

Subject: TRIONIC Flashing Lamp Fault Codes

Application: 1993 9000 Models

CATEGORY Engine	
SECTION 2	PAGE 21
ISSUE [REDACTED]	CODE 200

Service Manual section [REDACTED] Saab [REDACTED] Engine Management System for model year 1993 cars contains [REDACTED] pletedescription of the system diagnosis and fault-tracing procederes using a [REDACTED]. This bulletin describes an additional method of fault diagnosis by means of fault codes generated as flashes of the Malfunction Indicator lamp (CHECK ENGINE lamp), Figure 1. This method only indicates certain emission-related faults in the system without the use of an [REDACTED].

Cars Affected:

1993 9000 models with B234 Turbo and TRIONIC engine management system.

Action:

Fault diagnosis can be carried out as soon as the ignition switch is turned to the drive position.

To obtain a fault code reading, Figure 1:

1. Turn the ignition switch to the Drive position without starting the engine.

Bulb check & [REDACTED] Fault Fault



5. The flashing lamp codes will be repeated until the fault code memory is cleared. To clear the fault code memory, unplug the control module connector for at least five minutes.

Refer to Table 1 for a complete list of all the flashing fault codes.

NOTE

The page references in the table refer to Service Manual "Engine Management System" M 1993.

TABLE 1. Flashing Fault Codes

Numbers of Flashes	Faulty Function/Component	Corresponding Codes	See Page
8 -	Manifold absolute pressure sensor	PO108	82
3 -	Intake air temperature sensor	PO113	85
4 -	Coolant temperature sensor	PO118	89
5 -	Throttle position sensor	PO123	92
1 -	Oxygen sensor	30	95
7 -	Fuel-air mixture	PO172	94
9 -	EVAP valve (ELCD)	P1442	100

Warranty Information:

Diagnostic time allowance for the above is 0.3 hours. Please use operation no. 12226, and change description on page 2-31 (9000 Failure Code/Flat Rate Manual) to "Injection System - Diagnostic Time". Under "Time