



Crane Aerospace & Electronics

Product Support Team Directory

SENSING & UTILITY SYSTEMS

FLUID MANAGEMENT

LANDING SYSTEMS

CABIN

POWER

MICROWAVE

MICROELECTRONICS



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Last updated: March 29, 2012

Corporate Information

Crane Co.

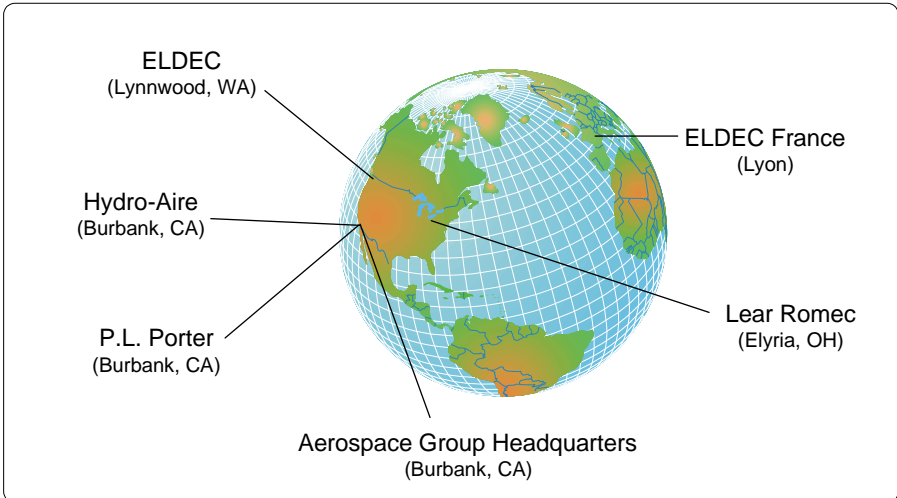
Crane Aerospace & Electronics is a segment of Crane Co., a diversified manufacturer of engineered industrial products with operations worldwide. As part of Crane Co., Crane Aerospace & Electronics has the resources and support of a large company, while being able to maintain the individualized customer service of a smaller company.

Crane Aerospace & Electronics

Crane Aerospace & Electronics brings together industry leaders – **ELDEC, Hydro-Aire, Interpoint, Lear Romec, P.L. Porter, and Signal Technology** – to give you one integrated source for sensing systems, braking systems, electrical power systems and more. You'll find Crane Aerospace & Electronics equipment in some of the toughest aircraft environments, from engines to landing gear. Our products are in use on almost all U.S. and European aircraft where performance under severe conditions is an absolute necessity.

Crane Aerospace & Electronics companies are known for their technical strength, proven product reliability, innovative solutions and overall value. Each company is ISO9000 or AS9100 certified and committed to world-class processes. From application engineering, through design and manufacturing, Crane Aerospace & Electronics offers a comprehensive approach to product specification, design certification and service.

Aerospace Group Headquarters and Subsidiaries



Information herein is subject to change.
Please see our web site for the latest information.

www.craneae.com

Introduction

You can depend on the Aerospace Group of Crane Aerospace & Electronics for in-service support. Our extensive product support program is implemented at facilities worldwide, with a high-caliber staff that is focused on the needs of the airline industry.

All business contracts, spares and repair sales agreements, and field service needs are managed through the Aerospace Group's Product Support team. Your representatives for each of the company product lines are provided in this guidebook.

Long-term support agreements, exchange programs, and spares leasing are provided as a normal course of product support. We strive for custom, value-added support programs that make us faster and easier to do business with.

Our Organization

The Product Support organization coordinates overall technical support and business activity with airlines and other aftermarket customers. We offer a range of customized support services for the operators of Business, Regional, Transport and Cargo aircraft.

Our goals are to:

- Achieve 100% ontime repair turnaround time to our promised date
- Meet or exceed industry standards for responsiveness
- Meet terms of OEM product support agreements
- Provide proactive field applications engineering services
- Deliver World Class repair services, spares sales, retrofit and upgrade marketing services, to enhance the value of products to its customers
- Deliver high quality and timely technical publications

The Director of the Aerospace Group Customer Support is Brian Barrett.



