

2007-08 GENERAL INFORMATION

Maintenance and General Information - Condition Based Service - Cooper

00 MAINTENANCE AND GENERAL INFORMATION

CONDITION BASED SERVICE

R56



Fig. 1: Displaying BMW R56 Condition Based Service
Courtesy of BMW OF NORTH AMERICA, INC.

System functions

With the Condition Based Service the execution of 8 maintenance operations is included in the scope:

- Engine oil
- Front brake pads
- Rear brake pads
- Vehicle check
- Brake fluid

2006 MINI Cooper

2007-08 GENERAL INFORMATION Maintenance and General Information - Condition Based Service - Cooper

- Statutory vehicle inspection
- Pre-delivery check
- Diesel additive

For reasons of clarity, maintenance operations and their intervals will be given first (valid for EURO vehicles).

In certain countries, different values may be applicable e.g. for engine oil.

MAINTENANCE OPERATIONS

Scope	Interval	Starting value/interval forecast		Time reference
		Distance [km]	Time [months]	
(calculated by)		Distance [km]	Time [months]	
Engine oil (DME/DDE)	flexible	DME: 30,000 DDE: 20,000	24 24	On-board date
Front brake pads (DSC)	flexible	50,000	-	-
Rear brake pads (DSC)	flexible	50,000	-	-
Diesel additive (DDE)	flexible	200,000	-	-
Vehicle check (instrument cluster)	fixed	DME: 60,000 DDE: 60,000	48 48	On-board date
Brake fluid (instrument cluster)	fixed	-	24	On-board date
Statutory vehicle inspection (instrument cluster)	country-specific	-	encodable	On-board date
Pre-delivery check (instrument cluster)	fixed	-	1	On-board date

IMPORTANT: The reference time for time-dependent maintenance operations is the on-board date.

The on-board date is used for the display of escalation (green symbol, yellow symbol, red symbol). In addition, the on-board date is the basis for sorting the maintenance requirements in the display.

The on-board date stands still when the battery is flat or disconnected and must subsequently be corrected in the vehicle.

The on-board date must be set correctly when resetting maintenance requirements. Resetting is described in the general service information.

Other maintenance operations:

- **Passenger compartment microfilter:** Link to every oil service. Diesel - every 2nd oil service.
- **Spark plugs:** Link to every 2nd oil service.
- **Air cleaner:** Link to every 2nd oil service. Diesel - every 3rd oil service.
- **Exhaust emissions test:** Deleted (may also be manually controlled using the DIS tester).

2006 MINI Cooper

2007-08 GENERAL INFORMATION Maintenance and General Information - Condition Based Service - Cooper

- **Diesel fuel filter:** Drain with every oil change, replace with every 3rd oil change.
- **Diesel particulate filter:** With every 9th oil change.
- **Toothed belt (diesel):** 240,000 km
- **Poly-V belt (diesel):** 240,000 km

Key Service Data

The concealed function for updating the key data is triggered as follows:

- Insert remote control in the insert compartment
- Keep the centre-lock button pressed
- Change the terminal by pressing the START-STOP button
- Wait approximately 10 seconds (centre-lock button can be released)
- When the key data is updated a gong will sound

General information on Condition Based Service

Resetting a maintenance operation in the vehicle

NOTE: First perform the maintenance operation.

A maintenance operation must only ever be reset **after** it has been performed.

NOTE: Perform a reset after instruction.

The resetting process is interrupted if the time is exceeded or if a terminal is changed.

On the vehicle, maintenance operations can be reset at the instrument cluster. Here, the availability of the maintenance operation is reset to 100% (corresponds to new part).

Availability is an internal computing value (not visible for the user).

The following sequence must be observed if you are resetting with the trip meter reset button:

- Switch on terminal 15.
- Press and hold the trip meter reset button for approx. 10 seconds until the 1st maintenance service appears in the LCD display.
- The upper display in the speedometer is lit up by a symbol (example: an oil can is the symbol for an oil change).

The lower display in the speedometer shows the time or distance remaining until the next service is due (example: 14,000).

Scroll by repeatedly pressing the on-board computer button.

2006 MINI Cooper

2007-08 GENERAL INFORMATION Maintenance and General Information - Condition Based Service - Cooper

- To reset, press the on-board computer button on the turn-signal/main-bean switch and hold it until the word "RESET" appears in the lower display.
- Pressing the on-board computer button again will reset the service shown n the upper display.
- Repeat this procedure for every service that is to be reset.

NOTE: Resetting increases the service counter.

Each reset increases the service counter for the operation concerned by 1. The service counter is used in SAM for operation-specific control of additional work.

NOTE: Sorting is chronological.

The order of maintenance operations is chronologically sorted. The most critical item is displayed first.

NOTE: Vehicle inspection and emissions test vary from country to country.

The intervals stipulated locally by law are encoded with the BMW diagnosis system.