

Toyota Mark 2 110 (Verossa) – fuse and relay

Toyota Mark 2 in **110** body represents the 9th generation of the model range, produced on a common basis with **Toyota Verossa** in 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007. In this publication, we will show the location of the electronic control units, describe the fuses and relays of the Toyota Mark 2 110 with box diagrams and photo examples of execution. Highlight the cigarette lighter fuse.

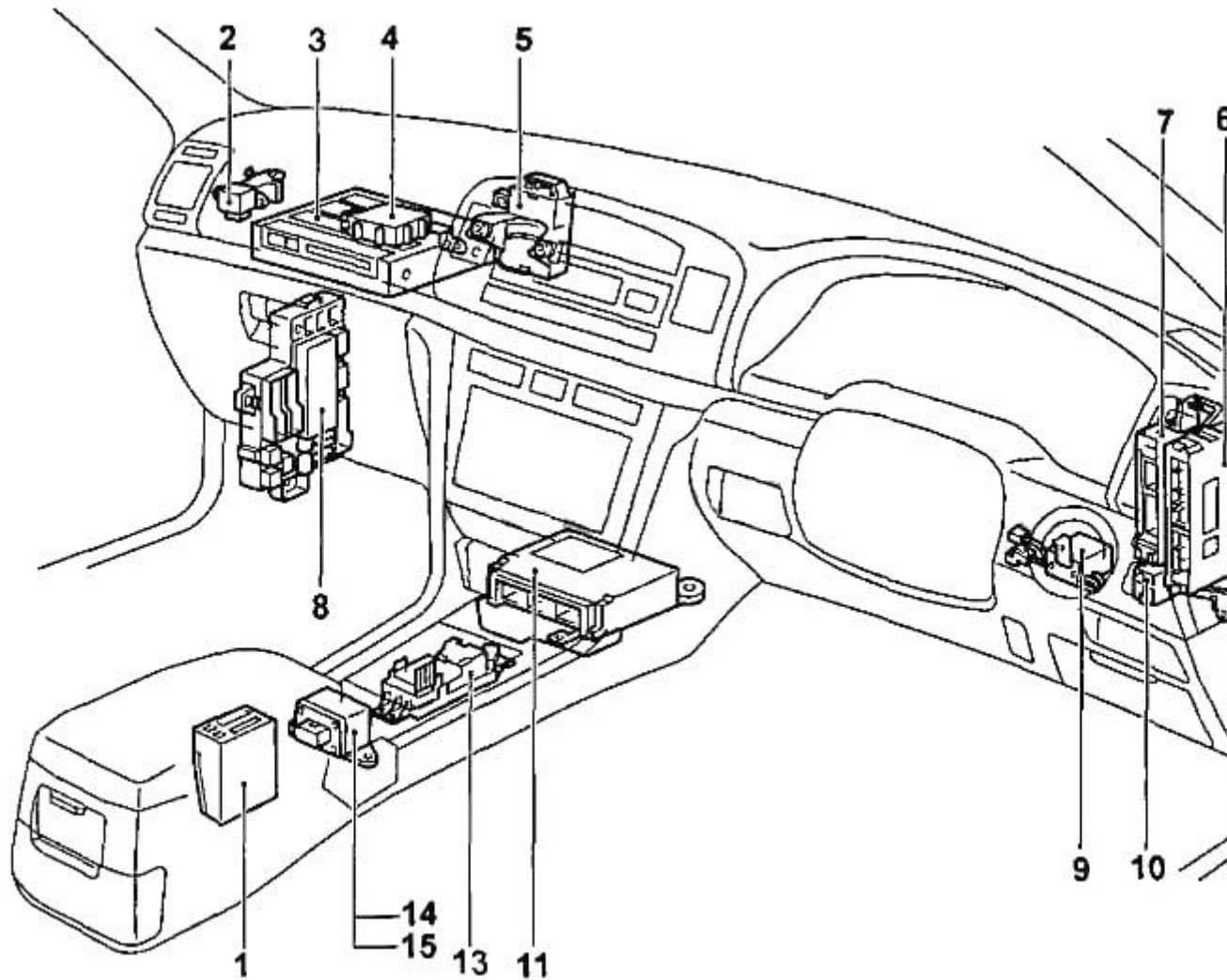


Check the purpose of the elements with your diagrams on the box cover.

Passenger compartment

Location

General layout of boxes in the cabin



Assignment

1. electronic control unit for automatic transmission (models from 10.2002)
2. acceleration sensor (front left)
3. navigation system electronic unit
4. router
5. central mounting block
6. chassis electrical unit
7. TEMS electronic unit
8. passenger side mounting block
9. amplifier transponder
10. stability control (VSC) buzzer
11. electronic control unit SRS

12. driver's side mounting block
13. Selector lever lock electronic control unit
14. deceleration sensor (4WD)
15. deceleration sensor lateral movement sensor (with VSC)

Fuse box

Under the panel on the driver and passenger side, there are 2 fuse boxes and are covered with protective covers.



