

ASSEMBLY INSTRUCTIONS

FOR TCI-IFS SPINDLE*

*For additional vehicle compatibility, visit www.wilwood.com

SUPERLITE 6 FRONT BRAKE KIT WITH 12.88" DIAMETER VENTED ROTOR

BASE PART NUMBER

140-13224

**DISC BRAKES SHOULD ONLY BE INSTALLED BY SOMEONE
EXPERIENCED AND COMPETENT IN THE INSTALLATION AND
MAINTENANCE OF DISC BRAKES
READ ALL WARNINGS**

WARNING

IT IS THE RESPONSIBILITY OF THE PERSON INSTALLING ANY BRAKE COMPONENT OR KIT TO DETERMINE THE SUITABILITY OF THE COMPONENT OR KIT FOR THAT PARTICULAR APPLICATION. IF YOU ARE NOT SURE HOW TO SAFELY USE THIS BRAKE COMPONENT OR KIT, YOU SHOULD NOT INSTALL OR USE IT. DO NOT ASSUME ANYTHING. IMPROPERLY INSTALLED OR MAINTAINED BRAKES ARE DANGEROUS. IF YOU ARE NOT SURE, GET HELP OR RETURN THE PRODUCT. YOU MAY OBTAIN ADDITIONAL INFORMATION AND TECHNICAL SUPPORT BY CALLING WILWOOD AT (805) 388-1188, OR VISIT OUR WEB SITE AT WWW.WILWOOD.COM. USE OF WILWOOD TECHNICAL SUPPORT DOES NOT GUARANTEE PROPER INSTALLATION. **YOU**, OR THE PERSON WHO DOES THE INSTALLATION MUST KNOW HOW TO PROPERLY USE THIS PRODUCT. IT IS NOT POSSIBLE OVER THE PHONE TO UNDERSTAND OR FORESEE ALL THE ISSUES THAT MIGHT ARISE IN YOUR INSTALLATION.

RACING EQUIPMENT AND BRAKES MUST BE MAINTAINED AND SHOULD BE CHECKED REGULARLY FOR FATIGUE, DAMAGE, AND WEAR.



Need Additional Information? Use Your
SmartPhone and Jump to Our Technical
Tips Section on Our Web Site.

DISC BRAKES
wilwood

WARNING

**DO NOT OPERATE ANY VEHICLE ON UNTESTED BRAKES!
SEE MINIMUM TEST PROCEDURE WITHIN**

ALWAYS UTILIZE SAFETY RESTRAINT SYSTEMS AND ALL OTHER AVAILABLE SAFETY EQUIPMENT WHILE OPERATING THE VEHICLE

IMPORTANT • READ THE DISCLAIMER OF WARRANTY INCLUDED IN THE KIT

NOTE: Some cleaners may stain or remove the finish on brake system components. Test the cleaner on a hidden portion of the component before general use.

Important Notice - Read This First

Before any tear-down or disassembly begins, review the following information:

- Review the wheel clearance diagram (Figure 2, page 4) to verify that there is adequate clearance with the wheels you will be using with the installation.
- This brake kit does not include flex lines. OEM brake lines will not adapt to Wilwood calipers. Check the assembly instructions, or associated components section for brake line recommendations before assembly. In addition, Wilwood offers an extensive listing of brake lines and fittings on our web site: www.wilwood.com.
- Due to OEM production differences and other variations from vehicle to vehicle, the fastener hardware and other components in this kit may not be suitable for a specific application or vehicle.
- It is the responsibility of the purchaser and installer of this kit to verify suitability / fitment of all components and ensure all fasteners and hardware achieve complete and proper engagement. Improper or inadequate engagement can lead to component failure.

Photographic Tip

Important and highly recommended: Take photos of brake system before disassembly and during the disassembly process. In the event, trouble-shooting photos can be life savers. Many vehicles have undocumented variations, photos will make it much simpler for Wilwood to assist you if you have a problem.

