

# BMAC Tech Tips

***Drill your own disc brake rotors !***

***Be the envy of your friends, make  
your bike standout !***

March 5, 2016



Many older bikes have solid brake discs

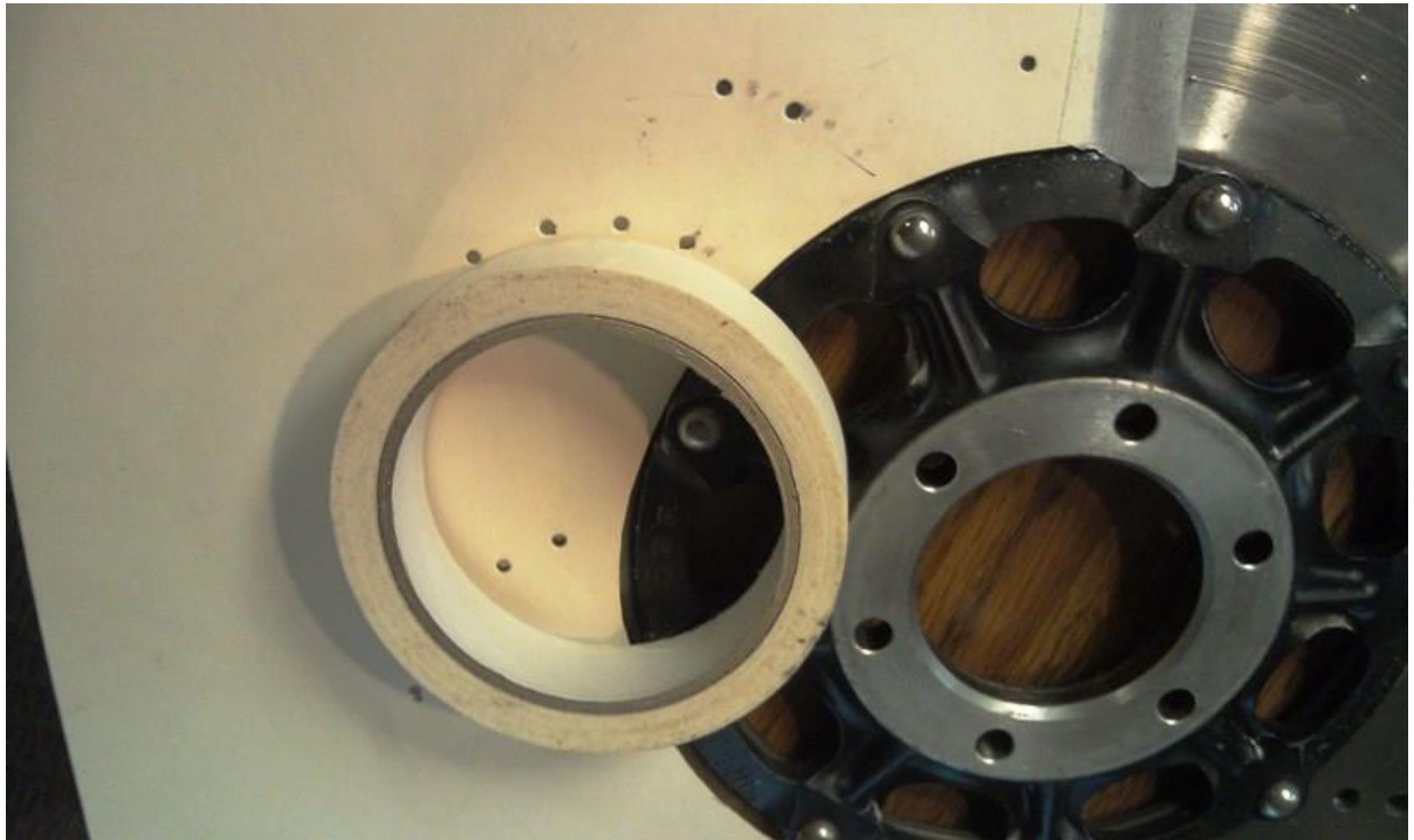
*CB750 Honda front disc shown above*

# ***Why drill holes in a brake disc ?***

- Increases disc cooling
- Reduces weight
- Greatly improves wet weather braking
- Looks really cool !



