
FK1 & FK2

110 & 230 VAC Fan Kit Installation Instructions

P/N PCW-4750 Rev. 1.0 12/95

This manual covers the
following IDC Products:
FK1- 110VAC Fan Kit
FK2- 230 VAC Fan Kit

**INDUSTRIAL
DEVICES
CORPORATION**



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Note: At the time of this printing B8962's requiring Fan Kits will need to be updated at IDC. Future Revisions will be field installable.

OVERVIEW

IDC's FK1 and FK2 Fan Kits operate from different voltages. It is very important that you use the Fan Kit that corresponds to the voltage you intend to operate the control from.

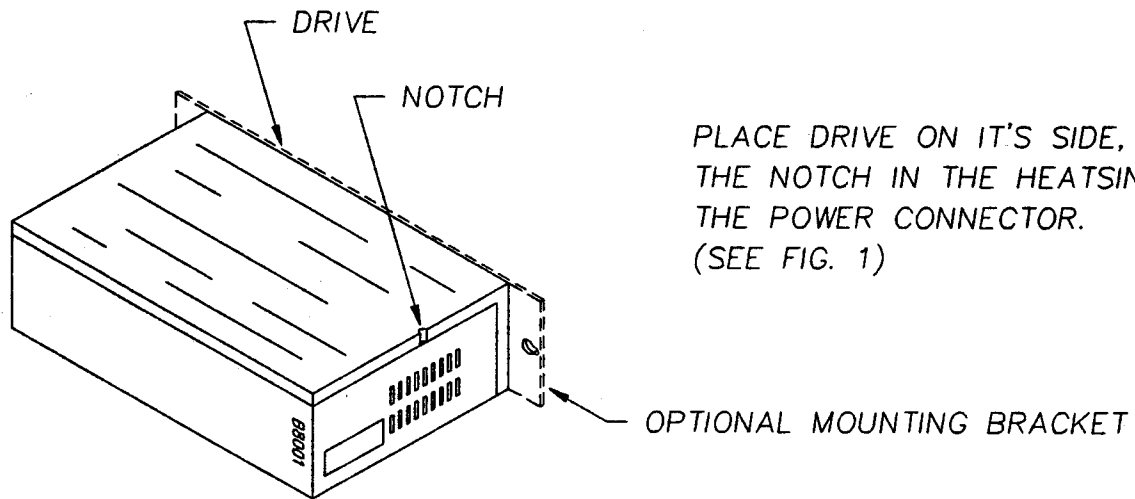
IDC's FK1 Fan Kit is designed to cool our S6000, B8000, and H3/4000 Series controls. The FK1 uses a 110 VAC fan. Note: It will be damaged if used with a B8000 Series control at 230 VAC.

IDC's FK2 Fan Kit is only designed to cool our B8000 Series controls. At the time of this printing our H and S Series controls will not operate off 230 VAC. The FK2 uses a 230 VAC fan. Note: It will run too slow to cool a B8000 Series control if operated at 110 VAC. However, it will not damage the control or Fan Kit, so it may be run off 110 VAC for lab testing.

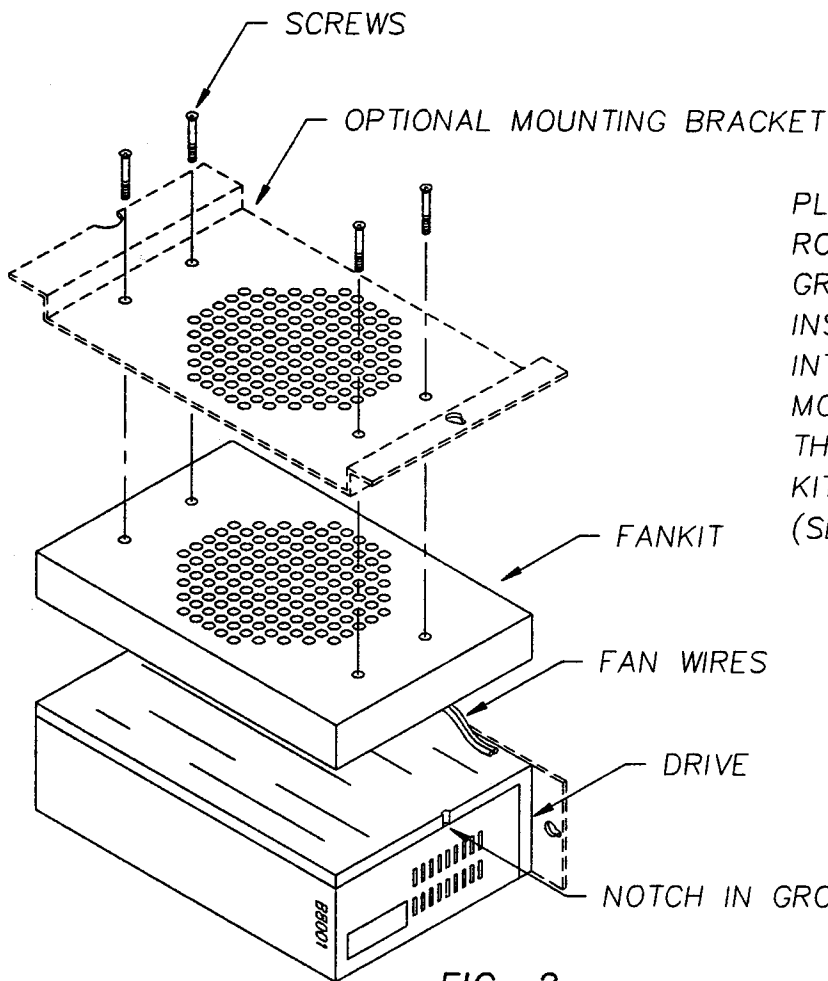
Both Fan Kits provide for minimum cabinet width and minimum cabinet depth mounting options. The instructions for each product show both configurations.

