

Toyota Hilux (AN120/AN130; 2015-2019..) fuses and relays

*In this article, we consider the eighth-generation Toyota Hilux (AN120/AN1300), available from 2015 to the present. Here you will find fuse box diagrams of **Toyota Hilux 2015, 2016, 2017, 2018 and 2019**, get information about the location of the fuse panels inside the car, and learn about the assignment of each fuse (fuse layout) and relay.*

See other Toyota Hilux:

Fuse Layout Toyota Hilux 2015-2019...



Cigar lighter (power outlet) fuses in the Toyota Hilux are the fuse #21 "P/OUTLET NO.1" (Power Outlet) in the Instrument panel fuse box, and fuse #4 (Power Outlet – Inverter) in the Engine Compartment Fuse Box.

Passenger Compartment Fuse Box

Fuse box location

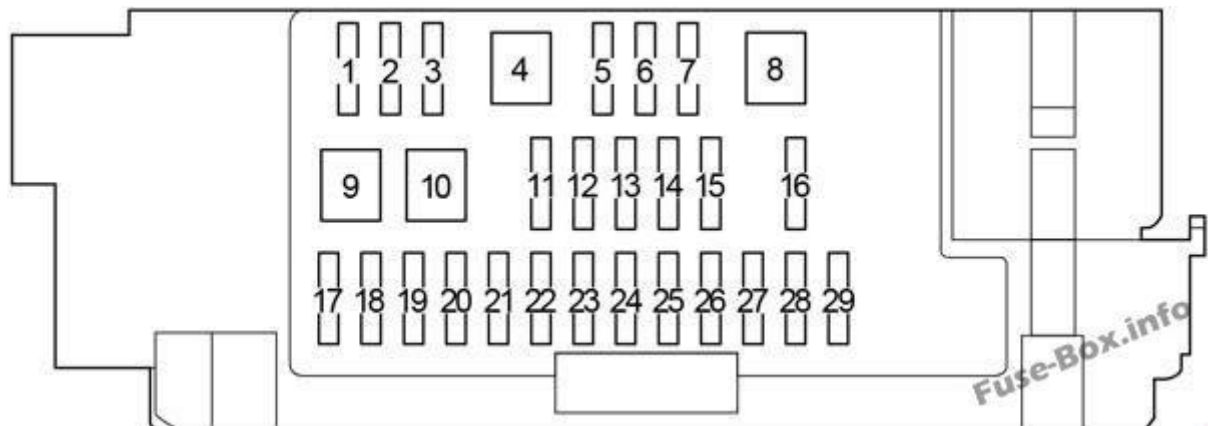
1. Relay Box No.1
2. Headlight Leveling ECU
3. Network Gateway ECU
4. Fuse Box / Body ECU
5. Engine Stop and Start ECU
6. **LHD:**Telephone Transceiver
7. 4WD Control ECU
8. ECM
9. Smart Door Control Receiver (with Entry & Start System)
Door Control Receiver (without Entry & Start System)

10. Transmission Control ECU
11. Relay Box No.2
12. Turbo Motor Driver
13. Relay Box No.3
14. **LHD**:Navigation ECU
15. Relay Box No.4
16. Shift Lock Control ECU (Transmission Floor Shift)
17. A/C Amplifier
18. Airbag Sensor
19. Steering Lock Actuator or Upper Bracket
20. Junction Connector
21. **RHD**:Double Lock Door Control Relay

The fuse box is located under the instrument panel (on left side), under the cover.

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Fuse box diagram



Assignment of the fuses in the Passenger Compartment

No	Name	Amp	Circuit
1	DOOR NO.2	25	Power Window
2	DOOR R/L	25	Power Window
3	DOOR R/R	25	Power Window
4	DOOR NO.1	30	Power Window

