

# Conduit Box Kit No. 5200-101-012

## Installation Instructions

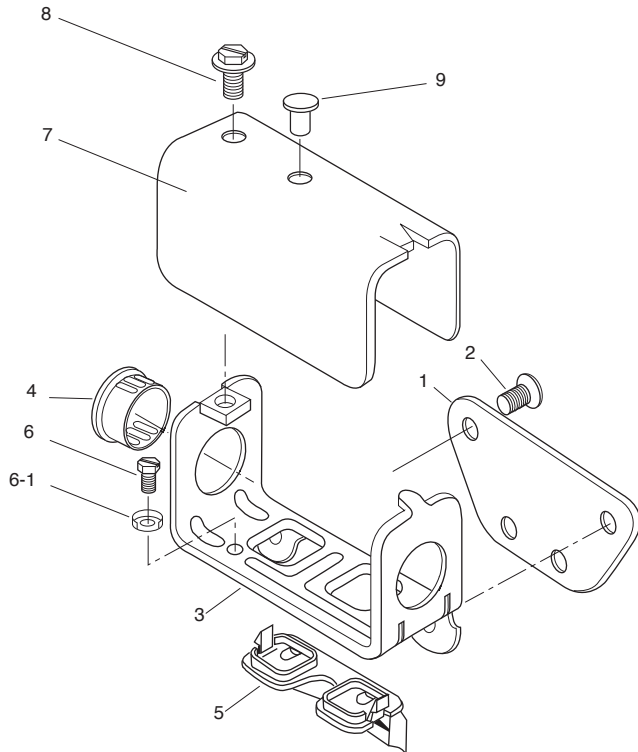
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**Warner**<sup>®</sup>  
*Electric*

*An Altra Industrial Motion Company*

## Components



## Parts List for kit 5200-101-012

Item	Quantity	Part Name
1	1	Bracket
2	4	Screw, Flat Head
3	1	Box, Conduit
4	1	Plug, Protective
5	1	Retainer, Wire
6	1	Screw, Hex, Washer Head Green
6-1	1	Terminal, Ring
7	1	Cover
8	1	Screw, Hex, Washer Head
9	1	Plug, Protective

**Note: All mounting screws are self-tapping.**

## Introduction

Conduit box kit No. 5200-101-012 contains all components needed to assemble a conduit box for Warner Electric SF-825 through 1525 and EC-825 clutch fields. Wiring terminations are not provided. Consult local electrical codes for proper wiring terminations required. This conduit box will provide a proper means for wiring terminations and conforms to the requirements of Underwriters Laboratories.

**⚠ WARNING** Failure to follow these instructions may result in product damage, equipment damage, and serious or fatal injury to personnel.

**⚠ CAUTION** Do not connect rigid conduit directly to the conduit box. A minimum of 12" of flexible liquid tight conduit or other suitable flexible wiring with appropriate fittings is required. Flexible wiring is required to prevent side loading of bearing on bearing mounted clutches and possible deformation of the conduit box or components during assembly.

### Step 1

Assemble a customer supplied flexible wiring connector into the desired end of the conduit box (3). Press protective plug (4) into unused conduit hole.

Thread green washer head hex screw (6) into round hole in base of conduit box. Place terminal ring (6-1) over screw before inserting.

Insert wire retainer (5) into square holes in conduit box base. Insert wire retainer from the bottom of the conduit box, longest portion of retainer towards mounting flange. (See Figure 1)

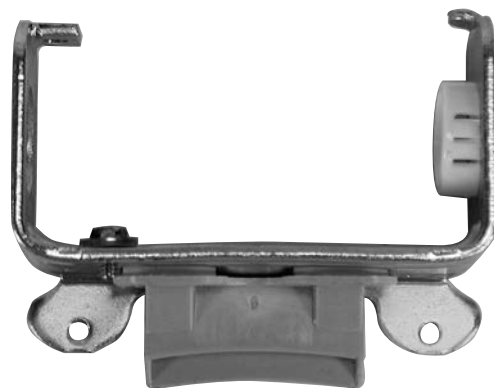


Figure 1

## Step 2

Follow either A or B, depending on field mounting:

### A. Inside Mounted Fields and Outside Mounted 825

Fasten bracket (1) to the back of the field by assembling two No. 10-32 undercut flat head machine screws (2) into the holes provided. Screws are self-tapping, holes in the field are not threaded. (See Figure 2)



Figure 2, Inside mount

### B. Outside Mounted Fields

Bracket (1) and two of the four flat head machine screws (2) are not required on these fields. (See Figure 3)



Figure 3, Outside Mount

## Step 3

Mount conduit box (3) to the bracket (1) on inside mount clutches, or to the mounting flange on outside mount clutches. Feed field wires through wire retainer before mounting conduit box. The conduit box must be on the front side of the bracket (1). Secure the box with two No. 10-32 undercut flat head machine screws (2). All flat head machine screws are inserted in the countersunk holes in the bracket or mounting plate. (See Figure 4)

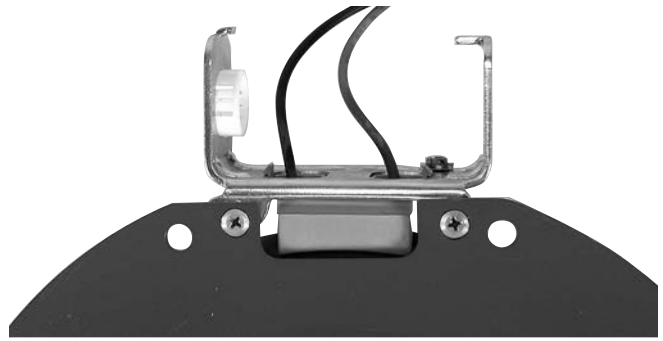


Figure 4

## Step 4

Connect electric supply cable to the fitting installed on the conduit box. If an external power supply is furnishing DC current to the clutch, proceed to Step 5 and skip Step 6. If a Warner Electric CBC-100 power supply is being installed in the conduit box, skip Step 5 and proceed to Step 6.

## Step 5 - DC Connection

Connect the two supply wires to the two lead wires from the clutch field with insulated wire nuts or other approved connectors. Connections must be insulated appropriately to meet local electrical codes. Install plug (9) into cover hole.

## Step 6 - AC Connection

If the two supply wires entering the conduit box are AC and the CBC-100 power supply is used, refer to installation sheet P-266 provided with the CBC-100, following instructions carefully. To mount the CBC-100 to the conduit box, place the control into the cover so the curved surfaces conform, line up the cover hole with the control mounting hole and fasten with screw provided in the mounting kit. Proper connection of wires is important for proper service.

## Step 7

A ground wire is recommended for grounding of the conduit box and clutch field. Connect this wire with the green ground screw (6) to the hole in the floor of the box. Consult local codes regarding grounding requirements.

## Step 8

Install cover (7) by sliding the slot in the cover over the tab on one end of the conduit box and secure the cover on the opposite end with one No. 10-32 hex washer head screw (8).

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