Exploded Assembly Diagram

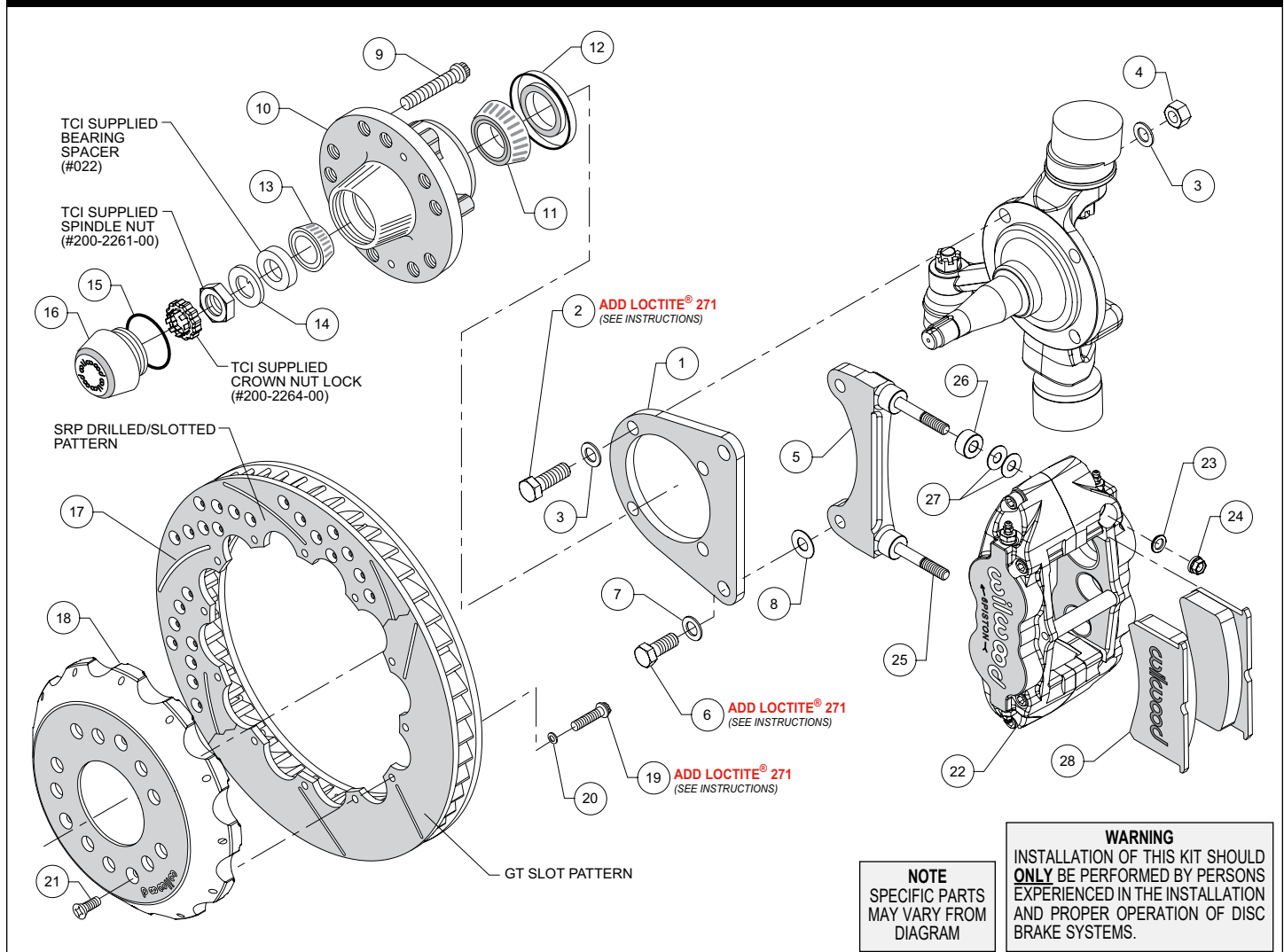


Figure 1. Typical Installation Configuration

Parts List

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	250-13194	Bracket, Flat	2
2	230-9457	Bolt, 1/2-13 x 1.50" Long, Hex Head	8
3	240-11102	Washer, .515" I.D. x .875" O.D. x .063" Thick	12
4	230-13222	Nut, 1/2-13, Hex	4
5	250-11587	Bracket, Radial Mount	2
6	230-10898	Bolt, M14-2.00 x 30mm Long, Hex Head	4
7	240-11855	Washer, .578" I.D. x 1.062" O.D. x .063" Thick	4
8	240-8969	Shim, .029" Thick	8
9	230-6959	Stud, 1/2-20 x 2.00" Long, 12 Point	10
10	270-7466	Hub Assembly	2
11	370-0884	Cone, Inner Bearing	2
12	380-0885	Seal, Grease	2
13	370-0882	Cone, Outer Bearing	2
14	240-12207	Washer, Spindle, 27/32"	2
15	211-1674	O-Ring	2
16	270-2158	Cap, Dust	2
17	160-12961/62	Rotor, 1.10" Thk x 12.88" diameter	2
17A	160-13543/44-BK	Rotor, SRP Black Drilled and Slotted, (left and right)	2
17B	160-13543/44	Rotor, SRP Zinc Drilled and Slotted, (left and right)	2
18	170-10489	Hat, 5 x 4.50/4.75", 1.62" Offset, 12 x 8.75" BC	2
19	230-8037	Bolt, 1/4-20 x .750" Long, 12 Point	24
20	240-11240	Washer, .265" I.D. x .500" O.D. x .063" Thick	24
21	230-10419	Bolt, 1/4-20 x .50" Long, Flat Head	6
22	120-11780/81-BK	Caliper, Forged Narrow Superlite 6R	2
22A	120-11780/81-RD	Caliper, Forged Narrow Superlite 6R, Red	2
22B	120-11780/81-P	Caliper, Forged Narrow Superlite 6R, Polished	2
23	240-10190	Washer, .391" I.D. x .625" O.D. x .063" Thick	4
24	230-16550	Nut, 3/8-24, Self Lock, 6 Point	4
25	230-9078	Stud, 3/8-16 x 3/8-24 x 2.50" Long (pre-installed in bracket)	4
26	240-1159	Shim, .035" Thick	16
27	150-8855K	Pad, BP-10, Axle Set	1

NOTES:

Part Number 230-13197 Bolt Kit, bracket to spindle, includes p/n's 230-9457, 230-13222, 230-10898, 240-8969, 240-11102 & 240-11855

Part Number 230-8008 Bolt Kit, rotor to hat, includes p/n's 230-8037 and 240-11240

Part Number 250-11585 Bracket Kit, caliper mounting, includes p/n's 250-11587, 230-9078, 230-16550, 240-10190 and 240-1159

