



## Merlin II Restrictor Kit

*The restrictors in this kit are designed to meter the oil delivered to the lifter galleries in the World Products "Merlin II" block. As with all our oil restrictors, they should be used only in engines equipped with mechanical roller lifters. Engines with conventional solid, hydraulic or hydraulic roller lifters should not have the lifter galleries restricted.*

**NOTE:** Installation of this restrictor kit prior to final assembly is preferred but is not absolutely necessary.

### INSTALLATION INSTRUCTIONS

- (1) Test fit each restrictor into its respective hole **without the o-ring installed**. The Long Restrictor in this kit is for the driver's side galley and is designed to pass through two intersecting passageways when installed.
- (2) The Short Restrictor is to be installed (less o-ring) on the passenger's side of the block. It is designed to pass through one passageway before stopping just short of the distributor bore.
- (3) The head of each Restrictor must fit flush with the machined surface of the cam boss when tightened. If it is above the surface of the cam boss, remove the restrictor and carefully tap the hole deeper using a 1/4" NPT pipe tap until the restrictor fits flush.
- (4) If the Restrictor is more than 1/8" below the surface of the cam boss, use Teflon tape on the threads to adjust final fit, during assembly.
- (5) Remove the Restrictors and clean everything.
- (6) Lubricate the o-rings and install them on the Restrictors.
- (7) Use pipe sealant on the threads of the Restrictors if Teflon tape was not used for adjusting fit.
- (8) Carefully work the restrictors past the intersecting oil passages. Use plenty of oil.
- (9) Tighten the restrictors as per trial fit.

**DO NOT OVER TIGHTEN**

For Technical Assistance, Call Moroso's Tech Line at (203) 458-0542, 458-0546 8:30am – 5:00pm Eastern Time

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Phone: (203) 453-6571 • Fax: (203) 453-6906

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