

# Strange

Page 1 of 2

Jan 20, 2026

## HEAVY DUTY 4-PISTON FRONT BRAKE KIT INSTRUCTIONS

**KIT #**  
B4131WC

**APPLICATIONS**  
'65 - '79 F100 & F150  
with factory disc brake spindles

### Before you begin installation:

- Strange Engineering brake kits are designed for DRAG RACING ONLY!
- This kit moves the wheel mounting surface outboard by 0.550". Verify wheel fitment before installing.
- Read these instructions thoroughly and save for future reference.
- Brake fittings do not come pre-installed, it will need a layer of Teflon sealer applied to the thread (Figure# 2 for torque specs)
- If after reading these installation instructions, you have any questions or comments, please do not hesitate to call us.

KIT CONTENTS			
ITEM#	PART#	QTY	DESCRIPTION
1a	B2795	1	Right hand rotor
1b	B2796	1	Left hand rotor
2	B4154E	2	Hub cap
3	S3520F	2	O-ring
4	B1330C	2	Outer bearing cup (LM12710)
5	B1330D	2	Outer bearing cone (LM12749)
6	B4158FF100	2	"CB" Front hub
7	A1028B	10	1/2" Stripper washer
8	A1028A	10	1/2-20 x 2-1/2" Taper head SHCS
9	B1330B	2	Inner bearing cone (L68149)
10	B1330A	2	Inner bearing cup (L68110)
11	B1729A	2	Wheel Seal (C/R19748)
12	B1757B	2	3/8-16 x 1-1/4" HHCS
13	B1320R	2	3/8-16 x 1-1/2" HHCS
14	S3402N	4	3/8 AN washer
15	B4131A	2	Caliper bracket
16	B1301E	4	Press nut
17	B4131C	2	Lower Caliper mount Spacer
18	B4131B	2	Upper Caliper mount Spacer
19	B1301H	16	Shim
20a	B5002	1	Right hand Caliper
20b	B5004	1	Left hand Caliper
21	B5010	4	Semi-metallic Strange 4-Piston caliper pad
22	P2316	2	-1/8NPT x #3AN fitting
23	B1301J	4	Washer
24	B5000Y	4	3/8-24 x 1.125 HHCS
-	P2316C	2	Plastic cap for #3AN fitting

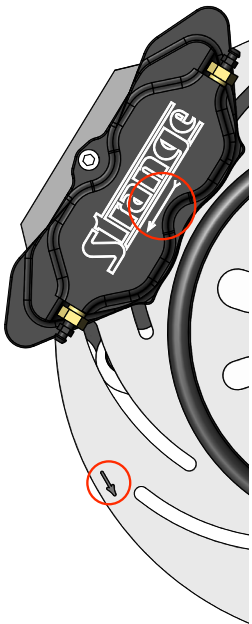
WARNING - RACING IS HAZARDOUS - STRANGE BRAKES ARE FOR LEGAL DRAG RACING ONLY

Disclaimer of Warranty - Purchasers using Strange Engineering racing components and equipment any and all inventory services, purchasers acknowledge that due to differing conditions and circumstances under which all equipment and parts are installed and used, purchasers are not relying on Strange Engineering Co. skill or judgment to select or furnish the proper part or equipment. Purchasers expressly affirm they are relying upon their own skill or judgment to select and purchase suitable goods. Strange Engineering Co. makes no warranties whatsoever, expressed or implied, oral or written, to purchasers. There is no warranty of merchantability made to purchasers.

Strange Engineering Co., further excludes any implied warranty of fitness with respect to racing and equipment, any and all inventory and service.

## Installation instructions

Figure # 1



1. Raise and support front of vehicle on a level surface using suitable equipment.
2. Remove wheel, and stock disk brake components. Inspect all bushings for excessive play and replace as needed.
3. Install 1/2" Dia. wheel studs (8) in front hub (6) using 1/2" I.D. wheel stud washer (7) and a small amount of BLUE Loc-tite®. Torque all studs to 65 ft-lbs.
4. Modify knuckle using Figure #3 as reference.  
Place the two provided spacers, upper (18) and lower (17) on the knuckle. Securing the caliper mounting bracket (15) using the two 3/8"-16 bolts (12,13) and washers (14). (Refer to Figure #2 to ensure correct placement)
5. Pack the inboard (10) and outboard bearing cone (4) with a suitable wheel bearing grease.  
Note: A bearing packer is recommended for this procedure; If one is not available work as much grease as possible into the cage and around the rollers.
6. Wipe a thin layer of wheel bearing grease on the bearing surface of the inner and outer cups (5,9) and then place inner bearing cone (10) into the front hub (6).
7. Press the hub seal (11) into the inboard side of the hub (6) flush to the outer face of the hub.
8. Slide the hub assembly onto the spindle, then slide the outer bearing cone (4) into the hub.
9. Install the stock key washer and the spindle castle nut.
10. Mount the wheel and tire assembly on the hub and snug the lug nuts.
11. While rotating the wheel, torque the spindle nut to approximately 20 ft-lbs.
12. Loosen the spindle nut until the wheel spins freely and there is no end play.
13. Install the cotter pin, aluminum hub cap (2), and remove the wheel and tire.
14. Slide the rotor (1) over the wheel studs flush to the face of the hub (6).

Note: Slotted rotors mount with the arrow pointing in the direction of normal rotation (See Figure #1).

- Please read B1850 instructions for complete caliper instructions.

15. Attach caliper (20) with the arrow facing in the direction of normal rotor rotation using 3/8"-24 caliper bolts (24) with red loctite and 3/8" I.D. washers (23). Use 3/8" I.D. caliper shims (19) to center the caliper over the rotor, making sure pads contact the rotor evenly. Torque the caliper mounting bolts (24) to 35 ft-lbs.
16. Connect the hydraulic lines to the calipers. Calipers are tapped to 1/8"-27 NPT and supplied with -3AN fittings. Use proper adapters to connect them to existing lines or use new -3AN braided steel line (teflon lined). Bleed the calipers with DOT 4 or DOT 5.1 brake fluid ONLY. Mount the tire and wheel.

**Notes:** A proper break in procedure is required to avoid brake fade and uneven rotor deposits from the pads. It consists of 8-10 brake applications increasing in harshness while allowing the brakes to cool slightly in between; do not keep the brakes applied between stops. After the last stop the brakes should be allowed to cool completely. Operate the vehicle in a cautious manner until you determine that the brakes are functioning properly. Routinely check and re-torque all bolts.

FIGURE # 2: Exploded B4131WC Assembly View (Passanger side shown)

FIGURE # 3: Knuckle modification

Item#	Torque spec (ft-lbs)
8	65
12/13	35
22	25
24*	35

\*Must apply red loctite

Not included

Drill & tap  
3/8-16