

GETTING STARTED

1.1 Introduction

This manual describes the installation and testing of the Wayne Hyper Peripheral Interface Board (HyperPIB). The manual is intended to be used for sites that are installing a new HyperPIB system with less than 24 fueling points, or sites that are installing new HyperPIB systems with more than 24 fueling points. The manual is also used for upgrading existing sites above 24 fueling points. The information in this manual is intended to be used by service representatives installing the system and by maintenance personnel.

For additional information about the Wayne 2400/Plus™ Management Control System (2400/Plus), refer to the following publication:

- *Operation and Programming, Wayne 2400/Plus Management Control System*, part number 917434

1.2 HyperPIB Overview

Installing the HyperPIB board, part number 881579-xxx, in the site controller; allows the 2400/Plus system to communicate with auxiliary controllers (AC). Auxiliary controllers are then able to operate in place of the Wayne 2400 Control console when controlling Wayne dispensers. Auxiliary controllers, such as Verifone, Suntronic, Allied or the Datarol 7100™, interface with the 2400/Plus system with an RS-232 cable installation, part number 887902-001.

1.3 Required Equipment

The following equipment is required to install the HyperPIB board and the interface cable.

Table 1-1. Required Equipment

Part Number	Description
#1	Phillips Head Screwdriver
916962	Anti-Static Wrist Strap

INSTALLATION

2.1 Introduction

The following information describes how to install the HyperPIB board and the RS-232 cable interface in the site controller.

2.2 Unpacking And Inspection

1. Before opening any cartons, count the number of cartons and verify the carton count against the supplied packing list.
2. Inspect the cartons for damage made during transit.
3. File claim information with the carrier on the bill of lading.
4. Retain cartons suspected of damage for future claim purposes.

CAUTION: To remove electronic components from static packages, you must wear an anti-static wrist strap, part number 916962. The wrist strap must be securely attached to an earth grounding point to prevent possible damage from static electricity.

5. Remove all equipment from the shipping cartons and carefully inspect for damage.

NOTE: Any damage should be brought to the attention of the carrier and claims made immediately. Return all equipment to the respective cartons for protection until actual installation is made. Save all cartons until it is certain that return shipments are not required.

2.3 Returning Damaged Components

Parts or components returned to the factory under warranty or for repair are subject to damage if not packaged properly. Complete the following steps to return parts or components to the factory.

1. Place electronic components in an anti-static bag and in the original shipping cartons for return shipment to the factory.

NOTE: If original shipping cartons are not available use a sturdy cardboard container and suitable packing materials such as anti-static polyethylene foam or bubble pack, to ensure the component is firmly packed.

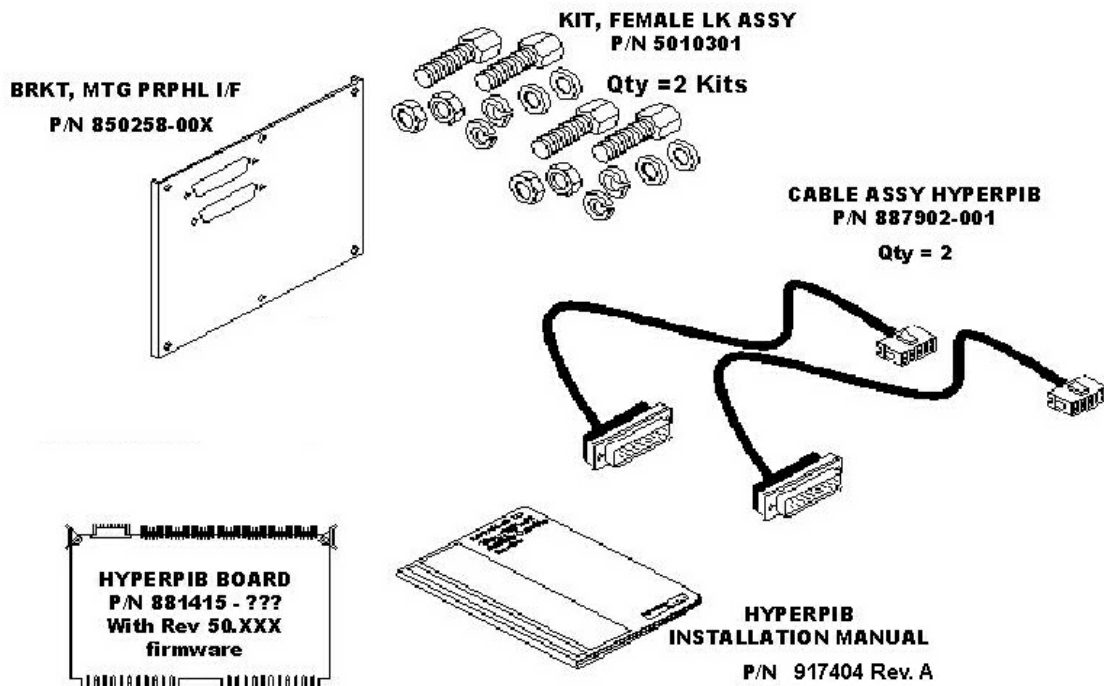
2. Include a Return Parts Tag with the defective component describing the particular problem with the part.
3. Make sure that adequate insurance is provided when returning parts to the factory.