WHAT YOU SHOULD HAVE

1. Fan Kit Housing and Mounted Fan (either 110 or 230 VAC fan)
2. Optional Mounting Bracket
3. Mounting Screws
4. A Fan Kit wire (with 2 lugs and insulation) for H and B Series controls. Must be cut in half and stripped to provide both wires needed to connect fan. It is shipped in this configuration to keep part from being lost.
5. Fan Kit cable assembly for S Series Controls
6. This manual



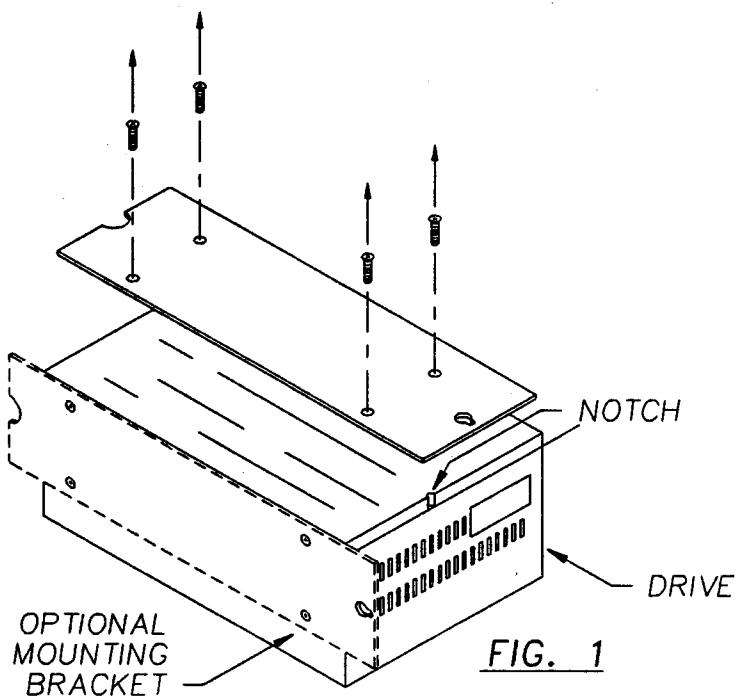
PLACE DRIVE ON IT'S SIDE, LOCATE THE NOTCH IN THE HEATSINK NEAR THE POWER CONNECTOR. (SEE FIG. 1)



PLACE FANKIT ON TOP OF DRIVE. ROUTE FAN CABLE INTO HEATSINK GROOVE WITH NOTCH IN IT. INSERT SCREWS PROVIDED THRU KIT INTO HEATSINK. IF USING OPTIONAL MOUNTING BRACKET, INSERT SCREWS THRU BRACKET FIRST, THEN THRU KIT INTO HEATSINK. (SEE FIG. 2)

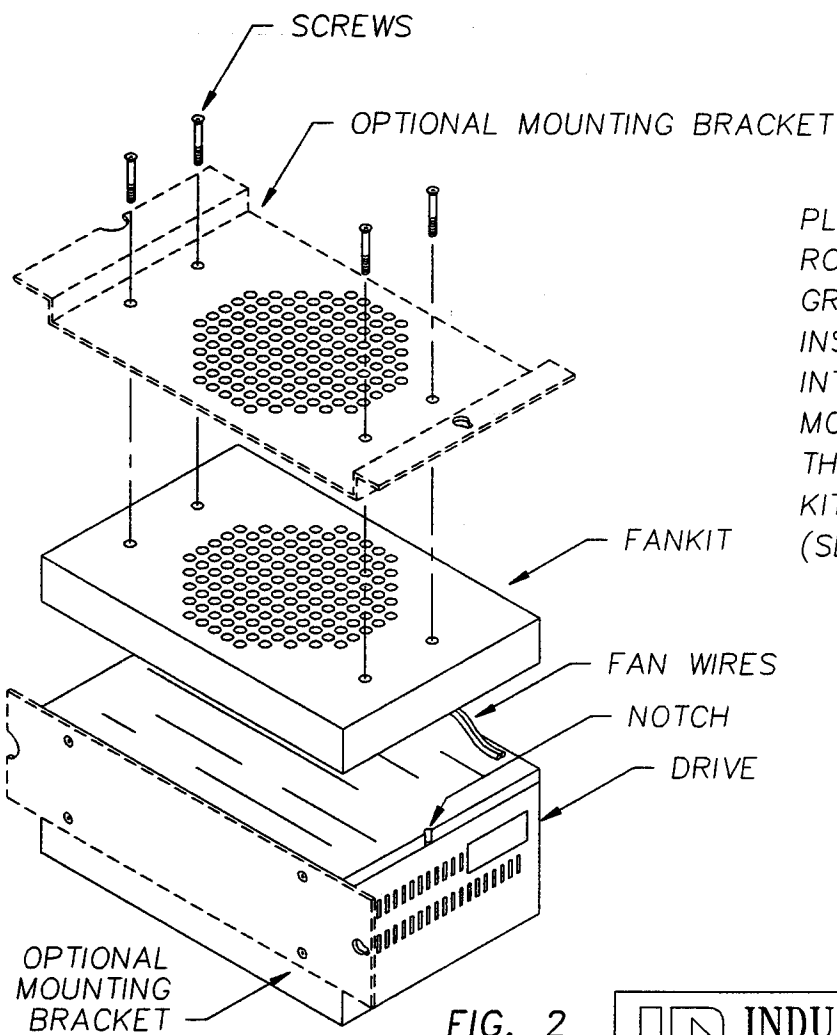
CONNECT FAN WIRES INTO AC INPUTS ON POWER CONNECTOR.





