

Toyota Premio T240 Allion – fuse and relay

Toyota Premio T240 was produced in 2001, 2002, 2003, 2004, 2005 and 2006 on a common basis with **Toyota Allion**. During this time, the model has been restyled. The Premio and Allion T240 share the same engines and interior. However, Allion has a more sporty look. In this material, we will show the locations of all electronic control units, a complete description of fuses and relays Toyota Premium T240 (Toyota Allion) with box diagrams and their locations. Let's highlight the fuse responsible for the cigarette lighter.

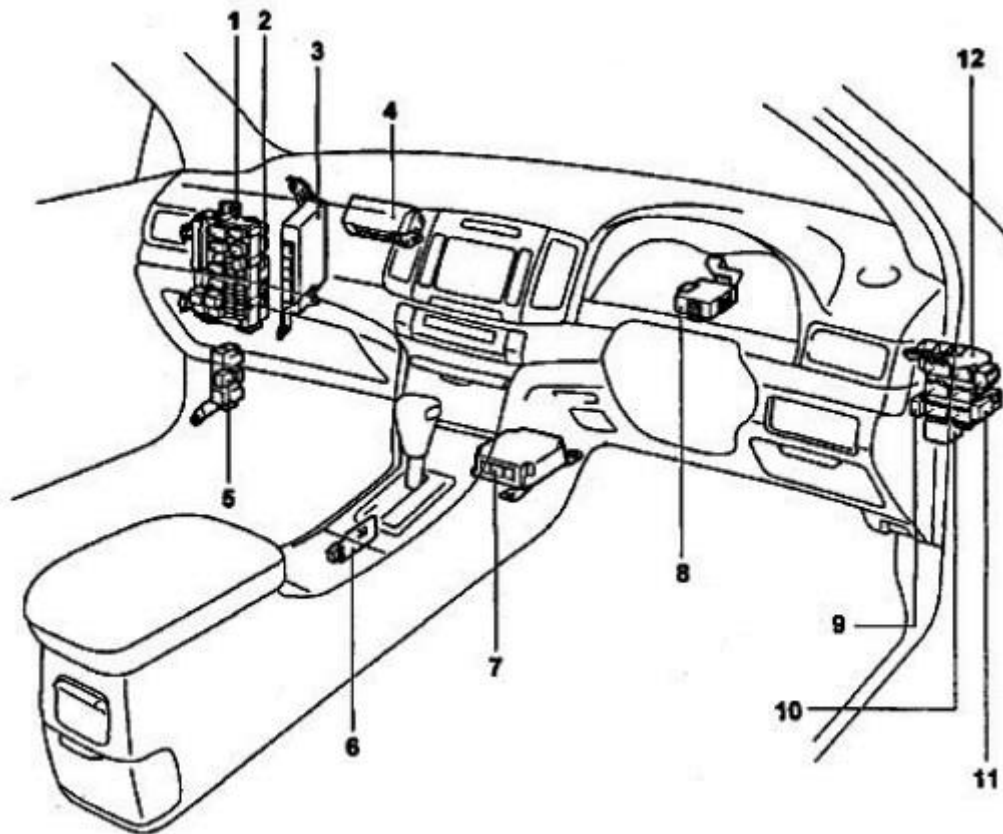


The execution of the boxes and the number of elements in them may differ from the one presented. Check the designation with your diagrams.

Passenger compartment

Location

General layout of electronic control units



Designation

1. fuse and relay mounting box under the dashboard
2. MULTIPLEX control unit
3. electronic engine control unit
4. air conditioner electronic control unit
5. fuel pump relay
6. Selector lever lock electronic control unit
7. SRS control unit
8. parking electronic unit
9. fog lamp relay
10. turn signal interrupter relay
11. brush de-icer relay
12. central mounting box.

Fuse and relay box

The fuse and relay mounting box is located in the passenger compartment under the dashboard on the left.



Example of designation on the back of the cover.

