

When performance and reliability are essential, you need DeoxIT® products!

DeoxIT® D-Series

Get to know CAIG Labs extraordinary DeoxIT® D-Series products!



Essential Guide

Companies utilize the benefits of DeoxIT® in Manufacturing, Assembly, Maintenance and Service.

- WHICH DeoxIT® To Use?
- WHY Do I Need DeoxIT®?
- WHY is DeoxIT® Different?
- WHERE Do I Use DeoxIT®?
- DeoxIT® Advantages!
- WHY DeoxIT® For Manufacturing?
- WHY DeoxIT® For Assembly?
- WHY DeoxIT® For Service/Maintenance?



BULLETIN: C-DEG-24010
Link: caig.com/help-learn/

● DeoxIT® D-Series - More than a Contact Cleaner!

Industrial manufacturing and atmospheric contamination causes poor performance, intermittent signals and in some cases, total device failure.

Problem with contact cleaners:

- ✗ Solvents flush away surface contamination but do not solve the problem
- ✗ Cannot remove/lift off oxides, sulfides and other contaminants, the major cause of decreased performance and failures
- ✗ Do not improve conductivity
- ✗ Most are not safe on plastics
- ✗ High waste, less eco-friendly

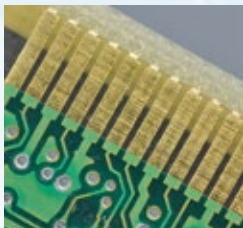
DeoxIT® Solutions:

- + Do not require solvents
- + Active ingredients quickly removes surface contamination (oxides and sulfides) without harm to metals and plastics
- + Increases conductivity (without causing shorts)
- + Addresses supplier cleaning issues
- + Seals & protects surfaces
- + Actively displaces moisture & contaminants
- + No waste - safer for the environment
- + Works, when others do not!

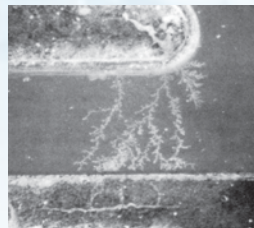
Bottom Line - DeoxIT®, Guaranteed to Improve the Performance & Reliability of ALL Equipment & Parts!



Corrosion you **CAN** see



Connections **APPEAR** clean (even after using generic contact cleaners or alcohol)



Corrosion you **CAN'T** see (what lies beneath)

DeoxIT® D-Series - *More than a Contact Cleaner!*

● ***WHICH To Use?***

DeoxIT® D-Series is a general purpose treatment, for all metal surfaces with oxidation and corrosion. Unless connectors is new, oxidation has already started to form on metal surfaces. If there is discoloration of the metal (visual signs of oxidation/corrosion) - it is considered very oxidized. Use DeoxIT® D-Series to remove contamination, improve the connection while lubricating and protecting the surfaces.

For reference, DeoxIT® D-Series has approximately 20% deoxidizing action.

NOTE: For plated surfaces (gold and other precious metals) or severe environments refer to the DeoxIT® Gold G-Series and DeoxIT® Shield S-Series, respectively.

● ***WHY Do I Need DeoxIT® ?***

Ever wonder why electronic or electrical devices have glitches, intermittents or data errors, or wonder how I/we can prevent this from happening?

Well, most of the time it is caused by ONE of the thousands of metal connections in the system or device. All electronic connections deteriorate which causes reduced performance or perhaps total failure.

SOLUTION:

DeoxIT® D-Series contact/connector treatment removes contaminants and oxidation, improves conductivity, while lubricating and protecting the metal surfaces.

DeoxIT® D-Series - More than a Contact Cleaner!

● **WHY is DeoxIT® Different?**

Simple contact “cleaners” wash away dirt, dust, and grime, but prove ineffective at removing oxidation and surface sulfides. These tough contaminants actually attach to and become an integral part of the contact metal. This issue causes increased unnecessary service calls for covered warranty repairs that could have been prevented, translating into literally millions of dollars of lost revenue for service organizations.

The only true method of eliminating oxidation, surface sulfides and lifting off contaminants is by chemical action and reaction without harming sensitive materials. This is one aspect separating DeoxIT® from other products, putting it in a class by itself.

