



Part # 11529595 - C2/C3 OEM Disc Brake Retention Kit

Recommended Tools



C2/C3 OEM Disc Brake Retention Kit Installation Instructions

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THIS KIT IS DESIGNED TO RETAIN THE ORIGINAL 1965-1982 CALIPER & ROTOR WHEN USING THE RIDETECH TRUTURN SYSTEM FOR THE C2/C3 CORVETTE.





Major ComponentsIn the box

Item #	Part #	Description	QTY
1	90003097	Steering Stop - Passenger	1
2	90003098	Front Brake Bracket - Passenger	1
3	90003099	Steering Stop - Driver	1
4	90003100	Front Brake Bracket - Driver	1
5	90003122	Bearing Hub Assembly - includes bearings, seals, & dust cap	1

Hardware ListIn the box (Kit# 99010100)

QTY	Part Number	Description
CALIPER TO BRACKET		
4	99431006	7/16"-20 x 1 1/4" Hex Bolt
4	99433003	7/16" Split Lock Washer
BRACKET & STEERING STOP TO SPINDLE		
2	99501026	1/2"-13 x 2 1/4" Hex Bolt
4	99503014	1/2" SAE Flat Washer
2	99502009	1/2"-13 Nylok Nut
1	90002263	Red Loctite

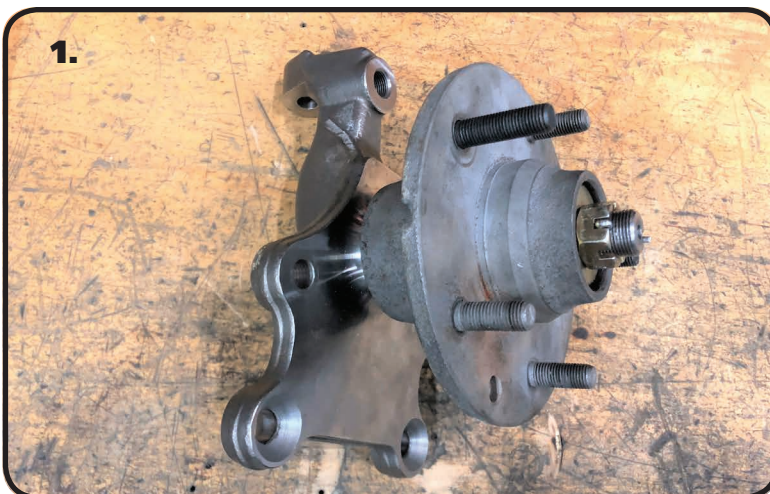
QTY	Part Number	Description
STEERING ARM TO SPINDLE		
2	99501054	1/2"-20 x 2 1/2" Flat Head

THIS KIT WILL UTILIZE SOME OF THE HARDWARE THAT IS INCLUDED WITH THE SPINDLE.

Getting Started.....

Allows for the retention of the factory brake system when paired with Ridetech tall spindles.

IF YOU SPINDLE HAS THE STEERING ARM INSTALLED, IT WILL NEED TO BE REMOVED TO INSTALL THE BRAKE ADAPTER KIT.



1. Start by greasing the wheel bearings and installing the hubs on the spindle using the nut, washer, and cotter pin supplied with the kit.



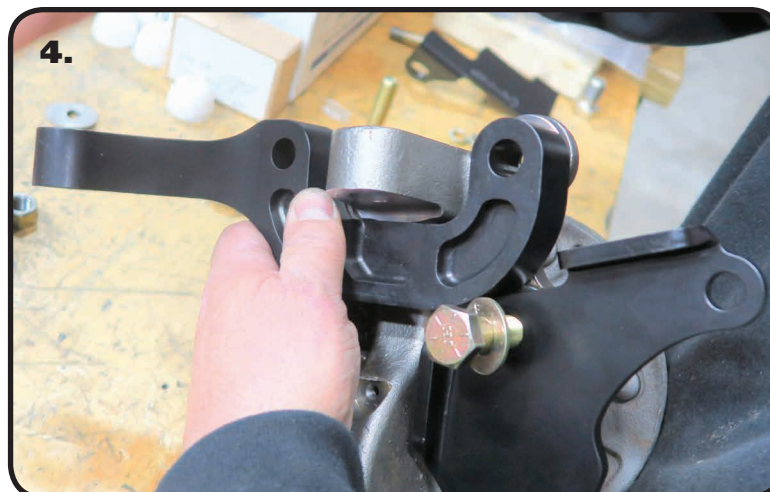
Attaching the Caliper Bracket



2. Apply Red Loctite to the 5/8"-18 x 1" bolt supplied with the spindle. Using **Image 2** as a reference, line up the 5/8" hole of the bracket with the threaded hole near the top of the spindle. Insert the 5/8" bolt through the hole in the bracket and thread it into the spindle. Pictured is the passenger assembly, it positions the caliper on the front side of the spindle



3. Install a 1/2" flat washer on 1/2"-13 x 2 1/4" hex bolt and insert it through the bracket and spindle. This will help hold the bracket in position while tightening the 5/8" bolt. The welded on bung of the bracket should sit against the back side of the spindle. Torque the 5/8" bolt to 130 ftlbs.



