

Toyota Avensis 1G fuse and relay

The 1st generation **Toyota Avensis** was produced in 1997, 1998, 1999, 2000, 2001, 2002 and 2003 with various body options – sedan, liftback and station wagon and was marked **T 210 / 220**. During this time, the model was restyled. In this article you will find information describing the locations of all electronic control units, a detailed assignment of fuses and relays Toyota Avensis 1 with box diagrams and photo examples of execution. Note the cigarette lighter fuse.



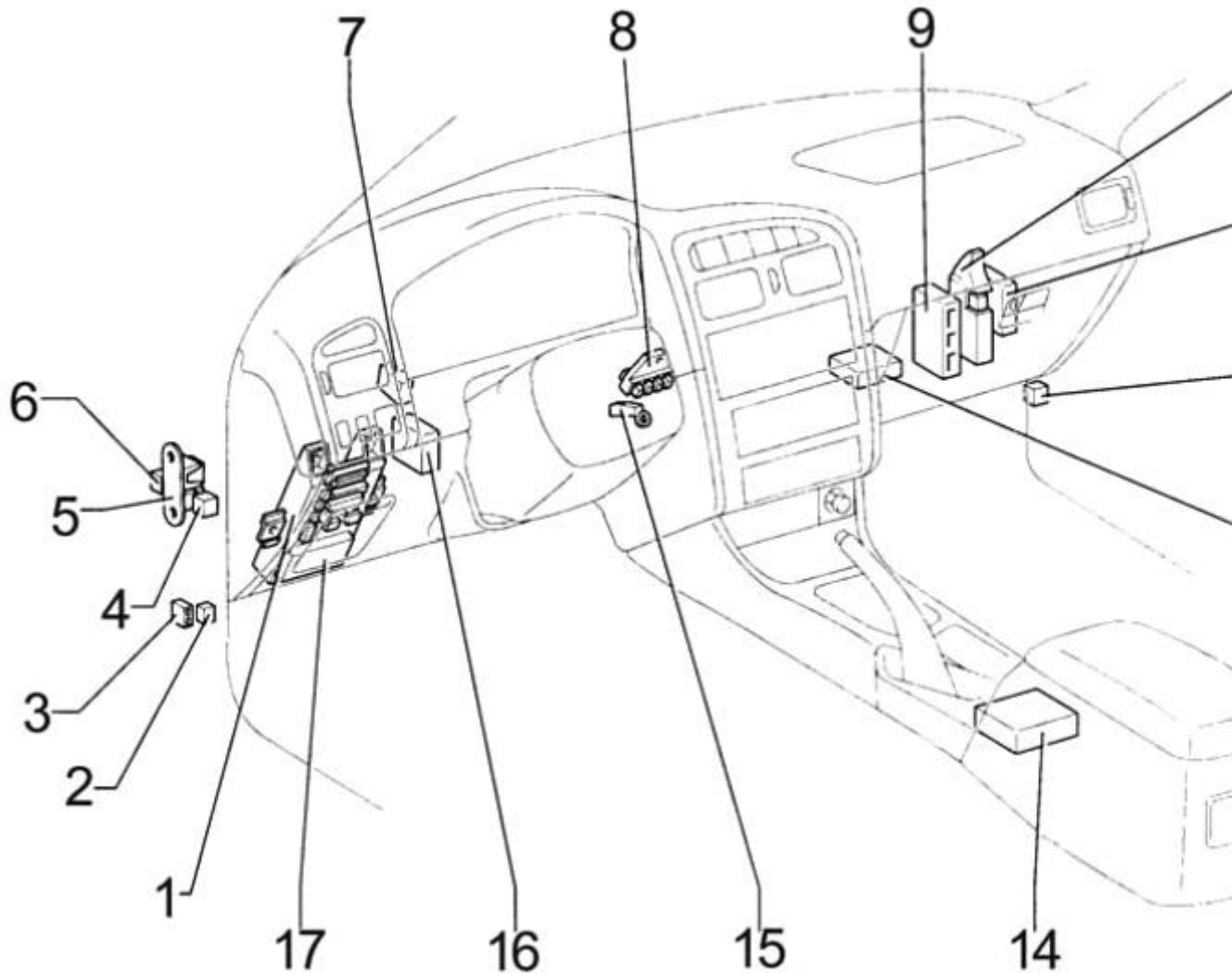
The arrangement of the boxes and the number of elements in them may differ from the one shown and depend on the year of manufacture, the level of electrical equipment and the region of delivery of your car.