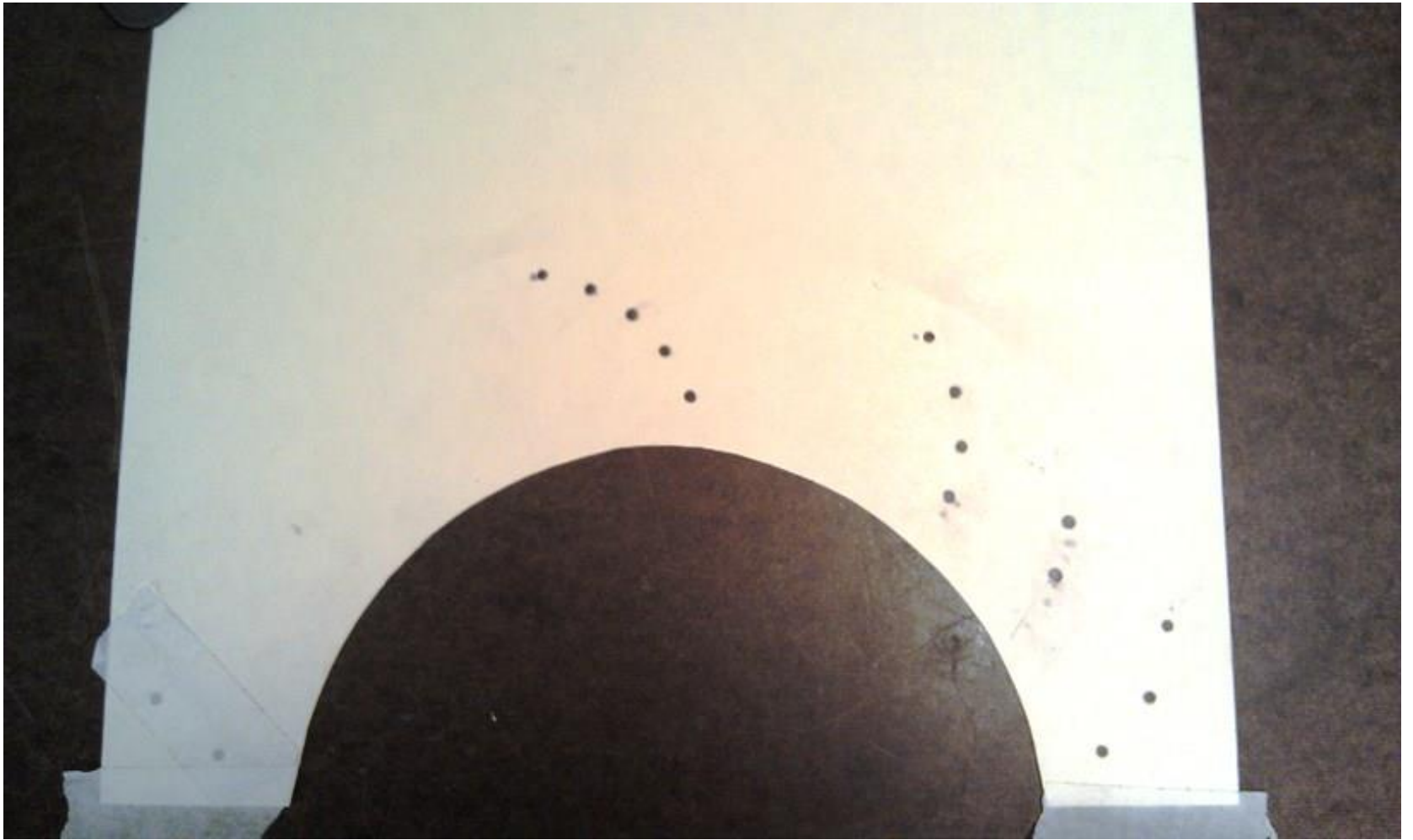
Remove and clean disc



- Develop your hole pattern
- Assymetrical patterns are best



- Check the internet for patterns
- Symmetrical patterns can create resonances and noise while braking
- I designed my own curved 3 hole, 4 hole, 5 hole pattern
- Then I added a 2 hole pattern between the 3/4/5 pattern



