

Supplies for Inorganic Analysis



LECO
EMPOWERING RESULTS

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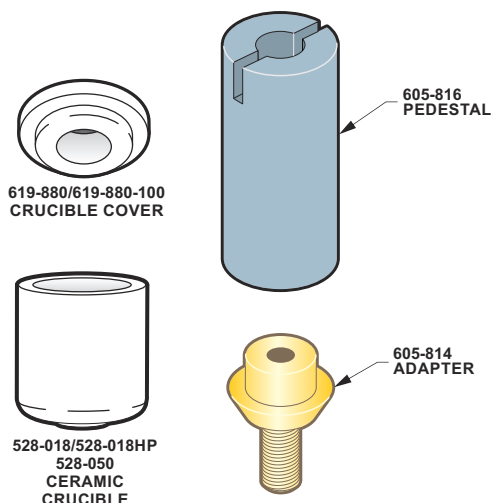
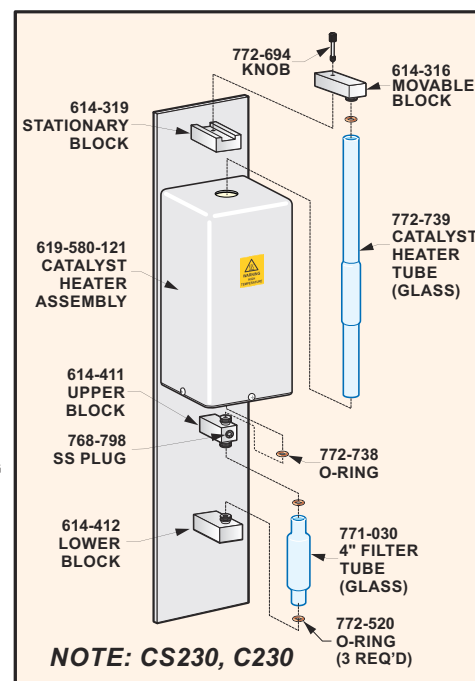
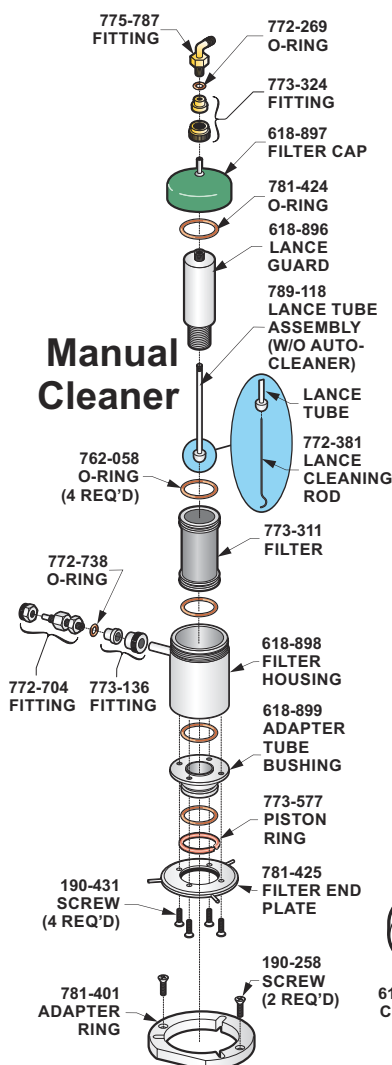
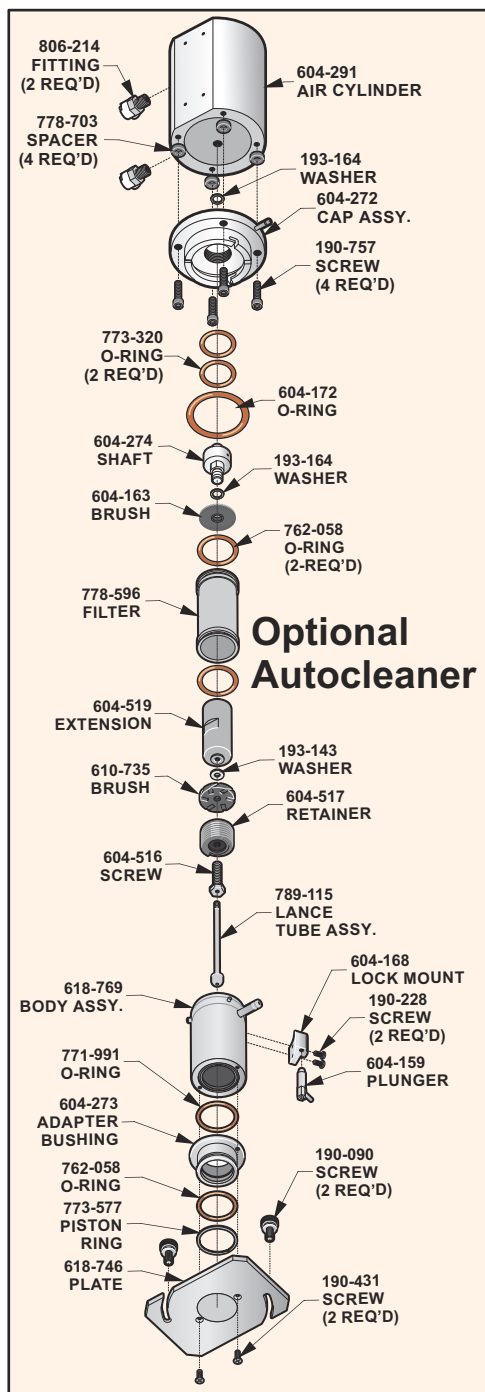
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REFERENCE MATERIALS AND STANDARDS

Current part numbers and values for LECO Reference Materials and Standards (209-296) can be found at <https://www.leco.com/consumables>

LECO Consumables & Spare Parts



COMBUSTION SUPPLIES

528-018	Ceramic Crucible 1000/box
528-018HP	0 Sulfur Blank 1000/box
528-050	Ceramic Crucible 500/box, bags of 50
619-880	Crucible Cover 1000/Box
619-880-100	Crucible Cover 100/Box
772-905	Combustion Tube (Quartz)
772-906	Combustion Tube Ring
601-920	O-ring (Bottom of Combustion Tube)
762-058	O-ring (Top of Combustion Tube)
501-082	Wire Cleaning Brush
789-118	Lance Tube Assembly (w/o Autocleaner)
789-115	Lance Tube Assembly (w/Autocleaner)

ACCELERATORS

502-492	Copper Accelerator HP (0.44 lb/200 g)
501-263	Cu Chip Accelerator (-10 +30 mesh) (3 lb/1.36 kg)
501-077	Fe Chip (2 lb/0.9 kg)
763-467	Fe Chip (25 lb/11.35 kg)
501-264	Cu Chip (0.5 lb/227 g)
502-231	HP Fe (1 lb/0.5 kg)
763-026	LECOCEL® (30 lb/13.6 kg)
763-266	LECOCEL® (5 lb/ 2.27 kg)
501-008	LECOCEL® II (5 lb/2.27 kg)
502-173	LECOCEL® II HP (1.7 lb/0.75 kg)
502-297	LECOCEL® II (30 lb/13.6 kg)
763-027	LECOCEL® III (30 lb/13.6 kg)
763-263	LECOCEL® III (5 lb/2.27 kg)

CATALYSTS AND REAGENTS

501-171-HAZ	Anhydron (1 lb/454 g)
764-098	Cellulose (1 lb/454 g)

501-081	Glass Wool (1 lb/454 g)
502-174-HAZ	Lecosorb (500 g–20/30 Mesh)
501-587	Platinum/Silica (15 g)
502-177	Quartz Wool (50 g)

REAGENT TUBES

601-390	Anhydron Tube (Glass)
772-739	Catalyst Heater Tube (Glass)
771-030	Cellulose Filter Tube (Glass)
605-700-087	O-ring Pack
771-373	Reagent Tube—Measure Flow (Glass)

ACCESSORIES

761-929	Crucible Tong
789-149	EMI Gasket
503-032	Glass Scoop
773-579	Metal Accelerator Scoop, SST
760-138	Sample Tweezers, Straight
775-306	Secondary Filter, 10 micron
501-241	Vacuum Grease

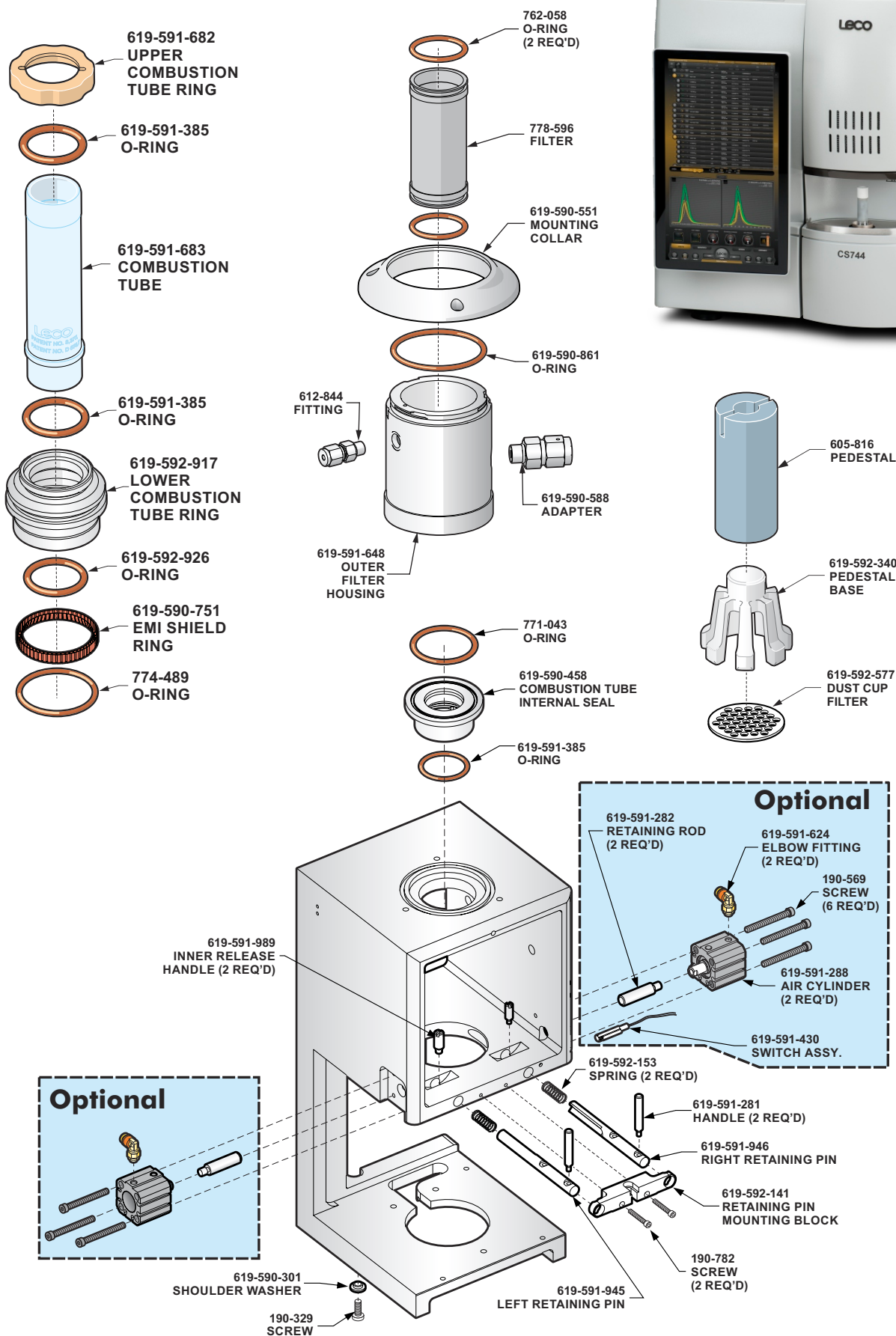
MAINTENANCE PARTS KITS

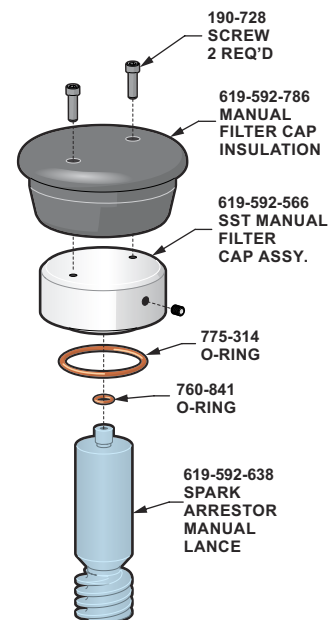
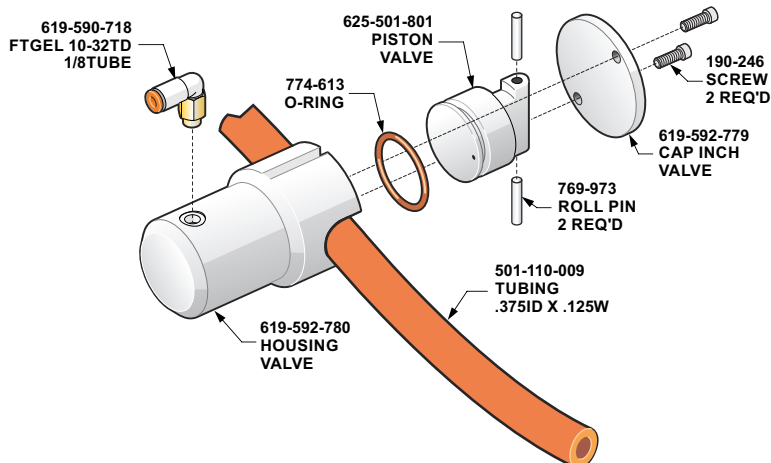
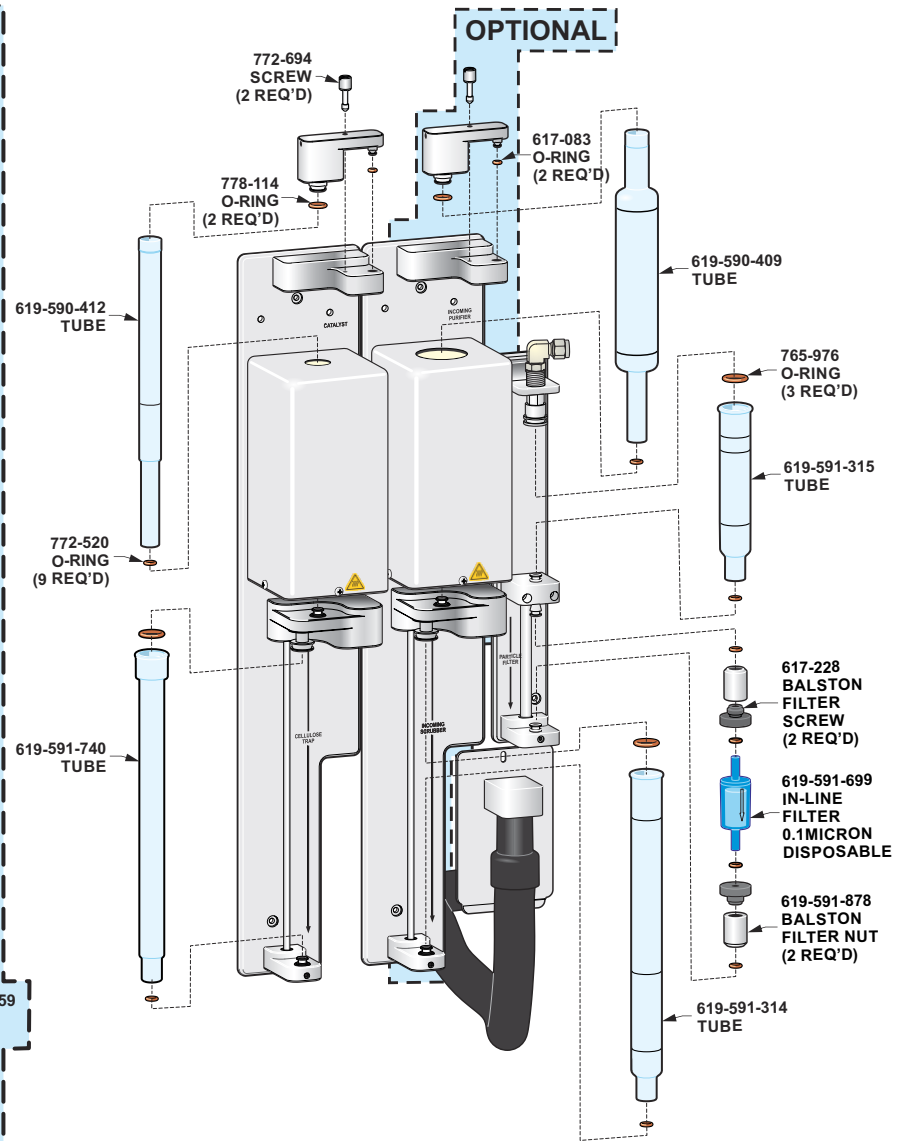
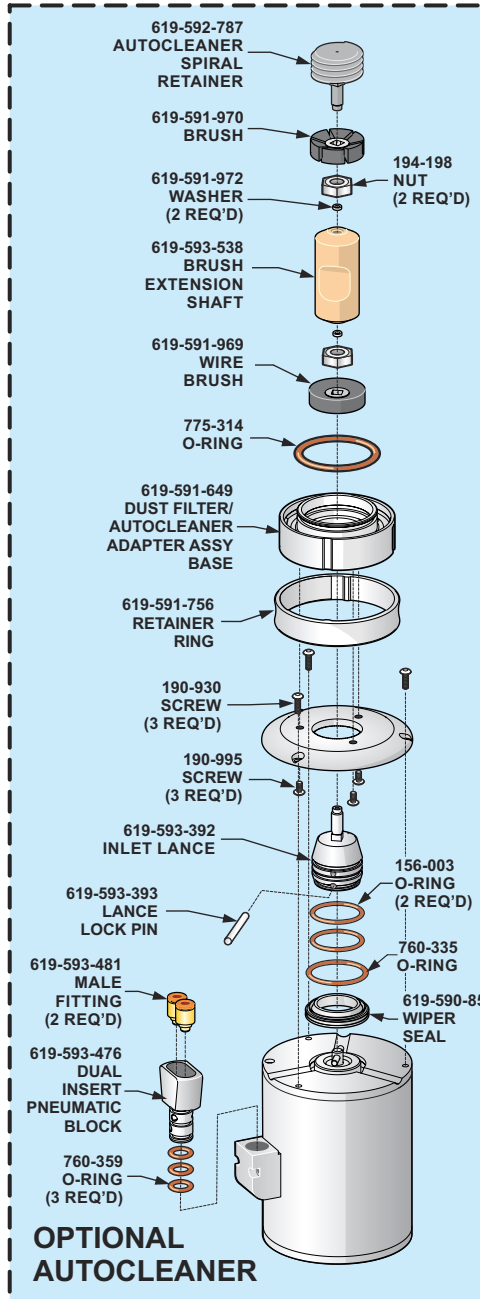
104-144	C/CS/S230 Maintenance Parts Kit
104-192	C/CS/S230 w/Manual Cleaner Maintenance Parts Kit
104-175	WC230 Maintenance Parts Kit