Driver side box

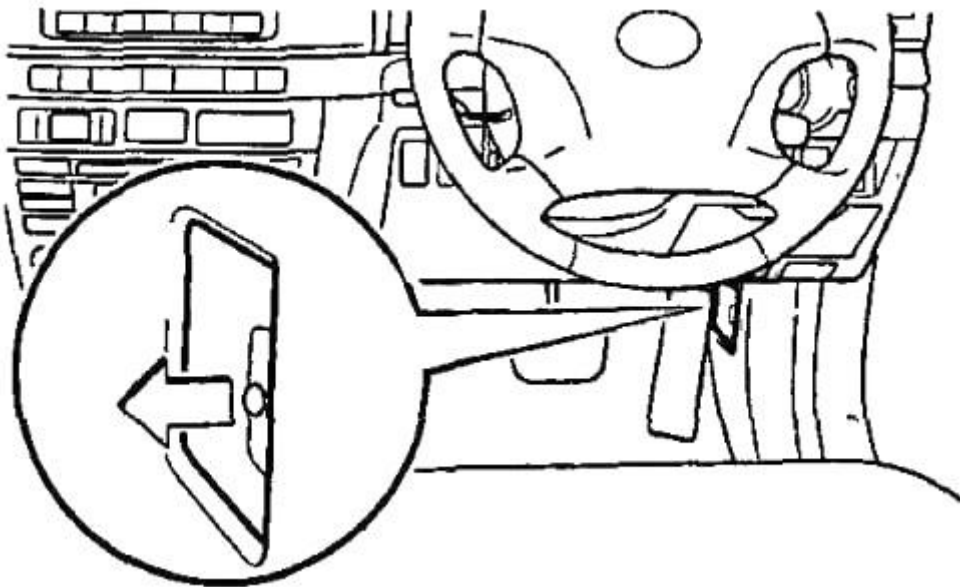
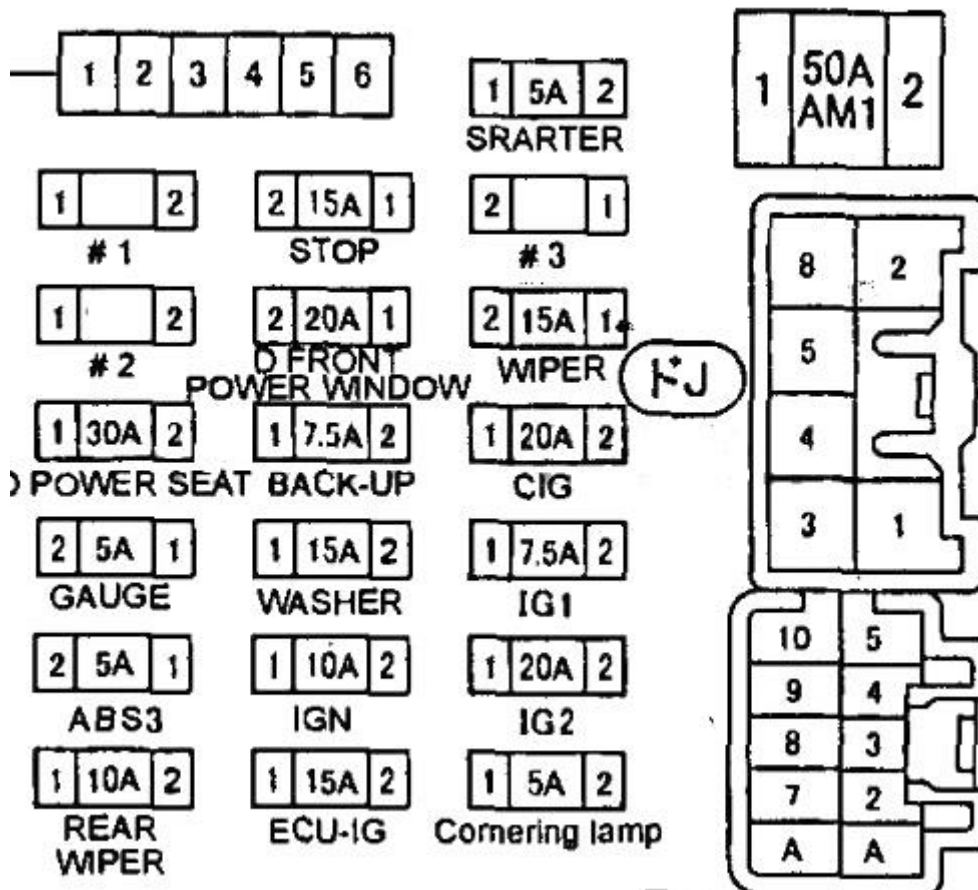


