



California Air Tools – Setup and Upgrades

Setup

- Since the air compressor is in close proximity to the work area I chose this particular compressor for its low noise level
- In order to maximize valuable floor space, I removed the wheels and handle bar and mounted the compressor and the auxiliary tank right below the ceiling
- This position did not allow to view the pressure gauges or to operate the manual on/off switch of the compressor. I relocated the pressure gauges, and attached an aluminum rod as an extension to the on/off switch

Alterations and Improvements

- In order to reduce the frequency of compressor activation I added a 10gal auxiliary air tank, mounted next to the compressor, and connected with a high-pressure air hose and shut off valve
- To prevent a leak or repairs/maintenance work from compromising all pressurize air supply, I installed three separate air circuits for
 - Mill (Air gun, MQL) and Snapmaker (air cooling for Laser cutting)
 - Lathe (Air gun, MQL) and CNC Mill (Air gun, Power draw bar, MQL)
 - Workbench (Air gun)

Air is routed to these circuits from the compressor through a “switchboard” with three separate cut-off valve