

# oneTesla TS Parts List

Please inspect your kit for accuracy and report any problems to us at [nikola@onetesla.com](mailto:nikola@onetesla.com) within 10 days of receiving your kit.

## Main Parts Box

Driver PCB  
Shield PCB  
Resonator PCB  
Chassis front PCB  
Chassis left PCB  
Chassis back PCB  
Chassis right PCB  
Plastic secondary coil cap set  
Breakout point  
Power cord

### Qty Item

3	Capacitor, electrolytic 100uF
1	Capacitor, electrolytic 680uF
6	Capacitor, ceramic 1uF
1	Capacitor, mylar film .068uF
2	Capacitor, electrolytic 1000uF
1	Resistor, 10kΩ 1/4W
1	Resistor, 1kΩ 1/4W
1	Resistor, 3.3Ω 1/4W
1	Resistor, 1kΩ 5W, ceramic
2	Resistor, 100kΩ 1/2W
1	IEC clover jack
2	Solder terminals
1	Fuse, 10A
2	Fuse clips
2	3" AWG 14 wire
1	3" AWG 22 wire
1	Current transformer, 1:300
1	Gate drive transformer
1	Line transformer (110V/220V as appropriate)
2	14 pin socket
2	8 pin socket
6	Brass right-angle bracket

Qty	Item
6	Solder-in M3 brackets
2	10mm M3 screw
2	UCC37321 gate drive
1	7414 Hex Schmitt-trigger inverter
1	Dual D-type flip flop 7474
1	7805, 5V regulator
1	7815, 15V regulator
1	Bridge rectifier, 400V 6A
1	Bridge rectifier, 50V 1A
1	Optical receiver
1	1N4148 signal diode
2	IGBT, 120A 650V
2	Sil-pad
4	M6 nut
2	35mm M6 hex-head bolt
6	15mm M3 machine screw
15	M3 nut
10	25mm M3 standoff
4	6mm M3 standoff
26	6mm M3 screw

## Foam

Spun aluminum toroid  
Secondary coil  
Heat sink

## SD Interrupter

SD interrupter PCB with soldered SD card connector  
Plastic SD chassis set  
10 ft optical fiber

### Qty Item

1	Crystal, 16MHz
3	Capacitor, ceramic 1uF
2	Capacitor, ceramic 18pF
2	Resistor, 10kΩ 1/4W
2	Resistor, 100Ω 1/4W
3	Resistor, 1kΩ 1/4W
1	Resistor, 3.3kΩ 1/4W
1	Resistor, 220R 1/4W
1	Resistor, 100kΩ 1/4W
1	Header, 0.1" 16 position (male)
1	Header, 0.1" 16 position (female)
1	MIDI jack
2	CR123 battery holder
2	Slide switch
3	30mm tall tactile switch
1	LCD screen
1	ATMega328, programmed
1	74HC4050 IC, level shifter
1	4N25 optoisolator
1	6 pin socket
1	16 pin socket
1	28 pin socket
1	Regulator, 5V TO-92
1	Regulator, 3.3V TO-92
1	Optical transmitter
1	1N4148 signal diode
4	5mm standoff M-F
4	13mm standoff F-F
4	16mm M3 screw
4	6mm M3 screw