Diagram from the box cover



Diagram



Designation

CORNERING LAMP 5A

turn lights

STARTER 5A

launch system

engine management system

GAUGE 5A

charging system

engine management system

electronic control system of automatic transmission

IG1 7.5 A

electric fan drive

BACK-UP 7,5A

charging system

engine management system (models with 1JZ-GTE engine)

electronic control system of automatic transmission

instrument cluster

speed control system

reversing lights

IGN 10A

engine management system
electronic control system of automatic transmission
SRS system
immobilizer system
speed control system

REAR WIPER 10A

rear window cleaner and washer

WASHER 15A

windshield wiper and washer
rear window wiper and washer

ECU-IG 15A

anti-lock braking system (2WD models without TRC and without VSC)
anti-lock braking system (4WD models)
anti-lock braking system (models with TRC and with VSC)
SRS-TEMS system
power steering
switching lock
MULTIPLEX system
electric windows
electric sunroof
key left in the ignition lock warning system
seat belt warning and tension release system
automatic lighting control system
interior lighting lamps
automatic air conditioner
air purifier (top)
parking system (sedan, models from 10.2002)
audio system (models from 12.2003)

STOP 15A

brake lights

CIG 15A

cigarette lighter
connector for additional equipment (station wagon)

D FRONT POWER WINDOW 20A

Power windows (models manufactured before 05.2003)

IG2 20A

ignition system
engine management system (models with 1G-FE engine)
engine management system (models with 1JZ-GE engine).
engine management system (models with 1JZ-GTE engine)

