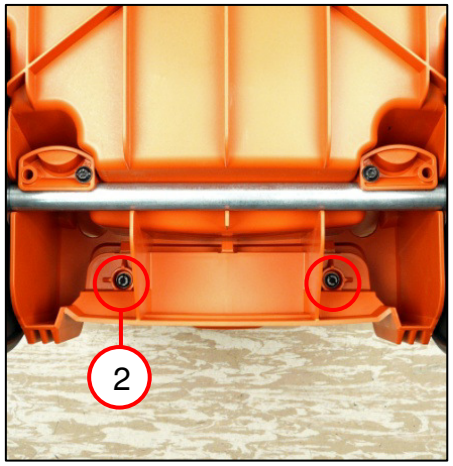
Tools:

- Torx T20

Fitting

Fitting the container





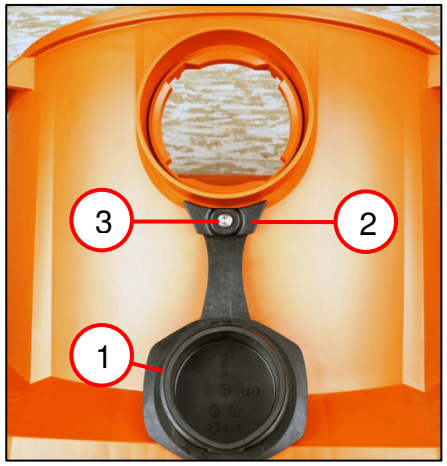
1. Fit the holder (1).
2. Screw in the two screws (2).
3. Fit the two castors (3).

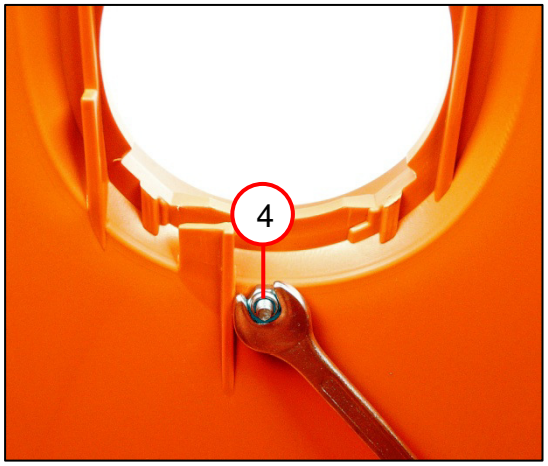
Tools:

- Torx T20
- Plastic hammer

Fitting

Fitting the container [applies to: Dustex 35 MX; Dustex 35 MX AC]





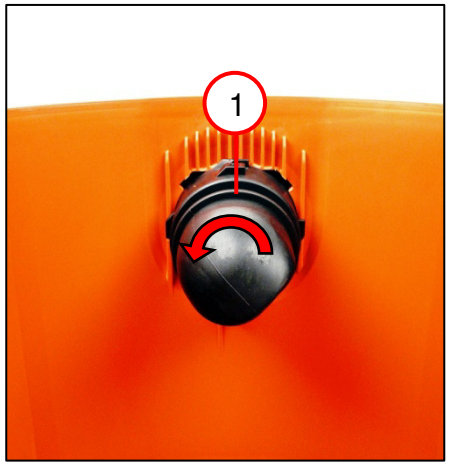
1. Position the plug (1).
2. Position the clamp (2).
3. Screw in the fillister head screw (3).
4. Tighten the nut (4).

Tools:

- Open-ended spanner 7 mm
- Torx T20

Fitting

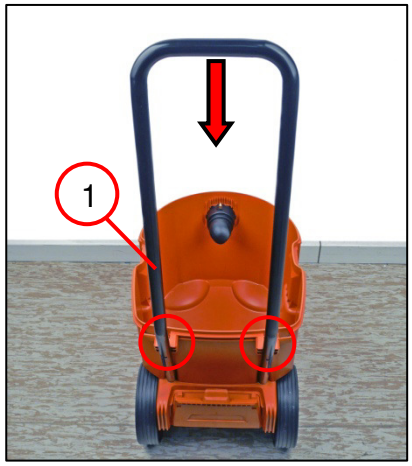
Fitting the hose connection

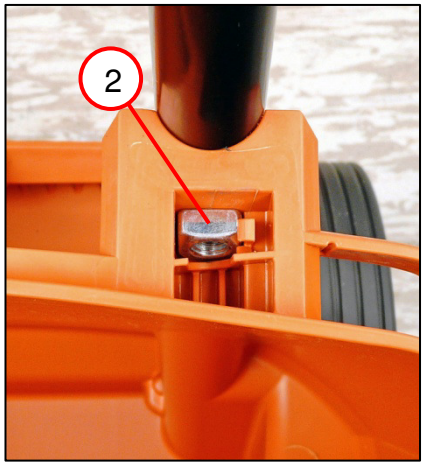


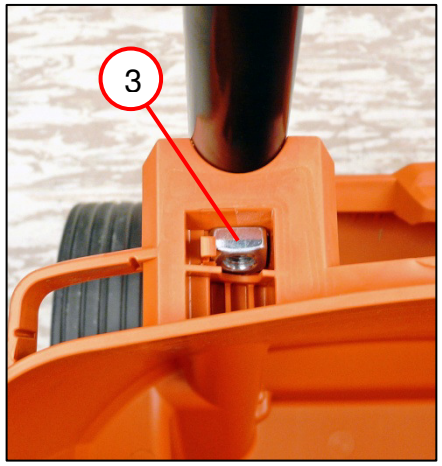
1. Fit the hose connection (1).
2. Fit the bolt (2).

Fitting

Fitting the push bar



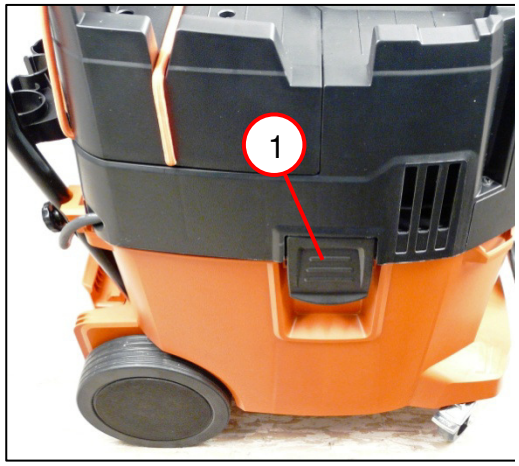




1. Position the push bar (1).
2. Position the nut (2).
3. Position the nut (3).
4. Screw in the two handles (4) [hand-tight].

Fitting

Fitting the motor housing



1. Position the motor housing.
2. Close the two lugs (1).
3. Connect the hose (2).