



REMOVING THE SUPPORT ASSEMBLY

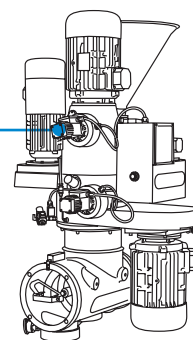


WARNING!

The operations described in this technical data sheet and those contained in the relative video tutorials which can be captured via QR CODE must only be performed by qualified technicians and only after having read the safety information contained in sections 2 and 6 of the Use and maintenance manual.

When in doubt, do not interpret! Instead directly contact the Colombini Srl technical assistance service at +39 011 8211407 service@colombini.srl

FINE GRINDING



To remove/reinstall the support assembly, the following are required:

- a) lifting system with safety hook
- b) lifting tool supplied by the manufacturer (code G0.SOLL.01)
- c) Phillips screwdriver
- d) socket screwdriver - 10 mm
- e) wrenches - 4 and 8 mm
- f) wrenches - 5 and 10 mm
- g) wrenches - 3 and 13 mm
- h) wrenches - 17 and 27 mm
- i) Allen wrenches - 3 mm and 5 mm
- j) socket screwdriver - 17 mm
- k) magnetic grinder
- l) supplied service wrench (code E0.0345)
- m) support assembly lifting hook (Code FT.IO.0005)



REMOVING THE LOWER FINE GRINDING MOTOR



WARNING!

Before being removed, the lower fine grinding discs must be moved apart by up to 0.600 mm.

- Remove the machine power supply by turning the main switch to 0.
- Close the pneumatic power supply cock and disconnect the supply hose using the quick coupling.
- Disconnect the electric power coil.



- Using a 13 mm wrench, unscrew the four bolts and remove them with their washers.
- Withdraw the hopper and close the product access compartment with adhesive tape.



WARNING!

The hopper weighs approximately 20 kg. Be careful when handling it.

- Unscrew the motor fan power connector and remove it.
- Using a 5 mm wrench, unscrew the four Allen screws and remove the cover from the motor electrical box.



WARNING!

Save/photograph the position and colour of the three power supply cables for subsequent reassembly.

- Using a 10 mm socket screwdriver, unscrew and remove the three nuts, with their washers, and withdraw the three power supply cables.
- Unscrew the upper screw and remove it with its washer and then withdraw the yellow-green earth cable.
- Unscrew the four screws and withdraw the motor fan.



- At the bench, mount the lifting tool supplied with the machine. (code G0.SOLL.01).
- Do not fully tighten the eyebolt.



- Mount the lifting tool on the motor using the two bolts and washers supplied with the tool. Use the threaded holes found on the sides of the motor.
- Using a 17 mm wrench, tighten the two bolts.
- Fully tighten the eyebolt.



WARNING!

Use an appropriate lifting system compliant with the standards and rated for the load.

Weight of the motor: Kg. 60.

- Using a 10 mm wrench, unscrew the eight bolts securing the motor to the machine and remove them with their washers.
- Save/photograph the correct position of the motor for subsequent reassembly.
- Lift and handle the motor in compliance with the standards.
- Using a 3 mm wrench, unscrew the three Allen screws securing the lubricator.



- Release the quick coupling to disconnect the grease feed hose from the valve and remove both support and valve.
- Withdraw the lubrication hose from the inside and, using your hands for leverage, lift off the white grease distribution disc attached to the hose.



- Move to the oil lubrication control unit. Unscrew the four screws, with washers, securing the transparent Plexiglas protection panel in front of the control unit. Use an 8 mm wrench.
- Disconnect the lubrication hose from its quick coupling inside the control unit.
- Withdraw the oil feed hose from inside the control unit by pulling it outwards.



- Withdraw the oil lubrication hose from inside the support assembly.



WARNING!
Wear protective gloves.

WITHDRAWING THE FINE GRINDING MICROMETRIC ADJUSTMENT WHEEL



- Unscrew and remove the red silicone caps protecting the internal screws.
- Using a 3 mm Allen wrench, unscrew and remove the upper screw and remove the side screw with a 4 mm wrench.
- Remove the complete assembly.

REMOVING THE LOWER FINE GRINDING DISC



- Unscrew and remove the Allen screw securing the seal ring and remove it from its seat. Use a 5 mm Allen wrench.
- Turn the extractor unit fully outwards.
- Using a 13 mm wrench, loosen the six blind nuts securing the duct.
- Turn the duct slightly to the right and withdraw it by pulling downwards.



- Insert the supplied service wrench (Code: E0.0345) into the arranged hole and turn the disc leftward all the way to the stop.
- Release the central nut using a 27 mm wrench.
- Turn the disc to the right and remove the service wrench.



- Unscrew the central nut while supporting and removing the assembly consisting of the lower fine grinding and rough grinding discs.



WARNING!
We recommend that a second person support the grinding discs throughout removal operations.

REMOVING THE SUPPORT ASSEMBLY



- Locate the three bolts securing the drive shaft inside the body of the support assembly.
- Using a 17 mm socket wrench, unscrew the three bolts.



- Position the support lifting hook (code FT.IO.0005) inside the threaded hole on the shaft and secure it using the Allen screw and a 10 mm Allen wrench.
- Partially withdraw the support assembly from the base.



WARNING!
Make certain that oil does not leak from the support assembly.



- Fully withdraw the support assembly from the machine.

REINSTALLING THE SUPPORT ASSEMBLY



WARNING!

Wear suitable slip-resistant gloves.

- Thoroughly clean the inner compartment.



WARNING!

Be careful when inserting the support assembly.

The slot on the support assembly must line up with the indicated hole in the compartment (the larger hole).

- Insert the support assembly all the way into the compartment, unscrew and remove the upper Allen screw.
- Remove the tool used for extraction and reassembly.
- Using a magnetic grinder, position the three securing bolts and tighten them using a 17 mm socket wrench.



- Insert the transparent hose connected to the support assembly into the passing hole inside the compartment and then into the passing hole on the oil control unit.
- Insert the hose into its quick coupling inside the control unit box.
- Properly lay out the hose at the bottom of the housing.



WARNING!

Reinstall the encoder for the fine grinding micrometric adjustment wheel.
(See sheet no. 15).



- Connect the lubrication hose to the quick coupling inside the control unit box.
- Insert the white grease distribution disc and pass the hose connected to the disc out through the special hole.
- Connect the grease hose to the quick coupling on the lubricator support flange.



- Install the flange with lubricator using the three 3 mm Allen screws.



WARNING!

Reinstall the lower fine grinding motor. (See sheet no. 01).
If necessary, reinstall the rough grinding motor. (See sheet no. 03).



WARNING!

Run mechanical fine grinding zero calibration.
(See sheet no. 13).



WARNING!

Reinstall the lower fine grinding disc.
(See sheet no. 07).



WARNING!

Run the grinding disc reset procedure.
(See sheet no. 08).

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