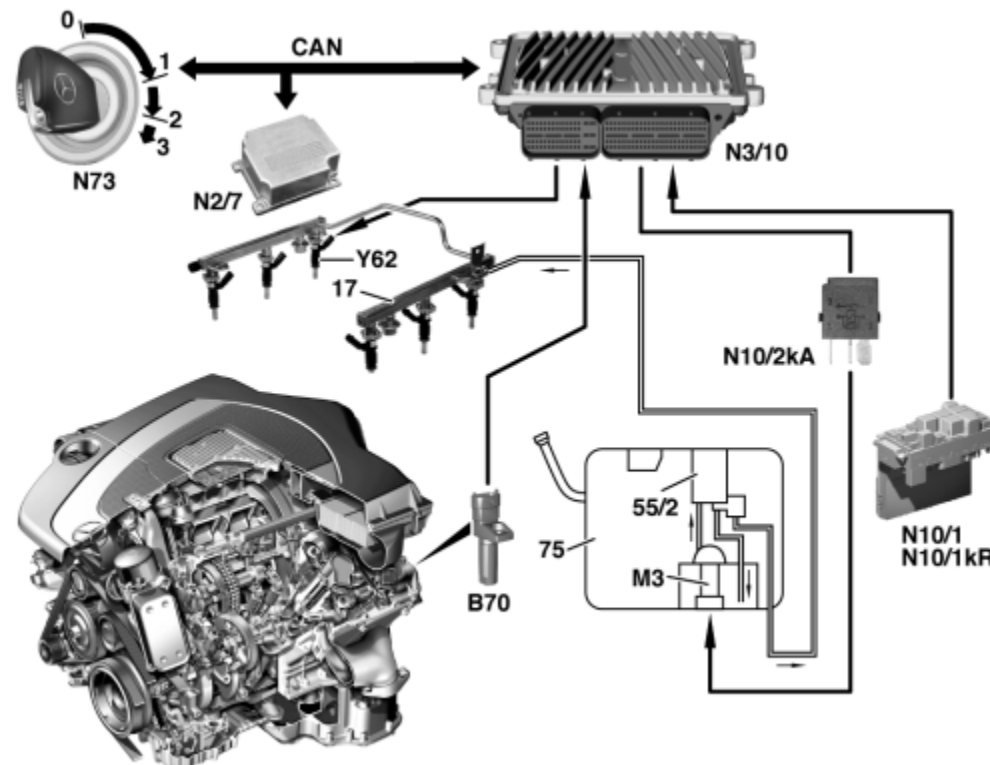| GF07.61-P-3012V | ME-SFI fuel pump actuation, function | 13.1.06 |
|---|---|---|

ENGINE  272.967 in MODEL 164.1
ENGINE  273.923 /963 in MODEL 164.8

***Shown on engine 272.963 in model 171***
*17 Fuel rail*
*55/2 Fuel filter with fuel return regulator*
*75 Fuel tank*

*B70 Crankshaft Hall sensor*
*M3 Fuel pump*
*N2/7 Restraint systems control unit*
*N3/10 ME control unit*
*N10/1 Driver-side SAM control unit with fuse and relay module*
*N10/1kR Circuit 87 relay, engine*
*N10/2kA Fuel pump relay*
*N73 EIS [EZS] control unit*
*Y62 Fuel injection valves*

*CAN Data bus*

P07.61-3055-06

Fuel pump actuation has the following tasks:

- Actuate the fuel pump with ignition ON for approx. 5 s to ensure that it is completely filled. The engine must be started before the fuel pump is actuated again. In order to achieve short start times, protection against flooding cylinders is required, in particular following long shut-off times.
- To start the engine, actuate the fuel pump via start identification from terminal 50.
- When engine is running, actuate the fuel pump via the engine speed signal.
- In case of detected front crash, interrupt the actuation of the fuel pump.

The fuel pump is actuated over the fuel pump relay by a ground signal from the ME-SFI [ME] control unit.
When the power contact on the relay is closed the fuel pump is connected to circuit 30 (B+) via circuit 87. Circuit 30 is protected by a 20 A fuse.

[i] If the fuel pump does not run, first check the voltage supply to the ME control unit, then the fuel pump fuse and the fuel pump line terminals.

| | | | |
|---|---|---|---|
| | Component description for fuel injection valves | | GF07.03-P-6010V |
| | Component description for crankshaft Hall sensor | | GF07.04-P-6220V |
| | Component description for fuel distribution rail | | GF07.61-P-6020V |
| | Component description for ME-SFI [ME] control unit | | GF07.61-P-6000V |
| | Component description for fuel tank | Model 164.1 | GF47.10-P-2000VC |
| | Component description for fuel pump | | GF47.20-P-2000V |
| | Component description for fuel filter with fuel pressure regulator | Model 164 | GF47.20-P-2110VB |
| | Component description for fuel pump relay | | GF47.20-P-2010V |