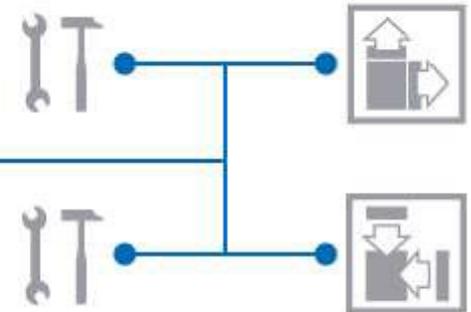




AFMM 18 (7 129 12)
AFMM 18 QSL (7 129 22)





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



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.

AFMM 18; AFMM 18QSL



Lubricants and auxiliary substances required

Lubricants

Grease	0 40 101 0100 4	10 g	Tool Head
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Troubleshooting

If the grooved ball bearing is faulty, check whether the compensating washer to the eccentric part has twisted.

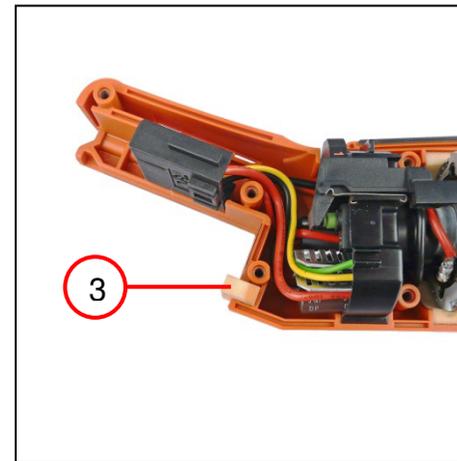
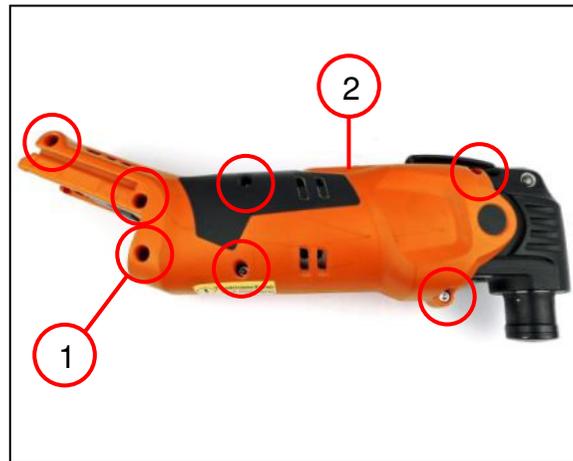
- ☞ Replace the motor if the compensating washer to the eccentric part is twisted.





Removal

Removing the motor housing



1. Cut through the type plate.
2. Unscrew the seven screws (1).
3. Remove the motor housing (2).
4. Remove the pressure piece (3).

