

YMMS: 2002 Mercedes-Benz S500

Engine: 5.0L Eng

VIN:

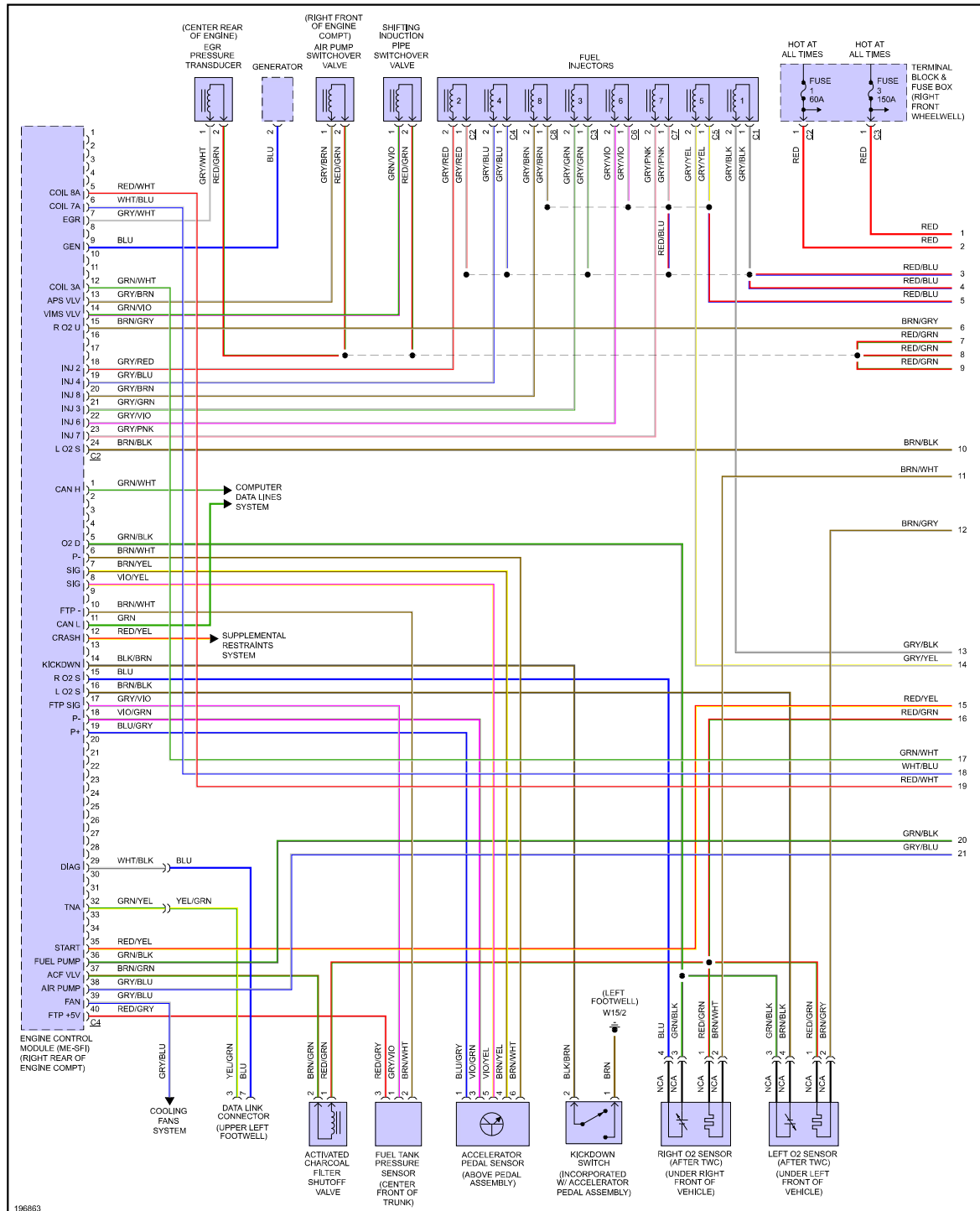
Jan 16, 2022

License:

Odometer:

ENGINE PERFORMANCE > 5.0L

Fig 1: 5.0L, Engine Performance Circuit (1 of 3)



The diagram illustrates the electrical system for the engine compartment, showing the following components and their connections:

- AIR PUMP RELAY:** Connected to the RIGHT FRONT FUSE/RELAY MODULE (RIGHT REAR OF ENGINE COMPT) and the AIR PUMP (TOP FRONT SIDE OF ENGINE).
- MOTOR ELECTRONICS/CHASSIS RELAY:** Connected to the MOTOR ELECTRONICS/CHASSIS RELAY and the PURGE CONTROL VALVE (LEFT REAR OF ENGINE COMPT).
- RIGHT FRONT SAM CONTROL MODULE:** Connected to the RIGHT FRONT FUSE/RELAY MODULE (RIGHT REAR OF ENGINE COMPT) and the RIGHT O2 SENSOR (BEFORE TWO).
- FUEL PUMP RELAY:** Connected to the FUEL PUMP RELAY and the FUEL PUMP.
- RIGHT REAR OF ENGINE COMPT:** Connected to the RIGHT FRONT FUSE/RELAY MODULE (RIGHT REAR OF ENGINE COMPT) and the PURGE CONTROL VALVE (LEFT REAR OF ENGINE COMPT).
- PURGE CONTROL VALVE (LEFT REAR OF ENGINE COMPT):** Connected to the MOTOR ELECTRONICS/CHASSIS RELAY and the PURGE CONTROL VALVE.
- RIGHT O2 SENSOR (BEFORE TWO):** Connected to the RIGHT FRONT SAM CONTROL MODULE and the RIGHT O2 SENSOR (BEFORE TWO).
- LEFT O2 SENSOR (BEFORE TWO):** Connected to the RIGHT FRONT SAM CONTROL MODULE and the LEFT O2 SENSOR (BEFORE TWO).
- THROTTLE VALVE ACTUATOR (REAR TOP CENTER OF ENGINE):** Connected to the FUEL PUMP RELAY and the THROTTLE VALVE ACTUATOR (REAR TOP CENTER OF ENGINE).
- FUEL PUMP:** Connected to the FUEL PUMP RELAY and the FUEL PUMP.

The diagram also shows the wiring paths for various fuses, relays, and sensors, with color-coded wires and terminal numbers.

Fig 3: 5.0L, Engine Performance Circuit (3 of 3)



