

# TROUBLESHOOTING GUIDE

FC2000

1 – Improper clip spacing

2 – Clips do not feed  
properly

3 – Clips are not driven  
properly

4 – Driver blade is stuck  
down

5 – Tool height not working

6 – Recommended  
maintenance

# 1 – Improper clip spacing

- Make sure VH0134 trigger switch knob and end stop knobs are in correct position and tight
- Make sure VH0040 t-bolt is positioned in the slot when tight
- Check VC5327 trigger switch assembly and inspect to make sure it is not excessively worn or damaged
- Make sure that the operator has a fluid motion when guiding the rail through the clipping head
- VH0050 flow control valve may be misadjusted for the operator speed

## 2 – Clips do not feed properly

- Check air pressure
- Add lubrication
- Clips are too loose or tight on the coil
- Check to see if clips are routed correctly and are free on the track
- Does the clip dispenser turntable spin freely?
- Is the VC3164 brake in place and adjusted properly?
- Is the feed cylinder engaged and mounted tightly?
- Are the feed pawls in the side-plate engaged and working properly?
- Are the feed pawl springs worn?
- Are all of the VH0524 balls in place?
- Is the VC3016 clip feeder spring functioning?
- Is the VC3035 driver blade stuck in the down position?
- Check the collation of the clips for condition (compare them to other samples)

## 3 – Clips are not driven properly

- Check air pressure
- Inspect the muffler for dirt and debris
- Make sure that the tool height is adjusted properly
- Check for air leaks
- Check for knots or voids in the wood
- Make sure that the rail is pushed up tight to the VC5214 entry guide rail and VC5364 uni-strut rail

## 4 – Driver blade is stuck down

- Add lubrication
- VH0325 set screws may be loose
- Driver blade may be broken
- Cylinder(s) may be broken
- Check for burrs on the VC5902 and VC5903 side plates
- Bad VH0469 valve

## 5 – Tool height not working

- VH0179 plunger disengaged: adjust head and reinsert to lock
- Debris in VC5241 acme rod or VC5216 sprocket
- Obstruction in VC5216 sprocket or VC5218 chain
- Check to make sure VH0159 is tight and not missing

# Recommended maintenance

- Daily
  - Use air gun to blow off woodchips, sawdust, and debris from machine including tool, clip trigger, acme rod, and tool height adjustment area
  - 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