No	Name	Amp	Circuit
5	ETCS	10	1GR-FE, 1KD-FTV, 2KD-FTV, 1TR-FE, 2TR-FE, 5L-E: Multiport Fuel Injection System/Sequential Multiport Fuel Injection System
5	EFI-MAIN NO.1	25	1GD-FTV, 2GD-FTV: ABS, Air Conditioner, Downhill Assist Control, Multiport Fuel Injection System/Sequential Multiport Fuel Injection System, Hill-Start Assist Control, TRC, VSC
6	EFI-MAIN NO.1	25	1GR-FE, 1KD-FTV, 2KD-FTV, 1TR-FE, 2TR-FE, 5L-E: ABS, Air Conditioner, Downhill Assist Control, Multiport Fuel Injection System/Sequential Multiport Fuel Injection System, Hill-Start Assist Control, TRC, VSC
6	EFI-MAIN NO.2	25	1GD-FTV, 2GD-FTV: Multiport Fuel Injection System/Sequential Multiport Fuel Injection System
7	TURN&HAZ	10	Turn Signal and Hazard Warning Light, Combination Meter, Door Lock Control, Entry & Start System, Immobiliser System, Starting, Steering Lock, Theft Deterrent, Wireless Door Lock Control
8	AM2 NO.2	30	Multiport Fuel Injection System/Sequential Multiport Fuel Injection System, Entry & Start System, Immobiliser System, Starting, Steering Lock, Wireless Door Lock Control
9	HTR	40	Air Conditioner, Charging
10	AM1	40	Entry & Start System, Immobiliser System, Starting, Steering Lock, Wireless Door Lock Control
11	TAIL	10	1GR-FE, 1KD-FTV, 2KD-FTV, 1TR-FE, 2TR-FE, 5L-E: Taillight, Illumination, Automatic Light Control, Charging, Entry & Start System, Front Fog Light, Immobiliser System, Key Reminder, Light Reminder, Rear Fog Light, Starting, Steering Lock, Wireless Door Lock Control
11	ECU-ALT NO.2	10	1GD-FTV, 2GD-FTV: Door Lock Control, Power Window, Theft Deterrent
12	FOG FR/DRL	10	Front Fog Light, Headlight, Illumination, Taillight

No	Name	Amp	Circuit
13	ECU-ALT NO.2	10	1GR-FE, 1KD-FTV, 2KD-FTV, 1TR-FE, 2TR-FE, 5L-E: Door Lock Control, Power Window, Theft Deterrent
13	TAIL	10	1GD-FTV, 2GD-FTV: Taillight, Illumination, Automatic Light Control, Charging, Entry &. Start System, Front Fog Light, Immobiliser System, Key Reminder, Light Reminder, Rear Fog Light, Starting, Steering Lock, Wireless Door Lock Control
14	OBD	10	On-Board Diagnosis System
15	EFI NO.1	10	ABS, Air Conditioner, Downhill Assist Control, Multiport Fuel Injection System/Sequential Multiport Fuel Injection System, Hill-Start Assist Control, Stop & Start System, TRC, VSC
16	IG2 NO.1	5	Multiport Fuel Injection System/Sequential Multiport Fuel Injection System
17	METER	5	Combination Meter, 4WD, ABS, Air Conditioner (Automatic), Audio System, Charging, Door Lock Control, Downhill Assist Control, Multiport Fuel Injection System/Sequential Multiport Fuel Injection System, Entry & Start System, Headlight, Headlight Beam Level Control (Automatic), Headlight Cleaner, Hill-Start Assist Control, Illumination, Immobiliser System, Interior Light, Key Reminder, Lane Departure Alert, Light Reminder, Navigation System, Pre-Collision System, Rear View Monitor System, Seat Belt Warning, SRS, Starting, Steering Lock, Stop & Start System, Taillight, Telematics System, Theft Deterrent, Tire Pressure Warning System, TRC, Turn Signal and Hazard Warning Light, VSC, Wireless Door Lock Control
18	A/BAG	5	SRS Airbag System
19	IG2 NO.3	5	Charging, Multiport Fuel Injection System/Sequential Multiport Fuel Injection System, Immobiliser System, Multiplex Communication System, Telematics System
20	SFT LOCK-ACC	10	Shift Lock
21	P/OUTLET NO.1	15	Power Outlet