IGN イグニッション	15A	POWER パワー	
PANEL 1 パネル 1	7.5A	TAIL テールランプ	10A
RR FOG リヤフォグ	7.5A	FR DEF フロントデフォッガ	15A
FR FOG フロントフォグ	15A		
AM1	25A		
PANEL 2 パネル 2	7.5A	FR P/W フロントパワーウィンド	30A
		DOOR ドア	20A
		WIPER ワイパ	20A
RR WIP リヤワイパ	15A	ECU-IG エレクトロニクス-IG	7.5A
CIG ライタ	15A	RR DEF リヤデフォッガ	30A
A/C エアコン	10A	GAUGE メータ	10A
MIR HTR ミラーヒーター	10A	STOP ストップ	15A
ACC	7.5A		

Assignment

1 IGN 15A	engine management system and automatic transmission (models with 1ZZ-FE, 1AZ-FSE, 1NZ-FE engine)
	electric fan drive (models with 1NZ-FE, 1ZZ-FE motors)
	ABS airbags and seat belt pretensioners
2 PANEL1 7,5A	interior lighting lamps
3 RR FOG 7,5A	fog lights (rear)

4 FR FOG 15A	fog lights (front)
5 AM1 25A	launch system
6 PANEL2 7,5A	audio system (models with audio preparation)
	audio system (models without navigation system)
	audio system (models with navigation system) and rear view system
	fog lights
	backlight
	air conditioner
7	—
8 RRWIP 15A	rear window cleaner and washer
9 CIG 15A	fuse cigarette lighter
10 A/C 10A	electric fan drive (models with 1AZ-FSE engine)
	seat belt warning and tension release system
	air conditioner
	rear window defroster and mirror defroster
11 MIR HTR 10A	rear window defroster and mirror defroster
12 ECU-ACC 7,5A	MULTIPLEX system
	electric mirrors
	warning system about the left in the ignition key and the switched off lighting
	audio system (models with audio preparation)
	audio system (models without navigation system)
	audio system (models with navigation system) and rear view system

	headlights (models with xenon headlights)
	headlights (except models with xenon headlights)
	fog lights
	dimensions
	interior lighting lamps
	air conditioner
13 PWR 30A	electric windows
14 TAIL 10A	MULTIPLEX system
	warning system about the left in the ignition key and the switched off lighting
	instrument cluster
	dimensions
	engine management system and automatic transmission (models with 1NZ-FE, 1ZZ-FE, 1AZ-FSE engine)
15 FR DEF 15A	engine management system and automatic transmission (models with 1NZ-FE engine)
	engine management system and automatic transmission (models with 1ZZ-FE engine)
	engine management system and automatic transmission (models with 1AZ-FSE engine)
	anti-icer brushes
16 FR P/W 30A	electric windows
17 DOOR 20A	MULTIPLEX system
	central locking
18 WIPER 20A	rear window cleaner and washer

19 ECU-IG 7,5A	charging system
	electric fan drive (models with 1NZ-FE, 1ZZ-FE motors)
	electric fan drive (models with 1AZ-FSE motor) - ABS
	switching lock
	seat belt warning and tension release system
	audio system (models with navigation system) and rear view system
	parking system
20 RR DEF 30A	rear window defroster and mirror defroster
21 GAUGE 10A	charging system
	Engine management system and automatic transmission (models with 1NZ-FE engine)
	engine management system and automatic transmission (models with 1ZZ-FE engine)
	engine management system and automatic transmission (models with 1AZ-FSE engine)
	ABS
	airbags and seat belt pretensioners
	MULTIPLEX system
	central locking
	electric windows
	warning system about the left in the ignition switch and the switched off lighting
	seat belt warning and tension release system
	instrument cluster