Please Note: Quartz Tubes are typically utilized for higher temperature applications (i.e. catalyst tubes). Glass reagent/filter tubes are designed for lower temperature applications. Glass tubes should not be used in place of quartz tubes.

REFERENCE MATERIALS AND STANDARDS

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COMBUSTION SUPPLIES

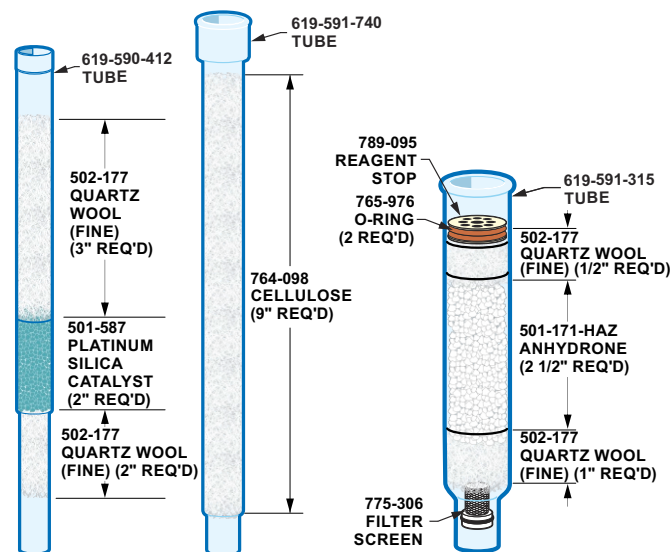
528-018	Ceramic Crucible 1000/box
528-018HP	High Purity Ceramic Crucibles 1000/box
528-050	Ceramic Crucible 500/box, bags of 50
619-880	Ceramic Crucible Cover with Hole, 1000/box
619-880-100	Ceramic Crucible Cover with Hole, 100/box
619-591-683	Combustion Tube (Quartz)
778-596	Dust Filter (SST Filter)
619-593-443	Lance Cleaning Wire
619-591-970	Lower Cleaning Brush (Reworked Brush)
762-058	O-ring, Dust Filter
605-816	Silicon Nitride Pedestal
782-880	Filter Vacuum
782-345	Filter HEPA Vacuum
619-593-542	Vacuum Hose
501-082	Wire Cleaning Brush

ACCELERATORS

502-492	Copper Accelerator HP (0.44 lb/200 g)
501-263	Copper Metal Accelerator 1.36 kg (3 lb) bottle
501-640	Copper Metal Accelerator 9 kg (20 lb) container
501-264	Copper Metal Accelerator, 227 g (0.5 lb) bottle
502-231	High Purity Iron Accelerator 454 g (1 lb) bottle
501-077	Iron Chip Accelerator 0.9 kg (2 lb) bottle
763-026	LECOCEL® 13.6 kg (30 lb) container
763-266	LECOCEL® 2.27 kg (5 lb) bottle
502-297	LECOCEL® II (30 lb/13.6 kg)
501-008	LECOCEL® II 2.27 kg (5 lb) bottle
502-173	LECOCEL® II HP 750 g (1.7 lb) bottle
763-263	LECOCEL® III 2.27 kg (5 lb) bottle
763-027	LECOCEL® III 13.6 kg (30 lb) container

CATALYSTS AND REAGENTS

501-171-HAZ	Anhydrene 454 g (1 lb) bottle
764-098	Cellulose 454 g (1 lb) package
502-174-HAZ	Lecosorb 500 g bottle, 20–30 mesh
502-176-HAZ	Lecosorb 500 g bottle, 8–20 mesh
501-587	Platinum/Silica 15 g bottle
502-177	Quartz Wool 50 g package
501-170	Rare Earth Copper Oxide 50 g bottle

**REAGENT TUBES**

619-590-412	Quartz Tube, requires one (1) 778-114 O-ring and one (1) 772-520 O-ring for sealing
619-590-409	Quartz Tube, requires one (1) 778-114 O-ring and one (1) 772-520 O-ring for sealing
619-591-740	Glass Tube, requires one (1) 765-976 O-ring and one (1) 772-520 O-ring for sealing
619-591-314	Glass Tube, requires one (1) 765-976 O-ring and one (1) 772-520 O-ring for sealing
619-591-315	Glass Tube, requires one (2) 772-520 O-ring and one (1) 765-976 O-ring for sealing

OPERATION ACCESSORIES

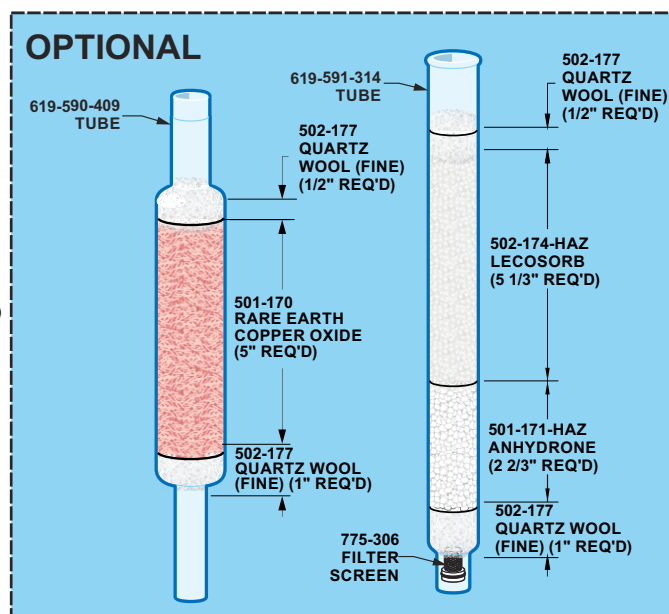
619-591-699	Balston Filter
761-929	Crucible Tongs
619-590-751	EMI Gasket
625-711-260	Screen/Doser Removal Tool
775-306	Secondary Filter, 10 micron
503-032	Glass Accelerator Scoop
773-579	Metal Accelerator Scoop
764-078	One gram Weight
760-138	Sample Tweezers
501-241	Vacuum Grease
502-023	Tube Funnel
762-515	O-Ring Removal Tool
502-237	Cleaning Wipes
619-592-597	Dust Removal Tool
614-704	Cabinet Air Filter (6.5 x 7.0 x 0.47 AL)

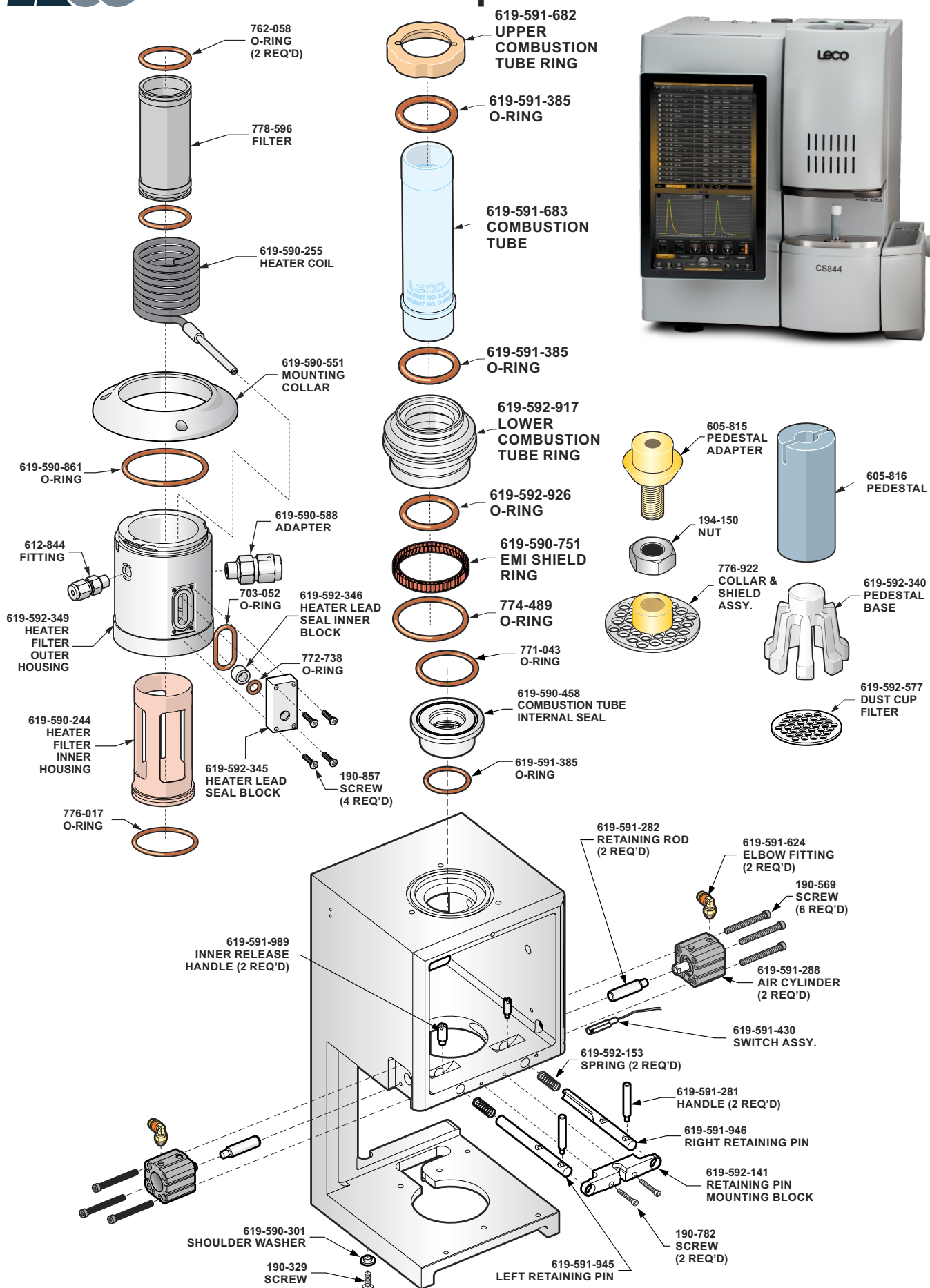
MAINTENANCE PARTS KITS

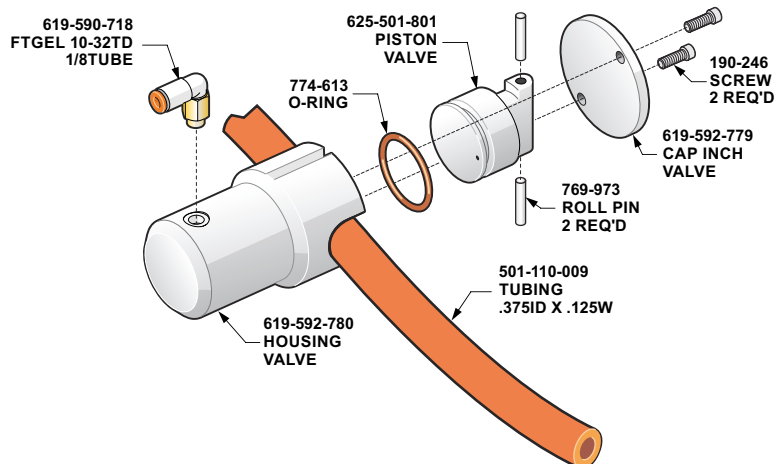
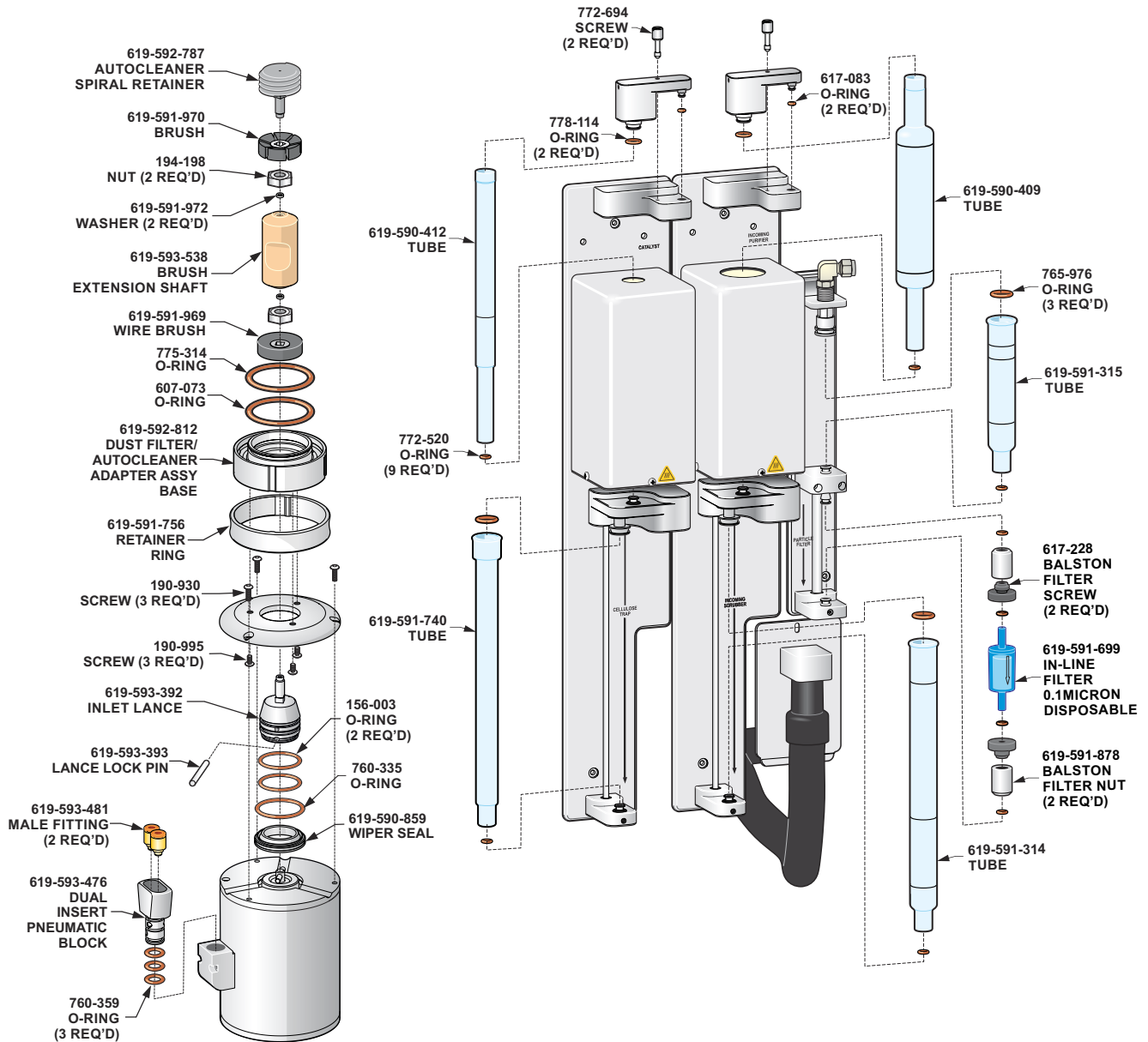
104-156	C/CS744 Manual Clean w/Perform MPK
104-157	C/CS744 Autoclean w/Perform MPK
104-158	C/CS744 Manual Clean w/o Perform MPK
104-159	C/CS744 Autoclean w/o Perform MPK
104-160	S744 w/Perform MPK
104-161	S744 Manual Clean w/o Perform MPK

