



Oil Restrictor Kit, Ford 302, 351W

Part #22045

The restrictors in this kit are designed to meter the oil delivered to the lifter galleries. 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: Drilling and tapping the block in preparation for the installation of this restrictor kit, must be done prior to cleaning and prepping of engine block.

Installation Instructions

- (1) Remove the core plug from the lifter valley. Refer to fig (1)
Remove this plug
- (2) Using a 15/32" Dia. drill bit, drill the passageway between the top of the block (#1) and the lifter galley. (#2 in photo)
- (3) Tap the hole between the lifter galley (#2) and main galley (#3) using a 7/16-14 tap snapped onto a 6" long, 1/4" drive, extension.
- (4) Clean up any burrs and blow out any metal chips.
- (5) Tap the passageways leading to the cam bearings (smaller of the two holes) with a 5/16" tap on the last 4 mains only. See fig (3)
- (6) Clean chips from passageways.
- (7) Test fit restrictors in tapped holes and remove.
- (8) Send block out for cleaning.
- (9) Install restrictors in their respective holes. Apply a drop of thread lock and screw them in enough to ensure the restrictor sits below the block saddle. See Fig (3) & (4)

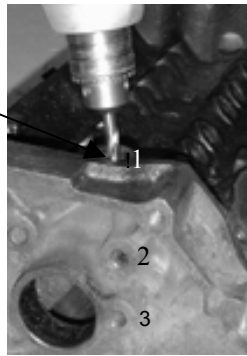


Fig (1)



Fig (2)



Fig (3)



Fig (4)

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

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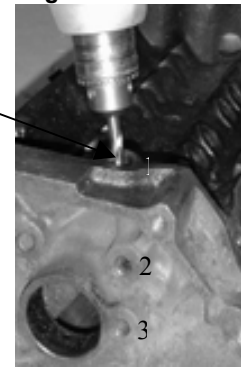


Fig (1)



Fig (2)



Fig (3)



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Oil Restrictor Kit, Dart “Iron Eagle” Ford Part #22045

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NOTE: Drilling and tapping the lifter feed (located at the front and rear of the lifter valley) is not necessary. They are threaded for a 1/8" NPT plug.

Installation Instructions

- (1) Two lifter feed passages are located under the 1/2" NPT Cross Over Plug. (there is a cross over plug located on each end of the motor. See Fig (1))
- (2) There is a threaded portion of the passage between the main oil galley and the passenger side lifter oil galley. This restricts both the left and right lifter galleries.

(Cross Over Plugs)

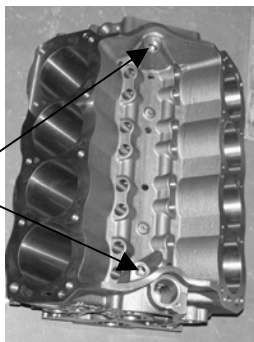


Fig (1)

Note: The Dart Block Main Oil Galley can be fed from the Front or rear of the block. See Fig (2)

- (3) To restrict the lifters, plug the lifter oil galley on the same end you are feeding the main oil Galley from. And install restrictor in the lifter oil galley at the opposite end of the block. Fig (3)
Note: This will ensure priority Main Bearing oiling before feeding oil to the lifters.
- (4) For installation of restrictors, in small holes of main bearing saddles, See Fig (4) Refer to step (5) on reverse of this sheet for installation instructions.



Fig (2)



Fig (3)

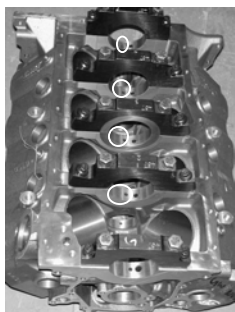


Fig (4)

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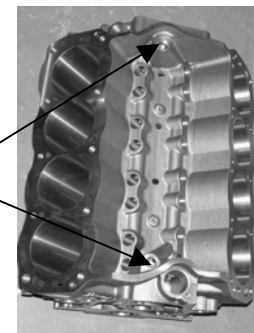


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Fig (3)

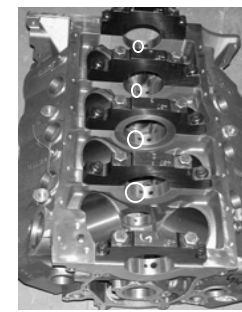


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