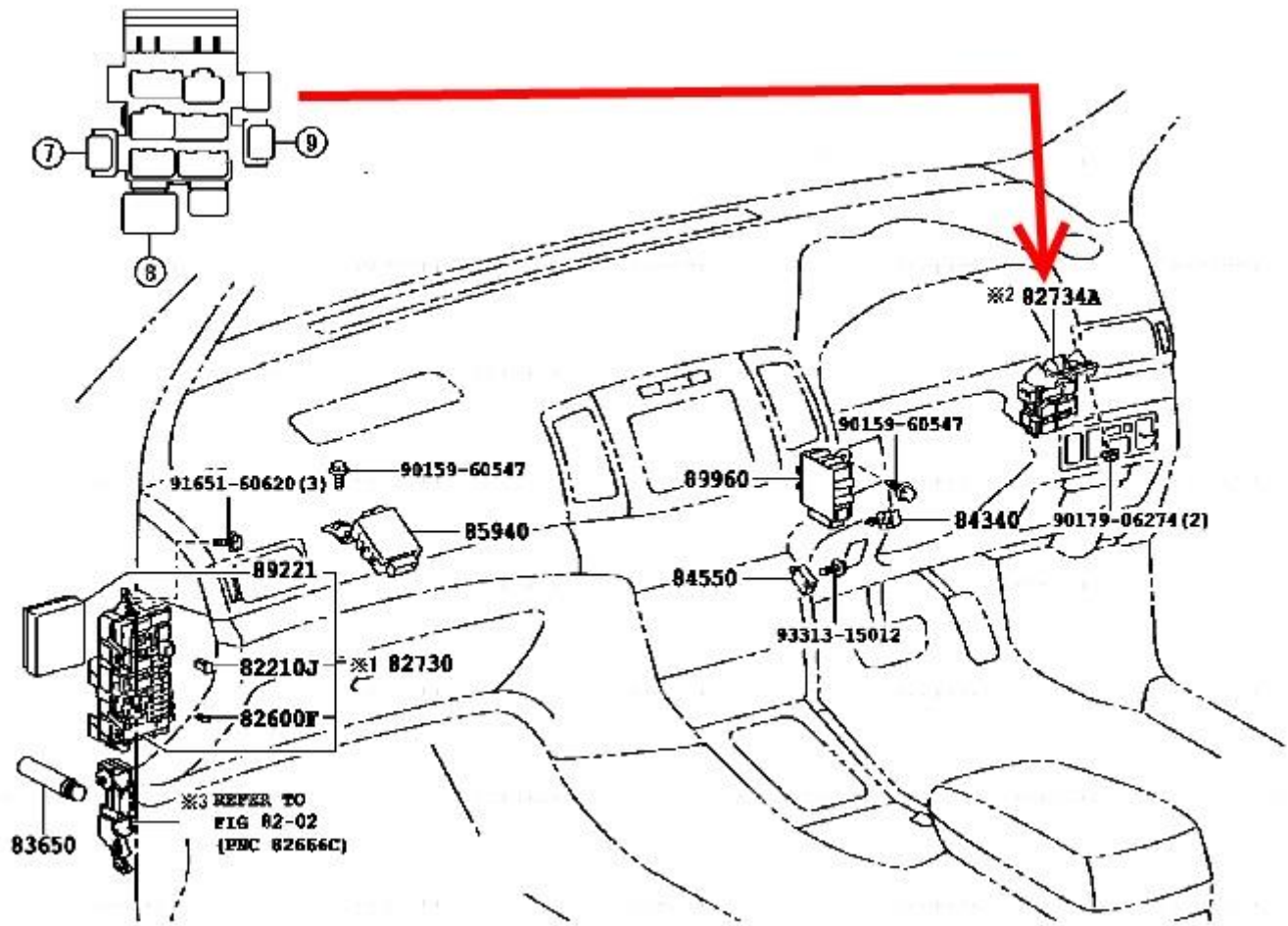
	audio system (models with audio preparation)
	audio system (models with navigation system) and rear view system
	headlights (models with xenon headlights)
	headlights (except models with xenon headlights)
	fog lights
	dimensions
	reversing lights
	direction indicators and hazard warning lights
	interior lighting lamps
	air purifier * 1
	anti-icer brushes
	parking system
22 STOP 15A	engine management system and automatic transmission (models with 1NZ-FE engine)
	engine management system and automatic transmission (models with 1ZZ-FE engine)
	engine management system and automatic transmission (models with 1AZ-FSE engine)
	ABS
	switching lock
	brake lights

The fuse number 9, 15A, is responsible for the cigarette lighter.

- R1 – Heater relay
- R2 – IGN Relay
- R3 – Rear window defogger relay
- R4 – Relay dimensions

Central box

In the diagram it is indicated under the number 12.