Final pattern chosen



You'll need a hammer & center punch





Center punch the pattern onto the disc

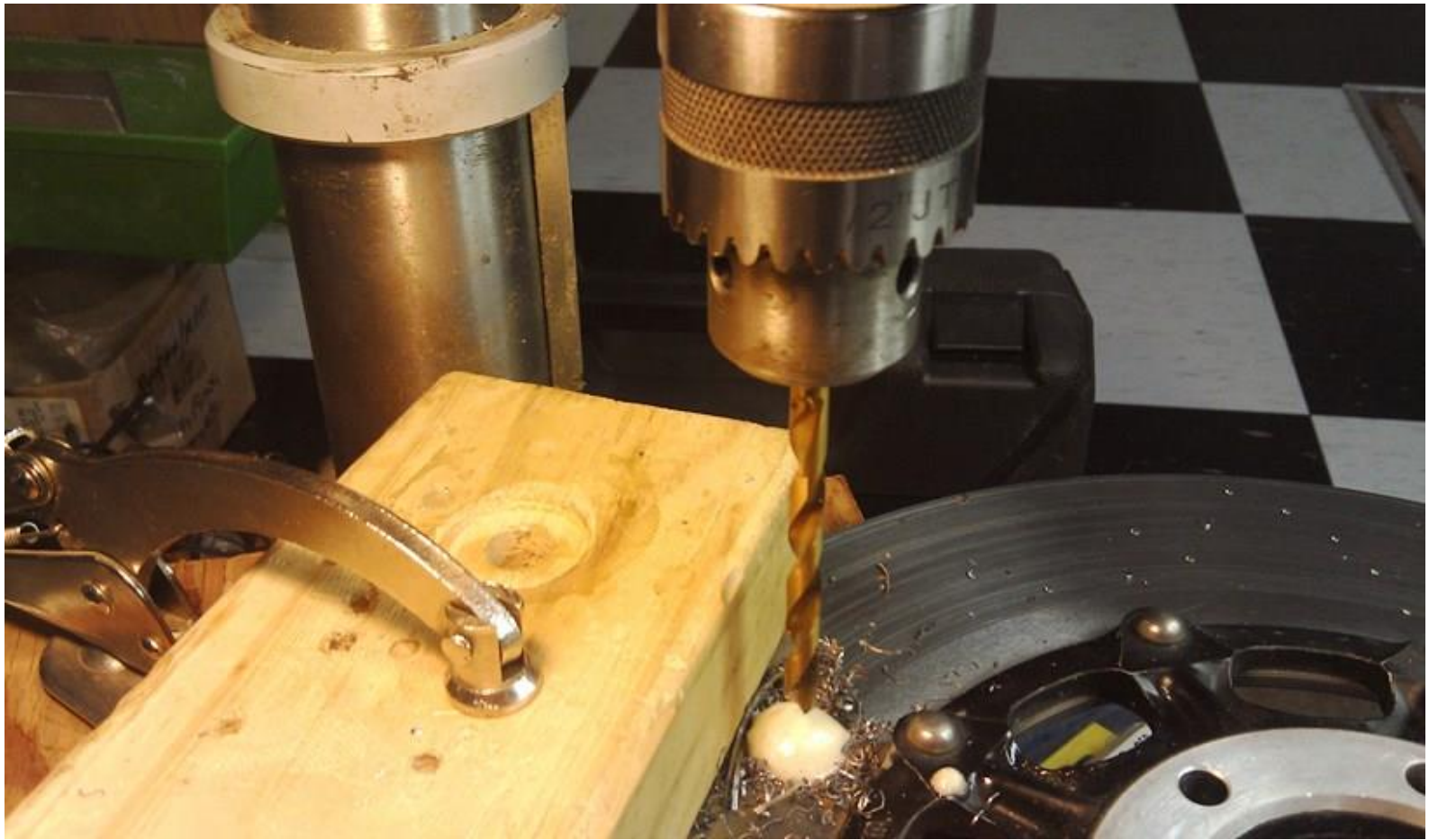


- Use a HSS 1/8" drill for pilot drilling
- Follow up with 1/4" drill for final hole size





- You will need a cutting fluid
- And WEAR YOUR SAFTEY GLASSES !



- Set drill speed to lowest setting
- Drill all holes with 1/8" drill first
- Then follow with 1/4" drill





- Use a 90 degree countersink bit
- Countersink all holes, both sides





- Again use slowest drill press speed



- Example of countersinking depth



- You're all done !