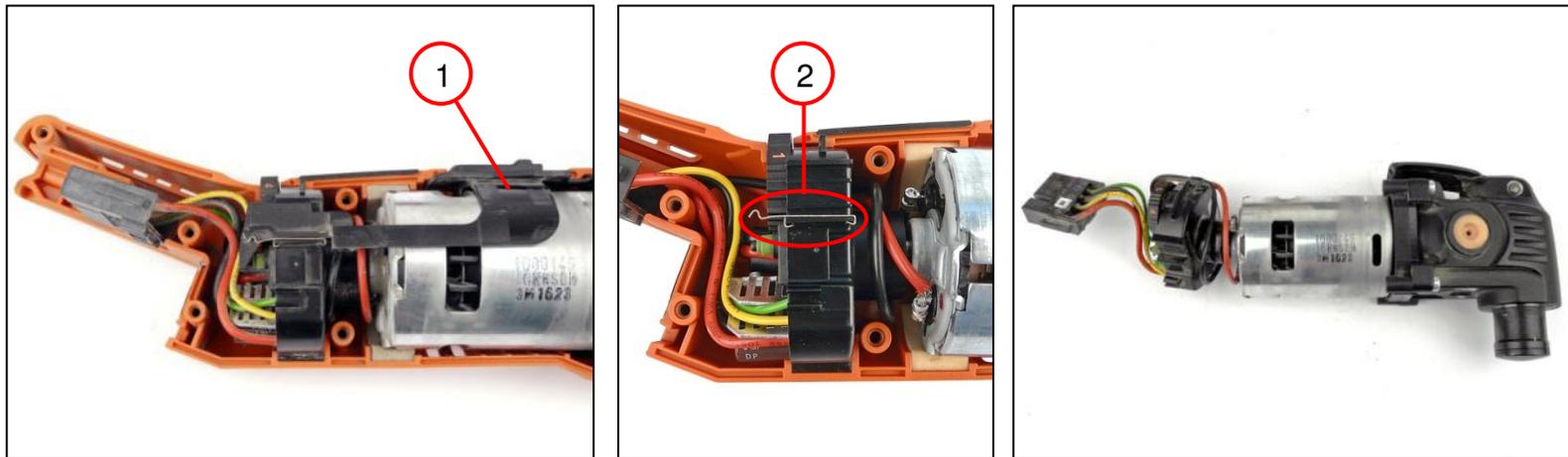
Tools:

- Blade
- Torx T15



Removal

Removing the motor housing

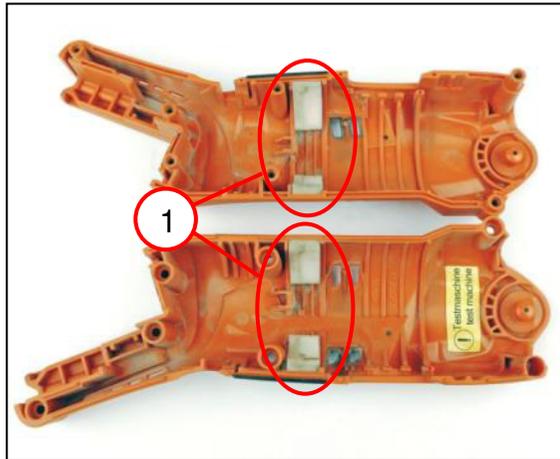


1. Remove the slide switch (1).
2. Remove the locking spring (2).
3. Remove the tool head, the motor and the electronics from the motor housing.



Removal

Removing the pressure pieces



1. Remove the four pressure pieces (1).



Removal

Removing the motor



1. Unsolder the cables (1).

Tools:

- Soldering station



Removal

Removing the motor



1. Remove the four pressure pieces (1) [on both sides].
2. Unscrew the four screws (2).
3. Turn the motor (3) to the right.

Tools:
- Torx T20



Removal

Removing the motor



1. Remove the grease (1) from the tool head.
2. Remove the magnet (2).

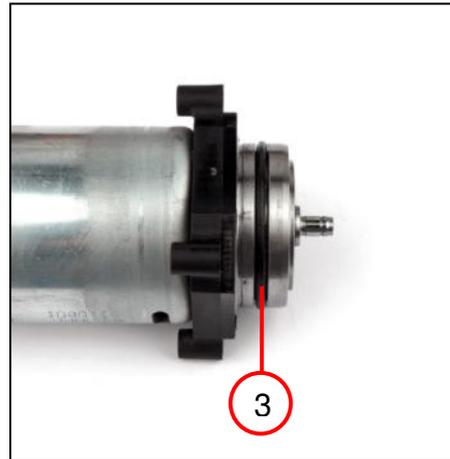
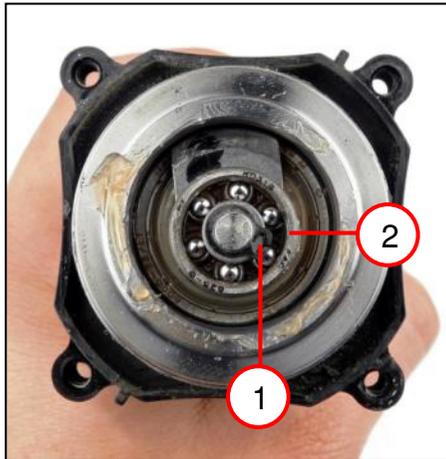
Tools:

