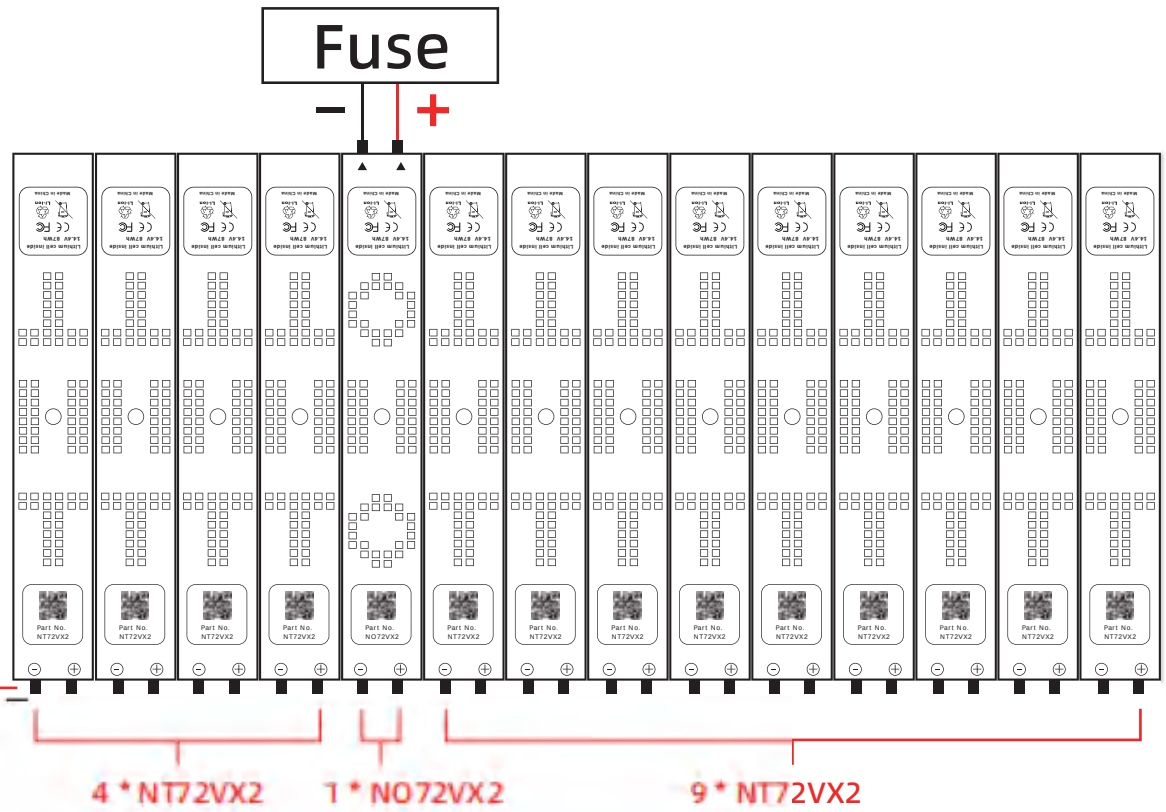
HEV Lithium battery installation manual

Prius(2 gen/3 gen)



NO72VX2 — Replace 2 * 7.2V module

- O: Switch off module connect to car fuse
- Module left down corner is Negative(-)

NT72VX2 — Replace 2 * 7.2V module

- T:General module
- Module left down corner is Negative(-)

Brand	Car type	7.2v module/set	14.4v module/set	NO72VX2	NT72VX2
Toyota	Prius2(2004-2009)	28	14	1	13
Toyota	Prius3(2010-2015)	28	14	1	13
Toyota	COROLLA/Altis	28	14	1	13
Toyota	LEVIN	28	14	1	13
Toyota	Harrier(2013-2019)	34	17	0	17
Toyota	RAV4	34	17	0	17
LEXUS	CT200H(2011-2017)	28	14	1	13
LEXUS	GS450H(2007-2012)	40	20	1	19
LEXUS	IS300H(2013-2018)	32	16	0	16
LEXUS	GS300H	32	16	1	15
LEXUS	NX300H(2015-2016)	34	17	0	17
NISSAN	Altima(2007-2011)	34	17	1	16

Warranty : 3 Years

HEV Lithium Battery Module & Pack Maintenance Guide:

Maintenance Time Point:

If the battery has been used in the car for more than 18 months, it is recommended to perform routine lithium battery pack maintenance.

Maintenance Steps

Step 1 Use the mini balance device to test each module.
If there is any imbalance (a voltage difference is > 0.03V between the 4 cells in the module), press the "balance" button on the mini balance device until the voltages of the 4 cells are reaching the same level. (As the mini balance device performs the balancing by discharging, it usually lowers the voltages of all 4 cells to the lowest point to achieve balance.)

Before Balancing

Balancing...

After Balancing

Cell voltage range
3.73V - 3.81V

Cells difference
0.03V

Step 2 After individual module is balanced, before installing in the car, overall balance of the pack must be performed.
Use the crocodile clips connecting the positive pole + of each module, negative pole - to negative pole, and connect all the modules in parallel one by one. Let it stand still for more than 10 hours.

10 hours

Connect all the modules in parallel one by one. Let it stand still for more than 10 hrs.

Step 3 After the pack keeps still for over 10 hours, use multi-meter to measure each module before installing into the car. The voltage difference between modules should be within 0.3 volts. Then it is OK to install in the car.

Module voltage range
15.00V - 15.25V

Modules difference
0.1V