

EV Quick Tech. Inspection (for test run)

It takes about 20 minutes

1 . Confirmation of high-voltage insulation resistance measurement (Confirm that there is no risk of electric leakage)

- **Confirmation details:**

Using a megaohm tester, measure each insulation resistance between HV "+" and GL, and between HV[-] and GL.

- **Required specifications:**

Each of the above resistance values must be $500\Omega/V$ or more.

2 . Confirmation of high-voltage contact safety (high-voltage exposed parts)

- **Confirmation details:**

Visually confirm that there is no possibility of human contact with exposed high voltage parts (connections, etc.)

- **Required specifications:**

Test probe must not touch

3 . Confirmation of shutdown behavior (that dynamic members can shut down in an emergency)

- **Confirmation details:**

(1) Turn on high voltage and confirm that TSAL flashes

(2) Press the shutdown switch next to the driver (either left or right)

(3) Confirm that TSAL turns off

(4) Measure the voltage between HV+ and HV- with a tester and confirm that it is less than 60V.

- **Required specifications:**

meet the above condition

4 . Confirmation of Insulation Monitoring Device (IMD)

- Connect a $250\Omega/V$ resistor between HV "+" and GL, and the IMD should operate (shutdown) within 30 seconds.

*It is necessary to have the team prepare resistance

5 . Visually confirmation:

- **Are there any dangerous parts in high-voltage wiring, motors, inverters, accumulators, etc.?**

- **Is a firewall installed to protect the driver?**