

Cylinder Block Fitting Parts

- The cylinder block is made of an aluminum alloy to realize a dramatic weight reduction. Furthermore, it has been made compact in terms of both overall length and width as follows: a 60° V6 bank angle, a 36.6mm(1.441in.) bank offset, and a 105.5mm(4.154in.) bore center distance.
- The oil pan consists of a two-piece construction. Oil pan No. 1 is made of an aluminum alloy, and oil pan No. 2 is made of stamped steel sheet. Oil pan No. 1 has built-in stiffeners that tighten the cylinder block and the transaxle case together. This increases the rigidity of the entire power plant, resulting in reduced vibration and weight reduction.
- Appropriate ribs are placed on the outer wall of the cylinder block to increase rigidity.
- An FIPG (Formed-In-Place Gasket), which excels in sealing performance, is used on the mating surfaces of the oil pan.

