# CHE PERFORMANCE PRODUCTS INSTALLATION INSTRUCTIONS

## POWER WAGON DISC BRAKE CONVERSION

## 1946-1968 Dodge Power Wagon

**Kit Contents:**

| | |
|---|---|
| 2ea Hubs | 2ea Caliper Brackets |
| 2ea Wheel Spacers | 2ea ½ x 1 ½ Flat Socket Screws |
| 8ea ½ x 1 ½ Flange Bolts | 8ea 5/8 x 1 Socket Head Screws |
| Brake Rotors (Included w/Complete Kit) | Inner Wheel Seals (Included w/Complete Kit) |
| Brake Hoses (Included w/Complete Kit) | Brake Calipers (Included w/Complete Kit) |
| Brake Pads (Included w/Complete Kit) | Brake Line Adapters(Included w/Complete Kit) |
| Wheel Lugs (Optional) | Bearing Races (Optional) |

***WARNING!!: If you lack the necessary skill, tools, or equipment to safely complete this installation, have the component installed by a mechanic with the proper equipment and expertise.***

Thoroughly read and understand these installation instructions before beginning the installation. If there is any doubt regarding the procedure, please contact CHE Performance prior to attempting installation

***NOTE: Installation photos show knuckle removed from vehicle for clarity only. Removal of the knuckle is not required for installation. Photos show installation on front axle, rear axle is similar.***

### Step 1. Raise and Support the Vehicle

Raise and support the axle, place jack stands under the axle ensuring proper support.

### Step 2. Remove Stock Hubs

Remove the stock brake drums, hubs, and brake backing plates.

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## Step 3. Install Wheel Lugs







If you did not select the option of having refurbished wheel studs installed in your hubs, you will need to modify the new or used wheel lugs as follows:

A. Grind the head of the lug as shown in the photo .
B. If properly clearanced, the lug should be able to be installed through the hub. Further grinding will be required if the lug will not pass the rotor mounting ring.
C. Using a lug nut, pull the lug into the hub until it is fully seated.

## Step 4. Install Bearing Races



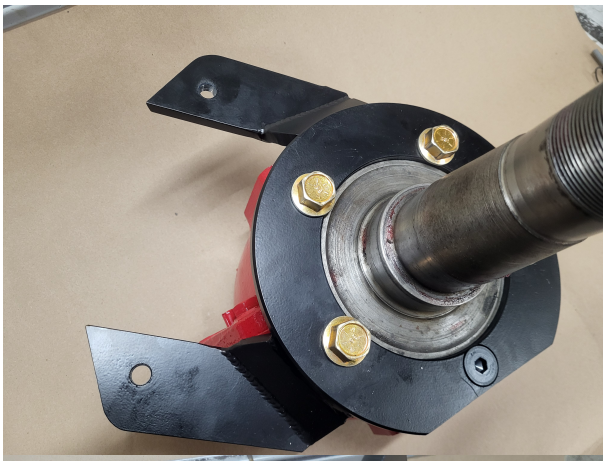
If you did not select the option of having bearing races installed in your hubs, you will need to install the races into your hubs now.

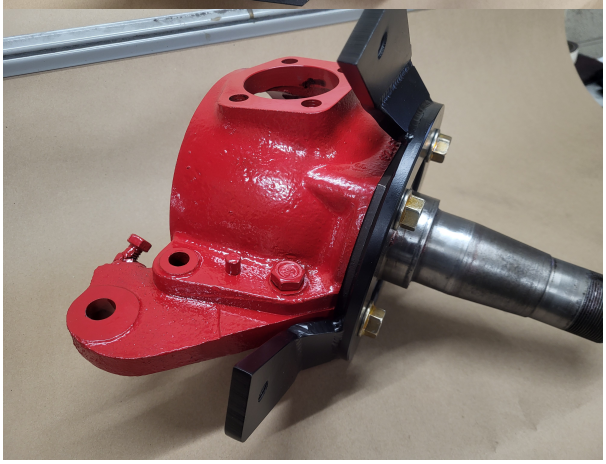
## Step 5. Prepare Hub For Install



A. Install the brake rotor onto the hub using the supplied 5/8x1” socket head screws using a ½” hex key or socket.
B. Torque the rotor fasteners to 85ft-lbs.
C. Pack and install the inner wheel bearing
D. Install the inner hub seal