● **WHERE Do I Use DeoxIT®?**

- ✓ RCA Jacks & Plugs, Switches
- ✓ Relays, Disconnects
- ✓ HDMI, Composite Video, DVI, VGA
- ✓ XLR, MIDI, Banana, Molex, Power Cords
- ✓ Ethernet, Coax, BNC
- ✓ USB, FireWire, Lightning, Thunderbolt
- ✓ DIMMS, Sockets, Edge Connectors
- ✓ PCI/PCIe I/O Cards, RS232, SATA-IDE
- ✓ All Equipment Interconnects
- ✓ Test Equipment, Probes & Sockets
- ✓ Light Bulbs & Sockets
- ✓ Batteries and Chargers

DeoxIT® D-Series - More than a Contact Cleaner!

• DeoxIT® Advantages!

- ✓ Improves Conductivity
- ✓ Deoxidizes, Lubricates & Protects
- ✓ Reduces Intermittent Connections
- ✓ Prevents Dendrite & Fretting Corrosion
- ✓ Reduces Arcing & RFI
- ✓ Reduces Wear & Abrasion
- ✓ Temperature* Range,
-34°C (-29°F) to +200°C (392°F)

- ✓ Under vibration DeoxIT® continues to work
- seals and re-seals surfaces
- ✓ Unlike other products,
Does NOT require solvents
- ✓ Works when others do not
- ✓ Long-Lasting and will not dry out

• WHY DeoxIT® for MANUFACTURING!

Many raw materials and components are produced around the world. Quality control from multiple sources becomes very difficult to manage and verify prior to assembly, test, package and shipment to the end customer. Using DeoxIT® in the manufacturing process can help ensure component integrity when assembly begins to the final product.

- ✓ Improves part performance
- ✓ Maintains part specifications and integrity
- ✓ Addresses supplier cleaning issues
- ✓ Protects metal surfaces in transit
- ✓ Protects surfaces in storage
before assembly

* NOTE: Temperature ranges may vary depending on conditions. On critical applications, independent testing is highly recommended.

DeoxIT® D-Series - More than a Contact Cleaner!

• **WHY DeoxIT® for ASSEMBLY!**

When parts and devices are manufactured in remote locations, it is almost impossible to ensure the connections are clean and ready for equipment assembly. Once ready for assembly, DeoxIT® is instrumental in final cleaning, protecting and ensuring product performance and integrity.

- ✓ Insures that metal connections are **OXIDE FREE, SEALED and PROTECTED**
- ✓ Lubricates & protects surface during assembly and test
- ✓ Improves connection performance
- ✓ Protects integrity & reliability of equipment
- ✓ Long-lasting and safe to use

• **WHY DeoxIT® for SERVICE/MAINTENANCE!**

Over time all electronic connections deteriorate which can cause reduced performance or perhaps total failure. If only one of the thousand connectors in a system becomes intermittent or fails, then the equipment will cause errors, misreadings, noise, distortion, reboots, non starts or total failure.

- ✓ Brings systems back to life!
- ✓ Rejuvenates part/equipment back to original specifications
- ✓ Restores reliability & dependability
- ✓ Reduces equipment downtime, especially on warranted equipment
- ✓ Save costly repairs or replacement

DeoxIT® D-Series - More than a Contact Cleaner!

• Many Applicators to Choose From!



#D55-6
5% DeoxIT® Solution

- Flushing Action
- Slow evaporating solvent

- LMH Valve



#DN55-6N
5% DeoxIT® Solution

- Quick Dry / Non-Drip
- Fast evaporating solvent
- Non-flammable
- Perfect-Straw™



#DN55-2N
5% DeoxIT® Solution

- Quick Dry / Non-Drip
- LMH Valve
- Non-flammable
- Retail package



#D100S-2
100% DeoxIT® Solution

- 100% DeoxIT®
- Metered one-shot valve
- No solvents
- Non-flammable



#D100L-2DB
Brush Applicator
- 100% DeoxIT®
- Non-flammable



#D100L-25C
Precision Needle
Dispenser
- 100% DeoxIT®
- Non-flammable

DeoxIT® D-Series - More than a Contact Cleaner!



