

## #CP2105 & #CP2105-5 - Installation Instructions for Ford Passenger Car 9" Rear Disc Brake Kit

### Parts List:

|      |  |      |                          |
|------|--|------|--------------------------|
| 1 ea | #2105 (3/8" flange bolt) or<br>#2105-5 (1/2" flange bolt)<br>bracket kit | 2 ea | rubber brake hoses       |
| 2 ea | 11" Rotor  | 2 ea | banjo bolts              |
| 1 ea | left hand loaded caliper   | 4 ea | crush washers            |
| 1 ea | right hand loaded caliper  | 1 ea | Brake Hose Hold Down Kit |
|      |  | 1 pr | E-brake cable extenders  |

### Instructions:

1. If the axle has any drum brake parts attached they will need to be removed before beginning this installation.
2. Install the bearing spacer. The bearing spacer is 1/8" thick. It takes up the space of the original drum backing plate. The new caliper bracket will act as the bearing retainer. If the bearing sticks out too far the bracket will bend as it is tightened and cause the caliper to be out of alignment with the rotor. The axle bearing should stick out 1/8" past the face of the axle housing. Most aftermarket axles do not stick out 1/8". If the bearing does not stick out 1/8" you will need to use the appropriate combination of shims so that axle bearing is flush with the shims.

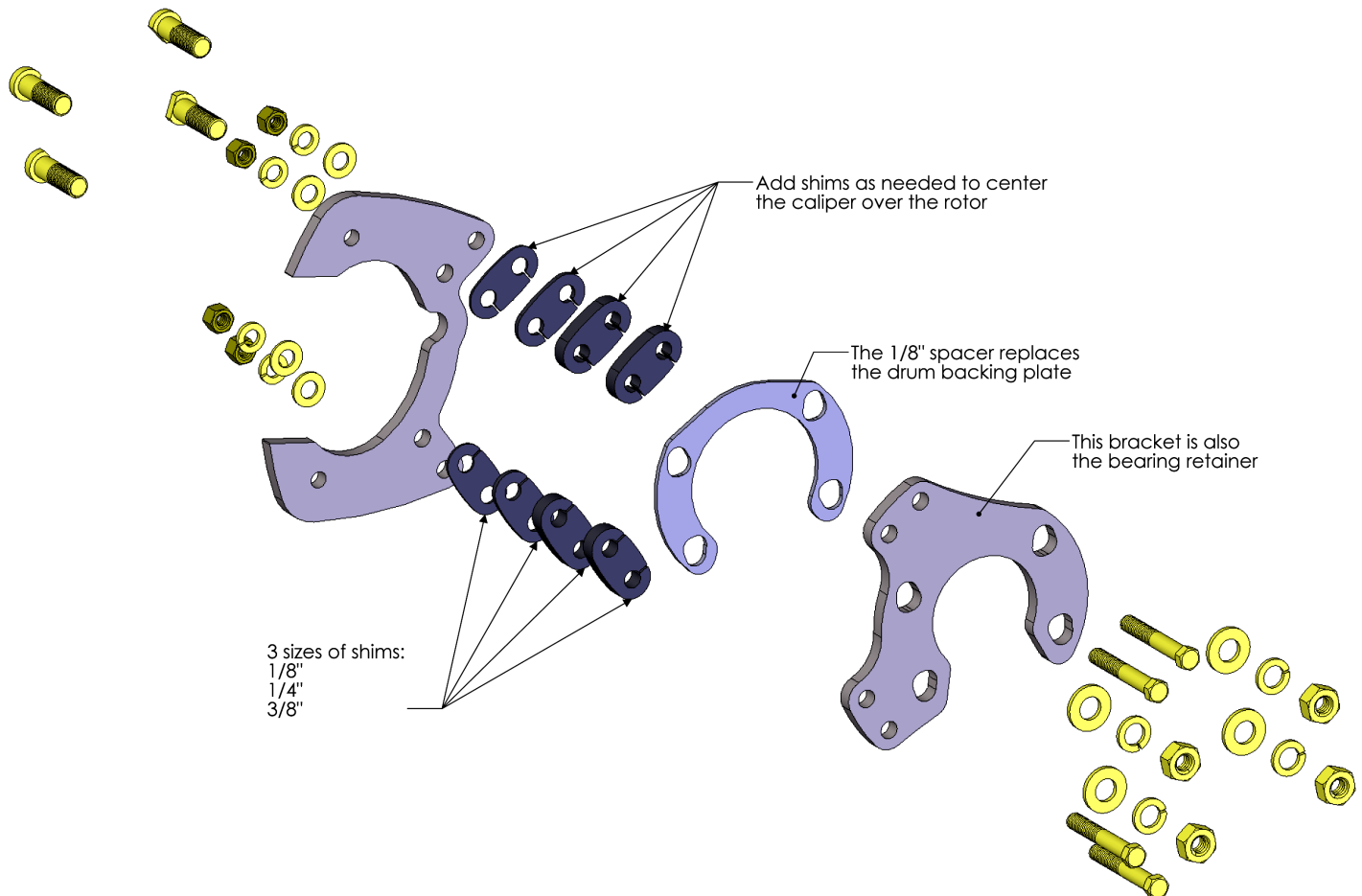
### Notes:

CPP recommends using 1980-1985 Cadillac Seville Rear Calipers w/ Parking Brake (#CP4138/39) with this bracket kit.