PLACE DRIVE ON IT'S FACE, REMOVE SCREWS AND MOUNTING BRACKET. LOCATE THE NOTCH IN THE HEATSINK NEAR AND POWER CONNECTOR. (SEE FIG. 1)

FIG. 1

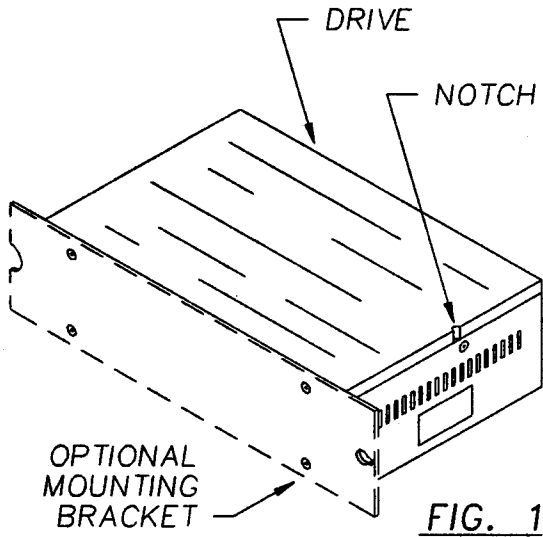


PLACE FANKIT ON TOP OF DRIVE. ROUTE FAN CABLE INTO HEATSINK GROOVE WITH NOTCH IN IT. INSERT SCREWS PROVIDED THRU KIT INTO HEATSINK. IF USING OPTIONAL MOUNTING BRACKET, INSERT SCREWS THRU BRACKET FIRST, THEN THRU KIT INTO HEATSINK. (SEE FIG. 2)

CONNECT FAN WIRES INTO AC INPUTS ON POWER CONNECTOR.

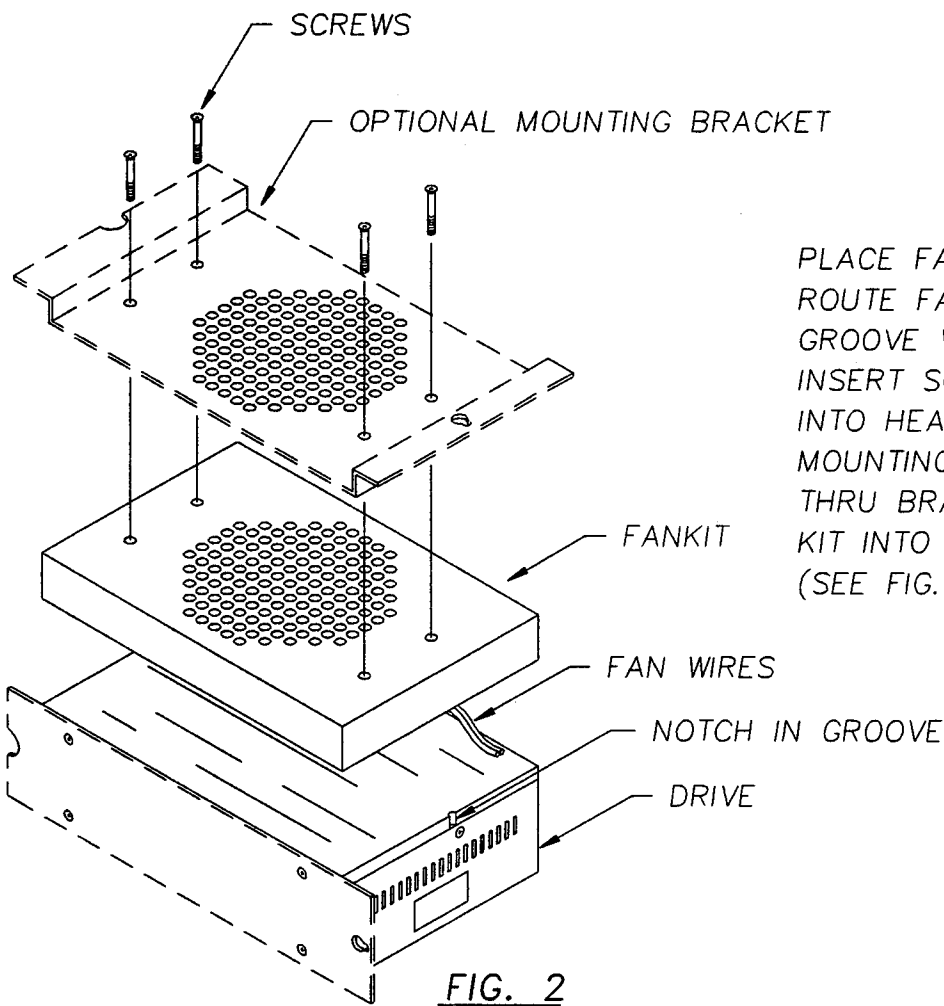
FIG. 2





PLACE DRIVE ON IT'S SIDE, LOCATE THE NOTCH IN THE HEATSINK NEAR THE MOTOR AND POWER CONNECTORS. (SEE FIG. 1)