Passenger compartment

Location

General block layout

LHD

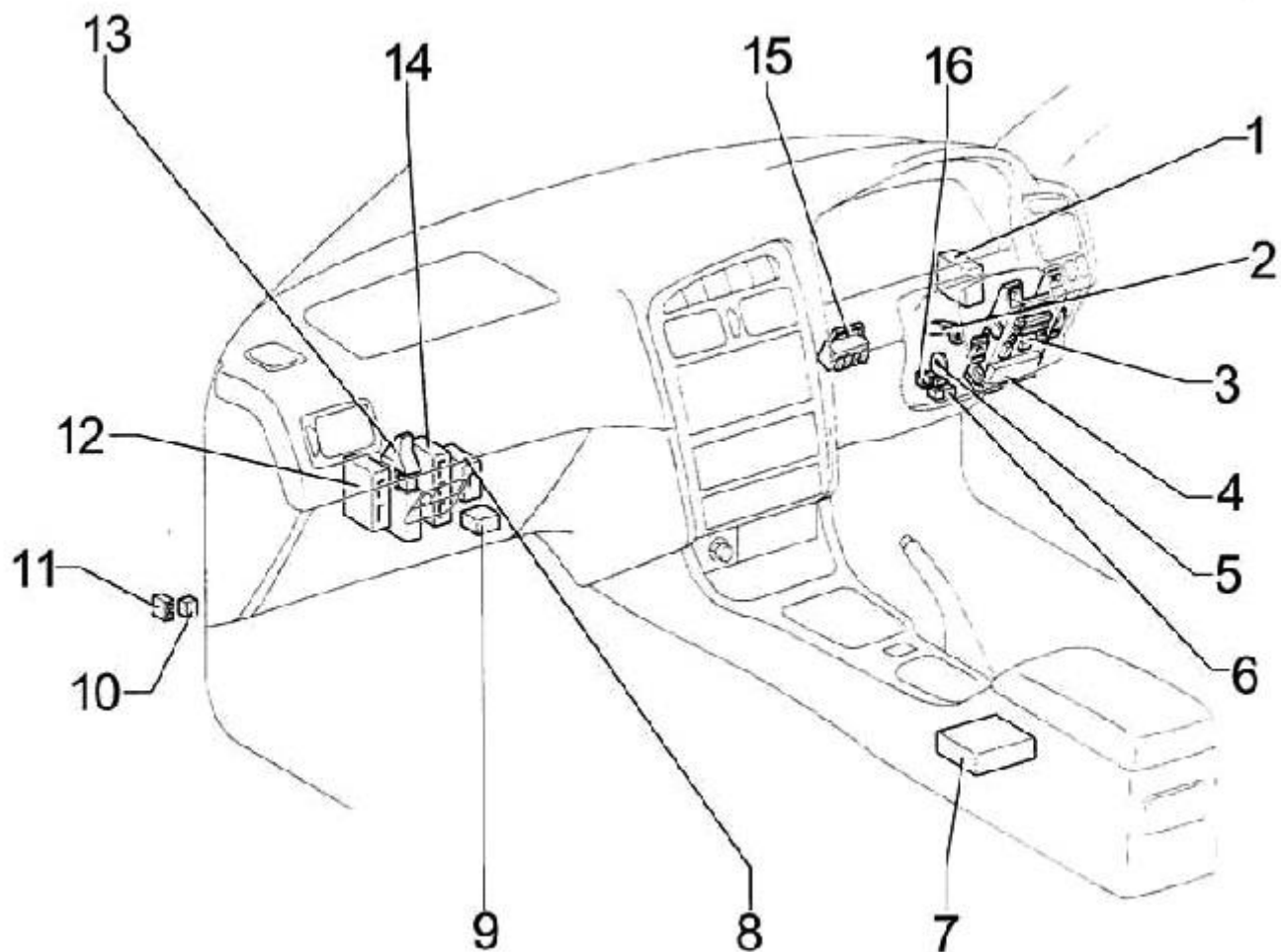


Appointment

1. Fuse box
2. Seat heating relay
3. Additional fuse box
4. Front fog light relay
5. Relay box
6. Heated rear window relay
7. Daytime running light relay
8. Distribution block
9. Engine and automatic transmission control unit (A / T)
or
Engine control unit (M / T)
10. Additional relay box

11. Air conditioner amplifier (automatic air conditioner)
12. Fuel Pump Relay (Circuit Opening)
13. Air conditioner amplifier (mechanical air conditioner)
14. Central airbag unit
15. Central locking control unit
16. Key transponder control unit
17. Integrated relay

