



Date: February 2001  
Order No.: P-SI-14.00/14  
Supersedes:  
Group: 14.00

**SUBJECT: MODELS WITH LH-SFI OR HFM-SFI, MODEL YEARS 1993 THROUGH 1996  
VEHICLES INADVERTENTLY FAILING ON-BOARD DIAGNOSTIC INSPECTIONS IN  
STATE OPERATED TESTING LANES**

This service information pertains to models with LH-SFI or HFM-SFI, model years 1993 through 1996. Please refer to the table on the next page for a detailed listing of the affected vehicles.

It has come to the attention of Mercedes-Benz USA, that the affected Mercedes-Benz vehicles have inadvertently failed On - Board Diagnostic (OBD) tests, in states conducting OBD checks (in their respective Inspection / Maintenance Lanes). These inadvertent failures are due to state guidelines, which were established without the knowledge of how specific Mercedes-Benz systems operate.

**Testing guidelines read as follows for states checking the OBD system**

Vehicles fail the entire OBD inspection if they fail either of the following criteria:

- "Check engine" malfunction indicator lamp (MIL) is commanded on, with the vehicle in the key-on/engine-running condition.
- "Check engine" MIL is illuminated after the vehicle is started, even if no fault codes are present, which could indicate a serial data link failure.

Please be advised, that certain Mercedes Benz vehicles will illuminate the "check engine" MIL during DTC read-out and while the tool is connected, regardless of whether or not any faults are present in the OBD system.

This feature was designed into Mercedes-Benz systems equipped with LH-SFI and HFM-SFI control modules during the early phase of OBD, so that a technician would know when a tool is properly communicating or "linked-up" with the control module. For this reason, these vehicles should not be failed in any state Inspection Maintenance lane. Furthermore, it is critical to note that this is only a "visual illumination". The MIL is **not** "commanded on" and bit (Mode \$ 01, P1D \$ 01, Data A, bit 7) is not set or activated in the OBD software.

This bulletin has been created and maintained in accordance with MBUSA-SLP 5.1, Document and Data Control, and MBUSA-SLP 16.1, Control of Quality Records.

**Affected vehicles**

<b>Model Year</b>	<b>Model</b>	<b>Sales Designation</b>	<b>Engine</b>	<b>Fuel Injection system</b>
1993	140.032	300SE	104.990	LH-SFI
	124.034	400E	119.975	
	124.036	500E	119.974	
	140.043	400SEL	119.971	
	140.051	500SEL	119.970	
	140.070	500SEC		
	129.067	500SL	119.972	
	140.057	600SEL	120.980	
	140.076	600SEC		
	129.076	600SL	120.981	
1994	202.022	C220	111.961	HFM-SFI
	202.028	C280	104.941	
	140.032	S320	104.994	
	129.063	SL320	104.991	
	124.032/052/066/092	E320	104.992	
	124.034	E420	119.975	
	140.043	S420	119.971	LH-SFI
	124.036	E500	119.974	
	140.051/070	S500	119.970	
	129.067	SL500	119.972	
	129.076	SL600	120.981	
	140.057/076	S600	120.980	
	1995	202.022	C220	
202.028		C280	104.941	
140.032		S320	104.994	
129.063		SL320	104.991	
124.032/052/066/092		E320	104.992	
202.028		C36 AMG	104.941	
124.034		E420	119.975	LH-SFI
140.043		S420	119.971	
140.051/070		S500	119.970	
129.067		SL500	119.972	
129.076		SL600	120.981	
140.057/076		S600	120.980	
1996		202.022	C220	
	210.055	E320	104.995	
	202.028	C280	104.941	
	140.032/033	S320	104.994	
	129.063	SL320	104.991	
	202.028	C36 AMG	104.941	