WIPER 20A

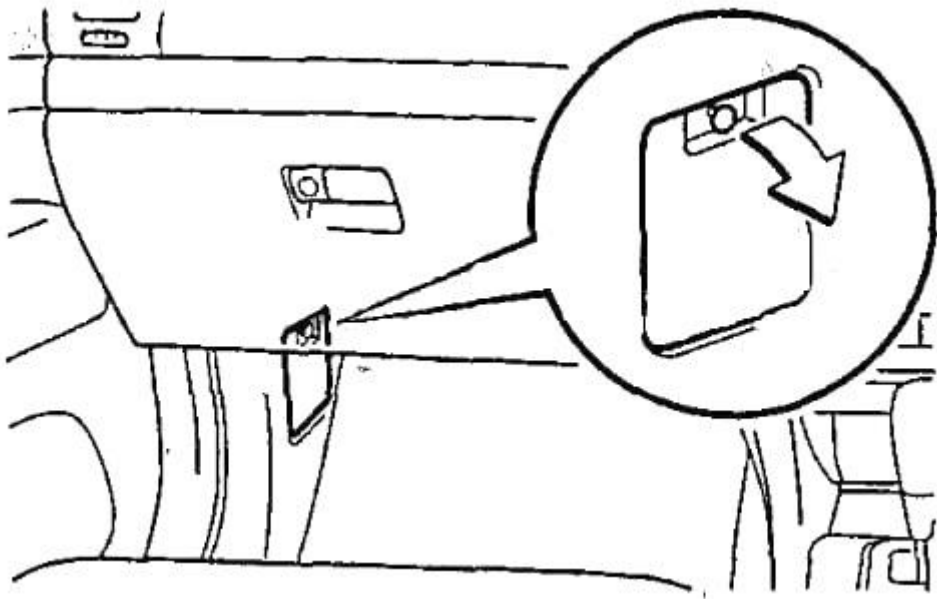
windshield wiper and washer

D POWER SEAT 30A

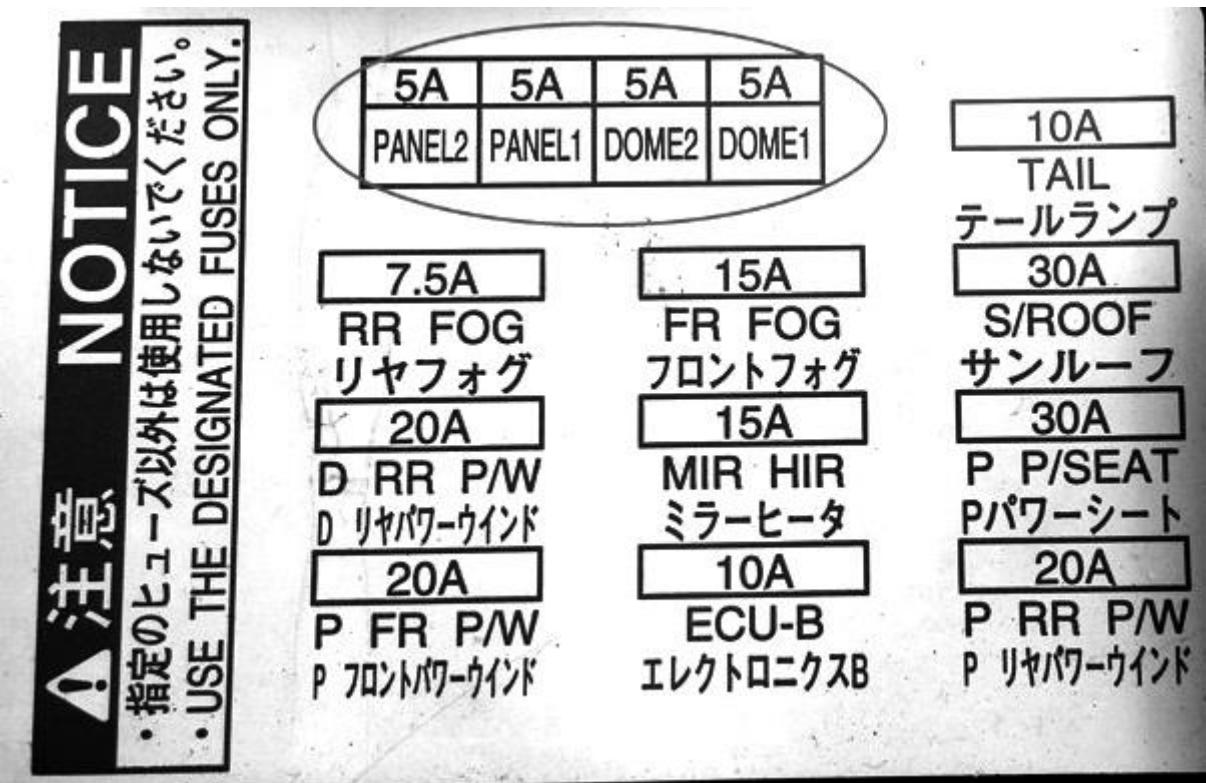
electric driver's seat

The cigarette lighter fuse is marked as CIG, circled in red in the diagram.

