

READ ALL INSTRUCTIONS COMPLETELY AND THOROUGHLY UNDERSTAND THEM BEFORE DOING ANYTHING.
CALL CHASSISWORKS TECH SUPPORT (916) 388-0288 IF YOU NEED ASSISTANCE.

INSTALLATION GUIDE



8382-14 g-Street 14" Rear Brake Kit for Center-Lock Pro-Touring Floater Hub (AD)



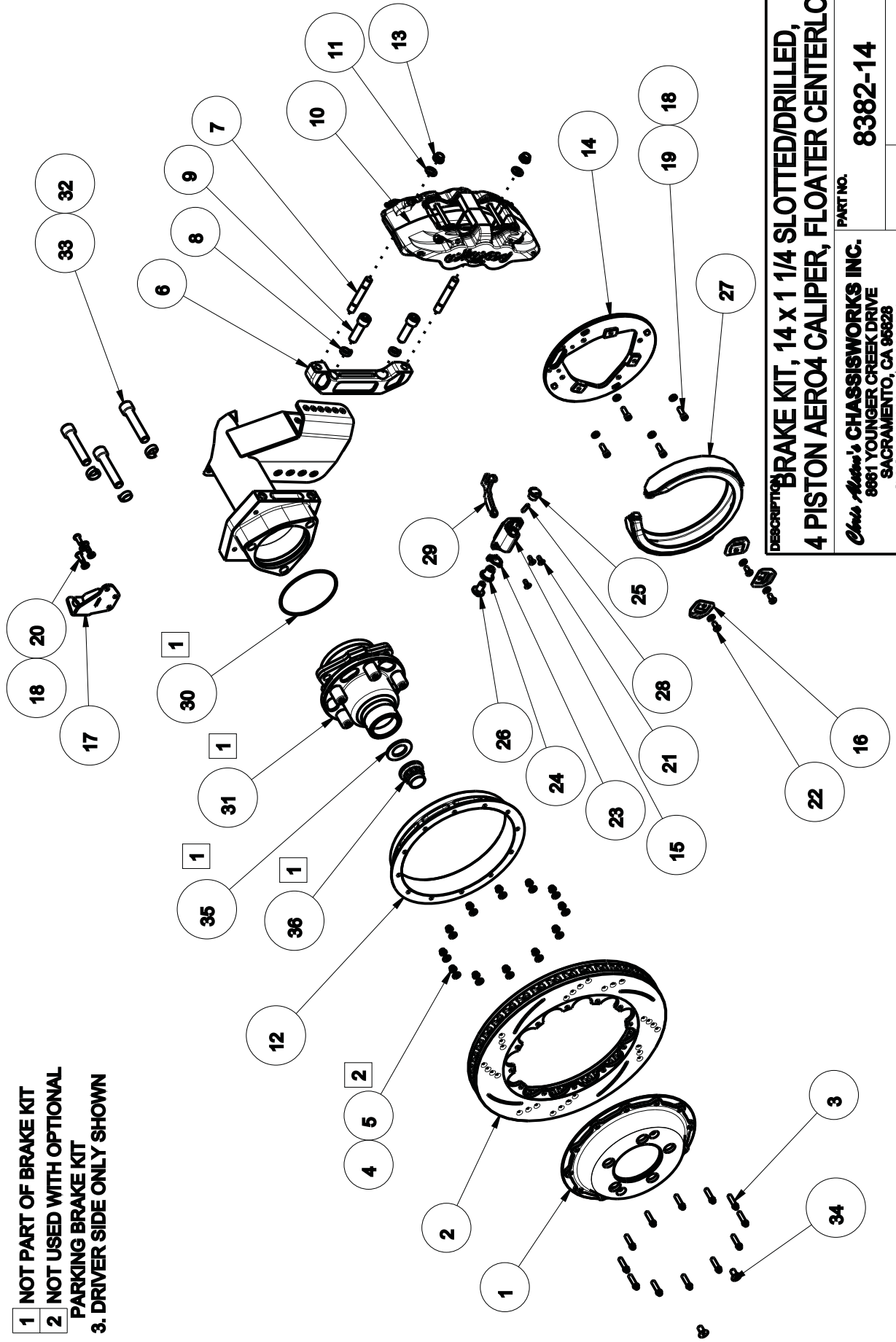
Description: g-Street 14" Rear Brake Kit for Chassisworks Center-Lock Pro-Touring Floater Hub (AD)

Includes: 14" x 1.25" vented rotor, billet-aluminum hat, 4-piston radial mount caliper, caliper mounting bracket, brake pads, and aircraft grade mounting hardware. Optional internal parking brake.