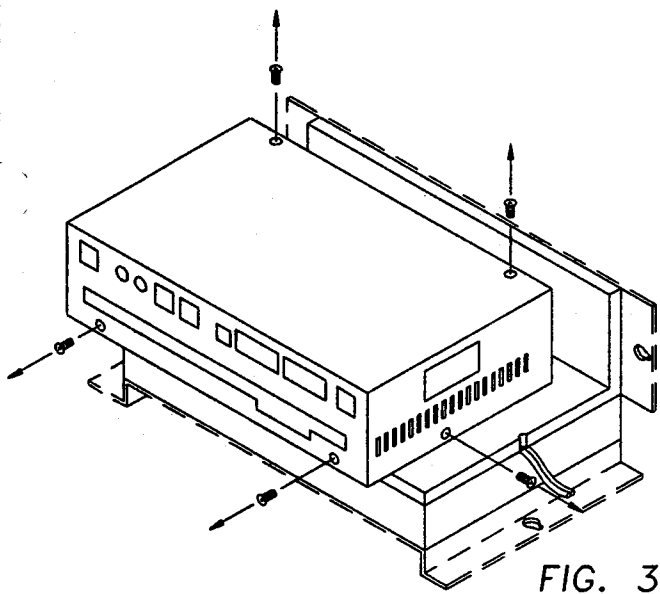
FIG. 1



PLACE FANKIT ON TOP OF DRIVE. ROUTE FAN CABLE INTO HEATSINK GROOVE WITH NOTCH IN IT. INSERT SCREWS PROVIDED THRU KIT INTO HEATSINK. IF USING OPTIONAL MOUNTING BRACKET, INSERT SCREWS THRU BRACKET FIRST, THEN THRU KIT INTO HEATSINK. (SEE FIG. 2)

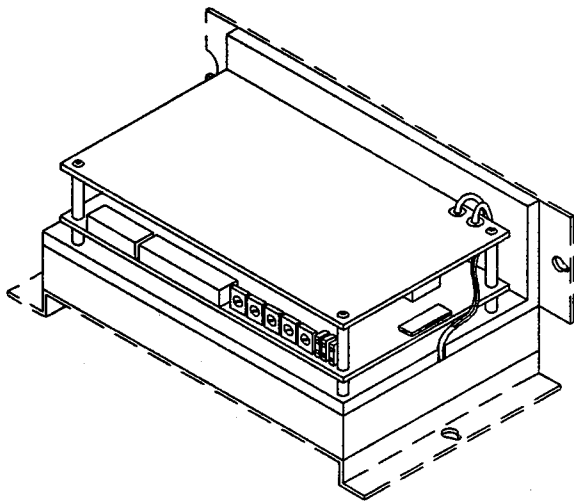
FIG. 2





FLIP DRIVE OVER 180°, REMOVE THE 6 SCREWS AND SLIDE COVER OFF. (SEE FIG. 3)

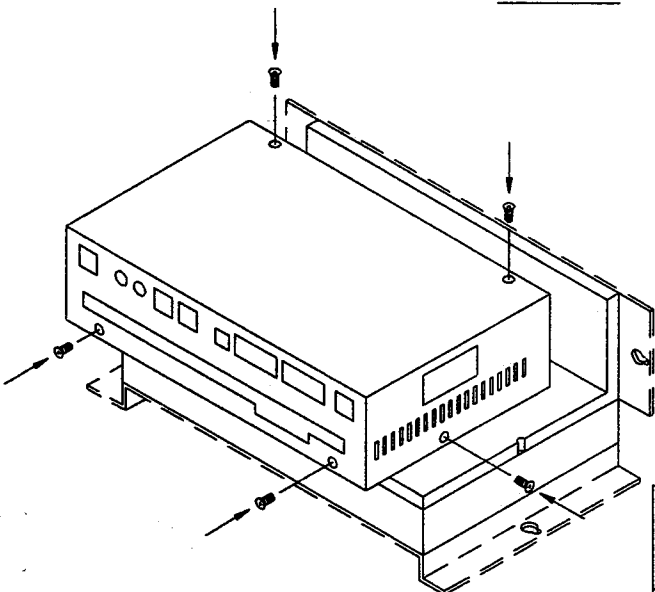
FIG. 3



ROUTE FAN CABLE THRU HEATSINK NOTCH. MAKE SURE THAT INSULATION IS IN THE GROOVE. SOLDER THE WIRES INTO THE TWO UNSTUFFED HOLES AS SHOWN. BE CAREFUL OF WORKMANSHIP AND SHORTING. (SEE FIG. 4)

NOTE: IF YOU DO NOT FEEL COMFORTABLE WITH SOLDERING THESE CONNECTIONS, YOU CAN SIMPLY SCREW THE FAN WIRES INTO THE REMOVABLE AC POWER CONNECTOR.