Director, Customer Service

Brian Barrett

Office: 818.526.5739

Fax: 818.842.6117

brian.barrett@craneaerospace.com

Product Support

Aviation Conference Participation

Aerospace Group Product Support representatives support all ATA and General Aviation Maintenance/Operator Conferences. We feel this direct participation is vital for a company that seeks to do our best to assist our customers in the prevention and rapid resolution of operational and maintenance problems.

Product Improvement

The knowledge gained through customer visitation, maintenance conference attendance, and in-house evaluation of returned products enables the Aerospace Group to identify areas where product improvement is necessary.

Our Products

Crane Aerospace & Electronics products on which we provide technical support are:

- Airweighs
- Battery Chargers
- Brake Controls
- Electrical Power Management and Distribution
- Engine Diagnostic System
- Fuel Boost Pumps
- Fuel Transfer Pumps
- Fuel Flow Transmitters
- Fuel Flow Electronics Units
- Fuel Flow Indicators
- Fuel Gauging Systems
- Fuel Jettison Pumps
- Hand Pumps and Check Valves
- Hydraulics
- Inverters
- Light Dimmers
- Lube and Scavenge Pumps
- Pressure Sensors
- Proximity Sensing Electronics Units
- Proximity Sensors
- Proximity Switches
- Seat Electrical Actuation Systems
- Seat Position Controls
- Tire Pressure Monitoring (SmartStem)
- Transformer Rectifier Units

AOG Requests

Crane Aerospace & Electronics will advise action taken, respond within 4 hours of request, or respond as required per contractual agreements.

For 24-hour a day AOG support, call the numbers listed below:

Site	CAGE	Business Hours	After Hours	SITA/ ARINC
ELDEC	08748	425.743.8100	425.743.8100	SEAECCR
ELDEC France	F9763	U.S.: 732.494.1011 Other: 33.01.49.75.45.69 or 73	U.S.: 732.494.1011 Other: 33.01.49.75.45.69	-
Hydro-Aire	81982	818.526.2500	818.526.2600	BURHYXD
Lear Romec	51663	440.323.3211	440.323.3211	CLELRXD
P.L. Porter	02953	818.526.2500	818.526.2600	VNYOOXD

Please have the following information available for an AOG request:

- Name
- Company
- Phone and Fax Numbers
- City, State, Country
- Aircraft Tail Number
- CAGE Code on the Product
- Part Number
- New order or warranty/repair?
- Part is already at our site or on its way?
- PO Number
- Ship To Address
- Preferred Carrier, and authorization for alternative express shipping
- If new order – Quantity and Date required
- Is FAA 8130 tag required?
- If warranty and repair – Serial Number, Date shipped and How (air waybill and carrier if known)

Technical Assistance

Overview

The Aerospace Group Field Applications Engineers provide customer technical assistance for all products. These engineers maintain close communications with the airlines and OEMs to promote a high degree of customer satisfaction.

Applications Engineers systematically support airlines, worldwide, through the following services:

- Technical Visits
- Operator Conferences
- Industry Conferences
- Answers to customer-specific technical requests
- Scheduled Training Sessions

Our goal is to resolve any technical inquiries within 14 days or less.

Submit Technical Inquiries Online

Crane Aerospace & Electronics offers an internet resource to our airline and OEM customers, to assist in the support of our products. With SupportWeb, you can search for information that may answer your question, submit technical questions, review what you have submitted, and view the answers from our field applications engineers. This interactive question-and-answer tracking tool is for use by airline maintenance personnel that need assistance from our field applications engineers.



SupportWeb is at

www.cranae.com/CustomerService/CustomerService.aspx

Field Service Contacts

Our contacts for technical issues are shown below.

