



Trutech Laser Corporation

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Ultra Pulse Venus

MAJOR SUB ASSEMBLIES

"C" POWER SUPPLY	4001-0222
TUBE	0167-491-00
RF AMP	0628-304-01
RF CABLE	0162-447-00
48 VDC POWER SUPPLY ASSY	0625-457-01
AC WIRING HARNESS	0625-918-01
ARTICULATING ARM FRU	0627-875-01
COUNTERWEIGHT FRU	0628-097-02
COUNTERWEIGHT KNOB	2401-0174
BASE PLATE, OPTIC, CO2	0624-477-01
BEAM BLOCK, IMAGING MIRROR	0624-532-01
BLADE, ATTENUATOR, FORKED	0624-978-01
BLADE, SAFETY SHUTTER	0624-474-01
BLADE, WINDOW, FORKED	0624-979-01
FITTING, ADAPTOR	2518-0423
FOOTSWITCH FRU	0628-036-01
ISOLATED SCANNER POWER SUPPLY ASSY	4001-0225
MOUNT, IMAGING MIRROR	0624-476-01
PICK-OFF MODULE (MTHD)	0639-645-01
MIRROR MT. SPRING	0622-476-01
BEAM DUMP	0622-620-01
56.6° DIFFRACTIVE PICKOFF	0624-466-02
PYRO ELECTRIC DETECTOR	0635-254-01
RED LASER DIODE (MTHD)	0625-463-01
MATCHED ASS'Y ADJ. SCREW/BUSHING	0624-928-03
MOUNT, DIODE	0625-106-01
OPTICS MOUNT, BRACKET	0625-347-01
LASER DIODE MODULE, 635nm	0626-477-01
RETAINER, OPTIC	0626-248-01
ROTARY SOLENOID	2204-0004
SAFETY DETECTOR CABLE	0627-172-01
SERVO DETECTOR CABLE	0627-171-01
SHUTTER DRIVE CABLE	0627-170-01
TUBING, TYGON V8 X 1/4	2521-0036
VERTICAL MOUNT, ATTENUATOR	0624-475-01
VERTICAL MOUNT, SHUTTER	0624-533-01
YELLOW HENE P/S	5701-0055
YELLOW HENE TUBE	0625-454-01
YELLOW HENE UPGRADE, FRU	0628-801-01
RED HENE TUBE	5701-0048
RED HENE P/S	4001-0154

ELECTRICAL COMPONENTS

BRIDGE RECTIFIER	0615-967-01
BUS PLATE DIODE	0615-089-01
BUS PLATE MOSFET	4801-0385
CIRCUIT BREAKER	5108-0126
DIODE, 1N5818	4802-0126
FUSE, 1A SLO-BLO F3 & F7	5110-0251
FUSE, 250 VAC/.4A F6	5110-0240
FUSE, 25A SLO-BLO F4 & F5	5110-0248
FUSE, 6.3A F8	5110-0184
ISOLATION TRANSFORMER	0624-414-01
RELAY, 220 VAC/25A CONN 1 & 2	4501-0487
RELAY, 250 VAC/10A K1	4501-0488
RELAY, SPST/NO SSR1	4501-0491
SPARK GAP CABLE	0627-835-01
SPEAKER	2208-0014
SS RELAY 120 VAC/10A	5601-0153
SS RELAY 240 VAC/40A	4501-0392
VOLTAGE CONVERSION FRU	0627-870-01
VPG EXTERNAL CABLE	0627-300-01
VPG SCANNING HANDPIECE	0631-022-01

SOFTWARE

Closed Shutter	0627-084-01
	0627-084-02
	0627-084-03
	0627-084-04
Open Shutter	0631-659-01
	0631-659-02
	0631-659-03
	0631-659-04
Computerized Pattern Generator	0627-080-01
PROGRAMMABLE LOGIC DEVICE (PAL)	
5000C 100VAC	0627-798-02
5000C 200VAC	0627-798-01
5000L 100VAC	0628-466-01
5000L 200VAC	0628-466-02
3000C 100VAC	0628-868-02
3000C 200VAC	0628-868-01
3000L 200VAC	0628-468-01
2500C 100/200VAC	0631-615-01

PRINTED CIRCUIT BOARDS

CONTROLLER PCB - Closed Shutter	0624-945-01
CONTROLLER PCB - Open Shutter	0641-456-01
FAN SPEED CONTROLLER PCB	2601-0127
MAST DISPLAY PCB	0624-828-01
OPTICS BNECH	0624-814-01
POWER DISTRIBUTION PCB	0624-848-01
SCANNER CONTROLLER PCB	0625-698-01
SPARK GAP PCB	0627-731-01