REFERENCE MATERIALS AND STANDARDS

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COMBUSTION SUPPLIES

528-018	Ceramic Crucible 1000/box
528-018HP	High Purity Ceramic Crucibles 1000/box
528-050	Ceramic Crucible 500/box, bags of 50
619-880	Ceramic Crucible Cover with Hole, 1000/box
619-880-100	Ceramic Crucible Cover with Hole, 100/box
619-591-683	Combustion Tube (Quartz)
778-596	Dust Filter (SST Filter)
619-593-443	Lance Cleaning Wire
619-591-970	Lower Cleaning Brush (Reworked Brush)
762-058	O-ring, Dust Filter
605-816	Silicon Nitride Pedestal
619-591-622	Vacuum Cleaner Filter; Disposable (Round Style)
619-591-454	Vacuum Cloth Bag Filter (Round Style)
619-591-456	Vacuum HEPA Filter (Round Style)
782-880	Filter Vacuum (Square Style)
782-345	Filter HEPA Vacuum (Square Style)
619-593-542	Vacuum Hose (Square Style)
501-082	Wire Cleaning Brush

ACCELERATORS

502-492	Copper Accelerator HP (0.44 lb/200 g)
501-263	Copper Metal Accelerator 1.36 kg (3 lb) bottle
501-640	Copper Metal Accelerator 9 kg (20 lb) container
501-264	Copper Metal Accelerator, 227 g (0.5 lb) bottle
502-231	High Purity Iron Accelerator 454 g (1 lb) bottle
501-077	Iron Chip Accelerator 0.9 kg (2 lb) bottle
763-026	LECOCEL® 13.6 kg (30 lb) container
763-266	LECOCEL® 2.27 kg (5 lb) bottle
502-297	LECOCEL® II (30 lb/13.6 kg)
501-008	LECOCEL® II 2.27 kg (5 lb) bottle
502-173	LECOCEL® II HP 750 g (1.7 lb) bottle
763-263	LECOCEL® III 2.27 kg (5 lb) bottle
763-027	LECOCEL® III 13.6 kg (30 lb) container

CATALYSTS AND REAGENTS

501-171-HAZ	Anhydron 454 g (1 lb) bottle
764-098	Cellulose 454 g (1 lb) package
502-174-HAZ	Lecosorb 500 g bottle, 20–30 mesh
502-176-HAZ	Lecosorb 500 g bottle, 8–20 mesh
501-587	Platinum/Silica 15 g bottle
502-177	Quartz Wool 50 g package
501-170	Rare Earth Copper Oxide 50 g bottle

REAGENT TUBES

619-590-412	Quartz Tube, requires one (1) 778-114 O-ring and one (1) 772-520 O-ring for sealing
619-590-409	Quartz Tube, requires one (1) 778-114 O-ring and one (1) 772-520 O-ring for sealing
619-591-740	Glass Tube, requires one (1) 765-976 O-ring and one (1) 772-520 O-ring for sealing
619-591-314	Glass Tube, requires one (1) 765-976 O-ring and one (1) 772-520 O-ring for sealing
619-591-315	Glass Tube, requires one (2) 772-520 O-ring and one (1) 765-976 O-ring for sealing

OPERATION ACCESSORIES

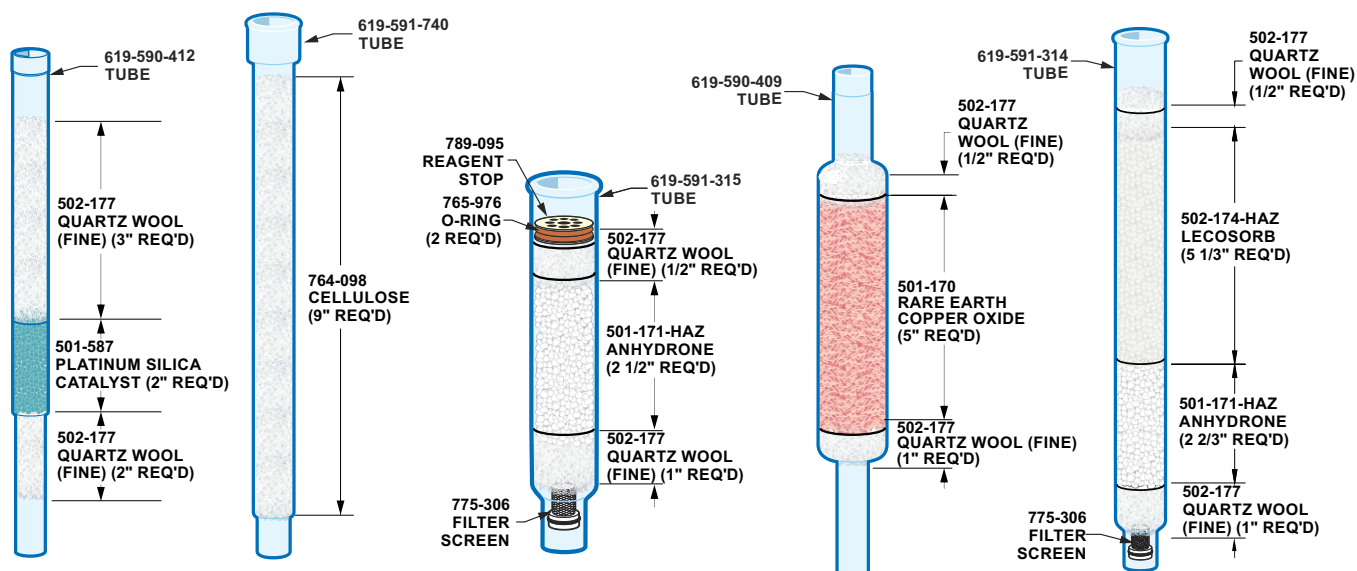
619-591-699	Balston Filter
761-929	Crucible Tongs
619-590-751	EMI Gasket
625-711-260	Screen/Doser Removal Tool
775-306	Secondary Filter, 10 micron
503-032	Glass Accelerator Scoop
773-579	Metal Accelerator Scoop
764-078	One gram Weight
760-138	Sample Tweezers
501-241	Vacuum Grease
502-023	Tube Funnel
762-515	O-Ring Removal Tool
502-237	Cleaning Wipes
619-592-597	Dust Removal Tool
614-704	Cabinet Air Filter (6.5 x 7.0 x 0.47 AL)

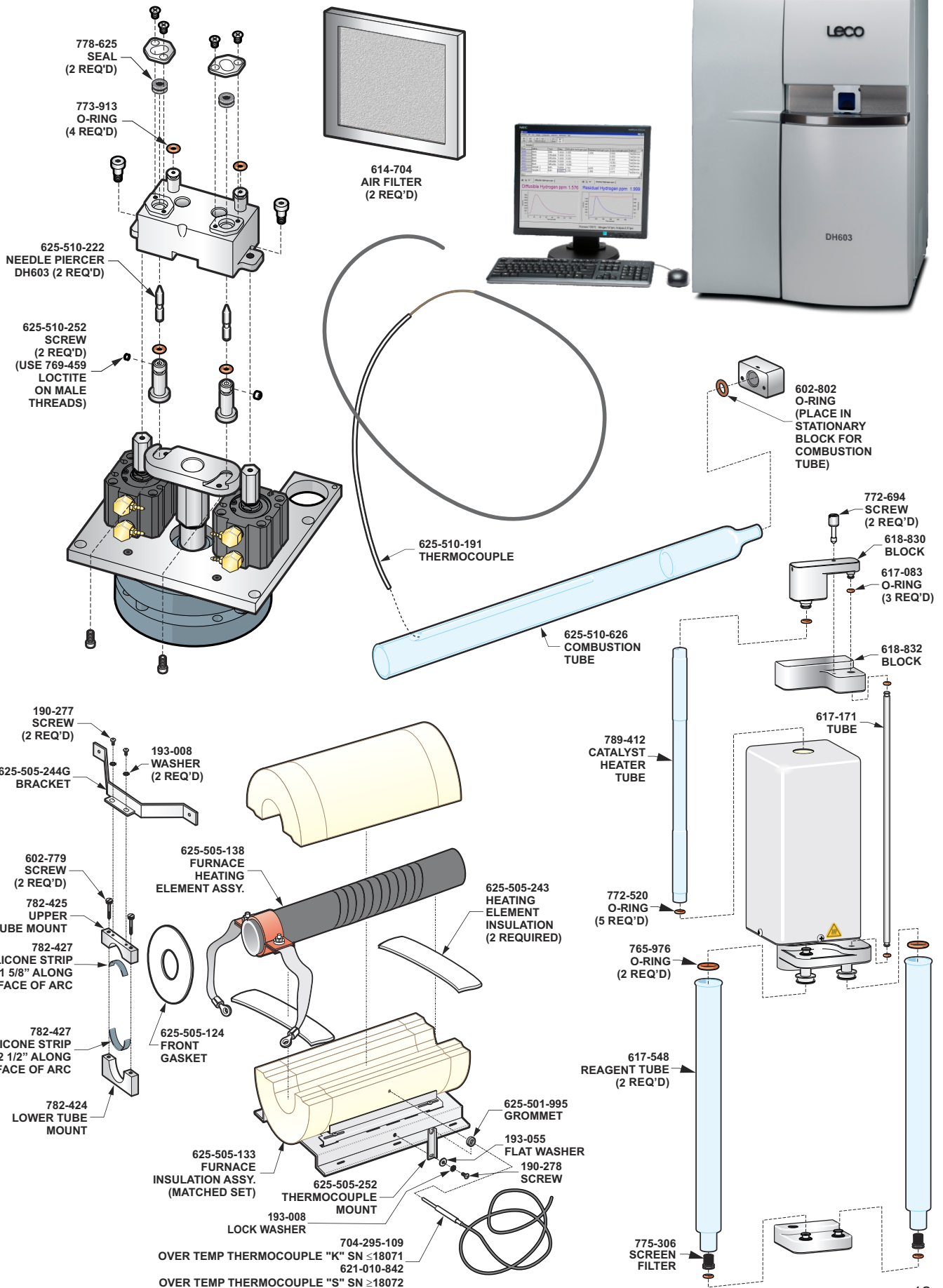
MAINTENANCE PARTS KITS

104-153	CS844 Maintenance Parts Kit
104-155	C844 Maintenance Parts Kit
104-154	S844 Maintenance Parts Kit

REFERENCE MATERIALS AND STANDARDS

Current part numbers and values for LECO Reference Materials and Standard (209-296) can be found at <https://www.leco.com/consumables>





OPERATING SUPPLIES

625-510-626 Combustion Tube

CATALYSTS AND REAGENTS

501-171-HAZ Anhydron 454 g (1 lb) bottle (10-16 mesh)
 502-878 Copper Sticks (100 g)
 501-081 Glass Wool 454 g (1 lb) bottle
 502-174-HAZ Lecosorb 500 g bottle, (20-30 mesh)
 502-176-HAZ Lecosorb 500 g bottle, (8-20 mesh)
 501-608 Quartz Wool 200 g bottle
 501-241 Vacuum Grease 3.5 oz.

REAGENT TUBES

617-548 Glass Reagent Tube, requires one 772-520 and two 765-976 O-rings
 789-412 Quartz Catalyst Heater Tube, requires two 772-520 O-rings
 625-510-129 Glass Reagent Tube, requires two 772-520 O-rings

EVACUATED STEEL SAMPLER WITH INNER STEEL PIN

903-9A3-184 3-foot Cardboard, 6-inch Non-Splash Sleeve with Anti-Skull Coat
 903-9A3-194 3-foot Cardboard, 12-inch Non-Splash Sleeve with Anti-Skull Coat

EVACUATED STEEL SAMPLER WITH QUARTZ LINING

903-9B3-184 3-foot Cardboard, 6-inch Non-Splash Sleeve with Anti-Skull Coat
 903-9B3-194 3-foot Cardboard, 12-inch Non-Splash Sleeve with Anti-Skull Coat

EVACUATED PIN TUBES FOR RAPID SAMPLING OF MOLTEN METALS

Part No.	Description	Dimensions	Qty.
511-036-150	Standard Pin Tube	4 mm $\pm$ 0.2 mm (0.159" $\pm$ 0.009") ID x ~146 mm (5.75") L	1500/pkg
511-039-150	Standard Pin Tube	3.5 mm $\pm$ 0.2 mm (0.39" $\pm$ 0.009") ID x ~146 mm (5.75") L	1500/pkg
511-037-150	Precision Pin Tube	4 mm $\pm$ 0.025 mm (0.159" $\pm$ 0.001") ID x ~146 mm (5.75") L	1500/pkg
511-244	High Vacuum Tube	6 mm (0.236") ID x 125 mm (4.92") L	100/pkg

OPERATION ACCESSORIES

619-995 Bar Code Reader, USB
 618-241 Nut Removal Tool
 511-038 Pin Tube Holder
 782-508 Quartz Wool Puller/Packing Tool Assembly
 625-505-137 Quartz Boat Tweezer
 625-510-146 Sample Puller Assembly
 761-822 Tool Kit
 760-138 Tweezer
 625-510-628 Type "K" to Type "S" Over Temp Thermocouple Conversion Kit