4. Align the Steering Arm mounting holes with the 2 bottom holes of the spindle. The steering arm will be pointing the opposite direction of the caliper bracket. Again, this is the passenger side with the steering arm going to the rear of the car.



Attaching Steering Stop & Steering Arm



5. Insert (1) 1/2"-13 x 2 1/2" flat head socket cap screws through the spindle and steering arm. Install a 1/2"-20 nylok nut on the bolt closes to the end that attaches the tie rod.



6. Slide the Steering Stop in place. The top tap goes on the wheel side of the spindle, opposite of the caliper bracket. The bottom tab is positioned over the steering arm hole.



7. Align the steering arm and steering stop with the hole in the spindle.



Attaching Steering Stop & Steering Arm

8.



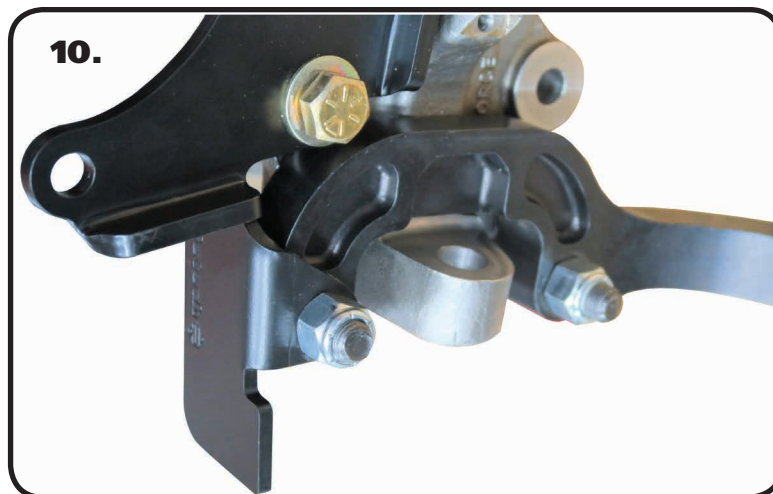
8. Insert a 2nd 1/2"-20 x 2 1/2" flat head socket cap screw through the spindle, steering arm, and steering stop. Install a 1/2"-20 nylok nut.

9.



9. Push the 1/2"-20 x 2 1/4" bolt through the tab of the steering stop. Install a 1/2" flat washer, & 1/2"-20 nylok nut. Torque the 1/2" hardware to 90 ftlbs.

10.



10. Image 10 illustrates what the back of the passenger spindle should look like at this point.



Installing Rotor

11.



11. Image 11 illustrates the passenger spindle as viewed from the front.

12.



12. Install the OEM rotor onto the hub.

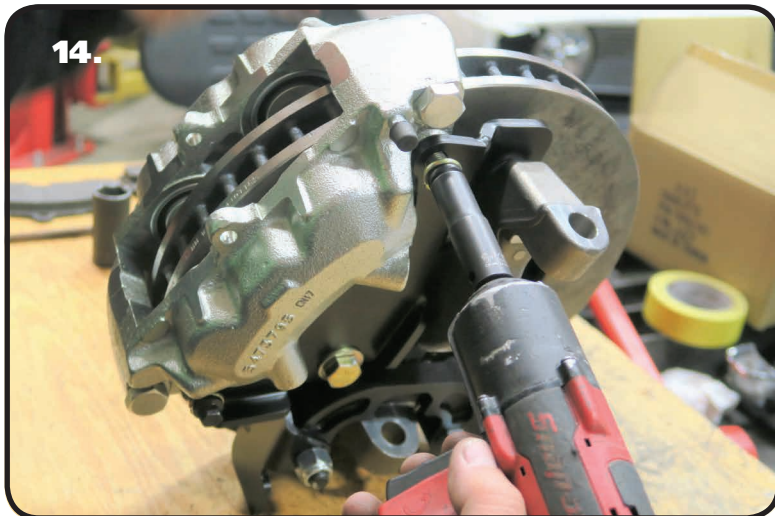
13.



13. To help ease caliper installation, thread a lug nut onto a stud to hold the rotor in place.



Attaching Caliper



14. Install the caliper in place, making sure you have the correct caliper on the correct side. The bleeder should be to the top of the caliper. Install a 7/16" split lock washer on each of (2) 7/16"-20 x 1 1/4" bolts. Line up the threaded holes in the caliper with the mounting holes in the caliper bracket. Insert the 7/16" bolts through the caliper bracket, threading them into the caliper. Torque bolts to 70 ftlbs.

14. Repeat the previous steps on the other side.

15. Install the brake pads.