Part Number, 230-7032 Bolt Kit, hub to hat, includes p/n 230-10419

Item 17A is an optional item and is included in the (D) black drilled rotor kits. Add "-D" to end of part number when ordering.

Item 17B is an optional item and is included in the (Z) zinc drilled rotor kits. Add "-Z" to end of part number when ordering.

Item 22A is an optional item and is included in the (R) red caliper kits. Add "-R" to end of part number when ordering.

Item 22B is an optional item and is included in the (P) polished caliper kits. Add "-P" to end of part number when ordering.

General Information

*Installation of this kit should **ONLY** be performed by persons experienced in the installation and proper operation of disc brake systems. Before assembling the Wilwood disc brake kit, double check the following items to ensure a trouble-free installation.*

- Make sure this is the correct kit to fit the exact make and model year of your vehicle. This kit is designed for direct bolt-on installation to TCI-IFS spindles.
- Verify the hub stud pattern in this kit matches the lug pattern of the vehicles wheels.
- Verify your wheel clearance using Figure 2.
- Inspect the package contents against the parts list to ensure that all components and hardware are included.
 - The TCI spindles should include the following TCI supplied parts. If any of these parts are missing, contact TCI directly at (855) 693-1259.
 - Bearing spacer (#022)
 - Spindle nut (#200-2261-00)
 - Crown nut lock (#200-2264-00)

Disassembly Instructions

- Disassemble the original equipment front brakes:

Raise the front wheels off the ground and support the front suspension according to the vehicle manufacturer's instructions

Remove the front wheels and completely disassemble the existing brake system (if any) down to the bare spindles. Save the TCI supplied bearing spacers, spindle nuts, and nut locks.

- Remove any nicks or burrs on the spindle mount faces that may interfere with the installation of the new brake components.
- Clean and de-grease the spindles and saved components.

