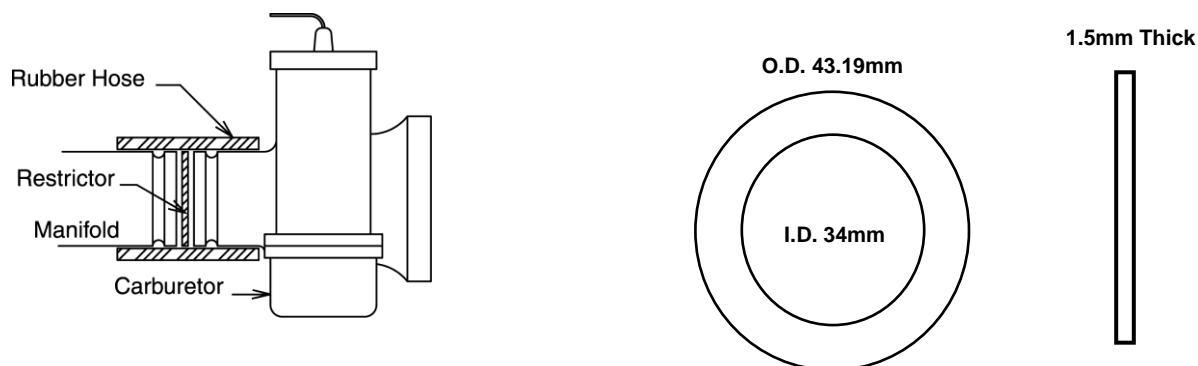


AFT Technical Bulletin #2023-03

To: All Progressive AFT Competitors
Posting Date: 3/7/2023
Effective Date: 5/23/2022
Subject: Harley Davidson XR750 Inlet Restrictor Requirements

Race-only engines may be required to utilize AMA Pro Racing issued intake restrictors. Issued restrictors or their location cannot be modified in any way. The following instructions illustrate the location and installation requirements for all Harley Davidson XR750s. Dimensions subject to change. Comparative performance will be monitored, adjustments may be made during the 2023 season

The AMA Pro-Racing issued restrictor plate is a stainless steel plate containing a round hole in the center of the air path. The hole has square corners with no radius or chamfer on either side. (See illustrations). All intake air for each cylinder must be inducted through these plates. Installation of the restrictor is between the rubber manifold and the cylinder head as illustrated below. Minimum inside diameters must be maintained for a distance of one inch on either side of the restrictor.



Issued restrictor dimensions: O.D. 43.19mm, I.D. 34mm, 1.5mm thick. Tolerance of +/- 0.15mm.

Carburetor Minimum I.D 37.5mm / Maximum I.D. 38.0mm

Allowed Manifold I.D. 34 mm, Tolerance of +/- 0.5mm

The inside diameter of the manifold area (rubber or metal), on the cylinder head side or restrictor plate for a distance of (1") inch is a controlled dimension as well as the inside diameter of the carburetor or throttle body. The intent is to maintain two areas directly on either side of the restrictor that will prevent any form of jetting or flow work that would offset the intended reduction in air flow.

For any additional information or questions please contact David McGrath at dmcgrath@amaproracing.com