FRAME, MAST

ARM RETAINER, FIXED, UPPER	0626-267-01
CASTOR, DIRLOCK 250lbs.	1407-0171
CASTOR, TOTLOCK 250lbs.	1407-0170
DOOR LATCH KIT	0627-105-01
FRONT LOUVERED COVER (MTHD)	0626-254-01
ARM RETAINER, FIXED, LOWER	0626-265-01
ARM RETAINER, MOVEABLE, LOWER	0626-266-01
BRACKET, FRONT COVER, LEFT	0626-078-01
BRACKET, FRONT COVER, RIGHT	0626-079-01
BUSHING, CLAMP, ARM RETAINER	0625-219-01
FRONT COVER	0624-805-01
SHAFT, BOTTOM CLAMP, ARM RETAINER	0625-221-01
FTG, 1/8 CPLGHLF, MALE, PNL MTG	2519-0251
LEFT SIDE COVER (MTHD)	0626-256-01
LATCH, PNL	1406-0161
LEFT SIDE COVER	0624-807-02
MANUAL SHUTTER LEVER	0626-471-01
MAST OVERLAY	0625-482-01
PUSH HANDLE	0624-804-01
REAR COVER (MTHD)	0626-253-01
CORD WRAP	0619-566-01
COVER, REAR	0626-264-01
RIGHT SIDE COVER (MTHD)	0626-255-01
LATCH, PNL	1406-0161
RIGHTSIDE COVER	0624-806-02
PUSH HANDLE	0624-804-01
TOP COVER	0624-808-02
TOWER COVER ASSEMBLY (MTHD)	0626-257-01
BUSHING, CLAMP ARM, ARM RETAINER	0625-219-01
SHAFT, TOP CLAMP, ARM RETAINER	0625-220-01
TOWER CAP PART	0624-800-01
TOWER CONNECTOR BLOCK	0625-481-01
TOWER TOP COVER	0624-799-01
TOWER, LEFT COVER	0624-797-01
TOWER, RIGHT COVER	0624-796-01
WINDOW, MAST DISPLAY	0624-798-01
LOWER ARM CLAMP ASSY	0627-126-01
UPPER ARM CLAMP ASSY	0627-058-01
DISPLAY CABLE ASSY	0636-480-01

COOLING SYSTEM

HEAT EXCHANGER ASSEMBLY (MTHD)	0624-997-01
CLAMP, CABLE 5/16 ID	6007-0297
CONN PLUG, MOLEX	2104-0475
FAN GUARD	2601-0106
FAN, BB, 560CFM 115 VAC 50/60 Hz	2601-0126
HEAT EXCHANGER	0624-816-01
HEAT SHRINK, 1/4"	3102-0094

NUT KEP STL CAD #8-32	7969-0800
RF EXCITER MANIFOLD	0626-991-01
SCREW FLT SCKT #8-32 1/2 SST	7204-0808
SCREW SHC 8-32 1/2 SST	7202-0808
TERM, CRIMP, MALE .062 DIA.	2111-0123
WASH FLT CAD #8-32 .375 OD	7890-0800
WASH SPLIT LOCK #8 32OD	7896-0800
WHITE WIRE, 18AWG, PVC	6025-1899
TEMP SENSOR (METHOD)	0626-126-01
ADHESIVE CMPD HEAT SINK	1605-0038
ADHESIVE GE RTV-108	1605-0026
BEARING, TEMP-SENSE	0614-828-01
CABLE BELDEN 8442	6004-0072
CONN RECPT MOLEX	2104-0416
CONTACT CRIMP SOCKET 18-24 AWG	2111-0083
FITTING ADAPTOR	2518-0423
FITTING HOSE, 5/8 BARB BEADPIPE	2518-0412
FITTING PIPE HEX MALE NIPPLE	2159-0146
FTG, 1/2 HSEBARB, TO 3/8 FPT BRAS	2518-0568
FTG, ADPTR, HOSE 3/8 MPT 3/8 T BR	2518-0487
FTG, HFC QCK DISC, 3/8 BRB BULKHD	2519-0250
MANIFOLD, PRESSURE SWITCH	0624-852-01
NUT, RET, TEMP-SENSE	0614-827-01
PLUG PIPE 1/4" NPT HEX HD	2520-0131
SKT, XSTOR, 3 PIN	4810-0263
SW, PRESS, SET @7PSIG, 1/8NPT BR	5106-0087
TEMP TRANSDUCER ±1C	4803-0743
WSR, SHLDR .75OD X .174ID	2805-0203
WATER TANK/HOSE (METHOD)	0624-998-01
ADHESIVE GE RTV-108	1605-0026
BRACKET, WATER TANK	0003-2315
FITTING, HEX PLUG 3/4 NPT	2520-0181
FITTING, PUMP DISCHARGE	0624-819-01
FTG, ELB, BARB, 5/8H X 1/2, MPT	2516-0274
HOSE CLAMP	2522-0005
HOSE CLAMP	2522-0132
HOSE CLAMP 1 1/2"	2522-0009
HOSE CLAMP, 4 1/8"	2522-0149
HOSE NYLON, 3/8 ID	2521-0025
HOSE, RUBBER 5/8" ID RED	2521-0113
O-RING, SILICONE, 1.234 ID X .139W	2503-2147
PUMP, CENTRIFUGAL, 230V 50/60 Hz	3501-0150
RING 1/4 10 AWG	2114-0138
SCREW, 1/4-20 X 1/2, HEX HD	7011-1408
TUBING SHRINK 3/8 BLK ADH COAT	3102-0063
TUBING, PLASTIC	2521-0138
TUBING, TYGON	2521-0036
V-BLOCK SUPPORT, WATER TANK	0625-044-01
VIBRATION MOUNT	1405-0153
WASH SPLIT LOCK 1/4-20 OD	7896-1400
WATER TANK	0624-817-01

