

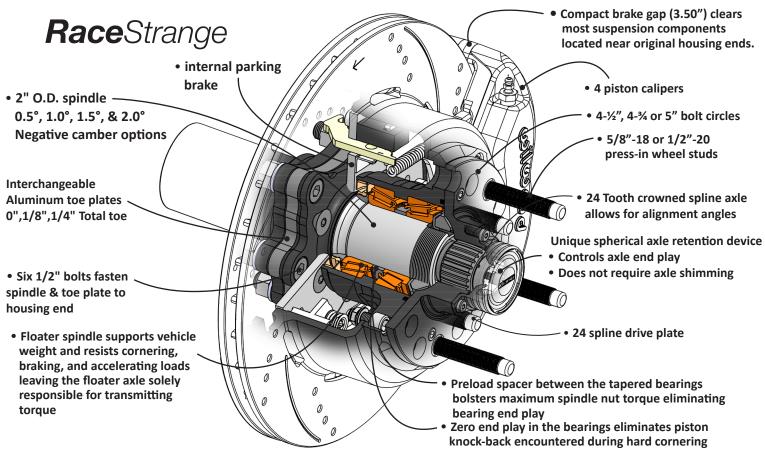
F5012 CAMBERED STREET FLOATER KIT

Installation to be performed by a qualified technician.

Optional Brake Kit

B2712WC B2711WC B2711WCR B2714WC B2714WCR

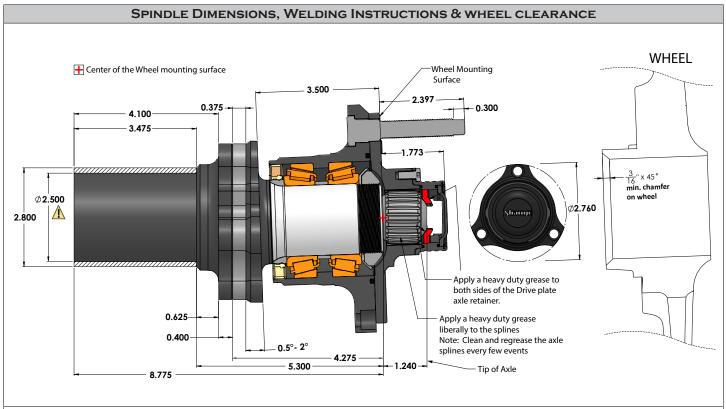
black calipers & 11.00" brake discs black calipers & 12.19" brake discs red calipers & 12.19" brake discs black calipers & 14.00" brake discs red calipers & 14.00" brake discs



FF010 Kin Covinnia					PART#	QTY	DESCRIPTION
F5012 KIT CONTENTS				20	F5056J	2	Oil Seal
ITEM#	PART#	QTY	DESCRIPTION	21	F5056B	2	Spindle ring
1	F5060W	2	Spirolock	22	F1237D	10	FHSCS
2	F5060S	2	Drive plate cap	23	F5060X	12	1/2-20 X 2" FHSCS 0.700" OD
3	F5056L	4	10-24 x 1/2" SHCS	24a	F5060G20	2	2.0 degree Cambered Spindle
4	F5060TT	2	Axle retaining bolt	24b	F5060G15	2	1.5 degree Cambered Spindle
5	F5060R	2	Drive plate axle retainer	24c	F5060G10	2	1.0 degree Cambered Spindle
6	A1050E	4	O-Ring #30	24d	F5060G05	2	0.5 degree Cambered Spindle
7	A1050DL	6	1/4-28 x 5/8" SHCS	25a	F5060P	2	Toe plate - Zero toe
8	F5060A	2	Drive plate	25b	F5060P16	2	Toe plate - 1/16" Individual toe
9	A1024B	2	-237 O-ring				(1/8" - Total toe)
10	F5056C	2	Spindle nut	25c	F5060P18	2	Toe Plate - 1/8" Individual toe
11	F5056D	2	Spindle nut retainer				(1/4" - Total toe)
12	N1948	4	Timkin LM104949	26	A1023R	4	O-ring #144
13	F5056E	2	Preload Spacer	27	F5060V	12	Self Aligning washer
14	F5056H	2	Hub	28	F5060Y	12	1/2-20 Locknut
15	N1949	4	Timkin LM104911	29	F5060Q	2	Cambered Spindle Weld Flange
16	A3164A	10	Wheel Stud	30	F5056W	1	Spindle Wrench
17	F5056K	10	3/8-24 x 3/4 SHCS	31	F5056O	2	ABS sensor screw (optional)
18	S3402N	10	3/8 AN Washer	32	F5056N	2	ABS sensor spacer (optional)
19	F1282	10	3/8-24 Jet Nut	33	F5056M	2	Reluctor ring (optional)

Jan 4, 2021 1





NOTE: 2.50" inside diameter of housing tubes may vary. Please refer to step # 2 for instructions.

The dimensions above apply to all kits with either ½" or ¾" wheel studs.

Ensure wheels will fit this kit.

The wheel bore must be greater than 2.760 as shown. In addition, the chamfer shown must be 3/16 or greater.

WELDING GUIDELINES

A professional and qualified chassis shop MUST perform the welding of the spindles to the housing tubes. This is very important due to the fact that if care is not taken in this crucial step leaks can occur, the axles could bind, and erratic handling could result from misaligned spindles.

For flange weld orientation go to page 4.

