

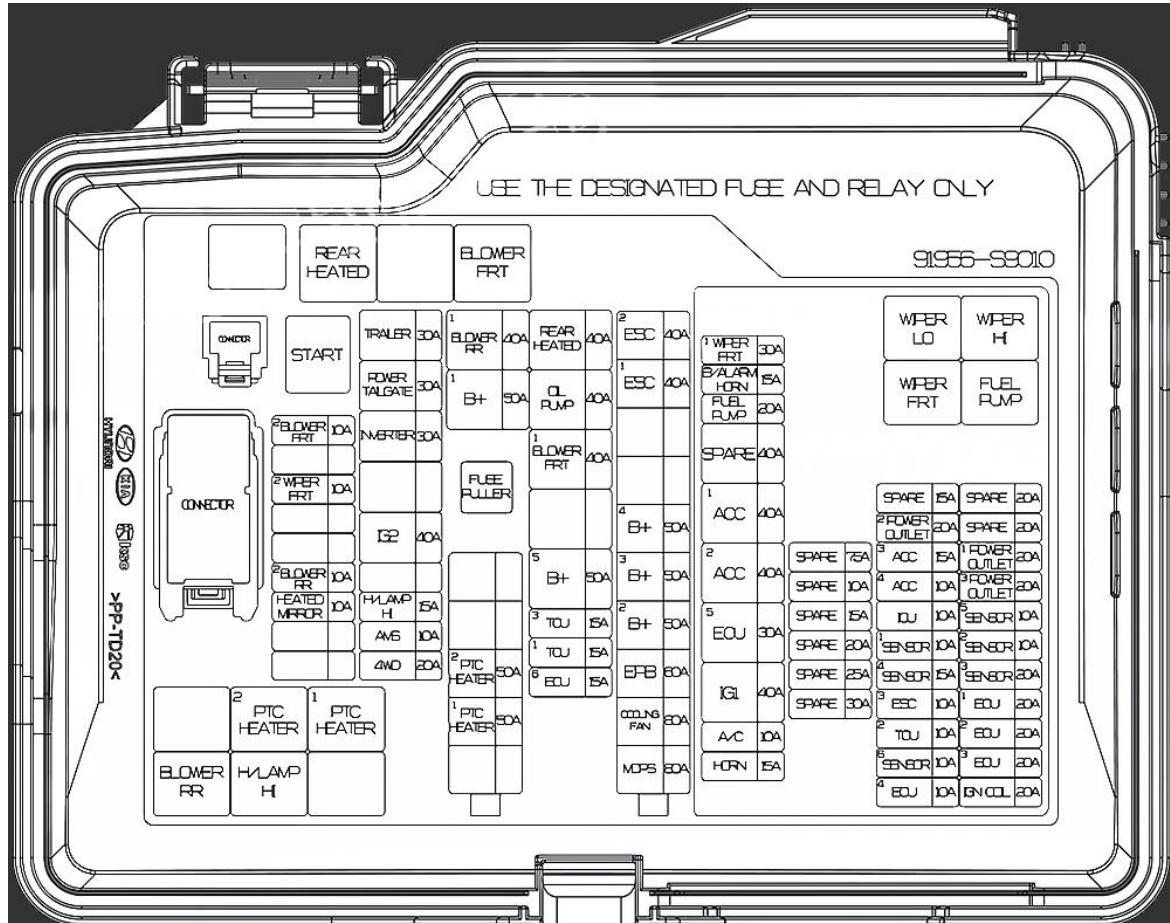
## 2019-2022 Kia Telluride (EX). Fuse and Relay panel description. Fuse replacement