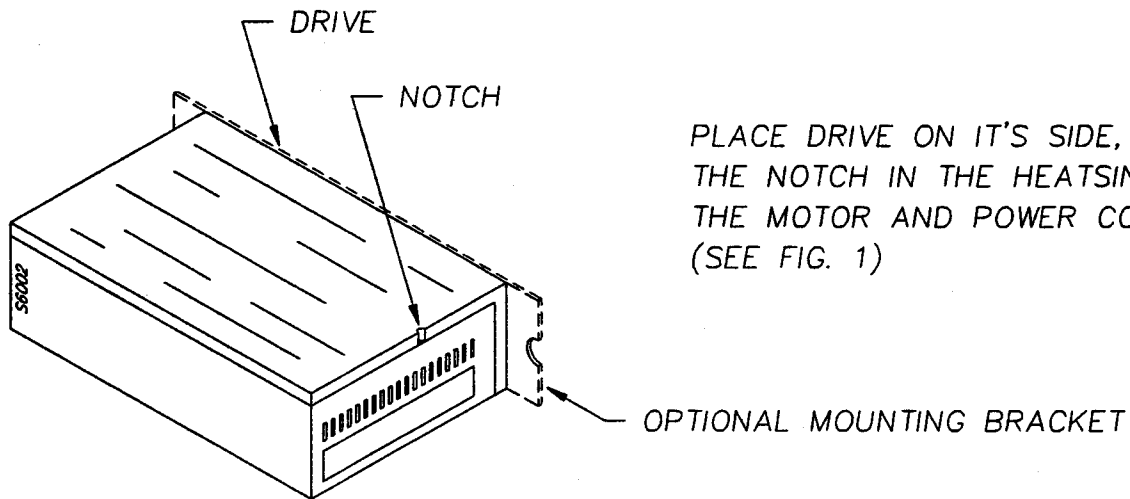
FIG. 4



AFTER ATTACHING THE CABLE TO THE PINS, SLIDE COVER BACK ON DRIVE. INSERT THE SCREWS BACK INTO COVER AND TIGHTEN. (SEE FIG. 5)

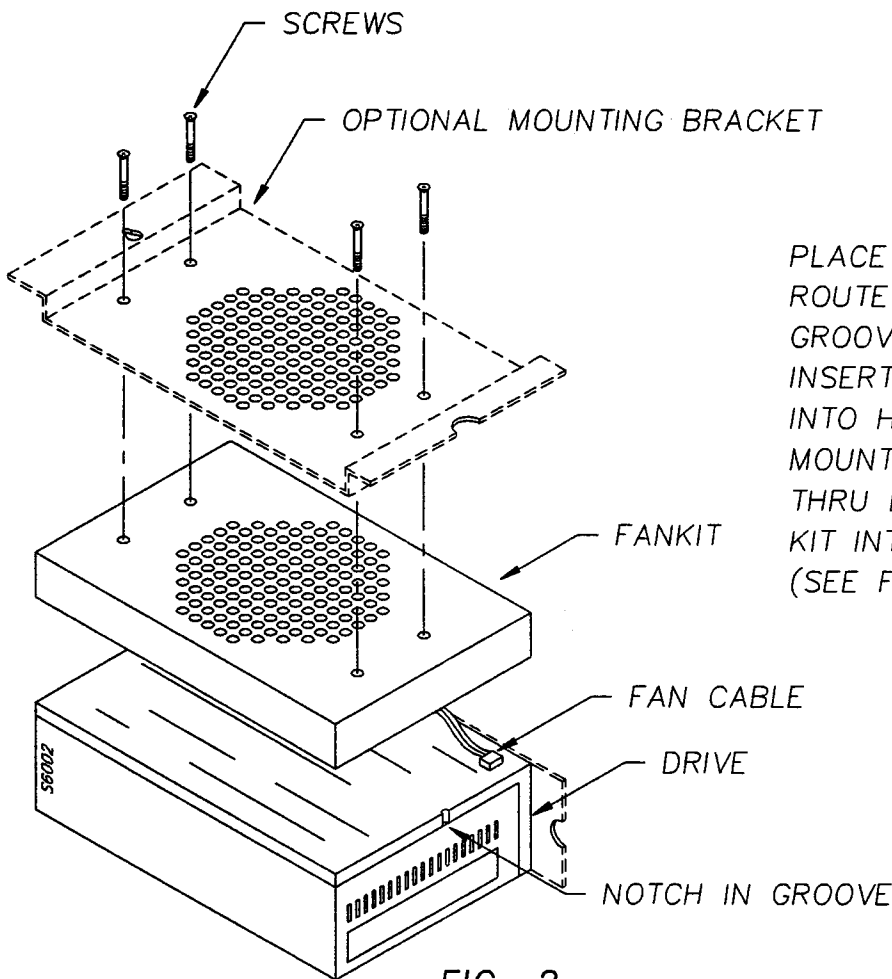
FIG. 5





PLACE DRIVE ON IT'S SIDE, LOCATE THE NOTCH IN THE HEATSINK NEAR THE MOTOR AND POWER CONNECTORS. (SEE FIG. 1)