#K-D1W-25 / K-D1W-50

DeoxIT® Individual WIPES

- 100% DeoxIT®
- Synthetic cloth
- Non-flammable



#D50W / D50FW

DeoxIT® WIPES (1.75" sq)

- 100% DeoxIT®
- Non-flammable
- STD & Clean Room



#D100W-3X3 / D100FW-3X3

DeoxIT® WIPES (3.0" sq)

- 100% DeoxIT®
- Non-flammable
- STD & Clean Room



#D100L-SWP10

Pre-Saturated
Foam Swabs

- 100% DeoxIT®
- Non-flammable



#D100L-16BX

(brush, 1.6 mL)



#D100L-2C

(tube, 2.0 mL)

GREAT OEM Solutions

- 100% DeoxIT®
- Brush or Squeeze tube
- Non-flammable

DeoxIT® D-Series - More than a Contact Cleaner!



#D100P DeoxIT® PEN

- 100% DeoxIT® - Replaceable tips - Non-flammable



#D100L-P6C DeoxIT® Oiler

- 100% DeoxIT® - Non-flammable



BULK SIZES
Standard 5% and 100%
DeoxIT® Solution
- Custom % available

944 mL
5 gal
55 gal



• Important DeoxIT® Take-Aways!

- ✓ DeoxIT® is Unique – *It improves the performance & reliability of ALL equipment, Guaranteed!*
- ✓ Use DeoxIT® anywhere metal conducts electricity - *Virtually unlimited applications in all industries!*
- ✓ Safe to Use & Excellent Materials Compatibility!
- ✓ Economical and Long-Lasting – *Pennies per application!*



Audio/Video



Computers



Automotive



Communications



Marine



Electrical



Energy



Photography



Security



Medical



Avionics

• UPGRADE TO GREASE 2.0

DeoxIT® L260D, SM22D & Marine Greases

- ✓ **WISH YOUR GREASE WOULD LAST AS LONG AS IT SHOULD?**
- ✓ **WISH YOUR GREASE WOULD ALSO CLEAN AND REMOVE OXIDATION & CORROSION?**
- ✓ **WISH YOUR GREASE WOULD ALSO IMPROVE AND PROTECT CONDUCTIVITY ON ELECTRICAL CONNECTIONS?**
- ✓ **WISH YOUR GREASE HAD AN OPTION TO INCLUDE PARTICLES TO HELP REMOVE DIFFICULT CORROSION?**
- ✓ **WISH YOUR GREASE WOULD WORK BETTER IN EXTREME CONDITIONS?**

WISH NO MORE!

SEE Test Results

caig.com/articles-reports/

Lithium Grease Infused with DeoxIT®!

The infusion of DeoxIT® D-Series Dx100L into our grease formulation provides an additional film on the metal surface to dissolve corrosion, improve conductivity and provide a moveable/ flexible protective barrier. This is important when and if the grease is disturbed and separates from the metal surface. When the grease is first applied, the infused DeoxIT® Dx100L transfers to the metal and coats the entire surface; sealing and protecting the metal even if the grease is separated from the surface (vibration or mechanical movement).

No other grease does this!



Need Help Selecting DeoxIT® Products?



Dr. D

Need help deciding which product is ideal for your application?

Visit our site for an interactive DeoxIT® Selection Guide and/or fill out one of our detailed questionnaires for a specific recommendation from one of CAIG's experts!

Select Language ▼

DeoxIT® PRODUCT SELECTION GUIDE
By Scott Wilson, Scott Johnson, Scott Smith and Scott Johnson

1. Make selection from the left hand side screen to filter and view the products.
2. CLICK on a Part No. to display the Product Details, Benefits and Uses.

Ferrous metals = Iron, nickel, steel, stainless, etc.
Non-ferrous metals = Gold, silver, bronze, brass, copper, etc.
Conductive plastic OR carbon-based = ONLY plastic or carbon materials.
Conductive plastic AND metal* = Ceramics (plastic) that have carbon conductive materials and metal inlets for measurement.

