

# Ford Ranger T6 (2011-2018) Fuses

Fuse box diagram (fuse layout), location, and assignment of fuses and relays Ford Ranger T6 (2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018).



## Checking and Replacing Fuses

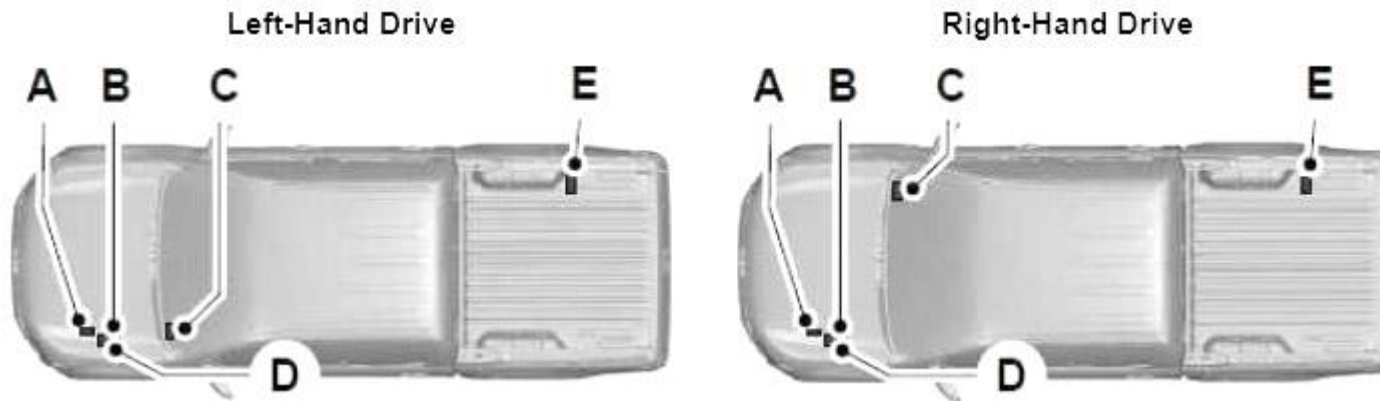
Fuses and circuit breakers protect your vehicle's electrical system from overloading. If electrical parts in your vehicle are not working, the system may have been overloaded and blown a fuse or tripped a circuit breaker. Before you replace or repair any electrical parts, check the appropriate fuses or circuit breakers.

To check a fuse, look at the silver-colored band inside the fuse. If the band is broken or melted, replace the fuse.

### *Notice*

- Before replacing fuses check that the key has been removed from the ignition and that all the services are switched off and/or disengaged.
- Always disconnect the battery before servicing high current fuses.
- Always replace a fuse with one that has the specified amperage rating. Using a fuse with a higher amperage rating can cause severe wire damage and could start a fire.
- Never replace a broken fuse with anything other than a new fuse. Use always an intact fuse of the same color.
- If a fuse blows again contact a qualified service center.

## Location

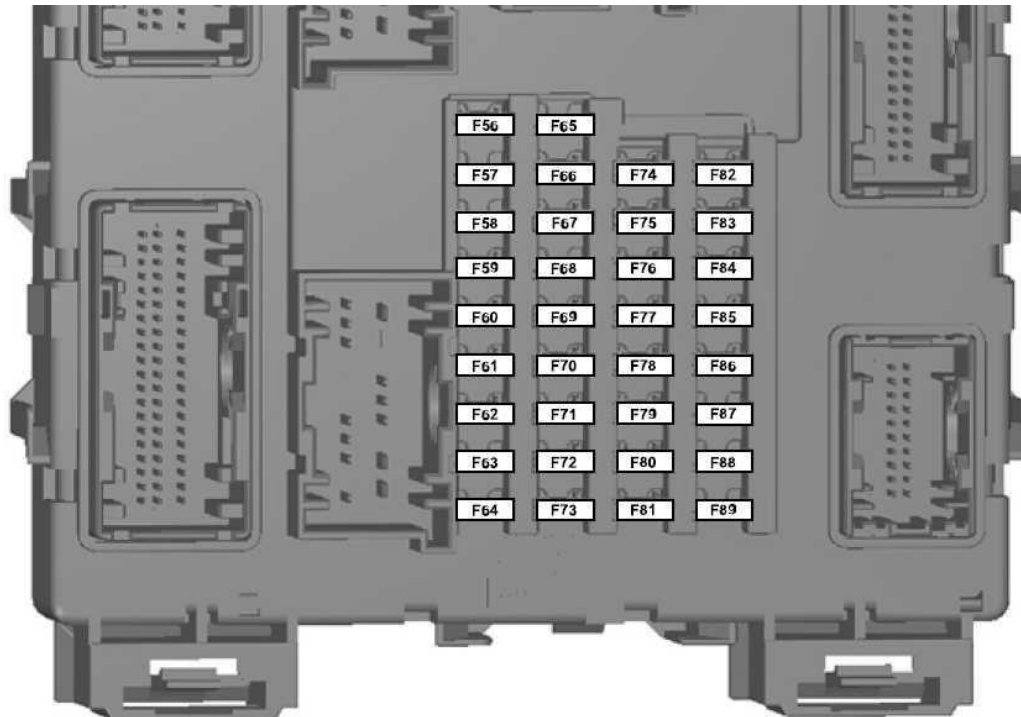


- A) Pre-fuse box.
  - B) Engine compartment fuse box (Power Distribution Box – PDB)
  - C) Passenger compartment fuse box
  - D) High current fuse box (below the PDB)
  - E) The auxiliary fuse box (if equipped)
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# Type 1

## Instrument Panel Fuse Box

The fuse box is located below and outboard of the steering column behind the access cover.

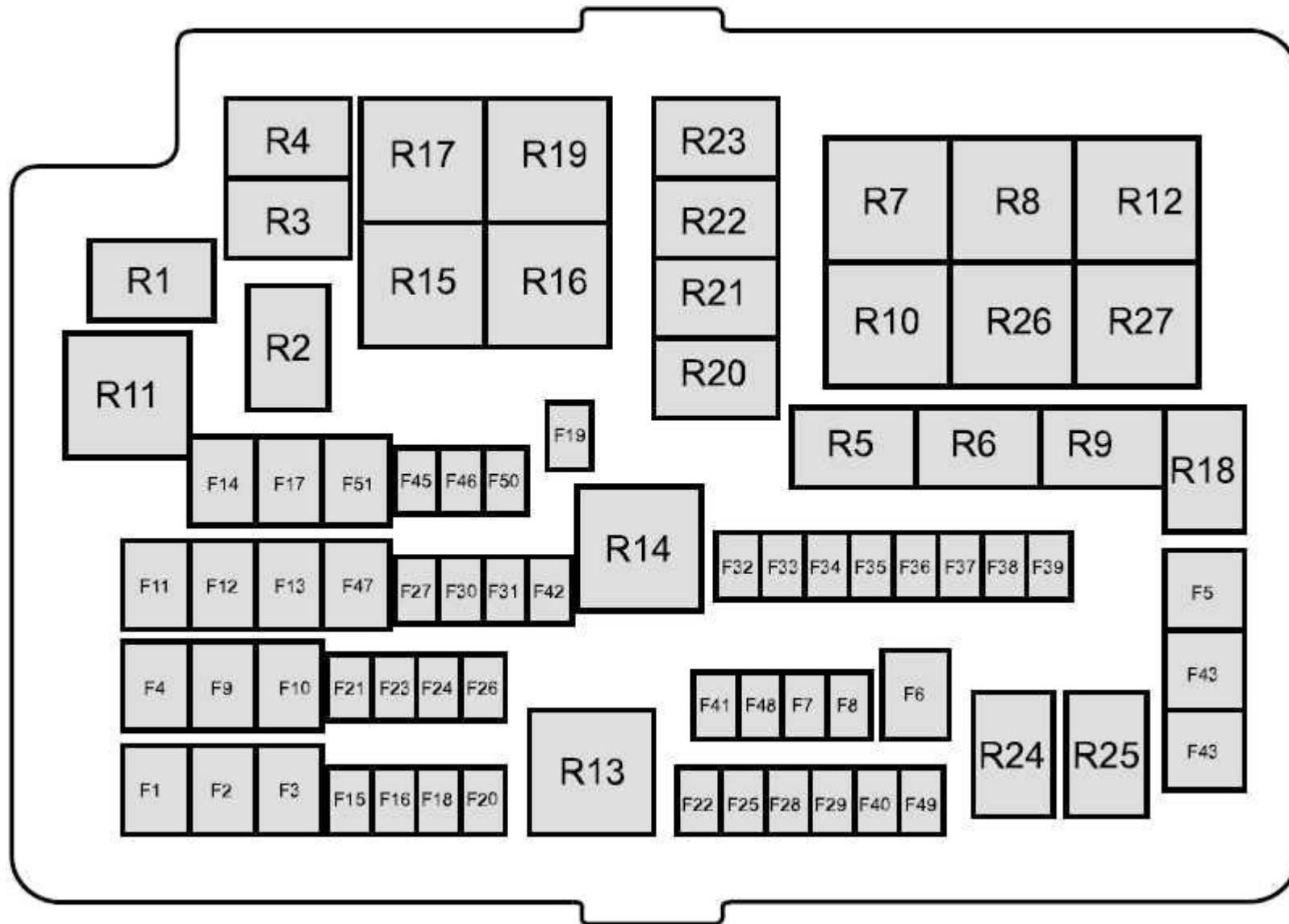


<b>№</b>	<b>A</b>	<b>Protected Components</b>
56	20	Fuel pump
57	-	Not used
58	-	Not used
59	5	Passive anti-theft system (PATS)
60	10	Interior lamp, driver's door switch pack, mood lights, puddle lights, automatic shifter, footwell lamp
61	-	Not used
62	5	Rain sensor module
63	5	Tachograph
64	-	Not used
65	-	Not used
66	20	Driver's door unlock, central double locking
67	5	Stop lamp switch
68	-	Not used
69	5	Instrument cluster, integrated control module (ICP), tracking and blocking module
70	20	Central locking
71	5	Air conditioning
72	7.5	Alarm horn
73	5	On-board diagnostics II
74	20	Main beam
75	15	Front fog lamps
76	10	Reversing lamp, rear view mirror
77	20	Washer pump
78	5	Ignition switch