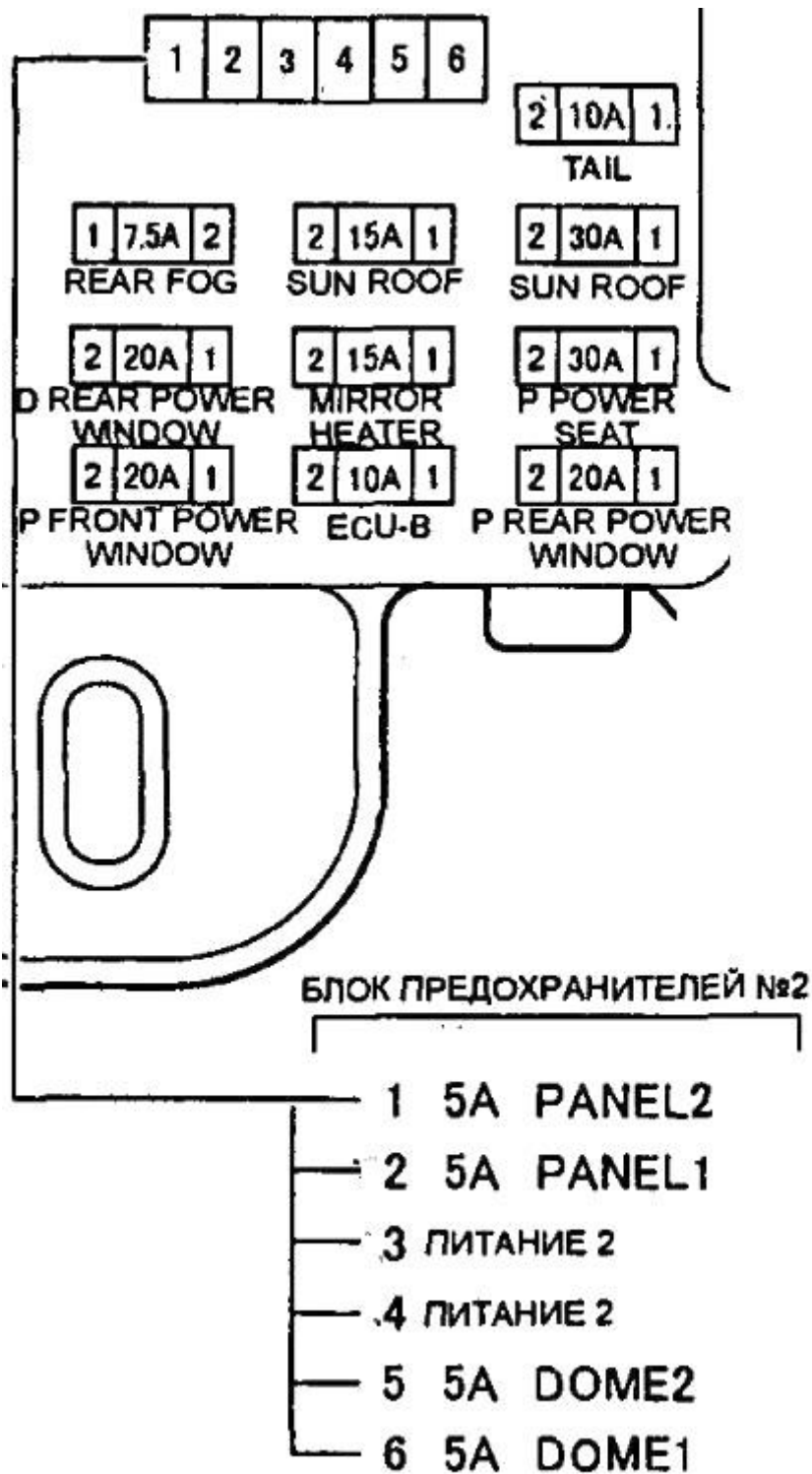
Passenger side box



Example of a diagram from the box cover



Diagram



Appointment

DOME1 5A

interior lighting lamps
air purifier (top)

DOME2 5A

watch

PANEL1 5A

watch
backlight

PANEL 25A

backlight

REAR FOG 7.5A

fog lights (rear)

ECU-B 10A

engine management system
electronic control system of automatic transmission
anti-lock braking system (4WD models).
anti-lock braking system (models with TRC and with VSC) -TEMS
central locking
electric windows
automatic lighting control system
parking system (sedan, models from 10.2002)
audio system (models from 12.2003 onwards)

TAIL 10A

fog lights (rear)
dimensions

FR FOG 15A

fog lights (front)

MIRROR HEATER 15A

heater of mirrors and defroster of brushes

D REAR POWER WINDOW 20A

power windows (rear)

P FRONT POWER WINDOW 20A

power windows (front)

