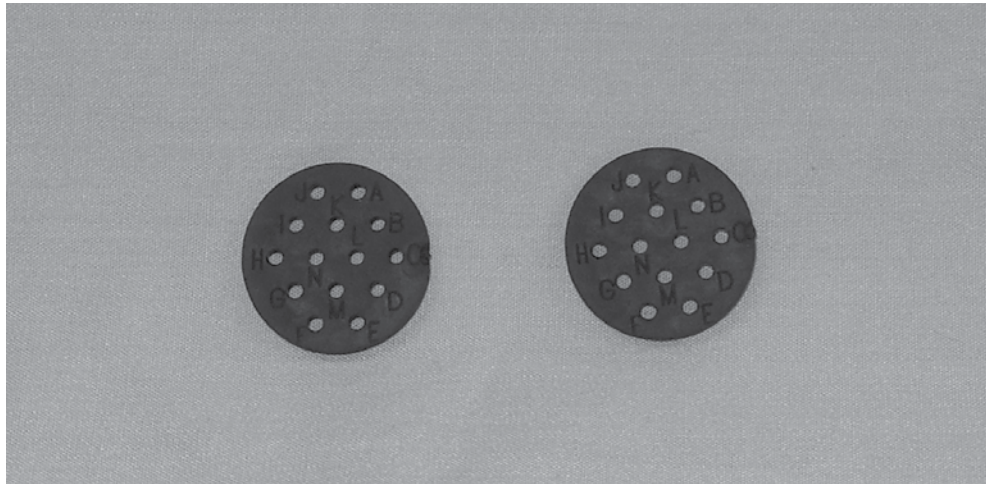


Auxiliary Quick-Disconnect Sealing Gasket Installation Instructions, Kit Number 57A64329500A



DISCLAIMER OF WARRANTIES AND LIMITATION OF LIABILITY

The information, recommendations, descriptions and safety notations in this document are based on Eaton Corporation's ("Eaton") experience and judgment and may not cover all contingencies. If further information is required, an Eaton sales office should be consulted. Sale of the product shown in this literature is subject to the terms and conditions outlined in appropriate Eaton selling policies or other contractual agreement between Eaton and the purchaser.

THERE ARE NO UNDERSTANDINGS, AGREEMENTS, WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, OTHER THAN THOSE SPECIFICALLY SET OUT IN ANY EXISTING CONTRACT BETWEEN THE PARTIES. ANY SUCH CONTRACT STATES THE ENTIRE OBLIGATION OF EATON. THE CONTENTS OF THIS DOCUMENT SHALL NOT BECOME PART OF OR MODIFY ANY CONTRACT BETWEEN THE PARTIES.

In no event will Eaton be responsible to the purchaser or user in contract, in tort (including negligence), strict liability or otherwise for any special, indirect, incidental or consequential damage or loss whatsoever, including but not limited to damage or loss of use of equipment, plant or power system, cost of capital, loss of power, additional expenses in the use of existing power facilities, or claims against the purchaser or user by its customers resulting from the use of the information, recommendations and descriptions contained herein. The information contained in this manual is subject to change without notice.

Contents

DISCLAIMER OF WARRANTIES AND LIMITATION OF LIABILITY I

SAFETY FOR LIFE III

SAFETY INFORMATION III

 Safety instructions iii

PRODUCT INFORMATION 1

 Introduction 1

 Read this manual first 1

 Additional information 1

 Acceptance and initial inspection 1

 Handling and storage 1

 Standards 1

 Parts supplied 1

 Tools required 1

INSTALLATION PROCEDURES 2



Safety for life



Eaton's Cooper Power series products meet or exceed all applicable industry standards relating to product safety. We actively promote safe practices in the use and maintenance of our products through our service literature, instructional training programs, and the continuous efforts of all Eaton employees involved in product design, manufacture, marketing and service.

We strongly urge that you always follow all locally approved safety procedures and safety instructions when working around high-voltage lines and equipment and support our "Safety For Life" mission.

Safety information

The instructions in this manual are not intended as a substitute for proper training or adequate experience in the safe operation of the equipment described. Only competent technicians who are familiar with this equipment should install, operate, and service it.

A competent technician has these qualifications:

- Is thoroughly familiar with these instructions.
- Is trained in industry-accepted high and low-voltage safe operating practices and procedures.
- Is trained and authorized to energize, de-energize, clear, and ground power distribution equipment.
- Is trained in the care and use of protective equipment such as arc flash clothing, safety glasses, face shield, hard hat, rubber gloves, clampstick, hotstick, etc.

Following is important safety information. For safe installation and operation of this equipment, be sure to read and understand all cautions and warnings.

Hazard Statement Definitions

This manual may contain four types of hazard statements:

DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in equipment damage only.

Safety instructions

Following are general caution and warning statements that apply to this equipment. Additional statements, related to specific tasks and procedures, are located throughout the manual.

DANGER

Hazardous voltage. Contact with hazardous voltage will cause death or severe personal injury. Follow all locally approved safety procedures when working around high- and low-voltage lines and equipment.

G103.3

WARNING

Before installing, operating, maintaining, or testing this equipment, carefully read and understand the contents of this manual. Improper operation, handling or maintenance can result in death, severe personal injury, and equipment damage.

G101.0

WARNING

This equipment is not intended to protect human life. Follow all locally approved procedures and safety practices when installing or operating this equipment. Failure to comply can result in death, severe personal injury and equipment damage.

G102.1

WARNING

Power distribution and transmission equipment must be properly selected for the intended application. It must be installed and serviced by competent personnel who have been trained and understand proper safety procedures. These instructions are written for such personnel and are not a substitute for adequate training and experience in safety procedures. Failure to properly select, install or maintain power distribution and transmission equipment can result in death, severe personal injury, and equipment damage.