<b>№</b>	<b>A</b>	<b>Protected Components</b>
79	15	Radio, Audio signal DIN, FSAO audio, multi-function display
80	20	Multi-function display, Hi audio, bluetooth audio (2015-2018), brake valve closing (BVC) module (2011-2014)
81	5	Interior motion sensor
82	20	Washer pump ground
83	20	Central locking ground
84	20	Driver's door unlock, central double locking ground
85	7.5	Instrument cluster, parking aid module, rearview camera, manual air conditioning, rear view mirror, tracking and blocking module
86	10	Restraint system, passenger air-bag deactivation indicator
87	7.5	Tachograph
88	-	Not used
89	-	Not used

## Engine Compartment Fuse Box

The power distribution box is located in the engine compartment.



№	A	Protected Components
1	60	Passenger compartment fuse box supply (Battery)
2	60	Passenger compartment fuse box supply (Battery)
3	50	Petrol: Engine cooling fan
	60	Diesel: Glow plug control module
4	40	Anti-lock brake system module
5	30	Power windows (front and rear)
6	25	2011-2014: Four wheel drive (4WD) motor ground
7	-	Not used
8	-	Not used
9	20	Power seats
10	20	2015-2018: Auxiliary power socket instrument panel, console top
	25	2011-2014: Electric windows (front)
11	30	Blower motor
12	25	Four wheel drive (4WD) motor power
13	20	Starter solenoid
14	20	Heated rear window
15	10	Petrol: Flex-fuel pump
	20	Diesel (2013-2016): Vaporizer glow plug
	15	Diesel (2011-2012 and 2017-2018): Vaporizer glow plug
16	10	Air conditioning clutch
17	25	Power windows (front)
18	25	Windscreen wiper motor
19	25	2011-2014: Windscreen wiper motor ground