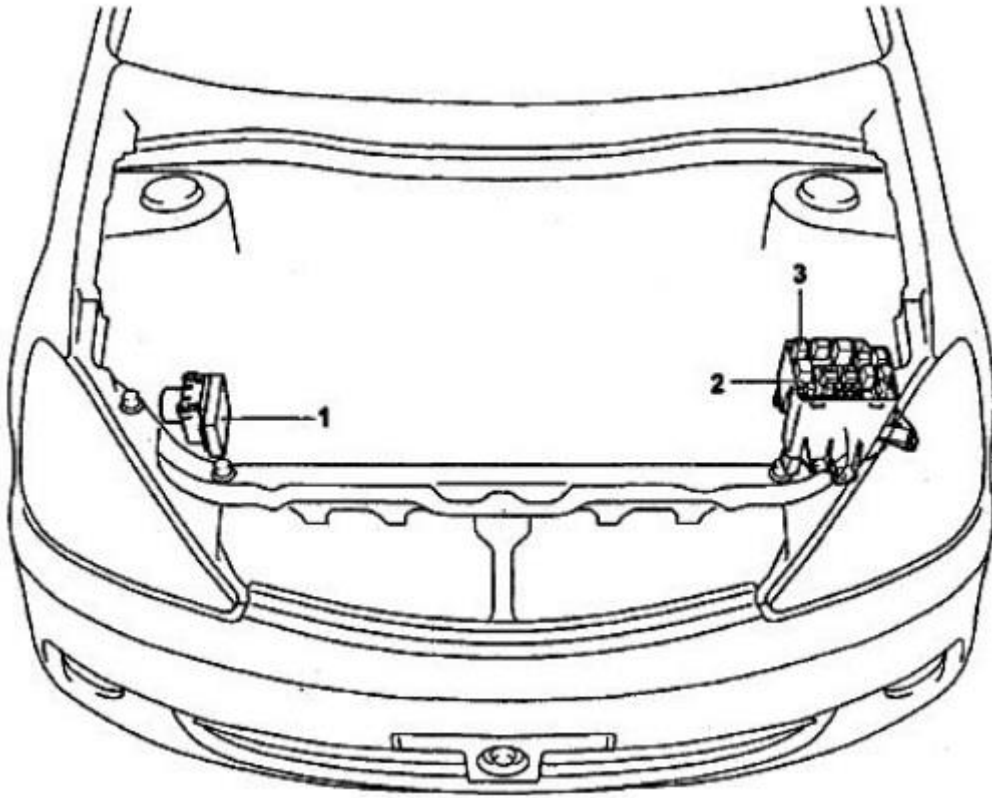
Decoding

- 7 – the Relay of fog lights
- 8 – Relay of direction indicators (in the general diagram indicated under the number 10)
- 9 – the Relay of a cleaner of a windshield

