

GF07.61-P-3028A

Intake manifold switchover, function

20.10.96

ENGINE 112.942 /970

ENGINE 113.942 /965

Shown on model 210

22/1 Variable intake manifold switchover diaphragm unit

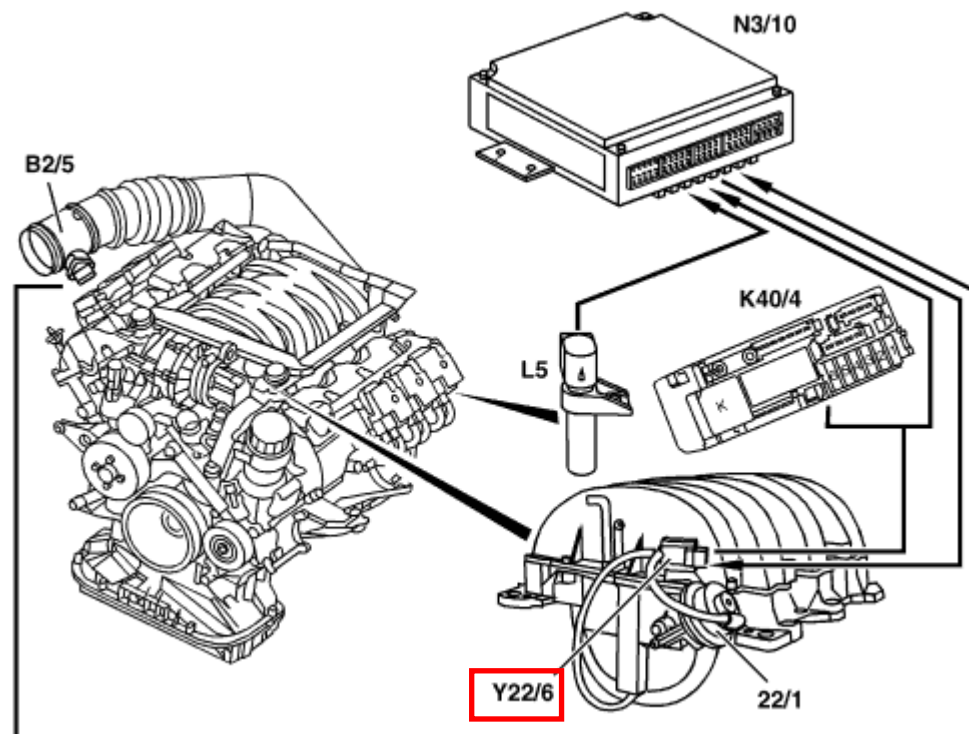
B2/5 Hot film mass air flow sensor (intake air temperature sensor integrated)

K40/4 Fuse and relay module

L5 Crankshaft position sensor

N3/10 Motor electronics control unit

Y22/6 Variable intake manifold switchover valve



P07.60-0282-06

Task

Actuating variable intake manifold switchover valve in line with engine load and speed.

Function

The variable intake manifold switchover valve is actuated by the ME-SFI control unit in line with the engine load and speed:

- When starting and at low rotational speeds, the variable flaps are opened - variable intake manifold switchover valve de-energized.

- At a load exceeding 50% as of approx. 1750 rpm up to approx. 3900 rpm the variable flaps are closed. The variable intake manifold switchover valve is opened by means of a ground signal by the ME-SFI control unit for this purpose. The intake manifold switchover diaphragm unit is pressurized with vacuum and operates the flap shafts.
- As of, for example, 3900 rpm the variable intake manifold switchover valve is no longer actuated. The variable flaps open through spring force.

| | | |
|--|--|---------------------------------|
| Motor electronics control unit, location/task/design/function | | GF07.61-P-5000F |
| Intake manifold, location/task/design/function | | GF09.20-P-3102A |
| Crankshaft position sensor, location/task/design/function | | GF07.04-P-4116F |
| Hot film mass air flow sensor, location/task/design/function | | GF07.07-P-4118G |
| Variable intake manifold switchover valve location/task/design/function | | GF07.05-P-5010A |
| Voltage supply of ME-SFI control unit function | | GF07.61-P-5001F |