ELDEC



Nancy Merrill
425.743-8272
nancy.merrill@
cranaerospace.com

ELDEC



Priyanka Srivastava
425.743.8474
priyanka.srivastava@
cranaerospace.com

Hydro-Aire



Brian Ramsey
818.526.2495
brian.ramsey@
cranaerospace.com

Field Service Contacts (Con't)

Hydro-Aire



Jeremy Sturdy
818.526.5714
jeremy.sturdy@
craneaerospace.com

Lear Romec



Doug Wright
440.326.5591
doug.wright@
craneaerospace.com

PL Porter



John Desmone
440.284.5479
john.desmone@
craneaerospace.com

PL Porter



David Allison
818.450.4365
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PL Porter



Colin Cooper
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PL Porter



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PL Porter



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PL Porter



Nordin Hashim
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nordin.hashim@
craneaerospace.com

PL Porter



Hamid Sultan
971.50.734.4915
hamid.sultan@
craneaerospace.com

Wichita Regional Center



Cory Mauck
316.522.0099, ext 19
cory.mauck@
craneaerospace.com

Spare Parts Sales

Overview

Crane Aerospace & Electronics is dedicated to assuring the accuracy and timely delivery of every order. With highly trained and skilled Customer Account Specialists, we ensure personal, consistent service. We are committed to being the industry leader in customer service.

Spare Parts Price Catalog (for Airlines)

Our Spare Parts Price Catalog is available online to authorized airlines and OEM customers. To request login credentials, please submit a registration form at www.craneae.com/Catalog.

Spares Information Online (iStore)

The Crane Aerospace & Electronics web sites allow our customers to place Requests for Quotes, place orders for spare parts, check order status, and check price and availability. Please register at www.craneae.com/Catalog for access to iStore.

Purchasing Spare Parts

Spare parts may be purchased online, by telephone (written confirmation is required), fax, SPEC2000, email, or letter. Purchase Orders should specify the PO number, part number, nomenclature, quantity, requested ship date, ship to address, billing address, method of shipment and price, if available. Requests for FAA 8130 tags must be received with the PO; other requirements may apply. PO acknowledgments are only sent where an exception is taken to the part number, delivery date, price or any other area of difference.

Requests for Quotes, Price & Availability

Upon request, Crane Aerospace & Electronics will provide price and availability quotations for spare parts not listed in the spare parts catalogs. Crane Aerospace & Electronics will respond to customer requests for price and delivery quotations within five business days. If required, quotations will be provided on an expedited basis; please note "Expedite" on your incoming request to assure priority status.

Provisioning Inventory

Crane Aerospace & Electronics maintains provisioning inventory in support of field spare parts requirements, as well as for its own internal repair and overhaul facilities. This provisioning inventory includes detail component parts, new end item assemblies and some overhauled exchange assemblies. In addition, Provisioning support has access to production stock when required.

Priority Orders

For an airline or operator that requires parts in less than normal re-order lead times, we will advise action taken on priority orders as follows:

Expedite

Part(s) required in less than normal lead timewithin 7 days

Critical

Imminent AOG or shop work stoppage.....within 24 hours

AOG

Aircraft grounded by part(s) requirementswithin 4 hours

Note: Items required for a grounded aircraft will have an AOG label affixed to the shipping container to facilitate immediate location in your receiving area.

Spare Parts Sales Contacts

ELDEC

Tel: 425.743.8307

Fax: 425.787.1426

16700 13th Ave West

Lynnwood, WA 98046

Crane-Eldec.Spares@CraneAerospace.com

Hydro-Aire, PL Porter

Commercial Spares Team

3000 Winona Avenue

Burbank, CA 91510

CommSpares@craneaerospace.com

Domestic Customers (within U.S.)

Telephone: 888.236.5165

Fax: 888.236.5166

International Customers

Telephone: 818.526.2500

Fax: 818.526.2658

Lear Romec

241 South Abbe Rd.

Elyria, OH 44035

Telephone: 440.323.3211

Fax: 440.284.0221

craneelyriaspares@craneaerospace.com

ELDEC France Products

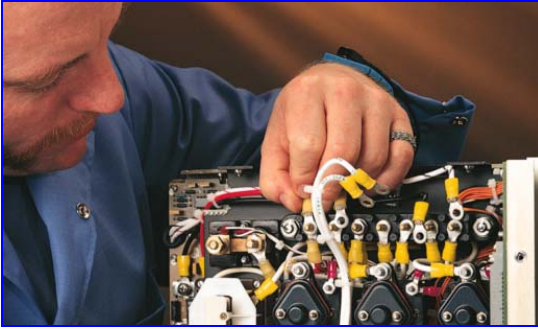
Patricia Mouchonnat

Telephone: 33.4.7826.1010

Fax: 33.4.7237.7230

patricia.jouvenceau@craneaerospace.com.fr

Repair and Overhaul



Each Crane Aerospace & Electronics site has an on-site repair station where all products designed and manufactured by that site can be repaired, overhauled or upgraded. The Repair Station certification numbers are listed below.