RHD



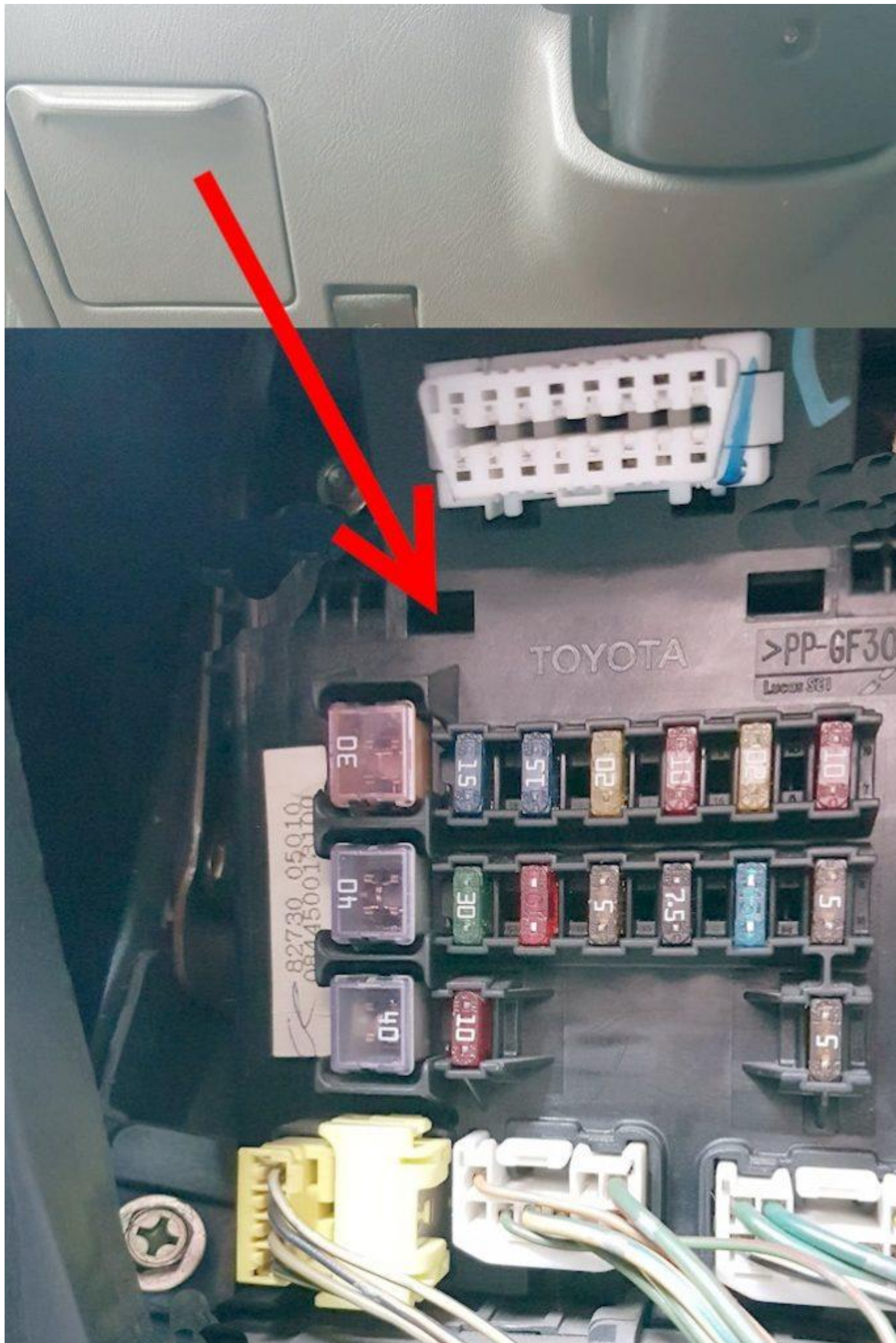
Description

1. Central locking control unit
2. Key transponder control unit
3. Fuse box
4. Integrated relay
5. Relay box

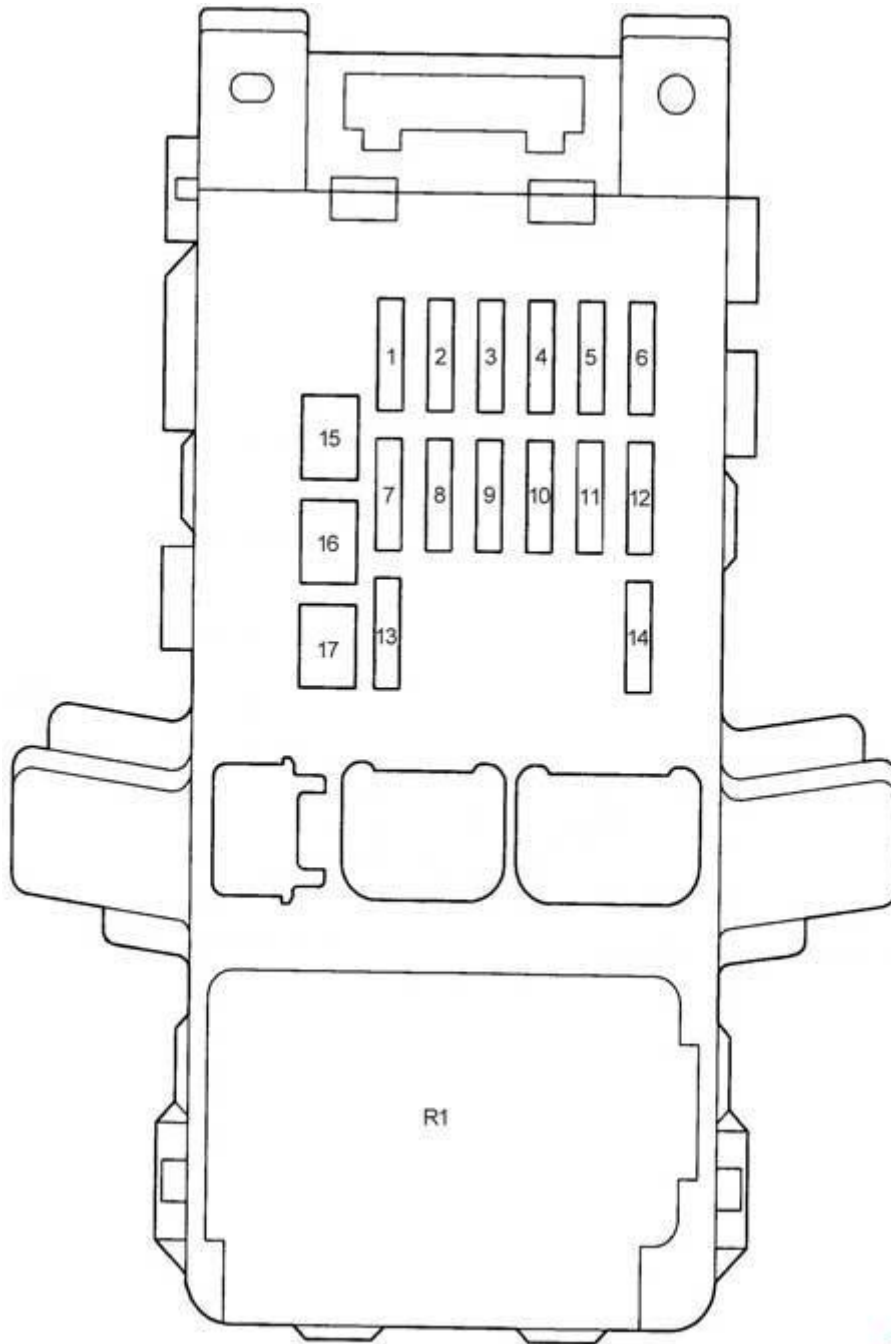
6. Heated rear window relay
7. Central airbag unit
8. Anti-theft control unit
9. Air conditioner amplifier (mechanical air conditioner)
10. Fuel Pump Relay (Circuit Opening)
11. Additional fuse box
12. Air conditioner amplifier (automatic air conditioner)
13. Additional relay box
14. Engine and automatic transmission control unit (A / T)
or
Engine control unit (M / T)
15. Distribution block
16. Front fog light relay

Fuse box

It is located at the bottom of the dashboard behind a protective cover.



Diagram



Assignment

1	15A FR FOG – Front Fog Light, Front Fog Light Relay, Front Fog Light Indicator
2	15A SEAT HTR – Heated Seats, Heated Seat Relay, Heated Seat Switch
3	20A FR DEF – Heated rear window relay, heated wiper zone, idle diode
4	10A GAUGE – Instrument cluster, air conditioning compressor clutch, alternator, 3-position pressure sensor, ABS control unit, air conditioning amplifier, reversing lamp switch, low brake fluid sensor, brake vacuum sensor, heater switch, ABS indicator, daytime running relay lights, rear window heating relay, wiper zone heating switch,