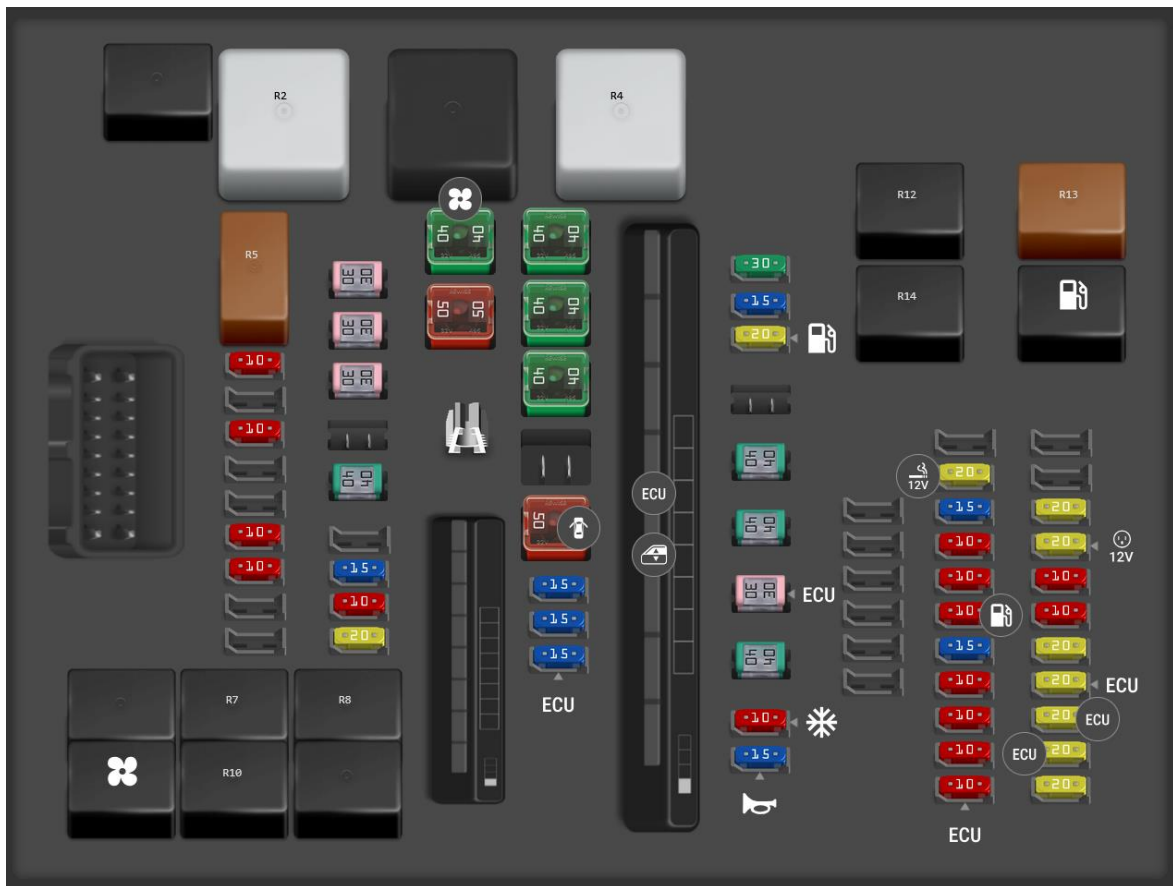
### Engine Compartment Fuse Box.

The fuse box is located in the left side of the engine compartment, as illustrated in the image.