Site	FAA	EASA	CAAC
ELDEC Lynnwood	AG4RO49M	EASA.145.5067	CCAR 145 component maintenance: F5363
Hydro-Aire/ PL Porter Burbank	QD3R785L	EASA.145.4560	-
Lear Romec Elyria	C7CR238J	EASA.145.4357	-

Additional information about the Repair Stations is listed below:

- FAA form 8130-3, equal to JAA Form One, provided as required
- Failure Analysis and trending data kept on record and reviewed regularly
- Calibration Certifications Traceable to N.I.S.T.

Crane Aerospace & Electronics strives to offer the most competitive and professional repair services. We welcome inquiries for long-term repair agreements (see page 12).

Crane Aerospace & Electronics repair stations strive to achieve 100% on-time shipment to our promised date.

United States

ELDEC products	Lynnwood, Washington, near Seattle
Hydro-Aire products	Burbank California, near Los Angeles
Lear Romec products	Elyria Ohio, near Cleveland
P.L. Porter Products	Burbank California, near Los Angeles

International Repair Facilities

Bron France, near Lyon France

ELDEC France has developed repair capabilities for some of the products manufactured by U.S.-based Crane Aerospace & Electronics companies. Please contact ELDEC France for an updated list of capabilities.

Authorized Repair Centers

Fuel Pumps, Engine Fuel Flowmeters, Brake Control Wheel Speed Transducers and Control Valves:

Guangzhou Aircraft Maintenance Engineering Co., Ltd (GAMECO)

Heng Shi Road, North Area
Baiyun International Airport
Guangzhou 510470
P.R. China

Contact:
wulf@gameco.com.cn
86.20.86.12.10.35

ELDEC Fuel Flow products:

Paris France

EADS SECA
1 boulevard du 19 Mars 1962
BP 50064
F-95503 Gonesse Cedex

Contact:
jean.paris@seca.eads.net
33.1.30.18.54.12
33.1.30.18.54.90

Repair Charges

Standard Repair Charges

Crane Aerospace & Electronics uses a flat fee standard repair charge and test-recertification charge for many Crane Aerospace & Electronics products. This flat fee will be quoted via fax upon receipt of the repair item at Crane Aerospace & Electronics. Please provide authorization to proceed as soon as possible to minimize turn times. Our on-time delivery does not include customer approval time.

- Parts returned to Crane Aerospace & Electronics without purchase order coverage will be held for 30 days, and may be returned at customer expense, if no purchase order is received.
- Crane Aerospace & Electronics will notify you that certain non-repairable products are candidates to be scrapped. If written response to this notification is not received within 30 days, Crane Aerospace & Electronics may elect to scrap the product.

Repair Agreements

Crane Aerospace & Electronics promotes the use of long-term negotiated pricing, thereby eliminating the need for repair price quotation and customer authorization on every action. Contact your repair and overhaul administrator for more information.

Charges for Modifications

Crane Aerospace & Electronics quotes modifications as follows:

- Turn-around times on program modifications are established in advance through the airframe manufacturer.
- Turn-around time on minor optional modifications is subject to part availability. Call for details.
- Purchase orders for cost of chargeable modification must be provided with hardware to be modified.
- The unit to be returned for modification must be a serviceable unit. Separate charges will be accrued to bring the unit to a serviceable condition that meets Crane Aerospace & Electronics specifications before performing the modification.

Repair and Overhaul Customer Service

Repair and Overhaul Administration Contacts

Our Repair and Overhaul Customer Service Representatives are listed below or on the pages that follow.

