

1000VA STATIC INVERTER SERIES  
TRANSISTOR REPLACEMENT

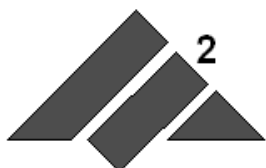
PLANNING INFORMATION

- (1) Effectivity – 1000VA Static Inverters,  
Model Numbers 1B1000 – 1G, 1B1000 – 1GC,  
1B1000 – 1GS, 2A1000 – 1G,  
3A1000 – 1G, 2A1000 – 1AL.
- 800VA Static Inverter  
Model Number 1B800 – 1G  
Converter Board assembly  
and Inverter Board Assembly
- (2) Reason – Discontinuation of transistors  
from manufacturer's product  
line and inability of other manufacturers to match  
performance of previous transistors  
has led to this transistor replacement  
service bulletin. All Static  
inverters manufactured with old style  
transistors requiring  
replacement of any of the identified  
transistors will require a matched  
set replacement.

July 26, 1989

1-001-5601-0009

Page 1 of 5



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- (3) Description – During troubleshooting and repair of the effected Static Inverter's Inverter Board Assembly (1-001-0107-0109); should if be determined that any of the following transistors Q200, Q202, Q204, and Q205 require replacement, and the parts currently in the inverter are marked "DK – 0017 – 00"; all four of the transistors must be replaced with a matched set of 1-001-0410-0036 transistors marked "BUR52".

NOTE: DO NOT mix the "BUR52 – type" (1-001-0410-0036) transistor with the "DK – 0017 – 00 type" 1-001-0410-0018) transistor in the same static inverter or damage may occur.

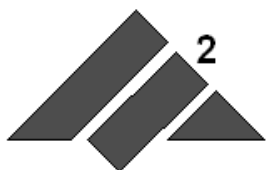
In addition, should transistors Q102, Q103, Q104, Q105 and Q106 located on the Static Inverter's Converter Board Assembly (1-001-0107-0113 or 1-001-0107-0111) require replacement, and are currently marked "DK – 0018 – 00", all five of the transistors must be replaced as a matched set of 1-001-0410-0046 transistors which will be marked "BUR51".

NOTE: DO NOT mix "BUR51 – type" transistors (1-001-0410-0019) with "DK – 0018 – 00 – type" transistors in the same static inverter or damage may occur.

July 26, 1989

1-001-5601-0009

Page 2 of 5



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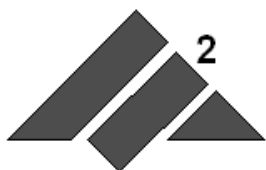
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- (4) Approval – Not Applicable
- (5) Manpower – Not Applicable
- (6) Material – Implementation of the directives outlined in this service bulletin will require procurement of the following:  
  
5 pieces of Transistor 1-001-0410-0046 for the Converter Board Assembly repair.  
  
or  
  
4 pieces of Transistor 1-001-0410-0036 for the Converter Board Assembly repair.
- (7) Tooling – No special tools required.
- (8) Weight and Balance – Not Applicable
- (9) Electrical Load Data – Not Affected
- (10) Software Accomplishment Summary – Not Applicable
- (11) References – 1-001-4902-0007, Component Maintenance Manual with Illustrated Parts List, June 2, 1982, Revision No. 7. Pages 84, 88, and 92.
- (12) Other Publications Affected – None

July 26, 1989

1-001-5601-0009  
Page 3 of 5



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## INSTRUCTIONS

If, during troubleshooting of the Converter Board Assembly (Item 1-22, Page 78 of CMM IPL) it is determined that the following transistors Q102, Q103, Q104, Q105 and Q106 requires replacement; the following procedure should be followed:

1. Examine the Converter Printed Circuit Board Assembly and locate Q102 – Q106. If they are marked “BUR52”; you need only replace the damaged transistor with an equivalent “BUR52 – type” transistor (P/N 1-001-0410-0046).
2. If the transistors are marked “DK – 0017” (P/N 1-001-0410-0018), you must replace all 5 transistors with the “BUR52” type transistor since the “DK – 0017” type transistors are no longer available.

NOTE: DO NOT Mix “BUR52” and “DK – 0017” Type Transistors As Damage To Converter Assembly May Result.

If, during troubleshooting of the Inverter Board Assembly (Item 1-28, Page 78 of CMM IPL) it is determined that one of the following transistors Q200, Q202, Q204, or Q205 requires replacement; the following procedure should be followed:

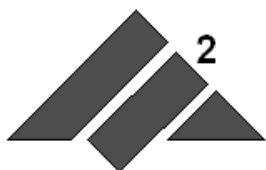
1. Examine the Inverter Printed Circuit Board Assembly and locate Q200, Q202, Q204, and Q205. If they are marked “BUR51”, you need only replace the damaged transistor with an equivalent type “BUR51” transistor (P/N 1-001-0410-0036).
2. If the transistors are marked “DK – 18” (P/N 1-001-0410-0019) you must replace all 4 transistors with the “BUR51 – type” (P/N 1-001-0410-0036) since the “DK – 0018” type transistor is no longer available.

NOTE: DO NOT Mix “BUR51” and “DK – 0018” type Transistors As Damage To Inverter Assembly May Result.

July 26, 1989

1-001-5601-0009

Page 4 of 5



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## MATERIAL INFORMATION

The following Material is required to implement this Service Bulletin:

Part Number	Qty	Unit List Cost	Key Word	Instructions
1-001-0410-0036	4	\$44.44 (1)	Transistor Q200, Q202, Q204, Q205	Install all four as a matched set.
1-001-0410-0046	5	\$46.67 (2)	Transistor Q102, Q103, Q104, Q105, Q106	Install all five as a matched set.
1-001-0410-0018	4	N/A	Transistor Q200, Q202, Q204, Q205	Remove and discard as a set, if replacement is required.
1-001-0410-0019	5	N/A	Transistor Q102, Q103, Q104, Q105, Q106	Remove and discard as a set, if replacement is required.

NOTE: (1) Sold as set of 4 for \$177.76.  
(2) Sold as set of 5 for \$233.35.  
(3) Pricing effective thru December, 1989.  
Call Factory for Revised pricing.

July 26, 1989

1-001-5601-0009

Page 5 of 5



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