Clearance Notes: Brake register is 3.46". Caliper extends past hub face .40". Caliper outside maximum diameter is 16.0".

ITEM	QTY	PART NO.	DESCRIPTION
1	1	7963-239	HAT, 12 x 1/4 x ϕ 8 3/4 BC, ϕ 9.770 OD, 3.465 REG, 1.333 OSET, 5x13/16x ϕ 4.75 BC, CENTERLOCK
2	1	160-8397-BK	ϕ 14 x 1.25 SRP ROTOR 12 x ϕ 8.75 HAT MNT, WILWOOD
3	12	3122-025F1.00Y	12 POINT CAP SCREW, HIGH TORQUE, 1/4-28 x 1.0, GRADE 8, YELLOW ZINC
4	12	3109-025-S-2-Y	AIRCRAFT WASHER 1/4 x .062 THICK
5	12	3188-025-028Y	FLANGED LOCKNUT, 12 POINT H20, 1/4-28, YELLOW ZINC
6	1	7964-022	CALIPER ADAPTER, 14" ROTOR, WW 6 PISTON W6A RADIAL MNT, GSTREET ALUM KNUCKLE
7	2	3163-07FC-3.00	STUD 7/16-20 x .625 x 7/16-14 x .6, 3.00 OAL
8	2	3108-050H-C	HIGH COLLAR LOCK WASHER, n 1/2, STEEL, ZINC
9	2	3103-050C1.75C	SOCKET HEAD CAP SCREW, 1/2-13 x 1 3/4, CLEAR ZINC
10	1	WW 120-13339-BK	CALIPER, WILWOOD AERO4, RADIAL MOUNT, 1.25 ROTOR, BLACK
11	2	3109-044-S-2-Y	AIRCRAFT WASHER 7/16 x .062 THICK
12	1	7963-214	DRUM, P-BRAKE, 12 x 1/4-28 x n 8 3/4 BC, n 8.278 ID
13	2	3188-044-020K	FLANGED LOCKNUT, 12 POINT H93, 7/16-20, YELLOW ZINC
14	1	7963-216	MOUNTING PLATE, PARKING BRAKE, UNIT HUB-A
15	1	7963-219	HOUSING, PARKING BRAKE ACTUATOR, DRIVER, HUB UNIT A
16	3	7963-217	RETAINING CLIP, PARKING BRAKE SHOE, HUB UNIT A
17	1	7963-224	CABLE MOUNT WELDMENT, DRIVER, PARKING BRAKE, HUB UNIT
18	10	3108-025L-C	LOCK WASHER, HELICAL SPRING n 1/4, STEEL, ZINC
19	4	3103-025C0.75C	SOCKET HEAD CAP SCREW, 1/4-20 x 3/4, CLEAR ZINC
20	3	3104-025C0.63SP	BUTTON HEAD SOCKET CAP SCREW, 1/4-20 x 5/8, STAINLESS, NYLON PATCH
21	3	3105-019F0.50SP	FLAT HEAD SOCKET SCREW, 10-32 x 1/2, STAINLESS, NYLON PATCH
22	3	3104-025C0.50SP	BUTTON HEAD SOCKET CAP SCREW, 1/4-20 x 1/2, STAINLESS, NYLON PATCH
23	1	3225-15817021-3	ADJUSTER DETENT CLIP, SRP ROTOR
24	1	3225-15817021-4	ADJUSTER NUT, PARKING BRAKE, SRP ROTOR
25	1	3225-15817021-1	ACTUATOR, PARKING BRAKE, SRP ROTOR
26	1	3225-15817021-5	ADJUSTABLE ACTUATOR, PARKING BRAKE, SRP ROTOR
27	1	3225-15817020-1	SHOE RING ASSEMBLY, PARKING BRAKE, SRP ROTOR
28	1	3225-15817021-2	ACTUATOR ROD, PARKING BRAKE, SRP ROTOR
29	1	3225-15816927-1	LEVER, PARKING BRAKE, SRP ROTOR
30	1	3116-3.987-10B	O-RING, #2-155, 3.987 ID x 4.0193 OD x .103 WIDE, BUNA-N, 70 DUROMETER
31	1	7963-240-475	UNIT HUB-D, 33 SPLINE, DRIVER, 5 x .800 PINS ON 4 3/4 BC, CENTERLOCK
32	3	3108-M14H-C	HIGH COLLAR LOCK WASHER, M14, STEEL, ZINC
33	3	3146-14F-070-Z	SOCKET HEAD CAP SCREW, M14 x 1.5 x 70MM, CLEAR ZINC
34	2	3105-031F0.63B	FLAT HEAD SOCKET SCREW, 5/16-24 x 5/8, BLACK OXIDE
35	1	7963-246	WASHER, ϕ 1.770 x ϕ 1 x 1/8 THICK
36	1	3188-100-014-M	FLANGED LOCKNUT, 12 POINT H20, 1-14, CADMIUM