№	Name	Amp	Circuit
22	IG2 NO.2	5	Entry & Start System, Immobiliser System, Starting, Steering Lock, Wireless Door Lock Control
23	WIPER	25	Front Wiper and Washer
24	IG1 NO.1	10	Audio System, Back-Up Light, Charging, Combination Meter, Multiport Fuel Injection System/Sequential Multiport Fuel Injection System, Lane Departure Alert, Navigation System, Rear View Monitor System
25	-	-	-
26	IG1 NO.3	10	ABS, Downhill Assist Control, Hill-Start Assist Control, Stop & Start System, TRC, VSC
27	IG1 NO.4	10	Air Conditioner, Audio System, Automatic Light Control, Charging, Combination Meter, Door Lock Control, Multiport Fuel Injection System/Sequential Multiport Fuel Injection System, Entry & Start System, Front Fog Light, Headlight, Headlight Beam Level Control (Automatic), Headlight Cleaner, Illumination, Immobiliser System, Interior Light, Mirror Heater, Multiplex Communication System, Navigation System, Power Outlet, Power Window, Rear Fog Light, Rear View Monitor System, Rear Window Defogger, Seat Belt Warning, SRS, Starting, Steering Lock, Stop & Start System, Taillight, Theft Deterrent, Tire Pressure Warning System, Wireless Door Lock Control
28	WASHER	15	Front Wiper and Washer
29	IG1 NO.2	10	Charging, Shift Lock

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Relay Box №1

Remove the driver's door scuff plate (left-hand drive vehicles) or the front passenger's door scuff plate (right-hand drive vehicles), remove the nut and the cowl side panel.

Passenger Compartment Relay Box №1

№	Name	Amp	Circuit
1	DCU NO.1	25	Urea Pump Control ECU
2	DCU NO.2	20	Urea Pump Control ECU
3	NOX PM	20	Nitrogen Oxides Sensor
4	DCU-B	7.5	Urea Pump Control ECU
5	DEF-S	10	Mirror Heater, Multiport Fuel Injection System/Sequential Multiport Fuel Injection System
6	FOG RR	10	Rear Fog Light
7	DEICER	15	Windshield Wiper De-icer
8	DEF	25	Rear Window Defogger, Mirror Heater, Multiport Fuel Injection System/Sequential Multiport Fuel Injection System
Relay			
R1			Urea Pump (DCU-MAIN)
R2			Nitrogen Oxides Sensor (NOX PM)
R3			Windshield Wiper De-icer (DEICER)
R4			Rear fog light (FOG RR)
R5			-
R6			Inverter (INV)
R7			Rear Window Defogger, Mirror Heater (DEF)

Relay Box №2

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Passenger Compartment Relay Box №2

No.	Name	Amp	Circuit
1	ACC	5	4WD, ABS, Air Conditioner, Audio System, Charging, Clock, Combination Meter, Door Lock Control, Downhill Assist Control, Multiport Fuel Injection System/Sequential Multiport Fuel Injection System, Entry & Start System, Headlight, Headlight Beam Level Control (Automatic), Headlight Cleaner, Hill-Start Assist Control, Illumination, Immobiliser System, Interior Light, Key Reminder, Lane Departure Alert, Light Reminder, Multiplex Communication System, Navigation System, Pre-Collision System, Rear View Monitor System, Remote Control Mirror, Seat Belt Warning, SRS, Starting, Steering Lock, Stop & Start System, Taillight, Telematics System, Theft Deterrent, Tire Pressure Warning System, TRC, Turn Signal and Hazard Warning Light, VSC, Wireless Door Lock Control
2	A/C	10	Air Conditioner (Manual)
3	ECU-IG2 / C/OPN NO.2	10	Multiport Fuel Injection System/Sequential Multiport Fuel Injection System
4	STA/WIPER-S	7.5	Starting, Multiport Fuel Injection System/Sequential Multiport Fuel Injection System
5	-	-	-
6	4WD-IG	20	4WD
7	S/HTR	15	Before Aug. 2017: Seat Heater
7	S/HTR / S/VENT	15	From Aug. 2017: Seat Heater
8	IG1 NO.5	10	Air Conditioner, Lane Departure Alert, Pre-Collision System
Relay			

No.	Name	Amp	Circuit
R1			Heater (HTR)
R2			Ignition (IG1 NO.2)
R3			Ignition (IG2)
R4			LHD: Heated Steering Wheel (STRG HTR)
R5			Air Conditioner (A/C COMP)

Relay Box №3

Passenger Compartment Relay Box №3

№	Relay
R1	PTC Heater (PTC HTR NO.1)
R2	PTC Heater (PTC HTR NO.3)
R3	PTC Heater (PTC HTR NO.2)
R4	Viscous Heater (VISCOUS)
R5	-
R6	Door Lock (D/L NO.1)
R7	Door Lock (D/L NO.2)
R8	RHD: Door Lock (D/L NO.2)
R9	RHD: -