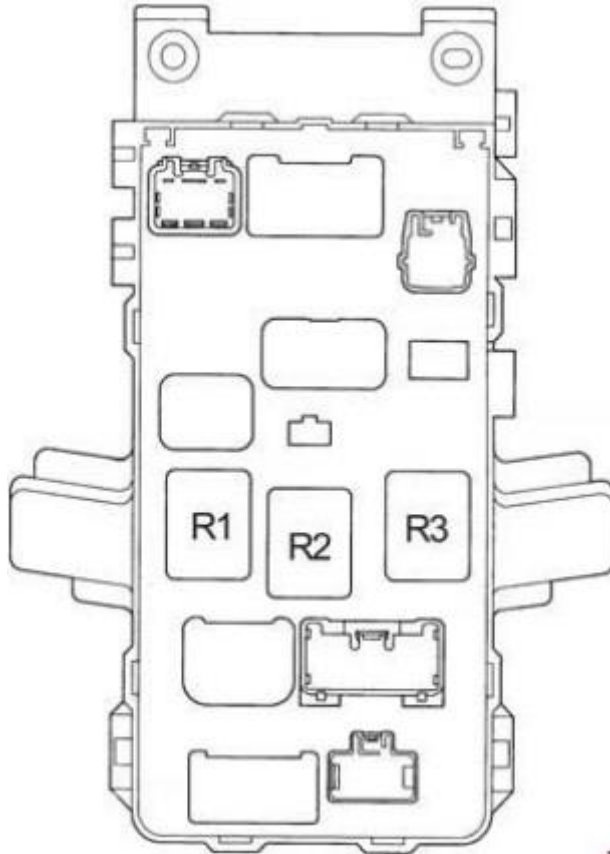
	power window diode, engine control unit, gearbox control unit, speed sensor, reversing lamps, rear window heating switch, seat heating relay, anti-theft system control unit, central locking, manual switch brakes, heated rear window relay, air conditioning compressor clutch relay, heater relay, power relay (power windows), integrated relay, oil pressure sensor, overdrive switch, neutral switch, residual fuel level sensor
5	20A WIPER – Front wiper and washer, rear wiper and washer, headlight washer
6	10A IGN – ABS control unit, alternator, low brake fluid sensor, brake vacuum sensor, central airbag unit, ABS indicator, battery charge indicator, instrument cluster, engine control unit, gearbox control unit, engine control unit diode, coil ignition, ignition suppression filter, IIA, key transponder control unit, EFI relay, overdrive switch, oil pressure switch, hand brake switch
7	30A DOOR – Integrated relay (central locking)
8	10A TAIL – Side light, ashtray light, instrument cluster light, light switch, air conditioner, heater, front fog light switch, daytime running light relay, wiper zone heating switch, engine control unit, gearbox control unit, glove box lighting, headlights, headlight range control, hazard warning switch, headlight washer, license plate light, audio system, overdrive switch, heated rear window switch, heated seats, integrated relay, rear fog light relay
9	5A ST – Starter relay, engine control unit, transmission control unit
10	7.5A TURN – Direction indicators, direction indicator indicator, alarm switch, direction indicator relay
11	15A CIG & RAD – Cigarette lighter, cigarette lighter lighting, integrated relay, central airbag unit, audio system, power mirrors
12	5A EGU-IG – Cooling fan relay (FAN NO.1, FAN NO.2, FAN NO.3), anti-theft alarm, air conditioning, engine control unit, gearbox control unit, ABS control unit, coolant temperature sensor
13	10A STOP – Stop lamps, stop lamp switch, additional stop lamp, engine control unit, gearbox control unit, ABS control unit
14	5A RR DEF I / UP – Idling diode, engine control unit, gearbox control unit
15	30A POWER – Power relay, sunroof, power windows
16	40A AM1 – Ignition switch (fuses: “CIG & RAD”, “GAUGE”, “WIPER”, “TURN”, “EGU-IG”)
17	40A RR DEF – Heated rear window

R1	Integrated relay
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The fuse number 11 at 15A is responsible for the cigarette lighter.

Some relays can be mounted on the back of the unit.

Diagram



Protected components

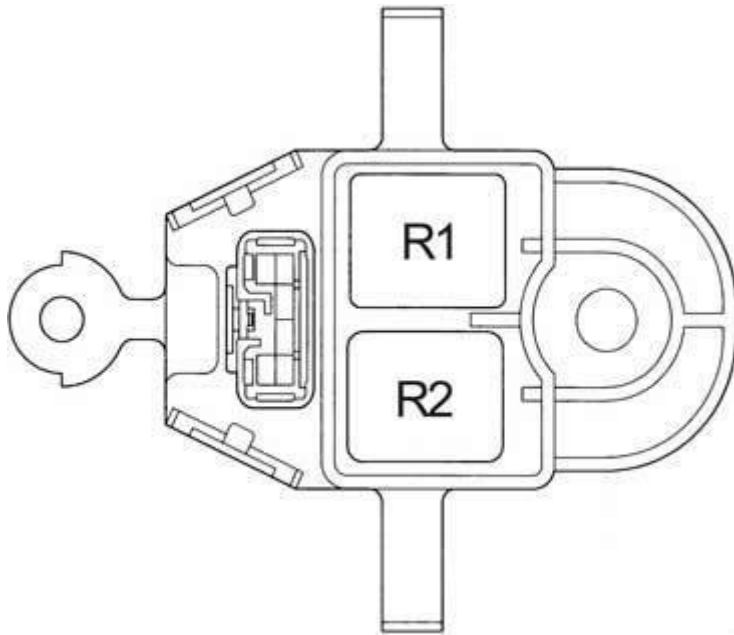
- R1 – Heated rear window
- R2 – Power relay
- R3 – Side light