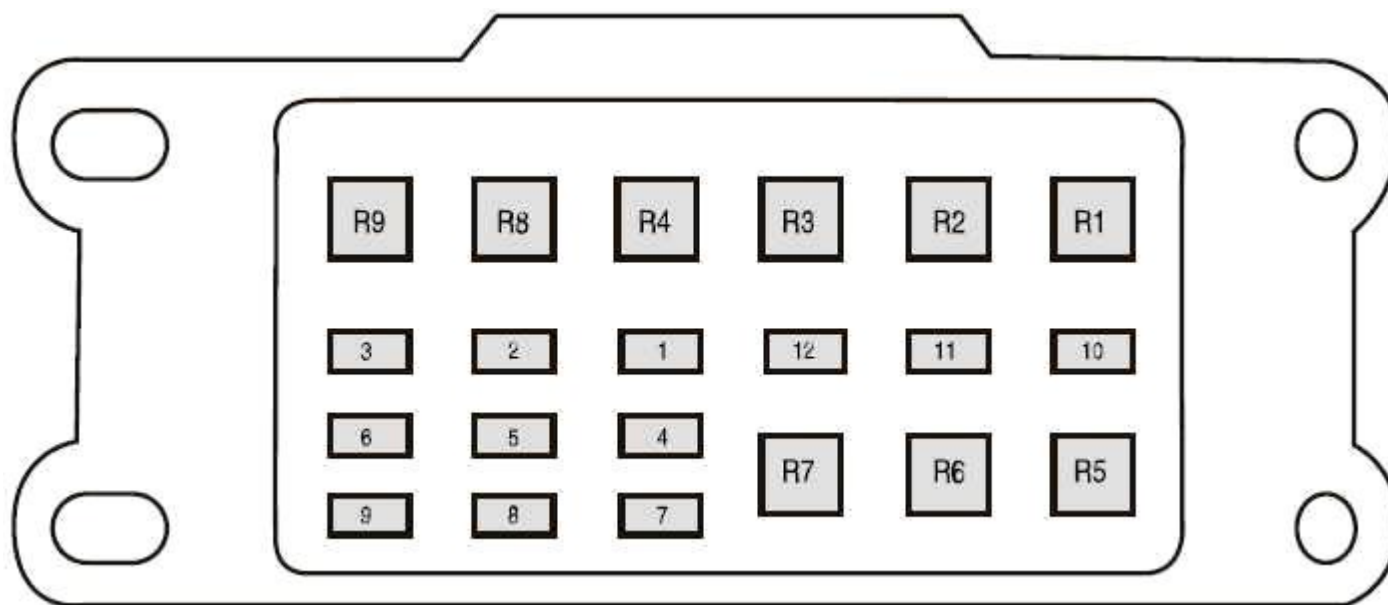
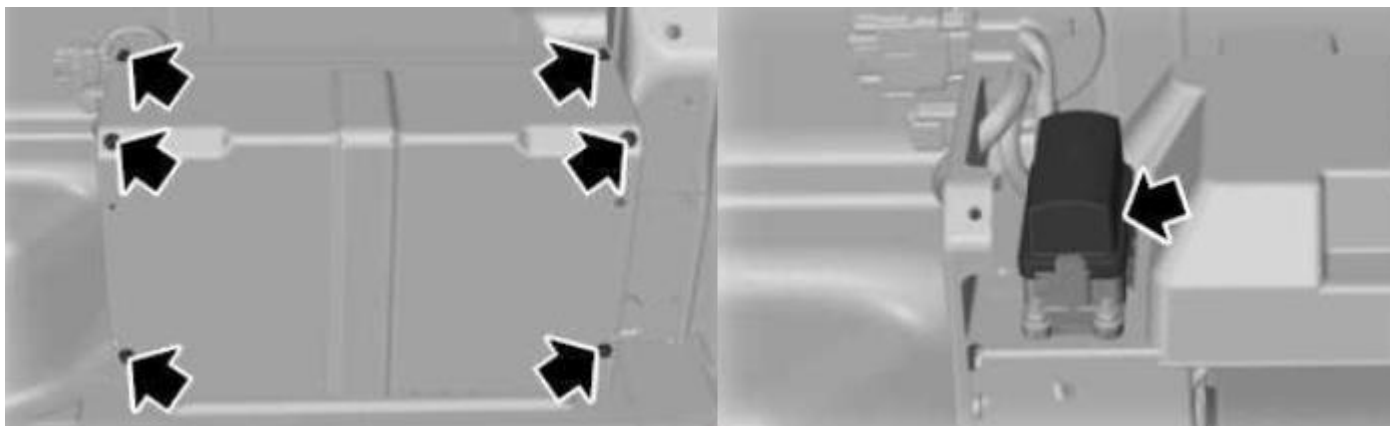
№	A	Protected Components
20	20	Cigar lighter
21	15	Horn
22	15	2011-2016: Fuel injectors, flex-fuel valve
	10	2017-2018: Fuel injectors, flex-fuel valve.
23	10	Differential lock solenoid
24	20	2011-2014: Auxillary power socket (front console)
25	15	Ignition coils, temperature and mass air flow sensor, glow plug module, vacuum control valve (VCV), electronic vacuum regulator valve (EVRV)
26	7.5	Electronic control module (ECM)
27	10	Transmission control module (TCM)
28	10	Heated exhaust gas oxygen, universal heated exhaust gas oxygen-sensor, relay coils
29	15	Electronic control module (ECM)
30	5	2015-2018: Battery monitoring sensor
	15	2011-2014: Battery monitoring sensor
31	20	Auxiliary power socket (rear console)
32	5	Air conditioning pressure switch
33	10	Transmission control module (TCM)
34	5	2014-2018: Crew chief module
		2011-2013: PTC heater (where fitted)
35	20	Passenger compartment fuse box supply (Ignition)
36	5	Anti-lock brake system module
37	10	Headlamp leveling
38	20	2011-2014: Heated seat



№	A	Protected Components
39	10	Power mirrors
40	10	Vapourizer pump
41	10	Heated mirrors
42	10	Alarm horn
43	30	2011-2014: Heated windscreen (right)
44	30	2011-2014: Heated windscreen (left)
45	25	Anti-lock brake system module
46	20	2011-2014: Auxillary power socket (bedliner (floor console))
	20	2015-2018: Battery isolator
47	40	Trailer tow module
48	-	Not used
49	-	Not used
50	5	Ignition relay, relay coils
51	20	2011-2018: Trailer Tow (12/13pin Batt feed / Permanent Live)
	30	2011-2014: Electric windows (rear)
<b>Relay</b>		
R1	Key interlock	
R2	Wiper on or off	
R3	Horn	
R4	Air conditioning clutch	
R5	Differential lock	
R6	Wiper Hi or Lo	
R7	Engine cooling fan low	

<b>№</b>	<b>A</b>	<b>Protected Components</b>
R8	Engine cooling fan high	
R9	Flex-fuel pump, vaporizer glow plug	
R10	Heated rear window	
R11	2011-2014: Heated windscreen	
R12	Not used	
R13	Electronic control module (ECM) power hold	
R14	Ignition	
R15	4WD motor 2 (clockwise)	
R16	4WD motor 1 (counter clockwise)	
R17	4WD motor	
R18	Security horn	
R19	Starter	
R20	Not used	
R21	Not used	
R22	Not used	
R23	Not used	
R24	Not used	
R25	Not used	
R26	Blower motor	
R27	Power seat	