Assembly Instructions

NOTE: Numbers in parenthesis refer to the parts list and Figure 1 on the preceding pages.

- Orient the flat bracket (1) as shown in Figure 1, and Photo 1, and install using bolts (2), washers (3), and nuts (4). **NOTE:** The two lower mount bolts thread directly into the steering arm. Temporarily tighten the mounting bolts. **NOTE:** The bracket must fit squarely against the spindle face. Inspect for interference from casting irregularities, machining ridges, burrs, etc. After the bracket alignment has been checked, remove the bracket mounting bolts (or nuts) one at a time and apply red *Loctite*® 271 to the threads. Torque bolts to 77 ft-lbs.

- The radial mount caliper bracket (5) should initially be installed with clean, dry threads on the mounting bolts. Orient the bracket as shown in Figure 1, and Photo 2, and install using bolts (6), and washers (7). Initially place one .029" thick shim (8) on each bolt between the flat bracket (1) and radial mount caliper bracket (5), Figure 1. Temporarily tighten the mounting bolts. Later, after the caliper alignment has been checked, the mount bolts will be secured using red *Loctite*® 271.

- Install wheel studs (9) into the hub (10), Photo 3. Torque to 77 ft-lb. **NOTE:** There are two five lug patterns in the hub (5 x 4.50 and 5 x 4.75). Ensure the correct hub stud pattern is being used to fit the wheel application.

- Pack the large inner bearing cone (11) with high temperature disc brake bearing grease (available from your local auto parts store) and install into the backside of the hub (10), Photo 4.

- Install the grease seal (12) by pressing into the backside of the hub (10), flush with the end of the hub, Photo 4.

- Pack the small outer bearing cone (13) with high temperature disc brake bearing grease and install into hub (10), Photo 5. Slide the hub assembly onto the spindle. Install TCI supplied bearing spacer (#022). Secure using spindle washer (14) and TCI supplied spindle nut (#200-2261-00). Bearing adjustment: Tighten the nut while turning the hub. When there is a slight bind on the bearings, they are seated correctly. Back the nut off about 1/6 to 1/4 of a turn, or sufficiently to allow .001" to .007" end play. **WARNING:** Failure to back off adjusting nut could cause bearing to run hot and be damaged, which could cause the wheel to lock or come off. Install TCI supplied crown nut lock (#200-2264-00) and a new cotter pin (not included).

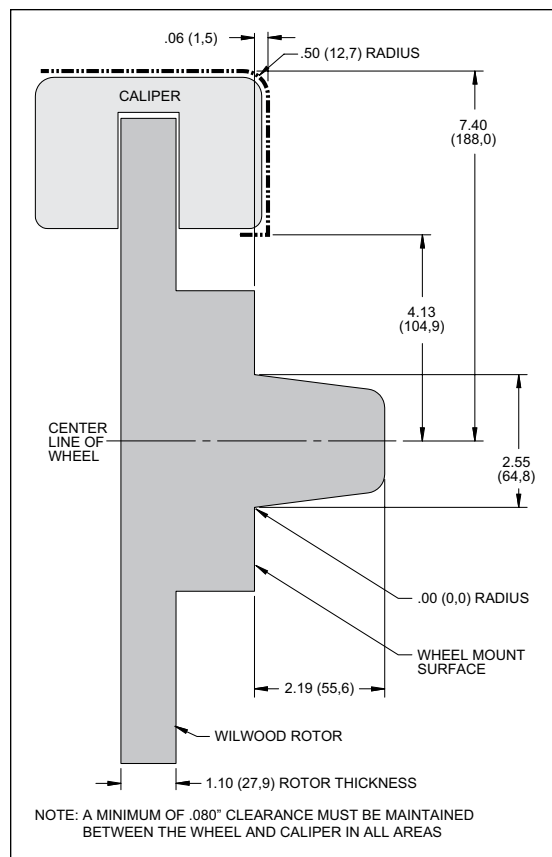


Figure 2. Wheel Clearance Diagram

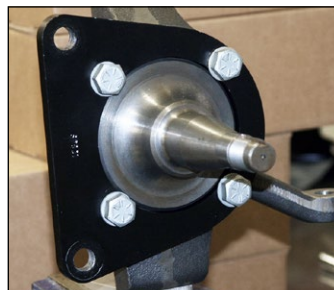


Photo 1



Photo 2



Photo 3



Photo 4

Assembly Instructions (Continued)

- Screw dust cap (16) into hub (10), Photo 6. Friction created by the o-ring (15) on the dust cap keeps it from unscrewing. **NOTE:** The O.D. of the existing spindle washer may be larger than the I.D. of the dust cap not allowing it to seat against the hub face. Therefore, use the spindle washer (14) supplied with the kit.