- 1 NOT PART OF BRAKE KIT
- 2 NOT USED WITH OPTIONAL PARKING BRAKE KIT
- 3. DRIVER SIDE ONLY SHOWN



DESCRIPTION: **BRAKE KIT, 14 x 1 1/4 SLOTTED/DRILLED, 4 PISTON AERO4 CALIPER, FLOATER CENTERLOCK**

Chas. Nelson's CHASSISWORKS INC. 8661 YOUNGER CREEK DRIVE SACRAMENTO, CA 95828 (916) 388-0288 FAX 388-0285	PART NO.	8382-14
	6/27/17	DWG: 916382-14

PARTS LIST

8382-14 - gStreet 14" Rear Brake Kit for Center-Lock Pro-Touring Floater Hub (AD)

Qty	Part Number	Description
1	3931-AERO-14	Components and hardware gStreet 14" rear brake kit for floater hub (AD)
1	WW 160-8396-BK	Rotor SRP black e-coated, 14" x 1.25" passenger side
1	WW 160-8397-BK	Rotor SRP black e-coated, 14" x 1.25" driver side

3931-AERO-14 - Components and Hardware

Qty	Part Number	Description
4	3103-050C1.75C	Socket head, 1/2-13 x 1-3/4", clear zinc
4	3105-031C0.63U	Flat head, 5/16-18 x 5/8"
4	3108-050H-C	High collar lockwasher, 1/2", clear zinc
24	3109-025-S-2-Y	Aircraft washer, 1/4" small OD
4	3109-044-S-2-Y	Aircraft washer, 7/16" small OD
24	3122-025F1.00Y	Flanged bolt 12-point, 1/4-28 x 1" Grade 8, yellow zinc
4	3163-07FC-3.00	Stud, 7/16-20 x 7/16-14 x 3.00"
24	3188-025-28Y	Flanged locknut, 12-point, 1/4-28
4	3188-044-20-B	Flanged locknut, 12-point, 7/16-20
2	7963-238	Rotor hat, .25" offset with 3.065" pilot
2	7964-022	Caliper adapter bracket for 14" rotor

Caliper Options

Qty	Part Number	Description
2	WW 120-13339-BK	Wilwood W4A 4-piston, radial-mount, black powder coat (included)
2	WW 120-13340-N	Wilwood W4A 4-piston thermlock, radial-mount, nickle plate

Brake Pad Options

Qty	Part Number	Description
1	WW 150-9489K	Street performance/racing brake pads (street) (included)
1	WW 15E-12604K	Street performance/racing brake pads, PolyMatrix E (autocross)
1	WW 150B-9978K	High temperature racing pads, PolyMatrix B (race)

Parking Brake Option

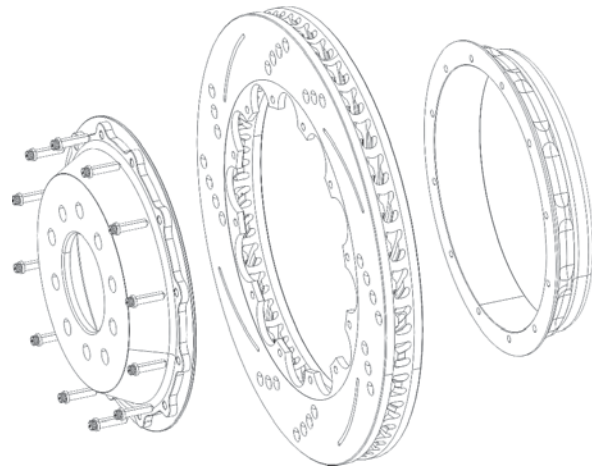
Qty	Part Number	Description
1	3934-PTF	Internal drum-style parking brake

