



888-680-4466

PRS Maintenance Checklist:

-Each day before cutting

1. Warm up spindle for 6-9 minutes **C5**
 - If no RPM Controller manually turn to 1/2 RPM
2. Physically check bit, collet and collet nut for wear and debris
3. Verify there are no obstructions in the path of machines movement
4. Home the X,Y axis using the proximity switches
 - Click on icon or type in **C3**
5. Zero the Z axis to match the location zeroed in the part file
 - Either the machine surface or the material surface
 - Click on the icon or type in **C2**
6. Verify proper operation of router/spindle, vacuum and dust collector

-Every 40 hours of use

1. Clean rack and pinions for X, Y and Z with small brush and re-grease. Add a BB size blob of light grease every 6" along the rack. Then run the ShopBot to its extents in all axes about 10 times. Wipe off any excess grease.
2. Clean the Utilitrack (C channel rails on sides of PRS Z extrusion) with a solvent/lube like WD-40 and a Scotchbrite pad. In high dust environments plastic rail wipers may have to be removed for proper cleaning of buildup. Wipe with light grease or machine oil.
3. Scrub all hardened V rails with a Scotchbrite pad saturated with WD-40. Wipe with clean rag. Remove dust covers and check V rollers for buildup and clean with small brass brush if needed.
4. Add light machine oil to felt oilers inside of the 8 wheel covers and 4 rail wipers.
5. Check that the rack/pinion/motor/shaft relationship are lined up and tight.
6. Collets and pinions are good for **400-500 hours MAXIMUM** if they are kept clean and have not been crashed.