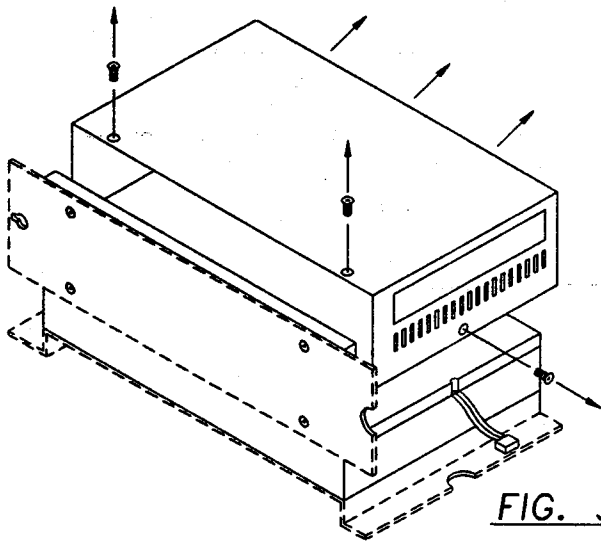
FIG. 1



PLACE FANKIT ON TOP OF DRIVE. ROUTE FAN CABLE INTO HEATSINK GROOVE WITH NOTCH IN IT. INSERT SCREWS PROVIDED THRU KIT INTO HEATSINK. IF USING OPTIONAL MOUNTING BRACKET, INSERT SCREWS THRU BRACKET FIRST, THEN THRU KIT INTO HEATSINK. (SEE FIG. 2)

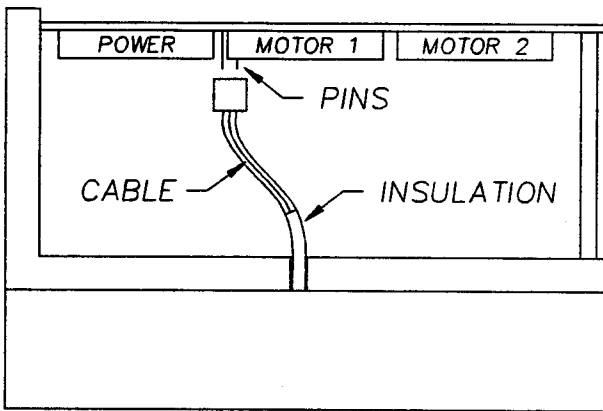
FIG. 2





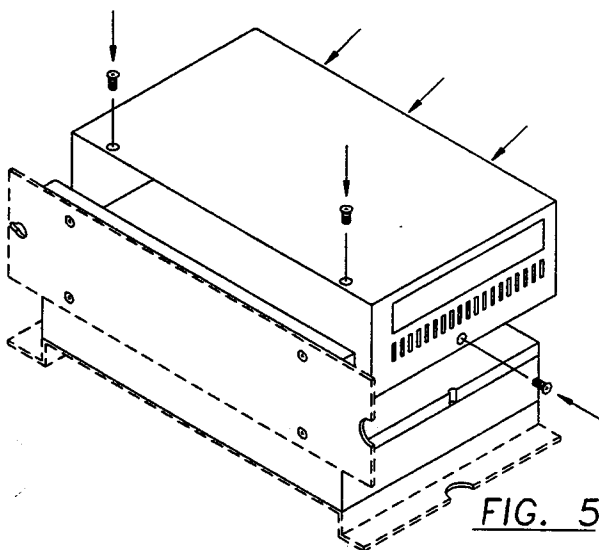
FLIP DRIVE OVER 180°, REMOVE THE 6 SCREWS AND SLIDE COVER OFF. (SEE FIG. 3)

FIG. 3



ROUTE FAN CABLE THRU HEATSINK NOTCH. MAKE SURE THAT INSULATION IS IN THE GROOVE. ATTACH CABLE TO THE 2 PINS (P2) STICKING OUT NEAR THE POWER CONNECTOR AND THE FIRST MOTOR CONNECTOR. THE ORIENTATION DOES NOT MATTER. (SEE FIG. 4)