Relay Box №4

Passenger Compartment Relay Box №4

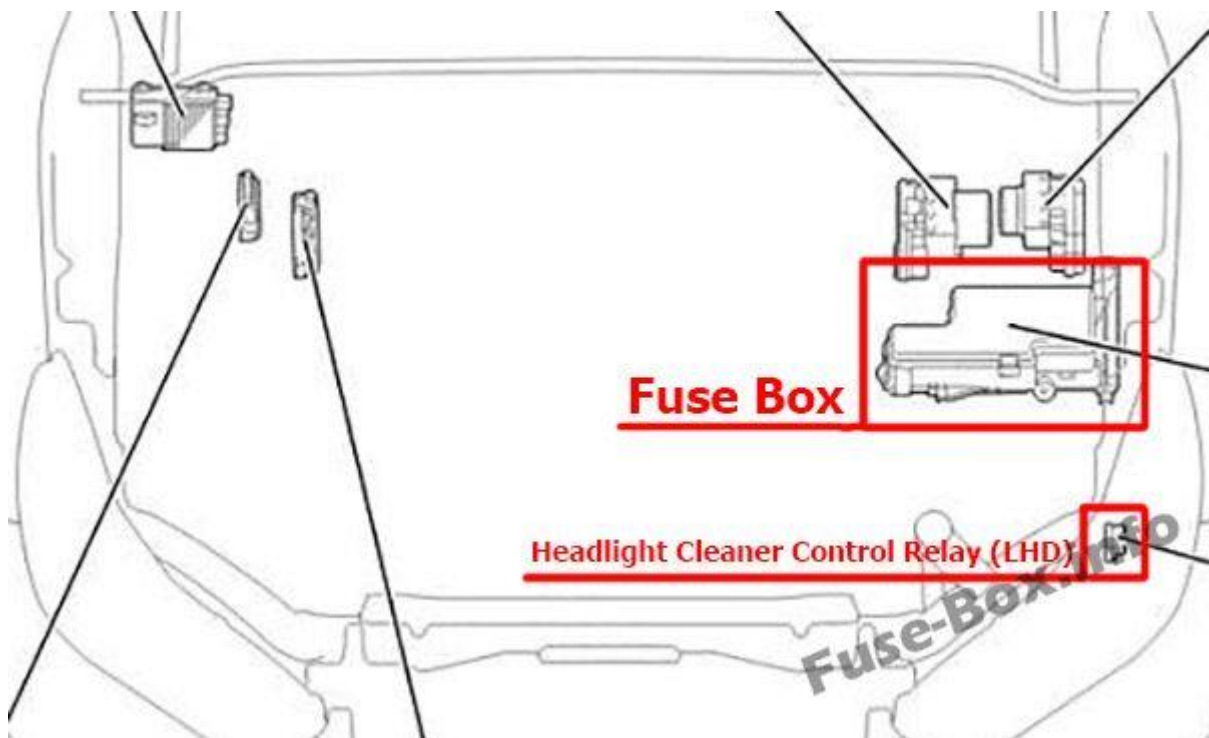
№	Relay
R1	Daytime Running Light (DRL)

Nº	Relay
R2	Theft Deterrent (S-HORN)
R3	Front Fog Lights (FOG FR)
R4	Taillight (TAIL)
R5	Interior Lights (DOME CUT)
R6	Ignition (IG1 NO.1)

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Fuse Box in the Engine Compartment

