

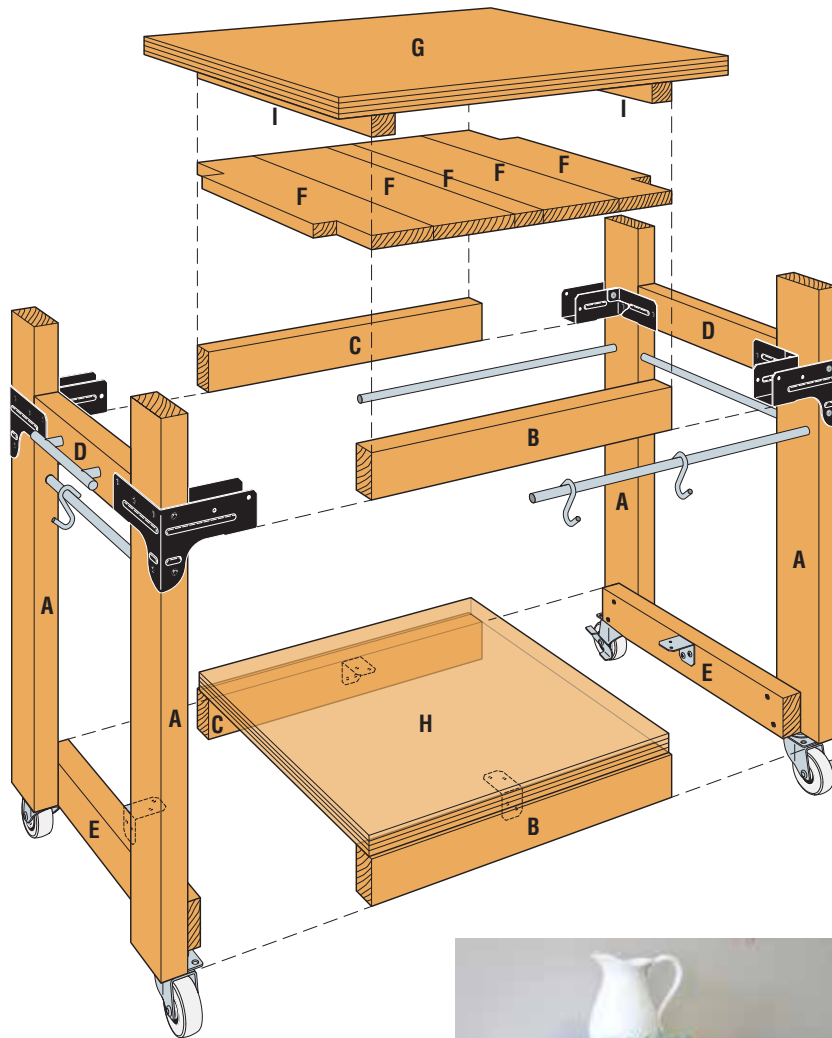


# Mobile Kitchen Island

Make the most of your kitchen space with a portable kitchen counter and a place for additional storage. Construction is easy, and Simpson Strong-Tie® connectors ensure that your kitchen island is sturdy and solid.



Check out our installation and building-tip videos at [diydoneright.com](http://diydoneright.com)



## TOOLS YOU NEED

- Power saw (hand or table)
- Power drill with Phillips bit
- Pencil
- Tape measure
- Speed square
- Clamps
- Sander or sandpaper
- 1/2" drill bit
- Painter's tape
- Rags for applying cutting block oil
- Nail gun or hammer

## INSTALLATION INSTRUCTIONS

### 1. CUT LUMBER TO SIZE.

Use straight cuts.

### 2. ATTACH LEGS TO CONNECTORS.

Attach RTC2Z connector 5" down from the top of each leg (A) with SD8 screws. Position legs so their wider sides face each other.

### 3. INSTALL HANGER ROD.

Using a 1/2" drill bit, create holes 9" from the top of each leg and 1" from the outside of the island. Insert metal rod and place S hooks in preferred orientation (facing in or out).

