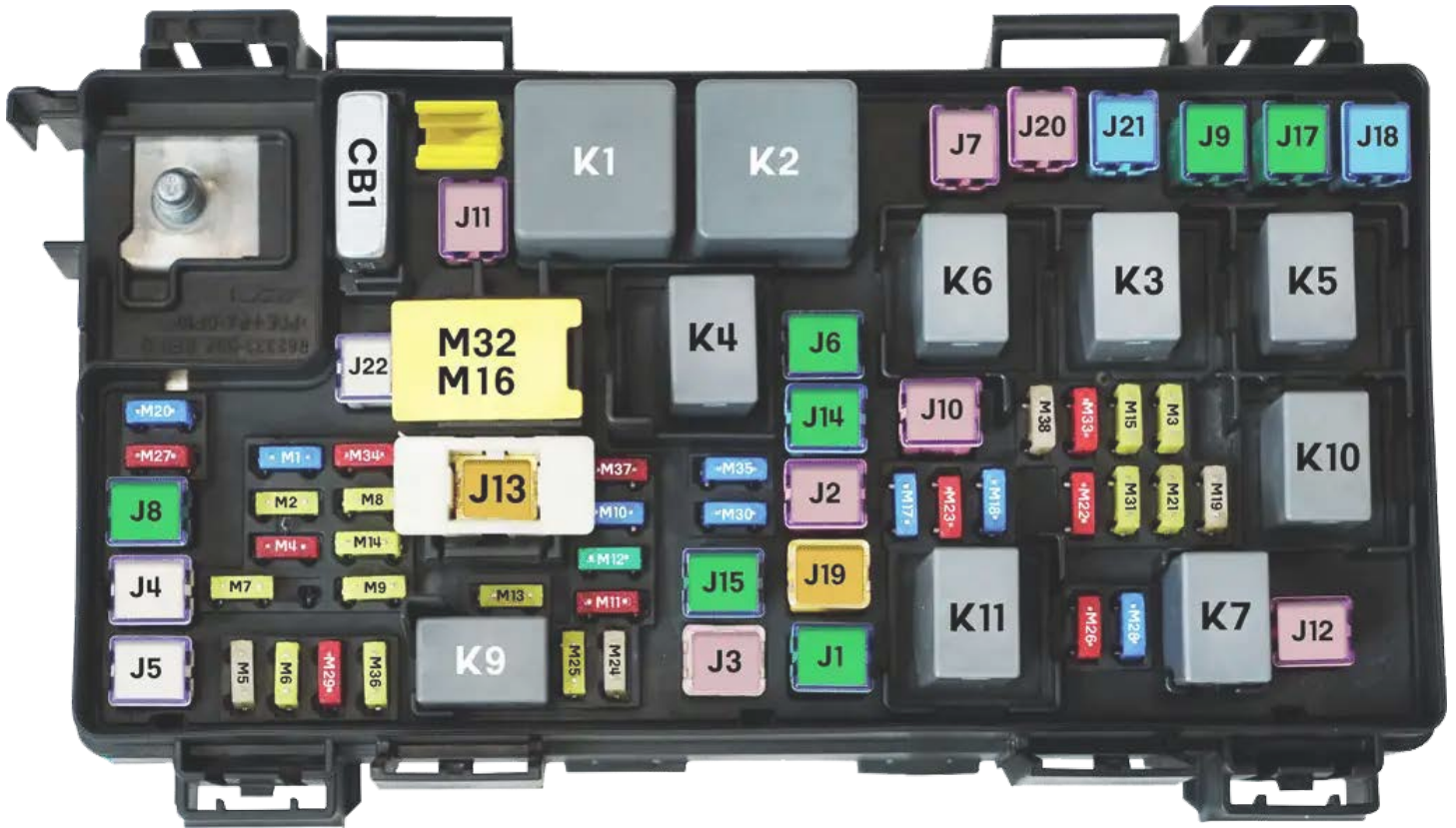


FUSE LAYOUT (TIPM 7)

2011 - 2020



FUSES / RELAYS FOR THIS TIPM

FUSE / RELAY	AMP	DESCRIPTION
CB1	Fuse FMX/JCASE 25A	ACC-PWR Windows
J1	JCASE 40A	Power Folding Seat
J2	Fuse FMX/JCASE 30A	Power Liftgate Module
J3	Fuse FMX/JCASE 30A	Rear Door Window switch