Additional fuse box

1. 10A A / C – A / C amplifier, A / C switch
2. 30A FUEL HTR – Fuel heating

Relay box

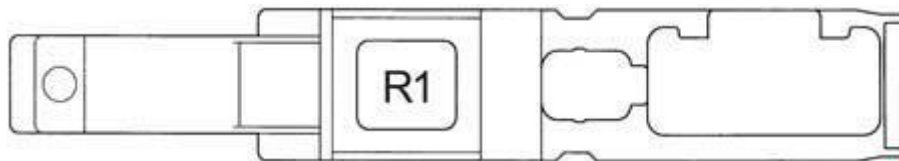
Diagram



Purpose of elements

- R1 Relay RR FOG – Rear fog light
- R2 Relay TURN (HAZARD) – Direction indicators (alarm)

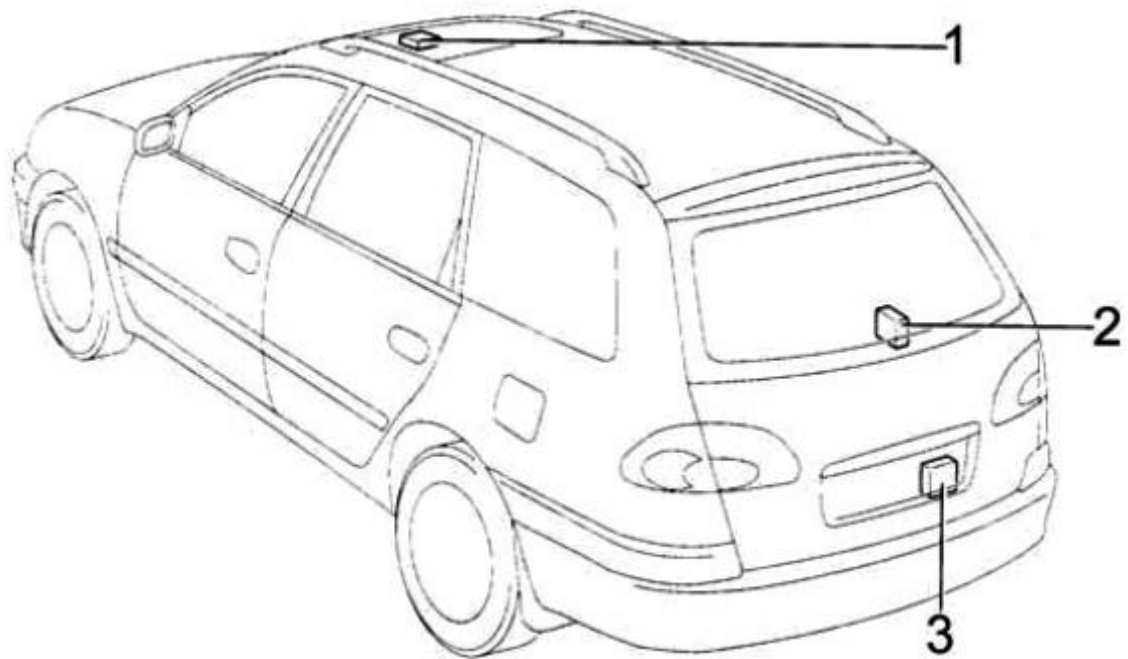
Additional relay box



R1 – Heater relay

Additional elements

Diagram



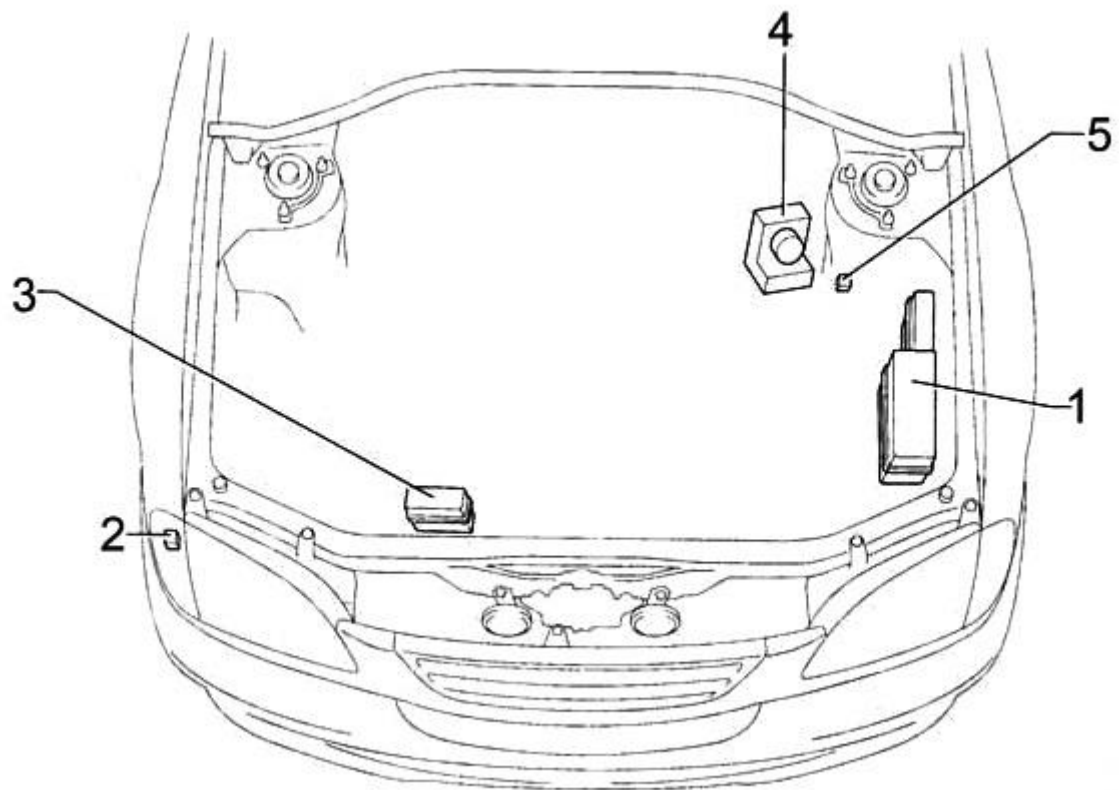
