

TROUBLESHOOTING GUIDE

VC4000

1 – Clips do not feed
correctly

2 – Clips are not driven
properly

3 – Driver blade is stuck
down

4 – Recommended
maintenance

1 – Clips do not feed properly

- Check air pressure: should be 70-90 P.S.I.; adjust as necessary
- Check to make sure clips are loose on the roll
- Are the clips routed properly?
- Are the clips entering the tool at too much of an angle?
- 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)?
- Are the feed pawls VC5122 and VC5123 engaged and are the VC5121 feed pawl springs operational?
- VC5127 feed piston (clip feeder) internal spring may be broken
- VC5117 torsion spring may be missing or broken
- Is the spool holder VC5907 worn or grooved, causing the roll to not move freely?
- 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 – Clips are not driven properly

- Check air pressure
- Check for air leaks
- Inspect the VH0504 muffler for dirt and debris
- Improper anvil for the wood thickness being used
- Check for knots or voids in the wood
- Make sure rail is up against the VC5911 guide plate
- Pedal/knee bar not fully actuated
- VH0387 not open fully

3 – Driver blade is stuck down

- Lubricate tool
- Piston may have come unscrewed from the driver blade
- VC5900 driver blade may be broken
- Internal problems with VH0379 cylinder
- Check for debris that may be lodged
- Check for burrs on VC5902 and VC5903 side plates
- Bad valve VH0469

4 – Recommended maintenance

- Daily
- Use air gun to blow off woodchips, sawdust, and debris from machine
 - 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 hoses from all hold-down and end-stop cylinders and add 2 to 3 drops of 30W non-detergent, no-additive oil to the hose opening and reinstall
 - Check hoses for cuts and abrasions
 - FC4000 only: clean and oil clip dispenser turntable assemblies
- Annually
- Rebuild tool
 - Degrease and clean all machine areas