J4	Fuse FMX/JCASE 25A	Driver Door windows switch
J5	Fuse FMX/JCASE 25A	Passenger Door window switch
J6	Fuse FMX/JCASE 40A	ABS/ESP Anti lock Braking System / Electronic Stability Program
J7	Fuse FMX/JCASE 30A	ABS/ESP Anti lock Braking System / Electronic Stability Program
J8	Fuse FMX/JCASE 40A	Power Memory Seat - [If Equipped]
J9	Fuse FMX/JCASE 40A	Partial Zero Emissions Vehicle Motor / Flex Fuel
J10	Fuse FMX/JCASE 30A	Headlamp Washer Relay / Manifold Tuning Valve
J11	Fuse FMX/JCASE 30A	Power Sliding Door Module / Anti-Theft Module Relay Lock Feed
J12	Fuse FMX/JCASE 30A	Rear HVAC / RAD Fan
J13	Fuse FMX/JCASE 60A	Ignition Off Draw (IOD) - Main
J14	Fuse FMX/JCASE 40A	Rear Window Defogger
J15	Fuse FMX/JCASE 30A	Rear A/C Air Conditioning & Heater Blower
J17	Fuse FMX/JCASE 40A	Starter Solenoid
J18	Fuse FMX/JCASE 20A	Powertrain Control Module Trans Range / PCM / TCM
J19	Fuse FMX/JCASE 60A	Radiator Fan
J20	Fuse FMX/JCASE 30A	Front Wiper LO/HI

J21	Fuse FMX/JCASE 20A	Front / Rear Wiper Washer Pump
J22	Fuse FMX/JCASE 25A	Sunroof Module
M1	Fuse MINI 15A	Rear Center Brake Lamp / Brake Switch
M2	Fuse MINI	#NAME?
M3	Fuse MINI 20A	Spare Fuse
M4	Fuse MINI 10A	Trailer Tow
M5	Fuse MINI 25A	Inverter
M6	Fuse MINI 20A	Power Outlet #1 (ACC), Rain Sensor
M7	Fuse MINI 20A	Power Outlet #2 (BATT/ACC SELECT)
M8	Fuse MINI 20A	Front Heated Seat - [If Equipped]
M9	Fuse MINI 20A	Rear Heated Seat - [If Equipped]
M10	Fuse MINI 15A	Ignition Off Draw - Video System, Satellite Radio, DVD, HandsFree Module, Universal Garage Door Opener, Vanity Lamp, Streaming Video Module
M11	Fuse MINI 10A	Ignition Off Draw - Climate Control System
M12	Fuse MINI 30A	Amplifier (AMP) / Radio
M13	Fuse MINI 20A	Ignition Off Draw / Instrument Cluster, SIREN, Clock Module, Multi-Function Control Switch / ITM
M14	Fuse MINI 20A	Spare Fuse
M15	Fuse MINI 20A	Rear View Mirror, Instrument Cluster, Multi-Function Control Switch, Tire Pressure Monitor, Glow Plug Module - Export Diesel Only, AssyShifter (Hall Effect), Acoustic Noise Cancellation
M16	Fuse MINI 10A	Airbag Module
M17	Fuse MINI 15A	Left Tail Light / License / Park Lamp, Running Lamps
M18	Fuse MINI 15A	Right Tail Light / Park / Run Lamp
M19	Fuse MINI 25A	Automatic Shutdown #1 and #2
M20	Fuse MINI 15A	Instrument Cluster Interior Light, Switch Bank, Steering Column Module, Switch Steering Wheel
M21	Fuse MINI 20A	Automatic Shutdown #3
M22	Fuse MINI 10A	Right Horn (HI/LOW)
M23	Fuse MINI 10A	Left Horn (HI/LOW)
M24	Fuse MINI 25A	Rear Wiper
M25	Fuse MINI 20A	Fuel Pump, Diesel Lift Pump - [Export Only]
M26	Fuse MINI 10A	Power Mirror Switch, Driver Window Switch
M27	Fuse MINI 10A	Ignition Switch, Wireless Control Module, Keyless Entry Module, Steering Column Lock
M28	Fuse MINI 10A	Powertrain Control Module, Transmission Feed, Transmission Control Module PCM / TCM
M29	Fuse MINI 10A	Occupant Classification Module
M30	Fuse MINI 15A	Rear Wiper Module, Power Folding Mirror, J1962 Diagnostic Feed
M31	Fuse MINI 20A	Back-Up Lamps / Reverse lights
M32	Fuse MINI 10A	Airbag Module, TT EUROPE

