



REPLACEMENT PARTS, Models 815, 818 and 825

Revised October 2004

Laser Arc Lamps and Lamp Flow Tubes

<u>Part No.</u>	<u>Description</u>
* 120066	Laser Arc Lamp, 5.1 kW, LKA-4030
* 100088-4411Q	Lamp Flow Tube

MODULE LEVEL PARTS for OPTICAL RESONATOR

<u>Part No.</u>	<u>Description</u>
010086-002	YAG Rod Assembly, Model 815
010086-002	YAG Rod Assembly, Model 818
010086-002	YAG Rod Assembly, Model 825
+ R010086-002	YAG Rod Refurbish, Mount and Laser Test
# 100088-	Rod Flow Tube, UV Filter Glass
010209-001	Elliptical Cavity Set, Gold
010229-001	Elliptical Cavity Set, Ceramic
010050-002	Lamp Contact Assy, Positive
010050-003	Lamp Contact Assy, Negative
# 120007	Rear (HR) Mirror
# 120008	Front Mirror, 90% R (CW models)
# 120052	Front Mirror, 80% R (Q-switched models)
# 120175	Front Mirror, 85% R (Q-switched models)
# 120070	Rear Mirror, 1.32 μm Wavelength
# 120071	Front Mirror, 1.32 μm Wavelength
201503	Crescent Washer (Wave Washer)
* 120011	Lamp Contact Band (2 required)
# 120065-002	Q-Switch, 27.12 MHz. Laser Tested
# 120084	O-Ring Kit
# 120009-006	O-Ring, Head Block
200713	HeNe Laser Head
200710	HeNe Laser Power Supply
120028	Shutter Solenoid
100035	Pinhole Aperture (Spatial Filter). Standard sizes: 1.0, 1.2, 1.3, 1.4, 1.5, 1.6, 1.8, 2.0, 2.25, 2.5, 3.0 mm

MODULE LEVEL PARTS for Q-SWITCH SUPPLY

<u>Part No.</u>	<u>Description</u>
010343-001	Q-Switch Supply, LQD-27D, no meter. With 020071-002 RF Control PCB. Replaces: P/N 010213-002 Q-switch Supply, LQD-127 (originally shipped with 020046-002 RF Control PCB.
010343-002	Q-Switch Supply, LQD-27D, no meter. With 020071-003 RF Control PCB. Replaces: P/N 010213-001 Q-switch Supply, LQD-127 (originally shipped with 020046-001 RF Control PCB. P/N 010213-003 Q-switch Supply, LQD-127 (originally shipped with 020046-003 RF Control PCB.
010344-002	Q-Switch Supply, LQD-27D1, WITH meter. With 020071-003 RF Control PCB. Replaces: P/N 010064 Q-switch Supply, LQD-27B
020046-002	RF Control PCB (used with 010213-002)
020046-003	RF Control PCB (used with 010213-001 and 010213-003) Replaces 020046-001
020071-002	RF Control PCB (used with P/N: 010343-001)
020071-003	RF Control PCB (used with P/N: 010343-002, 010344-003)
# 120048	Amplifier Module, 27.12 MHz

MODULE LEVEL PARTS for LAMP POWER SUPPLY

<u>Part No.</u>	<u>Description</u>
010026	Power Block Assy, Non-CE
010311	Trigger Box Assembly, CE lasers
010312	Power Block Assy, CE
020040-001	Power Supply Heat Sink Assy, ± 15 vdc, 3 Amp
020040-002	Power Supply Heat Sink Assy, ± 15 vdc, 5 Amp
020040-003	Power Supply Heat Sink Assy, ± 24 vdc, 5 Amp
020040-004	Power Supply Heat Sink Assy, ± 28 vdc
020080-001	External Laser System Control PCB Assy (used in lasers manufactured after 1996). For digital input signal.
020080-002	External Laser System Control PCB Assy (used in lasers manufactured after 1996). For analog input signal.
020080-003	External Laser Power Control PCB Assy (used in lasers manufactured after 1996). For digital input signal. Replaces: 020070-001, 020061-D and 02000039-D
020080-004	External Laser Power Control PCB Assy (used in lasers manufactured after 1996). For analog input signal. Replaces: 020070-002