Engine compartment

Location

Diagram



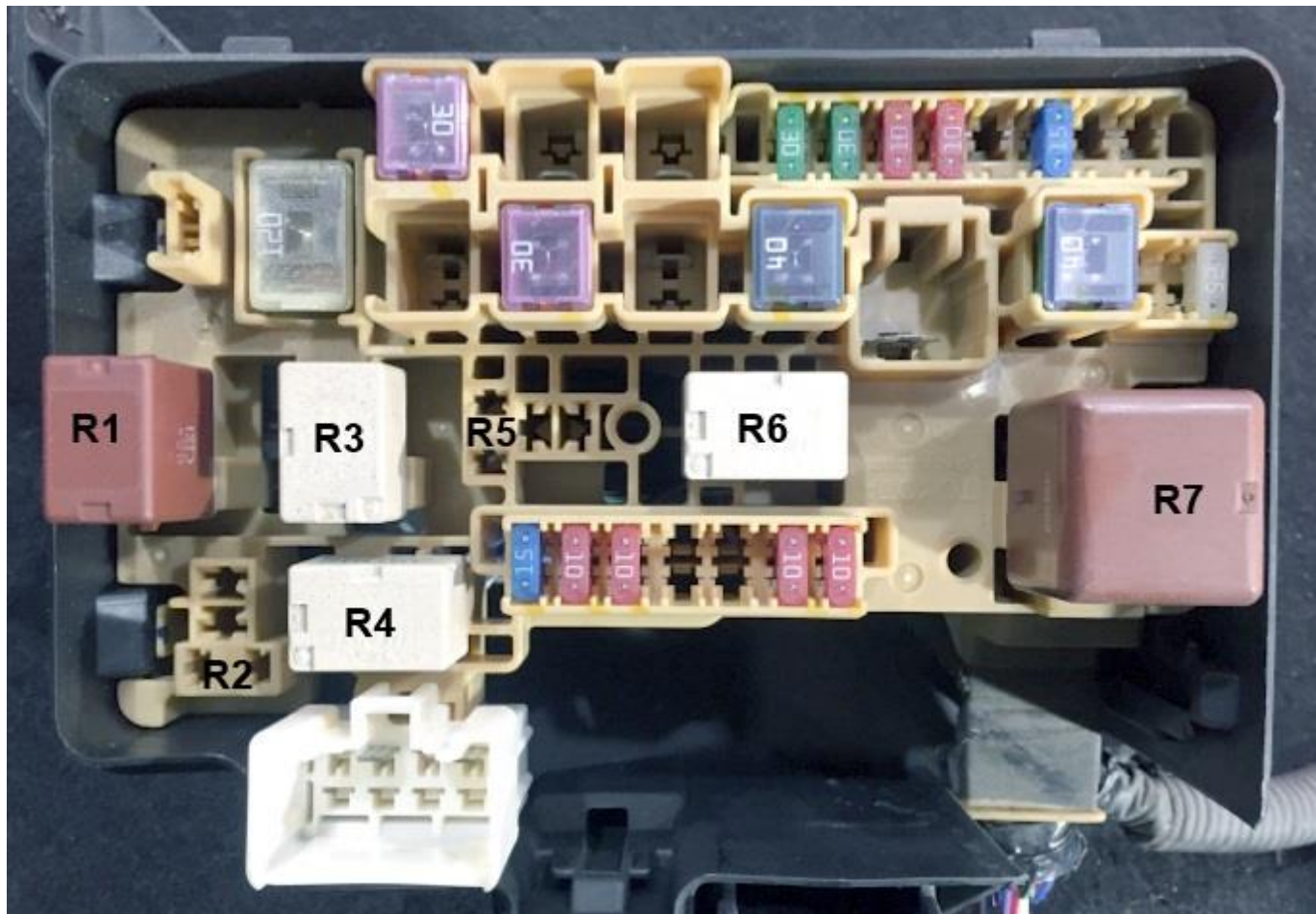
Assignment

- hydraulic unit ABS
- mounting box for fuses and relays in the engine compartment
- box №2 in the engine compartment.

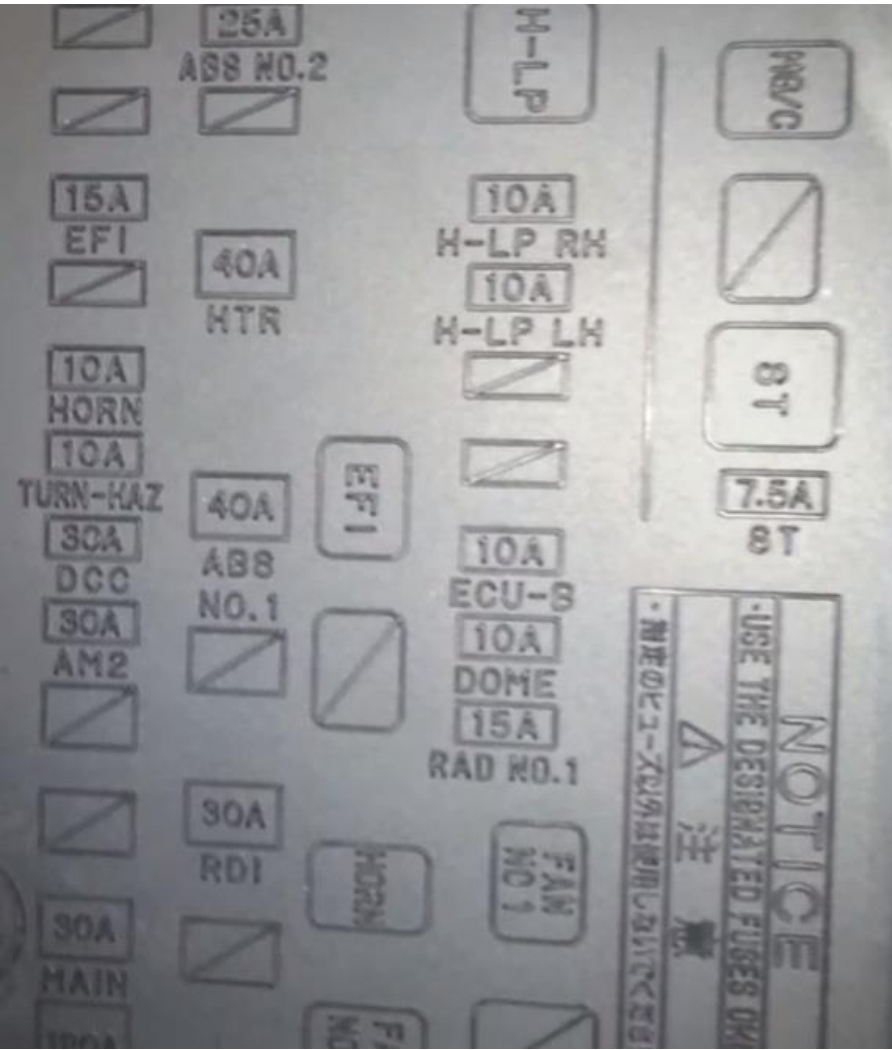
Mounting box

Located on the left side, next to the battery.