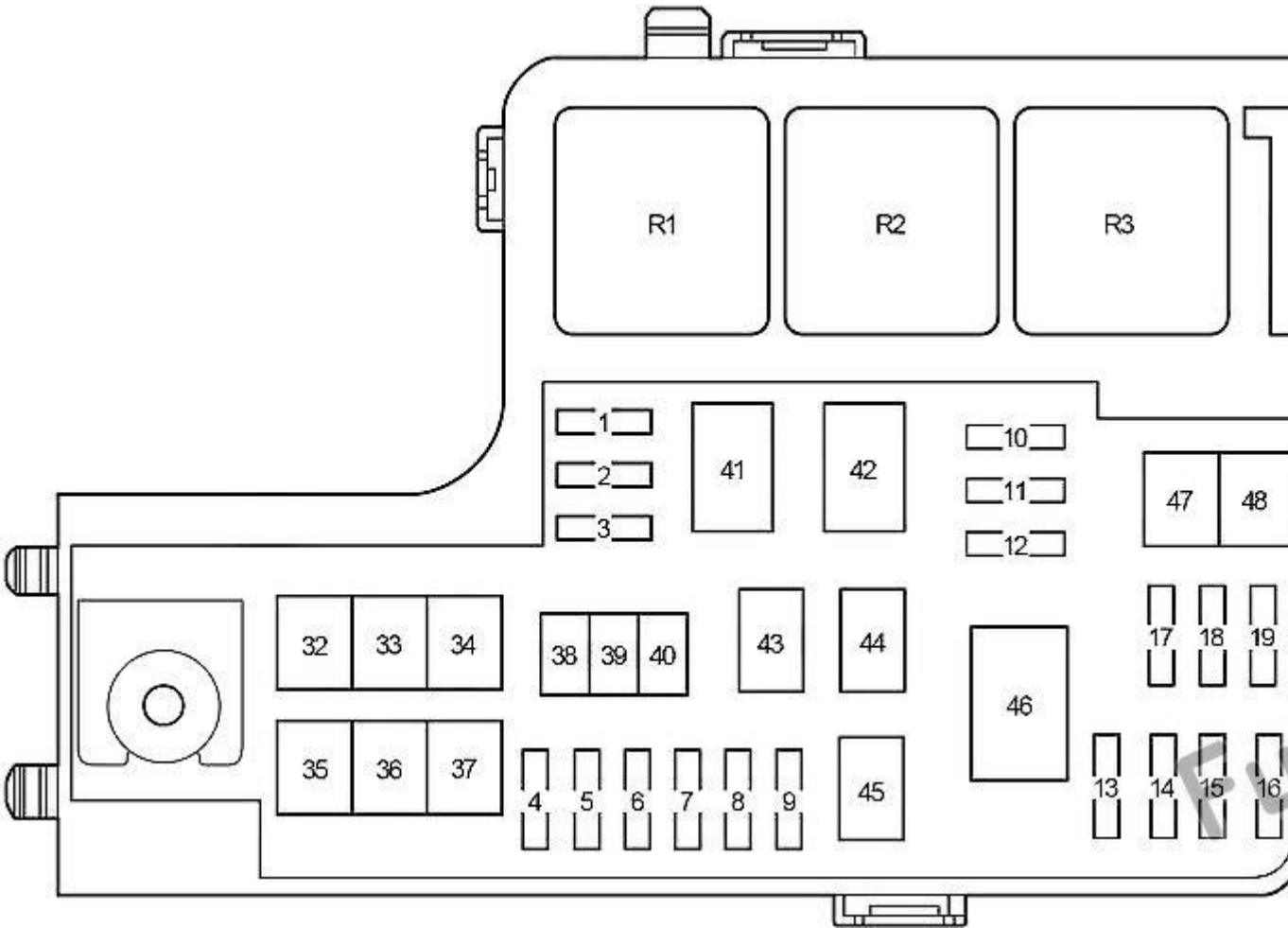
Fuse box location



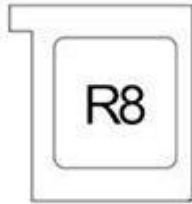
It is located in the engine compartment (left-side).



Fuse box diagram



1GD-FTV, 2GD-FTV, 1KD-FTV, 2KD-FTV, 5L-E:



1GR-FE, 1TR-FE, 2TR-FE:



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Assignment of the fuses in the Engine Compartment

Nº	Name	Amp	Circuit
1	-	-	-
2	-	-	-
3	-	-	-
4	INV	20	Power Outlet (Voltage Inverter)
5	ECU-ALT NO.1	10	Double Locking
6	-	-	-
7	STOP	10	From Aug. 2017: Stop Light, ABS, TRC, VSC, Multiport Fuel Injection System/Sequential Multiport Fuel Injection System, Charging, Downhill Assist Control, Entry & Start System, Hill-Start Assist Control, Immobiliser System, Shift Lock, Starting, Steering Lock, Wireless Door Lock Control
8	STOP	10	Before Aug. 2017: Stop Light, ABS, TRC, VSC, Multiport Fuel Injection System/Sequential Multiport Fuel Injection System, Charging, Downhill Assist Control, Entry & Start System, Hill-Start Assist Control, Immobiliser System, Shift Lock, Starting, Steering Lock, Wireless Door Lock Control
8	STRG HTR	10	From Aug. 2017: Heated Steering Wheel
9	4WD-ALT	10	4WD