G122.3

Product information

Introduction

Service Information MN225058EN provides the installation instruction for an auxiliary sealing gasket kit for the quick-disconnect fitting on control cables for Eaton's Cooper Power series voltage regulators. Two gaskets will be required for a voltage regulator, one for each side of the control cable.

Read this manual first

Read and understand the contents of this manual and follow all locally approved procedures and safety practices before installing or operating this equipment.

Additional information

These instructions cannot cover all details or variations in the equipment, procedures, or processes described nor provide directions for meeting every possible contingency during installation, operation, or maintenance. For additional information, contact your Eaton's Cooper Power series product representative.

Acceptance and initial inspection

Each gasket kit is in good condition when accepted by the carrier for shipment. Upon receipt, inspect the shipping container for signs of damage. Unpack the gasket kit and inspect it thoroughly for damage incurred during shipment. If damaged is discovered, file a claim with the carrier immediately.

Handling and storage

Be careful during handling and storage of the gasket kit to minimize the possibility of damage. If the gasket kit is to be stored for any length of time prior to installation, provide a clean, dry storage area.

Standards

ISO 9001 Certified Quality Management System

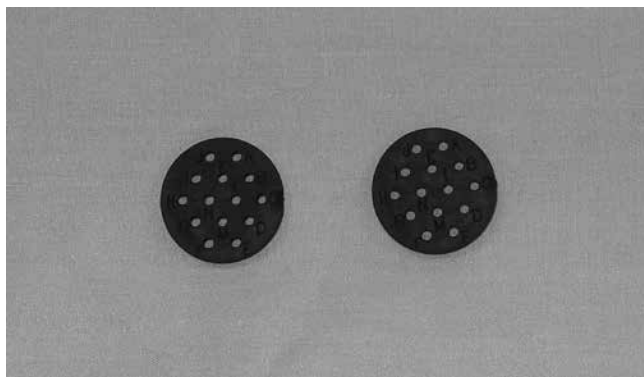


Figure 1. Pair of auxiliary gaskets



Figure 2. Use Dow Corning® 4 Electrical Insulating Compound or equivalent

Parts supplied

Item Number	Description	Qty
1	Gasket	50
2	Electrical Insulating Compound	1

Tools required

- Small wire brush
- Toothbrush
- Pipe cleaners
- 1 3/8-inch open end or adjust able wrench

WARNING

Hazardous voltage. It is critical to follow all locally approved procedures and safety practices when approaching the live parts of the voltage regulator. Failure to do so could result in injury or death.

Installation procedures

1. Disconnect the quick-disconnect fitting under the junction box at the top of the regulator. See Figure 3.



Figure 3. Disconnecting the control cable under the junction box

2. Inspect the both sides of the connection for signs of corrosion.
3. If corrosion is present around the pins on the cable side of the connector, use a small brush and pipe cleaners to remove as much of the corrosion as possible.
4. On the female side of the connector under the position indicator, if corrosion is present, it will be necessary to bypass the regulator and de-energize it. Once the regulator has been de-energized, use a small brush and pipe cleaners to remove as much of the corrosion as possible.

CAUTION

Hazardous voltage. Failure to de-energize the regulator when cleaning the female side of the control cable connector under the junction box will expose the operator to approximately 120 volts AC and could result in an electric shock.

5. If the corrosion is extensive and damage to the pins and connector is such that the pins have weakened, contact your Eaton's Cooper Power series product representative for further assistance.
6. If no corrosion is present or after a majority of the corrosion has been removed, apply a small amount of electrical insulating compound to the bottom of the gasket (the side without the embossed letters) and spread evenly.

7. Hold the male end of the disconnect fitting so that the slot is to the top. Insert the gasket into the round portion of the connector with the top of embossed letter facing up toward the slot. See Figure 4.
8. Rotate the gasket slightly until the pins are visible through the holes and firmly press the gasket over the pins. See Figure 4.



Figure 4. Installing the gasket

9. Apply a small amount of dielectric grease on the female end of the connector and spread evenly.
10. Inside the control box, disconnect the internal control cable connection. See Figure 5.



Figure 5. Installing the gasket

Auxiliary Quick-Disconnect Sealing Gasket Installation Instructions, Kit Number 57A64329500A

11. Observe the connection for corrosion. If no corrosion is present, repeat Steps 6 through 9 and then proceed to Step 15.
12. If corrosion is present, use a 1 3/8-inch open end or adjustable wrench to loosen and removed the control cable nut and washer and pull the connector from the hole in the control box. See Figure 6.



Figure 6. Inspecting the control box end off the quick-disconnect cable

13. Use a small brush and pipe cleaners to remove as much of the corrosion as possible on both side of the connection.
14. Repeat steps 5 through 9 for the control box cable connections and then proceed to Step 15.
15. Install the cable back into the top of the control box making sure that the gasket on top of the control box is laying flat and will seal properly. Tighten the control cable nut firmly.
16. Make the cable connection inside of the control cabinet.
17. Make the cable connection to the junction box under the position indicator.
18. The regulator is ready to put back into service.



Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

Eaton's Power Systems Division
2300 Badger Drive
Waukesha, WI 53188
United States
Eaton.com/cooperpowerseries

© 2017 Eaton
All Rights Reserved
Printed in USA
Publication No. MN225058EN
March 2017
REV01

Eaton is a registered trademark.

All trademarks are property
of their respective owners.

For Eaton's Cooper Power series product
information
call 1-877-277-4636 or visit:
www.eaton.com/cooperpowerseries.