Display: 10 records Search:

Part No.	Description	Link to Product Info
D100-D	Min-Spray, 8% DeoxIT® D-Series	Click here for website details.
D05-R	Spray, 5%, DeoxIT® D-Series	Click here for website details.
D03-6P	Spray, 5% DeoxIT® D-Series	Click here for website details.
D100-6H	Spray, 5%, DeoxIT® D-Series	Click here for website details.
D1000-P	Spray, 100%, DeoxIT® D-Series	Click here for website details.
D1000-28C	Needle tip, 100%, DeoxIT® D-Series	Click here for website details.
D01-25CA	Needle tip, 5%, DeoxIT® D-Series	Click here for website details.

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Product Details

Spray, DeoxIT® D-Series, 5% solution, 142 g, formable (until solvent evaporates) (NZN 6555 01 433-6476)

Applicator Benefits: One-step with flushing action. Use for hard to reach areas that require some buffing before to expose surface before final process, clean and polish, etc.) and penetrate surface, low-Mach/high adjustable valve for precise spray.

Key Uses: Denoising, Maintenance

Notes: Cleanses oxidation/brownish, improves conductivity and protects surfaces. 20% active deoxidizer/cleaner.

Questionnaire for Detailed Recommendations:
If you have a unique, complicated application, or want to confirm your selection, please fill out a Product Selection Questionnaire.

Manufacturer Disclaimer:
To the best of our knowledge, the information contained herein is accurate. However, neither CAIG Laboratories, Inc., or any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. All products are present unless otherwise stated and should be used with caution. In particular, improper use for any products and/or inappropriate combination with other products and substances may produce harmful results which cannot be anticipated. Final determination of the suitability of any material is the sole responsibility of the user. Although certain records are disclosed herein, we cannot guarantee that these are the only records that may exist. All services performed on animal parts and equipment should be provided by qualified technicians.

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Product Selection Guides: caig.com/help-learn/

- + Manufacturing
- + Assembly/Install
- + Service/Maintenance
- + Special/Unique applications

Make connections the strongest link in your devices, equipment and systems!

● **Our Customers are Our Best Advocates!**

Bose Corporation

DeoxIT® D-Series is an excellent product for removing oxidation and contamination from dirty switches & controls and reducing intermittent contact problems. We have been using CAIG products with great success for over 45 years.

Diebold, Incorporated

We have been using CAIG products since 1980 on our automated teller machines to help ensure reliable performance.

General Electric

We were having trouble with edge connectors in our manufacturing environment until we tried DeoxIT® Gold Wipes great product.

Honeywell Inc.

CAIG's DeoxIT® D-Series is great stuff. We use it on feedback slidewires, edge connectors, & relay contacts in industrial process controls.

Rane Corporation (InMusic Brand)

People call me daily asking for recommendations for cleaners and lubricants. Most everyone has tried something less than DeoxIT®, and after using what we authorize, the results are always positive, sometimes bordering on miraculous.

Tektronix

We use DeoxIT® Gold Wipes to protect virgin edge connectors, DeoxIT® D-Series contact cleaner to eliminate intermittent problems on primitive tin-to-tin connectors (which tend to vibrate) and will be using DeoxIT® Gold in the field for gold connectors excellent products.

Xerox Corporation

Corrosion problems on very sensitive connectors have been an annoying problem for us. We have tried many products without success until we tried CAIG's DeoxIT® D-Series and DeoxIT® Gold. They are the only products that have worked perfectly. We highly recommend them.

American Airlines

Amtrak

Black & Decker

BMW

Boeing

Bombardier

Bose

Caterpillar

Crown Lift Trucks

Daktronics

Defense General

Delta Airlines

Diebold

Emerson Electric

FAA

Federal Express

Ford

Foxconn

General Dynamics

General Atomics

Google

Harley Davidson

Harman Int'l

HP / HPE

Honda

Honeywell

IBM

IDI Interconnect

Ingersoll Rand

InMusic Brand

Intel

Inventec Corp.

Jet Propulsion Labs

John Deere

Johnson Controls

L-3 Communications

Logitech

Makita Tools

McIntosh Labs

Medtronics

Microsoft

NASA

Northrop Grumman

Peavey Electronics

Philips Medical

Pratt & Whitney

Raytheon

Roland

Schindler Elevator

Switchcraft

Tektronics

Tyco Electronics

Union Pacific Railroad

UPS

Xerox

Zero Motorcycles

And thousands more



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