No	Name	Amp	Circuit
10	ECU-B NO.1	10	4WD, Multiport Fuel Injection System/Sequential Multiport Fuel Injection System, ABS, Air Conditioner (Automatic), Audio System, Charging, Clock, Combination Meter, Door Lock Control, Double Locking, Downhill Assist Control, Entry & Start System, Headlight, Headlight Beam Level Control (Automatic), Headlight Cleaner, Hill-Start Assist Control, Illumination, Immobiliser System, Interior Light, Key Reminder, Lane Departure Alert, Light Reminder, Navigation System, Pre-Collision System, Rear View Monitor System, Seat Belt Warning, SRS, Starting, Steering Lock, Stop & Start System, Taillight, Telematics System, Theft Deterrent, Tire Pressure Warning System, TRC, Turn Signal and Hazard Warning Light, VSC, Wireless Door Lock Control
11	RADIO	20	Audio System, Navigation System, Rear View Monitor System
12	DOME	10	Immobiliser System, Entry & Start System, Interior Light, Starting, Steering Lock, Theft Deterrent, Wireless Door Lock Control
13	H-LP RH-LO	10	Right-Hand Headlight (Low Beam)
14	H-LP LH-LO	10	Left-Hand Headlight (Low Beam), Headlight Beam Level Control, Headlight Cleaner
15	H-LP RH-HI	10	Right-Hand Headlight (High Beam)
16	H-LP LH-HI	10	Left-Hand Headlight (High Beam)
17	S-HORN	7.5	Theft Deterrent
18	MAYDAY	7.5	Telematics System
19	HORN	10	Horn, Entry & Start System, Immobiliser System, Starting, Steering Lock, Theft Deterrent, Wireless Door Lock Control
20	EFI-B	7.5	Multiport Fuel Injection System/Sequential Multiport Fuel Injection System
21	ALT-S/ICS	7.5	Charging

No	Name	Amp	Circuit
22	SMART	7.5	Entry & Start System, Immobiliser System, Starting, Steering Lock, Wireless Door Lock Control
23	ECU-B NO.3	10	Air Conditioner (Automatic), Multiport Fuel Injection System/Sequential Multiport Fuel Injection System, Entry & Start System, Immobiliser System, Mirror Heater, Multiplex Communication System, Starting, Steering Lock, Theft Deterrent, Wireless Door Lock Control
24	A/F HTR	20	1GR-FE, 1TR-FE, 2TR-FE: Air Fuel Ratio Sensor
24	EDU	25	1GD-FTV, 2GD-FTV, 1KD-FTV, 2KD-FTV, 5L-E: Multiport Fuel Injection System/Sequential Multiport Fuel Injection System
25	STRG LOCK/ AM2 NO.1	10	Multiport Fuel Injection System/Sequential Multiport Fuel Injection System, Entry & Start System, Immobiliser System, Starting, Steering Lock, Wireless Door Lock Control
26	INJ	15	1GR-FE, 1TR-FE, 2TR-FE: Combination Meter, Multiport Fuel Injection System/Sequential Multiport Fuel Injection System, Ignition
26	ST NO.2	30	2GD-FTV with Stop & Start System: Entry & Start System, Immobiliser System, Starting, Steering Lock, Wireless Door Lock Control
27	ECU-B NO.2	10	Entry & Start System, Immobiliser System, Starting, Steering Lock, Wireless Door Lock Control
28	ECU-B NO.4	25	Automatic Light Control, Door Lock Control, Entry & Start System, Front Fog Light, Headlight, Illumination, Immobiliser System, Interior Light, Power Window, Rear Fog Light, Starting, Steering Lock, Taillight, Theft Deterrent, Wireless Door Lock Control
29	-	-	-
30	D/C CUT	30	"ECU-B NO.1", "RADIO", "DOME" Fuses
31	ODS	7.5	Occupant Detection ECU