## Step 6. Install Caliper Bracket

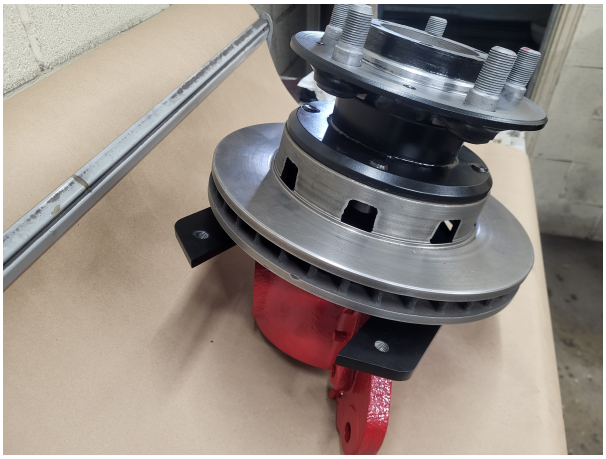




Passenger side front shown in photos.  Driver side, and rear axle mounting is similar.

A. Install the Caliper bracket to the knuckle.
B. The caliper ears should face up and toward the rear of the vehicle.
C. The flat head screw mounts in the bottom hole. Install 4 of the supplied ½ x 1 ½ flange head bolts in the remaining holes
D. Torque the fasteners to 85 ft-lbs.

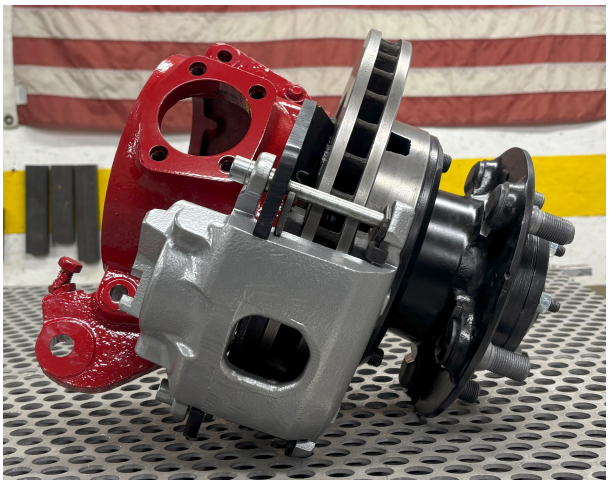
## Step 7. Install Hub



Pack the outer bearings and install the hub onto the spindle using the stock retaining hardware and method.
Ensure that wheel lug thread direction is appropriate for the side of the vehicle that it is being installed on.

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## Step 8. Install Caliper and Pads



Install the calipers and pads using the supplied slider bolts, ensuring that the brake bleeder is facing upwards.
It may be necessary to temporarily remove the tie rod nut to gain clearance for the lower slider bolt.

## Step 9. Complete Installation

Install the drive flanges and seals.  You will need to re-use your drive flange studs.
Install the brake hoses, and brake line adapters as needed to complete the plumbing.
Repeat installation procedure for other side of vehicle.
Bleed the brakes after both sides are complete.
The supplied wheel spacer will fit over the lugs and take up the thickness that the stock brake drum occupied.
Install the wheels; ensure that there is no interference with any components.

## Step 10. Inspect Installation

Fully inspect the installation ensuring that the suspension is free to travel, brake line will not become pinched, and that all fasteners have been properly installed and torqued.

## Step 11. Lower vehicle

Lower the vehicle and perform a road test.

## Questions, Comments, Suggestions?

If you have any questions, comments, or suggestions regarding these instructions or product, please do not hesitate to contact us immediately. Thank you, and enjoy your new CHE Performance Product.

## Technical Support/Contact Information

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