Ambition Beams

Add-on Kit

Installation Guide

Ambition Beam Add-On Kit // Rev A
2) Tools and Supplies Required

- Drill/Driver
- 1/4” Hex Drive Bit or Allen Wrench
- #2 Square Drive Bit
- #2 Phillips Drive Bit
- 3/8” Nut Driver Bit
- Socket Wrench/Ratchet
- Socket Wrench Extension
- 1/4” & 3/8” Socket Set
- 5/16” Drill Bit
2) Tools and Supplies Required

Marker/Pen

Level

Hammer Punch
1) Parts and Fasteners Included

- **Aluminum Support Bar** (1x)
- **5/16”-18 x 2 3/4” Socket Head Screw** (1x)
- **5/16” Square Nut** (1x)
- **1/4”-20 x 1/2” Hex Bolt** (16x)
- **10-24 x 3/8” Phillips Machine Screw** (2x)
- **10-24 Hex Nut** (2x)
- **Jig for Support Bar Holes**
- **Jig for Connection Block Holes**
- **Connection Block** (2x)
1) Parts and Fasteners Included

- 1-1/4" Socket Head Screw (6x)
- 1/4" Split Lock Washer (6x)
- #8-32 x .75, Flat Head Machine Screw
- Connection Block Plate (2x)
3) Assembly Overview

1. Decide which end of the existing beam is receiving the add-on and remove the leg bolts to move the end leg temporarily, so that the beam is still supported.

2. Remove top cap, end cap, and beltways of existing beam, and keep for later.

3a.) Using the support bar jig provided, slide it onto the top of the beam as shown in red for clarity. Mark hole locations (8x) with a hammer punch or marker. Drill thru 1 wall using the 5/16” drill bit. Remove jig when complete.

Note: If power blocks are interfering with this step, please see next sheet for power block removal. Otherwise, proceed to step 4.
3) Assembly Overview

**Power Block Removal**

3b.)

1) Disconnect jumper(s).

2) Remove power block from brackets.

3) Remove the brackets from the beam by removing 4 screws.
3) Assembly Overview

4. Using the connection block jig provided, slide it onto the bottom of the beam as shown in red for clarity. Mark hole locations with a hammer punch or marker. Mark as many holes as available. Drill thru 1 wall using the 5/16” drill bit. Remove jig when complete.

5. Attach a new mid cap from the received add-on beam kit using #8-32 x .75” flat head screw (4x).

6. Using the newly drilled holes from step 4, attach the connection block & plate as shown on the underside of the beam with 1-1/4” socket head screw and 1/4” lock washer (2x).
3) Assembly Overview

7. Slide the **support bar** into the opening. Line up the newly drilled holes from step 3. Finger tighten the **1/2” hex bolts** in (8x).

8. With a mid-run end cap on the new received beam, slide it onto the **support bar** lining up the holes. Finger tighten **1/2” hex bolts** (8x). Fasten the tops of the end caps with the **3/8” machine screw** and **hex nut** provided (2x). **Note:** Beam may need to be temporarily supported during this step.

9. Insert the **2 ¾” socket head bolt** into the large round hole on one **connecting block** and insert the **square nut** into the rectangular hole on the other **connecting block** (shown in red for clarity). **Note:** With **socket wrench**, fully tighten while beam is level and connection is flush.
3) Assembly Overview

10. Finish tightening the 1/2" hex bolts with a ratchet into the support bar (16x) from step 7 and 8. Check that the beam remained level.

11. Re-attach power block(s), power/data cords & jumpers to desired locations.

12. Re-attach top cap, end cap, and beltways from step 1.

13. Relocate existing leg from step 1 to the new end position and fasten with the leg bolts saved from earlier. Depending on your application, an additional mid-leg may be required – refer to your Enwork quotation or Enwork Price List for Ambition Planning – Configuration.