# Model X Spare 12V Power Circuit

Model X vehicles are equipped with a spare 12V power circuit. The purpose of this 12V power circuit is to provide a switched power source that reduces the risk of vehicle damage due to improperly installed third-party equipment. Use this document to help locate the spare 12V power circuit and the related fuse.

**CAUTION:** Tapping into the 12V system, including the spare 12V power circuit, is done solely at the user's risk and can result in increased draining of, or potential damage to, the 12V battery. Potential effects of modifying Model X with third-party components can include, but are not limited to, reduced driving range and increased electromagnetic interference (EMI).

**CAUTION:** Always refer to the Service Manual for the most up-to-date instructions on disconnecting and reconnecting 12V power and removing and installing center console trim components. The instructions in this document may not be applicable to the particular vehicle you are working on due to build date, configuration changes, market region, etc.

**NOTE**: Tesla does not endorse the use of third-party equipment and does not accept any responsibility for any damage incurred from installing non-OEM equipment.

**NOTE**: Tesla employees are not permitted to install or assist with the installation of third-party equipment.

To access the spare 12V power circuit:

1. 12V power must be disconnected before splicing into the 12V power circuit. Refer to Service Manual procedure 17010200 for instructions on disconnecting 12V power.

**CAUTION:** Failure to properly disconnect 12V power prior to splicing into the 12V power circuit can result in damage to the vehicle or the 12V battery. Tesla is not responsible for any damage to the vehicle or 12V battery.

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2. Remove the floor mat from the vehicle, if equipped.

3. Gently pull outward on the front of the center console trim panel to release the clips (Figure 1).

**NOTE**: It is not necessary to fully remove the panel.

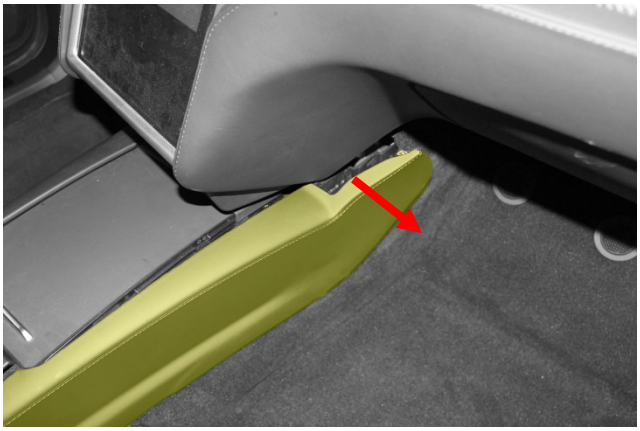

**Figure 1**

4. Remove the carpeted closeout panel (Figure 2).

**Figure 2**

**CAUTION:** Do not pull forcefully on any harnesses.

5. Use pliers or a similar tool to push in on the clip that secures the harness connector to the plastic bracket (Figure 3). Once the clip is released, gently pull the harness connector out from the inside of the bracket (Figure 4).

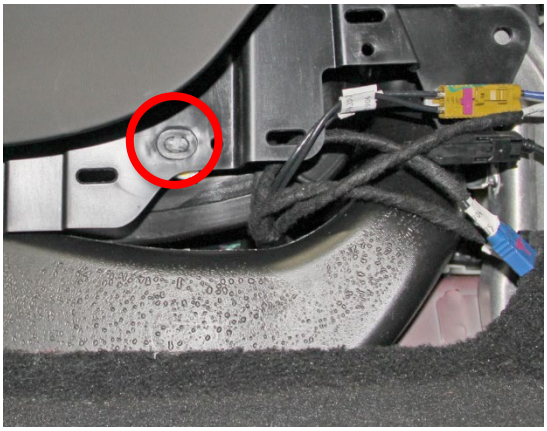

**Figure 3**

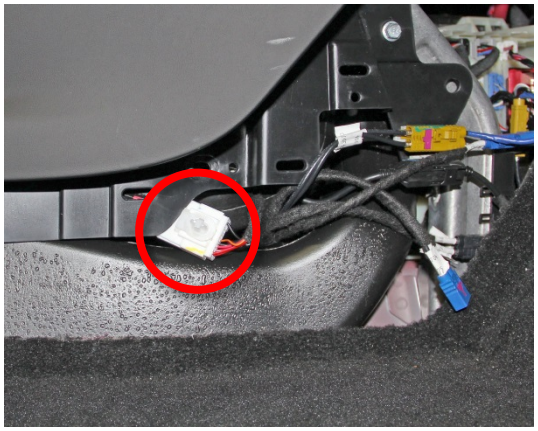

**Figure 4**

⚠ **CAUTION:** The connector contains other wires with similar colors. Use only the wires shown (Figure 7).

6. Use the red wire with a white stripe for 12V positive power. Use the black wire for chassis ground (Figure 5).

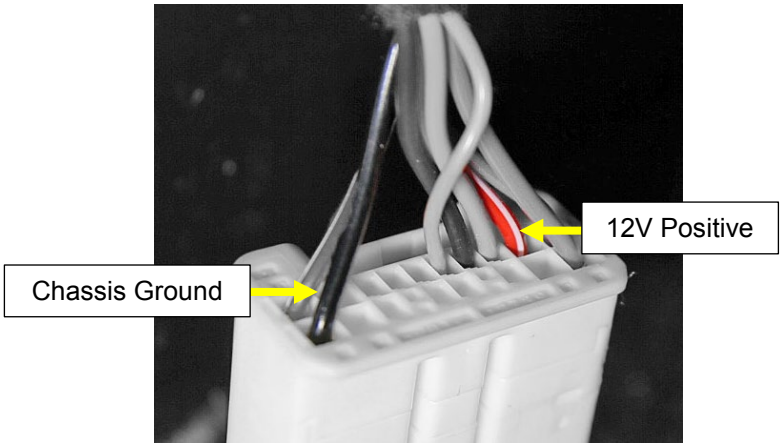


**Figure 5 (Appropriate wires highlighted)**

**NOTE**: The spare 12V power circuit is tied to the accessory (ACC) rail and is capable of up to 10 A of continuous load.

