



## SAFETY ALERT

Subject: Eaton Glasgow Fuse-Switch Disconnecter 160A/200A –  
Connection Bolt Issue

Number: 01/13 version 2

DIO Secretariat Sponsor: Robin Cawthorne

Date of issue: 16 January 2013  
Corrected: 1 February 2013

Contact if different from above Sponsor:

Andy Dunn

Hd Electrical Infrastructure Team  
Professional & Technical Services  
Hard FM  
Defence Infrastructure Organisation  
Kingston Road, Sutton Coldfield, West Midlands B75 7RL

Telephone: 0121 311 3622 Email: [DIOOpsNorth-PTS8@mod.uk](mailto:DIOOpsNorth-PTS8@mod.uk)

Who Should Read this: Top Level Budget Holders, Prime Contractors, Private Finance Initiatives, Public, Private Partnership and other traditionally procured contracts, Project Managers, Site Estate Authority Teams and Property Managers with responsibility for MOD projects and Property Management Works Services (including the legacy work of EWCs/WSMs), Coordinating Authorising Engineers, Authorising Engineers Electrical, Authorised Persons Electrical and Designers, Installers and Maintainers of final electrical distribution equipment.

When it takes effect: immediately

When it is due to expire: When updated  
or rescinded

### 1. Document Aim

- a. This alert is an update to Safety Alert (SA) 01/13 issued on 16 January 2013. The catalogue numbers noted in Annex A issued with the SA on 16 January

**should be disregarded. The correct catalogue numbers are listed below in para. 4.b. Background (below).**

- b. This alerts all personnel responsible for maintaining low voltage electrical installations of a potential dangerous failure mode within Eaton Glasgow Fuse-Switch Disconnectors.

## **2. Introduction**

- a. COMPLIANCE WITH THE CONTENTS OF THIS ALERT WILL ENABLE COMPLIANCE WITH THE HEALTH & SAFETY AT WORK ETC ACT 1974 AND ITS SUBORDINATE REGULATIONS.
- b. The appropriate MOD officer shall arrange for the Maintenance Management Organisation (MMO) contractor to carry out all actions in accordance with this Alert.
- c. Any work required as a result of this Safety Alert must be carried out in accordance with JSP 375 Volume 3 – MOD's Safety Rules & Procedures.
- d. On MOD Establishments occupied by United States Visiting Forces (USVF) responsibility is jointly held by USVF and DIO (USF). At base level this jointly managed organisation is to take appropriate action to implement the contents of this Alert. Where this Alert contains procedures which differ significantly from USVF practice DIO (USF) code of practice will be issued.

## **3. Requirement**

- a. Identify all Glasgow Fuse-Switch Disconnectors rated at 160A or 200A with one of the affected catalogue numbers and manufactured between the dates 1 August 2011 and 31 January 2012 inclusive.
- b. Where the Disconnector is in service:
  - a. Check for fractured terminal bolts.
  - b. Replace any fractured terminal bolts with replacements from Eaton.
  - c. Check the torque (25Nm) of all terminal bolts.
- c. Where the Disconnector is not in service return to Eaton for a replacement.

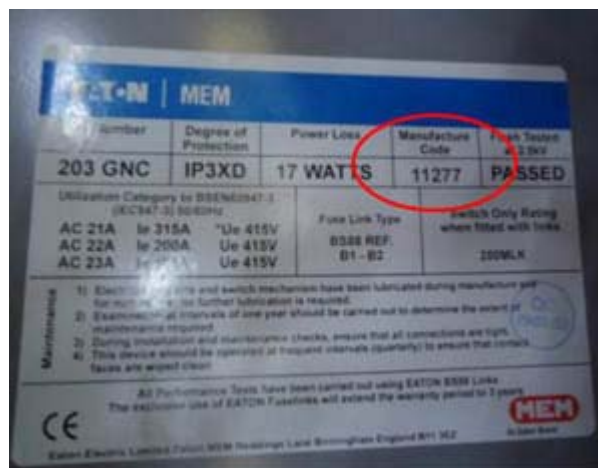
## 4. Background

- a. An incident was reported where a terminal bolt within a Glasgow Disconnecter had fractured whilst in service. No other similar incidents have been reported.



*Fractured Terminal Bolt*

- b. Eaton have confirmed that the catalogue numbers of the affected products are 151GNC, 153GNC, 153GNCX, 154GC, 201GNC, 203GNC, 203GNCX, 203GNL, 204GC.
- c. The date of manufacture can be confirmed by checking the manufacturing code of the Disconnecter located on the product rating label. Codes in the range 11213 to 12031 indicate that the Disconnecter was manufactured between the dates 1 August 2011 and 31 January 2012 inclusive.



*Product Rating Label*

d. Contact details for Eaton are:

Eaton Electric Limited  
Customer Service  
Grimshaw Lane  
Middleton  
Manchester  
M24 1GQ

Tel: +44 (0) 8700 545 333  
E-mail: [ukcommorders@eaton.com](mailto:ukcommorders@eaton.com)