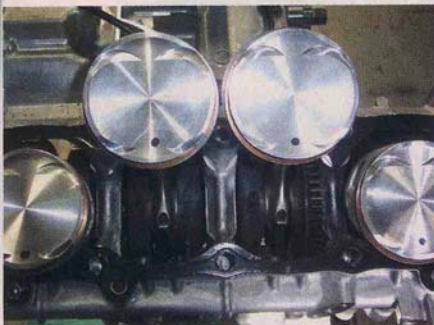




7 Fornarelli Racing has a trick engine stand that now allows Alex to flip the engine over right side up. If you're handy with a saw and welder, you can adapt an automotive engine stand to work the same way.



9 Patience is key. Rough action can easily break or kink a ring. Do the center cylinders first, as shown. If you gently rock the pistons on the pins, the rings will cooperate better. Once you've cleared all the rings on the center two cylinders, gently rotate the crank to do the outer two. Resist the urge to pound on the top of the block to make it go down - rocking and pushing the pistons into the block works better. Finesse is the key.



8 MTC's beautiful Turbo Pistons are fitted with their rings and loaded onto the rods. Be sure to use some assembly lube or oil on the wrist pins. MTC's design uses trick Teflon buttons to locate the heavy-duty MTC pins, so you won't be chasing finicky wire rings flying around the shop. Note that the cylinder base gasket was installed before the pistons (it's hard to get it over the floppy pistons and rings if you do it afterwards).



10 Check out those four gleaming domes! This is where all the action happens, with over 100 horses per hole. Note the large mounting holes; Joey Hahn at Orient machined them to fit those monster Orient bolts.



CHASSIS AND CLUTCH PREPARATION FOR AN 8 SECOND STREETBIKE

NEXT MONTH



11 How's this for beefy? Stock on the left, Orient Express on the right. There's nothing more disappointing than head gasket failures on a high-boost engine, and the clamping force these provide is invaluable.



CONTRIBUTORS

Orient Express: transmission and engine components: (800) 645-6521 www.orientexpress.com

MTC Engineering: piston and clutch technology: (800) 827-9210 www.mtceng.com

Falcon Performance: connecting rods: (727) 797-2468 www.falconcranks.com

Hahn RaceCraft: turbocharging and fuel system components: (630) 553-6830. www.hahnracecraft.com

Next Level Racing: boost control system: (334) 741-7100 www.nlrsystems.com

Trac Dynamics: chassis components: (661) 295-1956. www.tracdynamics.com

Fornarelli Racing: engine assembly services: (847) 697-7300 www.hyperplates.com

Dynojet: Power Commander: (800) 992-4993 www.dynojet.com

Speed Werks: (302) 730-4650. www.speedwerks.com

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