Killion Belt Size and Motor Reference Guide

Take Away Belts - 11-13" Width

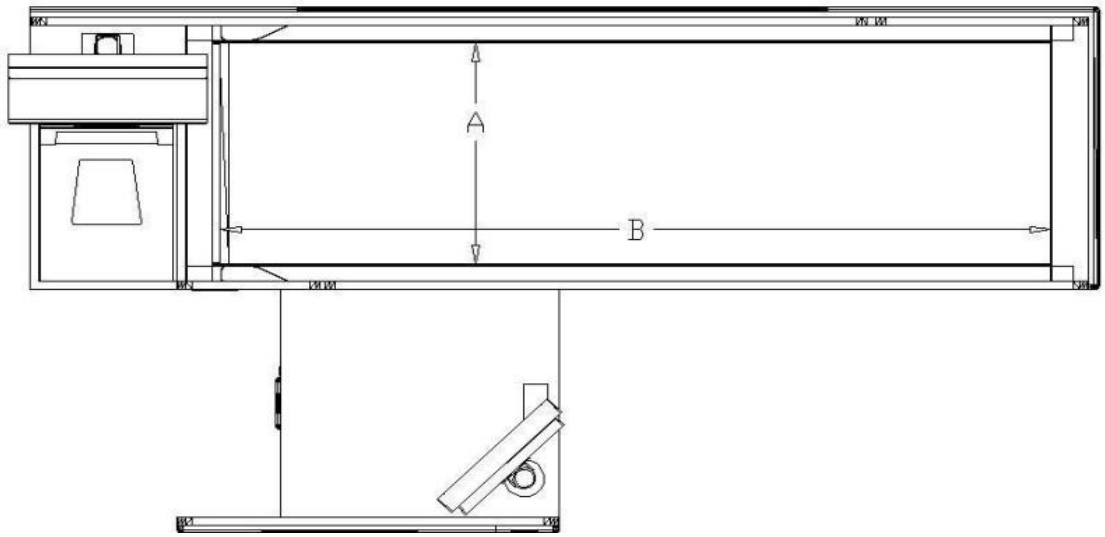


Diagram of Lead In Belt Drive

Take belt measurement to 1/16". Measure the exposed belt width 'A' and length 'B'.
To easily measure the length of the belt, place a strip of masking tape around the belt and mark the tape at the overlap point. Then remove the tape and measure the total length.

A - Exposed Belt Width:
Measure the actual belt width is to 1/16" (column 3)
MOTOR for this size belt width is a 12" Powerroll. (see parts order form)

B - Total Belt Length:
The measurement for "B" is the Total Belt Length. (actual belt size)

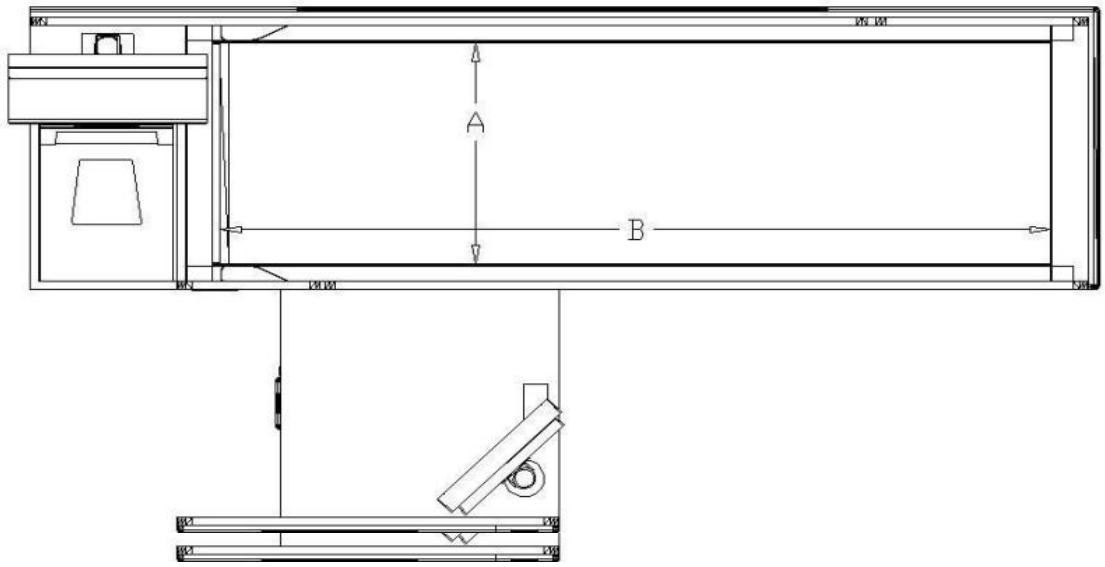
Find the Exposed Belt Width in column 1.
The corresponding measurement in column 3 is the Actual Belt Size.

