

**CYLINDER HEADS, INTAKE MANIFOLDS, AND CLAMPS
1980 1200 AND 1340cc FL AND FX MODELS**

In March, 1980, several modifications were made to the cylinder heads, intake manifolds, and clamps used on late 1980 1200 and 1340cc FL and FX models to improve sealing capabilities.

The cylinder heads now feature a flat (unstepped) mounting surface on the intake port which corresponds to the new flat (unstepped) mounting surface of the intake manifold (see Figure 1 and 2). There are no steps machined into the mounting surfaces.

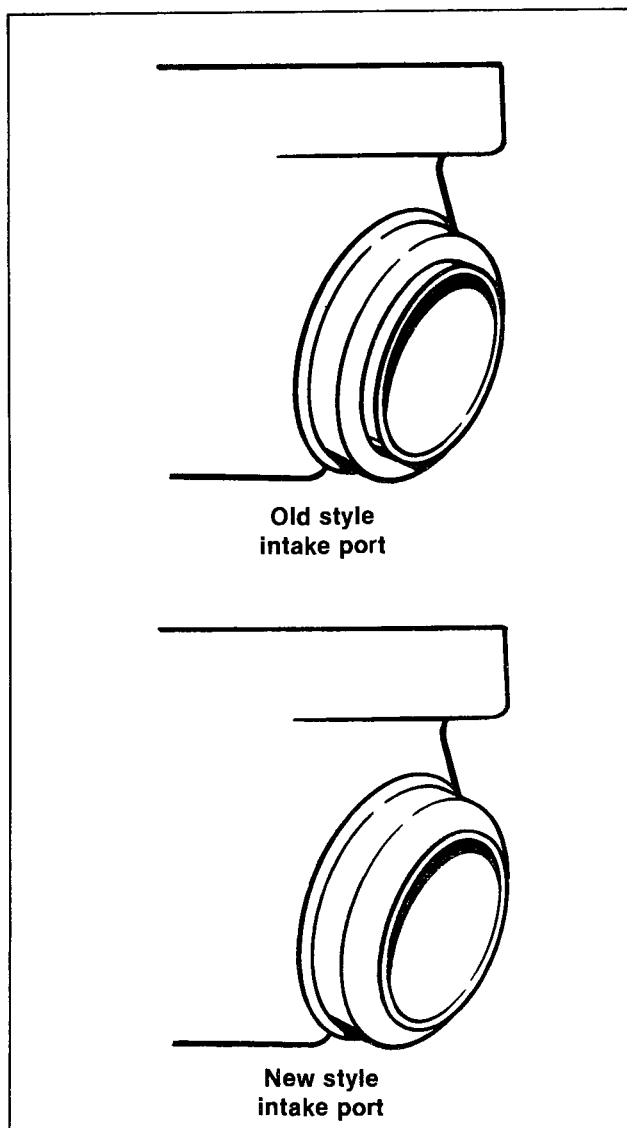


Figure 1. Cylinder Head Intake Ports

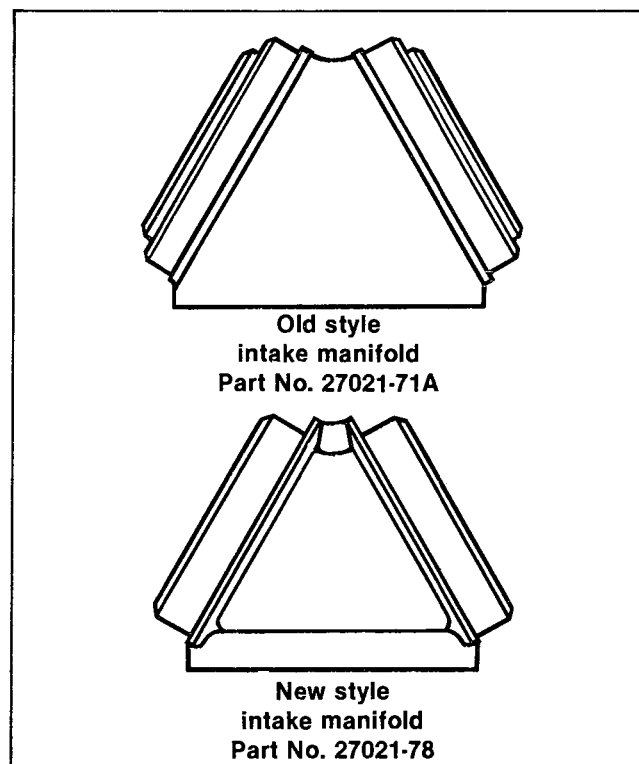


Figure 2. Intake Manifold

To correspond to that, the manifold clamp assembly has also been revised to fit these new mounting surfaces. There now is a slot stamped in the middle of the clamp itself (see Figure 3). This slot has a twofold purpose. First, the slot allows equal sealing pressure to be placed on both the cylinder and the intake manifold and second, the slot makes the clamp much more flexible so that it can shape closer to the mounting surface of the assemblies.

All of these assemblies may be used together, or intermixed with earlier styles, with one exception. The new manifold clamp with the slot CANNOT be used with old style cylinder heads and intake manifolds. The old style components have a wider mounting surface between the two components and the slot in the new clamp could allow the clamp sides to spread apart and lessen sealing pressure.

The part numbers of the new assemblies are as follows:

HARLEY-DAVIDSON MOTOR CO., INC.

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