

# Condition Based Service – explained

Condition Based Service (CBS) was first introduced with the BMW 7 Series and is an evolution of the service interval indicator that has featured on other models in the BMW range.

All current models are equipped with the CBS.

The CBS system is at the forefront of service innovation, and for this reason we want to ensure that you understand its principles and benefits.

## CBS - how it works...



CBS employs sensors to monitor the condition of worn parts and to ascertain the extent to which servicing is necessary.



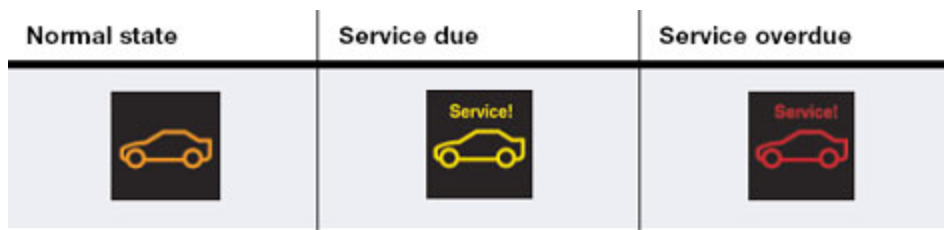
A microchip in the vehicle's remote control in the key saves the data along with other general information such as the odometer reading and the vehicle identification number.



BMW Service uses a device known as a Key Reader to download this information from the vehicle's key. Maintenance is not necessary until such times as wear progresses to defined limits. This flexibility in defining maintenance intervals and the scope of maintenance work required means that only those components that the sensors show to be due for maintenance are serviced. In essence, this system allows each service to be tailored to the requirements of each and every BMW.

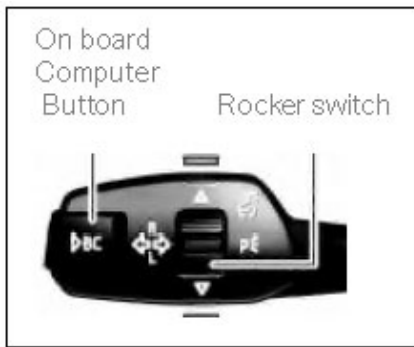
The instrument cluster:

The instrument cluster is the central unit - all your CBS data for the full scope of maintenance work is stored in the instrument cluster. When you turn on your vehicle, one of the service requirement indicators below will briefly appear in your LCD display (in-between your dials):

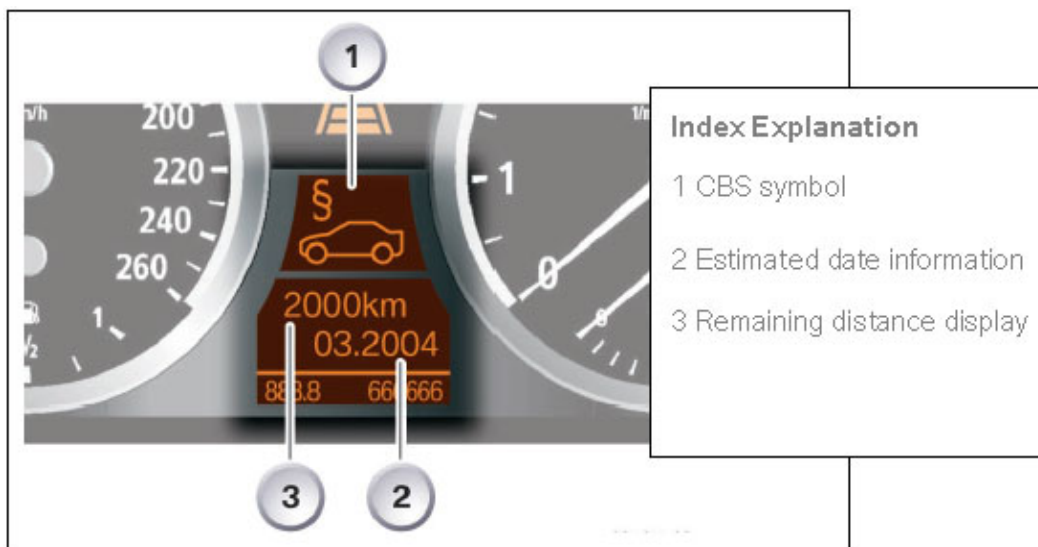


This symbol represents the overall status of the vehicle assessed by CBS.

In the 1 Series and new 3 Series models, you can manually gain access to further detail on the service status of your BMW via navigating the left indicator as pictured below:



When a service operation e.g. an Oil Service or Vehicle Check Inspection is due, the remaining distance before the next service is due and the absolute latest date for a service will be displayed as below:



In the 1 Series and new 3 Series models, this system is in its fourth level of development. This level of CBS offers the following benefits:

- The remaining distance and / or absolute service-due date are calculated and shown separately.
- This calculation includes an integrated interval forecast, which reflects your driving profile.
- With flexible service intervals (engine oil, micro filter, front and rear brake pads, and particulate filter changes (diesel only)), the last service interval is taken as the new starting value.
- CBS data is stored in the remote control (key) when the vehicle is in motion; updating it every time you drive.
- The Service Advisor can then read the CBS data using the Key Reader, which will display all the CBS data and status using the Service Acceptance Module (SAM).
- From this display, Service Advisors can print off the order-specific service sheet after having coordinated the service measures.

In the new 5, 6, 7 Series and X5 and X6 models, the instrument cluster will send the sorted data to the Central Information Display (CID). There, the data can be selected for display in the Service menu using the 'I Drive', which will alert to you what areas of the vehicle need attention via the following symbols:

