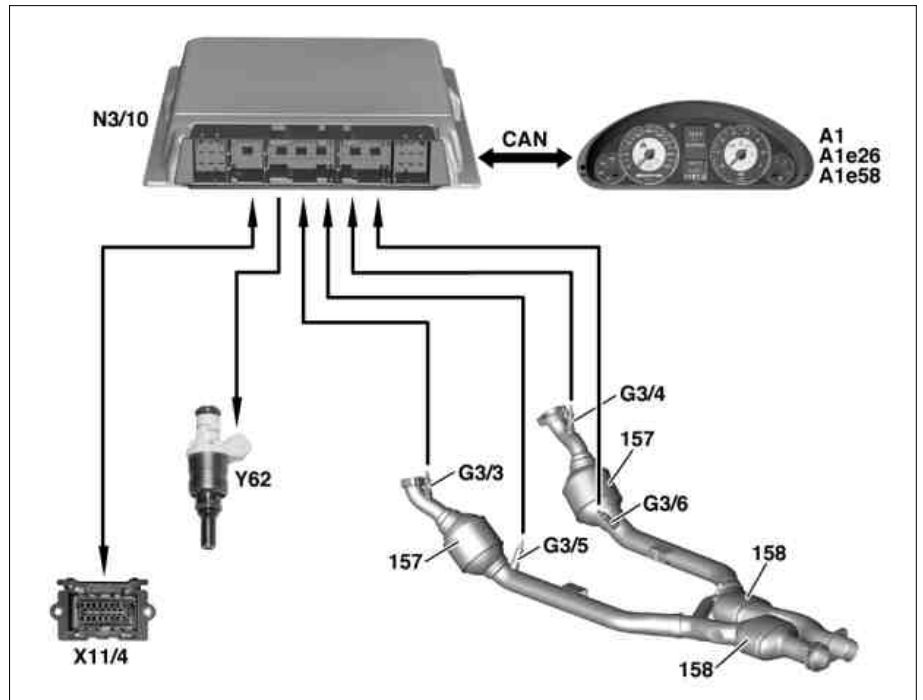


ENGINES 113.986  
 ENGINES 113.987  
 ENGINES 113.988 up to Model Year 08 /Modification Year 07  
 ENGINES 113.989 up to Model Year 08 /Modification Year 07

- 157 Firewall catalytic converter
- 158 Underfloor catalytic converter
  
- A1 Instrument cluster
- A1e26 "CHECK ENGINE" indicator lamp (for USA)
- A1e58 Engine diagnosis indicator lamp
- G3/3 Left O<sub>2</sub> sensor upstream of TWC
- G3/4 Right O<sub>2</sub> sensor upstream of TWC
- G3/5 Left O<sub>2</sub> sensor downstream of TWC
- G3/6 Right O<sub>2</sub> sensor downstream of TWC
- N3/10 ME-SFI [ME] control unit
- X11/4 Data link connector
- Y62 Fuel injection valves
  
- CAN CAN data bus (Controller Area Network)



P07.61-3176-06

The ME-SFI [ME] control unit (N3/10) determines the lambda mean value from the O<sub>2</sub> sensor signals downstream of TWC. This value is compared with a stored value for optimum exhaust emissions. If the deviation is too large after a number of measurements, a correction variable (delay time) is determined for the lambda control.

The correction variable (value for new O<sub>2</sub> sensor upstream TWC approx. 0) makes it possible to compensate for aging of the O<sub>2</sub> sensors upstream of TWC within certain limits. If the correction variable exceeds the limit value, the O<sub>2</sub> sensors upstream of the TWC must be replaced.

The correction values are map-controlled and are implemented by the ME control unit by adapting the fuel injection.

If limit values are exceeded or if the plausibility check of the O<sub>2</sub> A1e58 sensor signals (upstream and downstream of the catalytic converter) is failed, the engine diagnosis indicator lamp, or for A1e26 the CHECK ENGINE indicator lamp (USA) lights up in the instrument cluster (A1).

Exceeding a limit is stored in the fault memory and can be read out and deleted using STAR DIAGNOSIS.



The effect of the firewall catalytic converters (157) is monitored with the O<sub>2</sub> sensor signals downstream of TWC.

	Fuel injection valves, component description	Y62		GF07.03-P-6010SM
	Component description for O <sub>2</sub> sensors	G3/3, G3/4, G3/5, G3/6		GF07.04-P-6100SM
	ME-SFI [ME] control unit, component description	N3/10		GF07.61-P-6000SM
	Component description for the exhaust system			GF49.00-P-3010SM
	Three-way catalytic converter, component description	157, 158		GF49.10-P-2010SM
	Component description for the engine diagnosis indicator lamp	A1e58	Except USA	GF54.30-P-5010SM
	Component description for the "CHECK ENGINE" indicator lamp	A1e26	At USA	GF54.30-P-5011SM