- Hot air gun
- Press-in fixture
- Extractor tool
- Spacer sleeve
- 2x slotted screwdriver



Removal

Removing the motor



1. Remove the circlip (1).
2. Pull off the grooved ball bearing (2).
3. Remove the sealing ring (3).

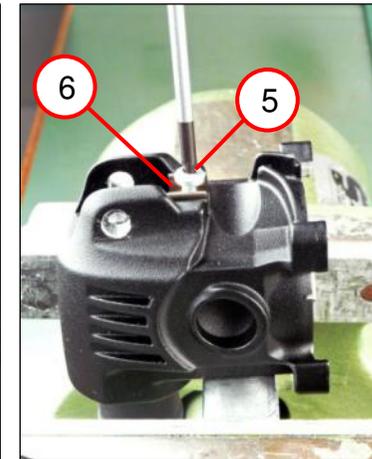
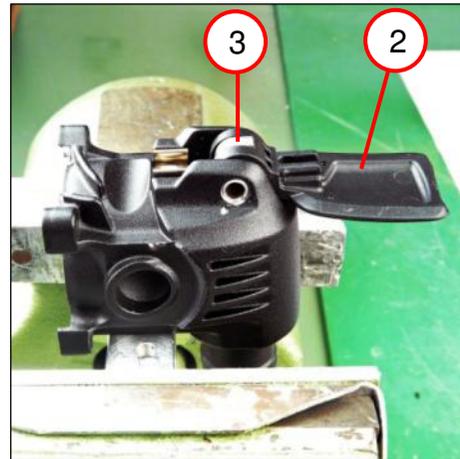
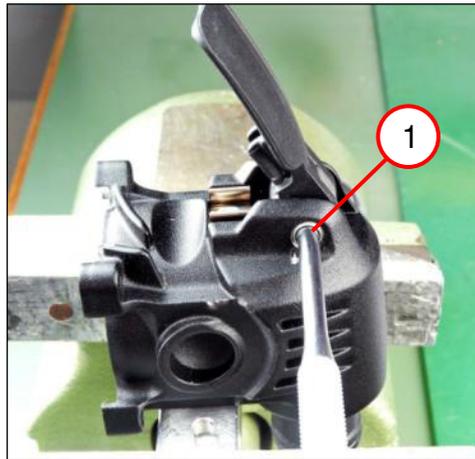
Tools:

- Circlip pliers
- Drawing-off socket cap
- Chuck cone 16 mm



Removal

Removing the tool head



1. Remove the straight pin (1).
2. Remove the lever (2).
3. Remove the eccentric ring (3).
4. Remove the two bushes (4).
5. Unscrew the fillister head screw (5).
6. Remove the locking spring (6).