**NOTE**: Similar to most modern vehicles, the Model X has a negatively grounded 12V system.

**NOTE**: The spare 12V power circuit is protected by a 15A fuse, located beneath the LH carpeted closeout panel (Figure 6).

**Figure 6**

**LHD Model X:** Fuse F207 (Figure 7)

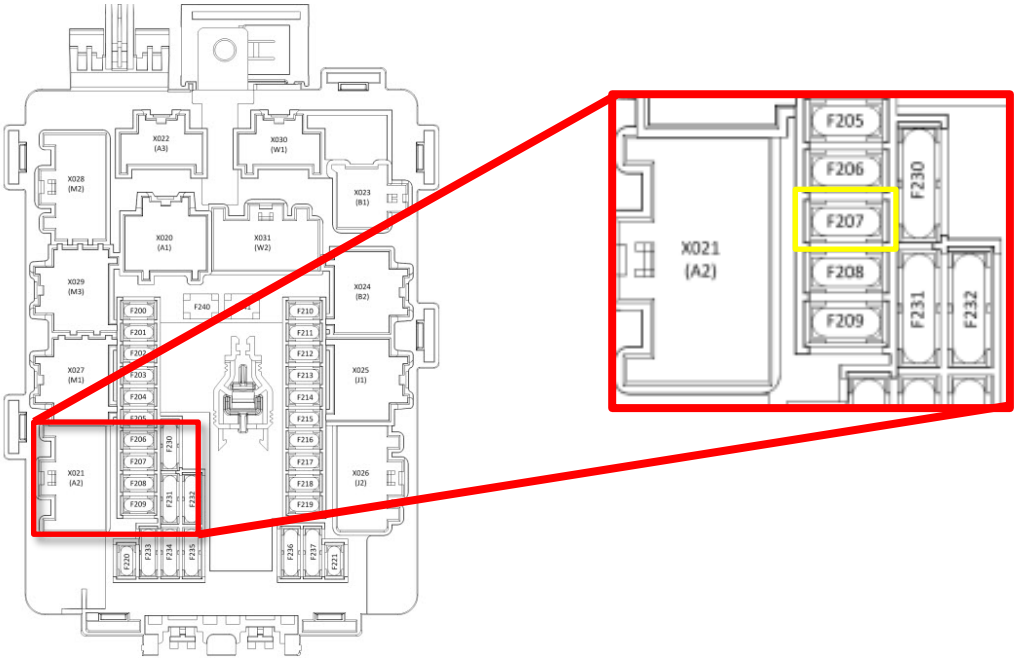


**Figure 7**

**RHD Model X:** Fuse F231 (Figure 8)

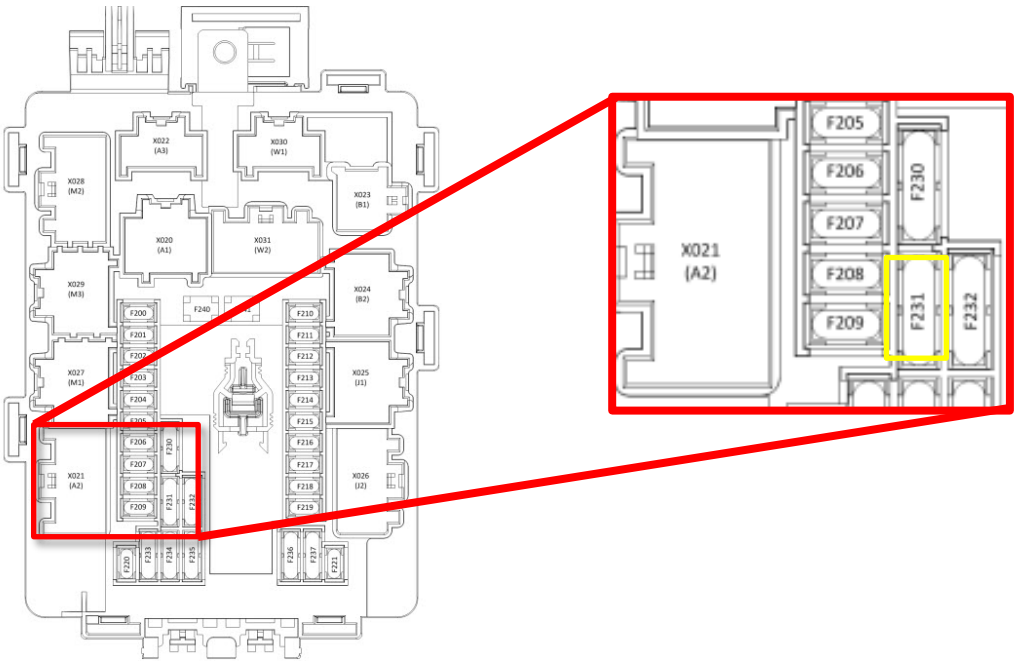


**Figure 8**

7. Refer to Service Manual procedure 17010200 for instructions on reconnecting 12V power.

⚠ **CAUTION:** Failure to properly reconnect 12V power can result in damage to the vehicle or the 12V battery. Tesla is not responsible for any damage to the vehicle or 12V battery.

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