Designation

1. Sunroof relay
2. Glass break sensor unit
3. Rear wiper relay

Engine compartment

Location

General block layout



Assignment

1. Fuse and relay box
2. Headlight washer relay
3. Additional fuse and relay box
4. ABS control unit
5. Glow plug relay (diesel engines)

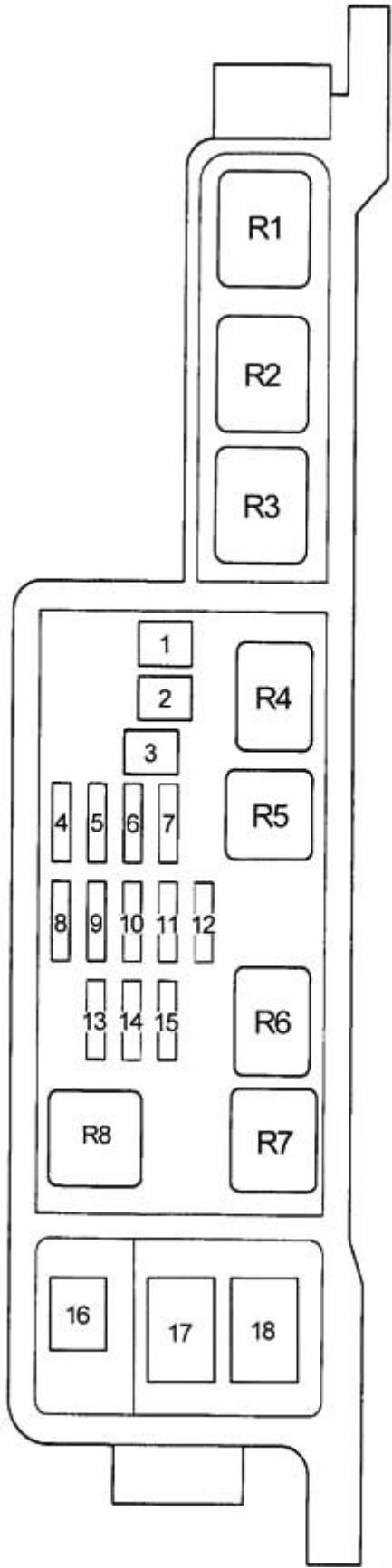
Fuse and relay box

Installed on the left side of the engine compartment, next to the battery.

