V-Twin MFG.
Variable Pressure Clutch (VPC) For use on 1998 and up Big twins
VT No. 18-0674, up to 96" with stock clutch spring or 110" with Heavy Duty clutch spring
VT No. 18-0677, up to 103" with stock clutch spring or 124" with Heavy Duty clutch spring
This is a custom application and should only be installed by a knowledgeable & trained motorcycle technician.
V-Twin Mfg. accepts no responsibility for improper installation

NOTE: Several Harley Davidson and some after market derby covers will not fit using the VPC clutch. On 1998 3 hole derby covers using VT No. 18-0677 will require grinding on back of derby cover for clearance. A template is provided to check fit.

1. Remove the derby cover and stock spring plate. Break loose all six screws on the spring plate and back them out evenly Once they are clear of the spring plate, they can be removed with your fingers.

2. The spring plate is now free to be removed from the clutch.
NOTE: If replacing the diaphragm clutch it will be necessary to remove the primary cover. Refer to the service manual on primary cover removal.
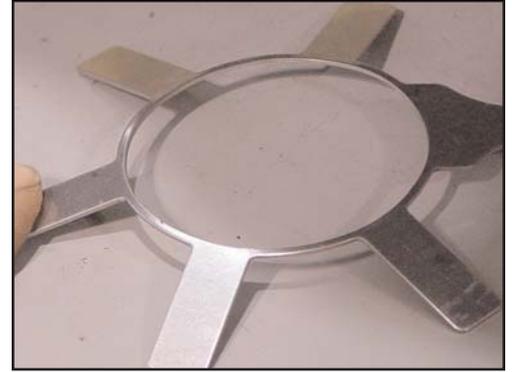
3. The spider that comes with the kit as a flat piece of steel needs to have its fingers or tangs bent a little to conform with the curve of the stock diaphragm spring.

4. Place the spider inside the clutch spring with the fingers pointing out as shown. The spider can be manipulated through the slots in the diaphragm spring without removal.

5. Install the VPC onto the pressure plate using the six metric Allen cap screws and washers supplied in the kit.



6. Check the movement of each weighted arm for freedom of movement. Insure the arms are riding on the spider fingers.

7. The VPC comes with a replacement O ring in the kit for the derby cover. Some late-model big twins use a full circle gasket. The full circle gasket center must be cut to allow for clearance as shown.
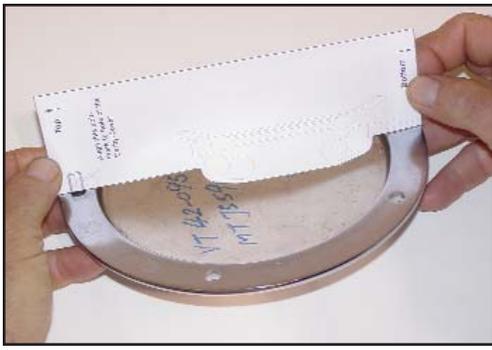
8. Install the derby cover.

Top ↑

Align this bolt-mark to hole of the Derby-Cover

Cut Line

Bottom ↓
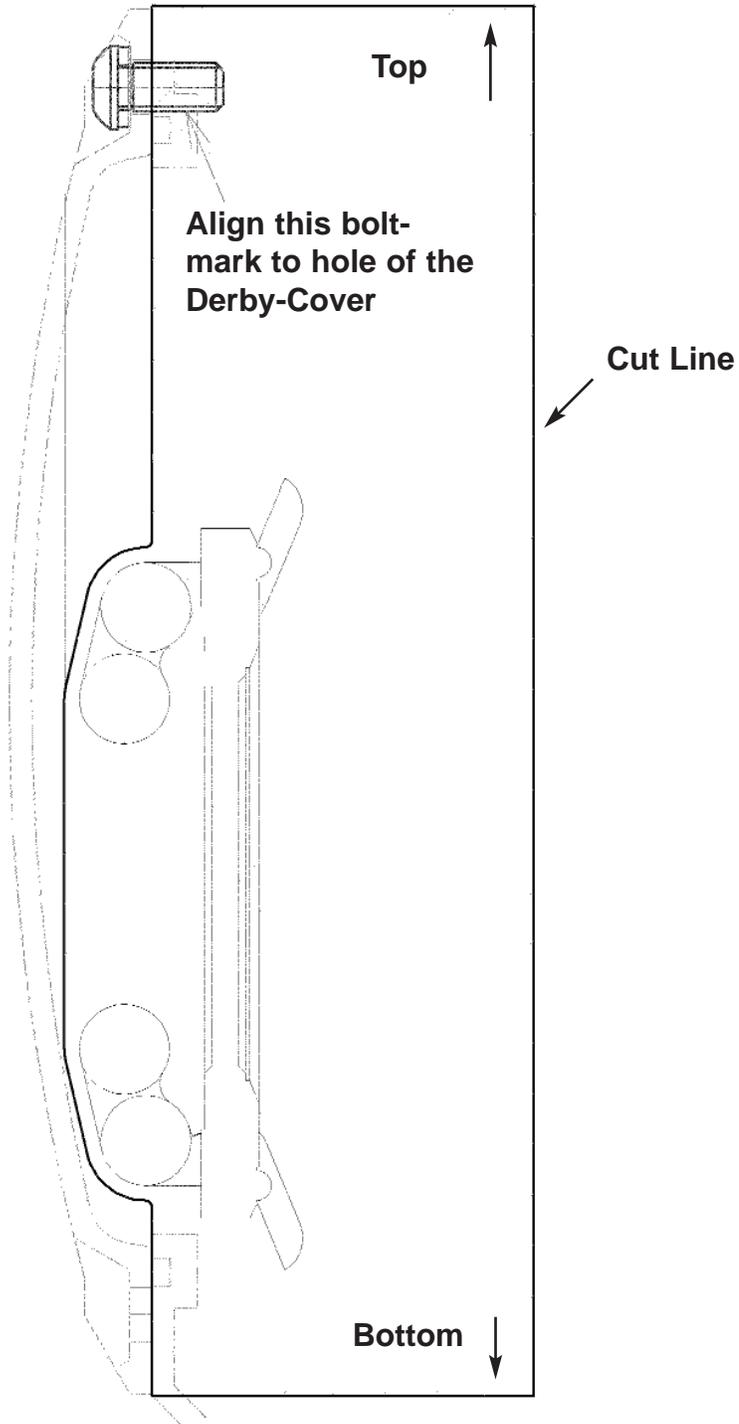
To check the clearance between the VPC and Derby Cover. Cut the "Template" and Follow along the Cut Line