

SKR 19" rear wheel conversion kit

Updated 12/14/16

Street trackers, Dirt track racers and Hooligan racers need 19" wheels on the rear so they can get traction with dirt track tires. These kits permit using a 19" Sportster front wheel on the rear. The Sportster front wheel was originally tapped for 5/16 cap screws to mount the rotor. Harley used 7/16"-14 cap screws on the rear wheel. 5/16" screws have proven to be too weak to handle extra horsepower Sportys, rigid frame Sportsters and ones used in racing...so, you have to make larger holes in your wheel-read below

Kit for 9 spoke cast wheel \$299

Kit fits Evos up to 1995 and includes all the spacers, bearings and fasteners you'll need. You'll need to find 19" Sportster front wheel. Kit works with belt or chain. Kit for 1.980 or 2.33* wheel contains. Big spacers have been drilled for 7/16 screws:

- [2] 1 1/4" small end spacers
- [10] 7/16-14 Allen cap screws
- [1] 5" Long spacer between bearings
- [2] "Jeff" rings for 1.98" wide hub
- [1] 1 1/32 x 4 1/2" Big Spacer, narrower. For rotor (left) side
- [1] #6204 sealed bearing-left side
- [1] 1 1/4 x 4 1/2" Big Spacer, wider. For sprocket (right) side
- [2] #6204 sealed bearings-drive side

The 5/16" holes in your front wheel have to be drilled and tapped for 7/16-14 cap screws in kit. Have the machining done locally or I will have it done for \$65 and spoked wheel for \$85

Tires

The best dirt track tires you can use are Chris Carr's Italian Golden tires. They are DOT approved, have a harder longer lasting compound and are cheaper than Goodyears or Dunlops by about a 100 bucks.

Chris Carr, 14 Glenview Dr., Fleetwood, PA 19522. 610-888-3518.

ccarr41197@aol.com. About \$351.91 to your door. GoldenTyre front 27" x 7" x 19" medium (CC5), GoldenTyre rear 27.5" x 7.5" x 19" hard (CC6). You will need to use a powered hand sander to knock 1/8" off the corner edges the front tire only. Start with course and finish with fine and no one will see the change. There other dirt track tire brands available

* The 9 spoke cast wheel came in two varieties. Both hubs had collars around the bearing. One is 1.98" OD, the other is 2.333". I made this kit for the larger diameter hub. To fill the gap for the smaller hub we supply "Jeff" rings-that's my machinists name and there is no confusion when I order "Jeff spacers" from him.

Instructions-wheel prep

To make a 19" Harley wheel worthy for the rear of your Sportster, here are some recommended steps to take because these 25 year old wheels often are not pristine.

- 1) 9 spoke 19" front wheels with $\frac{3}{4}$ " axles. Remove stock bearings-you don't have to remove the races. You may have to turn this over to a bike shop unless you've pounded out bearing this before without destroying the host wheel
- 2) All 19" wheels- you'll need to drill and tap the $\frac{5}{16}$ " threaded holes out to accept $\frac{7}{16}$ "-14 screws I supply
- 3) Subject your wheel to the parts washer and remove the dirt and bearing grease
- 4) For a painted wheel talk to your polisher and bead blaster before conducting this step...
 - A) Hire a metal polisher to remove scratches and dings from side wall. Have side walls brightened to new
 - B) Ask your blaster what kind of tape to use to cover and protect your new side walls. He probably has some green tape that does the job. Have the rest of the wheel bead blasted
 - C) Re-mask your side walls before painting. Auto wet paint works just fine-no screaming need for powder coating.

Instructions-mounting a big tire on a narrow rim

If you don't communicate the following to your tire guy-you'll find him in the rafters mumbling to himself with his pants off and throwing 1" nuts at you the next time you go back.

- 1) Remove valve stem
- 2) Slobber mounting solution liberally to rim and tire
- 3) Introduce air in one great rush and stop when you hear the sound like a shotgun going off. If he isn't ready for the sound he'll load his pants-so warn him upfront

Instructions spacer kit

1. Your wheel has a bearing retaining collar. It fits inside my big flanges with or without the Jeff spacers. It is likely that collar has been abused over the years and to make it fit, you may have to dress it with a file. No big deal
2. I have already pressed the bearings into the large hubs-two in the drive side, one on the brake side. Assemble large spacers to the wheel with socket cap screws. **Use LocTite for safety** but don't forget to...
3. Insert longest "crush" spacer into hub between the bearings
4. Affix sprocket and disc onto large spacers with stock bolts.
5. Mount your tire and balance the wheel.

6. Install wheel on bike

A small warning (using a 9 spoke kit on 1996 to 2004 sportsters)

This 9 spoke conversion kit was designed for 1986 to 1996 Evo Sportsters which came with nine spoke wheels and $\frac{3}{4}$ " axles. I know that 1996 to 2004 Sportsters came with 13 spoke cast wheels also with $\frac{3}{4}$ " axles. Some of you with later bikes will be tempted to use the better looking nine spoke wheels. You can certainly do this but your more modern rotors and sprockets may come with larger center holes and will not kiss fit the large spacers in my nine spoke kit. To accomplish your goal you may have to order early rotors and sprockets too

Thanks Phil PhilLittleRacing.com 952-935-8833 or cell 952-607-6063 12/7

Illustration for 19" kit for 9 spoke cast H-D wheel