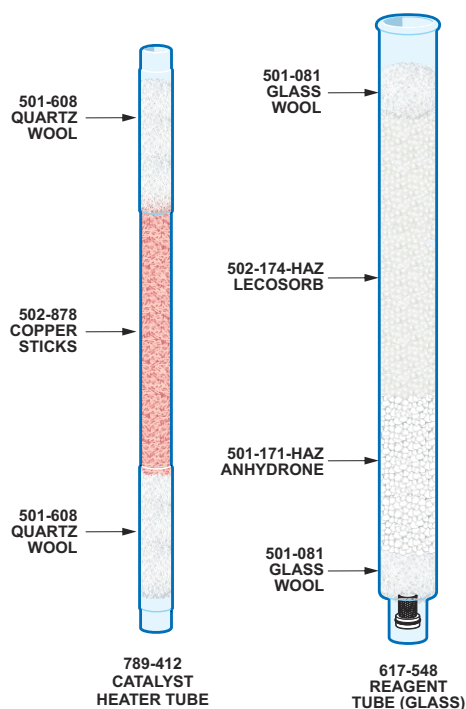
MAINTENANCE PARTS KITS

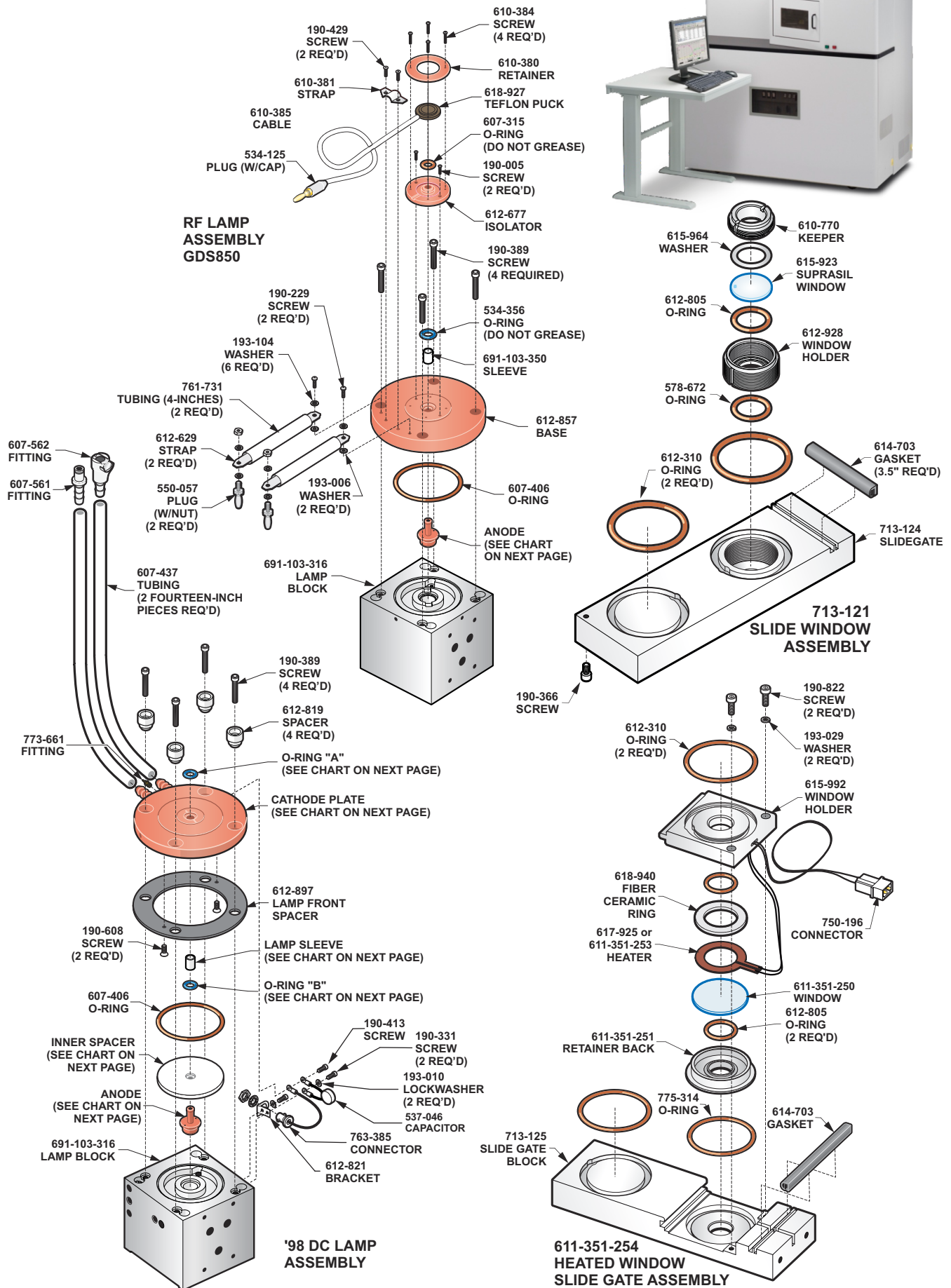
104-179 DH603 Maintenance Parts Kit

Please Note: Quartz Tubes are typically utilized for higher temperature applications (i.e. catalyst tubes). Glass reagent/filter tubes are designed for lower temperature applications. Glass tubes should not be used in place of quartz tubes.

REFERENCE MATERIALS AND STANDARDS

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Lamp	Size	Cathode	Anode	Sleeve	O-Ring "A"	O-Ring "B"	Inner Spacer	RF Lamp Base
DC	2 mm*	618-389	618-386	618-385	618-382	609-114	618-297	N/A
DC	2 mm	616-999	612-823	691-103-350	607-315	534-356	618-296	N/A
DC	4 mm	616-999	612-815	691-103-350	607-315	534-356	618-296	N/A
RF	2 mm	N/A	612-860	691-103-350	607-315	534-356	N/A	612-857
RF	4 mm	N/A	612-859	691-103-350	607-315	534-356	N/A	612-857

CONSUMABLES

502-234-HAZ	Alcohol
502-237	Foam Wipes
534-356	Inner Sleeve O-ring (red)
607-302	Mist Oil Filter
607-303	Mist Odor Filter
621-339	Reamer Bit Assembly 4 mm
607-406	Ceramic Spacer O-ring (red)
607-623	Inner Lens Assembly O-ring
779-377	Vacuum Pump Oil (400 ml)
502-629	Lens Cleaning Tissue
612-509	Fomblin Grease
203-913	Printer Paper, 5000 sheets
619-572	Drill Bit, 4 mm (soft metals)
615-923	Suprasil Window (<i>For wavelengths >165 nm</i>)
611-351-192	Mg/FI Window; '98 non-heated (<i>wavelength < 165 nm</i>)
611-351-250	Mg/FI Window, heated
502-396	Fluid Cooling Sample RF, 1 gallon

SPARES

615-961	Suprasil Window Insert Assembly, includes (1) 610-770 Keeper, (1) 615-964 Washer, (1) 615-923 Window, (1) 612-805 O-ring, (1) 612-928 Holder
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NOTE: (*For wavelengths ≥ 165 nm*)

SLIDE WINDOW ASSEMBLY

612-928	Window Holder
612-805	O-ring
615-964	Teflon Washer
610-770	Keeper
578-672	O-ring Slidegate
615-923	Suprasil Window

TOOLS

617-274	Anode Alignment Tool/Sleeve Removal
612-399	Anode Depth Micrometer
612-799	Sleeve Removal Tool
612-811	Assy. Tool Window Holder

OPTIONS

612-933	Reamer - Soft Materials (4 mm Source)
619-580-107	Sample Holder, 3 mm, Wire
612-798	Sample Holder, 13 mm, Briquettes
612-774	Sample Holder, Porous Samples
612-775	Sample Holder, TRS Bar Holder
607-769	Reamer Assembly, 2 mm
618-384	Reamer Assembly, 2 mm Small
618-391	2 mm Lamp Small (6 mm O-ring) Kit
618-927	Puck 3 RF
259-002UPGR	Software Upgrade GDS850

'98 LAMP

607-315	Outer Sleeve O-ring, blue
534-356	Inner Ring O-ring, red
618-296	Inner Spacer
618-297	Inner Spacer, 2 mm Small
607-406	Ceramic O-ring
691-103-350	Sleeve, 4 mm
612-815	Anode, 4 mm
612-823	Anode, 2 mm
612-819	Spacer
190-389	Screw (lamp bolt)

RF LAMP

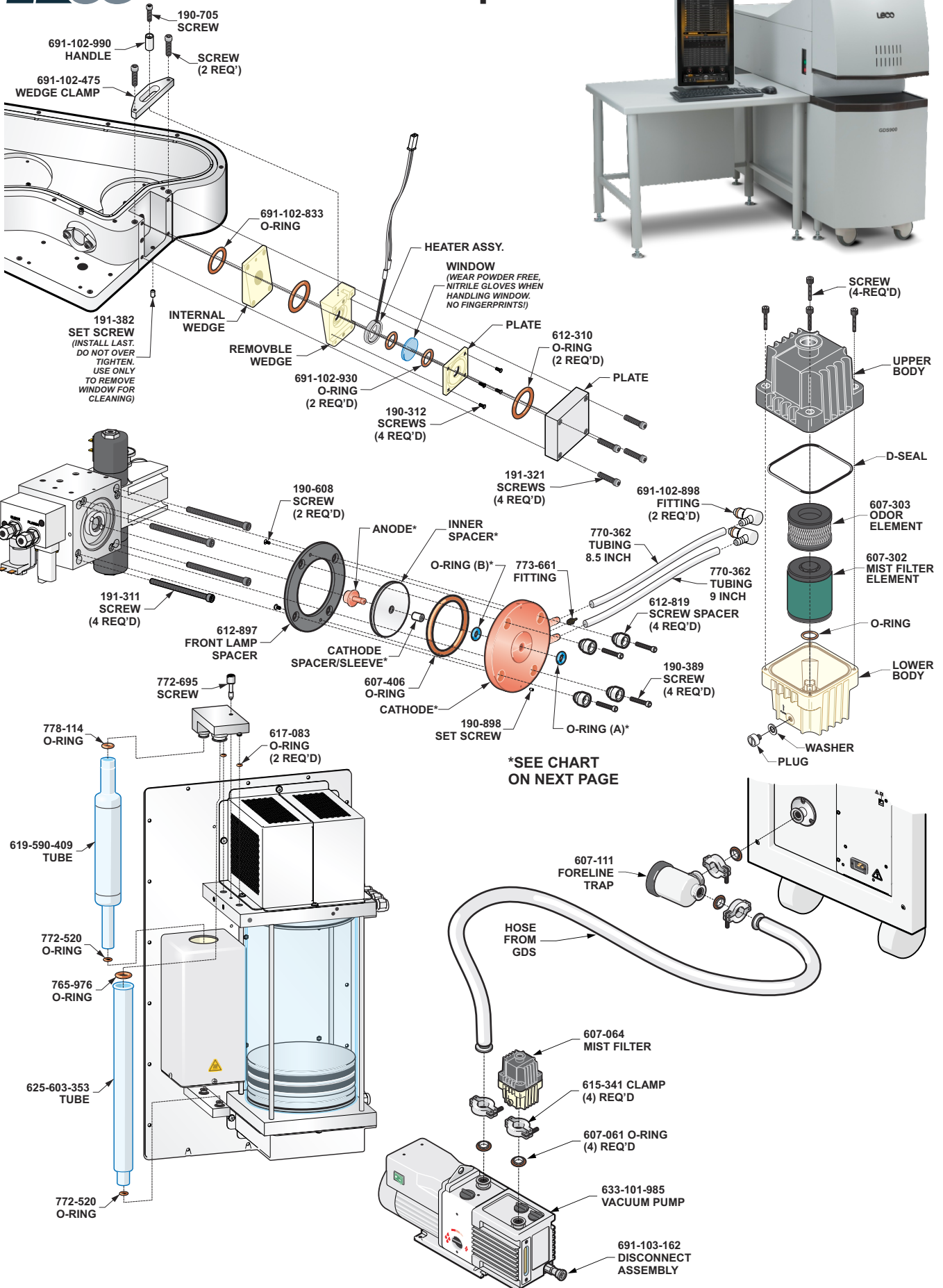
702-069	Retainer Insert
702-070	RF Anode Retainer
702-071	Insert Anode, RF, 2 mm Boron
702-072	Insert Anode, RF, 4 mm Boron
612-860	RF Anode, 2 mm
612-857	RF Anode, 4 mm

KITS

612-879	4 mm '98 Lamp Rebuild Kit (DC Lamp)
612-891	4 mm '98 Lamp Rebuild Kit (RF Lamp)
702-071-110	2 mm '98 Non-conductive Anode Kit
702-072-110	4 mm '98 Non-conductive Anode Kit

REFERENCE MATERIALS AND STANDARDS

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Lamp	Size	Cathode	Anode	Sleeve	O-Ring "A"	O-Ring "B"	Inner Spacer	Reamer Assy
DC	4 mm	691-103-361	612-815	691-103-350	607-315	534-356	618-296	621-339
DC	2 mm	691-103-361	612-823	691-103-350	607-315	534-356	618-296	607-769
DC	2 mm Small	691-103-321	618-386	691-103-351	618-382	609-114	618-297	618-384

CONSUMABLES AND SUPPLIES

502-234-HAZ	Alcohol
502-237	Foam Wipes
502-259	Cleaning Pad
779-377	Vacuum Pump Oil
615-797	Cotton Swabs
502-629	Lens Tissues
612-879	4 mm Lamp Rebuild Kit
810-487	60 grit ZrO ₂ Belts Box/5
810-499	120 grit ZrO ₂ Belts Box/5
501-171-HAZ	Anhydron
502-174-HAZ	Lecosorb 20/30
502-878	Copper Sticks
501-241	Vacuum Grease
502-177	Quartz Wool
775-306	Screen Filter
502-233	Alumina Pellets
691-102-756	Window
691-103-266	Conditioning Piece LC1-A

PMA KITS

104-204	Standard PMA Kit
104-205	Extended PMA Kit

TOOLS

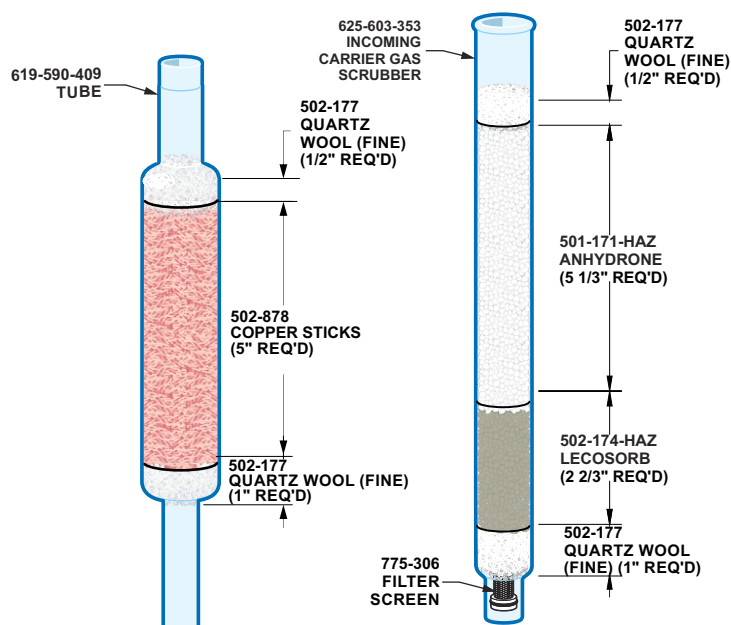
612-399	Anode Depth Gauge
607-309	Reamer Tool
691-101-505	Reamer Locking Tool
617-274	Sleeve Alignment Tool
612-799	4 mm Sleeve Removal Tool
612-812	Anode Removal Tool
612-599	Anode Alignment Tool
633-103-149	Reamed Anode Alignment Tool
691-103-120	Wrench 7mm
762-515	O-Ring Removal Tool
691-102-947	Water Fill Tool
607-791	Oil Drain Tool
607-298	Chapman Ratchet Kit

