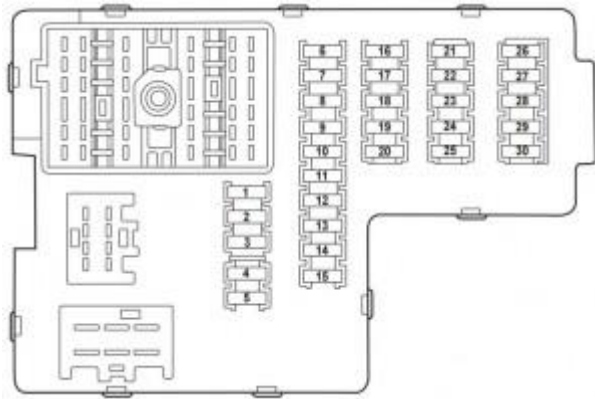


## Mercury Mountaineer 2002 -2005 fuse box diagram

### Passenger compartment fuse panel



Mercury Mountaineer Second Generation – fuse box – passenger compartment

The fuse panel is located below the instrument panel on the driver's side.

| No. | A  | Circuits Protected                                                         |
|-----|----|----------------------------------------------------------------------------|
| 1   | 30 | Memory seat module, Driver power seat ('03-'05), Driver power lumbar ('05) |
| 2   | 20 | Heated seats ('02), Moonroof                                               |

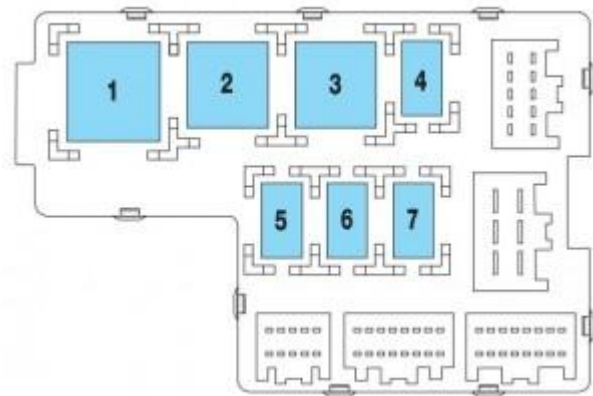
|    |    |                                                                                                      |
|----|----|------------------------------------------------------------------------------------------------------|
| 3  | 20 | Radio, Amplifier, Power antenna ('02), DVD                                                           |
| 4  | 5  | Front wiper module                                                                                   |
| 5  | 15 | Flasher relay (Turn, hazards)                                                                        |
| 6  | 10 | Right horn ('02), Key-in-chime ('03-'05)                                                             |
| 7  | 15 | Heated mirrors                                                                                       |
| 8  | 5  | '04-'05: Heated PCV (4.0L engine only)                                                               |
| 9  | —  | Not used (spare)                                                                                     |
| 10 | 10 | Heated backlight relay coil, Heated seat module ('02), Temp blend actuator ('02), A/C clutch contact |
| 11 | 20 | '03-'05: Heated seats                                                                                |

|    |    |                                                                                                               |
|----|----|---------------------------------------------------------------------------------------------------------------|
| 12 | 5  | '02: Foglamp switch, 4×4 module                                                                               |
| 13 | 5  | Overdrive cancel switch, Flex fuel sender ('02-'03)                                                           |
| 14 | 5  | PATS module                                                                                                   |
| 15 | 5  | Rear wiper module, Cluster, TPMS ('02-'03)                                                                    |
| 16 | 5  | Power mirror, Manual climate control, TPMS                                                                    |
| 17 | 15 | Delayed acc. coil, Battery saver, Interior lamps (front and rear), Glove compartment lamp                     |
| 18 | 10 | Left horn ('02-'03), Flexible fuel pump ('04-'05)                                                             |
| 19 | 10 | RCM, PAD indicator ('02)                                                                                      |
| 20 | 5  | Memory driver seat switch, Driver seat module, Body Security Module (BSM), PATS LED, Sunload sensor ('02-'03) |

|    |     |                                                                                                          |
|----|-----|----------------------------------------------------------------------------------------------------------|
| 21 | 5   | Instrument cluster, Compass, Flasher coil                                                                |
| 22 | 10  | ABS, IVD Controller                                                                                      |
| 23 | 15  | '02-'03: Brake pedal position switch, Driver brake applied relay, Redundant cruise deactivate switch     |
| 24 | 15  | Cigar lighter, OBD II                                                                                    |
| 25 | 5   | Mode-Temperature actuator for auxiliary climate control, Trailer tow battery charge coil, TPMS ('04-'05) |
| 26 | 7.5 | Reverse park aid, Brake shift interlock, Approach lamp relay coil ('02), IVD switch                      |
| 27 | 7.5 | Automatic dimming mirror, Digital transmission range sensor, Backup lamps                                |
| 28 | 5   | Radio (Start)/DVD (Start)                                                                                |

|    |    |                                                                                                                                            |
|----|----|--------------------------------------------------------------------------------------------------------------------------------------------|
| 29 | 10 | Digital transmission range sensor, PWR feed to fuse #28 (Start feed)                                                                       |
| 30 | 5  | Daytime Running Lamps (DRL), Remote solenoid, DEATC climate controller, Manual climate control, Manual climate control temp blend actuator |

