

Instructions for Replacing Camshaft Position Sensor

This is a 1997 BMW 328i E36



- The sensor is shown here.

Here is the part you need



- The part is made by Bosch. Don't buy it from BMW. They sell the same part which is labeled Bosch BMW and a BMW part number.

Remove the Oil Filter Cover



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BMW oil wrench tool is needed



- Worth buying online for about \$15

Remove this silver unit



Remove this silver sensor and connector



- Set aside for now. You can leave the connector attached, but it is easier to work with if you remove it.

Cover oil unit with rag



- So you don't drop anything in it

Disconnect black cable



- Some oil may come out.

Black cable removed with wrench



- Don't lose the bolt

Now sensor can be removed



Loosen screw with allen wrench



- Don't drop it.

Sensor comes out



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The plug is a bit difficult to reach



- Take your time....

Bolt and O Ring removed.



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Here is the cable to be inserted



- They are identical except for the BMW logo.

Reconnect sensor with allen key



Put back the silver unit



Reconnect black cable



- Some oil may come out.

This would be a good time to replace oil filter



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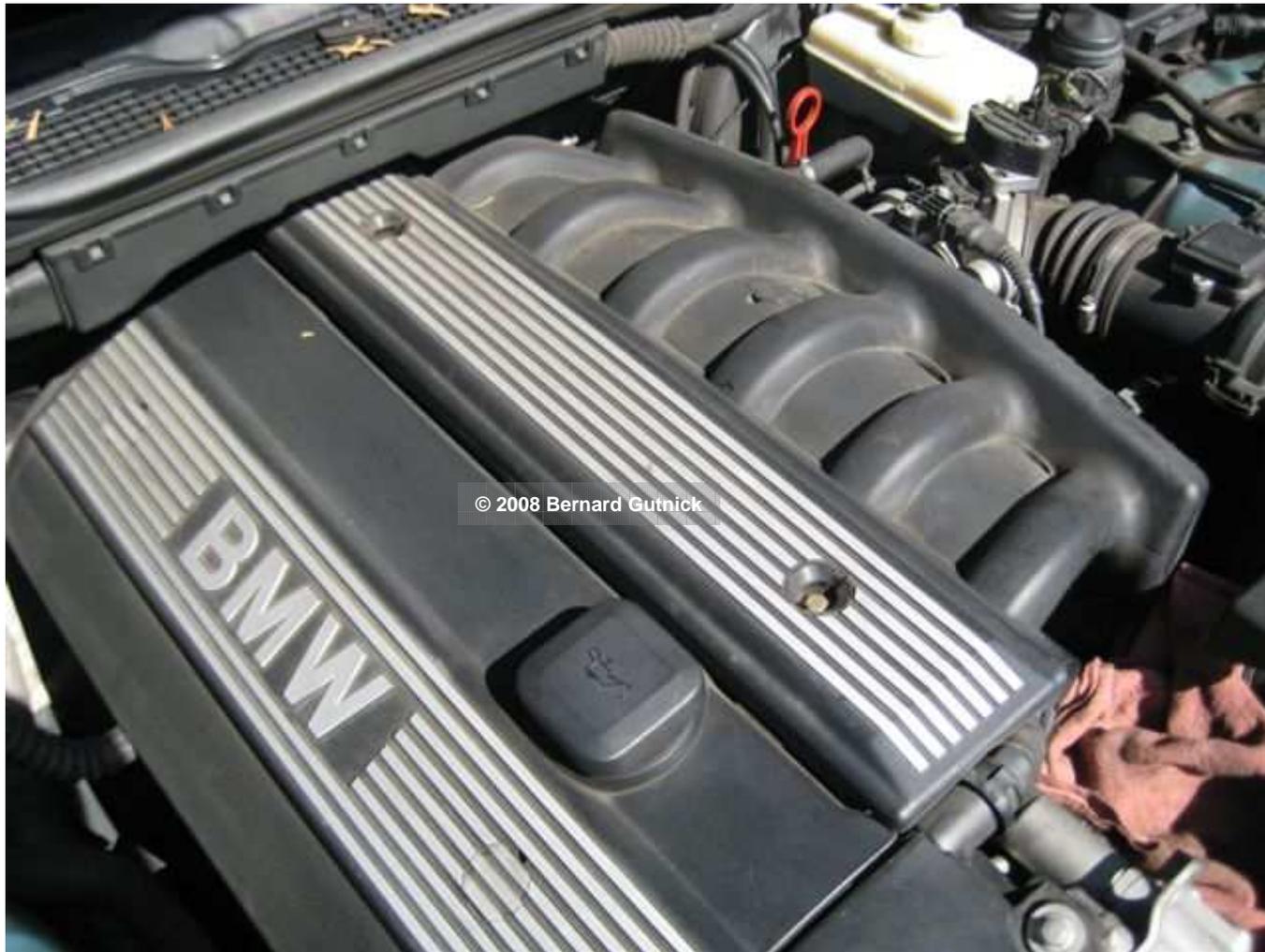
To reach cable connect it is easier if you remove the cover
Perhaps do this at first.



Gently remove caps



Remove Cover Caps and 2 screws



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Cover has been removed. Cable connector is near arrow



Don't lose the cover caps



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Replace Oil Filter cover



- Don't over tighten it. Hand tighten plus $\frac{1}{4}$ turn

Brakleen can be used to clear up the area



- Optional

Start the car and check the ODB unit for codes



- Congratulations! You saved a lot of \$\$ by doing it yourself.