Photo – example



Diagram



Circuits protected

1	50A MAIN – Headlight relay
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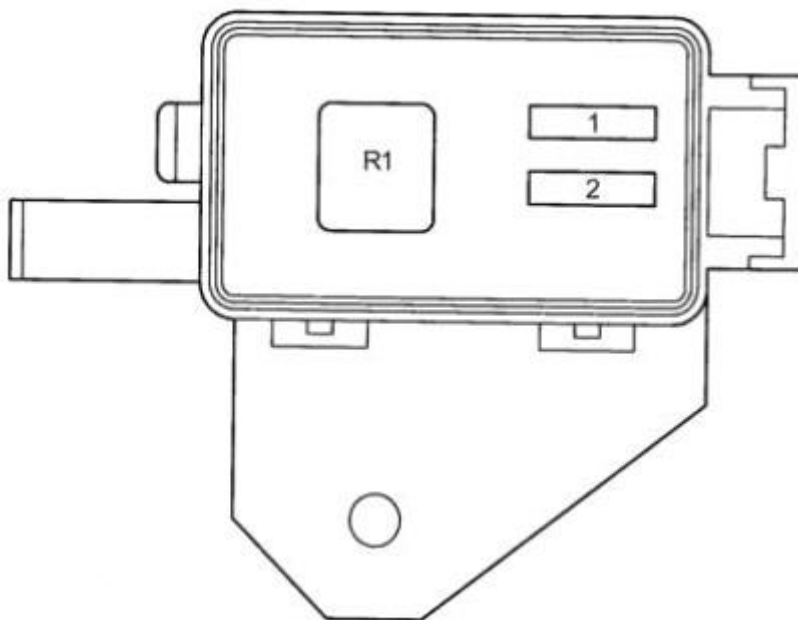
2	40A FAN MAIN – Cooling fan, cooling fan relay (FAN NO.1)
3	30A FAN SUB – Cooling system fan, air conditioner fan, cooling fan relay (FAN NO.2, FAN NO.3)
4	5A ALT-S – Generator
5	30A H-LP CLN – Headlight washer relay
6	15A HAZARD – Direction indicators, alarm switch, direction indicator indicator, direction indicator switch, direction indicator relay, anti-theft system, glass break sensor
7	15A EFI – Fuel Pump Relay (Circuit Opening), Engine Control Module, Transmission Control Module (A / T), Fuel Pump, Hall Sensor, Heated Oxygen Sensor, Injector, ISC Valve, Lean Mixture Sensor, EFI Relay, EGR Valve, turbine pressure sensor, flow control valve, idle valve, TCV valve
8	30A AM2 – Ignition lock
9	10A RAD NO.1 – Audio system
10	Short pin
11	15A HEAD (LH) – Left headlight, light switch
12	10A HORN – Horn, horn relay, horn switch
13	7.5A DOME – Interior lighting, instrument cluster, open door indicator, luggage compartment lighting diode, DLC3, door lighting, luggage compartment lighting, sunroof, personal lighting, anti-theft alarm, anti-theft system, central locking, integrated relay
14	15A HEAD (RH) – Right headlight, high beam indicator, instrument cluster, light switch
15	10A ECU-B – Central Airbag Unit, Instrument Cluster, Rear Fog Light Indicator, Airbag Indicator, Daytime Running Light Relay, DLC3, Engine Control Unit, Transmission Control Unit, Rear Fog Light, Key Transponder, Rear Fog Light Relay
16	40A HTR – Heater control unit, heater motor, heater resistor, heater relay
17	100A ALT – Glow plug relay, alternator, side light relay, fuses: “AM1”, “STOP”, “POWER”, “DOOR”, “SEAT HTR”, “FR FOG”, “FR DEF”, “ABS”, “H-LP CLN”, “FAN MAIN”, “FUN SUB”, “HTR”, “RR DEF”

18	60A ABS ECU with Actuator
Relay	
R1	A / C Compressor Clutch (MG CLT)
R2	Cooling fan (FAN NO.3)
R3	Cooling fan (FAN NO.2)
R4	Engine control unit (EFI)
R5	Headlights (HEAD)
R6	Sound signal
R7	Starter
R8	Cooling fan (FAN NO.1)

Additional box

Installed on Toyota Avensis with daytime running lights.

Diagram



Decoding

1. 10A HEAD HI (RH) – Right headlight, light switch, high beam indicator
2. 10A HEAD HI (LH) – Left headlight
3. R1 – Dimmer

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That's all. We will be glad to receive your comments and suggestions on how this material can be improved.