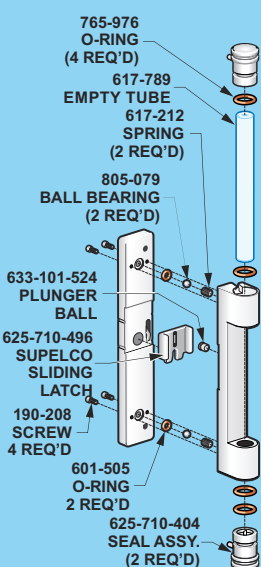
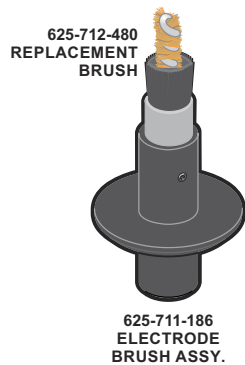
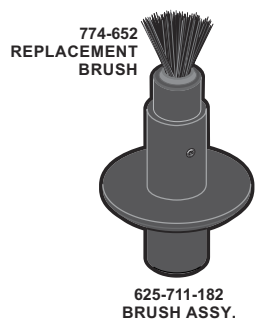
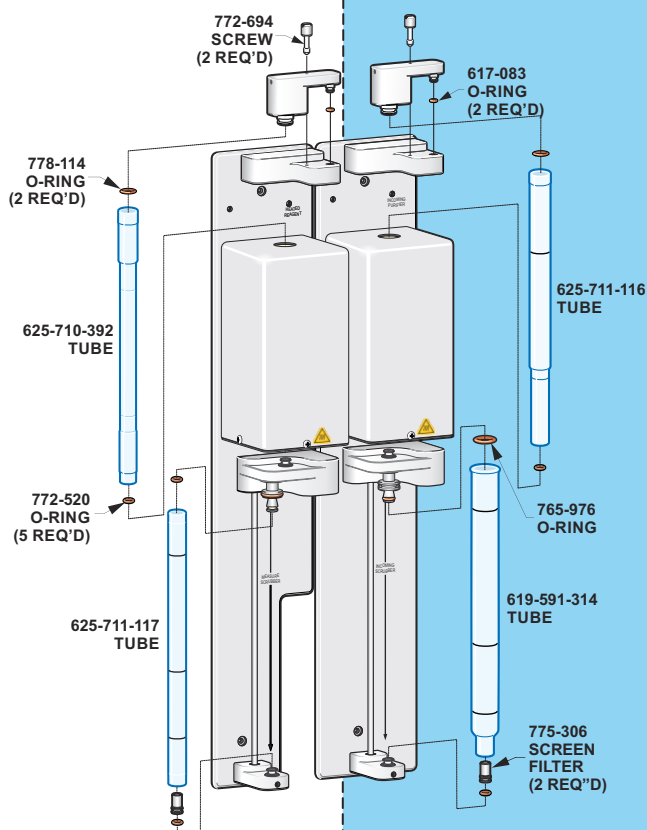
OPTIONAL ACCESSORIES

633-103-354	Compressed Air (CGA 346) 2-Stage Pressure Regulator Kit
633-103-358	Inert Gas (CGA 580) 2-Stage Pressure Regulator Kit
633-103-359	UHP In-Line (0 to 50) Pressure Regulator with Bracket Kit
691-102-650	Kit Table GDS Integrated
691-102-856	Kit Workstation Sit/Stand
691-103-430	Porous Sample Holder
691-103-474	Porous Sample Holder for Powder Metals, TRS Bars
612-798	Sample Briquette Holder
612-933	4 mm Soft Material Reamer
691-103-425	3 mm Wire Sample Holder
691-103-306	Vacuum Pump Sound Abatement Enclosure

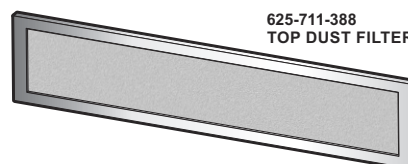
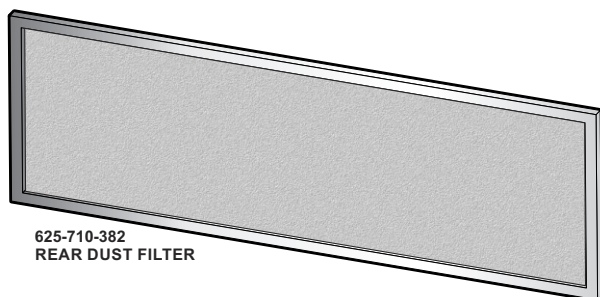
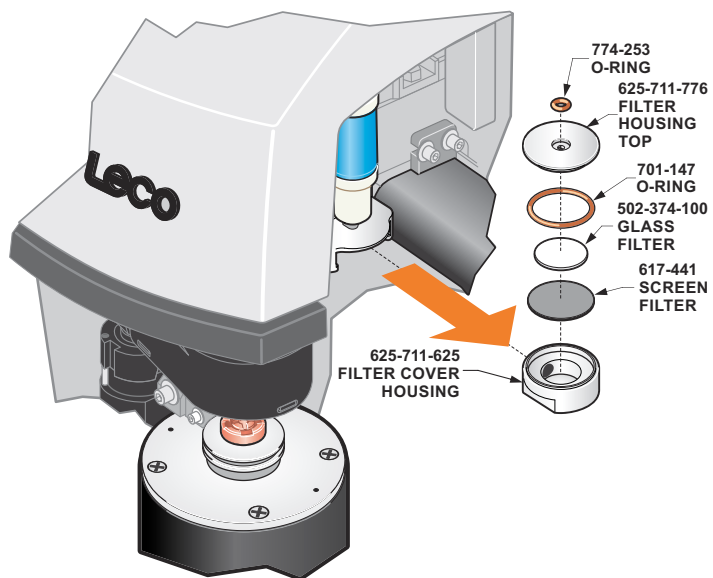
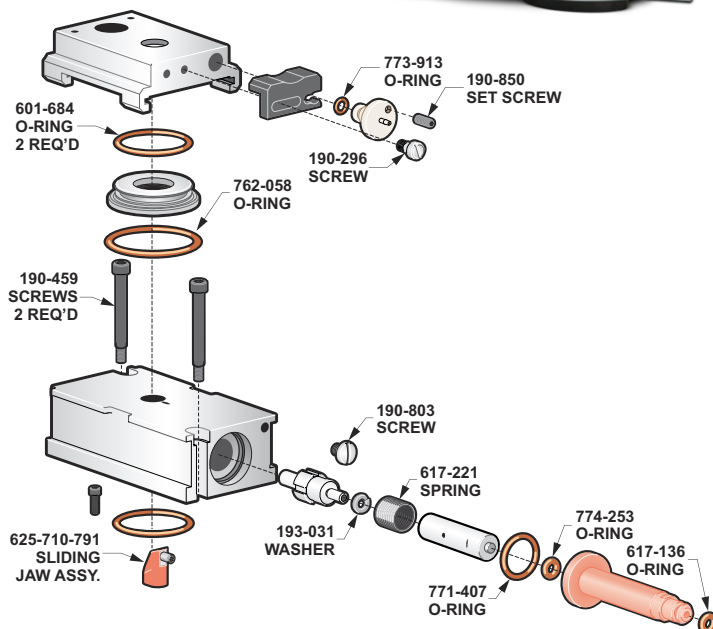
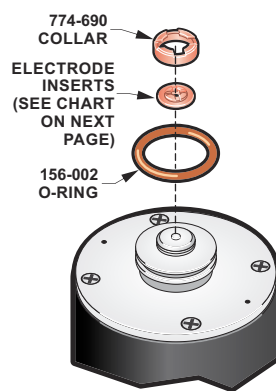
REFERENCE MATERIALS AND STANDARDS

Current part numbers and values for LECO Reference Materials and Standard (209-296) can be found at <https://www.leco.com/consumables>





**OPTIONAL
PERFORMANCE
PACKAGE**



Electrode Insert	Crucible	Supports Automation
611-351-181	776-247	Yes
611-351-182	776-247	No
618-376	782-720	Yes
782-721	782-720	No

FUSION SUPPLIES

776-247	Crucible (Standard), 1000
782-720	Crucible (Hi-Temp), 1000
501-598	Etchable Nibbled Nickel 100 g bottle
501-073	Graphite Powder 100 g bottle
502-040	Large Tin Capsule 100/bottle
617-866	Lower Electrode Assembly, requires 156-002 O-ring, includes: 625-712-244 Electrode, 774-690 Knurled Ring (Collar), Electrode Insert (see chart above)
502-822	Nickel Capsule 100/bottle
502-345	1.5 g Nickel Baskets Ultra High Purity 100/bottle
502-344	1.0 g Nickel Baskets Ultra High Purity 100/bottle
501-059	Small Tin Capsule 100/bottle
761-739	Tin Flux (Pellets), 0.5 g

*Not part of 617-866 Assembly

CATALYSTS AND REAGENTS

501-171-HAZ	Anhydron 454 g (1 lb) bottle
502-705	Copper Sticks 100 g ampule
502-878	Copper Sticks 100 g bottle
503-527	Copper Turning 60 g bottle
501-081	Glass Wool 454 g (1 lb) box
502-174-HAZ	Lecosorb 500 g bottle, 20-30 mesh
502-176-HAZ	Lecosorb 500 g bottle, 8-20 mesh
783-785-110-HAZ	OMI Replacement Tube
501-608	Quartz Wool, 200 g
501-170	Rare Earch Copper Oxide, 50 g

OPERATION ACCESSORIES

619-591-724	Coolant
766-053	Crucible Tweezers
611-373	Electrode Insert Removal Tool
502-374-100	Filter Discs
775-306	Secondary Filter, 10 micron
502-023	Funnel
503-032	Glass Scoop
619-591-740	Medium Reagent Tube (Glass)
625-712-805	Sample Pan
760-138	Sample Tweezers (Straight)
625-711-260	Screen/Doser Stem Removal Tool
501-241	Vacuum Grease
767-473	Utility Funnel, Polypropylene
620-760	Vacuum Filter

