CARBON FOUR PISTON FRONT BRAKE KIT INSTRUCTIONS

KIT #
C4700WC - Carbon single piston front brake kit

APPLICATIONS
Strange Ultra Strut
- Weld® 15" x 3.5" hub mount wheels with 2.25" backspace & 4 1/2" B.C.

Before you begin installation:
-Strange Engineering brake kits are designed for DRAG RACING ONLY!
-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.

C4700WC Kit Contents

ITEM#	PART#	QTY	DESCRIPTION
1	B4154EB	2	Hub cap
2	S3520F	2	#222 Buna O-ring
3	C4700E	10	3/8-24 12-point nut
4	C4700C	10	Wheel bushing
5	C4700A	2	11" Rotor adapter - Front hub
6	C1790	2	11" Carbon Rotor
7	C1700I	2	Retainer ring
8	C1700D	20	1/4-20 x 1/2" FHSCS
9	C4700B	10	Wheel stud
10	S3600T	4	3/8-24 x 1" NAS bolt
11a	C4700DR	1	Caliper mount
11b	C4700DL	1	Caliper mount
12	B1301E	4	Press nut
13	B5070-150	2	Carbon caliper
14	L4050H	4	Carbon pad
15	B5000Z	4	3/8-24 x 1-3/16 bolt
16	S3402N	4	3/8 AN washer
17	F1282	4	3/8-24 Jet nut

B4600BK1 Bearing Kit Contents

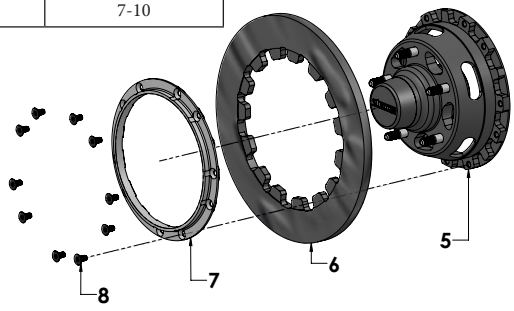
ITEM#	PART#	QTY	DESCRIPTION
-	B4600J	2	Cup A6162
-	B4600I	2	Cone A6075
-	B4600G	2	SKF Seal 16054
-	B4600F	2	Cup #L44649
-	B4600E	2	Cone #L44163

Installation instructions

1. Rotors come preassembled from Strange Engineering, however, if rotor disassembly is ever required, unscrew the eight flat head socket cap screws (8) and separate the rotor (6) from the rotor retaining ring (7) and rotor hub (5).
2. Reassemble rotor vise-versa and torque the eight flathead sock cap screws (8) to 35-40 in-lbs (Figure #2). Re-torque before every event.
3. Attach the caliper mounting bracket (11, 12) to the strut body using 3/8"-24 bolts (10), 3/8" washer (16) and jet nut (17). Torque to 35 ft-lbs.
4. Pack the inboard and outboard bearing cone 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.
5. Wipe a thin layer of wheel bearing grease on the bearing surface of the inner and outer cups and slide the inboard bearing cone into hub.
6. Press the hub seal into the inboard side of the hub (5) flush to the outside.
7. Slide the hub assembly onto the spindle then slide the outer bearing cone into the hub (5).
8. Install the stock spindle washer and nut.
   While rotating the wheel, torque the spindle nut to approximately 20 ft-lbs.
9. Loosen the spindle nut until the wheel spins freely and there is no end play.
10. Install the cotter pin, aluminum hub cap (22), and remove the wheel and tire.
11. Slide the Wheel bushings (4) into the wheel and then place it onto the
12. Mount the wheel and tire assembly on the hub and snug the lug nuts.
13. Install the 3/8" caliper bolts (2), making sure to use a washer (5) under the heads of the bolts. Torque 3/8" bolts to 30 ft-lbs.

FIGURE # 2: Exploded Carbon rotor assembly

Item#	Torque spec (ft-lbs)
8	7-10



14. 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 lines). Bleed calipers with DOT 4 or DOT 5.1 brake fluid ONLY.
15. 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.
    Note: After the initial installation of this kit, ensure that there is adequate clearance between all braking and chassis components by turning the wheels all the way left to right and moving them all the way up and down throughout the length of the wheel (suspension) travel. Additionally, make sure that the brake lines are not interfering with the wheel travel, or subject to binding or kinking. Operate the vehicle in a cautious manner until you determine that the brakes are functioning properly. Routinely check and re-torque all bolts.

FIGURE # 1: Exploded C4700WC Assembly View

Item#	Torque spec (ft-lbs)
3	35
15	35
17	30