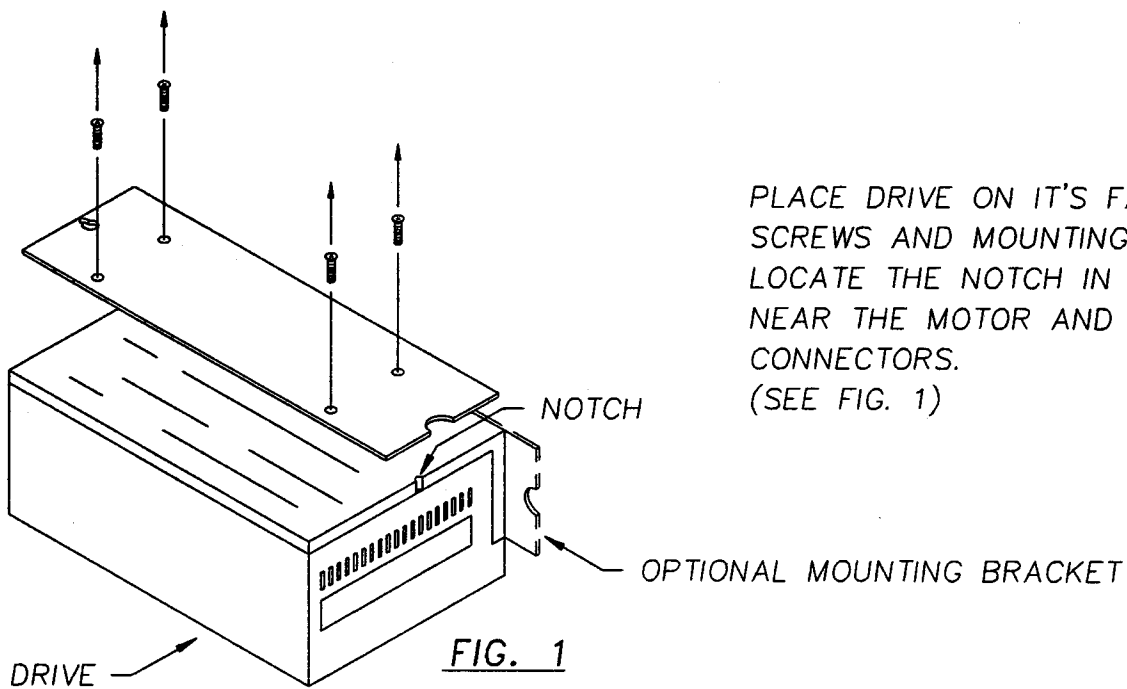
FIG. 4



AFTER ATTACHING THE CABLE TO THE PINS, SLIDE COVER BACK ON DRIVE. INSERT THE SCREWS BACK INTO COVER AND TIGHTEN. (SEE FIG. 5)

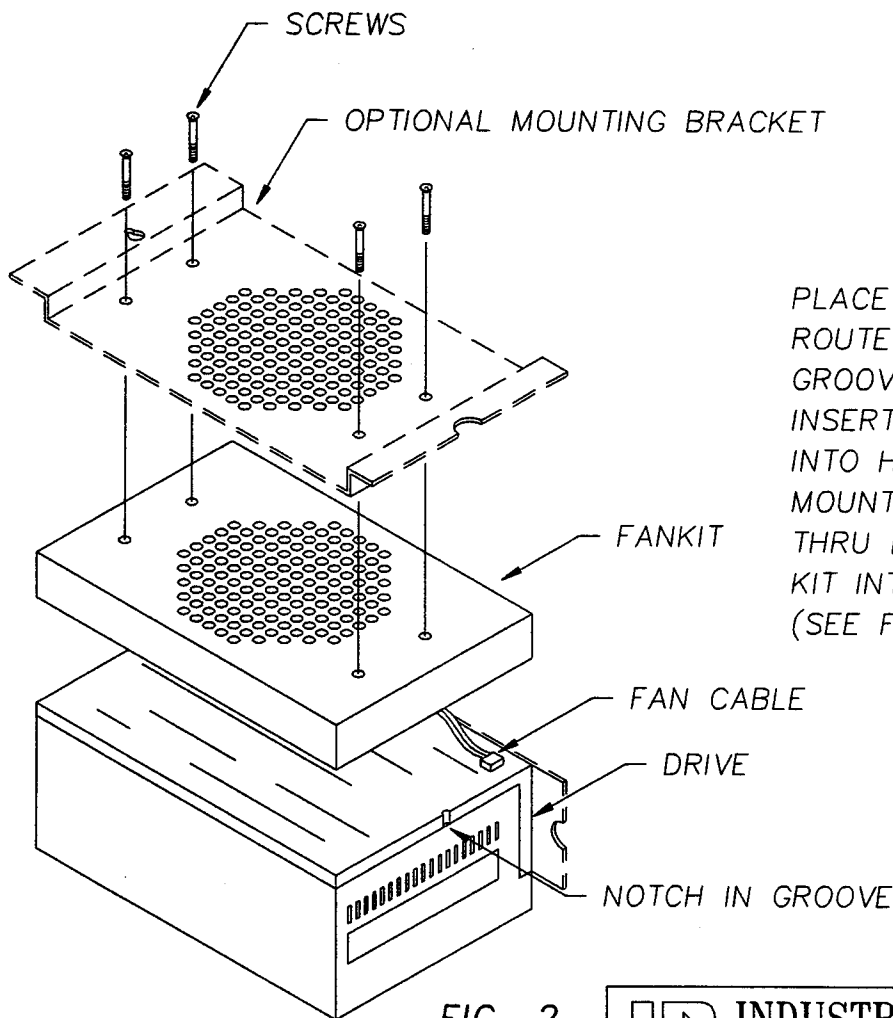
FIG. 5





PLACE DRIVE ON IT'S FACE, REMOVE SCREWS AND MOUNTING BRACKET. LOCATE THE NOTCH IN THE HEATSINK NEAR THE MOTOR AND POWER CONNECTORS. (SEE FIG. 1)