<u>Part No.</u>	<u>Description</u>
010195-001	External Current Control Kit. For digital input signal.
010195-002	External Current Control Kit. For analog input signal.
010195-003	External Current Control Kit, HPM. For digital input signal.
010195-004	External Current Control Kit, HPM. For analog input signal.
020042-002	Power Meter Calibration PCB Assy
020043	Interlock/Water Quality PCB Assy (used in lasers manufactured before 1996)
020091-003	Interlock/Water Quality PCB Assy. Replaces: 020060-002
020044	High Voltage PCB Assy
020045-001	SCR Control PCB Assy
020051-002	Power Supply PCB Assy, ± 12 vdc, 1 Amp
020081	Power Supply PCB Assy, ± 12 vdc, 1 Amp
020052-001	Line Filter PCB Assy, 220 VAC
020052-002	Line Filter PCB Assy, 480 VAC
020069-001	Line Filter PCB Assy, CE, left side
020069-002	Line Filter PCB Assy, CE, right side
020072-001	LED Front Control Panel PCB Assembly
120129	Line Filter, CE (and early 818)
010311-001	Trigger Box Assy, CE
120014	Diode Block
120018	SCR/SCR Block
120094	5-Wire Conversion Kit for 380-VAC, LCY-380
120134-001	220-VAC Conversion Kit (380-V to 220-V), LDY-220
120128	Transformer, $\nabla 15$ vdc
120020	Indicator LED, Red, 14 V
120021	Amber Indicator, 28 V
120022-001	Indicator Lamp, for switch (pkg 5)
120023	Indicator LED, Red, 5V
120230	Key Switch
120231	Power ON/OFF Switch
120232	Shutter OPEN/CLOSE Switch
120394	PUMP START Switch Upgrade Kit

MODULE LEVEL PARTS for COOLING SYSTEM, and MISC. SPARES and KITS

<u>Part No.</u>	<u>Description</u>
010040	Flow Switch Assy
010061	DI Water Resistivity Sensor Assy
010062-001	DI Water Over-Temp Sensor Assembly
010095	DI Water Temperature Sensor Assembly
120380	DI Water Sight Tube Assembly
120027-001	Replacement Lamp Kit
120027-002	Replacement Lamp Kit

<u>Part No.</u>	<u>Description</u>
120031	DI Water Flow Valve
120032	DI Water Filter Cartridge, 10"
120037	Pump Repair Kit. Includes: Impeller, Gasket, Seal and Seat
120351	Pump Housing Assy (Volute). With fittings.
120361-003	Water Pump Assembly, 3-phase, ¾-HP (8100). With fittings.
120116	Low Water Sensor
120131	Consumable Parts Kit, LCP-818
120130-001	General Maintenance Kit, LGM-818, Q-sw
120130-002	General Maintenance Kit, LGM-818, CW
120388	Laser Operation Manual, LOM-800. Current Revision
010187-001	Autocollimator Assembly, 115 V
010187-002	Autocollimator Assembly, 220 V

OTHER SPARE PARTS (Section 8.0, Operation Manual)

<u>Part No.</u>	<u>Description</u>
100592	Head Block Base, 818
100586	Lamp Power Connector
100593	Head Cover
100581-001	Lamp Contact Base, Positive
100581-002	Lamp Contact Base, Negative
100580-001	Lamp Contact Block, Positive
100580-002	Lamp Contact Block, Negative
100147	Captive Screw, Lamp Contact
100722-002	Rod Holder Support
200561	Water Fitting
120009-001-04	O-Ring, Package of 4
120009-004-04	O-Ring, Package of 4
120009-002-08	O-Ring, Package of 8
010427-xxx	SHG Temperature Controller
010648-xxx	SHG Assembly, Linear Sealed
010293-001	Mirror Mount Assy
010295	Q-switch Mount Assy (without Q-switch)
120069	Isolation Transformer, K7, Pre-wired

- * Routine periodic replacement required
- # Occasional replacement may be necessary
- + Pending Lee Laser evaluation

Note: To find specific part numbers for your laser, refer to Sections 1, 7 and 8 of your Operation Manual.