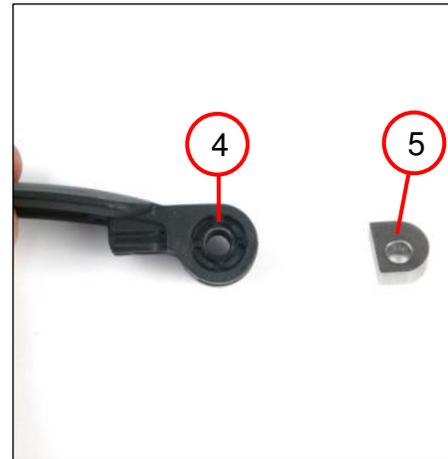
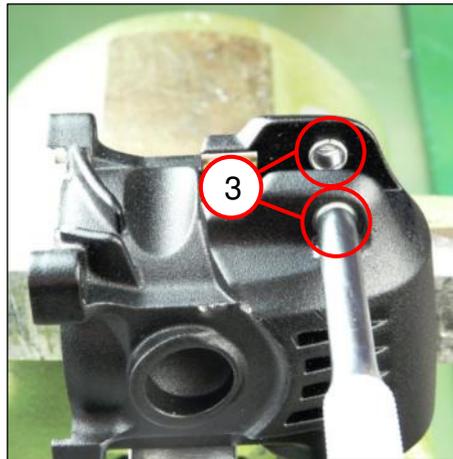
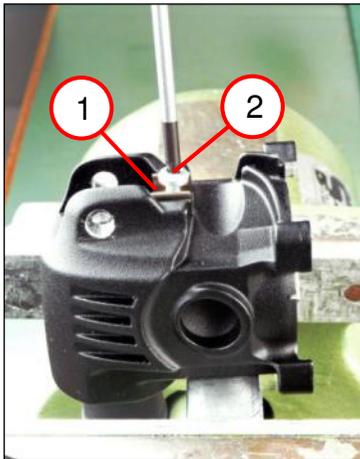
Tools:

- Assembly aid
- Vice
- Punch 5 mm
- Punch 6 mm
- Torx T20



Fitting

Fitting the tool head



1. Position the locking spring (1).
2. Screw in the fillister head screw (2) [$2.0^{\pm 0.1}$ Nm].
3. Press in the two bushes (3).
 - ☞ Press in the bushes until they are flush with the inside of the tool head.
4. Position the lever (4) and the eccentric ring (5).
 - ☞ Coat the running surface of the eccentric ring with grease.
5. Press in the straight pin (6).

Tools:

- Assembly aid
- Vice
- Punch 5 mm
- Punch 6 mm
- Torx T20



Fitting

Fitting the motor



1. Coat the sealing ring (1) with oil.
2. Position the sealing ring (1) on the bearing bush.
3. Press the grooved ball bearing (2) onto the motor shaft in the correct position.
4. Fit the circlip (3).

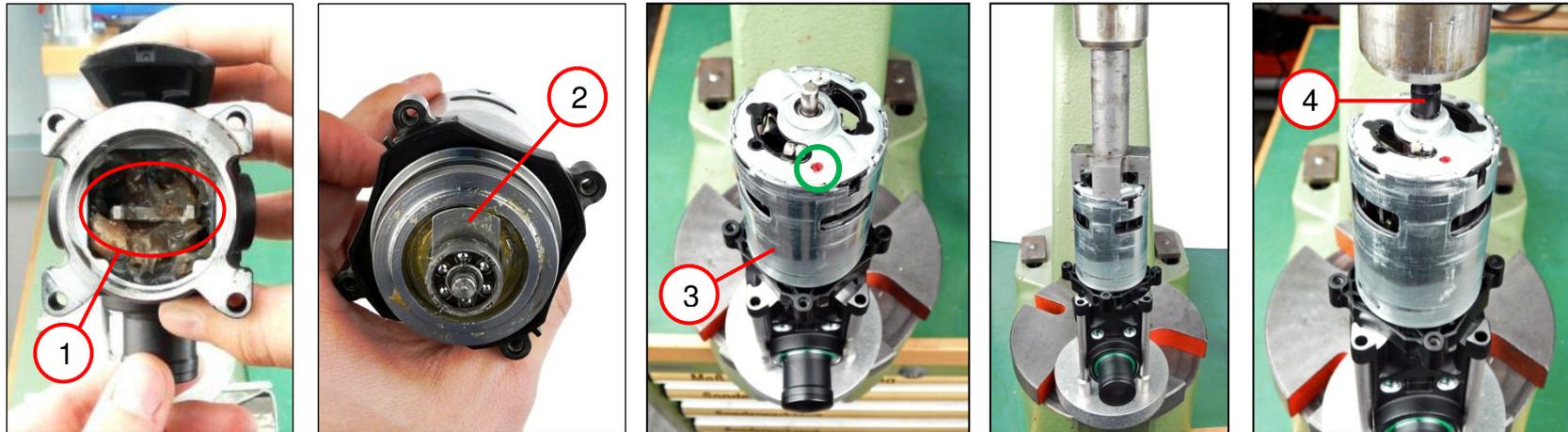
Tools:

- Arbor press
- Sleeve
5 mm inner diameter
~16 mm outer diameter



Fitting

Fitting the motor



1. Fill the tool head with 10 g of grease.
2. Centre the fork in the tool head (1).
3. Align the washer (2) with the red dot.
4. Align the motor (3) on the tool head.
 - ☞ Observe the red dot.
5. Press the motor into the tool head.
6. Press on the magnet (4).
 - ☞ Replace the magnet during fitting.

Tools:

- 10 g grease
- Arbor press
- Press-in fixture
- Press-in mandrel



Fitting

Fitting the motor



1. Turn the motor all the way to the left.
2. Screw in the four screws (1) [$2.0^{\pm 0.1}$ Nm].

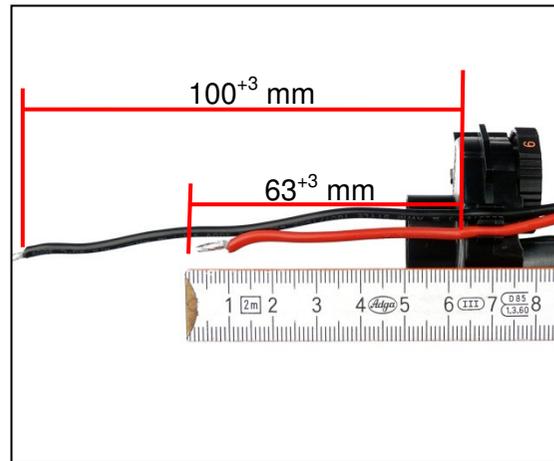
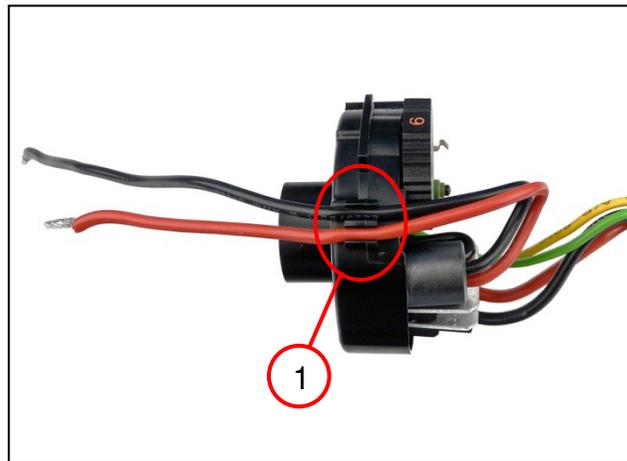
Tools:

- Torx T20



Fitting

Fitting the electronics



1. Clip in the two cables (1).
 - ☞ Observe the cable lengths.
2. Lay the cables around the electronics.
3. Lay the cables and solder them to the motor as shown in connection diagram.
 - ☞ Solder the red cable to the connection at the red dot.
 - ☞ Do not solder the cables to the motor twisted.