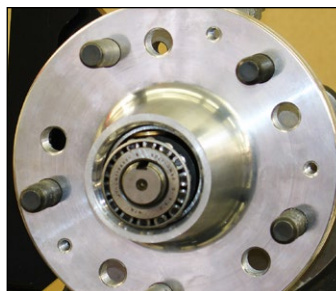


Photo 5



Photo 6

- Orient the rotor (17) and the hat (18) as shown in Figure 1 and Photo 7. Attach rotor to hat using bolts (19) and washers (20). Apply red *Loctite*® 271 to the bolt threads and torque to 155 in-lb using a criss-cross pattern. For an added measure of security, the bolts may be safety wired using standard 0.032 inch diameter stainless steel safety wire as shown in Figure 3. Please refer to Wilwood's data sheet DS-386 (available at www.wilwood.com/Pdf/DataSheets/ds386.pdf) for complete safety wire installation instructions.



Photo 7

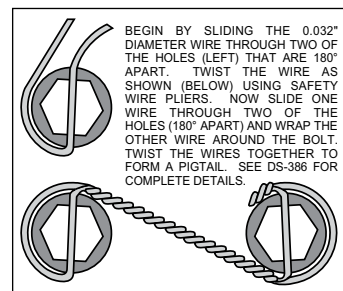


Figure 3. Safety Wire Diagram

- Slide the hat/rotor (17/18) onto the hub (10) taking care to align the small countersunk holes in the hat with the small threaded holes in the hub. **NOTE:** The hat must fit flush against the hub face or excessive rotor run out may result. Install three flat head screws (21) through the small holes in the hat (18), Photo 8, and torque to 85 in-lb.

- NOTE:** This kit contains distinct right and left hand calipers that must be mounted in a specific direction, as described below. Initially place two .035" thick shims (26) on each stud (25) between the caliper and the bracket, as shown in Figure 1 and Photo 9. Mount the caliper (22) onto the bracket (5) using lock nuts (24) and washers (23), Figure 1. Ensure that the caliper is mounted so the largest pistons are at the rotor exit end of the caliper, in relation to the direction of rotor rotation. Temporarily tighten the lock nuts and view the rotor through the top opening of the caliper. The rotor should be centered in the caliper, Photo 10. If not, adjust by adding or subtracting shims (8) between the flat bracket and the radial mount bracket. Always use the same amount of shims on each of the two mounting bolts. Once the caliper alignment is correct, remove the radial mount bracket bolts one at a time, apply red *Loctite*® 271 to the threads, and torque to 77 ft-lb.



Photo 8

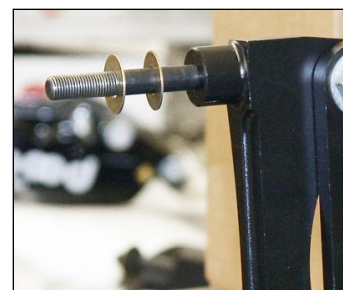


Photo 9

- Remove the caliper center bridge pad retainer bolt, nut, and tube from the caliper. Insert the brake pads (27) into the caliper, with the friction material facing the rotor, as shown in Photo 11. Check that the top of the brake pad is flush with the outside diameter of the rotor, Photo 12. If not, adjust by adding or subtracting shims (26) between the caliper and the bracket. After the caliper pad height is set, torque the caliper lock nuts (24) to 30 ft-lb. Secure the brake pads in place with the center bridge pad retainer tube, bolt, and locknut. The locknut should be snug without play in the bolt or tube. Be cautious not to over tighten.

