



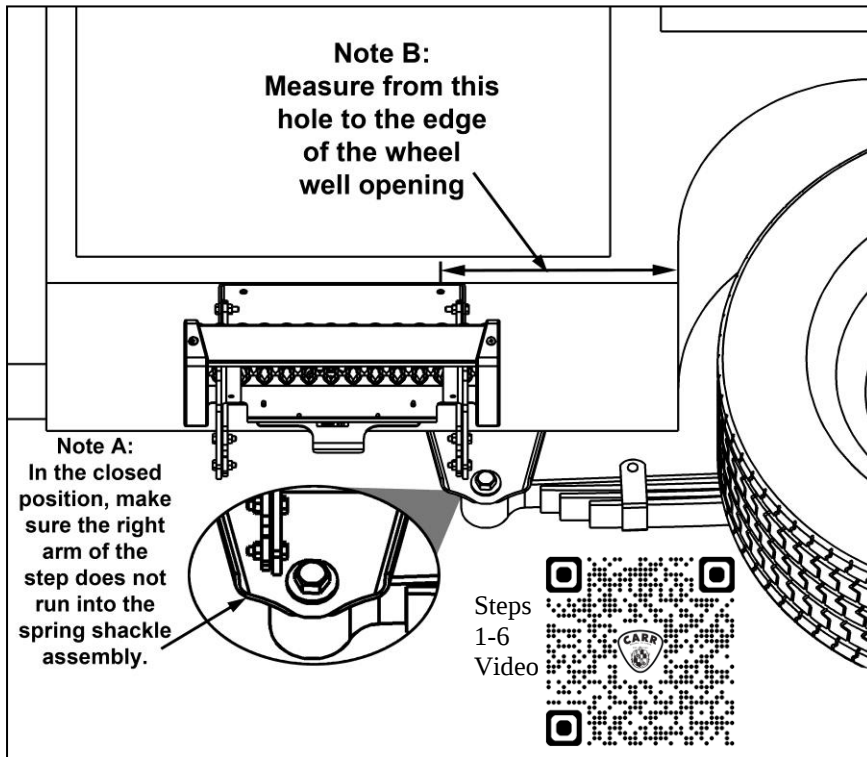
Swing Down Step Installation Instructions

Part No's: 504100 and 504107 for single and dual wheel cabinets
Two people required to install this step. Installation time 10 minutes.



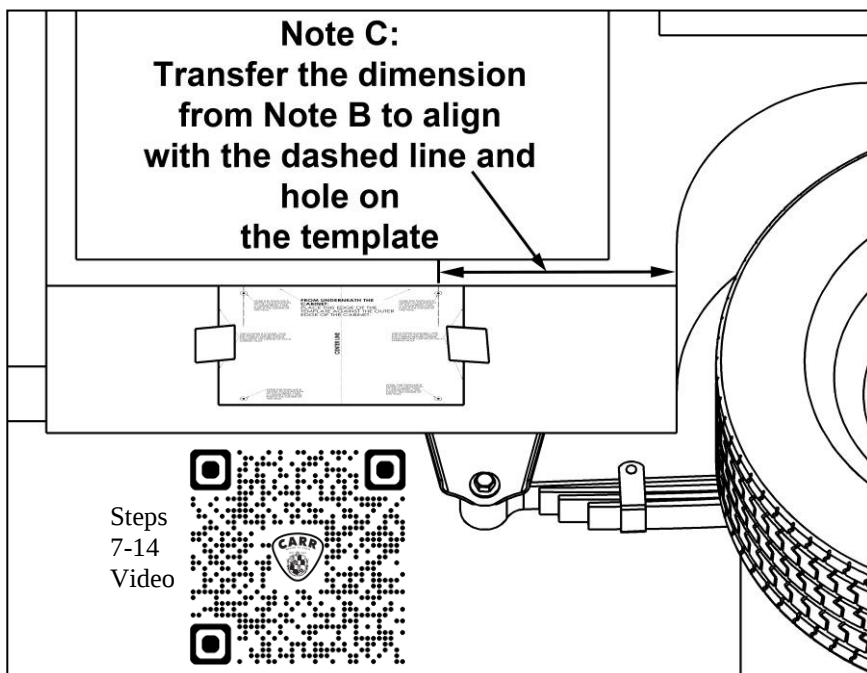
THIS INSTALLATION IS FROM THE DRIVERSIDE OF THE VEHICLE. REPEAT ALL FOR PASSENGER SIDE.
These next 25 steps are of installation for **single rear wheel cabinets**. The cabinets are typically 13" deep.

