

FORGED SUPERLITE BIG BRAKE FRONT HAT KITS

KIT FEATURES

Complete systems with aluminum hats or forged hubs to mount 13" rotors over OE type front hub or spindle assemblies

Big brake looks and stopping power to compliment wheel, tire, and suspension system upgrades

ABS compatible

 Calipers available in black

 Calipers available in red

KIT COMPONENTS

FORGED BILLET SUPERLITE 4 PISTON CALIPERS

The Forged Billet Superlite (FSL) is the newest innovation in calipers from Wilwood. New and adaptive technologies have been applied providing substantial improvements in strength, fluid volume displacement, and overall performance. The most noteworthy feature of this new caliper design is the forging. Each body is stress-flow forged from premium grade aluminum alloy billets. Stress-flow forging re-aligns the metal's internal grain structure to flow within the contour of the caliper body. This process eliminates the stresses and interruptions to the internal grain structure that occur when machining a straight block billet. Simply stated, there is no better way to build a stronger aluminum caliper body.

The FSL body design is a highly efficient product of computer generated solid modeling and stress analysis technology. Each caliper features closed end bridges with a radial transition to the piston body housings. The elimination of machined steps and sharp shoulders in this critical area provides a measurable increase in overall body strength and resistance to deflection under load. Center bridge bolts replace cotter pins to provide additional support and allow quick access with positive brake pad retention. The bottom line is better stopping power with less pedal travel.

The superior strength of this innovative new caliper is combined with proven performance features from other Wilwood designs. Each caliper is equipped with Wilwood's replaceable SRS stainless steel bridge plates. SRS plates eliminate the bridge wear caused by pad gouging and extend the service life of the caliper body. The spring-loading action of the SRS plates also eliminates pad rattle and dampens the vibration harmonics that contribute to squeal under braking. Other standard Wilwood features include high-temperature, square faced o-ring seals for positive sealing, controlled piston retraction, and long service life in high heat conditions. Stainless steel pistons are used to resist corrosion and retard heat transfer from the pads. Fluid tubes are vibration dampened to resist stress fractures and reduce damage caused by track debris. Two-piece bleed screw assemblies provide long, reliable service life and are easily replaced if necessary.

GT SERIES ROTOR HATS

GT aluminum hats are lightweight and strong to handle the exceptional brake torque generated by the SL6 Big Brake system. The hats are specially designed for use on the OE hubs without modifications or interference to the suspension or ABS components. The hats carry Wilwood's signature and a black anodized finish that prevents corrosion and enhances the overall appearance of the complete package inside the wheel.

13" ROTORS

Large diameter vented iron rotors provide substantial increases in cooling and stopping power over small diameter OE rotors. All Wilwood rotors are manufactured from premium grade, long grain carbon iron to provide long wear with high thermal



Forged Superlite Big Brake Front Kit with SRP Rotor

stability and resistance to distortion. The superior heat absorption and dissipation qualities of a vented iron rotor are essential to preventing heat fade and realizing the longest service life from the pads and rotors.

SRP ROTORS

For custom, show, and high performance sport driving, SRP rotor kits offer the high-tech look and improved performance of a directional cross-drill and face slot pattern. In addition to their aesthetic appeal, the venting and cleaning action of the holes and slots will reduce pad glaze, dissipate surface heat, and minimize irregular pad build-up on the rotor faces. The results are smoother engagement with improved consistency and response at the pedal. Every SRP rotor is treated with a silver zinc wash to reduce corrosion on the areas of the rotor not kept clean by pad contact.

GT ROTORS

GT rotor kits feature Wilwood's ultimate competition rotor with full detail machining, asymmetrical face slotting and individual dynamic balancing. GT rotors run true and smooth with extended rotor life and pad wear on applications subject to higher sustained operating temperatures.

WILWOOD BRAKE PADS

Wilwood brake pads get fast response with high resistance to fade, long wear, and low rotor abrasion. Specific pad types and compounds have been selected for each application and are listed in the service parts guide for each kit. More information on Wilwood Smart Pad, PolyMatrix and ProMatrix brake pad compounds can be found on pages 58-60.

CALIPER BRACKETS AND HARDWARE

Aluminum mount brackets are lightweight and strong. Each bracket is CNC machined for precise fit on each specific spindle. Grade 8 or higher and AN style nuts, bolts, washers and alignment shims are included in all applicable kits.

PLUMBING

Fittings and hoses for most kits must be ordered separately. A few noted kits do include stainless steel flexlines. Otherwise, hose kit part numbers can be found next to each kit in the ordering information, or with the plumbing information on pages 55-57.

NOTE Installation of Wilwood Disc Brake Kits may affect the wheel offset. Reference Wilwood wheel clearance diagrams available on our web site.