P REAR POWER WINDOW 20A

electric windows

P POWER SEAT 30A

electric passenger seat

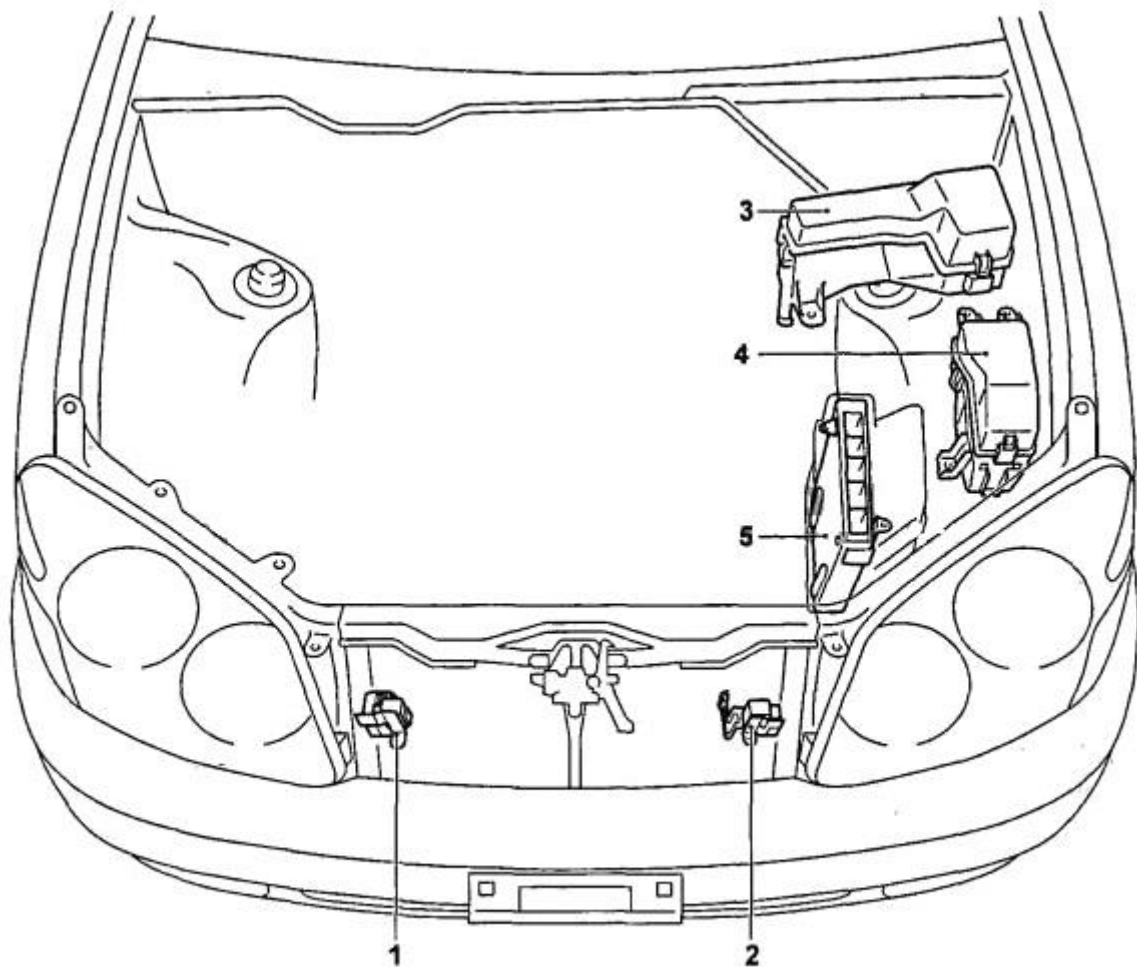
SUN ROOF 30A

electric sunroof

Engine compartment

Location

General arrangement of boxes under the hood

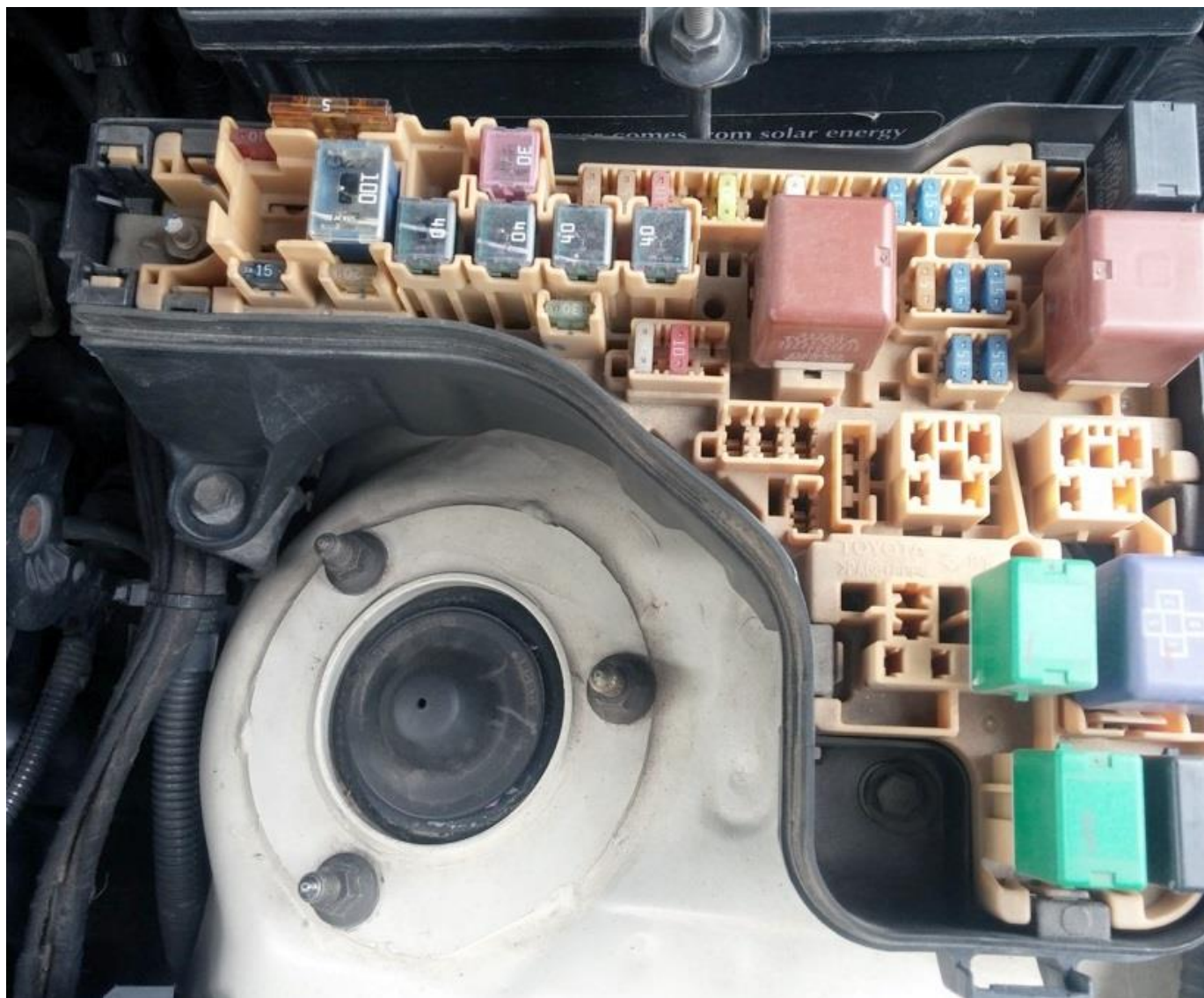


Decoding