No	Name	Amp	Circuit
32	P/SEAT	30	Before Aug. 2017: Power Seat
32	P/SEAT(D)	30	From Aug. 2017: Power Seat
33	PTC HTR NO.2	30	PTC Heater
34	-	-	
35	ABS NO.1	50	ABS, TRC, VSC, Downhill Assist Control, Hill-Start Assist Control
36	ABS NO.2	30	ABS, TRC, VSC, Downhill Assist Control, Hill-Start Assist Control
37	R/B I/P-ALT	30	"IG1 NO.2" Relay: "4WD-IG", "S/HTR", "S/HTR/S/VENT", "IG1 NO.5" Fuses
38	-	-	-
39	-	-	-
40	PTC HTR NO.1	50	PTC Heater
41	GLOW	80	Glow System
42	J/B-B	60	"EFI-MAIN NO.1" Relay, "EFI-MAIN NO.2" Relay, "EFI-MAIN NO.1", "EFI-MAIN NO.2", "TURN&HAZ", "ETCS", "EFI NO.1", "AM2 NO.2" Fuses
43	H-LP CLN	30	Headlight Cleaner
45	R/B FLOOR-ALT	50	"DEF" Relay, "DEF", "FOG RR", "DEICER", "DEF-S" Fuses
46	ALT	140	"P/W" Relay, "ACC" Relay, "R/B FLOOR-ALT", "R/B I/P-ALT", "4WD-ALT", "INV", "ABS NO.1", "ABS NO.2", "STOP", "P/SEAT", "P/SEAT (D)", "H-LP CLN", "STRG HTR", "ECU-ALT NO.1", "PTC HTR NO.1", "PTC HTR NO.2", "CDS FAN/PTC

No	Name	Amp	Circuit
			HTR NO.3", "HTR", "DOOR R/L", "DOOR NO.1", "DOOR R/R", "DOOR NO.2", "FOG FR/DRL", "TAIL", "OBD", "ECU-ALT NO.2", "AM1", "P/OUTLET NO.1", "SFT LOCK-ACC" Fuses
47	BBC NO.3	40	Stop & Start System
48	-	-	
49	BBC NO.1	40	Stop & Start System
50	ST NO.1	30	1GR-FE, 1TR-FE, 2TR-FE: Entry & Start System, Immobiliser System, Starting, Steering Lock, Wireless Door Lock Control
50	ST NO.1	50	1GD-FTV, 2GD-FTV, 1KD-FTV, 2KD-FTV, 5L-E: Entry & Start System, Immobiliser System, Starting, Steering Lock, Wireless Door Lock Control
51	-	-	-
52	-	-	-
53	AIR PMP	50	Air Pump
53	DCU-MAIN	50	"DCU-MAIN" Relay, "DCU NO.1", "DCU NO.2", "DCU-B", "NOX PM" Fuses
54	H-LP MAIN	40	"H-LP" Relay, "DIMMER" Relay, "H-LP LH-LO", "H-LP RH-LO", "H-LP LH-HI", "H-LP RH-HI" Fuses
Relay			
R1			Dimmer
R2			Headlight (H-LP)
R3			1GD-FTV, 2GD-FTV, 1KD-FTV, 2KD-FTV, 5L-E: Starter (ST NO.1)

Nº	Name	Amp	Circuit
R4			1GR-FE, 1TR-FE, 2TR-FE: Starter (ST NO.1) 2GD-FTV with Stop & Start System: Starter (ST NO.2)
R5			Stop Lights / Electric cooling fan (STOP/CDS FAN)
R6			1GR-FE, 1TR-FE, 2TR-FE: Fuel Injector (INJ) 1GD-FTV, 2GD-FTV, 1KD-FTV, 2KD-FTV, 5L-E: Injector Driver (EDU)
R7			Horn
R8			1GD-FTV, 2GD-FTV, 1KD-FTV, 2KD-FTV, 5L-E: Glow System (GLOW) 1GR-FE, 1TR-FE, 2TR-FE: Fuel Pump / Air Pump (FUEL PMP/AIR PMP HTR)
R9			1GR-FE, 1TR-FE, 2TR-FE: Air Fuel Ratio Sensor (A/F HTR)