



FloorCrafter Improvements

DESIGN IMPROVEMENTS



Upgraded cord and twist lock plug.

Added a stamped serial label.

Upgraded to heat treated motor mount pins to prevent stripping.

Upgraded the pulleys to zinc finish to prevent rust.

Tensioner handle machining process improved.

Added a directional label for the tensioner handle.

Improved design to the belt guard door hinge for more consistent assembly.

Upgraded the rear caster assembly to include a staked nut and an elasta-nut.

Upgraded the front edge bumper to a bolt on design.

UPPER ROLLER

Tensioner QA process improved by inspecting subassemblies prior to installation.

Upgraded spring and added graphite to improve tensioner response.

Tensioner adjustment can be made with a hex head or open end wrench.

Tightened the specification tolerance to eliminate variation between upper rollers.

Supplier QA process improved to eliminate loose pins.

Manufacturing process changed to prevent the spur from warping.



VIBRATION

Upgraded the rubber mold to improve drum quality.

Precision balancing process upgraded and moved to the Sparta factory.

Improved materials and specifications on the fan and drum belts.





FULL IMPROVEMENT LIST

CHANGE	BENEFIT
Upgraded cord and twist lock plug	Improved durability
Added a stamped serial label	Accurate product identification
Upgraded to heat treated motor mount pins	Improved durability - prevents the bolts from stripping
Upgraded the pulleys to zinc finish	Prevents rust
Tensioner handle machining process improved	Tightens the tensioner handle and allows for more consistent assembly
Added a directional label for the tensioner handle	Ease of use
Improved design to the belt guard door hinge	Allows for more consistent assembly
Upgraded the rear caster assembly to include a staked nut and an elasta-nut	Prevents the rear caster from backing out during transportation
Upgraded the front edge bumper to a bolt on design	Prevents the edge bumper from falling off the machine
Tensioner QA process improved by inspecting subassemblies prior to installation	Improved quality
Upgraded spring and added graphite to improve tensioner response	Improved tensioner response
Tensioner adjustment can be made with a hex head or open end wrench	Ease of use
Tightened the specification tolerance to eliminate variation between upper rollers	Improved quality
Supplier QA process improved to eliminate loose pins	Improved quality
Manufacturing process changed to prevent the spur from warping	Improved quality
Upgraded the rubber mold to improve drum quality	Improved quality
Precision balancing process upgraded and moved to the Sparta factory	Reduced vibration
Improved materials and specifications on the fan and drum belts	Reduced vibration
Improved manufacturing process to eliminate out of spec parts	Improved quality
Improved supplier inspection process to eliminate out of spec parts from the supply chain	Improved quality
Built a new assembly fixture for the motor capacitor box	Allows for more consistent assembly
Improved end of line QA process	Improved quality
Modified torque spec for drum assembly	Prevents drum damage during assembly
Added a cooling fixture to the transport base assembly process	Prevents transport base warpage
Added operator instructions for feathering handle set-up	Proper operator set-up
New variacs purchased for the manufacturing line	Improved quality
Supplier manufacturing improvement on the tool pouch	Improved quality
Manufacturing improvement to the feathering handle bolt installation	Prevents the bolt from backing out during operation
New equipment to measure head pressure during assembly	Allows for more accurate head pressure settings