INSTRUCTIONS

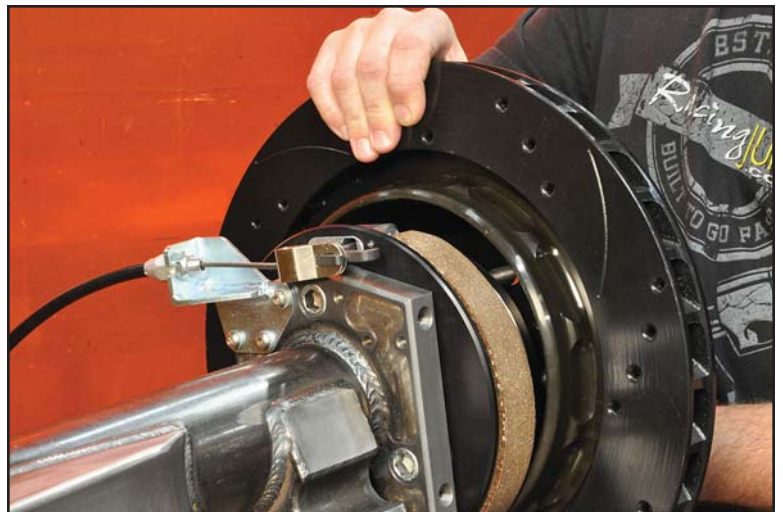
Brake Installation

1. NOTE: Wheel clearance with the 14"-diameter rotor is critical. Most 18"-diameter wheels will fit. You must check the wheel to be sure you have proper clearance. The caliper will extend .40" toward the wheel from the hub surface and the minimum diameter at this position is 14.5". Check your wheel before trying them over the brake kit. Verify you have at least 1/4" of wheel clearance from all brake components. Scratched or damaged hubs, rotors, calipers or mounts are non-returnable for any reason. Using masking tape when test fitting components is recommended.
2. The 14 x 1.25-inch drilled-slotted rotors are directional. There is an arrow on the flat side of the rotor that must point in the correct rotation direction.
3. Bolt the rotor and hat together using the twelve 1/4" 12-point screws, washers, and locknuts. Refer to assembly diagram for hardware orientation. Tighten to 155 lb-in (12.9 lb-ft) of torque. You must hold the bolts with a wrench while tightening the locknuts. Repeat this for the passenger side.

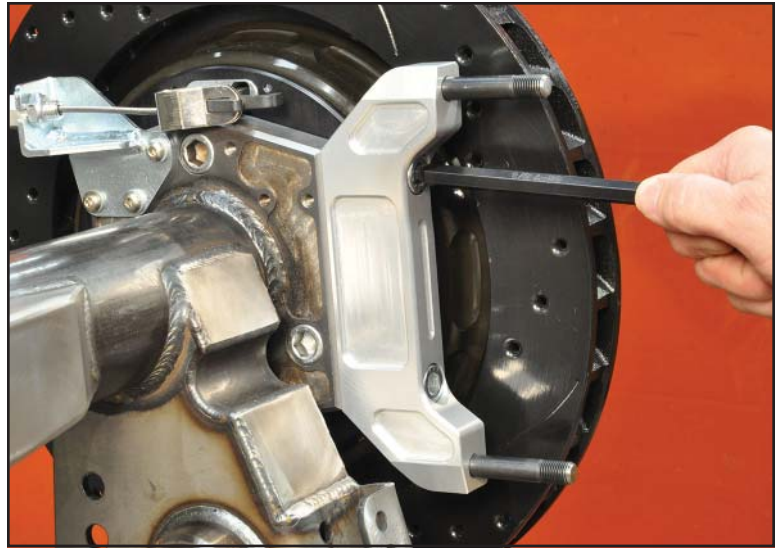
Parking Brake Option: The billet-steel brake drum mounts to the back of the rotor with the 12-point screws threaded directly into the drum.