Diagram for **Single Wheel and Dual Wheel Cabinets Steps: 1 - 6**



- 1: Place the step in the closed position underneath the cabinet located behind the cab.
- 2: Align the step so that it is centered with the cabinet opening.
- 3: Ensure the front edge of the step base bracket is flush with the front edge of the cabinet.
- 4: **Important (Refer to Diagram Note A):** Verify that, in the closed position, the right arm of the step does not interfere with the spring shackle assembly. **Have a second person holding the step while checking for clearance.**
- 5: If interference occurs, adjust the step position as needed to ensure proper operation. ***This adjustment may require shifting the step slightly off-center either way.***
- 6: Once the step is properly positioned, measure the distance from the mounting hole to the edge of the wheel well opening. **Refer to Diagram Note B for guidance.** (Note): Interference with the spring shackle assembly is not an issue for: *Rear cabinet installations and dual wheel cabinet configurations.*

Diagram for **Single Wheel and Dual Wheel Cabinets Steps: 7 - 14**



- 7: Take the provided paper template and fold it along the indicated lines.
- 8: Using the measurement obtained from Diagram Note B in Step 6, transfer and mark a line on the bottom of the cabinet. **Refer to Note C.**
- 9: Position the template so that its front edge is flush with the front edge of the cabinet and aligning the dashed line and corresponding circle with the marked line referred to above.
- 10: While holding the template in place, secure it using two pieces of tape.
- 11: Using the four circles on the template as a guide, mark each hole location by center punching through the template into the metal surface.
- 12: For better visibility, circle each center-punched mark with a colored pencil.
- 13: Using a drill motor with a center drill bit or 1/8" drill bit, drill pilot holes at each marked location.
- 14: Enlarge each pilot hole using an 11/32-inch drill bit to complete the mounting holes.