Photo – scheme



Example of designation from the cover



Protected components

10A DOME	MULTIPLEX system
	interior lighting lamps
	central locking (models from 12.2004)
10A ECU-B	charging system
	engine management system and automatic transmission (models with 1NZ-FE engine)
	electric fan drive (models with 1AZ-FSE engine)
	ABS
	airbags and seat belt pretensioners
	MULTIPLEX system

	central locking
	electric windows
	warning system about the left in the ignition switch and the switched off lighting
	seat belt warning and tension release system
	instrument cluster, audio system (models with navigation system) and rear view system
	headlights
	fog lights
	dimensions
	reversing lights
	interior lighting lamps
	air conditioner
10/15A H-LP LH	headlights (xenon / non-xenon)
10A H-LP LH HI	headlights xenon
10/15A H-LP RH	headlights (xenon / non-xenon)
10A H-LP RH HI	headlights xenon
10A TURN-HAZ	direction indicators and hazard warning lights
10A HORN	sound signal
15/20A EFI	engine management system and automatic transmission (models with 1NZ-FE engine)
	engine management system and automatic transmission (models with 1ZZ-FE engine)
	engine management system and automatic transmission (models with 1AZ-FSE engine)
	electric fan drive (models with 1NZ-FE, 1ZZ-FE motors)

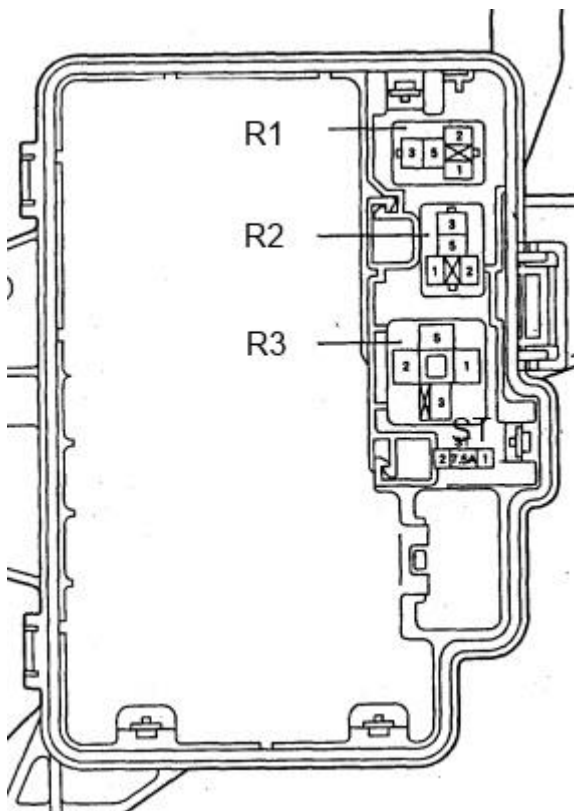
	electric fan drive (models with 1AZ-FSE engine)
	15A – 1AZ-FSE. 20A – models from 12.2004 onwards
15A EFI2	engine management system and automatic transmission (models with 1AZ-FSE engine)
10/15A ETCS	engine management system and automatic transmission (models with 1AZ-FSE engine)
	engine management system and automatic transmission (2WD models with 1ZZ-FE engine)
	10A – models from 12.2004 onwards
15A RADIO №1	Radio cassette
25A ABS №2	ABS
30A AM2	launch system
30A CDS	electric fan drive (models with 1AZ-FSE engine)
40A ABS №1	ABS
40A HTR	air conditioner
30A MAIN	headlights
30A RDI	electric fan drive
120A ALT	charging system
	launch system
	MULTIPLEX system
	dimensions
	backlight
	rear window heater and
	mirror heater
20A DOOR	MULTIPLEX system

	central locking
	models since 12.2004
30A DCC	audio system (models with audio preparation)
	models since 12.2004

- R1 – Fan motor relay 2
- R2 – Relay 3 fan motor
- R3 – Horn relay
- R4 – Relay 1 fan motor
- R5 – Relay 2 injection system
- R6 – Relay 1 injection system
- R7 – Headlight relay

Box №2

Diagram



Circuits protected

- R1 – Relay of the electromagnetic clutch of the air conditioning compressor
- R2 – Relay for nozzles
- R3 – Starter relay

- ST – 7.5A starter fuse, starting system, engine management system and automatic transmission