



# W6AR BIG BRAKE / ROAD RACE KITS CORVETTE C-5 / C-6 / Z06

## Models Covered:

Chevrolet Corvette C-5	1997 - 2004
Chevrolet Corvette C-6	2005 - Present

## Kit Features:

- Extreme performance upgrade for aggressive street / track combination vehicles and dedicated competition machines.
- Engineered to maximize braking capacity inside custom and race offset wheels.
- Simple bolt-on installation with no modifications required.
- Fully compatible with ABS and OE master cylinder output.
- Requires additional wheel clearance. Reference the wheel fitment diagram on the reverse side to be sure there is adequate clearance with the wheels you will be using with this application.

## Component Features:

### W6AR & W6AR/ST Forged Billet Radial Mount Calipers

- Competition proven and fully detail machined forged billet body demonstrates superior strength and resistance to deflection and separation under high load.
- Differential bore six piston design generates big brake clamping force with balanced pad loading for even wear in all sustained high heat, high load conditions.
- W6AR calipers in the Big Brake kit use stainless pistons to resist corrosion and reduce heat transfer from the pads.
- W6AR/ST calipers in the Road Race kit use Wilwood's exclusive Thermlock Piston technology to reduce caliper temperatures as much as 25% providing maximum protection against heat related fade and component wear.
- Spring loaded SRS bridge plates dampen noise and engagement harmonics while protecting the caliper bridge from wear by pad gouging.
- High temperature, fluid resistant high gloss black finish is standard, with red available as an order option.



Corvette Big Brake/Road Race  
Front Kit with SV-GT Rotor

### Staggered Directional Vane 14.25" SV-GT Rotors

- Unique SV staggered directional vanes provide maximum cooling efficiency without unnecessary added weight.
- Full detail GT competition machining prep includes asymmetrical degassing slots and individual dynamic balancing.
- Big 14.25" diameter provides increased leverage for improved stopping power over all OE sizes.