### 4. ATTACH RAILS AND CASTERS.

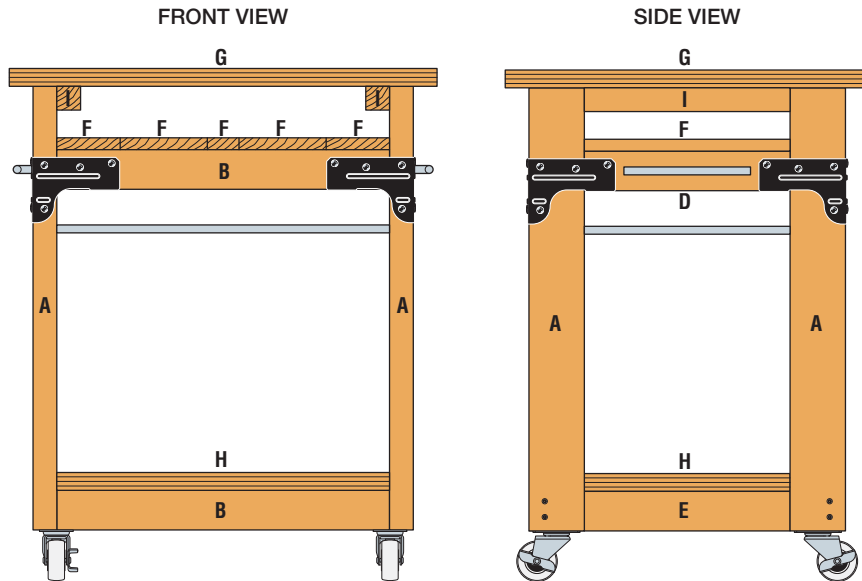
Attach upper front rail (B), upper back rail (C) and upper side rails (D) to RTC2Z connectors with SD8 wafer-head screws. Attach lower front rail (B), lower back rail (C) and lower side rails (E) to legs with (16) 2" Deck-Drive™ DSV Wood screws. After lower front and back rails are attached to lower side rails (E), install rolling casters to side rails, front and back rails and legs with 2" DSV screws. Use two screws per leg and one screw for the back rail and side rail.

### 5. ATTACH UPPER SHELF.

Assemble widths of 1x6 lumber pieces sufficient to form the 24" (wide) x 20" (long) upper shelf (F). Begin at ends, notching end pieces to fit around legs. Measure gap in middle of shelf, and cut center piece to fill it (see blow-up illustration at left). Hammer 2" finish nails through shelf pieces into supporting rails.

(Installation Instructions continued on p. 2)

## Mobile Kitchen Island



(Installation Instructions continued)

### 6. ATTACH TOP SHELF.

Attach the top shelf (G) by centering the shelf over the island to ensure overhang is equal on opposite sides. Slide 2x2 x 20" (I) top attachment to insides of leg and clamp to top. Repeat for the other side. Flip island over and screw wood to the top with 2" DSV screws.

### 7. ATTACH BOTTOM SHELF.

Clamp bottom shelf (H) to bottom rails. Turn island over and place A21 connectors midway along each bottom rail. For each connector, screw two 1" pan-head wood screws into rail and two more into bottom of shelf.

Note: installation is easier if wood staining and painting of RTC2Z is done before assembly.

### FOR THIS PROJECT YOU WILL NEED:

#### LUMBER

- (2) pieces 1x6 x 8'
- (2) pieces 2x3 x 8'
- (1) piece 2x4 x 10'
- (1) piece 2x2 x 4'
- (1) piece plywood 2'x 6' x 1 1/8" (thick)

#### SIMPSON STRONG-TIE®

##### CONNECTORS AND FASTENERS

- (4) Rigid Tie® RTC2Z connectors
- (1) box Simpson Strong-Tie® SD #8 x 1 1/4" wafer-head screws (for RTC2Z connectors)
- (4) Simpson Strong-Tie A21 connectors
- (1) 1 lb. box 2" Deck-Drive™ DSV Wood screws (DSVT2R1LB)

#### OTHER MATERIALS

- (2) 36" rolled steel tube 1/2" in diameter
- (4) 3" locking castor wheels
- (6) packs of 1/4" x 2" S hooks (two per pack)
- (1) bottle of cutting block oil
- (1) small box of 2" finish nails (to attach shelf pieces to rails)
- (1) small pack 1" pan-head wood screws (for A21 connectors)

#### CUT FROM 1x6 x 8'

- (5) 1x6 x 20" upper shelf (F) → (x1)

#### CUT FROM 2x2 x 4'

- (2) 2x2 x 20" top attachments (I) → (x1)

#### CUT FROM 2x3 x 8'

- (2) 2x3 x 21" front rails (B) → (x1)

#### (2) 2x3 x 21" back rails (C)

- (2) 2x3 x 17" lower side rails (E) → (x1)

#### (2) 2x3 x 13" upper side rails (D)

#### CUT FROM 2x4 x 10'

- (4) 2x4 x 28" legs (A) → (x1)

#### CUT FROM 2' x 6' x 1 1/8" PLYWOOD

- (1) 23 3/4" x 27" x 1 1/8" top shelf (G) → (x1)
- (1) 23 3/4" x 19 1/2" x 1 1/8" bottom shelf (H) → (x1)

The construction plan for this project is designed to be completed by people with basic carpentry skills in standard situations. If your situation is unique, talk to someone with detailed carpentry or construction experience before starting your project. Particular attention was paid to the steps and details in this plan, but they cannot be guaranteed to be error free. Simpson Strong-Tie shall not be responsible for any possible loss, damage or injury resulting directly or indirectly from the information contained here.