ELDEC



William McManus

425.743.8151
william.mcmanus@
craneaerospace.com

ELDEC



Kelly Dickey

425.743.8622
kelly.dickey@
craneaerospace.com

ELDEC



Tammy Harrington

425.743.8466
tammy.harrington@
craneaerospace.com

ELDEC



Margaret Vincent

425.743.8156
margaret.vincent@
craneaerospace.com

ELDEC Repair and Overhaul
Phone: 425.743.8255
Fax: 425.787.4223
eldecrepairadmin@craneaerospace.com

Repair and Overhaul Customer Service

Repair and Overhaul Administration Contacts

Hydro-Aire



Cesar Ascencio
818.526.2276
Fax: 818.526.2560
cesar.ascencio@
craneaerospace.com

Hydro-Aire



Sylvia Ascencio
818.526.2286
Fax: 818.526.2560
sylvia.ascencio@
craneaerospace.com

Hydro-Aire



Maria Avalos
818.526.2672
Fax: 818.526.2560
maria.avalos@
craneaerospace.com

Hydro-Aire



Carolyn Frost
818.526.2286
Fax: 818.526.2560
carolyn.frost@
craneaerospace.com

Hydro-Aire



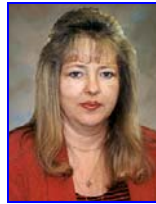
Anthony Noriega
818.526.2458
Fax: 818.526.2560
anthony.noriega@
craneaerospace.com

Hydro-Aire



Maurice Stephens
818.526.2605
Fax: 818.847.2917
maurice.stephens@
craneaerospace.com

Lear Romec



Maryann Chambers
440.284.5477
Fax: 440.323.5185
maryann.chambers@
craneaerospace.com

Lear Romec



Connie Sanders
440.284.5484
Fax: 440.323.5185
connie.sanders@
craneaerospace.com

Aftermarket Sales
Phone: 818.526.2500
commspares@craneaerospace.com

Repair and Overhaul Customer Service

Repair and Overhaul Management

Lynnwood (ELDEC)



Steve Peterson

Aftermarket Value Stream Manager
425.743.8403
steve.peterson@
craneaerospace.com

Burbank (Hydro-Aire, PL Porter)



Nancy Pinkston

Aftermarket Value Stream Manager
818.526.2586
nancy.pinkston@
craneaerospace.com

Lear Romec



Roxanne Sedlak

Aftermarket Value Stream Manager
440.326.5522
roxanne.sedlak@
craneaerospace.com

Group Vice President – Aftermarket Services



Brian Barrett

818.526.5739
brian.barrett@
craneaerospace.com

Product Returns

General

To assist Crane Aerospace & Electronics in processing your returns, all returned goods should include paperwork that clearly indicates:

- Reason for return, including PIREPs (where applicable)
- Repair purchase order number
- Correspondence reference numbers
- The unit is a warranty or repair return
- Time Since Overhaul and Time Since New

Crane Aerospace & Electronics reserves the right to refuse any returned parts that:

- Do not have a Return Material Authorization (RMA) (Hydro-Air parts only)
- Do not include bill of lading, original packaging and documents
- Are received after 30 days from original invoice date

Return Material Authorization (RMA)

When returning a part for credit or repair, please see our web site for an RMA form, or call us for an RMA number to ensure prompt and efficient handling of your returned item (Hydro-Aire parts only).

Warranty Returns

The return of parts that do not conform to specification during the warranty period should:

- Identify the reason for rejection
- Be returned via standard freight
- Identify the aircraft fuselage or tail number, the make, and the flying time (time since new) on the part(s)

Parts Not Under Warranty

The return of parts for repair, overhaul, modification or testing should include a repair purchase order and identify the reason for return. A copy of the repair purchase order should accompany the shipment.