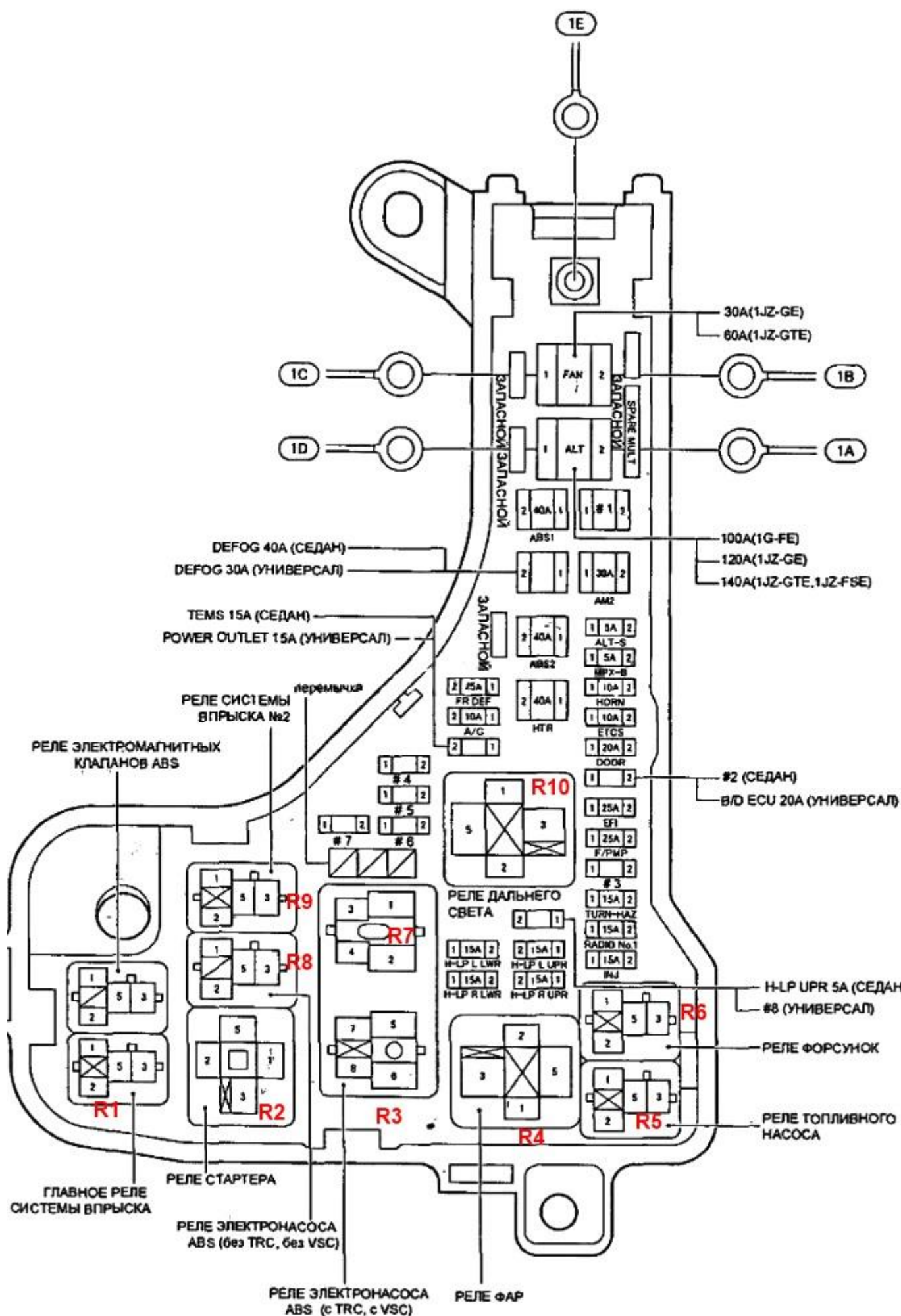
1. airbag sensor (front right)
2. airbag sensor (front left)
3. relay and fuse box in the engine compartment
4. relay and fuse box in the engine compartment No. 2
5. electronic engine control unit

Relay and fuse box

It is on the left side, next to the counter.