## Auxiliary Fuse Box



№	A	Protected Components
1	25	Driving Light
2	15	Position lamp
3	10	LED beacon
4	15	Work lights

№	A	Protected Components
5	20	Spare
6	20	Power point
7	15	Reversing lamp
8	15	Direction indicators, stop lamp
9	5	Crew chief
10	5	Disable fuse (isolator ground)
11	-	Not used
12	-	Not used
Relay		
R1	Work lights	
R2	LED beacon	
R3	Spare	
R4	Position lamp	
R5	Direction indicator (left)	
R6	Direction indicator (right)	
R7	Stop lamp	
R8	Not used	
R9	Not used	

## Type 2

### Instrument Panel Fuse Box

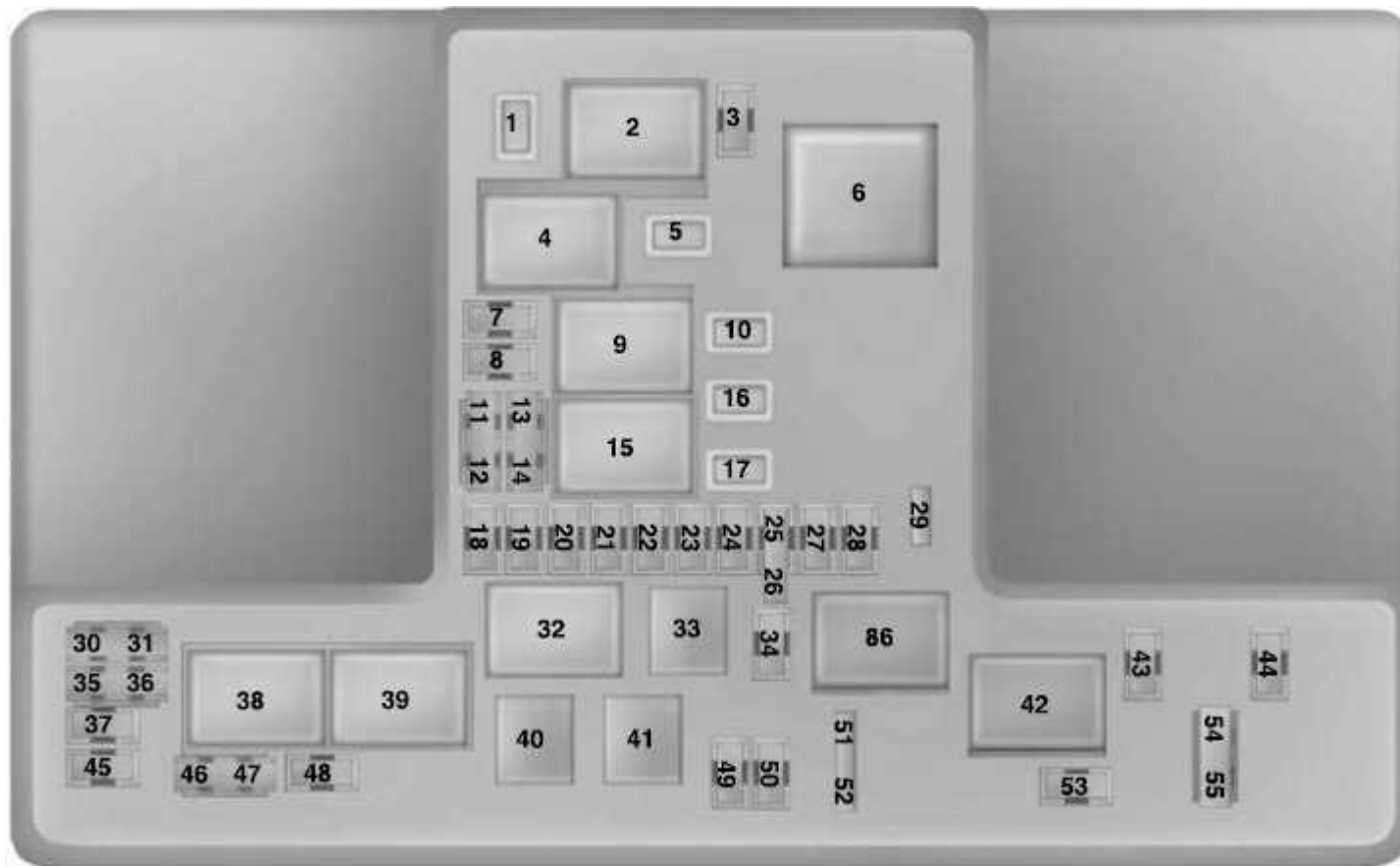
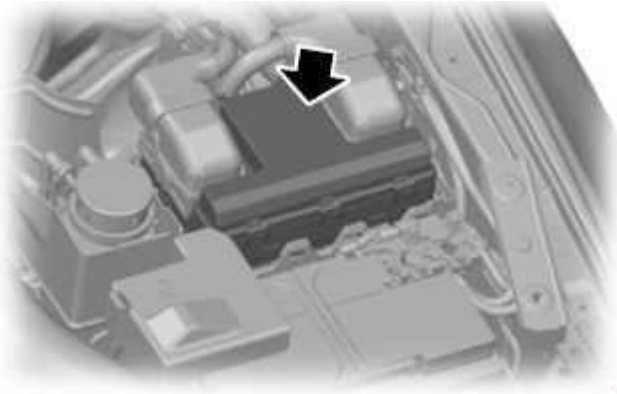
The fuse box is located below and outboard of the steering column behind the access cover.