Passenger compartment fuse panel (top side)



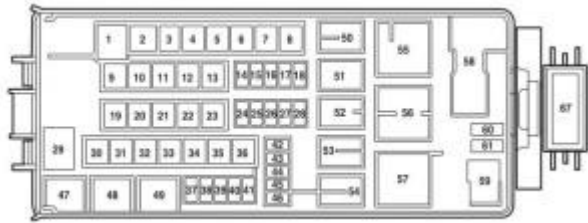
Mercury Mountaineer Second Generation – fuse box – passenger compartment (top

side)

These relays are located on the reverse side of the passenger compartment fuse panel. To access the relays you must remove the passenger compartment fuse panel.

| No. | Circuits Protected |
|-----|--------------------|
| 1   | Flasher            |
| 2   | Rear defrost       |
| 3   | Delayed accessory  |
| 4   | Open               |
| 5   | Battery saver      |
| 6   | Open               |
| 7   | Open               |

Engine Compartment Fuse Box



Mercury Mountaineer Second Generation – fuse box – power distribution box

The power distribution box is located in the engine compartment. The power distribution box contains high-current fuses that protect your vehicle's main electrical systems from overload.

| No. | A  | Circuits Protected                |
|-----|----|-----------------------------------|
| 1   | 60 | PJB                               |
| 2   | 30 | BSM                               |
| 3   | —  | Not used                          |
| 4   | 30 | Rear defrost                      |
| 5   | 40 | Anti-lock Brake System (ABS) pump |

|    |    |                                                             |
|----|----|-------------------------------------------------------------|
| 6  | 60 | Delayed accessory, Power windows ('04-'05), Audio ('04-'05) |
| 7  | 20 | Power point #2                                              |
| 8  | —  | Not used                                                    |
| 9  | 20 | Power point #1                                              |
| 10 | 30 | ABS module (valves)                                         |
| 11 | 40 | PTEC ('02-'03), Powertrain Control Module (PCM) ('04-'05)   |
| 12 | 50 | Ignition relay/Starter relay                                |
| 13 | 40 | Trailer tow battery. Trailer tow turn signals               |
| 14 | 10 | '02-'03: Daytime Running Lamps (DRL) (Canada)               |

|    |    |                                                                                                                                             |
|----|----|---------------------------------------------------------------------------------------------------------------------------------------------|
| 15 | 15 | Memory (KAPWR) ('02), Memory (PCM/DEATC/Cluster) ('03-'05),<br>Courtesy lamps ('03-'05)                                                     |
| 16 | 15 | Headlamp switch ('02-'03), Foglamp switch ('03), Park lamps ('04-'05),<br>Autolamp parklamps ('04-'05), Front foglamps relay coil ('04-'05) |
| 17 | —  | Not used                                                                                                                                    |
| 18 | 20 | 4×4 (v-batt 1) ('02-'03), PCM with two-speed 4×4 clutch ('04-'05)                                                                           |
| 19 | 20 | High beam relay                                                                                                                             |
| 20 | 30 | Trailer electric brake module                                                                                                               |
| 21 | 30 | Front wiper motor                                                                                                                           |
| 22 | 20 | Autolamp; Low beam                                                                                                                          |

|    |    |                                        |
|----|----|----------------------------------------|
| 23 | 30 | Ignition switch, PCM diode ('04-'05)   |
| 24 | —  | Not used                               |
| 25 | 15 | '04-'05: Brake on-off                  |
| 26 | 15 | '02-'03: Fuel pump                     |
|    | 20 | '04-'05: Fuel pump                     |
| 27 | 20 | Trailer tow lamps, Trailer tow back-up |
| 28 | 20 | Horn relay                             |
| 29 | 60 | PJB                                    |
| 30 | 20 | Rear wiper motor                       |