### Forged Aluminum GT Mounting Hats

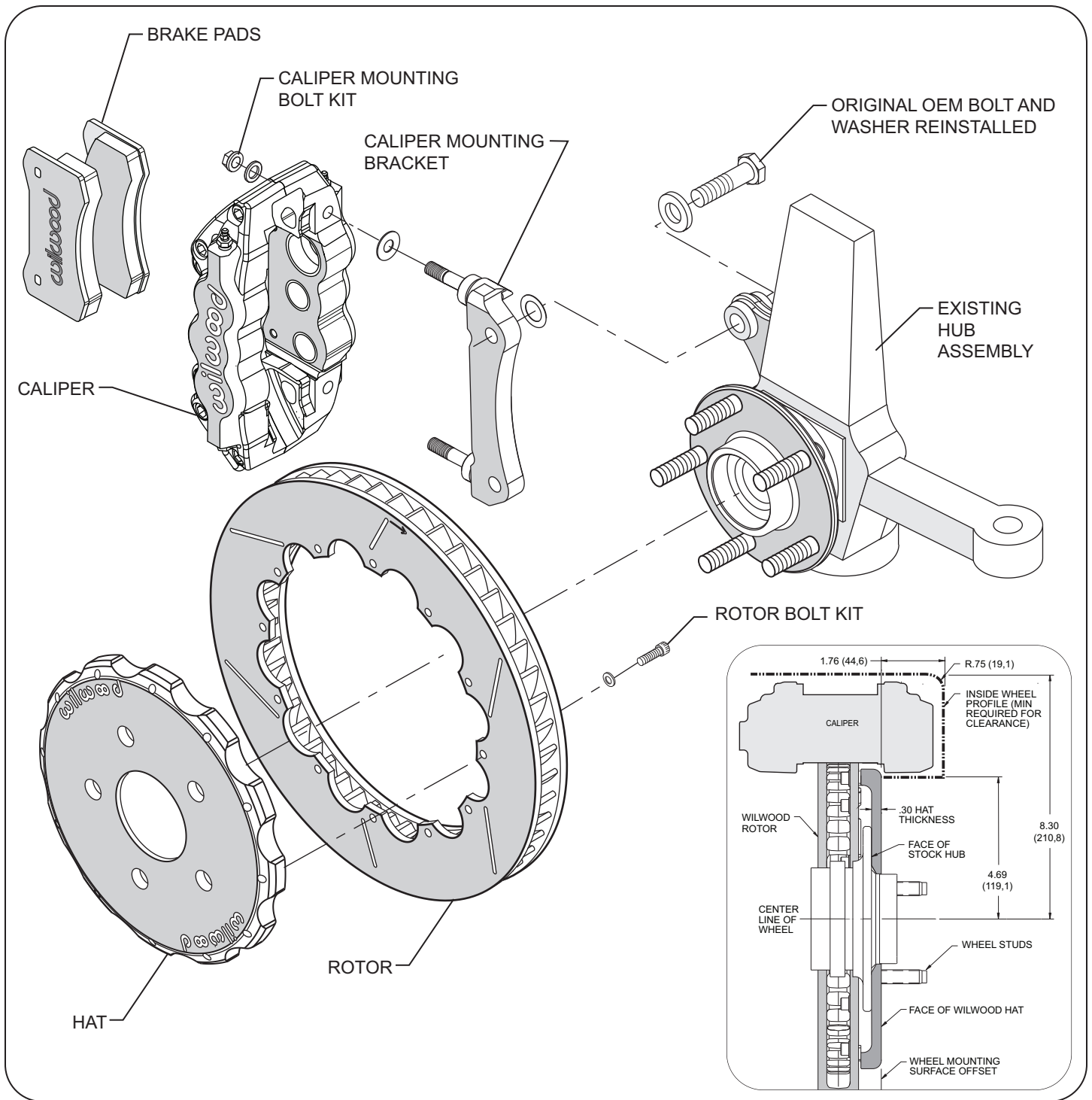
- Forged aluminum rotor mount hats help reduce weight with the strength to handle the exceptional brake torque delivered by the W6AR caliper.
- Black anodized finish resists corrosion while adding to the aggressive competition look inside the wheel.

### Wilwood High Performance Brake Pads

- BP-20 compound "Smart Pads" in the Big Brake kit generate the higher friction and fade resistance of an intermediate level race pad with immediate cold response, reduced noise, and low dust levels for the street.
- PolyMatrix "H" compound race pads in the Road Race kit provide high friction, long wear, smooth engagement, modulation, and maximum fade resistance for sustained high temperature competition braking.

### Radial Mounting Hardware and Plumbing

- Radial mounting provides secure attachment directly to the OE mount with two planes of adjustment for precise alignment over the rotor. Brackets, premium grade fasteners, and alignment shims are included in each kit.
- Stainless steel braided competition flex line kits, with machine crimped ends and the fittings necessary to connect the calipers with the OE chassis bulkhead, are available and must be ordered separately.



Typical Installation Diagram, Major Components Identified. Minimum Wheel Fit Dimensions Shown Inset

**ORDERING INFORMATION: BRAKE AND FLEX LINE KITS:**

<u>MAKE / MODEL / YEAR</u>	<u>BIG BRAKE KIT</u>	<u>ROAD RACE KIT</u>	<u>FLEX LINE KIT</u>
Chevrolet Corvette, All C-5, 1997-2004	140-10163	140-10226	220-8176
Chevrolet Corvette, All C-6, 2005-Present	140-10163	140-10226	220-9100

**ORDERING INFORMATION, USER SERVICEABLE COMPONENTS:**

<u>PART NUMBER</u>	<u>CALIPER</u>	<u>GT ROTOR-R/L</u>	<u>AXLE SET PADS</u>	<u>HAT</u>	<u>ROTOR BOLT KIT</u>	<u>BRACKET KIT (EA)</u>
140-10163	120-9402/03-RS	160-9787/88	150-9489K	170-8920	230-4572	250-10162
140-10226	120-10224/25-RS	160-9787/88	15H-9979K	170-8920	230-4572	250-10162