<b>№</b>	<b>A</b>	<b>Protected Components</b>
1	10	Glove box lamp, Map lamp, Battery saver, Overhead console, Sun visor, Grab handle, Automatic transmission gear shifter (diesel)
2	7.5	Not used
3	20	Driver door latch / Fuel flap unlock relay, Door Double / Aux lock relay
4	5	Not used
5	20	Not used
6	10	Not used
7	10	Not used
8	10	Security horn
9	10	Not used
10	5	Not used
11	5	Interior motion sensor
12	7.5	Electronic control panel, Climate control
13	7.5	Instrument cluster, Data link connector, Steering column control module
14	10	Not used
15	10	Gateway module/smart data link connector, OBDII (RHD)
16	15	Child lock
17	5	Battery backed sounder, Tracking and Blocking Module
18	5	Ignition switch
19	7.5	Not used
20	7.5	Headlamp control module
21	5	Humidity and in car temperature sensor
22	5	Not used

<b>№</b>	<b>A</b>	<b>Protected Components</b>
23	10	Inverter, Driver door window, Central locking system
24	20	Central locking system
25	30	Driver door control module (power window - one touch up/down all doors)
		Driver door power window switch memory (with one touch up/down driver only)
26	30	Passenger door control module (power window) (one touch up/down)
27	30	Not used
28	20	Not used
29	30	Left rear door control module (power window) (one touch up/down)
30	30	Right rear door control module (power window) (one touch up/down)
31	15	Tachograph
32	10	Radio transceiver module, SYNC module, GPS, Multi-function display, Door entry remote
33	20	Audio unit
34	30	Starter relay
35	5	Restraints control module
36	15	Auto-dimming interior mirror
37	15	Not used
38	30	Power windows (without door control module) (one touch up/down - driver only)

## Engine Compartment Fuse Box





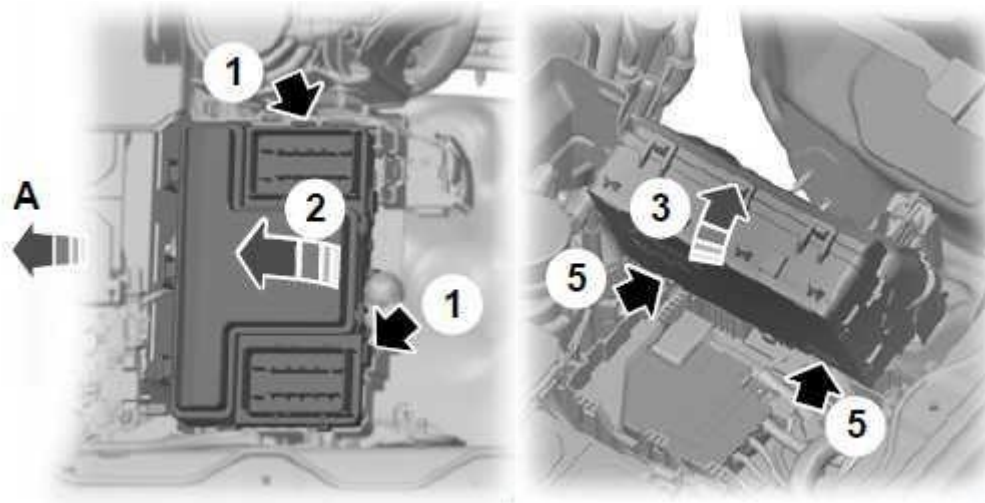
<b>№</b>	<b>A</b>	<b>Protected Components</b>
1	25	Smart wiper module
3	15	Rain sensor
5	20	Auxiliary power point (Rear of centre console)
7	20	Powertrain control module
8	20	Variable intake manifold, Powertrain control module, Evaporative emission canister purge valve, Heated oxygen sensor, Catalyst monitoring sensor (CMS)
10	20	Auxiliary power point (Cigar lighter)
11	15	Powertrain control module, Ignition coil
12	15	2.2 L and 3.2 L Duratorq: Fan drive, Powertrain control module, Glow plugs
13	15	2.5 L Duratec: Heater, Fuel injectors
14	15	2.2 L Duratorq: Powertrain control module, PCV Heater
16	20	Auxiliary power point (Cigar lighter 2)
17	20	Auxiliary power point (Rear cargo area)
18	10	2.5 L Duratec: Powertrain control module, Keep alive power
19	10	Electronic power assist steering
20	10	Lighting control, Headlamp leveling
21	-	Not used
22	10	A/C clutch
23	15	Head-up display, Rear parking aid camera, Adaptive cruise control
24	5	Air Conditioning pressure switch (Manual transmission vehicles only)
25	10	Anti-lock brake system
26	10	Mirror adjust switch, Tachograph
27	5	Auxiliary Heater