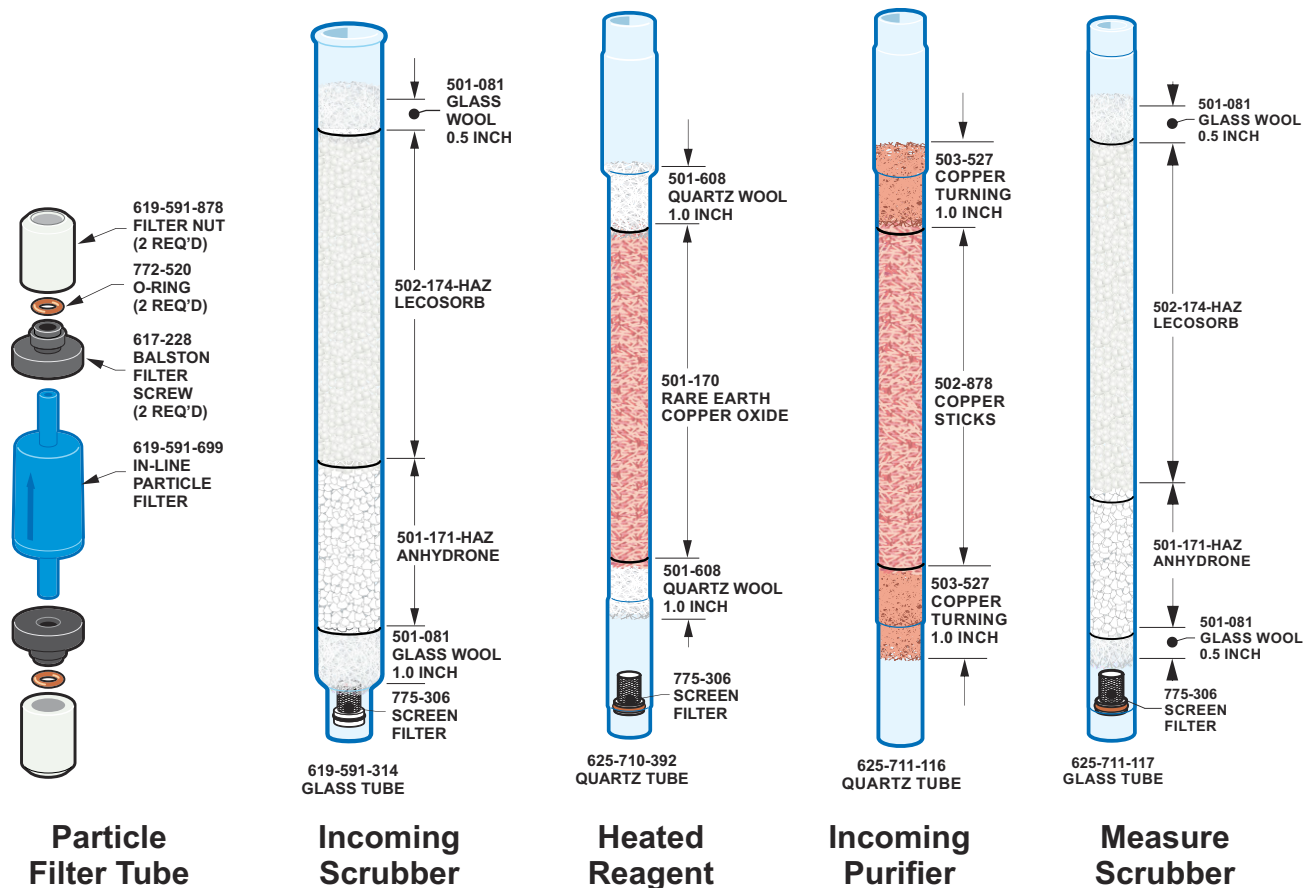
MAINTENANCE PARTS KITS

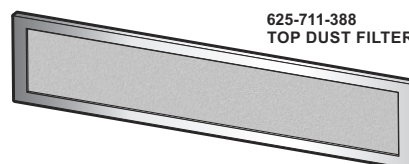
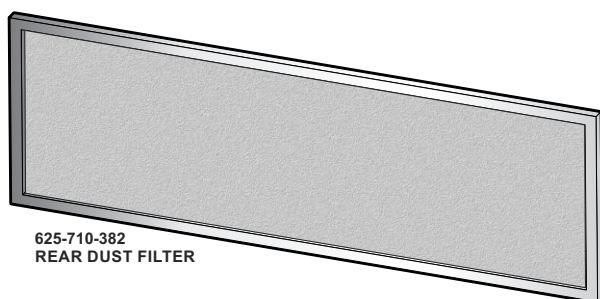
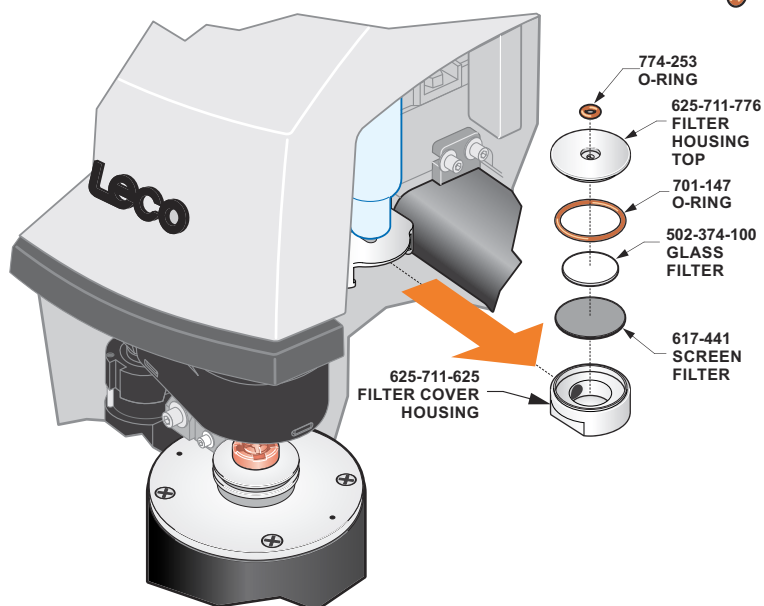
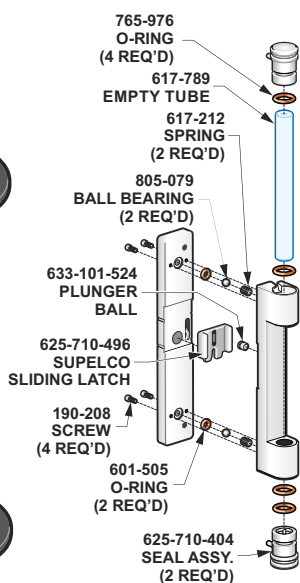
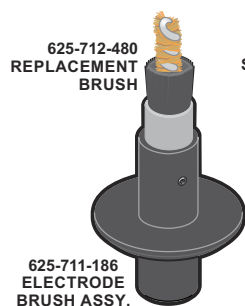
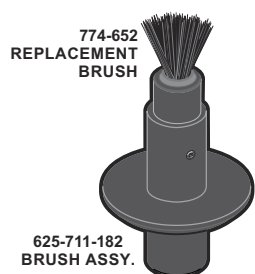
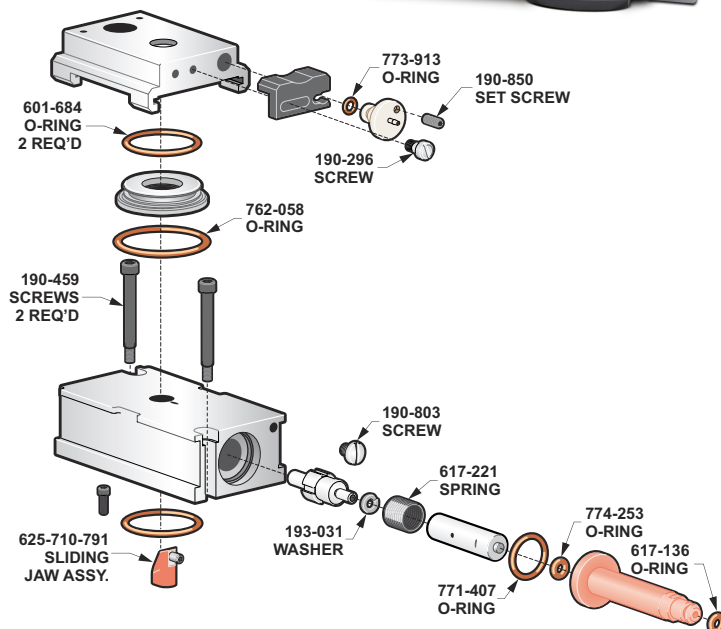
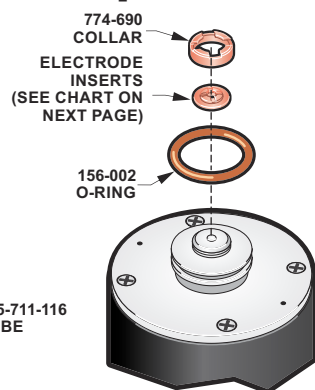
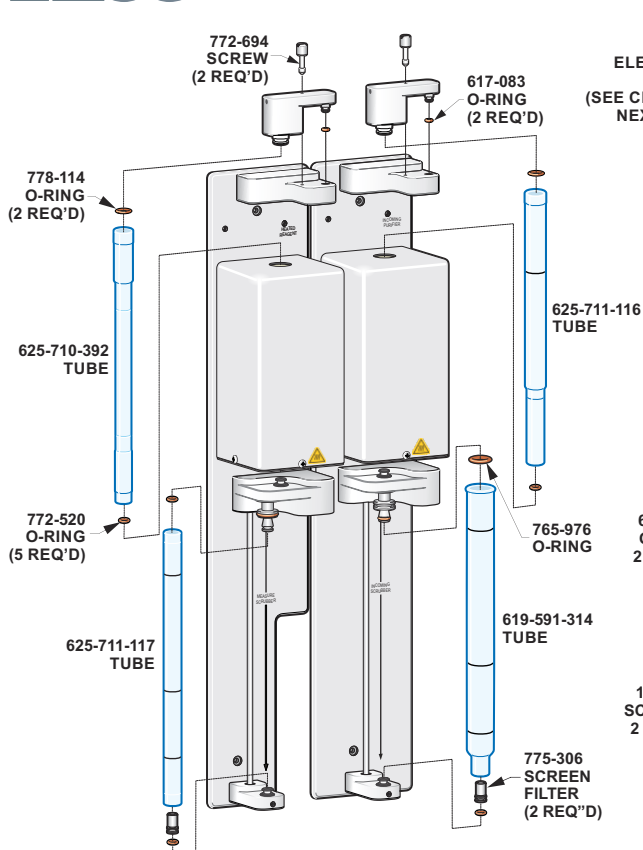
104-181	O/N736 w/Perform Maintenance Parts Kit
104-183	O/N736 w/o Perform Maintenance Parts Kit

Please Note: Quartz Tubes are typically utilized for higher temperature applications (i.e. catalyst tubes). Glass reagent/filter tubes are designed for lower temperature applications. Glass tubes should not be used in place of quartz tubes.

REFERENCE MATERIALS AND STANDARDS

Current part numbers and values for LECO Reference Materials and Standard (209-296) can be found at <https://www.leco.com/consumables>





Electrode Insert	Crucible	Supports Automation
611-351-181	776-247	Yes
611-351-182	776-247	No
618-376	782-720	Yes
782-721	782-720	No

FUSION SUPPLIES

776-247	Crucible (Standard), 1000
782-720	Crucible (Hi-Temp), 1000
501-598	Etchable Nibbled Nickel 100 g bottle
501-073	Graphite Powder 100 g bottle
502-040	Large Tin Capsule 100/bottle
617-866	Lower Electrode Assembly, requires 156-002 O-ring, includes: 625-712-244 Electrode, 774-690 Knurled Ring (Collar), Electrode Insert (see chart above)
502-822	Nickel Capsule 100/bottle
502-345	1.5 g Nickel Baskets Ultra High Purity 100/bottle
502-344	1.0 g Nickel Baskets Ultra High Purity 100/bottle
501-059	Small Tin Capsule 100/bottle
761-739	Tin Flux (Pellets), 0.5 g

*Not part of 617-866 Assembly

CATALYSTS AND REAGENTS

501-171-HAZ	Anhydron 454 g (1 lb) bottle
502-705	Copper Sticks 100 g ampule
502-878	Copper Sticks 100 g bottle
503-527	Copper Turnings 60 g bottle
502-190	Copper Oxide Wire 100 g bottle
501-081	Glass Wool 454 g (1 lb) box
502-174-HAZ	Lecosorb 500 g bottle, 20-30 mesh
502-176-HAZ	Lecosorb 500 g bottle, 8-20 mesh
783-785-110-HAZ	OMI Replacement Tube
501-608	Quartz Wool, 200 g

OPERATION ACCESSORIES

619-591-724	Coolant
766-053	Crucible Tweezers
611-373	Electrode Insert Removal Tool
502-374-100	Filter Discs
775-306	Secondary Filter, 10 micron
502-023	Funnel
503-032	Glass Scoop
619-591-740	Medium Reagent Tube (Glass)
625-712-805	Sample Pan
760-138	Sample Tweezers (Straight)
625-711-260	Screen/Doser Stem Removal Tool
501-241	Vacuum Grease
767-473	Utility Funnel, Polypropylene
620-760	Vacuum Filter

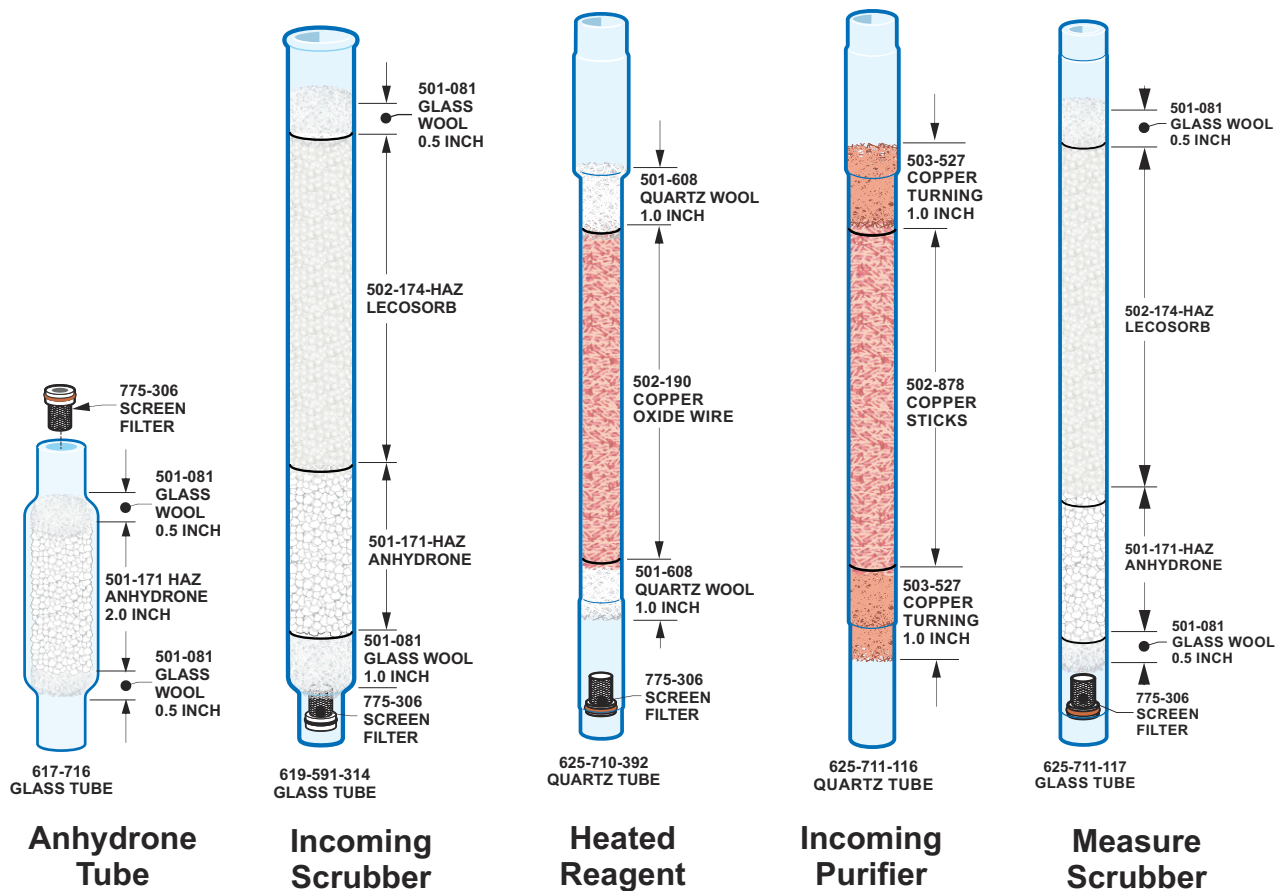
MAINTENANCE PARTS KITS

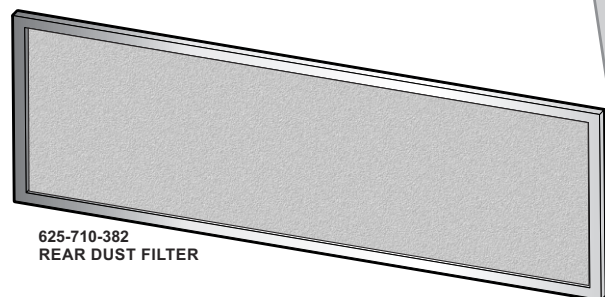
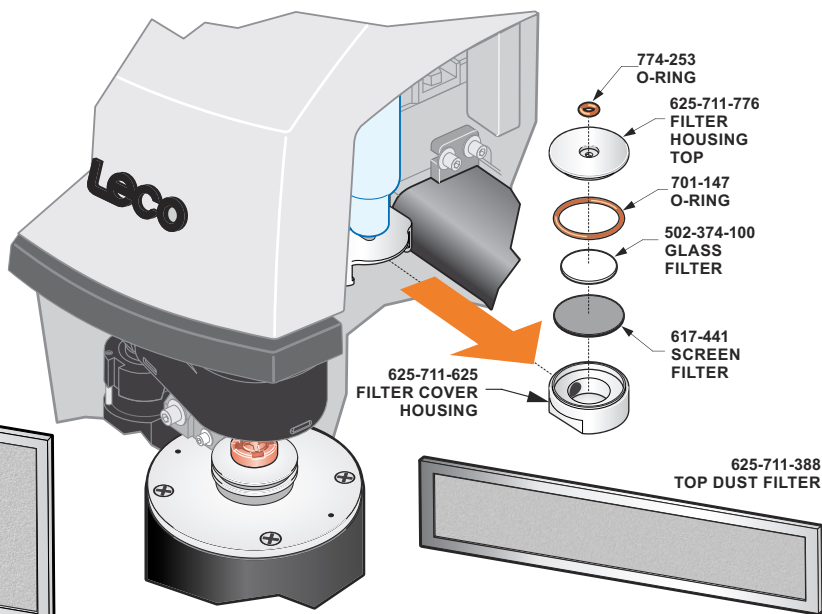
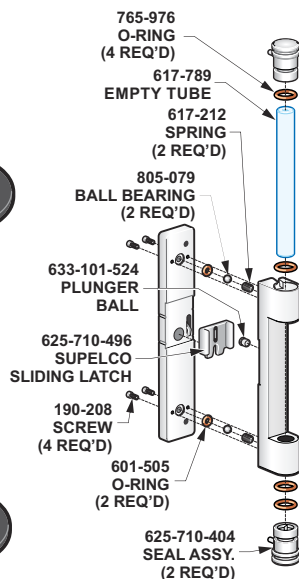
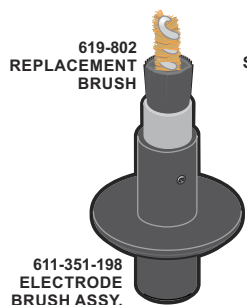
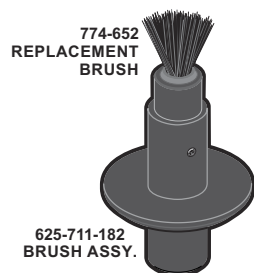
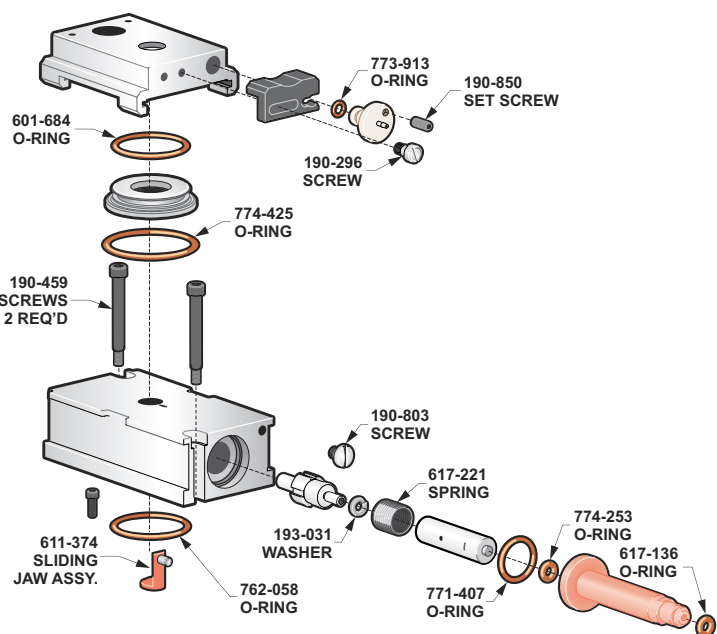
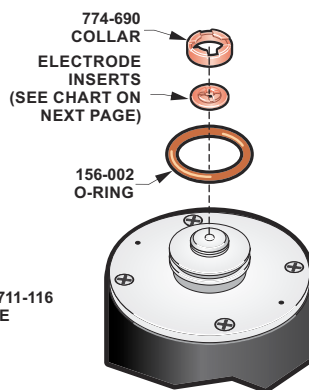
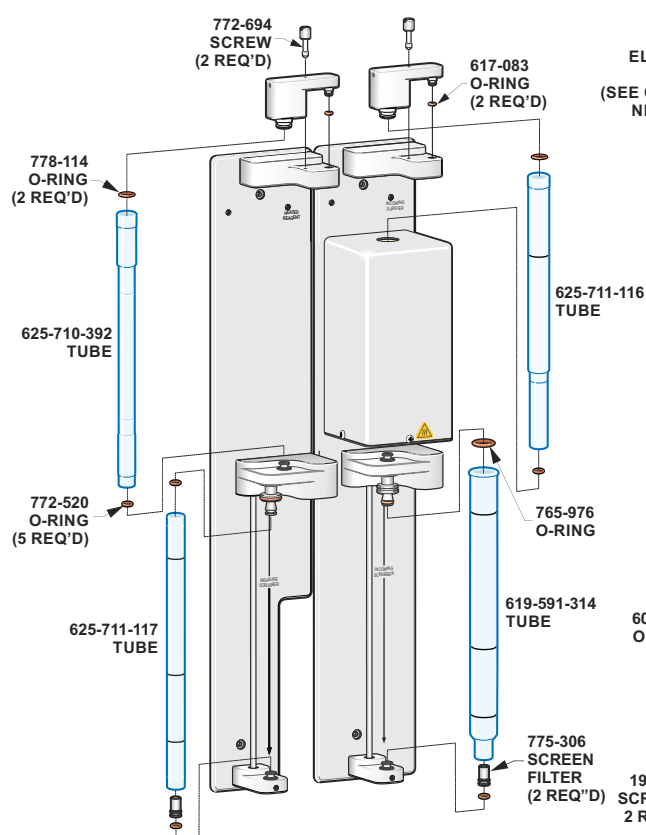
104-152	ONH836 Series Maintenance Parts Kit
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Please Note: Quartz Tubes are typically utilized for higher temperature applications (i.e. catalyst tubes). Glass reagent/filter tubes are designed for lower temperature applications. Glass tubes should not be used in place of quartz tubes.