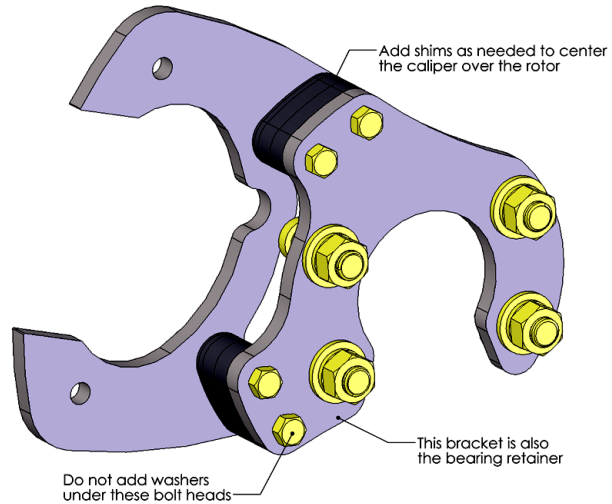
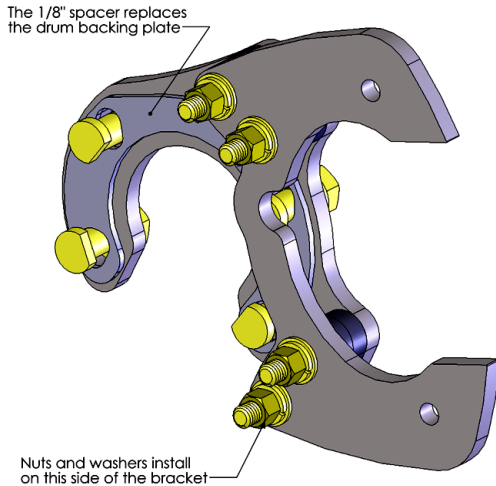
This bracket kit will also work with 1978-1983 Chevelle, Monte Carlo, Malibu, etc. front calipers (#CP4125/26).

When using aftermarket axles, we recommend using our shim kits (for 3/8 flange bolts - #10271-KIT or for 1/2" flange bolts - #10423-KIT).

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## #CP2105 & #CP2105-5 - Instructions (Continued)

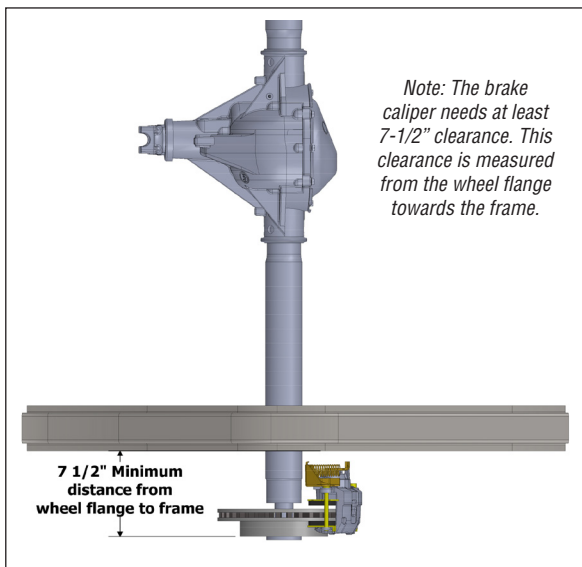


- Using the T-bolts, attach the bearing retainer bracket to the axle. Some axles may already have a bearing retainer. You can discard the bearing retainer, or install the retainer over the bearing retainer bracket.
- Bolt the caliper bracket to the bearing retainer bracket using all of shims between the brackets. There should be 2 of the 3/8" shims and 1 of each the 1/4" shims and 1/8" shims at each mounting point between the brackets. The caliper bracket mounting bolts should be installed thru the bearing retainer bracket fist, with no washers, then the shims, followed by the caliper bracket, washers and nuts.
- Install the rotor over the axle.
- Install the calipers over the rotors, and onto the caliper mounting brackets. The bleed screws must be towards the top of the caliper.

Check that the rotor is tight to the axle and sitting flat against the axle flange. If the rotor is not tight and flat to the axle the bracket location will need to be adjusted with the shims. Remove the calipers and rotors, remove shims as needed until the caliper is aligned with the rotor and bracket while the rotor is flat and tight to the axle.

- After adjusting the bracket location with the shims tighten all of the caliper mounting bolts to 47lb ft.
- Install the rotors onto the axles.
- Install the calipers to the brackets with the bleed screws toward the top of the caliper.

**PLEASE NOTE:** The installer needs to make sure that nothing can make contact with a brake hose, caliper, or other brake component at any point through the entire range of steering and suspension movement. The installer also needs make sure none of the steering or braking components can become bound or jammed at any time through the range of suspension or steering movement.



| GENERAL TORQUE SPECIFICATIONS: |         |          |       |         |          |
|--------------------------------|---------|----------|-------|---------|----------|
| 1/4"                           | grade 5 | 10lb/ft  | 1/4"  | grade 8 | 14lb/ft  |
| 5/16"                          | grade 5 | 19lb/ft  | 5/16" | grade 8 | 29lb/ft  |
| 3/8"                           | grade 5 | 33lb/ft  | 3/8"  | grade 8 | 47lb/ft  |
| 7/16"                          | grade 5 | 54lb/ft  | 7/16" | grade 8 | 78lb/ft  |
| 1/2"                           | grade 5 | 78lb/ft  | 1/2"  | grade 8 | 119lb/ft |
| 9/16"                          | grade 5 | 114lb/ft | 9/16" | grade 8 | 169lb/ft |
| 5/8"                           | grade 5 | 154lb/ft | 5/8"  | grade 8 | 230lb/ft |

**NOTE:** With 18" and larger wheels we recommend 1/2" wheel studs. The larger the wheel diameter, the greater the force is on the wheel studs. Please inquire about replacement wheel stud kits available from CPP.

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