<b>№</b>	<b>A</b>	<b>Protected Components</b>
28	10	Powertrain control module
29	-	Not used
30	-	Not used
31	-	Not used
34	15	Stop lamp (Center high mount)
35	15	2.2 L Duratorq and 3.2 L Duratorq: Transmission control module
36	-	Not used
37	10	Heated exterior mirror
43	-	Not used
44	-	Not used
45	10	2.5 L Duratec: Fuel injectors
46	10	Not used
47	10	Brake pedal switch
48	20	Horn
49	-	Not used
50	-	Not used
51	-	Not used
52	-	Not used
53	10	Rear differential lock
54	-	Not used
55	-	Not used
<b>Relay</b>		
2		Starter motor solenoid relay

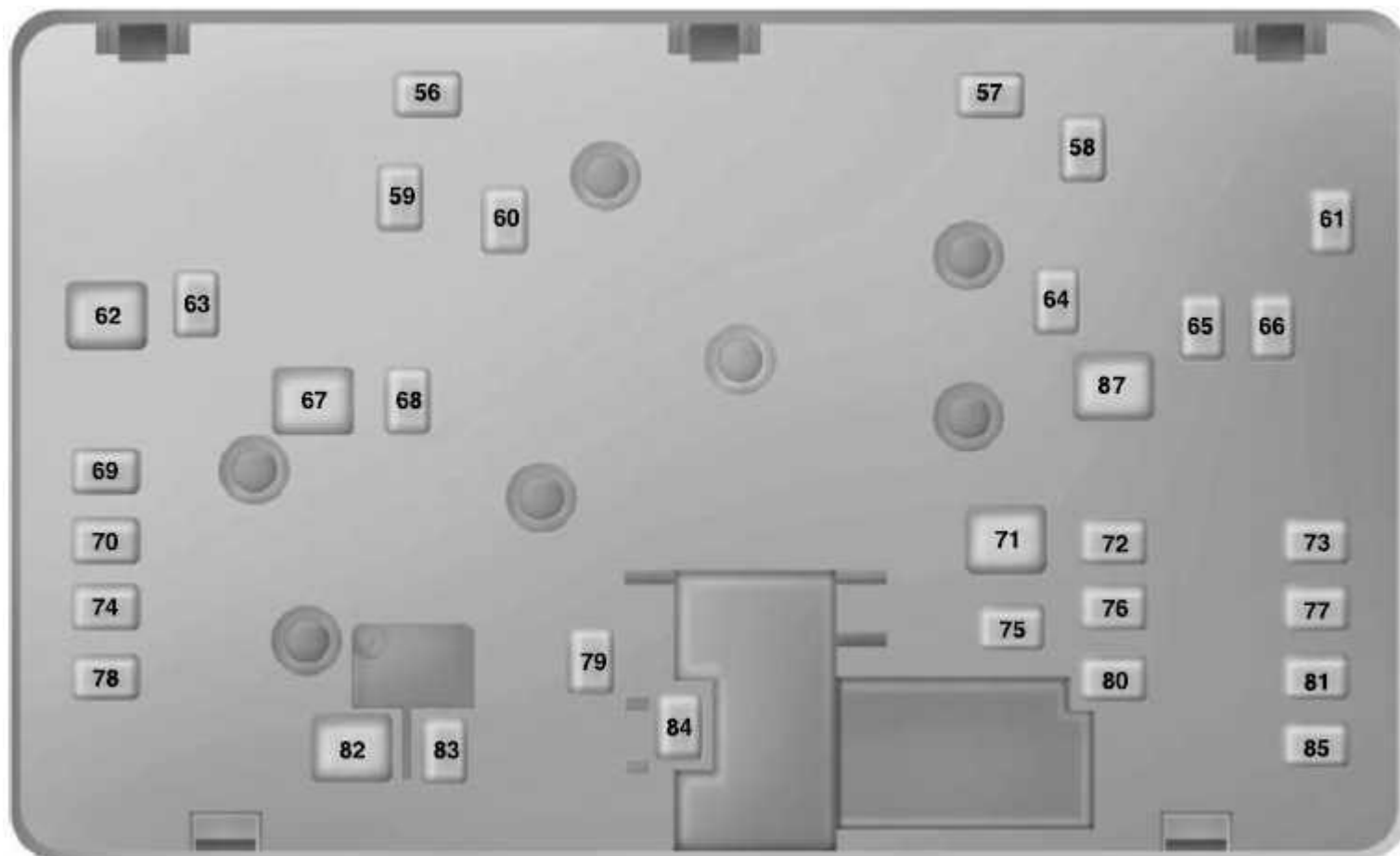
<b>№</b>	<b>A</b>	<b>Protected Components</b>
4		Blower motor relay
6		2.5 L Duratec: Cooling fan relay (High-speed cooling fan)
9		Powertrain control module relay
15		Starter relay
32		2.5 L Duratec and 2.2 L Duratorq: Fuel pump relay
33		A/C clutch relay
38		2.5 L Duratec: Cooling fan relay (Low speed)
39		Four wheel drive power relay
40		Stop lamp relay (Center high mount)
41		Horn relay
42		Four wheel drive motor № 2 relay
86		Four wheel drive motor № 1 relay

There are fuses located on the bottom of the fuse box.

