

# Strange



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EVOLUTION

Oct 5, 2023

## EVOLUTION 4-PISTON FRONT BRAKE KIT INSTRUCTIONS

**KIT #**  
B4153WCE - 4-1/2" B.C  
B4154WCE - 4-3/4" B.C

**APPLICATIONS**  
1987-present Strange Forged  
Aluminum Struts

### Evolution Rotors

- Dynamic Drive Mount (DDM) system secures the rotor and allows for rotor thermal expansion
- DDM system design is secured by an internal Spirolox, eliminating heavy bolts and hardware
- Unique Aero Slot design reduces rotating weight and promotes even heat dissipation

#### Important Notes

- Evolution S Rotors have 0.312" minimal thickness
- B5010 brake pads have 0.200" minimal thickness
- Strange Engineering brake kits are designed for drag racing only
- Also consult installation instructions for B1900 Strange Billet Caliper kit

#### Before you begin installation

Brake rotors are shipped with an oil film on surface to prevent rust and must be cleaned before installation.  
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.

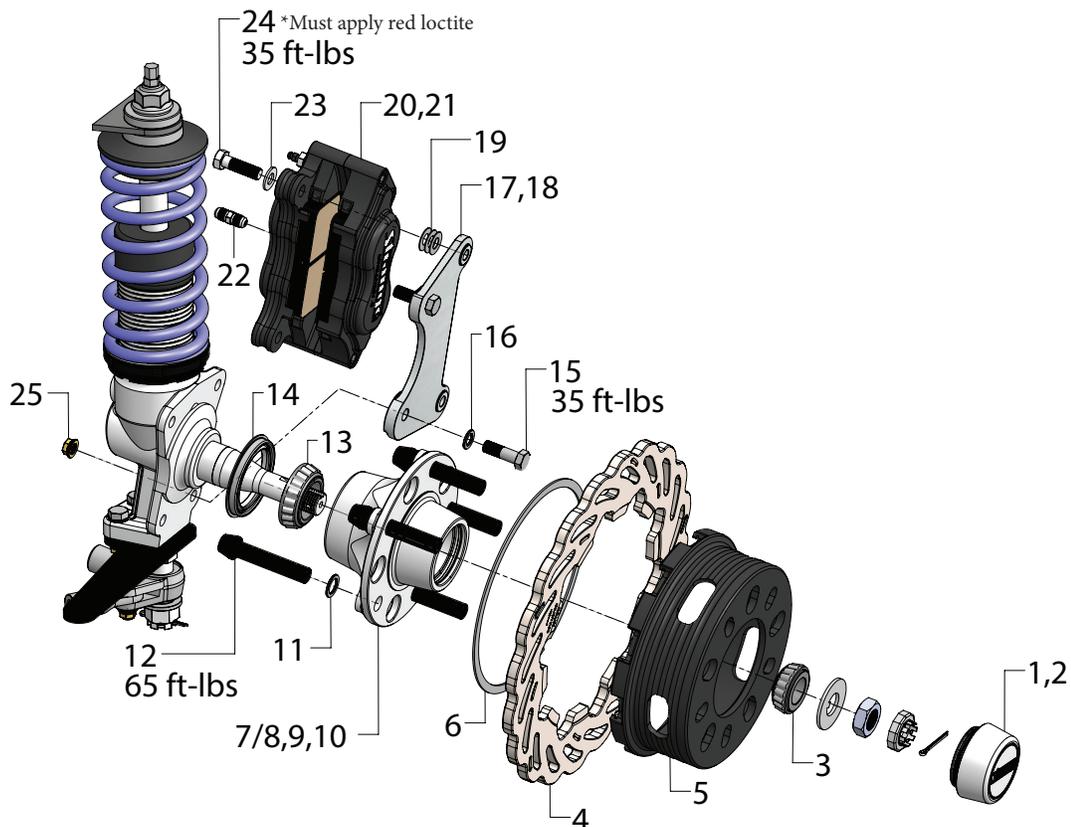
#### KIT CONTENTS

ITEM#	PART#	QTY	DESCRIPTION
1	B4154E	2	Aluminum Hub Cap
2	S3520F	2	#222 Buna O-ring ( <i>installed in B4154E</i> )
3	B1324E	2	Outer Hub Bearing Cone ( <i>Timken LM11949</i> )
4	B2798AS	2	Evolution S Rotor
5	B2794B	2	2-Piece rotor adapter
6	B2794D	2	Spirolock
7	B4154C	2	4.75" B.C. Aluminum H Hub ( <i>B4154WCE kit</i> )
8	B4154SP	2	4.50" B.C. Aluminum Hub ( <i>B4153WCE kit</i> )
9	B1320H	2	Inner Hub Bearing Cup ( <i>Timken LM67010 installed in B4154C/B4154SP</i> )
10	B1324D	2	Outer Hub Bearing Cup ( <i>Timken LM11910 installed in B4154C/B4154SP</i> )
11	A1028B	10	1/2" I.D. Wheel Stud Washer
12	A1028A	10	1/2"-20 x 2.50" Wheel Stud
13	B1320J	2	Inner Hub Bearing Cone ( <i>Timken LM67048</i> )
14	B1328B	2	Hub Seal ( <i>National 6815</i> )
15	S3402Q	4	3/8"-24 Caliper Bracket Bolt
16	S3402N	4	3/8" Washer
17a	B4154G	1	Caliper Mounting Bracket ( <i>Driver side</i> )
17b	B4154F	1	Caliper Mount ( <i>Passenger Side</i> )
18	B1301E	4	3/8"-24 Press Nut ( <i>Installed in B4154G</i> )
19	B1301H	16	0.025" Thick Caliper Shims
20	B5010	4	DRM-35 metallic 4-piston brake pad
21	B1900	2	Billet Caliper
22	P2316	2	1/8" NPT x -3AN Fitting
23	B1301J	4	1/16" Thick Caliper Washer
24	B5000Y	4	3/8"-24 x 1-1/8" Caliper Mounting Bolt
25	F1282	4	3/8"-24 Locknut

Figure # 1

**Installation instructions**

1. Raise and support front of vehicle on a level surface using suitable equipment.
2. Install the caliper mount (17) using the caliper bracket bolts (14), washers (15) and locknut (22)
3. Pack the inner (12) and outer bearing cone (3) 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.
4. Place the inner bearing cone (12) into the hub (6 or 7).
5. Press the hub seal (13) into the inboard side of the hub (6 or 7) flush to the outer face of the hub.
6. Slide the hub assembly onto the spindle. Then slide the outer bearing cone (3) over the spindle and into the hub.
7. Install the key washer and spindle nut. Do not torque the spindle nut yet. Follow the steps bellow for proper spindle nut torque.
8. Mount the wheel and tire assembly on the hub and snug the lug nuts.
9. While rotating the wheel, torque the spindle nut to approximately 20 ft-lbs. Then loosen the spindle nut until the wheel spins freely and there is no end play.
10. Install the stamped spindle nut retainer, cotter pin, aluminium hub cap (1,2) and remove the wheel and tire.
11. Slide the brake rotor (4,5,6) over the wheel studs flush to the face of the hub (6 or 7).  
**Note:** Slotted rotors mount with the arrow pointing in the direction of normal rotation (see Figure# 1). Please read B1900 instructions for complete caliper and brake line installation. The proper brake pad and
12. rotor bed-in procedure outlined in B1900 instructions must be performed to avoid premature brake fade.

**FIGURE # 2:** B4153WCE/B4154WCE Exploded view**WARNING - RACING IS HAZARDOUS - STRANGE BRAKES ARE FOR LEGAL DRAG RACING ONLY**

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