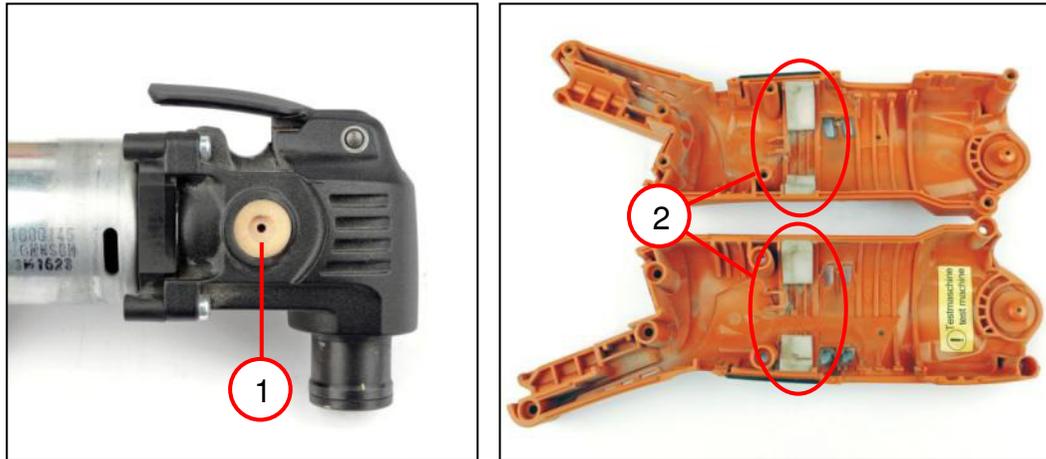
Tools:

- Soldering station



Fitting

Fitting the pressure pieces

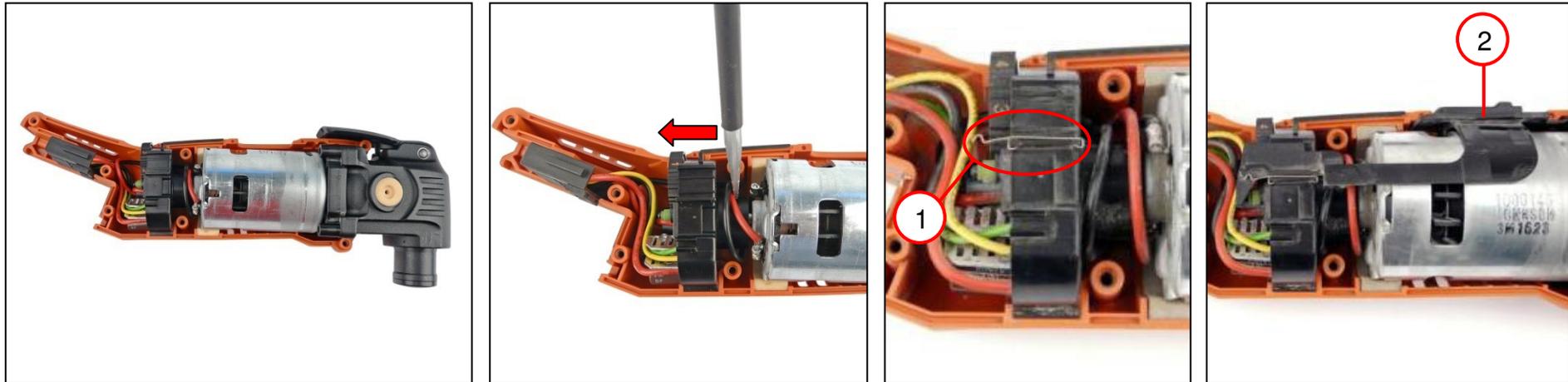


1. Insert the pad (1) [on both sides].
2. Insert the four pads (2).
 - ☞ Clean the adhesive surfaces [free of grease].



Fitting

Fitting the tool head, motor and electronics



1. Insert the tool head, the motor and the electronics into the motor housing.
 - ☞ Observe correct cable routing.
2. Insert the locking spring (1).
3. Fit the slide switch (2).



Fitting

Fitting the motor housing



1. Position the motor housing (1).
2. Screw in the seven screws (2) [$1.5^{\pm 0.1}$ Nm].
3. Insert the pressure piece (3).

Tools:

- Torx T15

AFMM 18; AFMM 18QSL



Connection diagram

Anschlussplan

Connection diagram
Esquem ade conexiones
Schém ade connexion
Схэма соединéний
接线图

7 12 91 2 – AFMM18 / 18V