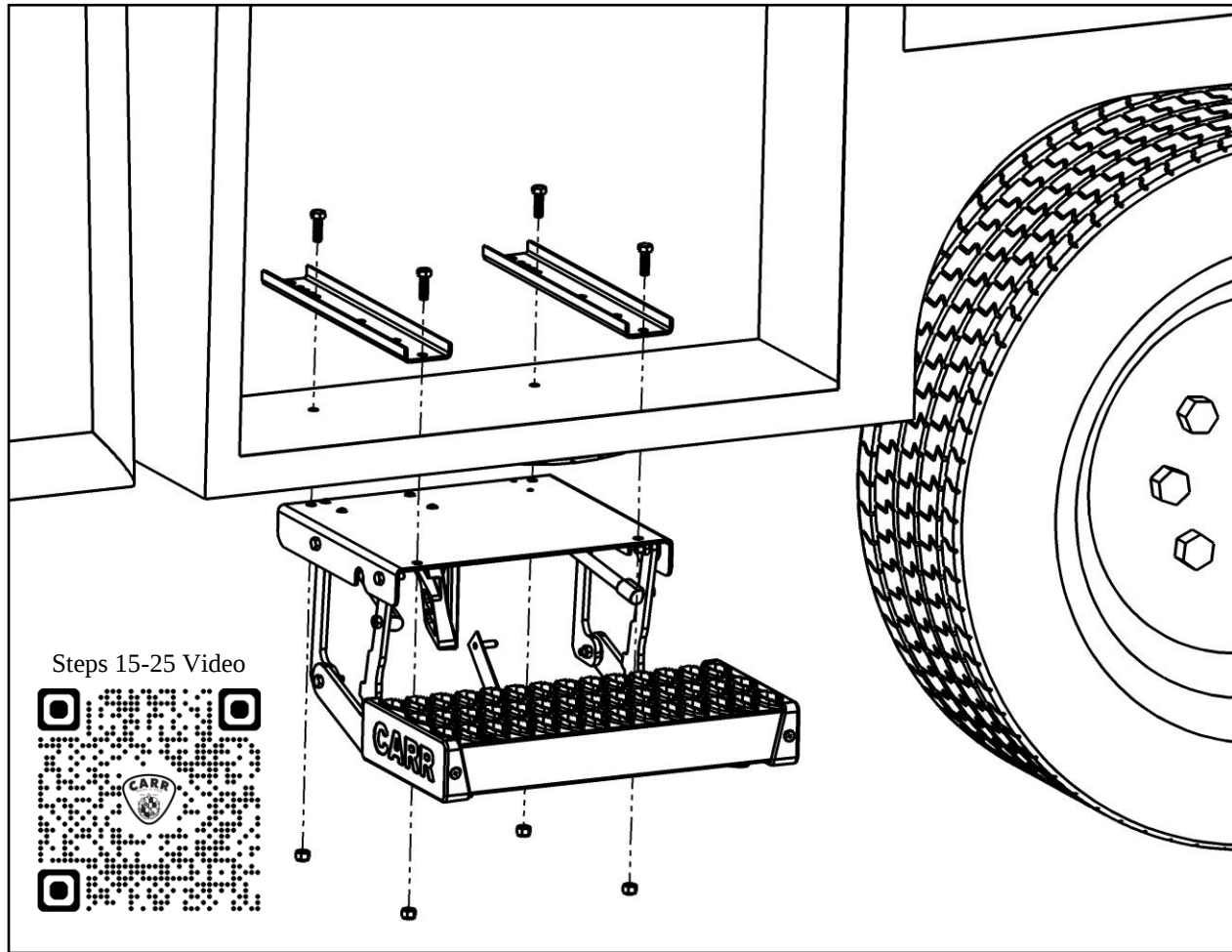


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Diagram for **Single Wheel** Cabinets: Steps: 15 - 25



15: Take the long support straps and cut the end with the series of four holes on each end of the support straps so that the support straps fit across the entire flat bottom area of the cabinet.

16: After cutting, spray paint the exposed ends of the support straps to prevent rusting.

17: Align the opposite ends of the support straps so that the four holes match the holes previously drilled into the bottom of the cabinet.

(Note): Two people are required for these next steps.

18: Position one person underneath the cabinet to hold the step in place and align the holes. Position the second person accessing from inside the cabinet to begin installation.

19: From inside the cabinet, insert one 5/16" bolt through one of the support straps and into a front mounting hole. The person underneath will thread on a 5/16" nylon lock nut and hand tighten.

20: From inside the cabinet, install a second 5/16" bolt diagonally across through the opposite support strap into a rear mounting hole. The person underneath will again hand tighten a 5/16" nylon lock nut. These two bolts will temporarily secure the step and prevent it from falling.

21: Install the remaining two 5/16" bolts through the remaining holes in the support straps and cabinet. Secure each with 5/16" nylon lock nuts.

22: The person underneath should hold each nut in place using a 1/2" wrench (open-end, box-end, socket, or power socket wrench).

23: The person inside the cabinet will use a second 1/2" wrench to fully tighten all four bolts. If using power tools, do not overtighten the hardware.

24. Repeat the above steps for the passenger side and the rear cabinets.

25. **IMPORTANT NOTE:** The steps mounted to the rear cabinets may have interference from the exhaust tailpipes.