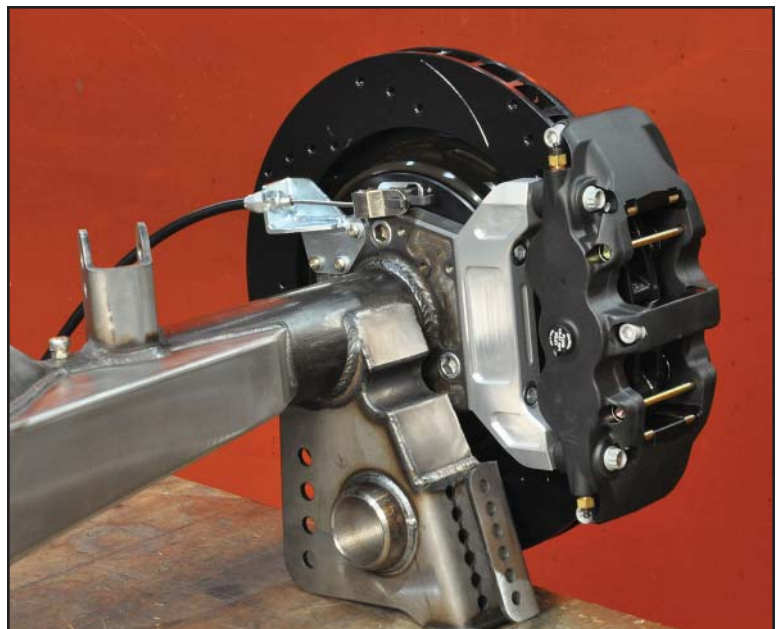
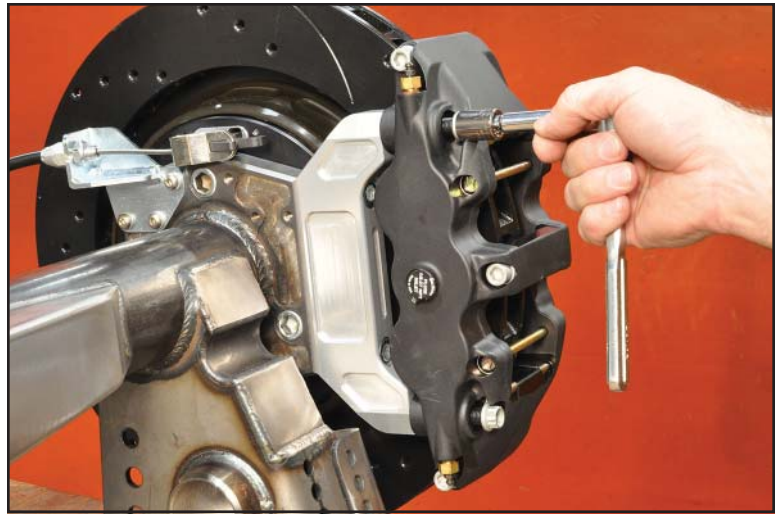
4. Set the hat and rotor assembly onto the hub in preparation for the caliper. A couple lug nuts can be used to secure the rotor.



5. Use the 1/2-13 x 1-3/4" socket head allens and high-collar lockwashers provided in your brake kit to mount the caliper adapters to the housing end bosses. The beveled side of the bracket faces away from the rotor; refer to diagram for clarification. Tighten to 70 lb-ft of torque. Loctite™ is also recommended.



6. Place the caliper over the studs and secure using 7/16" 12-point locknuts and flat washers. If you are trial fitting use regular nuts; not included. Locknuts are intended for single use.
7. Install the brake pads into the caliper by removing the retaining rings and calipers pins.
8. Rotate the rotor assembly slowly to check for any clearance problems between the rotor and the caliper. Make sure the rotor does not drag on the brake pads.
9. Once everything is checked, tighten the caliper-stud flange nuts to 47 lb-ft.
10. Finally, bolt your wheel and tire on the hub and check again to be sure there is at least 1/4" clearance between the caliper and the wheel. There are differences in wheel manufacturer's tolerances. Make sure your wheel turns freely and does not rub on the caliper. Test both sides.



Notes:

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Chris Alston's Chassisworks
8661 Younger Creek Drive
Sacramento, CA 95828
Phone: 916-388-0288
Technical Support: sales@cachassisworks.com

