



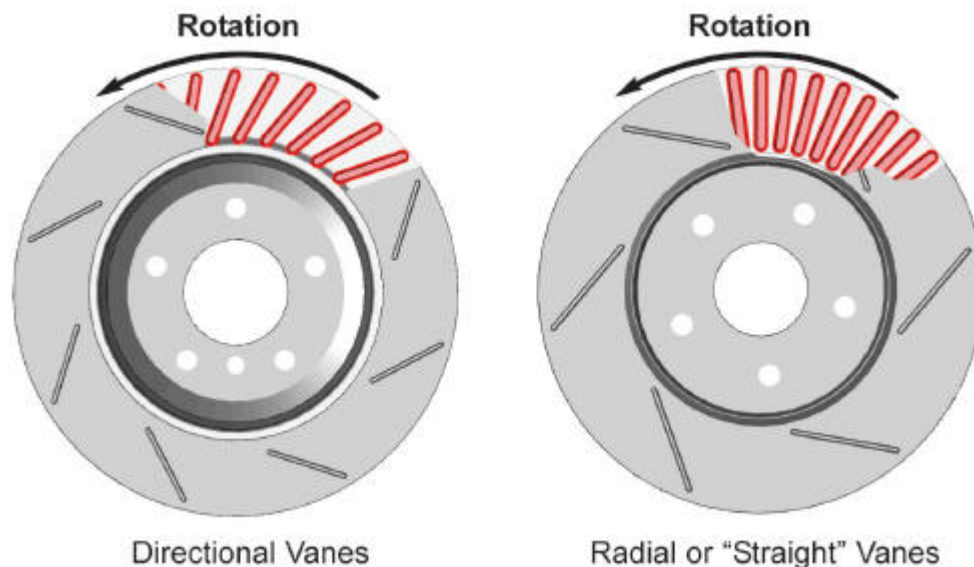
## Installation Instructions - Cross Drilled Rotors

LC Engineering's cross drilled rotors are designed to give you better cooler and less brake fade under extreme braking. To install your new rotors follow your factory service manual procedures (Haynes or Chilton manuals will also work).

It is a popular misconception that drillings in a disc determine the direction of rotation. In truth, for an internally vented drilled disc, the geometry of the vanes dictates the direction of rotation. There are three vane types in use:

- Pillar vane (comprised of many small posts)
- Radial or straight
- Curved vane

The first two vane types are non-directional, and can be used on either side of the vehicle. The curved vane disc, however, is directional. A curved vane disc must be installed with the vanes running back from the inside to the outside diameter of the rotor (see pic below). Orienting the disc in the manner creates a centrifugal pump. The rotation of the disc causes air to be pumped from the center of the disc, through the vanes, and out through the outside diameter of the disc. This greatly enhances the disc's ability to dissipate heat.



**NOTE:** On some 4wd applications you will notice that the disc bolt pattern is not the same as the wheel lug pattern. This is because the rotor bolts to the hub and not through the wheel studs.