





### Location 1

Left-hand drive is shown; right-hand drive is similar

#### Fuse 1

Automatic transmission control unit Mechatronic unit for the dual-clutch gearbox

# 15.0 A

### Fuse 2

Oil level and temperature sensor

## 5.0 A

### Fuse 3

Engine control unit

## 5.0 A

#### Fuse 4

Engine control unit

## 5.0 A

#### Fuse 5

Mass airflow meter Fuel pressure control solenoid Fuel metering solenoid (5A also used)

## 10.0 A

#### Fuse 6

Engine control unit Injectors (cylinders 1 - 4)

## 15.0 A



### Fuse 7

Valve lift solenoid

Turbo pressure control solenoid

Canister purge solenoid

Left electro-hydraulic engine mounting solenoid

Right electro-hydraulic engine mounting solenoid

Camshaft timing solenoid

Exhaust flap valve

Turbo bypass solenoid

Fuel pressure control solenoid

Fuel metering solenoid

Swirl control solenoid

Outlet camshaft timing solenoid

Climatronic coolant shut-off valve

Oil pressure control valve

Gearbox oil cooling valve

Piston cooling jet valve

Exhaust gas recirculation coolant pump

(15A also used)

# 10.0 A

#### Fuse 8

NOx sensor

NOx sensor control unit

Brake servo relav

Particulate sensor

(10A also used)

(15A also used)

### 5.0 A

#### Fuse 9

Voltage regulator(s)

Engine control unit

## 5.0 A

#### Fuse 10

Primary heated oxygen sensor

Secondary heated oxygen sensor

Oxygen sensor behind the catalytic converter

(10A also used)

## 15.0 A

### Fuse 11

Cooling fan control unit

Cooling fan control unit 2

5.0 A



#### Fuse 12

Automatic transmission control unit Mechatronic unit for the dual-clutch gearbox

## 5.0 A

### Fuse 13

Not used

#### Fuse 14

Ignition coils 1 - 8

Climatronic coolant shut-off valve

Exhaust gas recirculation coolant pump

(5A also used)

(30A also used)

20.0 A

#### Fuse 15

Power steering control unit

# 5.0 A

#### Fuse 16

MAP-controlled engine cooling thermostat

Glow plug control unit

Secondary air pump relay

Low-output heating relay

High-output heating relay

Relay, additional coolant pump

Secondary air pump relay 2

Gearbox cooling relay

Turbo pressure control solenoid

Crankcase heater

Canister purge solenoid

Secondary air inlet valve

Left electro-hydraulic engine mounting solenoid

Right electro-hydraulic engine mounting solenoid

Air filter bypass flap valve

Swirl control solenoid

Exhaust gas cooler solenoid

Oil pressure control valve

Coolant system bypass circuit valve

Thermostat

Coolant circulation pump

Intercooler pump

Crankcase breather

15.0 A



#### Fuse 17

Oxygen sensor behind the catalytic converter Oxygen sensor 2 behind the catalytic converter or not used

## 15.0 A

#### Fuse K

Glow plugs (80A also used) Or Secondary air pump

(50A also used)

#### Fuse L

Secondary air pump 2 or not used

## Relay R1

Glow plug control unit Or Power supply relay

## Relay R2

Starter motor relay Starter motor, secondary relay

### Relay R3

Secondary air pump relay or not used

### Relay R4

Terminal 30 voltage supply relay Or

Motronic power supply relay

## Relay R5

Fuel pump relay
Relay, additional fuel pump
Gearbox cooling relay
Or
Continued coolant circulation relay
Brake servo relay
Relay, additional coolant pump

## Relay R6

Secondary air pump relay 2 or not used



Rel	ay	<b>R7</b>
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No information is available

## Relay R8

No information is available

## **Relay R9**

No information is available