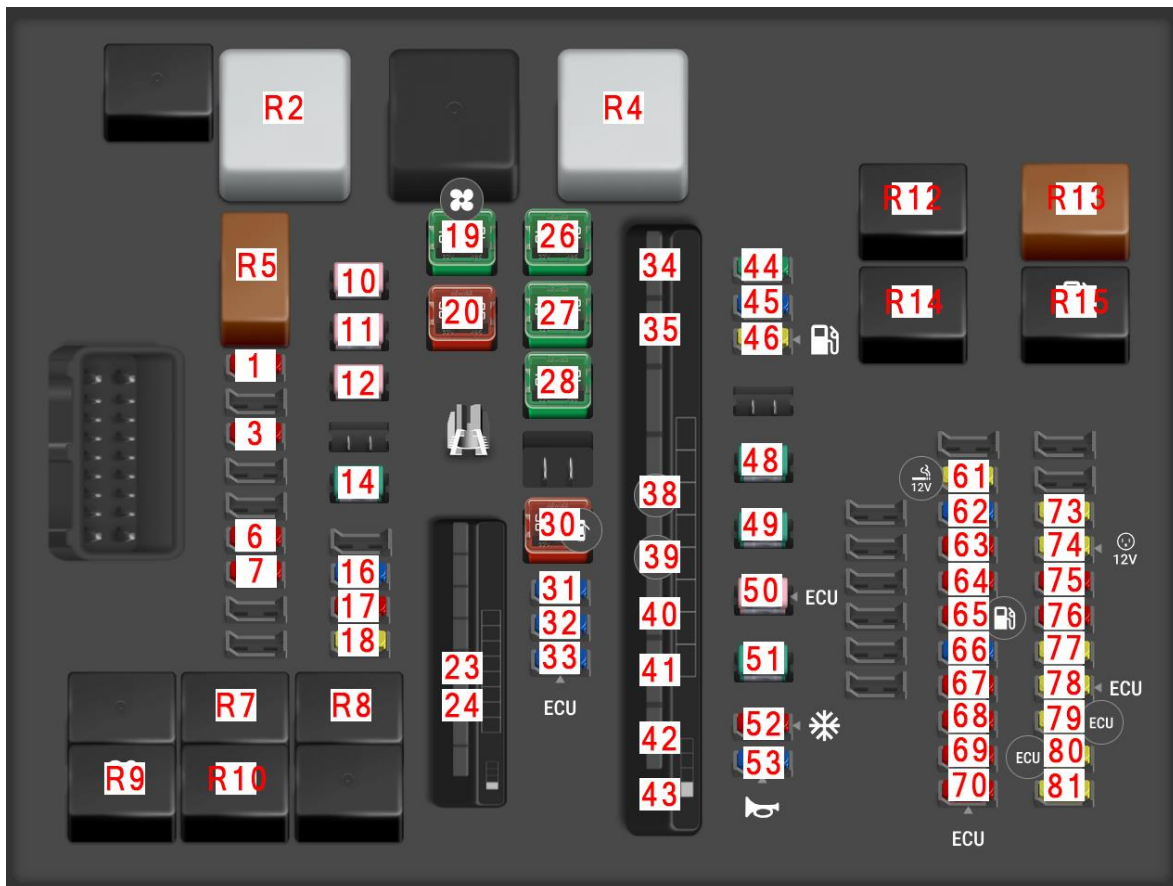












Engine compartment fuse box diagram:





Description and specifications of fuses and relays in the engine compartment fuse box.



Type	Description
Fuse MINI 10A	1 Front A/C Control Module
Fuse MINI 10A	3 IBU (Integrated Body Control Unit)
Fuse MINI 10A	6 Rear A/C Control Module
Fuse MINI 10A	7 Driver/Passenger Power Outside Mirror, Front A/C Control Module
Fuse FMM/MCASE 30A	10 Trailer Connector
Fuse FMM/MCASE 30A	11 Power Tail Gate Module
Fuse FMM/MCASE 30A	12 AC Inverter Unit
Fuse FMM/MCASE 40A	14 Start Relay PCB Block (IG2 Relay)
Fuse MINI 15A	16 H/Lamp HI Relay
Fuse MINI 10A	17 Battery Sensor
Fuse MINI 20A	18 4WD ECM (Engine Control Module)
Fuse FMX/JCASE 40A	 19 Blower RR Relay
Fuse FMX/JCASE 50A	20 ICU Junction Block (IPS 1/IPS 2/IPS 3/IPS 5/IPS 6/IPS 7, Long/ Short Term Load Latch Relay)
Multi Fuse Block MUSB	23 PTC Heater 2 Relay
Multi Fuse Block MUSB	24 PTC Heater 1 Relay
Fuse FMX/JCASE 40A	26 Rear Heated Relay
Fuse FMX/JCASE 40A	27 Electric Oil Pump Inverter
Fuse FMX/JCASE 40A	28 Blower FRT Relay
Fuse FMX/JCASE 50A	 30 ICU Junction Block (Fuse - DOOR LOCK, IBU (Integrated Body Control Unit) 1. IBU (Integrated Body Control Unit) 2, BRAKE SWITCH CHILD LOCK RR SEAT (RH), SUNROOF 2)
Fuse MINI 15A	31 TCM (Transmission Control Module)
Fuse MINI 15A	32 TCM (Transmission Control Module)
Fuse MINI 15A	 33 ECM (Engine Control Module)
Multi Fuse Block MUSB	34 ESC (Electronic Stability Control) Module
Multi Fuse Block MUSB	35 ESC (Electronic Stability Control) Module
Multi Fuse Block MUSB	 38 ICU Junction Block (Fuse - MODULE 8, S/HEATER (FRT), P/ WINDOW RH. AMP. SUNROOF 1)
Multi Fuse Block MUSB	 39 ICU Junction Block (Fuse - P/WINDOW LH, RR SEAT (LH). P/ SEAT (DRV), P/SEAT (PASS), MODULE 11)
Multi Fuse Block MUSB	40 ICU Junction Block (IPS 8/IPS 10/IPS 11/IPS 12/IPS 13/IPS 14/IPS 15)
Multi Fuse Block MUSB	41 ESC (Electronic Stability Control) Module
Multi Fuse Block MUSB	42 Cooling Fan Controller
Multi Fuse Block MUSB	43 MDPS (Motor Driven Power Steering) Unit
Fuse MINI 30A	44 Wiper FRT Relay
Fuse MINI 15A	45 B/Alarm Horn Relay
Fuse MINI 20A	 46 Fuel Pump Relay
Fuse FMM/MCASE 40A	48 ACC 1 Relay
Fuse FMM/MCASE 40A	49 ACC 2 Relay
Fuse FMM/MCASE 30A	 50 Engine Control Relay
Fuse FMM/MCASE 40A	51 IG1 Relay
Fuse MINI 10A	 52 A/C Relay
Fuse MINI 15A	 53 Horn Relay
Fuse MINI 20A	 61 Front Power Outlet
Fuse MINI 15A	62 Rear USB Charger, Luggage USB Charger, Driver/Passenger Seat Cushion USB Charger
Fuse MINI 10A	63 Front USB Charger, Rear USB Charger RH
Fuse MINI 10A	64 ICU Junction Block (Fuse ACC)

