

TROUBLESHOOTING GUIDE

FC4000

1 – Clip is not feeding

2 – Clip does not drive
correctly

3 – Blade is stuck

4 – Recommended
maintenance

1 – Clip is not feeding

- Check air pressure: should be 70-90 P.S.I., adjust as necessary
- Lubricate tool and clip-feeder assembly
- Check to make sure clips are loose on the coil
- Are the clips routed properly?
- Are the clips entering the tool at too much of an angle?
- Are the clips free on the VC3076 transfer rail and VC3010 entry rail?
- Check to make sure that the clip-feed cylinder is engaged and that the assembly is tight to the mounting bracket
- Is there an air leak in the feed piston (manually cycle the tool and keep the button compressed and listen for leaks)?
- Is the feed pawl VC3011 engaged and is the VC3014 feed pawl spring operational?
- Are the VH0524 ball bearings in place as well as the VC3012 spring?
- Feed piston (clip feeder) internal spring VC3016 may be broken
- VC5117 torsion spring may be missing or broken
- Is the VC3049 turntable assembly turning freely?
- Is VC3073 disc cap assembly in place?
- Does the clip collation look normal (compare with other samples)?
- Is the VC5900 driver blade stuck down? If so, please follow troubleshooting procedures for “blade stuck down or tool doesn’t fire”?

2 – Clip does not drive correctly

- Check air pressure
- Check for air leaks
- Lubricate tool
- Inspect the VH0504 muffler for dirt and debris
- Improper anvil for the wood thickness being used
- Rail not pushed up against the tool(s) properly
- Check for knots or voids in the wood
- Pedal/knee bar not fully actuated
- VH0387 not open fully
- Are the VH0524 ball bearings in place as well as the VC3012 spring?
- VH0379 cylinder may have internal issue

3 – Driver blade is stuck in the down position

- Add lubrication
- Check for obstruction(s), possibly jammed clip, in the area
- VH0325 set screws may be loose
- Driver blade may be broken
- Cylinder(s) may be broken
- Check for burrs on the VC3031 and VC3032 side plates
- Bad VH0469 valve

4. Recommended maintenance

- Daily
 - Use air gun to blow off woodchips, sawdust, and debris from machine including tool, clip trigger, acme rod, tool-height adjustment area
- Daily
 - Add 2 to 3 drops of 30W non-detergent, no-additive oil to opening between the front plate and the top of the blade of the tool assembly
- Weekly
 - Check for loose or missing screws, nuts, or bolts
 - Remove air hose from clip-feeder assembly and add 2 to 3 drops of 30W non-detergent, no-additive oil to the hose opening and reinstall
 - Remove tool air supply hose and add 2 to 3 drops of 30W non-detergent, no-additive oil to the hose opening and reinstall
- Bi-weekly
 - Drain reservoir air tank of water/condensation
- Monthly
 - Clean mufflers (remove and clean)
 - Remove front plate from tool and lubricate drive blade, front plate, and top plate
 - Remove air supply hoses on clip-lifter cylinders and add 2 to 3 drops of 30W non-detergent, no-additive oil to the hose openings and reinstall
 - Remove hose and oil clips trigger
 - Check hoses for cuts and abrasions
 - FC2000 only: clean and oil clip dispenser turntable assembly
- Annually
 - Rebuild tool
 - Degrease and clean all machine areas