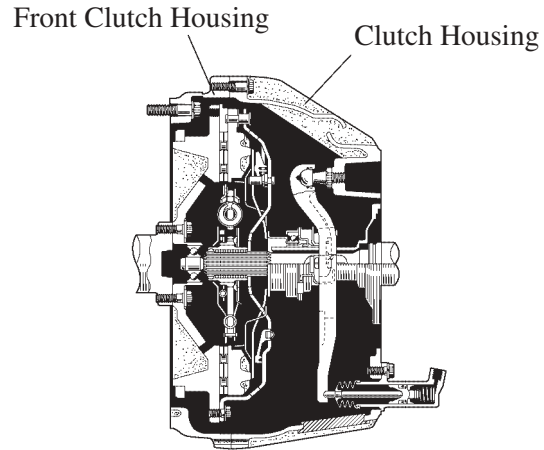


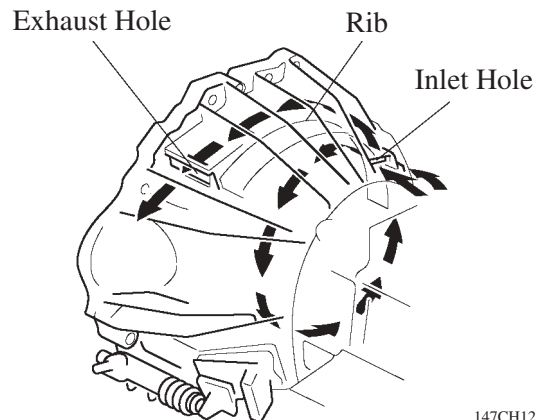
## ■ CLUTCH HOUSING

- The clutch housing for the 2UZ-FE engine model splits into two, the front and rear sections, thus adopting a large-size clutch while keeping compact the portion of the clutch housing that is joined to the engine.



147CH01-2

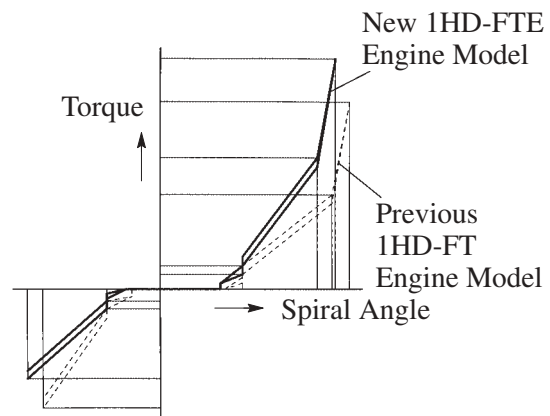
- The shapes of the ribs, intake holes, and exhaust holes of the clutch housing for all models have been optimized to improve the cooling performance in the clutch housing in order to prolong the use life of the clutch disc.



147CH12

## ■ CLUTCH DISC

The spiral characteristics of clutch disc have been changed to reduce the noise and vibration of the drive line for the 1HD-FTE engine model.



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**Spiral Characteristics of Clutch Disc**