

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-22009  
Link: [caig.com/help-learn/](http://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

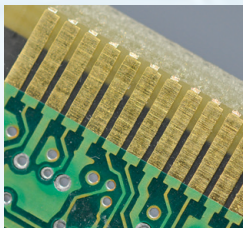
## DeoxIT® Solutions:

- + 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!

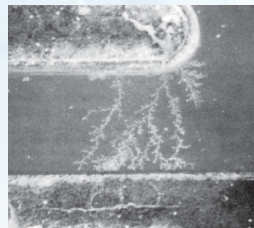
**Bottom Line** - DeoxIT®, Guaranteed to Improve the Performance & Reliability of ALL Equipment & Parts!



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

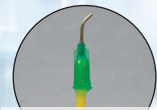
- Flushing Action
- Slow evaporating solvent
- Perfect-Straw™



**#DN55-6N**  
5% DeoxIT® Solution

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

### Perfect-Straw™ Cap with Tips



Part No.: PS-SS45T



Part No.: PS-P180T



**#D55-6-LM**  
5% DeoxIT® Solution

- Flushing Action
- Slow evaporating solvent



- LMH Valve



**#D100S-2**  
100% DeoxIT® Solution

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



**#DN55-2N**  
5% DeoxIT® Solution

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

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



- #D100L-SWP10**  
**Pre-Saturated Foam Swabs**
- 100% DeoxIT®
  - Non-flammable

- #D100L-25C**  
**Precision Needle Dispenser**
- 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/](http://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 recommendations for one of CAIG's experts!

Select Language ▼
**DeoxIT® PRODUCT SELECTION GUIDE**  
DeoxIT® D-Series, DeoxIT® D55 & D60, DeoxIT® D100L 25C and DeoxIT® D5L 25CA

Select Conductive Material  
**Ferrous** ▼

Select Severity of Oxidation/Corrosion  
Slight oxidation ▼

Is surface easy to access for applying DeoxIT® ?  
Difficult ▼

Any sensitive materials or components near surface?  
Yes ▼

Flammability an issue?  
None Selected ▼

**A. Make selection from the left hand side menus to filter and view the products.**  
**B. CLICK on a Part No. to display its Product Details, Benefits and Uses.**

**Ferrous metals** = tin, nickel, steel, stainless, etc.  
**Non-ferrous metals** = Gold plated, bronze, brass, copper, etc.  
**Conductive plastic OR carbon-based** = ONLY plastic or carbon materials.  
**Conductive plastic AND metal** = Controls (ladders) that have carbon conductive materials and metal rails for movement.

Display | 10 records Search:

Part No.	Description	Link to Product Info
DNS3-2	Mini-Spray, 5% DeoxIT® D-Series	<a href="#">Click here for website details.</a>
D55-6	Spray, 5%, DeoxIT® D-Series	<a href="#">Click here for website details.</a>
D55-6P	Spray, 5%, DeoxIT® D-Series	<a href="#">Click here for website details.</a>
DNS3-6N	Spray, 5%, DeoxIT® D-Series	<a href="#">Click here for website details.</a>
D100S-2	Spray, 100%, DeoxIT® D-Series	<a href="#">Click here for website details.</a>
D100L 25C	Needle tip, 100%, DeoxIT® D-Series	<a href="#">Click here for website details.</a>
D5L 25CA	Needle-tip, 5%, DeoxIT® D-Series	<a href="#">Click here for website details.</a>

Showing 1 to 7 of 7 entries Previous 1 Next

**Product Details**

*Spray, DeoxIT® D-Series, 5% solution, 142 g, flammable (until solvent evaporates) (NSN 6850-01-435-6476).*

**Applicator Benefits:** Slow-dry with flushing action. Use for hard to reach areas that require some flushing action to displace surface debris (oil, greases, dissolved oxides, etc.) and penetrate surface. Low-Med-High adjustable valve for precise spray.

**Key Uses:** Service, Maintenance

**Notes:** Dissolves oxidation/corrosion, 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 assumes any liability whatsoever for the accuracy or completeness of the information contained herein. All materials may present unknown hazards and should be used with caution. In particular, improper use of our products and their 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 hazards are described herein, we cannot guarantee that these are the only hazards that may exist. All service performed on internal parts and equipment should be provided by qualified technicians.

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## Product Selection Guides: [caig.com/help-learn/](http://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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