Turn-around Time

Scheduled turn-around time is 14 calendar days (or less) for avionics and 28 days (or less) for mechanical products, or as negotiated with the customer. The TAT time is based on the later of:

- Date of receipt of hardware, or
- Date that authorization to proceed is received (TAT does not include time for customer approval)

Purchased Part Returns

Parts purchased from Crane Aerospace & Electronics may be returned within 30 days for any of the following reasons:

- Overshipments—Quantity of parts received is in excess of quantity specified on the purchase order
- Wrong Part Number—Receipt of parts different from those specified on the purchase order (when Crane Aerospace & Electronics has not notified the customer in writing that the part received is a substitute replacement for the ordered part)

ELDEC Products

Repairs

Attn: Warranty and Repair
Crane Aerospace & Electronics
ELDEC Corporation
16700 13th Avenue West
Lynnwood, WA 98046-9727

International returns that must
clear customs:

Airport of Destination: SEA
Customs Broker:
UPS Supply Chain Solutions
Auburn, WA USA 98001
Phone: 253.872.4310

General

Crane Aerospace & Electronics
ELDEC Corporation
16700 13th Avenue West
P.O. Box 97027
Lynnwood, WA 98046-9727

Crane Aerospace & Electronics
ELDEC France
18, Rue du 35ième
Régiment d'Aviation
69500 BRON
France

Hydro-Aire Products

Repairs

Attn: Repair Dept.
Crane Aerospace & Electronics
Hydro-Aire, Inc.
3000 Winona Avenue
Burbank, CA 91504

General

Crane Aerospace & Electronics
Hydro-Aire, Inc.
P.O. Box 7722
3000 Winona Avenue
Burbank, CA 91510-7722

Lear Romec Products

Repairs

Attn: Warranty and Repair
Crane Aerospace & Electronics
Lear Romec
241 South Abbe Road
Elyria, Ohio 44035

General

Crane Aerospace & Electronics
Lear Romec
P.O. Box 4014
Elyria, Ohio 44036

P.L. Porter Products

Repairs

Attn: Repairs Department
Crane Aerospace & Electronics
P.L. Porter
3000 Winona Avenue
Burbank, CA 91504

General

Crane Aerospace & Electronics
P.L. Porter
P.O. Box 7722
3000 Winona Avenue
Burbank, CA 91510-7722

Technical Publications

Overview

The Technical Publications group writes and distributes Component Maintenance Manuals and other related technical documentation. The group consists of highly skilled technical writers using the latest in computerized document-processing hardware and software. The Technical Publications group also publishes Provisioning files, Service Bulletins and Service Letters.

Publications Index

A list of the current revisions of all technical manuals is provided to approved airline operators at no charge. This index is available for purchase by other approved customers. For more information, see our web site or contact our distribution coordinators at the numbers below.

Ordering Publications

Crane Aerospace & Electronics distributes Component Maintenance Manuals, Service Bulletins and Service Letters to approved airline operators at no charge. These publications are available for purchase by other approved customers. To order, please see the applicable web site or contact the distribution coordinators at the numbers below.

ELDEC and P.L. Porter



Linda Monzel
425.743.8662
Fax: 425.743.8113
linda.monzel@
craneaerospace.com

Hydro-Aire



Terri Cobal
818.526.2559
Fax: 818.842.6117
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Lear Romec



Dave Stillwell
440.284.5493
Fax: 440.322.3378
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craneaerospace.com

Tech Pubs Manager



Bill Heth
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bill.heth@
craneaerospace.com

Overview

Crane Aerospace & Electronics provides shop and line level training for all products; both in-house and field training programs are available. All training includes theory, operation, servicing, troubleshooting, and maintenance of our products. Training programs use video, graphic aids, and handbooks, coupled with hands-on experience. Training is generally conducted at the manufacturing sites, where the full facilities of engineering and manufacturing are available to the trainees.

Training at our facilities is generally free of charge, whereas field training on-site can be arranged (please contact us for terms and conditions).

Training programs are typically customized for each customer, and include:

- Planning
- Operation
- Repair and Overhaul
- Reference Material
- Applicable Component Maintenance Manuals
- Other Technical Data
- Special Support Equipment Information

Requests for Training

To arrange for product training, please contact the applicable site below:

Site	Contact	Telephone/ email
ELDEC	Nancy Merrill	425-743-8272 nancy.merrill@craneaerospace.com
Hydro-Aire	Brian Ramsey	818.526.2495 brian.ramsey@craneaerospace.com
Lear Romec	Doug Wright	440.326.5591 doug.wright@craneaerospace.com
P.L. Porter	Elias Shamos	818.526.2425 elias.shamos@craneaerospace.com