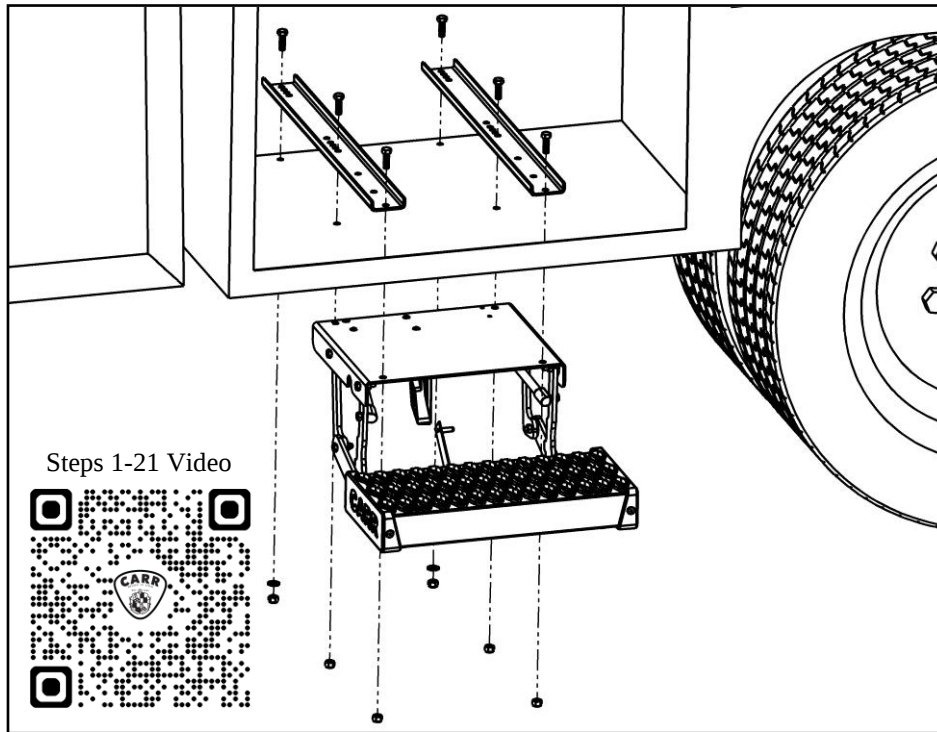
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THIS INSTALLATION IS FROM THE DRIVERSIDE OF THE VEHICLE. REPEAT ALL FOR PASSENGER SIDE.
These next 21 steps are of installation for **dual rear wheel cabinets**. The cabinets are typically 22 1/4" deep.

Diagram for **Dual Wheel** Cabinets: Steps 1 - 21



1: Follow Steps 1 through 14 from the single wheel cabinet installation instructions, **excluding** any references to the spring shackle assembly. **NOTE:** when installing on a dual wheel cabinet, the spring shackle assembly will not interfere and any instructions regarding that assembly can be disregarded.

2: Place the two long support straps inside the cabinet.

3: Orient each support strap so that the series of four holes at one end is positioned toward the back of the cabinet. **NOTE:** If the support straps are too long, they may need to be cut of fit. Spray paint cut ends.

4: Align the front holes of the support straps with the holes that were previously drilled in the cabinet.

5: Align the remaining two holes in the cabinet with the corresponding holes in the support straps.

6: Ensure all holes are properly lined up before proceeding.

7: Refer to the diagram for visual confirmation of proper alignment.

8: Prepare to secure the support straps in place.

Note: Two people are required for the following steps.

9: Position one person underneath the cabinet to hold the step in place and align the holes. Position the second person accessing from inside the cabinet to begin installation.

10: From inside the cabinet, insert one 5/16" bolt through one of the support straps and into a front mounting hole. The person underneath will thread on a 5/16" nylon lock nut and hand tighten.

11: From inside the cabinet, install a second 5/16" bolt diagonally across through the opposite support strap into a rear mounting hole. The person underneath will again hand tighten a 5/16" nylon lock nut. These two bolts will temporarily secure the step and prevent it from falling.

12: Install the remaining two 5/16" bolts through the remaining holes in the support straps and cabinet. Secure each with 5/16" nylon lock nuts.

13: The person underneath should hold each nut in place using a 1/2" wrench (open-end, box-end, socket, or power socket wrench).

14: The person inside the cabinet will use a second 1/2" wrench to fully tighten all four bolts. If using power tools, do not overtighten the hardware.

15: Using the back hole of each support strap as a guide, from inside the cabinet, drill a hole through the bottom of the cabinet with a 5/16" drill bit. Repeat this process for both support straps to ensure proper alignment and support.

16: Insert two additional 5/16" bolts through the support straps and down through the newly drilled holes in the cabinet.

17: From underneath the cabinet, place a flat washer onto each bolt.

18: Install two 5/16" nylon hex nuts onto the bolts and hand tighten them.