Diagram



Assignment

ALT-S 5A

charging system

H-LPUPR 5A

fog lights (sedan)

MRH-B 5A

charging system

engine management system

electronic control system of automatic transmission

anti-lock braking system (2WD models without TRC and without VSC)

anti-lock braking system (4WD models)

anti-lock braking system (models with TRC and with VSC)

SRS system

MULTIPLEX system

central locking (sedan)

key left in the ignition lock warning system

immobilizer system

seat belt warning and tension release system

instrument cluster

automatic lighting control system

automatic air conditioner

speed control system

MULTIPLEX system (tailgate drive – station wagon)

rear door closer system “EASY CLOSE” (station wagon)

audio system (models from 12.2003)

A / C 10A

automatic air conditioner

ETCS 10A

engine management system (models with 1JZ-GE engine)

engine management system (models with 1JZ-GTE engine)

engine management system (models with 1JZ-FSE engine)

electronic control system of automatic transmission (models with 1JZ-GE engine)

electronic control system of automatic transmission (models with 1JZ-GTE engine)

electronic control system of automatic transmission (models with 1JZ-FSE engine)

speed control system HORN 10A

sound signal H-LPLLWR 15A

headlights

H-LPLUPR 15A

instrument cluster

headlights

fog lights (sedan)

H-LPRLWR 15A

headlights.

H-LPRUPR 15A

headlights

fog lights (sedan) INJ15A

engine management system (models with 1JZ-FSE engine)

POWER OUTLET 15A

connector for additional equipment (station wagon)

RADIO No. 1 15A

audio system (models released since 12.2003)

TEMS 15A

TURN-HAZ 15A

direction indicators and hazard warning lights

B / DECU 20A

MULTIPLEX system

MULTIPLEX system (tailgate drive – station wagon

central locking (station wagon)

EASY CLOSE rear door closer system (station wagon)

DOOR 20A

MULTIPLEX system

central locking

key left in the ignition lock warning system

automatic lighting control system

EFI 25A

engine control system

electronic control system of automatic transmission

immobilizer system

F / PMP 25A

engine management system (models with 1JZ-FSE engine)

FRDEF 25A

heater of mirrors and defroster of brushes

AM2 30A

launch system

ignition system

DEFOG 30A

rear window heater (station wagon)

FAN 30A

electric fan drive (models with 1JZ-GE motor)

ABS1 40A

anti-lock braking system (2WD models without TRC and without VSC)

anti-lock braking system (4WD models)

anti-lock braking system (models with TRC and with VSC)

ABS2 40A

anti-lock braking system (2WD models without TRC and without UBS)

anti-lock braking system; brakes (4WD models)

anti-lock braking system (models with TRC and with VSC)

DEFOG 40A

rear window heater, (sedan)

HTR 40A

automatic air conditioner

FAN 60A

electric fan drive (models with 1JZ-GTE motor)

ALT 100 A

charging system

electric windows (models produced before 05.2003)

watch

fog lights

automatic \ lighting control system

dimensions

backlight

ALT 100 A

electric window regulator (models from 05.2003 onwards)

ALT 120 A

charging system

electric windows

watch

fog lights

automatic lighting control system

dimensions

backlight

ALT 140 A

charging system

electric windows

watch

fog lights

automatic lighting control system

dimensions

backlight

- R1 – main relay of the injection system
- R2 – starter relay
- R3 – ABS electric pump relay
- R4 – headlight relay
- R5 – fuel pump relay
- R6 – injector relay
- R7 – ABS electric pump relay
- R8 – relay of the ABS electric pump
- R9 – injection system relay
- R10 – high beam relay

Relay and fuse box No. 2

Diagram

РЕЛЕ ОБОГРЕВАТЕЛЯ
ЗАДНЕГО СТЕКЛА

РЕЛЕ 3
СИГНА

РЕЛЕ TEMS (СЕДАН)
РЕЛЕ ДОПОЛНИТЕЛЬНЫХ
ПОТРЕБИТЕЛЕЙ (УНИВЕРСАЛ)

РЕЛЕ КОН

ПОМЕХОПОД
ФИЛЬТР (ОБ
ЗАДНЕГО СТ

РЕЛЕ АНТИОБ
ЩЕТОК

РЕЛЕ №1
ЭЛЕКТРОДВИГАТЕЛЯ
ВЕНТИЛЯТОРА

РЕЛЕ ОБ
ЗЕРКАЛ

РЕЛЕ №
ЭЛЕКТР
ВЕНТИЛ

РЕЛЕ ТОПЛИВНОГО НАСОСА



Designation

- R1 – TEMS relay
- R2 – Rear window defogger relay
- R3 – Horn relay
- R4 – Air conditioner relay
- R5 – Brush defroster relay
- R6 – Heated mirror relay
- R7 – Fan motor relay
- R8 – Fuel pump relay
- R9 – Fan motor relay