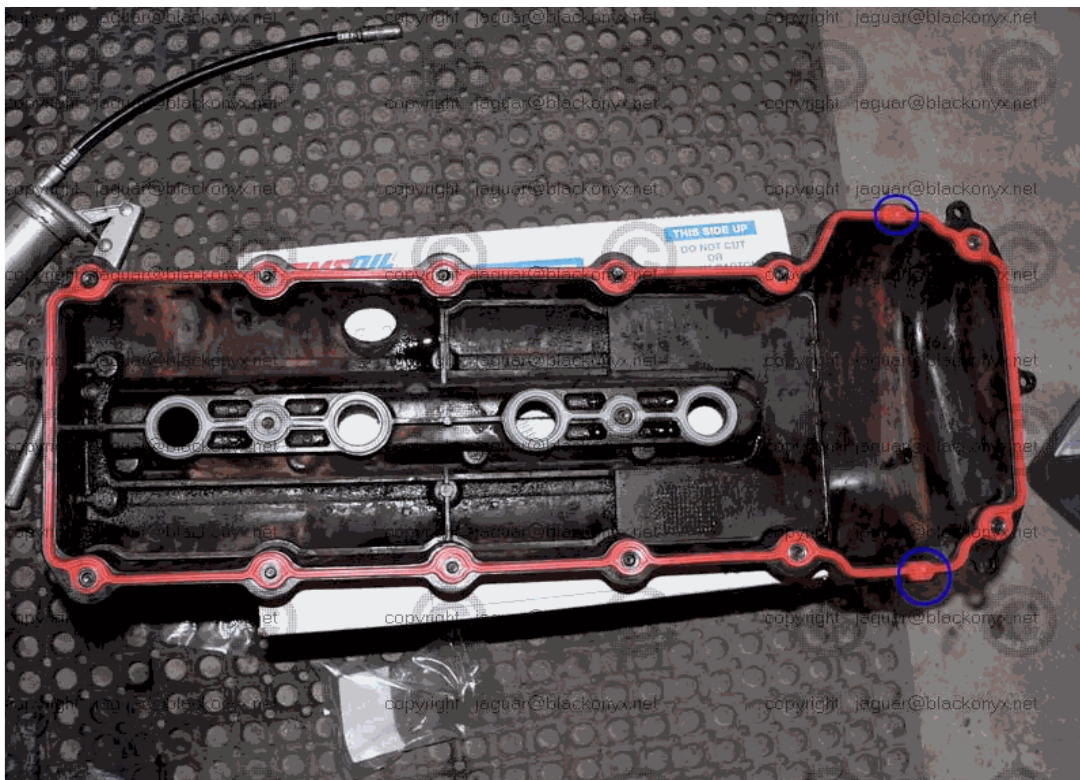


## Reinstalling Valve covers

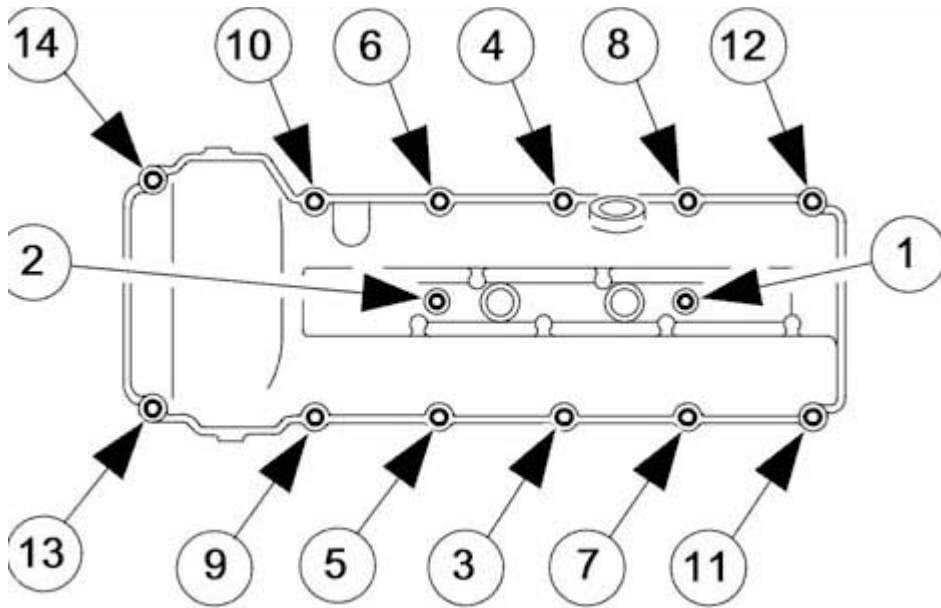
### Install the valve covers:

- 1) Clean the valve covers and the mating surfaces on both the covers and the head. Again brake cleaner works well here.
- 2) Install the new gaskets for the cam shaft covers. The red gasket goes on the left cover and the gray on the right cover.



## Reinstalling Valve covers

- 3) Install the new gaskets for the spark plug holes.
- 4) Install new gaskets for the valve cover bolts and press into the valve cover gaskets. They should stay where they are. Make sure you put the bolts with studs in the correct location along the upper edge of the valve cover.
- 5) Apply sealant to the two points on each side where the timing chain cover meets the head. Circled in blue.
- 6) Position the cam cover on the head with out smearing the sealant(one side at a time)
- 7) Torque the bolts (8mm) to 9-11 Nm in the order in the image below



- 8) Refit the clips that secure the engine harness to the valve covers
- 9) Refit sockets on the VVT solenoids

### Refit the ignition coils:

- 1) Install the ignition coils on the head
- 2) Refit bolts (8mm) and torque to 4-6 Nm
- 3) Refit harness and the sockets on the coils
- 4) Refit coil on-plug cover
- 5) Refit coil on-plug bolts (8mm)