



# W6AR Caliper and Bracket Upgrade Kits for 1997-2012 Corvette Front Spindles

## Models Covered:

- All 1997-2012 C5 & C6 Front Spindles.
- All models either OE equipped or being upgraded to C6 Z51 13.4" or C6 Z06 14" rotors.

## Kit Features:

- W6AR calipers, with matched radial mount brackets, provide simple bolt-on front brake upgrades for use with affordable C6 Z51 13.4" and C6 Z06 / Grand Sport 14.0" OE one-piece rotors.
- Caliper upgrade kits provide big brake styling and real big brake stopping power for use in conjunction with wheel and tire upgrades for street, show, or track.



W6AR Caliper and Bracket Upgrade Kit  
(Calipers Shown in "Quick-Silver" Finish)

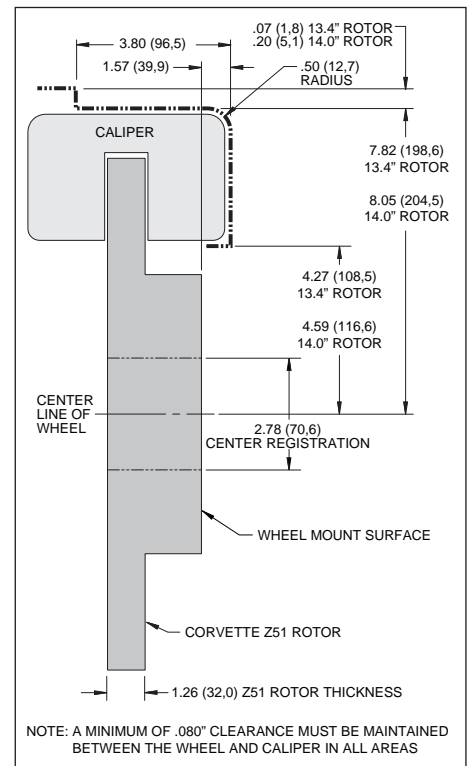
## Component Features:

### W6AR Forged Billet Radial Mount Calipers

- Stress-flow, forged billet aluminum calipers provide a rigid and durable performance upgrade over all OE caliper models.
- Six differential bore stainless steel pistons generate high clamping force with balanced pad loading for even pad wear in all conditions. Wilwood's exclusive Thermlock pistons can also be added for road course or other sustained high heat applications.
- Square section, high temperature "in-the-bore" seals provide controlled piston retraction and the most effective sealing method. All problems associated with using external dust boot type seals in high temperature environments are eliminated.
- Base kits are configured with piston volumes matched to the OE Corvette master cylinder output. Optional large piston models for increase clamping capability with customized or competition style manual brake systems are also available. W4AR four piston caliper models to meet SCCA T1 and other "spec" category racing requirements are also available.
- Standard finishes include brake fluid resistant high temperature sealed gloss black or red powder coat, and Wilwood's new "Quick-Silver" finish.
- Radial mounting provides secure attachment of the caliper to the OE spindle. Radial mounting provides easy off and on access for service, with two planes of adjustment for precise alignment over the rotor. Each kit includes the proper hardware, alignment shims, and spacers for use with either the 13.4" or 14.0" rotors.

### Wilwood "Smart Pads"

- BP-20 compound "Smart Pads" are included with each kit. BP-20 provides a progressive response rate as temperature and pedal pressures increases. This unique metallic composite formula provides immediate response with an aggressive feel for repeated confident stops without the harsh noise, extreme dust levels, and high rotor abrasion associated with other hard metallic compound pads.
- PolyMatrix "race-only" compounds are also available for dedicated track cars.