REFERENCE MATERIALS AND STANDARDS

Current part numbers and values for LECO Reference Materials and Standard (209-296) can be found at <https://www.leco.com/consumables>





Electrode Insert	Crucible	Supports Automation
611-351-180	764-330	Yes
611-351-183	764-330	No
619-896	619-895	Yes

FUSION SUPPLIES

764-330	Crucible EN (Standard)
619-895	Crucible EN (Hi-Temp)
501-598	Etchable Nibbled Nickel 100 g bottle
501-073	Graphite Powder 100 g bottle
502-040	Large Tin Capsule 100/bottle
617-866	Lower Electrode Assembly, requires 156-002 O-ring, includes: 625-712-244 Electrode, 774-690 Knurled Ring (Collar), Electrode Insert (see chart above)
502-822	Nickel Capsule 100/bottle
502-345	1.5 g Nickel Baskets Ultra High Purity 100/bottle
502-344	1.0 g Nickel Baskets Ultra High Purity 100/bottle
501-059	Small Tin Capsule 100/bottle
761-739	Tin Flux (Pellets), 0.5 g

*Not part of 617-866 Assembly

CATALYSTS AND REAGENTS

501-171-HAZ	Anhydron 454 g (1 lb) bottle
502-705	Copper Sticks 100 g ampule
502-878	Copper Sticks 100 g bottle
503-527	Copper Turnings 60 g bottle
761-747-HAZ	CO to CO ₂ Converter, 100 g
501-081	Glass Wool 454 g (1 lb) box
502-174-HAZ	Lecosorb 500 g bottle, 20-30 mesh
502-176-HAZ	Lecosorb 500 g bottle, 8-20 mesh
783-785-110-HAZ	OMI Replacement Tube
501-608	Quartz Wool, 200 g

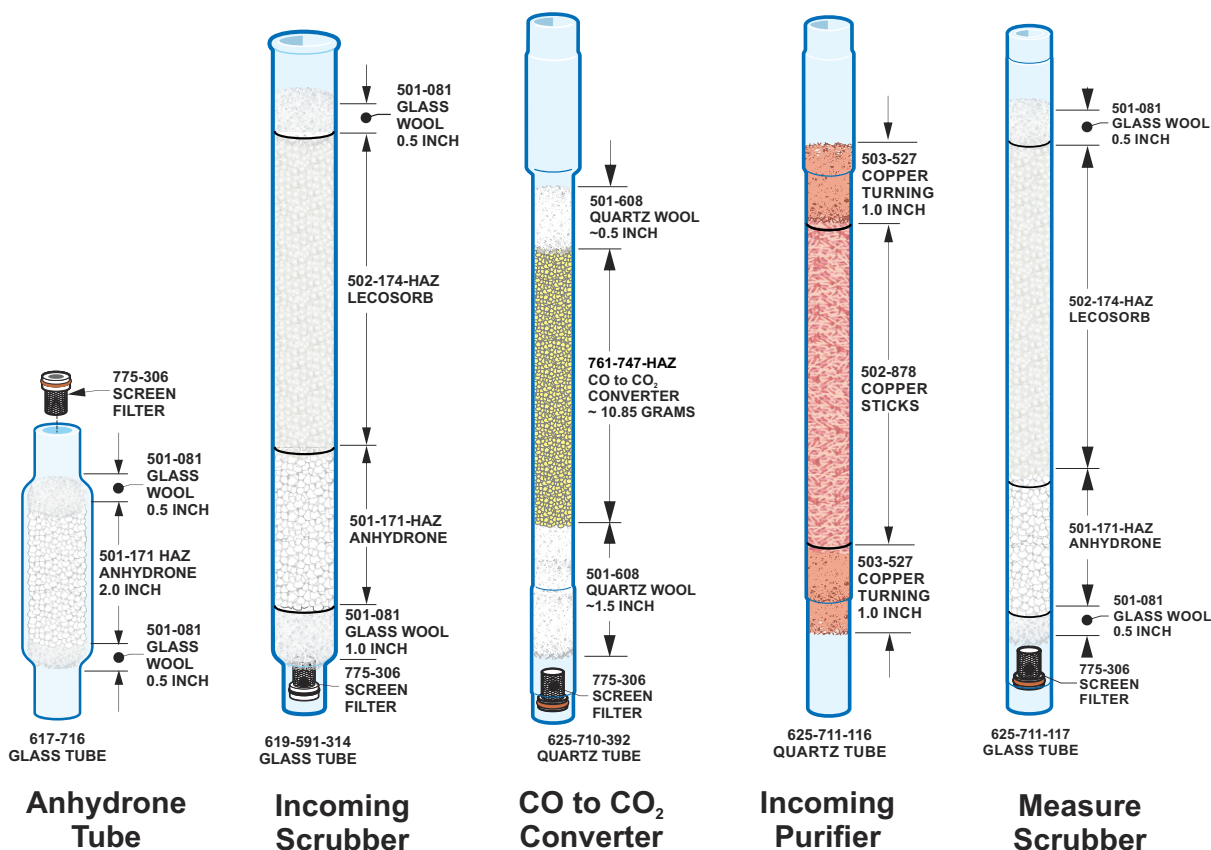
OPERATION ACCESSORIES

619-591-724	Coolant
766-053	Crucible Tweezers
611-373	Electrode Insert Removal Tool
502-374-100	Filter Discs
775-306	Secondary Filter, 10 micron
502-023	Funnel
503-032	Glass Scoop
619-591-740	Medium Reagent Tube (Glass)
625-712-805	Sample Pan
760-138	Sample Tweezers (Straight)
625-711-260	Screen/Doser Stem Removal Tool
501-241	Vacuum Grease
767-473	Utility Funnel, Polypropylene
620-760	Vacuum Filter

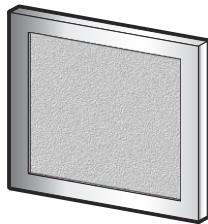
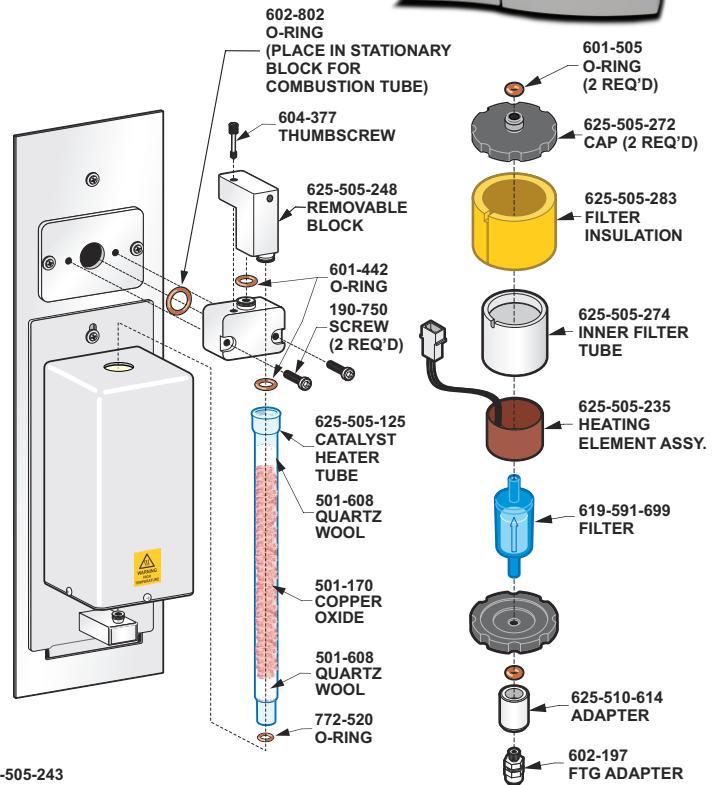
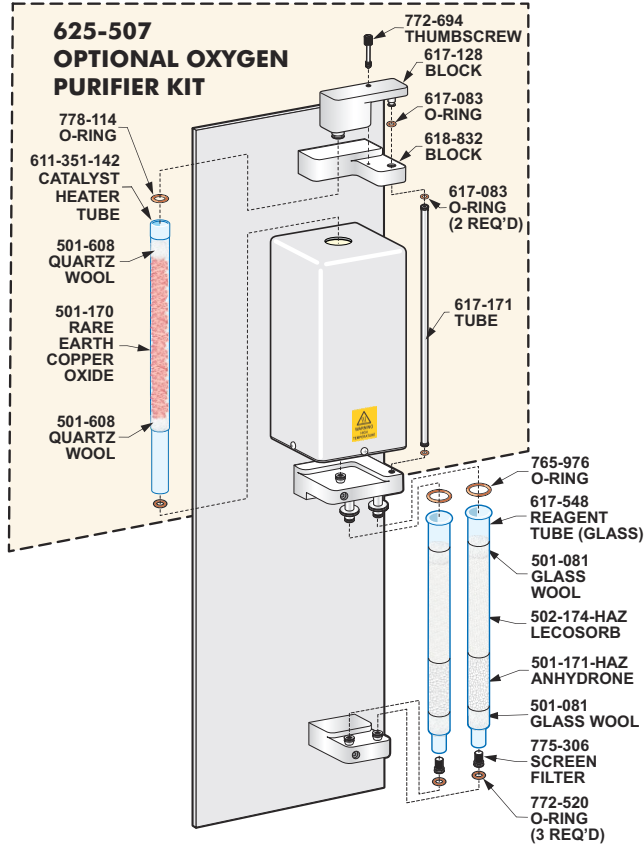
Please Note: Quartz Tubes are typically utilized for higher temperature applications (i.e. catalyst tubes). Glass reagent/filter tubes are designed for lower temperature applications. Glass tubes should not be used in place of quartz tubes.

REFERENCE MATERIALS AND STANDARDS

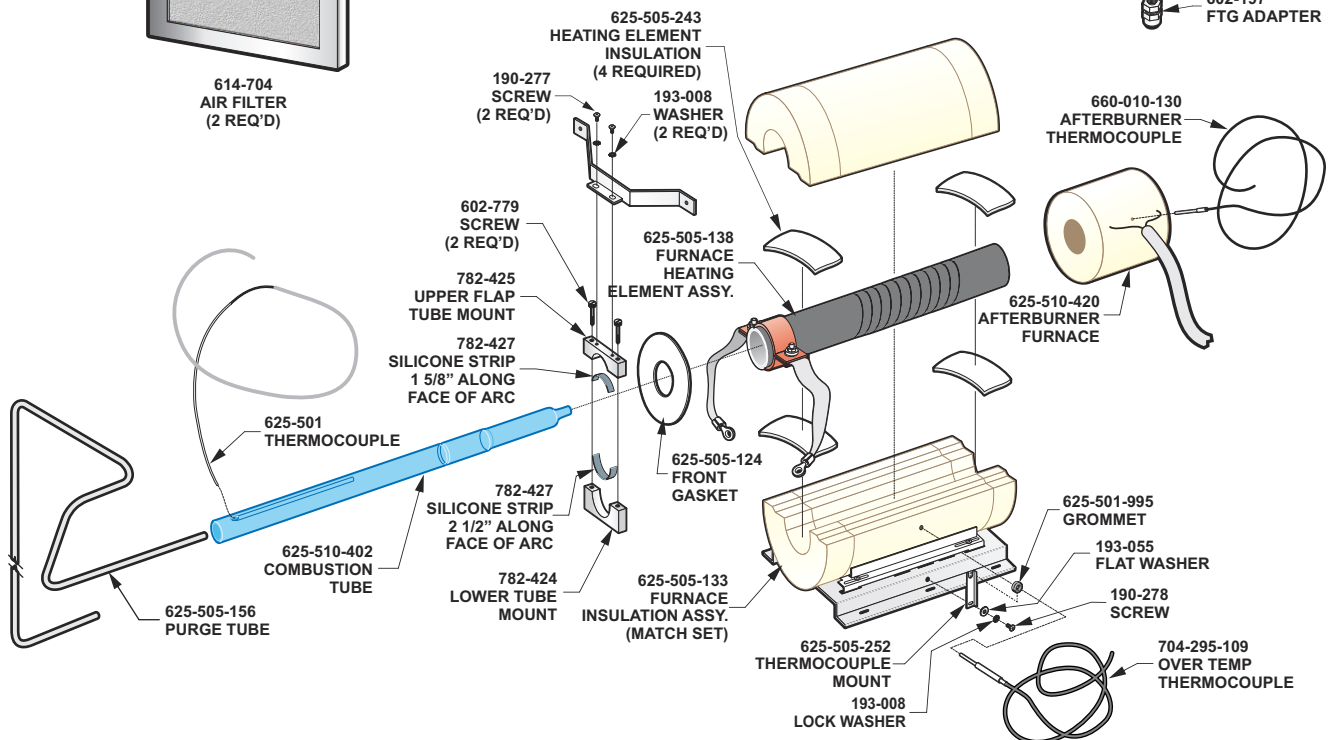
Current part numbers and values for LECO Reference Materials and Standard (209-296) can be found at <https://www.leco.com/consumables>



625-507 OPTIONAL OXYGEN PURIFIER KIT



614-704
AIR FILTER
(2 REQ'D)





Consumables & Spare Parts

OPERATING SUPPLIES

781-335	Quartz Boat
782-059	Nickel Boat Liner (10/pkg)
625-510-402	Combustion Tube
625-505-430	Nickel Boats (50/pkg)

CATALYSTS AND REAGENTS

501-171-HAZ	Anhydron 454 g (1 lb.) bottle (10-16 mesh)
501-170	Copper Oxide 50 g bottle
502-156	Fluorhib (1 lb.)
502-493	Fluorhib HP (35 g)
501-081	Glass Wool 454 g (1 lb.) bottle
502-174-HAZ	Lecosorb 500 g bottle, (20-30 mesh)
502-176-HAZ	Lecosorb 500 g bottle, (8-20 mesh)
501-608	Quartz Wool 200 g bottle

REAGENT TUBES

617-548	Glass Anhydron Tube, requires two 772-520 O-rings
625-505-125	Quartz Catalyst Heater Tube, requires two 772-520 O-rings

OPERATION ACCESSORIES

780-044	Boat Puller Assembly
761-929	Crucible Tongs
782-508	Quartz Wool Puller/Packing Tool Assembly
501-614	Spatula
625-505-137	Quartz Boat Tweezer

