



8510 AC Spindle Drive Panel Mounting Adapter Kits

(Cat. No. 8510SA-MPxx)

Instructions

Introduction

The basic 8510 AC Spindle Drive is designed to be mounted with the heat sink extending through a hole in the back of the enclosure. This vents much of the drive heat outside the enclosure. As an alternative, a Panel Mounting Adapter Kit can be used to mount the drive completely inside the enclosure. The following table shows which Panel Mounting Adapter Kit is used with each drive size.

<u>Drive Catalog No.</u>	<u>Adapter Kit No.</u>
8510A-A04-x1	8510SA-MP04
8510A-A06-x1	8510SA-MP06
8510A-A11-x2	8510SA-MP11
8510A-A22-x2	8510SA-MP22

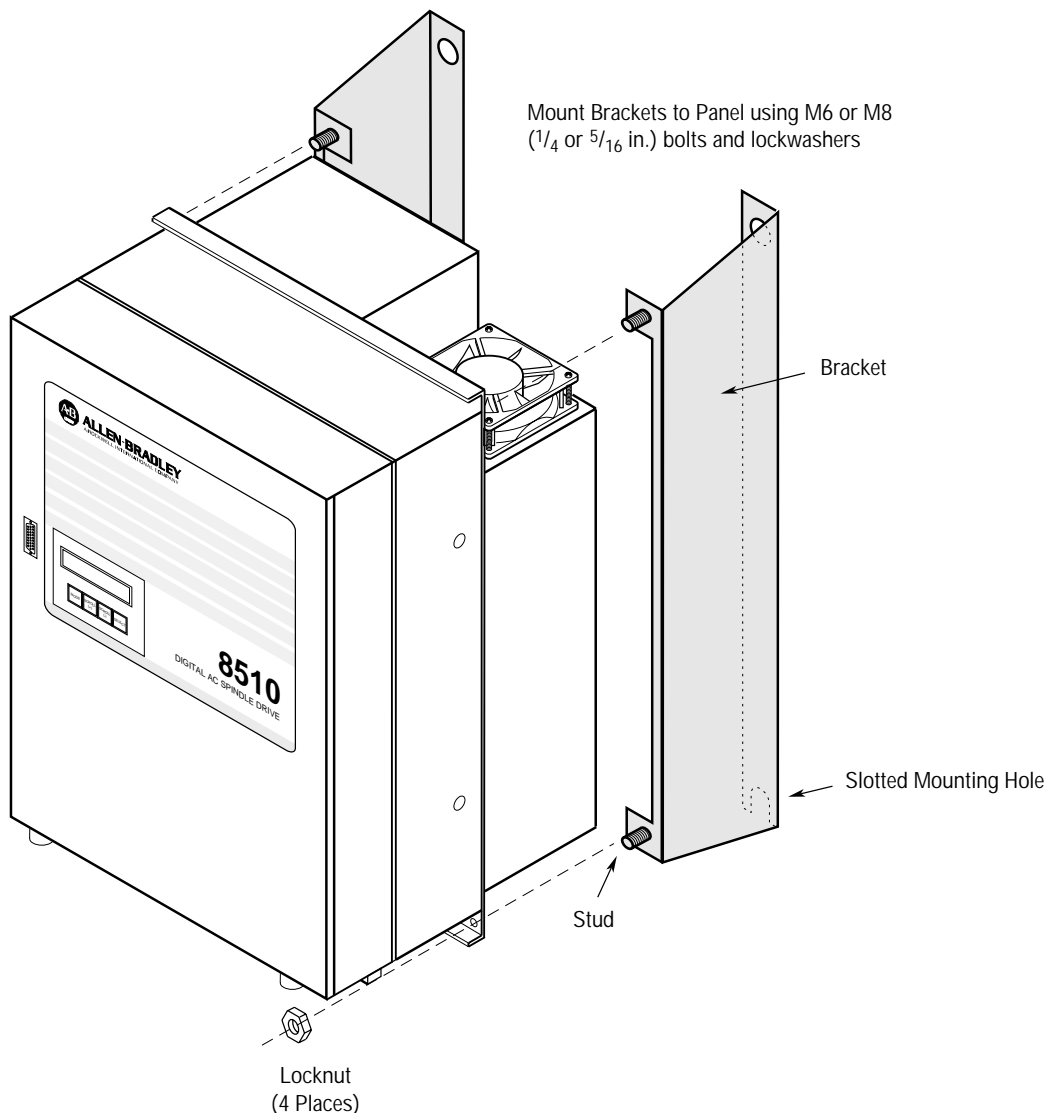
Important: You must size the enclosure to dissipate the heat generated by the drive either through convection cooling or through use of an air conditioner or air to air heat exchanger. Refer to chapter 5 in the *8510 User Manual* (publication 8510-5.1), for information on drive thermal dissipation and derating at increased ambient temperatures.

Installation

The following describes the steps you must perform to mount the 8510 using the Panel Mounting Adapter Kit.

1. Using the information above, verify that the correct kit is being used. Also verify that two (2) mounting brackets and four (4) M6 locknuts (nuts with integral lockwasher) have been included (see Figure 1).
2. The mounting brackets bolt to the drive by inserting the studs on the brackets into the normal drive mounting holes. The brackets must be positioned with the slotted mounting holes at the bottom of the drive. Use the supplied locknuts to attach the brackets. Tighten the nuts to 5.5-7 N-m (50-70 lb.-in.) of torque.
3. Refer to Chapter 3 of the *8510 User Manual* for the mounting dimensions for the assembled drive unit. Securely bolt the drive (and brackets) to the panel. Use M6 or M8 (1/4 or 5/16 in.) bolts with lockwashers.

Figure 1
Drive Mounting with Panel Mounting Adapter Kit



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