

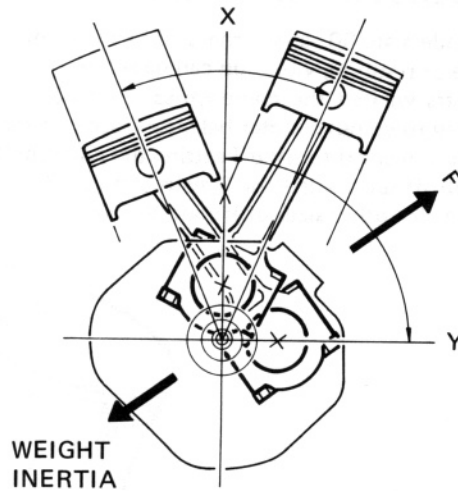
TECHNICAL FEATURES

The primary force of inertia on a single cylinder engine occurs in the direction of the cylinder.

This causes the vibration that some single cylinder engines are known for. When applied to the V-twin engine the following occurs;

The primary force of inertia in directions X and Y combine to produce vector F. Vector F works in the direction between the front and rear crank pin centers.

To balance vector F, the crankshaft flywheels are precisely weighted in the opposite direction. The primary inertia produced by vector F and that of the flywheels oppose each other and cancel out overall primary vibration.



HYDRAULIC VALVE ADJUSTER SYSTEM

The engine is equipped with hydraulic valve tappets. This is the first time hydraulic tappets have been used in a Honda motorcycle engine. Hydraulic tappets do not require adjustment and help the engine to run quieter by keeping valve clearance at zero at all engine temperatures and engine speeds up to redline.