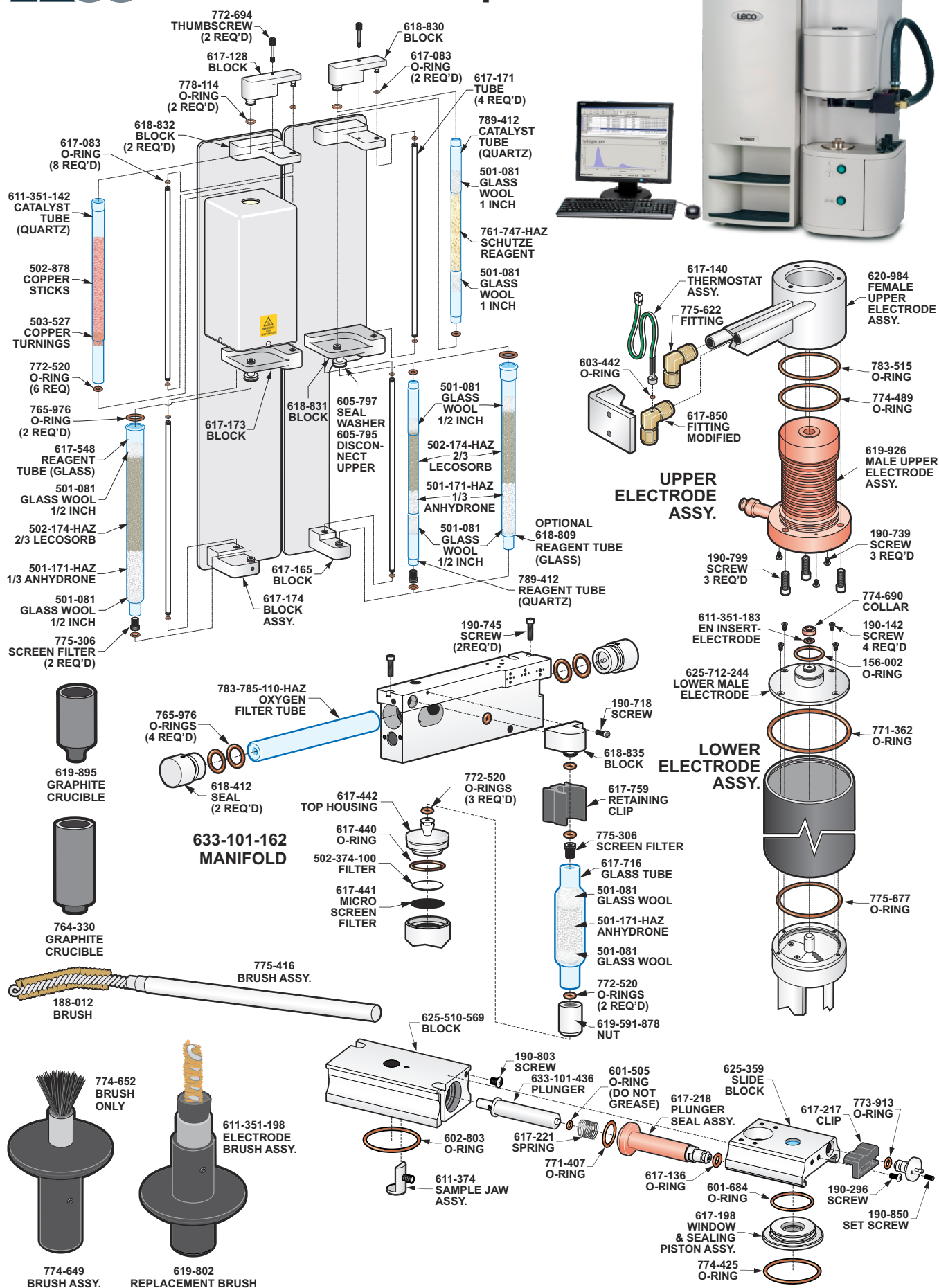
MAINTENANCE PARTS KITS

104-173	RC612 Maintenance Parts Kit
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Please Note: Quartz Tubes are typically utilized for higher temperature applications (i.e. catalyst tubes). Glass reagent/filter tubes are designed for lower temperature applications. Glass tubes should not be used in place of quartz tubes.

REFERENCE MATERIALS AND STANDARDS

Current part numbers and values for LECO Reference Materials and Standard (209-296) can be found at <https://www.leco.com/consumables>





Consumables & Spare Parts

FUSION SUPPLIES

501-598	Etchable Nibbled Nickel 100 g bottle
501-073	Graphite Powder 100 g bottle
502-040	Large Tin Capsule 100/bottle
611-351-180	Lower Electrode Tip (for 764-330 Crucibles with Automation)
611-351-183	Lower Electrode Tip (for 764-330 Crucibles without Automation)
619-896	Lower Electrode Tip (for 619-895 Crucibles)
502-822	Nickel Capsule 100/bottle
502-345	1.5 g Nickel Baskets Ultra High Purity 100/bottle
502-344	1.0 g Nickel Baskets Ultra High Purity 100/bottle
501-059	Small Tin Capsule 100/bottle
761-744	Molecular Sieve Assembly

CATALYSTS AND REAGENTS

501-171-HAZ	Anhydron 454 g (1 lb.) bottle
502-705	Copper Sticks 100 g ampule
502-878	Copper Sticks 100 g bottle
503-527	Copper Turnings 60 g bottle
501-081	Glass Wool 454 g (1 lb.) box
501-073	Graphite Powder 100 g bottle
502-174-HAZ	Lecosorb 500 g bottle, 20-30 mesh
502-176-HAZ	Lecosorb 500 g bottle, 8-20 mesh
761-747-HAZ	Schutze Reagent

OPERATION ACCESSORIES

766-053	Crucible Tweezers
766-646	Air Filter Coating
775-306	Secondary Filter, 10 micron
775-307	Screen Filter Removal Tool (Thumbscrew)
625-711-599	Lubricool Cooling Agent
764-078	One gram Weight
783-785-110-HAZ	Replacement Tube for 783-786 Kit
760-138	Sample Tweezers (Straight)
501-241	Vacuum Grease
767-473	Utility Funnel
620-760	Vacuum Filter (Ash Vac)
618-809	Medium Reagent Tube (Glass)

MAINTENANCE PARTS KITS

104-151	RHEN602 Maintenance Parts Kit
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Please Note: Quartz Tubes are typically utilized for higher temperature applications (i.e. catalyst tubes). Glass reagent/filter tubes are designed for lower temperature applications. Glass tubes should not be used in place of quartz tubes.

REFERENCE MATERIALS AND STANDARDS

Current part numbers and values for LECO Reference Materials and Standard (209-296) can be found at <https://www.leco.com/consumables>

RHEN602

LECO Upgrades and Options

BALANCES

751-060-110	4-Place Balance/Interface Kit, Basic (0.1 mg)
751-350-110	4-Place Balance/Interface Kit (0.1 mg)
751-700-120	5-Place Balance/Interface Kit (0.01 mg)
751-600-120	6-Place Balance/Interface Kit (0.001 mg)

CS230 SERIES

259-059UPGR	Software Upgrade
CF10	Gas Purification Unit
617-249-HAZ	CS Halogen Trap Kit
621-891	Vacuum Cleaner Kit
621-895	Windows Upgrade Kit (Software, Comm Cable)
621-896	PC Upgrade Kit (PC, Monitor, Keyboard, Mouse, and PC Software)
621-897	Autocleaner Kit (requires 621-891)
625-513G	Shuttle Loader Kit (without autocleaner)
625-514G	Shuttle Loader/Autocleaner Kit

744 SERIES

619-591-790	Element Filter for 619-590-485 AF10
619-591-840	Kit Shuttle Loader C/S 60-Pos
619-592-490	Pack O-Ring C/CS/S844
782-880	Filter Vacuum 0.3 Micron
619-592-150	Kit Trap Fluorine/Chlorine
619-592-685	Kit Upgrade Fan Variable Speed w/o Software
619-591-845	Kit Loader Shuttle C/S 10 Pos
619-592-750	Kit Add-On Cleaner Manual Non-Heated Filter
619-592-752	Kit Add-On Autocleaner Non-Heated Filter
619-592-754	Kit Add-On Monitor Touchscreen Mounted
625-711-693	Kit Assembly Card Furnace Fan Control C/S/CS
625-711-855	Element Filter for 625-711-840

844 SERIES

619-592-150	FI/CI Trap Kit
619-591-454	Bag Vacuum Cloth Permanent
619-591-456	Filter HEPA Vacuum
619-591-622	Bag Vacuum Disposable (5 pk) and Filters (2 pk)
619-591-790	Element Filter for 619-590-485 AF10
619-592-150	Kit Trap Fluorine/Chlorine
619-591-840	Kit Loader Shuttle C/S 60-Pos
619-592-490	Pack O-Ring C/CS/S844
619-591-845	Kit Loader Shuttle C/S 10-Pos
782-880	Filter Vacuum 0.3 Micron
619-593-542	Hose Vacuum
619-592-504	Kit Replacement Vacuum Dust 744/844
619-592-670	Kit Upgrade Fan Variable Speed w/Software
619-592-672	Kit Upgrade Fan Variable Speed SN $\leq$ 3084 w/Card
619-592-674	Kit Upgrade Fan Variable Speed SN $\leq$ 3084 w/o Card
619-593-162	Assembly Cap/Lance Filter Dust Heated Manual
619-593-161	Assembly Cap/Lance Filter Dust Non-Heated Manual
625-711-855	Element Filter for 625-711-840
619-592-895	Kit Cooling Control Upgrade

DH603

259-069UPGR	Software Upgrade
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736 SERIES

625-710-880	Pack O-Ring
625-711-465	Kit Bracket Hood Vent
625-711-470	Kit Add-On Autocleaner O/N/H
625-712-206	Kit Add-On 20-Pos Crucible Shuttle Loader SN $\geq$ 3131
625-711-736	Kit Add-On Carousel Sample 20-Pos
625-712-210	Kit Add-On 20-Pos Crucible Shuttle Loader/ Sample Carousel SN $\geq$ 3131
625-711-855	Replacement Element Filter for 625-711-840
625-711-887	Kit Sound Reduction Vacuum Enclosure
625-711-885	Kit Liquid to Liquid to Dual Cooling Conversion

836 SERIES

625-711-180	Liquid-Liquid Heat Exchanger Add-On Kit
619-591-790	Element Filter for 619-590-485
625-710-880	Pack O-Ring
625-711-729	Kit Upgrade Filter Furnace Disc SN 3044-3279
625-711-855	Replacement Element Filter for 625-711-840
625-711-887	Kit Sound Reduction Vacuum Enclosure
625-711-736	Kit Add-On 20-Pos Sample Only Carousel Loader
625-712-204	Kit Add-On 20-Pos Universal Crucible Only Shuttle Loader SN $\leq$ 3130
625-712-206	Kit Add-On 20-Pos Universal Crucible Only Shuttle Loader SN $\geq$ 3131
625-712-208	Kit Add-On 20-Pos Universal Crucible and Sample Carousel Shuttle Loader SN $\leq$ 3130
625-712-210	Kit Add-On 20-Pos Universal Crucible and Sample Carousel Shuttle Loader SN $\geq$ 3131
625-711-470	Kit Add-On Autocleaner O/N/H
625-711-472	Autocleaner Upgrade Kit, SN $\leq$ 3083
625-712-180	Ar TC Cell Upgrade Kit
625-712-182	Kit Variable Speed Cabinet Fan, SN 3121-3419
625-712-184	Kit Variable Speed Cabinet Fan, SN 3120DN REV G
625-712-186	Kit Variable Speed Cabinet Fan, SN 3120DN REV F

PRINTER KITS

601-480-110	Dot Matrix Printer Kit (USB)
621-453-110	Deskjet Printer Kit

RC612

259-063UPGR	Software Upgrade
620-400-210	Autoloader Add-On Kit
625-507	Incoming Gas Purifier
625-510-622	Autoloader to Manual Conversion

NOTE: Please visit www.lecosoftware.com to download Cornerstone brand software upgrades. A valid Registration ID is required.

LECO Upgrades and Options

HIGH PURITY GAS REGULATORS

633-103-359 In-line Gas Regulator

Oxygen		Inert Gas		Air	
<i>Cylinder Connection</i>	<i>Part Number</i>	<i>Cylinder Connection</i>	<i>Part Number</i>	<i>Cylinder Connection</i>	<i>Part Number</i>
CGA 540	633-103-356	CGA 580	633-103-358	CGA 346	633-103-354
DIN 9	633-103-362	DIN 10	633-103-364	DIN 13	633-103-360

CO ₂		Hydrogen		UHP Inert Gas*	
<i>Cylinder Connection</i>	<i>Part Number</i>	<i>Cylinder Connection</i>	<i>Part Number</i>	<i>Cylinder Connection</i>	<i>Part Number</i>
CGA 320	633-103-355	CGA 350	633-103-357	CGA580	633-103-353
DIN 6	633-103-361	DIN 1	633-103-363	N/A	N/A

*Recommended for RHEN602

NOTE: For additional information, refer to the [Gas Regulator flyer, 209-222](#)

LECO Conversion Kits

CS230 SERIES

621-578	CS230 to CS230CL
621-836	S230 to S230DR
621-837	S230 to CS230
621-838	S230 to CS230CL
621-839	S230 to CS230CH
621-840	S230SH to S230DR
621-841	S230SH to CS230SH
621-842	S230SH to CS230CSH
621-843	C230 to CS230
621-844	C230 to CS230SH
621-845	C230CL to C230CLH
621-846	C230CL to CS230CL
621-847	C230CH to C230CLH
621-848	C230CH to CS230CH
621-849	C230CH to CS230CSH
621-850	CS230 to CS230SH
621-851	CS230CH to CS230CSH
621-852	CS230SH to CS230CSH

CS744 SERIES

619-592-740	C/CS744 to C/CS744-P
619-592-742	S744 to S744-PS
619-592-744	S744-PS to CS744-P
619-592-746	C744 to CS744
619-592-748	S744 to CS744

CS844 SERIES

619-592-912	S844 to CS844
619-592-910	C844 to CS844

DH603 SERIES

625-515	DH603 to DH603D
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ON736 SERIES

625-712-130	N736 to N736-P; ON736 to ON736-P
625-712-132	N736 to ON736; N736-P to ON736-P
625-712-134	N736 to ON736-P
625-712-136-HAZ	O736 to O736-P
625-712-138	O736 to ON736
625-712-140-HAZ	O736 to ON736-P
625-712-142	O736-P to ON736-P

ONH836 SERIES

625-712-102	H836 to ONH836
625-712-104	N836 to ONH836
625-712-106	NH836 to ONH836
625-712-108	O836 to ONH836
625-712-110	OH836 to ONH836
625-712-112	ON836 to ONH836
625-712-114	O836 to ON836
625-712-116	O836 to OH836
625-712-118	N836 to ON836
625-712-120	H836 to OH836
625-712-122	N836 to NH836
625-712-124	H836 to NH836

- Unit must be returned to the LECO Global Support Center for installation
- Unit must be in working order prior to shipment to LECO
- Customer is responsible for shipping charge both to and from LECO
- Conversion kit cost does not include labor
- Conversion process includes Preventive Maintenance service
- Please call 269-985-5497 or contact your local LECO Sales Engineer for more information

Ordering Information/General Terms

Ordering, Customer Assistance, and all Other Inquiries



Order Online NOTE: Available to USA customers only.

- Visit **www.lecodirect.com** to register for an account



Phone

800-292-6141 or
269-985-5496



Email

sales@leco.com
for purchase orders or
pricing information

info@leco.com
for general inquiries



Fax

269-982-8987



Mail

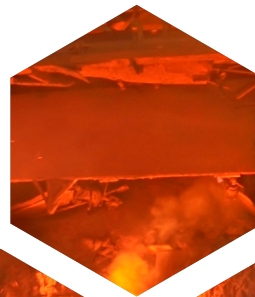
LECO Corporation
3000 Lakeview Avenue
St. Joseph, MI 49085

VISA, Mastercard, and American Express Accepted.



Terms and Conditions

- Terms: Net 30 days with approved credit.
- Prices shown are US dollars, F.O.B. St. Joseph, Michigan.
Freight charges are prepaid and added to the invoice.
- Sales taxes will be added where applicable.
- Returns must be approved in advance; re-stocking fee may be applied.
Return Material Authorization (RMA) is required for all returns. Contact LECO for RMA information.
- Disclaimer: LECO products are intended for use by professional laboratory personnel who are familiar with the handling of these materials. Our products are not for use in household, drug, medical, or cosmetic applications. The buyer and/or user assumes full responsibility for the safe handling, storage, application, and proper disposal of all products ordered from this catalog.
- Complete terms and conditions are included with quotations and invoices.
- **Prices, part numbers, and availability are subject to change without notice.**



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EMPOWERING RESULTS

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