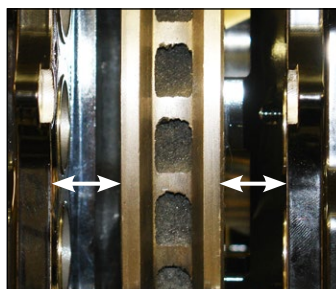


Photo 10

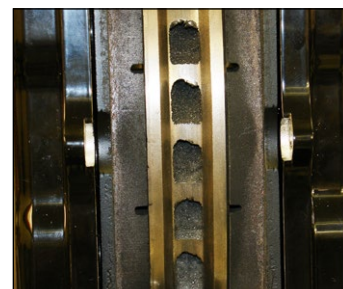


Photo 11

Assembly Instructions (Continued)

- Temporarily install the wheel and torque lug nuts to manufacturer's specification. Ensure that the wheel rotates freely without any interference.

•**NOTE:** The caliper in this brake kit utilizes a 1/8-27 NPT pipe thread inlet. OEM rubber brake hoses generally cannot be adapted to Wilwood calipers. The preferred method is to use steel adapter fittings at the caliper, either straight, 45 or 90 degree (use PTFE tape on pipe threads for proper sealing to caliper) and enough steel braided line to allow for full suspension travel and turning radius, lock to lock. **Carefully route hoses to prevent contact with moving suspension, brake or wheel components.** **NOTE:** Wilwood hose kits are designed for use in many different vehicle applications and it is the installer's responsibility to properly route and ensure adequate clearance and retention for brake hose components. Wilwood offers universal brake flex line hose kits, both domestic (3/8-24 IF) and metric (10mm x 1.0), order:

P/N 220-7056 for the 14 inch length domestic, 3/8-24 IF

P/N 220-7699 for the 16 inch length domestic, 3/8-24 IF

P/N 220-8307 for the 18 inch length domestic, 3/8-24 IF

P/N 220-8338 for the 14 inch length metric, 10mm x 1.0

P/N 220-6856 for the 18 inch length metric, 10mm x 1.0

Hose kits include hoses, fitting, etc., all in one package for this application.

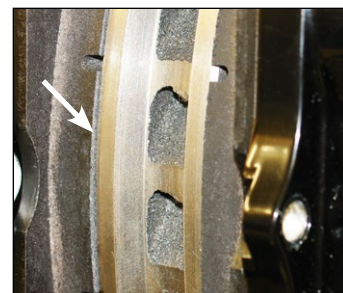


Photo 12

•**NOTE:** Specified brake hose kits may not work with all Years, Makes and Models of vehicle that this brake kit is applicable to, due to possible OEM manufacturing changes during a production vehicle's life. It is the installer's responsibility to ensure that all fittings and hoses are the correct size and length, to ensure proper sealing and that they will not be subject to crimping, strain and abrasion from vibration or interference with suspension components, brake rotor or wheel.

•In absence of specific instructions for brake line routing, the installer must use his best professional judgment on correct routing and retention of lines to ensure safe operation. Test vehicle brake system per the 'minimum test' procedure stated within this document before driving. After road testing, inspect for leaks and interference. Initially after install and testing, perform frequent checks of the vehicle brake system and lines before driving, to confirm that there is no undue wear or interference not apparent from the initial test. Afterwards, perform periodic inspections for function, leaks and wear in a interval relative to the usage of vehicle.

•Bleed the brake system, referring to the additional information and recommendations on page 7 for proper bleeding instructions. Check system for leaks after bleeding.

•Install the wheel and torque lug nuts to manufacturer's specification.

•Bed-in the brake pads per the procedure on page 8.

Balancing the Brake Bias on 4 Wheel Disc Vehicles

•OE Style or Single Mount Race Pedal with Tandem Outlet Master Cylinder:

Front to rear caliper piston sizes, rotor diameters, and pad compounds must be initially configured to provide the correct range of vehicle bias when using a single bore / tandem outlet master cylinder. If excessive rear brake bias is experienced, an inline adjustable proportioning valve can be used to decrease the rear line pressure to help bring the vehicle into balance. If excessive front brake bias is experienced, first consideration should be given to increasing the rear brake bias to bring the vehicle into overall balance.