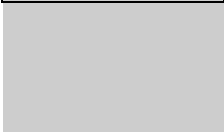
M33	Fuse MINI 10A	Powertrain Control Module, Transmission Control Module PCM / TCM
M34	Fuse MINI 10A	Park Assist, Heater Climate Control System Module, Headlamp Wash, Compass, IR Sensor, Rear Camera, Lamp Door FT Drv / Pass, Lamp Flashlight, AHLM, Relay Diesel Cabin Heater, Rad Fan Diesel
M35	Fuse MINI 10A	Heated Mirrors
M36	Fuse MINI 20A	Power Outlet #3
M37	Fuse MINI 10A	Antilock Brakes, Stability Control System, Stop Lamp Switch, Fuel Pump Relay Hi Control
M38	Fuse MINI 25A	Door Lock / Unlock Motors, Liftgate Lock / Unlock Motors
K1	external grey relay	RUN / ACCESSORY
K2	external grey relay	RUN START RELAY
K3	external grey relay	STARTER SOLENOID RELAY
K4	external grey relay	RUN / START RELAY
K5	external grey relay	PCM / POWERTRAIN CONTROL MODULE RELAY
K6	external grey relay	Rear Window Defogger
K7	external grey relay	NOT POPULATED
K8	external grey relay	NOT POPULATED
K9	external grey relay	REAR A/C AIR CONDITIONING AND HEAT BLOWER MOTOR
K10	external grey relay	AUTO SHUT DOWN RELAY
K11	external grey relay	Radiator fan low relay
FUSE PULLER	-	-

FUNCTIONS OF THIS TIPM

			INTERNAL	INTERNAL
<p>THIS TIPM's FUNCTIONS may be an internal tipm issue (be sure to check external fuses and relays)</p>		<p>Important Notes!</p>	<p>Links</p>	<p>Fuse and Relay check list</p>
<p>General functions</p>	<p>Functions TIPM controls</p>			

Starting	Fuel Pump	Fuel pump not turning on, causing stalling or starting issues. It may also be stuck on constantly, draining the battery		relevant fuses
	Starter	may be an internal tipm issue (be sure to check external fuses and relays)		external relays K1 through K5 / relevant fuses
Transmission	PWR to Transmission Control Module	may be an internal tipm issue (be sure to check external fuses and relays)		external relay K5 / relevant fuses
Lighting	Headlights	headlights & wipers going off at the same time may be issue with can-bus communcation	Bus Issue - Wipers & Lights	relevant fuses
		headlights / wipers / washer fluid going off may be a short elsewhere in the vehicle (no external fuses or relays)		
	Fog Lights	signals or fog lights n/w or crossed in 2011-13 Caravan or Town & Country - See Link	Signals or Fog Lights Issue	
	Turn Signals	signals or fog lights n/w or crossed in 2011-13 Caravan or Town & Country - See Link		
	Reverse Lights	may be an internal tipm issue (be sure to check external fuses)		
	Brake Lights	may be an internal tipm issue (be sure to check external fuses)		
	Trailer Lights	may be an internal tipm issue (be sure to check external fuses)		
	Running Lights	may be an internal tipm issue (be sure to check external fuses)		
	License Plate Light	may be an internal tipm issue (be sure to check external fuses)		
locks	door locks trunk / tailgate locks	If locks are not working after install, maybe reset related issue. Follow soft reset instructions	TIPM Installation	relevant fuses
		may be an internal tipm issue (be sure to check external fuses)		
All Other	Heated Seats	may be an internal tipm issue (be sure to check external fuses)		relevant fuses
	Air conditioning / Heat Blow Motor	may be an internal tipm issue (be sure to check external fuses and relays)		external relays K7 & 9 / relevant fuses
	Auto Shut Down	may be an internal tipm issue (be sure to check external fuses and relays)		external relay K10 / relevant fuses

	Radiator / Cooling Fan	may be an internal tipm issue (be sure to check external fuses and relays)		external relay K11 / relevant fuses
	Horn	horn going off on it's own may be a short elsewhere in the vehicle		relevant fuses
		headlights / wipers / washer fluid going off may be a short elsewhere in the vehicle (no external fuses or relays)		
		may be an internal tipm issue (be sure to check external fuses)		
	Wipers	headlights & wipers going off at the same time may be issue with can-bus communication (not tipm)		relevant fuses
		may be an internal tipm issue (be sure to check external fuses)		
	Washer Pump / Fluid	headlights / wipers / washer fluid going off may be a short elsewhere in the vehicle (no external fuses or relays)		relevant fuses
		may be an internal tipm issue (be sure to check external fuses)		



Other issues not mentioned that can be TIPM related

Dash warning lights - may be internal TIPM failure causing communication issues with other modules, which can cause warning lights. can be caused by many other factors other than TIPM as well, like loose wire, bad connection in a plug, etc.

Vehicle running with the key out