To access the bottom of the fuse box, do the following:



1. Release the two latches, located on both sides of the fuse box.
2. Raise the inboard side of the fuse box from the cradle.
3. Move the fuse box toward the center of the engine compartment.
4. Pivot the outboard side of the fuse box to access the bottom side.
5. Release the two latches to open the fuse cover.

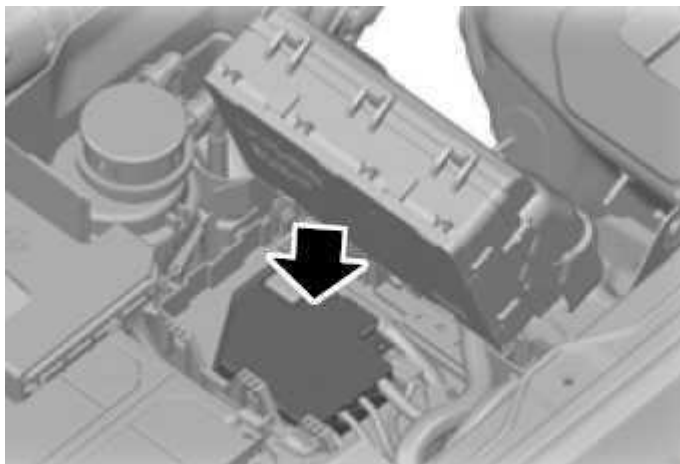


№	A	Protected Components
56	-	Not used
57	-	Not used
58	-	Not used
59	25	Four Wheel Drive
60	30	Fuel Pump Control Module
61	30	Windshield Defrost (left)
62	50	Body control module 1 (lighting)

<b>№</b>	<b>A</b>	<b>Protected Components</b>
63	30	2.5 L Duratec: Low-speed cooling fan
64	20	Trailer tow connector
65	20	Heated front seats
66	30	Windshield Defrost (right)
67	50	Body control module 2
68	20	Rear window defroster
69	30	Anti-lock brake system (Valves)
70	-	Not used
71	50	2.5 L Duratec: High-speed cooling fan
72	-	Not used
73	-	Not used
74	20	Driver power seat
75	-	Not used
76	-	Not used
77	-	Not used
78	-	Not used
79	40	Blower motor
80	-	Not used
81	40	Inverter
82	60	Anti-lock brake system (Pump)
83	25	Windshield wiper motor
84	30	Starter motor solenoid
85	-	Not used

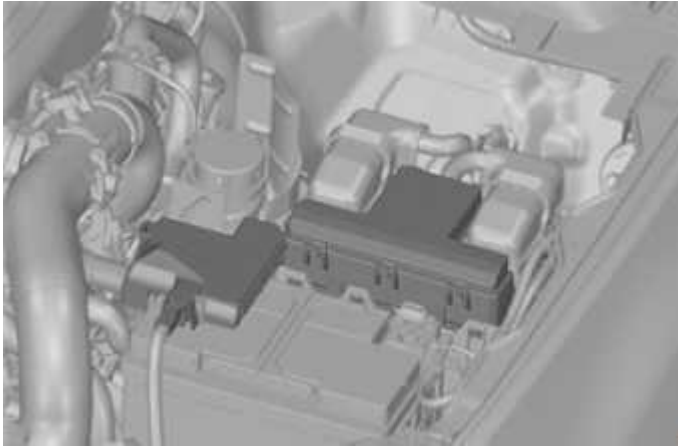
<b>№</b>	<b>A</b>	<b>Protected Components</b>
87	40	Trailer module

## High Current Fuse Box



<b>№</b>	<b>A</b>	<b>Protected Components</b>
1	70	2.5 L Duratec: Heater Control Unit (cold start)
	60	2.2 L Duratorq and 3.2 L Duratorq: Glow plug module.
2	125	Body control module 1
3	50	2.5 L Duratec: Body control module 2
		2.2 L Duratorq and 3.2 L Duratorq: Body control module, Rear parking aid camera, Voltage quality module, Adaptive cruise control, Head-up display
4	-	Busbar through to power distribution box
5	100	Auxiliary heater (if equipped)

## Pre-fuse box (Battery Mounted Fuse Link)



№	A	Protected Components
1	225	Body control module 1
2	125	Electronic power assist steering.