WARNING: If the parts or components arrive at our factory in a damaged condition and it is determined that the damage is a direct result of inadequate or improper packaging, the damage will not be covered under the original warranty and the customer or distributor will be held responsible for the cost of repairs necessary to correct or replace the damaged parts.

2.4 HyperPIB Installation

2.4.1 Required Equipment

Verify the following items are available before attempting to install the HyperPIB.



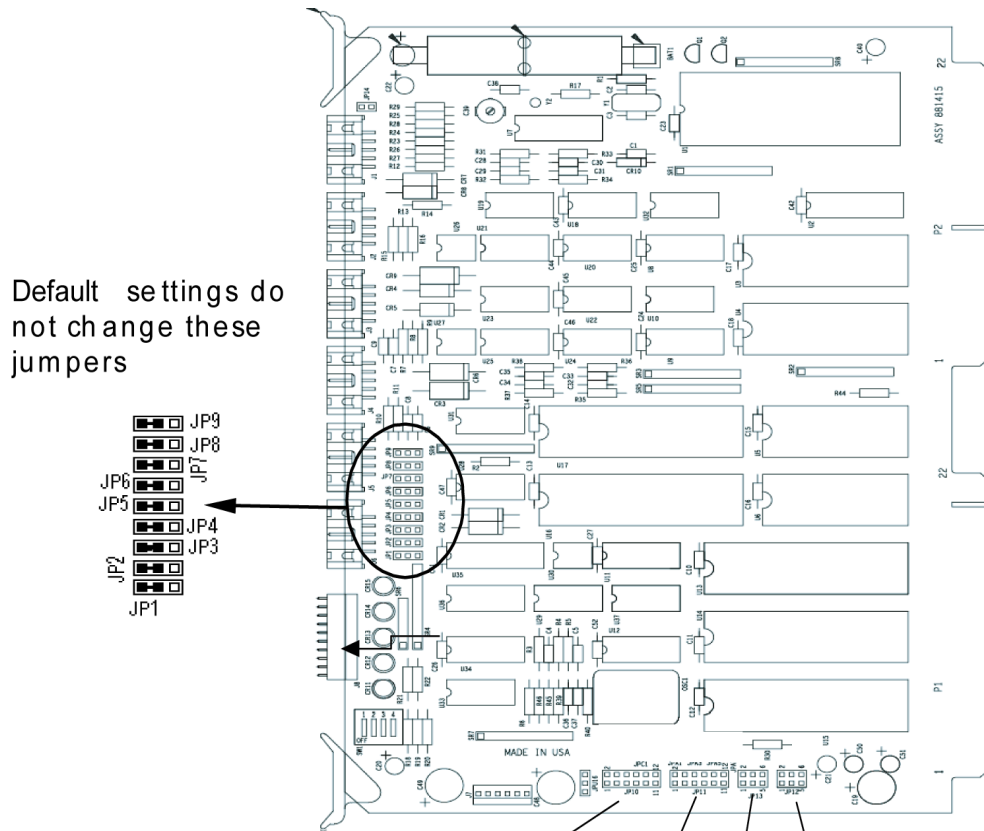
850258-00x	Mounting Bracket	(1)
5010301	Female Screwlock Kit	(2)
887902-001	RS-232 Interface Cable	(2)
881579-008	HyperPIB PCB Board	(1) < 24 Fueling Points
881579-009	HyperPIB PCB Board	(1) > 24 Fueling Points
889126-001	Arbitration Board	(1) > 24 Fueling Points
889198-001	Wiring Harness	

2.4.2 HyperPIB Board Configuration

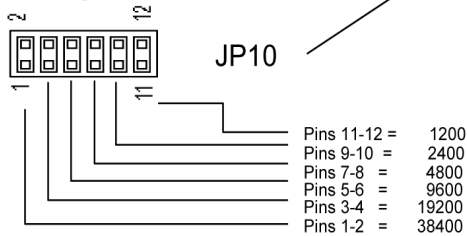
2.4.2.1 Jumpers and Switches

Set the AC (auxiliary controllers) baud rate(s) to match the AC(s) on site. Also verify DIP switch and other jumper settings on the boards to match the ones stated below.

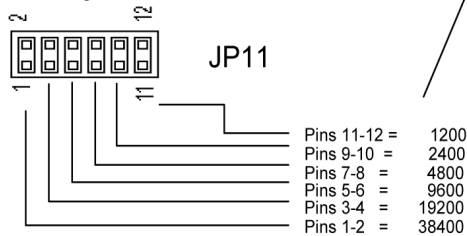
Figure 2-1 HyperPIB Board Jumper Settings (old version)



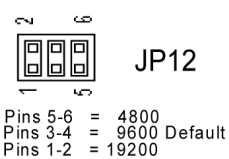
Secondary Auxillary Controller Board Rate Settings



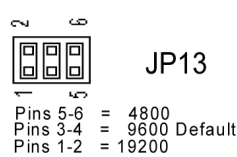
Primary Auxillary Controller Board Rate Settings



Pump/Console "B" Baud Rate



Pump/Console "A" Baud Rate



NOTE: JP14 should always be open and DIP switches 1-4 of SW1 should all be set to OFF position.

WAYNE HYPERPIB
PERIPHERAL INTERFACE BOARD
INSTALLATION MANUAL

Produced by Tom Sigmon

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"NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense."