Product Support Business Management

Product Support Managers

ELDEC
Product Support Manager
Flight Safety & FDR Analysis



Greg Jones
425.743-8473
gregory.jones@
craneaerospace.com

Lear Romec
Product Support Manager



Jim Nolish
440.284.5431
jim.nolish@
craneaerospace.com

PL Porter
Product Support Manager



Elias Shamos
818.526.2425
elias.shamos@
craneaerospace.com

ELDEC France



David Perret
33.4.7826.1010
Fax: 33.4.7237.7230
david.perret@
craneaerospace.com.fr

The Crane Aerospace & Electronics Wichita Regional Center (WRC) provides local engineering and product support located in Wichita, Kansas.

Crane Aerospace & Electronics has equipped the WRC with assets that support the design and development of brake control systems, including equipment to modify, test, and support aircraft systems. The WRC engineering team includes solution engineers well versed in simulation for the business jet market. Locating these resources in Wichita enables key customers to work side by side with Crane Aerospace & Electronics engineers to drive customer requirements into the design.

The WRC provides excellent product support, including product installation, component functional test, system functional test, flight test, end customer delivery, and field reliability. If a product does not meet customer expectations, the WRC Product Support Group formulates resolutions by acting as the liaison between Crane Aerospace & Electronics and the customer.

The Wichita Regional Center has instant on-line access to key information, such as drawings and manufacturing data, from all of the Crane Aerospace & Electronics business units.

Voice of the Customer

Crane Aerospace & Electronics brand promise is to be a respected, innovative Aerospace Company worthy of our heritage, employees, customers and share holders.

Our on-going mission is to improve our Excellence in Execution, ensure we invest in the right new programs to support the shape and growth of the Aerospace industry and meet our customer's needs.

Our intention is to be in a position of clarity to allow us to adapt early to the market changes, and most importantly continue to bring value and satisfaction to our customers

Our mission will be realized through core values – and doing things the “Crane Way” where respect, trust, transparency and teamwork are a given.

It is our goal to be “your first choice partner for the provision of reliable Aerospace Products and Solutions worldwide.”

Therefore, we are particularly interested to find out how we are serving your organization and supporting your business needs, so that we can improve wherever possible.

In order to do this we have a VOC Team led by **Susan Miller, Director of Marketing.**

You can find the Link to Crane Aerospace & Electronics' Online survey at www.craneae.com/ContactUs/VoiceOfCustomer.aspx or at the www.craneae.com Home page under “Your feedback is import to us. Tell Us How We Are Doing.”

Thank you from Crane Aerospace & Electronics!



Susan Miller
425.743.8317
susan.miller@
craneaerospace.com

Web Sites

Crane Aerospace & Electronics is committed to providing new communications channels with our customers. Our web sites use the latest internet technology to give our customers access to:

- Order Status (Spares and Repairs)
- Order Placement
- Product Support/Customer Service
- Repair & Overhaul Returns

For more information and links to the specific site's eCommerce pages, go to www.craneae.com/CS.

SupportWeb is another internet resource for our airline and OEM customers. With SupportWeb, you can search for technical information, submit technical questions, review what you have submitted, and view the answers from our field applications engineers. For more information, go to www.craneae.com/SupportWeb.

Electronic Data Interchange

Crane Aerospace & Electronics uses EDI systems in Spec2000, X.12 and EDIFACT protocols. Our SITA/ARINC information is shown below:

Site	CAGE	SITA/ ARINC
ELDEC	08748	SEAECCR
Hydro-Aire	81982	BURHYXD
Lear Romec	51663	CLELRXD
PL Porter	02953	VNYOOXD

eBusiness Contact

For additional information about our eBusiness initiatives, please contact:

eBusiness Leader



Al Miller

425.743.8482

al.miller@

craneaerospace.com

Warranty

General

Crane Aerospace & Electronics warrants that all articles furnished, repaired, modified, or overhauled will conform to the applicable specifications and drawings, and be free from defects in material and workmanship. The obligation of Crane Aerospace & Electronics under this warranty, however, is limited to repairing or, at our option, replacing any articles or parts that are returned, transportation prepaid to the factory by the Customer, subject to the provisions of the applicable program warranties.