Wheel Clearance Diagram

## ORDERING INFORMATION: CALIPER, PAD AND ROTOR MOUNTING BRACKET KITS

### PART NUMBER

- 140-12629
- 140-12629-R
- 140-12629-N

### CALIPER TYPE AND FINISH

- W6AR Six Piston calipers with gloss black powder coat
- W6AR Six Piston calipers with gloss red powder coat
- W6AR Six Piston calipers with "Quick-Silver" plating

**ORDERING INFORMATION: FRONT FLEXLINE KITS FOR OE CORVETTE CHASSIS - 2 LINES PER KIT****PART NUMBER****MODEL APPLICATION**

220-8176	1997-2004 All C5 OE Chassis
220-9100	2005-2012 All C6 OE Chassis

**ORDERING INFORMATION: COMPONENTS AND OPTIONS****STANDARD SIX PISTON CALIPERS****ITEM P/N****CALIPER TYPE with PISTON SIZES**

120-11663-RS	W6AR, Black, RH, 1.62/1.12/1.12 pistons
120-11664-RS	W6AR, Black, LH, 1.62/1.12/1.12 pistons
120-11663-RSR	W6AR, Red, RH, 1.62/1.12/1.12 pistons
120-11664-RSR	W6AR Six Piston, Red, LH, 1.62/1.12/1.12 pistons
120-11663-RSN	W6AR Six Piston, "Quick-Silver", RH, 1.62/1.12/1.12 pistons
120-11664-RSN	W6AR Six Piston, "Quick-Silver", LH, 1.62/1.12/1.12 pistons

**OPTIONAL SIX PISTON CALIPERS****ITEM P/N****CALIPER TYPE with PISTON SIZES**

120-11661-RS	W6AR, Black, RH, 1.75/1.38/1.38 pistons
120-11662-RS	W6AR, Black, LH, 1.75/1.38/1.38 pistons
120-11661-RSR	W6AR, Red, RH, 1.75/1.38/1.38 pistons
120-11662-RSR	W6AR, Red, LH, 1.75/1.38/1.38 pistons
120-11657-RSN	W6AR/ST, "Quick-Silver", RH, 1.62/1.12/1.12 Thermlock Pistons
120-11658-RSN	W6AR/ST, "Quick-Silver", LH, 1.62/1.12/1.12 Thermlock Pistons

**OPTIONAL FOUR PISTON CALIPERS****ITEM P/N****CALIPER TYPE with PISTON SIZES**

120-11665-RS	W4AR, Black, RH, 1.88/1.62 pistons
120-11666-RS	W4AR, Black, LH, 1.88/1.62 pistons
120-11665-RS	W4AR, Red, RH, 1.88/1.62 pistons
120-11666-RS	W4AR, Red, LH, 1.88/1.62 pistons
120-11671-RS	W4AR/ST, Black, RH, 1.75/1.38 Thermlock Pistons
120-11672-RS	W4AR/ST, Black, LH, 1.75/1.38 Thermlock Pistons

**BRAKE PADS: TYPE 6617, BOXED AXLE SETS****SET P/N****PAD COMPOUND TYPE**

150-9488K	Smart Pad, BP-10, 6617-10, Street Performance
150-9489K	Smart Pad, BP-20, 6617-20, Hi-Temp Street Performance
150-9980K	Smart Pad, BP-30, 6617-30, Race Only, Medium Temp Auto-Cross, HPDE
15A-6704K	PolyMatrix "A", 6617-A, Race Only, Extreme High Temp, Aggressive initial bite
15B-6705-K	PolyMatrix "B", 6617-B, Race Only, Med-High Temp, Auto-Cross, HPDE
15H-8546K	PolyMatrix "H", 6617-H, Race Only, Extreme High Temp, Softer initial bite

**BRACKET KIT ONLY – 2 REQ'D****ITEM P/N****DESCRIPTION**

250-11720	Radial Mount Caliper Bracket Kit with Hardware – 2 Req'd
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**WHEEL FITMENT NOTES**

- C6 Z06 style 18" wheels clear both rotor sizes
- C5 Z06 style 17" wheels can be used with 13.4" rotor kits in conjunction with an additional 1/8" to 1/4" wheel spacer
- For all other wheels, check wheel clearances prior to purchase and / or installation**