

Figure 1

## 1. INTRODUCTION

Counterbalance Kit 58176-1, Ram Adapter Assembly Kit 58177-1 or 58177-2, and Board Support Plate Kit 58175-1 are designed to be installed onto GREENERD Manual Frame Assemblies 3A and 3B. These kits are used to adapt the frame assembly for seating connectors with ACTION PIN\* contacts onto a (pc) printed circuit board.

Read these instructions thoroughly before using the kits.

### NOTE



Dimensions in this instruction sheet are in millimeters [with inches in brackets]. Figures are not drawn to scale.

Reasons for reissue of this instruction sheet are provided in Section 5, REVISION SUMMARY.

## 2. DESCRIPTION

When properly assembled onto the frame assembly, the counterbalance kit balances the handle and ram, the board support plate kit supports the pc board during connector seating, and the ram adapter assembly kit prevents damage to the connector during seating.

## 3. INSTALLATION

Refer to Figure 1, and install the adapter kits as follows:

1. Install the counterbalance onto the handle of the frame assembly. Secure with the hardware.
2. Install the board support plate onto the base plate of the frame assembly. Insert the screw through the hole from the top of the plate. Secure with the hardware.

### NOTE



The board support plate can be installed in one of three positions. Choose the position that best supports the size of the pc board being used.

3. Insert the push block from the ram adapter assembly kit onto the ram adapter, making sure that the magnet in the ram adapter holds the push block. Install the ram adapter onto the ram of the frame assembly. Insert the dowel pin through the hole in the ram adapter.

## 4. REPLACEMENT AND REPAIR

Customer-replaceable parts are listed in Figure 2.

A complete inventory should be stocked and controlled to prevent lost time when replacement of

parts is necessary. Parts other than those listed should be replaced by Tyco Electronics Corporation to ensure quality and reliability. Order replacement parts through your representative, or call 1-800-526-5142, or send a facsimile of your purchase order to 717-986-7605, or write to:

CUSTOMER SERVICE (038-035)  
TYCO ELECTRONICS CORPORATION  
PO BOX 3608  
HARRISBURG PA 17105-3608

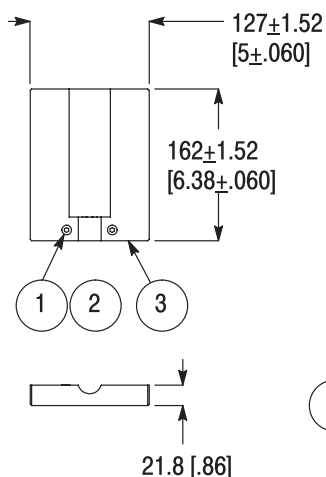
For customer repair service, call 1-800-526-5136.

## 5. REVISION SUMMARY

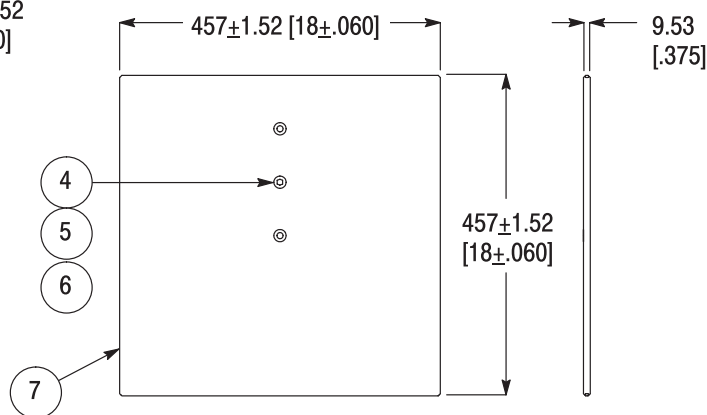
Revisions to this instruction sheet include:

- Updated document to corporate requirements
- Removed NOTE from Section 3, Step 3

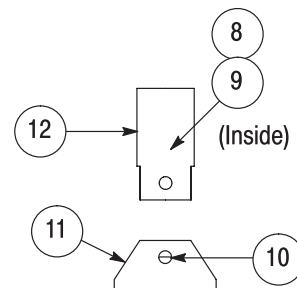
*Counterbalance Kit*



*Board Support Plate Kit*



*Ram Adapter Assembly Kit*



## REPLACEMENT PARTS

ITEM	PART NUMBER	DESCRIPTION	QTY PER KIT
1	1-21018-5	NUT, Hex, $\frac{5}{16}$ -18	2
2	2-21001-2	SCREW, Socket Head Cap, $\frac{5}{16}$ -18 $\times$ 1.50 L	2
3	312750-1	COUNTERBALANCE	2
4	1-21018-5	NUT, Hex, $\frac{5}{16}$ -18	1
5	5-21003-1	SCREW, Socket Head Cap, $\frac{5}{16}$ -18 $\times$ 1.75 L	1
6	21055-9	WASHER, Flat, $\frac{5}{16}$	1
7	312749-1	PLATE, Board Support	1
8	3-21000-4	SCREW, Socket Head Cap, 10-32 $\times$ .38 L	1
9	20908-1	MAGNET, 1.38 D $\times$ 1.19 L	1
10	6-21030-8	PIN, Dowel, .50 D $\times$ 2.25 L	1
11	312751-1	PUSH BLOCK, 25.4 $\times$ 102 [1 $\times$ 4] (Included with Kit 58177-1)	1
	312751-2	PUSH BLOCK, 25.4 $\times$ 152 [1 $\times$ 6] (Included with Kit 58177-2)	1
12	312752-1	ADAPTER, Ram	1

*Figure 2*