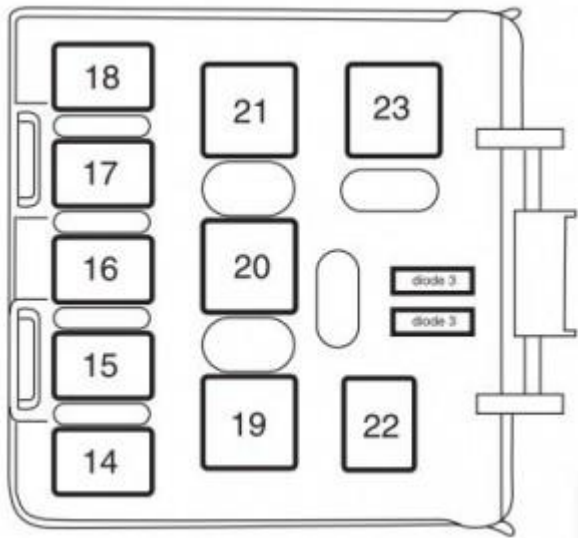
|    |    |                                                                                                    |
|----|----|----------------------------------------------------------------------------------------------------|
| 31 | —  | Not used                                                                                           |
| 32 | —  | Not used                                                                                           |
| 33 | 30 | Auxiliary blower motor                                                                             |
| 34 | 30 | Power seats, Adjustable pedals                                                                     |
| 35 | 20 | Rear power point ('02)                                                                             |
| 36 | 40 | Blower motor                                                                                       |
| 37 | 15 | A/C clutch relay/Transmission                                                                      |
| 38 | 15 | Coil on plug ('02-'03), HEGO ('04-'05), VMV ('04-'05), CMS ('04-'05), ESM ('04-'05), CVS ('04-'05) |
| 39 | 15 | Injectors/Fuel pump relay                                                                          |

|    |    |                                                                                                                                                   |
|----|----|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 40 | 15 | PTEC power ('02-'03), PCM power ('04-'05)                                                                                                         |
| 41 | 15 | HEGO ('02-'03), VMV ('02-'03), CMS ('02-'03), PTEC ('02-'03), Coil on plug ('04-'05; 4.6L engine only), Ignition coil ('04-'05; 4.0L engine only) |
| 42 | 10 | Right low beam                                                                                                                                    |
| 43 | 10 | Left low beam                                                                                                                                     |
| 44 | 15 | Front foglamps                                                                                                                                    |
| 45 | 5  | Brake pressure switch ('02)                                                                                                                       |
|    | 2  | Brake pressure switch (ABS) ('03-'05)                                                                                                             |
| 46 | 20 | High beams                                                                                                                                        |
| 62 | 30 | Circuit Breaker: Delayed accessory ('02), Power windows ('03-'05)                                                                                 |

|       |                                |
|-------|--------------------------------|
| Relay |                                |
| 47    | Horn                           |
| 48    | Fuel pump                      |
| 49    | High beam                      |
| 50    | Fog lamp                       |
| 51    | '02-'03: Daytime Running Lamps |
| 52    | A/C clutch                     |
| 53    | Trailer tow right turn         |
| 54    | Trailer tow left turn          |

|       |                                                        |
|-------|--------------------------------------------------------|
| 55    | Blower motor                                           |
| 56    | Starter                                                |
| 57    | '02-'03: PTEC<br>'04-'05: PCM                          |
| 58    | Ignition                                               |
| 59    | '02-'03: Driver brake applied or Daytime Running Lamps |
| Diode |                                                        |
| 60    | PCM                                                    |
| 61    | A/C clutch                                             |

Rear Relay Box



Mercury Mountaineer Second Generation – fuse box – rear relay box

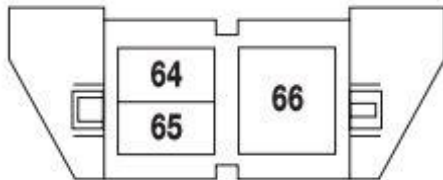
The relay box is located on the rear passenger side quarter trim panel. To access this box you must remove the trim panel.

| No. | Circuits Protected        |
|-----|---------------------------|
| 14  | Not used                  |
| 15  | Trailer tow back-up lamps |
| 16  | Not used                  |

|       |                            |
|-------|----------------------------|
| 17    | Not used                   |
| 18    | Not used                   |
| 19    | Trailer tow park lamps     |
| 20    | Trailer tow battery charge |
| 21    | Not used                   |
| 22    | '02: Approach lamps        |
| 23    | Not used                   |
| Diode |                            |
| 3     | Not used                   |

|   |          |
|---|----------|
| 4 | Not used |
|---|----------|

Auxiliary relay box (trailer tow)



Mercury Mountaineer Second Generation – fuse box – auxiliary relay box

The relay box is located on the front right fender well underneath the speed control module.

| Relay    | Description              |
|----------|--------------------------|
| Relay 64 | Trailer Tow (left turn)  |
| Relay 65 | Trailer Tow (right turn) |
| Relay 66 | Not used                 |