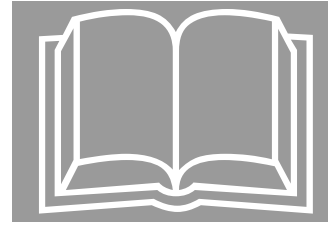


MARCH 6, 2006

UNITEC®

UT-ID 31.2-1



Drive Replacement Procedure

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DRIVE REPLACEMENT PROCEDURE

The components within the A*A21290Y* (90A) and A*A21290M* (120) drives have become obsolete and must be replaced by A*A21290BJ* (90A) and A*A21290BA* (120A) drives. These drives are sold on an exchange only basis. The new drive will not be shipped until UNITEC receives the old drive with the software.

These instructions are for illustrative purposes only and may not reflect actual conditions. Follow your company policy before removing all power on and around drive. Pursuant to UNITEC's terms and conditions (copied enclosed), UNITEC is not responsible for lost or damaged software or any other damage resulting from faulty installation.

NOTE: The new drive is slightly smaller than the old drive, but has brackets that will mount it in the existing holes.

1. Install the new drive.

- 1.1 Install the new drive onto the existing mounting holes on the controller.
- 1.2 Connect the power cable from the "old drive" to the new drive according to Table 1.

Table 1: Power Cables Connection

Cable from "Old Drive" Terminal	Connect to "New Drive" Terminal
R	R (TB2)
S	S of (TB2)
T	T of (TB2)
U	U of (TB1)
V	V of (TB1)
W	W of (TB1)
N(-)	BUS(-) of (TB1)
P	P of (TB1)
Po	Po of (TB1)
DBR	DBR of (TB1)

- 1.3 Connect the controller signal cables from the "old drive" to the new drive according to Table 2.

DRIVE REPLACEMENT PROCEDURE

Table 2: Signal Cables Connection

Cable from "Old Drive"		To "New Drive" Connector	
PC Board	Connector	Connector	PC Board
Processor Board (ABA26800GW4)	J6	J6	Processor Board (ACA26800VA1)
Interface Board (ADA26800MB1)	J10	J10	Low Voltage Interface Board (ABA26800XU2)
	J12	J12	
	J15	J15	
	J18	J18	
	J20	J20	

2. Brake Connection

NOTE: Skip these steps if the controller is not equipped with a mechanical machine brake.

The new drive requires two inputs into the drive to operate the mechanical machine brake. The old controller has only one input. A wire was shipped with the new drive to be used to adapt the "old" controller to the new drive, if required. Section 2.1 sets forth the necessary steps to identify if the existing controller requires additional input and identifies how to install this cable.

- 2.1 Inspect the cable on the plug, which is connected to the receptacle J18-4 (pin 4) located on the Low Voltage Interface Board. If there is no cable at this location, follow the next step to install this cable.

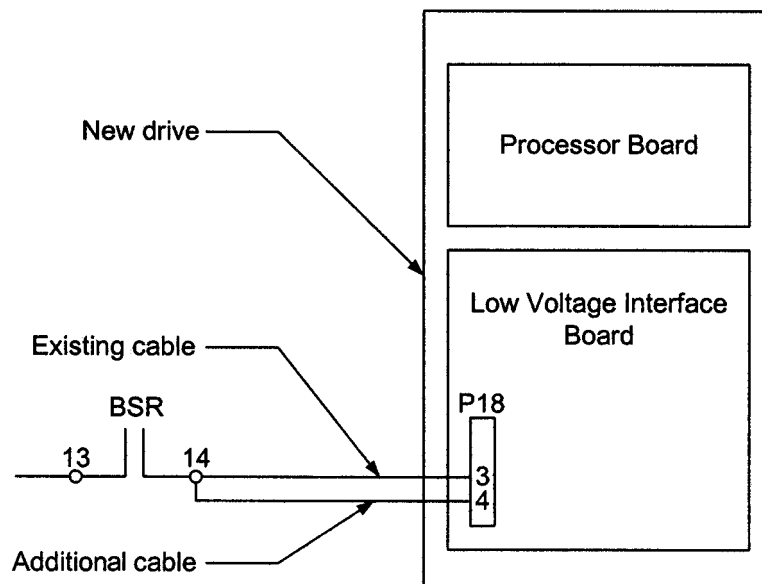


Figure 1: Additional Cable for the Brake on New Drive

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- 2.2 Insert one end of the cable with the connector clip to the plug on the receptacle J18-4 (pin 4).
- 2.3 Route this cable with existing harness to the BSR relay and connect the other end to pin 14 of this relay.

WARNING: After installation of the drive, verify its operation and performance by following your company's safety policy.