ORDERING INFORMATION: KITS

MAKE	YEAR	OE SPINDLE TYPE	NOTES	KIT PART NUMBERS		HOSE KIT
				BLACK CALIPER GT ROTOR	BLACK CALIPER SRP ROTOR	
Ford / Mercury						
Cougar	1970-73	Disc/Drum	(1)	140-9189	140-9189-D	220-9195
Maverick	1970-73	Disc/Drum	(1)	140-9189	140-9189-D	220-9195
Mustang	1968-69	Disc/Drum	(1)	140-9501	140-9501-D	220-9195
Mustang	1970-73	Disc/Drum	(1)	140-9189	140-9189-D	220-9195
Mustang II	1974-78	Disc/Drum	(1) (2)	140-9482	—	220-9481
Nissan						
240SX (SE, 5 Lug Only)	1995-98	Disc		140-9194	140-9194-D	220-9199
Scion						
Scion xA	2004-05	Disc		140-8335	140-8335-D	220-8336
Scion xB	2004-05	Disc		140-8335	140-8335-D	220-8336
Scion tC	2005	Disc		140-9013	140-9013-D	220-8336

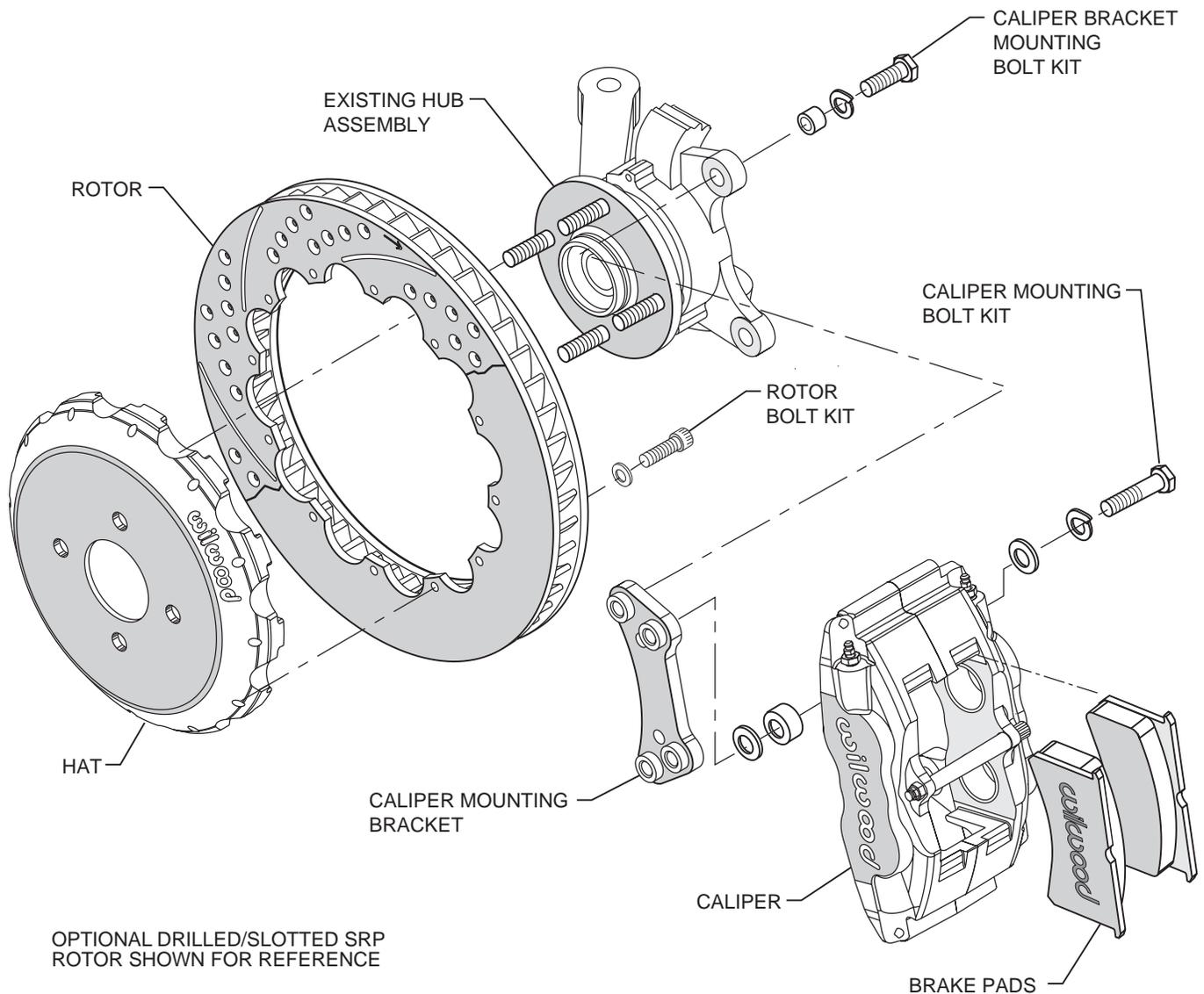
NOTE: (1) Kit includes hub assembly
 (2) Rotor dimensions are: 12.19" x 1.25", 8 x 7.00" bolt circle

FOR USER SERVICEABLE COMPONENTS ORDERING INFORMATION, SEE PAGE 50

MAJOR BRAKE KIT COMPONENTS

TYPICAL FORGED SUPERLITE BIG BRAKE FRONT KIT

Major Components Identified



DISCLAIMER

Wilwood engineers brake kits and components for a wide variety of racing and high performance driving applications. It is the responsibility of the end user to choose the parts that are best suited for the braking demands encountered by his

or her vehicle. Vehicle speed and weight, along with environmental conditions should always be taken into account when selecting and installing the kit or component that's right for you. See page 9 for complete disclaimer of warranty.