

# OMARS FIBERGLASS COMPANY

## 19" REAR WHEEL CONVERSION KIT

Use this kit to replace the Special's stock 16" cast rear wheel with a 19" dirt track wheel. This kit can also be used to fit a 19" wire wheel to the rear of a Standard but you'll need to purchase the complete disc brake system from a junk yard Special (splined brake shaft, reservoir, lines, caliper, hanger, disc and swing arm).

19" Special wheels (Discs) came on the front of most Yamahas from 1976 to 1980ish. 19" aluminum rimmed/spoked wheels came on Standard 650s from 1974 to 1979. Pick a wheel with unscratched rim edges.

The front rim was originally positioned so the speedo drive was on the left. You are going to flip the wheel for use on the rear-that means the speedo drive is now on the right. So if there is a tread direction on your tire-mount it on a 'flipped' wheel. Remove the speedo parts.

Make sure the 8mm holes go through the hub. If yours does not, you'll need to drill and tap so bolts have maximum purchase and heads can fit flush against sprocket. Protruding bolt heads could bang into the chain guard

Order 19" tires from Johnny Isaacs "the dirt track tire man" Phone # 918-367-1988 (Tulsa). He'll set you up with Goodyear's, Dunlop or Maxxis tires. Tell him you want a 27.0 x 7.0 x 19" tire which inflated on your 1.85 wide rim is 4.844" wide. Your swing arm is 5.7" wide where the fat part of the tire runs.

### Kit contents:

- [1] Center bearing spacer (long unfinished spacer) holds bearings apart
  - [1] Left sprocket/hub spacer (the fattest big spacer)
  - [1] Right disc/hub spacer (the smaller big spacer)
  - [1] Small left outside spacer-the shorter one (put small end to bearing)
  - [1] Small right outside spacer-the longer one (put small end to bearing)
  - [2] #6204 sealed bearings for left side
  - [1] #6204 sealed bearing for right side
  - [6] 8mm x 50mm x 1.25 thread hex head bolts, Grade 8+
  - [6] 8mm x 60mm x 1.25 thread hex head bolts, Grade 8+
  - [1] 34 tooth sprocket from super hard aluminum
- Note**, left/right outside spacers are flanged to eliminating the need for dust seals

## Instructions

1. Press right bearing into hub. Grease hub so bearing has lubrication to ease insertion. I cheat with vice jaws as a press and a big socket to seat bearings. Works like a charm. Keep moving spacer to press on high spot of bearing.
2. Insert longest (unfinished) center bearing spacer into hub
3. Press in the two left side bearings and trap the spacer inside the hub. Make sure center spacer and bearing holes line up-check alignment with the axle.
4. Attach sprocket and biggest spacer to hub with six 8 x 60mm bolts. Use LocTite. The bolts on this side have to be the hex head type for swing arm clearance. Allen bolts are too tall.
5. Attach brake disc and smaller big spacer to hub with six 8 x 50mm bolts. Use plenty of LocTite so bolts don't loosen out and kill you.
6. Insert wheel-to-swing arm spacers with smaller end toward bearing. Short one goes on left, the longer small spacer on right. Insert axle from left side so aligning brake hanger is easier.
7. Mount your tire and balance the wheel. (Paint-match those weights too). That was fairly painless. Now notice how nice that wheel and tire look on your bike. Notice how open that wheel looks with that small 19" hub. Less than 2% of Street Tracker builders have made the finished touch that you have just accomplished. In my way of thinking, your bike is worth more!

## Special wheel:

Polish the rim edge to a chrome-like luster with a buffing wheel. Remove polishing compound residue with a thinner. Mask off the polished edge with tape and sand blast away all black paint. Prime and paint the unmasked wheel to match your bike (black is absolutely not allowed-you do not want to hide your rim-it has to shout "*look at me, I'm absolutely out of this world cool!*") If you are anal like me divide the polished edge and paint with a complimentary colored 1/8 pin stripping tape. (orange with a yellow wheel). You may even want to fine sand the spoke edges to get the aluminum color back.