

# Removing or changing a Beckhoff AX8000 series servo drive

This is the process of removing or changing a Beckhoff AX8000 series servo drive. Unlike the AX5000 series, these drives are all supplied by one power unit containing the 3-phase and 24v connections (underneath) as well as the EtherCAT connections (on the front). All the drives in the unit are then connected together by design.

 Difficulty **Medium**

 Duration **15 minute(s)**

## Contents

- Items
- Step 1 - Power off drives at circuit breaker
- Step 2 - Remove servo cables from bottom of drive
- Step 3 - Unclip connections on front of drive
- Step 4 - Remove all bolts holding on the drive being changed
- Step 5 - Remove drive by pulling towards you
- Step 6 - Insert new drive and reverse steps to connect
- Comments

## Items

 `[[Item:]]` A fatal error occurred in the #info parser function

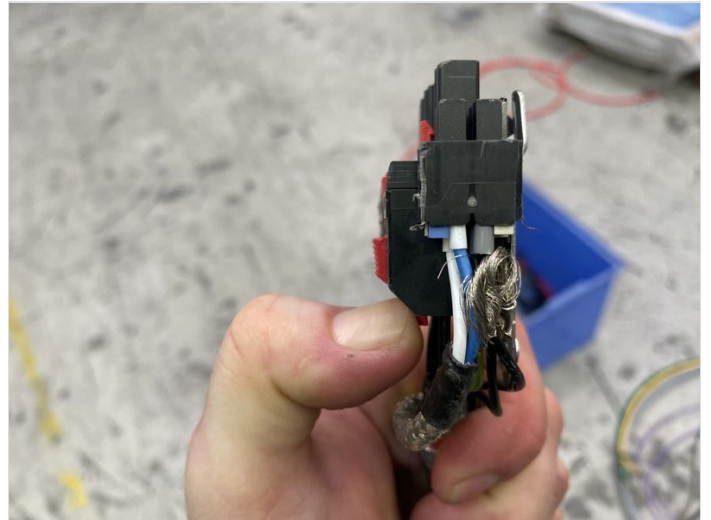
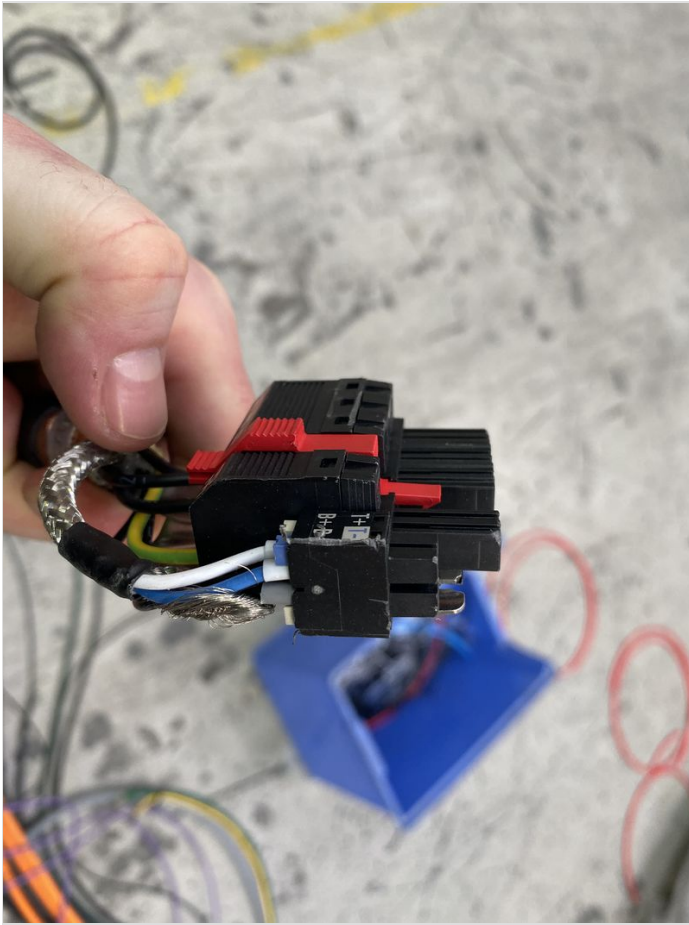
## Step 1 - Power off drives at circuit breaker

Circuit breaker will be labelled 'Servo Drives'

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## Step 2 - Remove servo cables from bottom of drive

Underneath the drive is the connections to the servo motors. The plug is as pictured. Find the red plastic catch and press in towards the metal part of the plug as shown. The movement on this is very minimal so can be deceptive as to whether it is doing anything or not. When pressed in, wiggle the plug until it comes out.



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## Step 3 - Unclip connections on front of drive



...When unclipped the black plastic connections need to be pushed all the way up so they are at 90 degrees to the drive

Slide the big black plastic connector all the way to the right.



## Step 4 - Remove all bolts holding on the drive being changed



...There is an earthing connection underneath the drive which also must be removed.

## Step 5 - Remove drive by pulling towards you

## Step 6 - Insert new drive and reverse steps to connect



...Remember the earthing connection underneath



...Ensure black slider is pushed all the way across to the left when connecting as this is what provides power to the remaining drives.

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