



NATIONAL INTERAGENCY FIRE CENTER

3833 South Development Avenue
Boise, Idaho 83705

9216 NFES (FA240)
March 20, 2003

NATIONAL FIRE EQUIPMENT SYSTEM CACHE MEMORANDUM NO. 03-6

To: NFES National Incident Support Caches
From: Paul Naman, NFES Representative - NIFC
Subject: Single Cell Headlamp, Wiring Assembly Problem

Additional information has become available regarding a problem with the wiring of some single cell headlamps (NFES #0713, NSN 6230-01-387-1399). This is the headlamp that uses four AA size batteries. In Cache Memorandum No. 03-1, problems with the NFES #0713 single cell headlamp focused on exposed wiring due to wear or excessive removal of wire insulation causing an electrical short circuit. This situation occurred in some wiring assemblies of the type as shown in Diagram A.

The manufacturer of the single cell headlamp has provided additional information that wiring assemblies as shown in Diagram A were improperly assembled, and should be replaced or rewired. The proper wiring assembly is shown in Diagram B, with the wires first running through the hole in the oval snap connector before being split and drawn back around the connector and riveted. A third wiring variation exists and is shown in Diagram C. This variation does not use the oval snap connector and is acceptable.

All inventory of these headlamps should be inspected to identify improperly wired headlamps. To inspect, first open the battery compartment and pull the battery pack out far enough to allow for examination of the wiring assembly. Examine the wiring assembly at the clear, oval snap connector (9V battery style). If the wiring splits and connects directly to the oval connector as shown in Diagram A the headlamp should be removed from service. If wiring connections are identical to those shown in Diagrams B and C the headlamp is serviceable.

For disposition instructions of unserviceable headlamps (NFES #0713) contact Ray Balli, GSA Fire Program Coordinator, at (817) 978-8637, or facsimile (817) 978-3761, or email to: ramon.balli@gsa.gov.

If you have any questions or comments on this information, contact Dennis Davis, Missoula Technology and Development Center, at (406) 329-3929.

/s/ Paul E. Naman

cc:

- State Fire Management Officers - BLM
- Regional Directors Fire and Aviation Management - USFS
- Technology Development Centers - San Dimas, Missoula
- Agency Directors - NIFC
- Logistics Center - NICC
- Ray Balli - GSA
- Alice Forbes - USFS

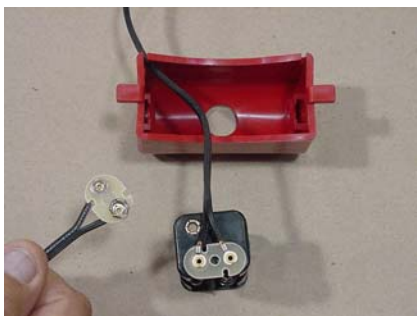


Diagram A



Diagram B

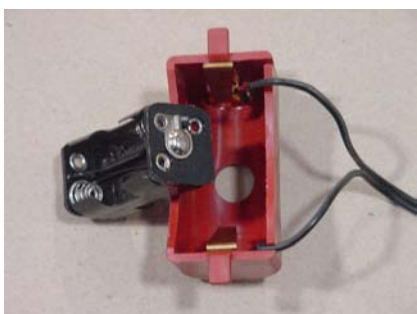


Diagram C