•Race Pedal with Dual Master Cylinders and Balance Bar:

Master cylinders must be sized to match the calipers and allow the pedal balance bar to operate near the center of its travel. If it is not possible to fine tune the bias within the adjustable range of the balance bar, then consideration must be given to changing a master cylinder bore size or some other aspect of the brake system to bring the car into balance. Larger bore master cylinders will generate less pressure while decreasing pedal travel. Smaller bores master cylinders will generate higher line pressures with an increase in pedal travel.

Additional Information and Recommendations

• Fill and bleed the new system with Wilwood Hi-Temp° 570 grade fluid or higher. For severe braking or sustained high heat operation, use Wilwood EXP 600 Plus Racing Brake Fluid. Used fluid must be completely flushed from the system to prevent contamination.
NOTE: *Silicone DOT 5 brake fluid is **NOT** recommended for racing or performance driving.*

• To properly bleed the brake system, begin with the caliper farthest from the master cylinder. Bleed the outboard bleed screw first, then the inboard. Repeat the procedure until all calipers in the system are bled, ending with the caliper closest to the master cylinder.
NOTE: *When using a new master cylinder, it is important to bench bleed the master cylinder first.*

• If the master cylinder is mounted lower than the disc brake calipers, some fluid flowback to the master cylinder reservoir may occur, creating a vacuum effect that retracts the caliper pistons into the housing. This will cause the pedal to go to the floor on the first stroke until it has “pumped up” and moved all the pistons out against the pad again. A Wilwood in-line two pound residual pressure valve, installed near the master cylinder will stop the fluid flowback and keep the pedal firm and responsive.

• Test the brake pedal. It should be firm, not spongy and stop at least 1 inch from the floor under heavy load.

If the brake pedal is spongy, bleed the system again.

If the brake pedal is initially firm, but then sinks to the floor, check the system for fluid leaks. Correct the leaks (if applicable) and then bleed the system again.

If the brake pedal goes to the floor and continued bleeding of the system does not correct the problem, a master cylinder with increased capacity (larger bore diameter) will be required. Wilwood offers various lightweight master cylinders with large fluid displacement capacities.

• Check your wheel offset before final assembly.

• On some models of disc brake spindles there are “ears” where the OEM calipers were mounted and these “ears” interfere with the assembly of the Wilwood disc brake kit. If it becomes necessary to remove these “ears”, remove as little as possible being careful not to cut away any of the mounting holes that may be required to bolt on the caliper mounting bracket.

• If after following the instructions, you still have difficulty in assembling or bleeding your Wilwood disc brakes, consult your local chassis builder, or retailer where the kit was purchased for further assistance.

Brake Testing

WARNING • DO NOT DRIVE ON UNTESTED BRAKES BRAKES MUST BE TESTED AFTER INSTALLATION OR MAINTENANCE MINIMUM TEST PROCEDURE

- Make sure pedal is firm: Hold firm pressure on pedal for several minutes, it should remain in position without sinking. If pedal sinks toward floor, check system for fluid leaks. DO NOT drive vehicle if pedal does not stay firm or can be pushed to the floor with normal pressure.
- At very low speed (2-5 mph) apply brakes hard several times while turning steering from full left to full right, repeat several times. Remove the wheels and check that components are not touching, rubbing, or leaking.
- Carefully examine all brake components, brake lines, and fittings for leaks and interference.
- Make sure there is no interference with wheels or suspension components.
- Drive vehicle at low speed (15-20 mph) making moderate and hard stops. Brakes should feel normal and positive. Again check for leaks and interference.
- Always test vehicle in a safe place where there is no danger to (or from) other people or vehicles.
- Always wear seat belts and make use of all safety equipment.

Pad and Rotor Bedding

BEDDING STEPS FOR NEW PADS AND ROTORS – ALL COMPOUNDS

Once the brake system has been tested and determined safe to operate the vehicle, follow these steps for the bedding of all new pad materials and rotors. These procedures should only be performed on a race track, or other safe location where you can safely and legally obtain speeds up to 65 MPH, while also being able to rapidly decelerate.

- Begin with a series of light decelerations to gradually build some heat in the brakes. Use an on-and-off the pedal technique by applying the brakes for 3-5 seconds, and then allow them to fully release for a period roughly twice as long as the deceleration cycle. If you use a 5 count during the deceleration interval, use a 10 count during the release to allow the heat to sink into the pads and rotors.
- After several cycles of light stops to begin warming the brakes, proceed with a series of medium to firm deceleration stops to continue raising the temperature level in the brakes.
- Finish the bedding cycle with a series of 8-10 hard decelerations from 55-65 MPH down to 25 MPH while allowing a proportionate release and heat-sinking interval between each stop. The pads should now be providing positive and consistent response.
- If any amount of brake fade is observed during the bed-in cycle, immediately begin the cool down cycle.
- Drive at a moderate cruising speed, with the least amount of brake contact possible, until most of the heat has dissipated from the brakes. Avoid sitting stopped with the brake pedal depressed to hold the car in place during this time. Park the vehicle and allow the brakes to cool to ambient air temperature.

COMPETITION VEHICLES

- If your race car is equipped with brake cooling ducts, blocking them will allow the pads and rotors to warm up quicker and speed up the bedding process.
- Temperature indicating paint on the rotor and pad edges can provide valuable data regarding observed temperatures during the bedding process and subsequent on-track sessions. This information can be highly beneficial when evaluating pad compounds and cooling efficiencies.

POST-BEDDING INSPECTION – ALL VEHICLES

- After the bedding cycle, the rotors should exhibit a uniformly burnished finish across the entire contact face. Any surface irregularities that appear as smearing or splotching on the rotor faces can be an indication that the brakes were brought up to temperature too quickly during the bedding cycle. If the smear doesn't blend away after the next run-in cycle, or if chatter under braking results, sanding or resurfacing the rotors will be required to restore a uniform surface for pad contact.

PRE-RACE WARM UP

- Always make every effort to get heat into the brakes prior to each event. Use an on-and-off the pedal practice to warm the brakes during the trip to the staging zone, during parade laps before the flag drops, and every other opportunity in an effort to build heat in the pads and rotors. This will help to ensure best consistency, performance, and durability from your brakes.

DYNO BEDDED COMPETITION PADS AND ROTORS

- Getting track time for a proper pad and rotor bedding session can be difficult. Wilwood offers factory dyno-bedded pads and rotors on many of our popular competition pads and **Spec 37** GT series rotors. Dyno-bedded parts are ready to race on their first warm up cycle. This can save valuable time and effort when on-track time is either too valuable or not available at all, Dyno-bedding assures that your pads and rotors have been properly run-in and are ready to go. Contact your dealer or the factory for more information on Wilwood Dyno-Bedding services.

NOTE: NEVER allow the contact surfaces of the pads or rotors to be contaminated with brake fluid. Always use a catch bottle with a hose to prevent fluid spill during all brake bleeding procedures.

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Associated Components

<u>PART NO.</u>	<u>DESCRIPTION</u>
260-13706	Wilwood Residual Pressure Valve (2 lb for disc brakes)
260-13707	Wilwood Residual Pressure Valve (10 lb for drum brakes)
260-8419	Wilwood Proportioning Valve, Knob Style
260-8420	Wilwood Proportioning Valve, Lever Style
260-11179	Wilwood Combination Proportioning Valve with Brake Light Switch
290-0632	Wilwood Racing Brake Fluid (Hi-Temp° 570) (12 oz)
290-6209	Wilwood Racing Brake Fluid (EXP 600 Plus) (16.9 oz)
150-9488K	BP-10 Street Performance / Racing Brake Pads • Baseline Pad for Track Oriented Street Cars
150-12251K	BP-40 High Temperature Racing Brake Pads • Race Only Pad for Severe Duty Oval, Road Course, or Off Road
220-7056	Stainless Steel Braided Flexline Kit, Universal, 14-inch, domestic, 3/8-24 IF
220-7699	Stainless Steel Braided Flexline Kit, Universal, 16-inch, domestic, 3/8-24 IF
220-8307	Stainless Steel Braided Flexline Kit, Universal, 18-inch, domestic, 3/8-24 IF
220-11238	Stainless Steel Braided Flexline Kit, Universal, 20-inch, domestic, 3/8-24 IF
220-11237	Stainless Steel Braided Flexline Kit, Universal, 22-inch, domestic, 3/8-24 IF