Peugeot 307cc- engine cuts out

Data sheet	
Manufacturer	Peugeot
Vehicle model	307cc
Engine	2.0 16 V
Engine code	RFK
Year of manufacture	2003 to 2009
Symptoms	ABS warning lamp lights up, engine cuts out
HELLA parts to replace	HELLA circuit breaker 30A: 8JS 174 320-061 Lambda sensors: 6PA 009 165-701 / 6PA 009 165-691 6PA 358 066-211
Recommended HGS tool	megamacsX

Important safety information

Anti-lock braking system (ABS) error message present, engine switches off and cannot be restarted

With the above-mentioned vehicle type, it can happen that the warning message "ABS/ASR/ESP faulty" is displayed while the car is being driven. In addition, the vehicle may no longer accelerate and the engine may switch off. The error memory contains entries including those for the injection valves and lambda sensors.

The fuses should be carefully checked as the first troubleshooting step. Pay particular attention to fuse F10 (30A) in the fuse and relay box in the engine compartment. The fuse must be removed and visually inspected for defects. If there are no obvious defects on the fusible wire, a continuity test can be carried out with a suitable measuring device for a more precise check. If the fuse is visually defective or measurements are out-of-spec, a possible cause may be a defective heating element on one of the two lambda sensors.

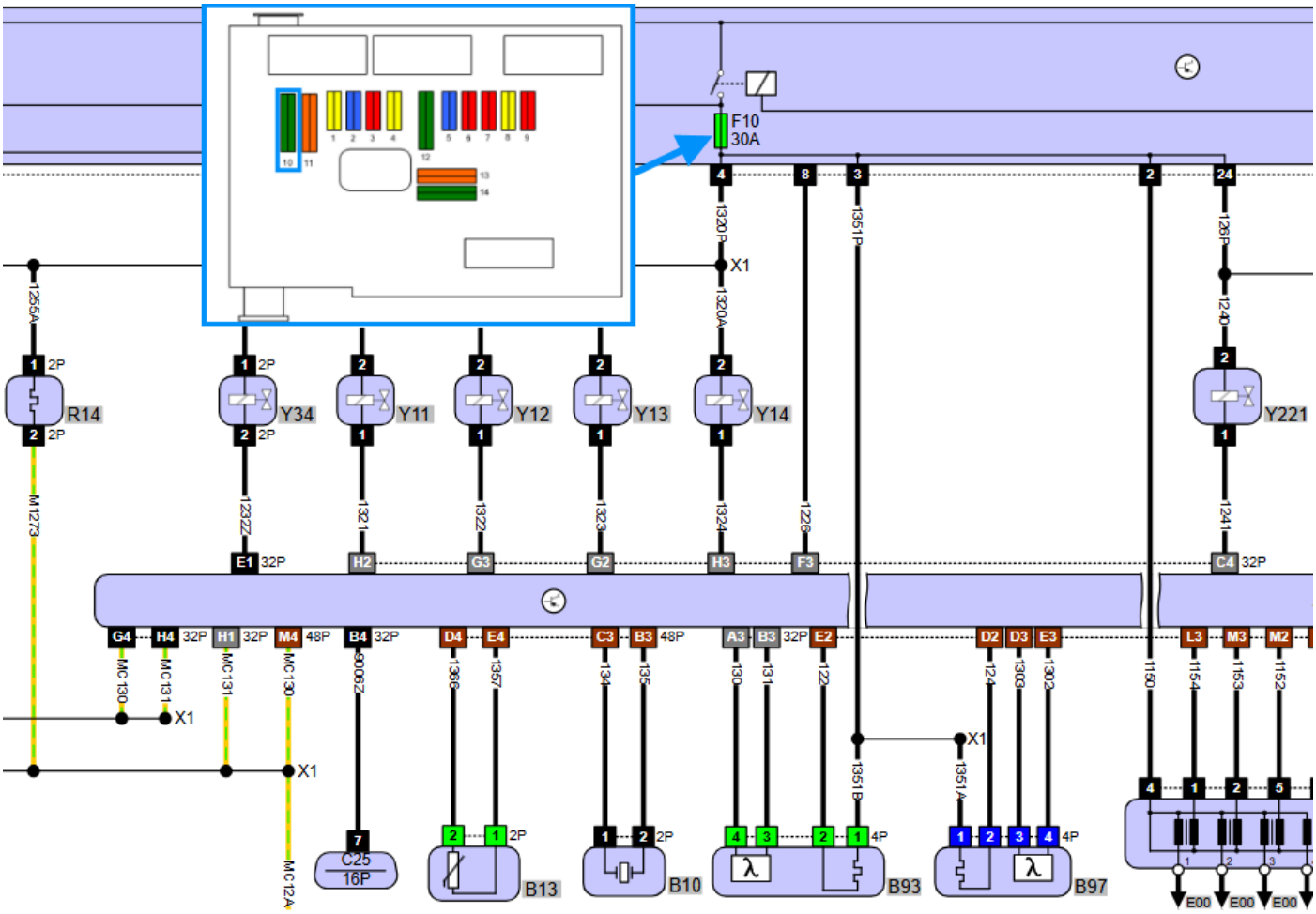
In order to check whether the lambda sensors are responsible for tripping the fuse, a circuit breaker with 30 A can be temporarily inserted in the slot of fuse F10 for troubleshooting purposes. This circuit breaker trips in the event of a short circuit and can then be switched on again. After inserting the circuit breaker, the plug connections of the sensors are disconnected one after the other. Each time the plug connection is disconnected, the engine has to be started and, if necessary, a test drive carried out to check whether the short circuit is still present. If the circuit breaker no longer trips, the fault is in the previously disconnected component.

The fuse F10 (30A) not only protects the power supply to the lambda sensor heating elements, but also other components such as the crankcase ventilation heater or the ignition coils. This means that other components as well as the heating elements may also be a cause of the faults. It is therefore recommended to use the circuit diagram that matches the vehicle and the system so as to achieve precise troubleshooting.

Once the cause of the fault has been rectified, delete the error memory and then carry out a test drive.

Please note

Please always follow the repair instructions from the vehicle manufacturer when carrying out such work!



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