Type	Description
Fuse MINI 10A	65 Fuel Pump Relay
Fuse MINI 15A	66 Canister Close Valve, Oxygen Sensor #1/#2/#3/#4
Fuse MINI 10A	67 Data Link Connector ESC (Electronic Stability Control) Module
Fuse MINI 10A	68 TCM (Transmission Control Module), Transaxle Range Switch
Fuse MINI 10A	69 Electric Oil Pump Inverter
Fuse MINI 10A	70 ECM (Engine Control Module)
Fuse MINI 20A	73 Luggage Power Outlet
Fuse MINI 20A	74 Rear Power Outlet
Fuse MINI 10A	75 Oil Pump Solenoid
Fuse MINI 10A	76 A/C Relay Purge Control Solenoid Valve, Oil Control Valve #1/#2/#3/#4 (Intake/Exhaust), Variable Intake Solenoid Valve #1/#2. Electronic Thermostat
Fuse MINI 20A	77 Cooling Fan Controller
Fuse MINI 20A	78 ECM (Engine Control Module)
Fuse MINI 20A	79 ECM (Engine Control Module)
Fuse MINI 20A	80 ECM (Engine Control Module)
Fuse MINI 20A	81 Ignition Coil #1/#2/#3/#4/#5/#6
Fuse Puller	<b>FUSE PULLER</b> Extraction tool for fuse replacement.
Relay	R2 Rear Heated
Relay	R4 Blower FRT Relay
Relay	R5 Start

Instrument panel Fuse Box.







The fuse box is located under the instrument panel.



Instrument panel Fuse box diagram:

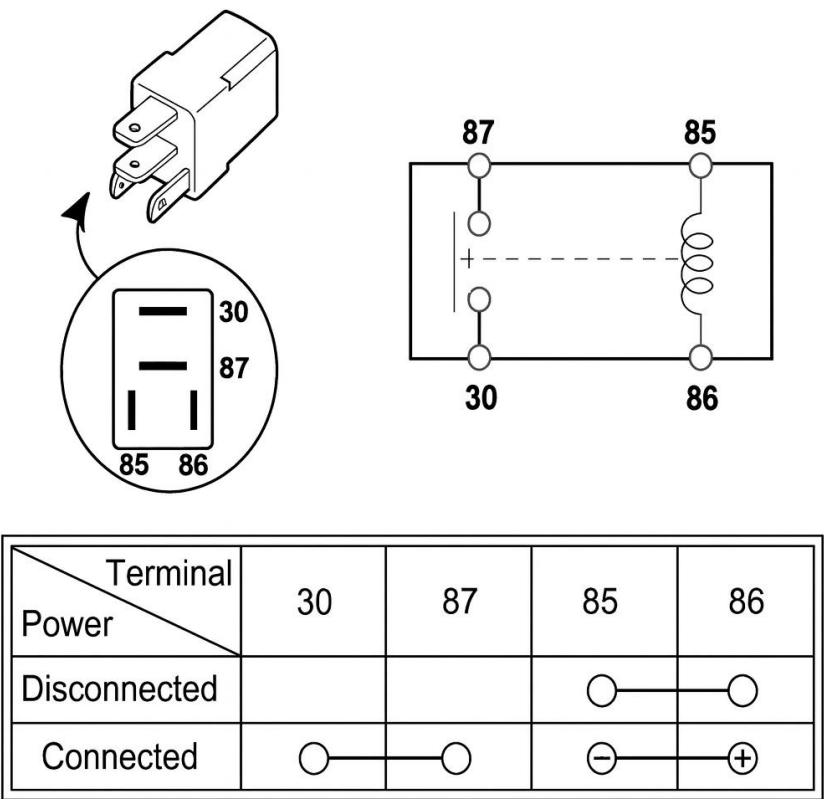




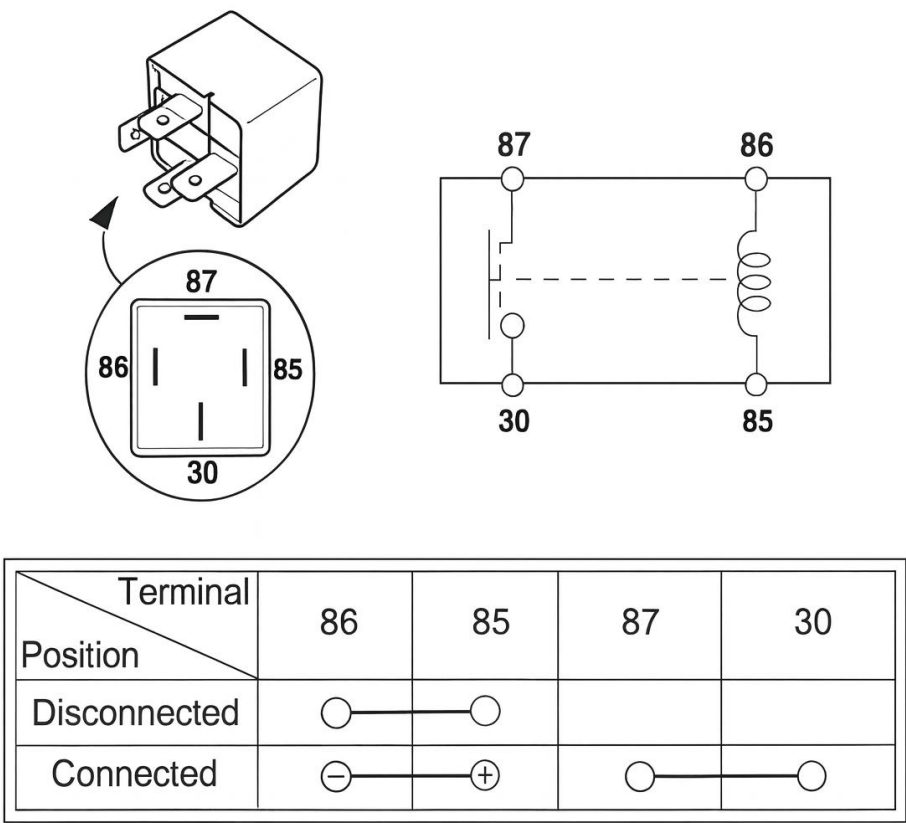
Type	No.	Description
Fuse MICRO2 7.5A	1	ATM (Auto Transmission) Shift Lever Switch, Stop Lamp Switch Driver Door Module
Fuse MICRO2 15A	2	SRS (Supplemental Restraint System) Control Module, Passenger Occupant Detection Sensor
Fuse MICRO2 7.5A	4	IBU (Integrated Body Control Unit), Stop Lamp Switch
Fuse MICRO2 15A	7	Front A/C Control Module, Low DC-DC Converter (Audio), Power Tail Gate Module, Driver IMS Control Module, Driver Door Module, Driver/Passenger Power Outside Mirror,
Fuse MICRO2 7.5A	8	Head-Up Display
Fuse MICRO2 10A	9	 Blind-Spot Collision Warning Unit LH/RH, Front A/C Control Module, Rear A/C Control Module, Electro Chromic Mirror, Data Link Connector
Fuse MICRO2 10A	10	 Module
Fuse MICRO2 10A	12	 Front A/C Control Module, Instrument Cluster
Fuse MICRO2 7.5A	14	IBU (Integrated Body Control Unit)
Fuse MICRO2 7.5A	15	Surround View Monitor Unit, AC Inverter Outlet, AC Inverter Unit, Front Air Ventilation Seat Control Module, Front Seat Warmer Control Module 2ND Air Ventilation Seat Control Module LH/RH, 2ND Seat Warmer Control Module LH/RH
Fuse MICRO2 7.5A	16	Hazard Switch Rain Sensor, Driver/Passenger Smart Key Outside Handle, Mood Lamp Control Unit, Driver/Passenger Mood Lamp, Driver/Passenger Door Mood Lamp, Rear Door Mood Lamp LH/RH
Fuse MICRO2 20A	17	Front Air Ventilation Control Module, Front Seat Warmer Control Module
Fuse MICRO2 15A	18	SRS (Supplemental Restraint System) Control Module
Fuse MICRO2 7.5A	21	Multifunction Camera Unit, Crash Pad Switch IBU (Integrated Body Control Unit), Smart Cruise Control Radar, ATM (Auto Transmission) Shift Lever Indicator, 4WD ECM (Engine Control Module), Console Switch, Electric Parking Brake Switch
Fuse MICRO2 15A	23	IBU (Integrated Body Control Unit)
Fuse MICRO2 20A	24	Rear Sunroof Controller
Fuse MICRO2 7.5A	25	IBU (Integrated Body Control Unit)
Fuse MICRO2 25A	27	Passenger Safety Power Window Module, Rear Safety Power Window Module RH
Fuse MICRO2 25A	29	2ND Air Ventilation Seat Control Module LH, 2ND Seat Warmer Control Module LH, 2ND Seat LH Reclining Folding Actuator
