

## R&D Projects - Kitchen

### Understanding/Agreement

- Find Cabinets for Island
  - Search Island DIY instructions!
    - [Images](#)
    - [Video](#) from [RTA Store](#)
      - [Oak Single Door Base Cabinet 18"W](#), Model: GB18, \$84.44
      - [Oak Three Drawer Base Cabinet 18"W](#), Model: GDB18, \$124.87
    - [Roll away kitchen island](#)
  - Home Depot
    - [52.5 in. W Kitchen Cart in Natural Wood](#) - \$372.25
    - [48 in. W Wood Americana Vintage Kitchen Island with 2 Stools](#) - \$1,037.25
    - [18x34.5x24 in. Base Cabinet in Unfinished Oak](#) (composite box) - \$83.00
  - [Knoxville Kitchen Sales](#)
  - [Knox Rail Salvage](#) link to [Faircrest Cabinet Catalog](#)
  - 
  -
- Note specs on Hood
- Specify Project tasks for
  - Counter tops
  - Range
  - Refrigerator
  - Hood
    - [GE Vent Hood Installation](#)
      - Mark centerline on wall
      - Mark X Line (bottom of hood 24"-36" from range top)
      - Mark a line 7" above X Line
      - Draw horizontal A Line (7" above X Line)
      - Mark 5 1/2" points on A line (from both sides center line)
      - Drill canopy mounting anchors into wall
      - Install mounting screws into the anchors; leave 1/4" gap.
      - Draw D line, 1 1/4" above X line
      - Mark 7 7/8" points on A line (from both sides center line)
      - Drill 9/32" holes at each point and insert duct mounting anchors
      - Draw horizontal E line 4 5/16" above X line, on left of center line
      - Mark point 6 1/4" on E line to left of center line.
      - Drill 1 1/4" hole at that point and run power supply cable thru hole. (Use certified electrician for this work.)

- Determine location for each duct cover bracket and install on wall. Bottom bracket 10½” from top of ceiling (board covering ceiling).
- Remove grease filter from hood.
- Place hood over mounting screws.
- Insert screws into mounting anchors on line D.
- Connect power supply cable to hood; replace junction box cover.
- Securely press the damper on top of the exhaust opening; check that the damper opens freely.
- Connect house ducting to the damper on the hood body.
- Seal all connections with duct tape.
- Install upper duct cover by spreading sides of the cover and hooking them behind the mounting brackets.
- Attach cover to the bracket with 4 duct cover screws.
- To install the lower duct cover, use a flathead screwdriver or pliers to push the 2 tabs forward on the lower cover.
- Angle the lower cover to slide the tabs under the ledge of the body and seat it on top of the hood.
- Turn the power supply on.
- Celebrate completion of installation.
- 
- Parts
  - Vinyl siding block for wall mount vent
    - Home Depot Online: [6.625 in. x 6.625 in. #085 Clay Surface Mounting Block for Dutch Lap Siding](#)
- Tools
  - Milwaukee [6 in. Hole Dozer Hole Saw](#) (Oak Ridge Home Depot, Aisle 12, Bay 013)
- [Ducting Do's and Dont's for Vent A Hoods - Kitchenfoundry.com](#)
  - Don't reduce
  - Use metal tape inside and out
  - Use high flow roof and wall caps
  - Use gravity flaps with no springs (re: reduction of flow = noise)
- [How to Install a Range Vent Hood - This Old House](#)
  - Use 6” saw to drill through
  - Use PVC block for siding insert with 6” cutout
  - Attach metal vent cover
- [Range Hood Typical Installation - www.KitchenHoods.ca](#)
  - No narrative, good step by step photos
  - Recommended distance from gas cook-top is 30”, from electric 24”-30”
  - Cutting the 6” exhaust with drywall saw.
  - Cutting the 6” exhaust opening outside with knife

- 
- 
- Make cardboard template of hood
- Check the cap damper, it should be able to open and close without a problem
- Contractors/Resources
  - [Hiller Plumbing, Heating, Cooling & Electrical](#) Knoxville  
5507 Ball Camp Pike, Knoxville, TN 37921  
865-824-2698
  -