

Preventive maintenance for E23 FVT 18 / E212 / E218 / E224

This is not a grease manual and has to be seen as an addition to the regular lube service. This is a check-up on parts and areas, which might cause a problem if it is without attention for a long period of time. This manual will help to prevent unexpected downtime.

Weekly procedure:



Check the glue roller surface for scratches.
Check the distance between the cover plate and the glue roller to avoid glue going up the mounting nut.
Check the glue scraper blade and groove scraper for wear every time the glue assembly is put together.

Ensure that the glue roller assembly is greased every time before start-up.

The belt and the press-on pad have to be checked for scars and flexibility.

Ensure that the press-on pad is tight in the holder unit.



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At the backside of the glue roller, you need to check:

The idler roller for:

- Vertical position to glue roller
- Distance to glue roller
- Easy movement
- No play in the height between the tips
- Positioning to the glue roller grooves

Check the label guide blades. The position of these blades allow for a good label transfer. The inner blade should guide the label between the idle roller and the glue roller. The outer blade is approx. 3/18" open.



Ensure that the belt is free of grease and oil and that it is on the pulley the right way. Ensure by visual check that the main label transport belt is running towards the glue roller.



Check all the belts, especially the welding points for wear and cracks.
Check the ball bearing of all the drive shafts
Check the timing belts on top of the belt station
Check the universal joint underneath
Check the belt pressure at the transfer roller make sure the label is pushed onto the glue roller

Monthly check-up:



Check all drives and chains inside. Check drive shaft, which drives roll-on, station for play and lube chain drive.

Check the timing belt, which leads to the universal joint shaft for cracks and proper tension.



Check conveyor chain drive.

Older machines have a different drive system. There you may need to take the cover of a chain drive off and check:

Tension of drive chain.
Sprockets

! Use caution and lock drive out



Clean air filter on the vacuum blower motor.

This filter has to be changed at least once a year.



Keep shafts for central adjustment clean.
WD 40 once a month helps to prevent linear bearings from being damaged.

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Check feed screw drive:

Ball bearings

Drive pin and coupling

Chain and sprockets

Gear drive: speed adjustment and oil level

At the magazine, we need to check:
Vacuum pick-up bar for play in bearing housing
The label limit stop bar has to be checked for:
Spring tension
Distance to sensor
Adjustment (distance) to vacuum bar

The air pressure gages have to be checked as well. Take adjustment list and check if the pressure is set according to the set up sheet.



Check the belts for scars and wear.
Ensure that the label pusher is tight on the belts when knob is released.
Check movement forward:
Every 6 – 8 labels one step forward.
Check belt drive and clutch as well as the stop for the clutch.
Ensure that all knobs are in good shape and working. Spray lube on the guide shaft of the label pusher.



Check label fingers and side holder for positioning
Check the knife blades, top and bottom
Check air tube for the right position to blow air in the first 10 to 15 labels

Check Warner clutch (under cover) and timing belt for wear.

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Please note that some of these pictures will not show the exact set up on your machine. It will be very similar and you should be able to see this on your machine.

Service and lubrication do not require the machine to run. Therefore:

LOCK OUT THE MACHINE!

Some of the suggested check-ups require that the machine is set up with labels and some even require production.

Be extremely careful and **do not touch moving parts.**

This manual is created to reduce down time and to detect possible failures ahead of time. If some of you want to contribute to this manual by letting me know where we can add or improve points, you are more than welcome to send me your suggestions.

Sincerely,

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