19: Using the same 1/2" wrenches, securely tighten these bolts to match the torque applied to the other 5/16" bolts.

20: Repeat these steps for the passenger side as well as the rear cabinets of the vehicle.

21. **IMPORTANT NOTE:** The steps mounted to the rear cabinets may have interference from the exhaust tailpipes.



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WARNINGS!

- ✓ FOR SAFE AND PROPER USAGE OF THIS PRODUCT, THE MOUNTING INSTRUCTIONS MUST BE FOLLOWED CAREFULLY AND COMPLETELY.
- ✓ The manufacturer and distributor of this product are in no way responsible for the consumer's failure to adhere to the warnings and directions of these instructions in the event of damage to the consumer's vehicle, other properties and or personal injury.
- ✓ **Steps that mount to the rear toolboxes on service trucks may have interference with exhaust tail pipes.**



Quality and Style that Endures

Follow the diagram and the written directions carefully for a proper, safe installation.

Should you encounter an unusual, unforeseen problem, contact our Technical Help Line

8:00 AM – 3:30 PM Pacific
Time

(800) 800-1084

Visit our web-site at

www.CARR.com
Warranty Information
on our website
Carr Pattern Co., Inc.

Vehicle Application:

All commercial, industrial, utility, fire prevention and service trucks that have toolboxes or a flat platform area that has access to both sides.

MATERIALS NEEDED:

- * Drill motor
- * Duct tape
- * Center drill or sharp 1/8" drill bit for all cabinets
- * 5/16" drill bit for dual wheel cabinets
- * 11/32" drill bit for all cabinets
- * Color Pencil
- * 2 – ½" wrenches or sockets
- * Possibly a metal cutting device (hacksaw, metal cut off saw, grinder, etc.)
- * Cutters to cut zip ties
- * Black primer paint (if support straps are cut)
- * Safety glasses

MATERIAL FURNISHED:

- * Step Assembly
- * 2 – Support Straps
- * Hardware installation pack
- * Instruction sheet
- * Hole Template

Installation time for one step assembly – 10 to 15 minutes (Two people required)

Step in Action
Video



Carr Catalog



Carr Pattern Co., Inc.
Warranty Policy

Finishes: Limited Lifetime

Structural Warranty: Limited Lifetime

Warranty Conditions:

- a. All warranties start from consumer's date of purchase.
- b. A new product will be sent out immediately to replace a warranty claim.
- c. The above guidelines apply only to the Original Purchaser.
- d. Original proof of purchase must be submitted for all warranty and returns issues.

Warranty Limitations:

- a. Warranty coverage extends ONLY to repair or replacement of the CARR product. This warranty does not cover the cost of labor, transportation, installation or removal of the product.
- b. Warranty coverage does not extend to damage caused by: collision, fire, theft, freezing, vandalism, riot, explosion or object striking the product, or misuse of the product and/or the vehicle on which the product is being installed.
- c. Warranty coverage does not extend to damage caused by: airborne fallout (chemicals, tree sap, etc.), stones, hail, earthquake, water or flood, windstorm, lightning, the application of chemicals or sealants subsequent to manufacture.
- d. Warranty coverage does not extend to damages caused by: normal wear and tear, abuse, modification or improper installation of the product.
- e. Warranty coverage does not extend to any economic loss or extra expense including (without limitation), payment for the loss of time or pay, inconvenience, storage, loss of vehicle use, vehicle rental expense, equipment rental expense, lodging, meals, or other travel costs.

Other Terms:

This warranty gives you specific legal rights and you may also have other rights that vary from state to state. CARR does not authorize any person to create for it any other obligation or liability in connection with its products. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE APPLICABLE TO THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WRITTEN WARRANTY. PERFORMANCE OF REPAIRS AND NEEDED ADJUSTMENTS IS THE EXCLUSIVE REMEDY UNDER THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY. CARR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM BREACH OF THIS WRITTEN WARRANTY.*

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Guarantee: Every attempt has been made to manufacture and distribute the finest quality products available. Our manufactured products are guaranteed to be free of defects due to workmanship or materials. Distributed products are subject to manufacturer's warranty only.