

Strange

PRO SERIES 4-PISTON REAR BRAKE KIT INSTRUCTIONS

KIT #
B1720WC

APPLICATIONS
1993-1998 Toyota Supra

Before you begin installation:

- Consult Directional Caliper Kit installation instructions to mount the brake caliper.
- Consult pg. 112 of Strange Engineering catalog for available brake lines.
- Inspect upper and lower ball joints for excessive play and replace as needed.
- Consult factory service manual to remove and disassemble axle carrier and axle hub.
- Brake rotors are shipped with an oil film on the surface to prevent rust and must be cleaned before installation.
- Clean and inspect hub for damage (spun wheel bearings, stripped threads, etc.) and repair or replace as needed.
- Read these instructions thoroughly and save for future reference. If after reading these installation instructions, you have any questions or comments, please do not hesitate to call us.

Important Notes

- Strange Engineering brake kits are designed for drag racing only
- B5010 Semi-metallic brake pad minimal thickness is 0.200"
- B2793/B2792 Steel brake rotor minimal thickness is 0.312"
- Calipers are tapped to 1/8"-27 NPT and supplied with -3AN fittings
- B1720WC Pro Race Steel Brake Kit eliminates emergency brake

KIT CONTENTS

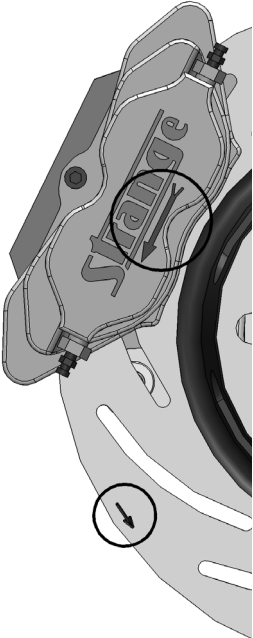
ITEM#	PART#	QTY	DESCRIPTION
1	B2792	1	HD/MD Right hand rear rotor
2	B2793	1	HD/MD Left hand rear rotor
3	H1135B	8	Big Ford Housing End Stud
4	B1301E	4*	3/8"-24 Press nut (Installed in B1708A)
5	B1708A	2	Big Ford caliper mount (For B1708WC, B1708WCM kits)
-	B1708AA	2	Big Ford Dual caliper mount (For B1708WCD kit)
6	H1135C	8	1/2"-20 Flexlok Nut
7	B1301H	16*	0.025" Thick caliper shim
8	B1301J	4*	1/16" Thick caliper washer
9	B5000Y	4*	3/8"-24 x 1-1/8" Caliper bolt
10a	B5010	4	Soft metallic 4-piston brake pad (B1708WC)
10b	B5020	4*	Hard metallic 4-piston brake pad (B1708WCM, B1708WCD)
11	B5002	1*	Right hand 4-piston caliper
12	B5004	1*	Left hand 4-piston caliper
13	P2316	2*	1/8" NPT x -3AN Fitting (Installed in B5002 & B5004)
14	A1026B	8	1/2" Flat Washer

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

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Installation instructions

Figure # 2



1. Slide the caliper mount bolt (3) through the mounting hole of the caliper mount (4).
2. Slide the caliper mount spacer (6) through the caliper mount bolt (3) to sit flush between the caliper mount (4) and surface of Toyota caliper ear.
3. Secure caliper mount (4) to the axle carrier body using the lock nut (7) and two original 8mm backing plate bolts. Torque the caliper mount bolt (3) to 50 ft-lbs. Torque the two original backing plate bolts to 19 ft-lbs.
 - Note: Remove any rust on mounting surfaces of Toyota caliper ear using wire brush or similar tools.
4. Refer to factory service manual to reassemble axle hub and axle carrier onto vehicle.
5. Slide the rotor centering spacer (2) over the hub center. Ensure chamfer faces inboard.
 - Note: Remove any rust on mounting surfaces of Toyota hub. Lug nuts can be installed to avoid damaging wheel stud threads while cleaning mounting surface.
6. Slide the rotor (1) over the wheel studs flush to the face of the hub.
 - Note: Slotted rotors mount with the arrow pointing in the direction of normal rotation. (See Figure # 1)
7. Attach the caliper (9) to the caliper mounting bracket (4) using the two caliper bolts (12) with red loctite, flat washers (11) and shims (8). Torque caliper bolts (12) to 35 ft-lbs. (See Figure # 3)
 - Notes: The arrow on the caliper must face the normal rotation of the rotor/wheel. (See Figure # 1)
 - The number of shims (8) installed will vary because not all axle carriers are exactly identical. Therefore, determine the proper amount of shims by positioning the caliper as closely as possible to the center of the rotor. Also, the passenger and driver side do not necessarily use the same amount of shims.
8. 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 or use new -3AN braided steel line (teflon lined). Bleed the calipers with DOT 4 or DOT 5.1 brake fluid ONLY .

9. 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.

FIGURE # 1: Exploded B1708WC Assembly View