Fuse MICRO2 7.5A	30	 Instrument Cluster, Head-Up Display
Fuse MICRO2 10A	31	MDPS (Motor Driven Power Steering) Unit
Fuse MICRO2 7.5A	32	 E/R Junction Block (Blower FRT Relay, Blower RR Relay, PTC Heater 1/2 Relay), Front A/C Control Module, Rear A/C Control Module
Fuse MICRO2 15A	33	ICM (Integrated Circuit Module) Relay Box (Child Lock/Unlock Relay)
Fuse MICRO2 20A	34	Door Lock Relay Door Unlock Relay, Tail Gate Relay. T/Turn Unlock Relay
Fuse MICRO2 20A	36	Front Sunroof Controller
Fuse MICRO2 10A	38	Rear Occupant Detection Sensor
Fuse MICRO2 25A	39	Driver Safety Power Window Module, Rear Safety Power Window Module LH
Fuse MICRO2 7.5A	40	IBU (Integrated Body Control Unit)
Fuse MICRO2 7.5A	41	 Audio, A/V & Navigation Head Unit, Low DC-DC Converter (Audio/AMP), Front A/C Control Module, Electro Chromic Mirror, Center fascia Keyboard, Driver/Passenger Seat Warmer Switch Driver/Passenger Seat Warmer LIN Switch, Driver IMS Control Module, Rear Power Window Switch LH/ RH, Front Air Ventilation Control Module, Front Seat Warmer Control Module, 2ND Air Ventilation Seat Control Module LH/RH, 2ND Seat Warmer Control Module LH/RH
Fuse MICRO2 15A	42	Multifunction Switch
Fuse MICRO2 15A	43	Rear A/C
Fuse MICRO2 25A	44	2ND Air Ventilation Seat Control Module RH, 2ND Seat Warmer Control Module RH, 2ND Seat RH Reclining Folding Actuator
Fuse MICRO2 15A	45	Rear Wiper Relay Rear Wiper Motor
Fuse MICRO2 25A	46	Low DC-DC Converter (AMP)
Fuse MICRO2 7.5A	47	IBU (Integrated Body Control Unit), Low DC-DC Converter (Audio/AMP)
Fuse MICRO2 30A	48	Passenger Seat Manual Switch
Fuse MICRO2 30A	49	Driver IMS Control Module, Driver Seat Manual Switch

Relay Inspection.

Power Relay (Type A).



Power Relay (Type B).



Check for continuity between the terminals.

1. After supplying power to between No. 85 and 86 power relay terminals, check that there is continuity between No. 30 and 87 terminals.
2. After disconnecting power between No. 85 and 86 power relay terminals, check that there is no continuity between No. 30 and 87 terminals.

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