OPTICS

CO2 NEAR MIRROR ASSEMBLY (MTHD)	0625-461-01
MATCHED ASS'Y ADJ. SCREW/BUSHING	0624-928-03
MIRROR, .87DIA. X 3mm	0614-994-01
MIRROR, IMAGING (MG 01 LPK 057)	0624-468-01
MIRROR, IMAGING (MG 01 LPK 062)	0624-468-02
OPTIC MOUNT, COMMON	0625-101-01
OPTIC, ATTENUATOR 20% TRANS.	0626-224-01
OPTIC, ATTENUATOR, CO2	0624-467-01
SPRING, MIRROR MT.	0622-476-01
WINDOW CO2	0624-962-01
FAR MIRROR ASSEMBLY (MTHD)	0625-469-01
BASE, CORRECTING MIRROR MOUNT	0626-468-01
CYLINDRICAL MIRROR	0624-602-01
MOUNT, CORRECTING MIRROR	0626-469-01
SPRING, MIRROR MOUNT	0626-476-01
FIBER INPUT ATTENUATOR (MTHD)	0625-464-01
ATTENUATOR ADJ. ARM	0625-340-01
ATTENUATOR ADJ. MASK	0625-331-01
ATTENUATOR STANDOFF	0625-333-01
BALL PLUNGER	2512-0340
FIBER FOCUS LENSE HOLDER	0625-342-01
FIBER FOCUS LENSE RETAINER	0625-437-01
KNOB, ATTENUATOR	0625-341-01
LENSE	3803-0277
PLGR, BALL, 8-32 X .344 SSW/NYLNBL	2512-0405
SMA MOUNT	0625-108-01
SMA STOP	0625-344-01
VARIABLE ATTENUATOR	0625-013-01
FIBER OUTPUT ASSEMBLY (MTHD)	0625-465-01
BALL, PREC.	2507-0323
BRACKET, MOUNTING FIBER OUTPUT	0626-437-01
LENS, ACHROMATIC, 50mm F.L.	3803-0278
MOUNT, LENS CELL	0626-438-01
MOUNT, LENS THREADED	0626-453-01
NUT, THREADED LENS MOUNT	0625-987-01
SMA MOUNT	0625-108-01
SMA STOP	0625-344-01
SPRING, MIRROR MT.	0622-476-01
HENE COLLIMATOR/COMBINER (MTHD)	0625-462-01
COLLIMATING MENISCUS	0615-520-01
MIRROR, .87 DIA. X 3mm	0614-994-01
MIRROR, COMBINING	0615-560-01
MOUNT, BODY COMBINER	0625-104-01
MOUNT, RELAY	0625-401-01
MTCHD ASS'Y ADJ. SCREW/BUSHING	0624-928-03
OPTIC MOUNT, COMMON	0625-101-01
OPTICS MOUNT, BRACKET	0625-347-01
SPRING, MIRROR MOUNT	0622-476-01
YELLOW HENE HR ASS'Y.	0625-455-01

PANEL CONTROLS, LAMPS, LEDS

EMERGENCY OFF SWITCH

5102-0114

KEY SWITCH

5107-0172

LCD COLOR DISPLAY

0626-456-01

RED LENSE CAP

5102-0123

LCD COLOR DISPLAY

0638-715-01