Crane Aerospace & Electronics supports aircraft operators with spares and technical support as specified in the OEM Product Support Agreements. Crane Aerospace & Electronics makes every effort to support all of its products for as long as the products remain in commercial revenue air service.

Crane Aerospace & Electronics Warranty Reimbursement Program allows customers to make repairs, corrections and modifications to Crane Aerospace & Electronics equipment during the Warranty Period in situations where the return of the product to a Crane Aerospace & Electronics authorized repair center is not feasible. Reimbursement will not be made to second or third party facilities.

A customer claim for reimbursement must be submitted to Crane Aerospace & Electronics within 90 days of completing repair or approved modification. Parts removed under warranty must be held for 60 days for optional inspection and quality audit by Crane Aerospace & Electronics.

For further information on warranties, please contact your appropriate Repair and Overhaul Customer Service representative.

Non-Liability

Crane Aerospace & Electronics Corporation is not liable for defects or failures because of negligence, unauthorized repair, malfunctions or failure, when the operating, maintenance or overhaul manual or related instructions have not been followed.

Please see your individual Repair and Overhaul Administrator for details.

Key Contacts Summary

AOG Requests

ELDEC.....	425.743.8100
ELDEC France	
U.S. Customers.....	732.494.1011
Other Customers.....	33.1.4975.4573
Hydro-Aire	
Business Hours.....	818.526.2500
After Hours.....	818.526.2600
Lear Romec	
Business Hours.....	440.323.3211
After hours.....	440.323.3211
PL Porter	
Business Hours.....	818.526.2500
After Hours.....	818.526.2600
Flight Safety Investigations	
ELDEC:	
Greg Jones.....	425.743.8473
Hydro-Aire:	
Brian Ramsey.....	818.526.2495
Lear Romec:	
Doug Wright.....	440.326.5591

Product Support Director

Brian Barrett.....	818.526.5739
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Product Support Business Management

Product Support Managers	
Greg Jones.....	425.743-8473
Elias Shamos.....	818.526.2425
Jim Nolish.....	440.284.5431
David Perret.....	33.4.7826.7230

Repair and Overhaul Customer Service

Repair and Overhaul Management	
Steve Peterson.....	425.743.8403
Nancy Pinkston.....	818.526.2586
Roxanne Sedlak.....	440.326.5522
Group VP – Aftermarket Services	
Brian Barrett.....	818.526.5739
ELDEC Team:	
William McManus.....	425.743.8151
Kelly Dickey.....	425.743.8622
Tammy Harrington.....	425.743.8466
Margaret Vincent.....	425.743.8156
Hydro-Aire:	
Cesar Ascencio.....	818.526.2276
Sylvia Ascencio.....	818.526.2286
Maria Avalos.....	818.526.2690
Carolyn Frost.....	818.526.2286
Anthony Noriega.....	818.526.2458
Maurice Stephens.....	818.526.2605
Lear Romec:	
Maryann Chambers.....	440.284.5477
Connie Sanders.....	440.284.5484

Spare Parts Sales

ELDEC	
.....	425.743.8307
Hydro-Aire, PL Porter	
.....	888.236.5165 or 818.526.2500
Lear Romec	
.....	440.323.3211
ELDEC France Products	
Patricia Mouchonnat.....	33.4.7826.1010

Key Contacts Summary

Technical Assistance

ELDEC:
Nancy Merrill425-743-8272

Hydro-Aire:
Brian Ramsey818.526.2495

Lear Romec:
Doug Wright440.326.5591
John Desmones440.284.5479

P.L. Porter:
David Allison 818.450.4365
Colin Cooper440.117.9564262
Christian Strecker +1.49.6093.994660
David McClean44.7899.918.407
Elias Shamos818.526.2425
Hamid Sultan971.50.734.4915
Nordim Hashim +65.96512545

Technical Publications

ELDEC and P.L. Porter:
Linda Monzel425.743.8662

Hydro-Aire:
Terri Cobal818.526.2559

Lear Romec:
Dave Stillwell440.284.5493

Technical Publications Manager:
Bill Heth425.743.8527

Wichita Regional Center

Cory Mauck 316.522.0099, ext 19
Facsimile316.522.0231