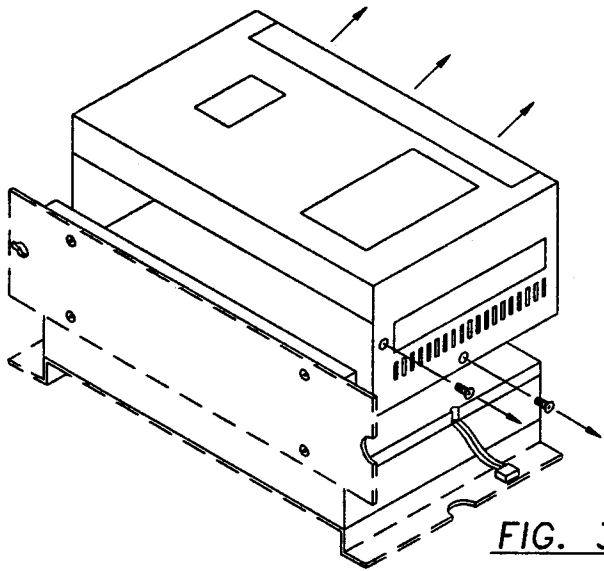
FIG. 1



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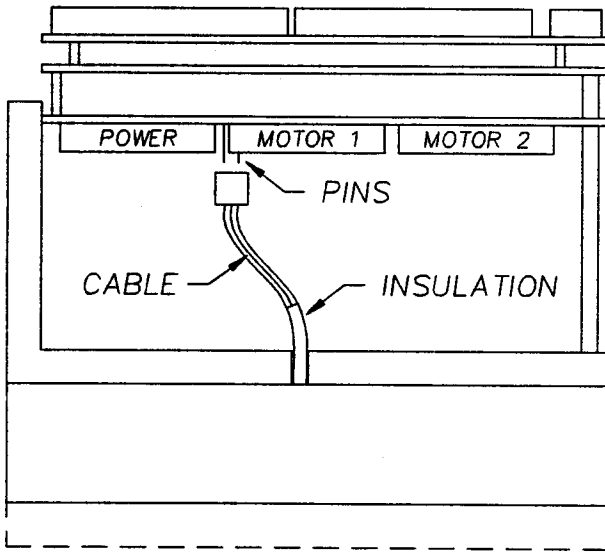
FIG. 2





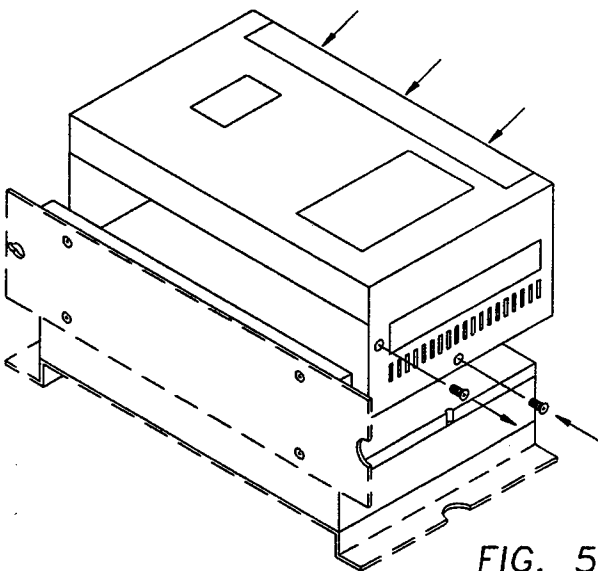
FLIP DRIVE OVER 180°, REMOVE THE SCREWS AND SLIDE COVER OFF. (SEE FIG. 3)

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FIG. 4



AFTER ATTACHING THE CABLE TO THE PINS, SLIDE COVER BACK ON DRIVE. INSERT THE SCREWS BACK INTO COVER AND TIGHTEN. (SEE FIG. 5)

FIG. 5



Warranty

Industrial Devices Corporation warrants this product to be free of defects in workmanship for a period of two years from the date of shipment to the end user. Products that have been improperly used or damaged, in the opinion of Industrial Devices Corporation, are not subject to the terms of the warranty.

Repairs & Returns

Industrial Devices Corporation maintains a repair facility at its factory in Novato, California for products manufactured by Industrial Devices Corporation. A complete inventory of parts is maintained for fast turn around.

Return Procedure

Prior approval by Industrial Devices Corporation is required before returning a product for any reason.

All returned packages must be accompanied by an RMA (Return Material Authorization) number. To obtain an RMA number, contact your local IDC distributor or Industrial Devices Corporation. Phone: (800) 747-0064 or (415) 883-3535. Fax: (415) 883-2094.

- | | |
|--------------------------|------------------------------------------------------------------------------------------------------------------------|
| ✓ Model/Serial Number | Obtain the <u>model</u> and <u>serial number</u> of the defective unit. |
| ✓ Purchase Order | Prepare a <u>purchase order</u> for possible repair cost, in the event the unit is not covered by warranty. |
| ✓ RMA Number | Contact your local IDC distributor or Industrial Devices Corporation (1-800-747-0064) to obtain an <u>RMA number</u> . |
| ✓ Description of Failure | Provide detailed information describing the <u>nature of the failure</u> . |
| ✓ Ship to IDC | <u>Ship unit prepaid</u> to: |

Industrial Devices Corporation
64 Digital Drive
Novato, CA 94949-5704
USA
Attn: RMA # _ _ - _ _ _ _ _



In Touch With IDC

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September 25, 1996

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To: All IDC Distributors
From: Dave Cary

Fan Kit(s) Gets Easier to Mount

The fan kit(s) offered with the new controls is now easier to mount in the field. This note is both notice to you and serves as an errata to the fan kit's installation instructions until it can be revised.

Original Mounting Scheme:

1. Used four long 6-32 screws to mount the kit. Finding the mounting holes in the heatsink was difficult.

New Mounting Scheme:

1. Thread four Male/Female standoffs into the heatsink holes previously used for the long 6-32 screws.
2. Place the kit (and optional bracket) on top of the standoffs. Make sure the kit is orientated and that the cable is routed per the manual.
3. Use the short screws provided to secure the kit to the standoffs.
4. Connect the cable as the original manual describes.

We've Moved To A Larger Facility!



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