

**MODEL 129 as of 1.6.97**  
**MODEL 140 as of 1.6.97**  
**MODEL 163**  
**MODEL 168**  
**MODEL 170 as of 1.6.97**  
**MODEL 202 as of 1.6.97**  
**MODEL 208 up to 31.7.99**  
**MODEL 210 as of 1.3.97 up to 30.6.99**

#### Start time and remaining time

**Start time** refers to the service interval in days **immediately after the oil change**.

The start time is not dependent on the driving conditions and any oil replenishments.

The start time is 730 days (H 365 days).

The start time is automatically reset to its initial value by the oil change reset after each oil change. The start time is an **internal** computed variable and **cannot** be displayed in the instrument cluster. It is possible to display the start time with the HHT.

The **remaining time** is displayed in the instrument cluster under certain conditions as stated below.

#### The remaining time is the time which remains until the next service.

The remaining time is only of importance for "low-mileage drivers". (It is therefore the remaining **distance** which is displayed as a general rule.)

The remaining time depends on:

- D the **start time**
- D the **driving conditions** (the distance driven is **weighted** in this case.)

Replenishing oil, however, **does not** have any influence on the remaining time.

appears for 30 s (for 10 s up to mid-July 97). (On vehicles not fitted with multifunction display, the service and the clock symbol appear. The "remaining time" is displayed with a negative sign (minus sign). The readout flashes in this case.)

After the display reaches the maximum readout of -730 days, the readout remains at this figure! The readout is displayed with a resolution of 1 day.

#### As of approx. 06.97 a brief warning signal sounds in addition.

- D at driver request. The readout is then displayed, as above, for 10 s.

As a result of these dependent factors, ASSYST proves to be a demand-oriented system even for "low-mileage drivers". Depending on the weighting of the factors, the service interval for "low-mileage drivers" is between 1 and 2 years.

#### Warning threshold (in days)

With the HHT it is possible to set a warning threshold of between 5 and 30 days for the remaining time, with a stepwidth of one day. The basic setting is 30 days.

#### Display of remaining time

The remaining time is always only displayed in those cases where the following condition is met:

Remaining time (in days) x 40 < remaining distance (in km),  
**and** the warning threshold is reached.

The remaining time is displayed in the following cases:

- D automatically, after 5 s start switch in position 2 or driving, if the **warning threshold** is reached:  
The service symbol and the readout "SERVICE IN ... DAYS" appears for 10 seconds. (On vehicles not fitted with multifunction display, the current remaining time, the service and the clock symbol appear.)
- D automatically, after 5 s start switch in position 2 or driving, if the **remaining time** is exceeded:  
The service symbol and the readout "DAYS ... EXCEEDED"



If a speed limit is set at the cruise control, this speed limit is displayed for a short moment before the ASSYST display.

If certain measured values are not supplied to the ASSYST, e.g. because of failure of a sensor, it switches to stored substitute values. An appropriate entry is then made in the fault memory of the particular control module.

If the power supply fails, the data are retained. The times without operating voltage (battery disconnected) are not recorded, however! They can be retroactively included, however, with the HHT.

	Active service system (ASSYST) operating information	Engine with oil sensor (e.g. 112, 113, 611)  Model 210 as of 01.03.97 with engines 111, 602, 604, 605, 606 Model 129, 140, 170, 202 as of 06.97 except engine 112, 113, 611 (Valid for engines with oil level switch.)	GF00.20-P-0003-01A  GF00.20-P-0003-01B
	Active service system (ASSYST) display facilities		GF00.20-P-0003-04A
	Remaining distance function		GF00.20-P-2007A

	Engine oil monitor function	Engine with oil sensor (e.g. 112, 113, 611) Model 210 as of 01.03.97 with engines 111, 602, 604, 605, 606 Model 129, 140, 170, 202 as of 06.97 except engine 112 , 113, 611 (Valid for engines with oil level switch.)	GF00.20-P-2009A GF00.20-P-2009B
	Displaying service function	Model 129, 202 as of 8.99 Model 163 as of 1.00 Model 168 as of 9.99 Model 170 as of 12.99	GF00.20-P-2010B