- 1. All spindles are constructed from normalized aircraft quality 4130 hot rolled steel. The spindles are black oxidized for cosmetic purposes which does not effect the welding process.
- 2. The street floater spindles have 2.800" outside diameter that must be turned down to fit the specific housing tube inside diameter. Typically the inside diameter is 2.50" but can vary. A suggested starting point is to turn the spindle down 0.001" smaller than the measured housing tube inside diameter for a slip-fit leaving 0.625" un-machined from the backside of the flange as shown. This will provide a stop against the housing tube and give sufficient clearance to weld the spindle to the housing tube. Once both spindles fit into the housing, a line up bar must be used to verify straightness. If the line up bar does not pass through both spindles, then the outside diameter of the spindles must be turned down further and checked again with the line up bar. Do not turn down the diameter more than necessary.
- **3.** Drill Ø0.375" to Ø0.500" holes in the housing tube only (**not the spindle**) to facilitate plug welding. Drill two holes 180 degrees to each other in two locations (four holes per spindle) where feasible.
- **4.** Weld the spindle 360 degrees to the end of the housing tube. The weld must be leak free.



Installation Notes

- Clevis and cable kit which attach to the parking brake assembly are not included in Wilwood parking brake kit. Contact Wilwood to order cable kit separately.
- Use the assembly diagram shown on page 5 to install the components. If you have any questions, concerns or comments please feel free to contact Strange Engineering.
- For specific brake information including wheel clearance and brake testing please refer to Wilwood instructions on thier website.
- Prior to installing the bearings (12), ensure to pack the bearings with a high quality wheel bearing grease (NLGI #1 or NLGI #2). A bearing packer is recommended. Otherwise, work as much grease as possible by hand around the rollers.
- Apply a heavy duty grease to the drive plate axle retainer (5) and librally onto the axle splines
- After installation rotate the hub and ensure all the components have seated properly.

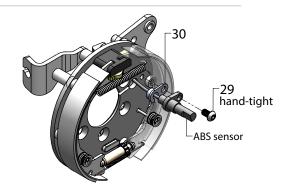
Note: Axle splines need to be cleaned and re-greased every few events.

Hub Seal Installation



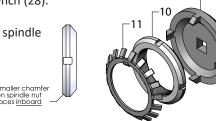
Ford Mustang ABS Sensor Information

- ABS sensor must be installed before mounting the parking brake assembly on the spindle
- Parking brake assembly will have to be disassembled to install the sensor.
- 2011- 2014 Mustang will use sensor spacer (30)
- 2005- 2010 Mustang will not use sensor spacer



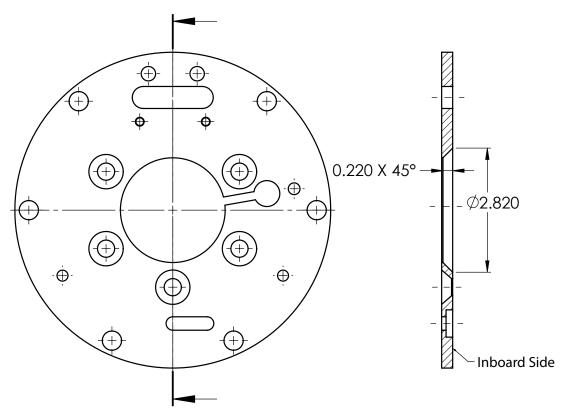
Axle Nut Installation

- 1. Ensure the tab on the inside diameter of the spindle nut retainer (11) slides into the grove of the spindle shaft.
- 2. The spindle nut is installed using the spindle nut wrench (28). Torque the spindle nut to 50-60 ft-lbs.
- 3. Bend one of the tabs on the outside diameter of the spindle nut retainer (11) into the slots on the spindle nut.





Backing plate modification F5060Z



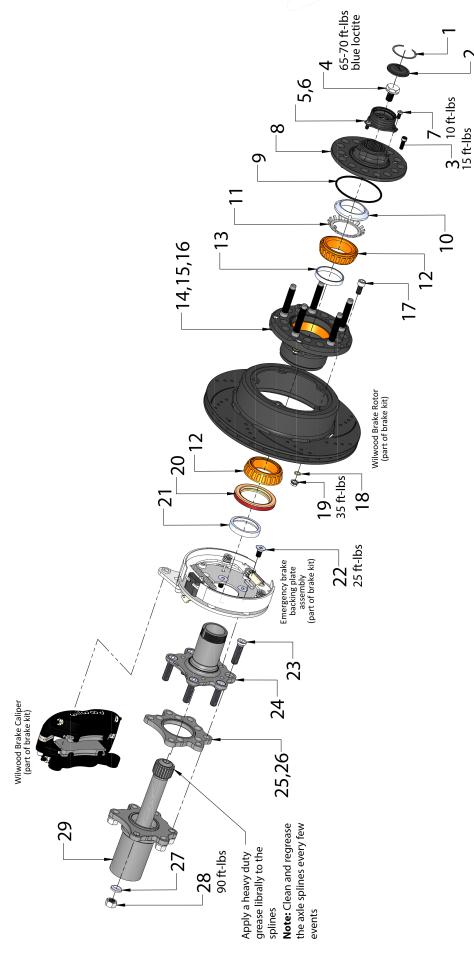
• Modification is required for the backing plate to clear the radius on the cambered spindle face

Flange welding Orientation

Position and weld the flange horizontal to the ground, independent of pinion angle at ride height.

Sirange

Exploded View of Cambered Street Floater Assembly



Sirange

Camber Angle Range