1	2	3	
Exposed Belt Area	**Part #**	**Actual Belt Size**	**Model**
11" x 60"	13-0042	10-13/16" x 127-3/4"	KCU 2500
11" x 66"	13-0035	10-13/16" x 139-3/4"	KCU 2500
13" x 18"	13-000X	12-13/16" x 44-3/4"	KCU 3500 NYC
13" x 24"	13-0043	12-13/16" x 56-3/4"	KCU 1500 Mini, 3500 NYC
13" x 30"	13-0032	12-13/16" x 68-3/4"	KCU 1500 Mini, 3500 NYC
13" x 36"	13-0028	12-13/16" x 80-3/4"	KCU 1500
13" x 42"	13-0003	12-13/16" x 92-3/4"	KCU1500, KCh 2000, 3000
13" x 48"	13-0001	12-13/16" x 104-3/4"	KCU1500, KCh 2000, 3000
13" x 54"	13-0002	12-13/16" x 116-3/4"	KCU1500, KCh 1000, 3000
13" x 66"	13-000X	12-13/16 x 139-3/4"	KCU 1500
13" x 30"	13-0034	13-1/8" x 68-5/8"	KCU 1500 Slide Back
13" x 33"	13-000X	13-1/8" x 74-5/8"	KCU 1500 Slide Back
13" x 36"	13-0039	13-1/8" x 78-5/8"	KCU 1500 Slide Back
13" x 38"	13-0026	13-1/8" x 80-5/8"	KCU 1500 Slide Back
13" x 42"	13-0024	13-1/8" x 92-3/4"	KCU 1500 Rays
13" x 48"	13-0025	13-1/8" x 105-3/4"	KCh 2000

Please Utilize this Belt Guide and Submit with the Parts Order Form When Placing your Order.

Killion Belt Size and Motor Reference Guide

Lead-In Belts - 18" Width



Take belt measurement to 1/16". Measure the exposed belt width 'A' and length 'B'. To easily measure the length of the belt, place a strip of masking tape around the belt and mark the tape at the overlap point. Then remove the tape and measure the total length.

A - Exposed Belt Width:

The actual belt width is 18 13/16" (column 3)
MOTOR for this size belt width is an 18" Powerroll. (see parts order form)

B - Total Belt Length:

The measurement for "B" is the Total Belt Length. (actual belt size)

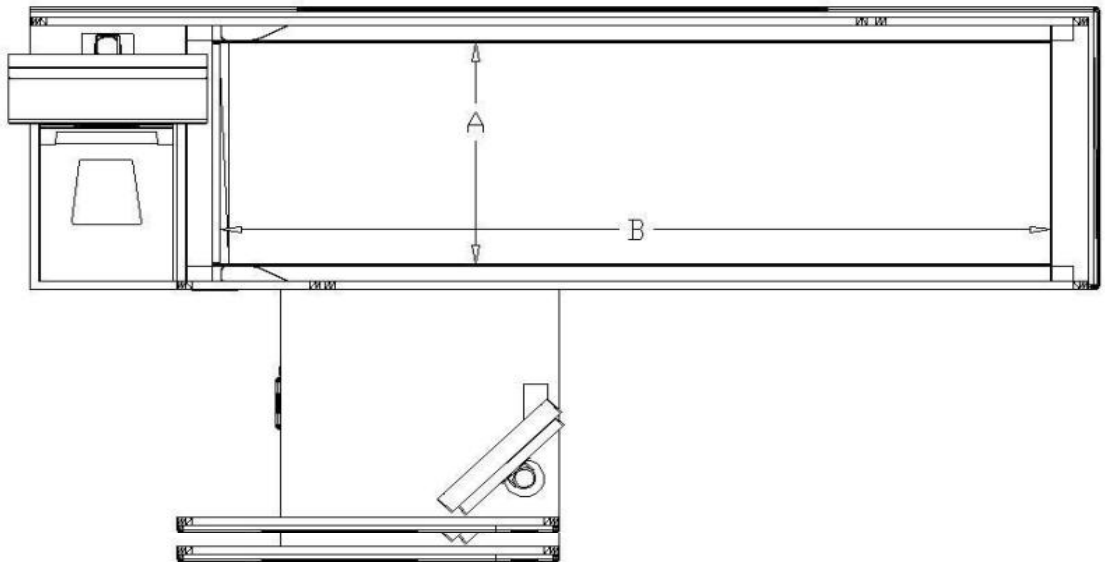
Find the Exposed Belt Width in column 1.
The corresponding measurement in column 3 is the Actual Belt Size.

1	2	3	
Exposed Belt Area	**Part #**	**Actual Belt Size**	**Model**
19" x 24"	13-0072	18-15/16" x 56-3/4"	KCu 3500 Mini
19" x 30"	13-0008	18-13/16" x 68-3/4"	KCu 3500 Mini, 4500
19" x 36"	13-0009	18-13/16" x 80-3/4"	KCU 3500 Mini
19" x 42"	13-0033	18-13/16" x 92-3/4"	KCU 3500, 5000
19" x 48"	13-0004	18-13/16" x 104-3/4"	KCU 3500, 5000
19" x 54"	13-0027	18-13/16 x 116-3/4"	KCU 1000
19" x 60"	13-0005	18-13/16" x 127-3/4"	KCU 1000
19" x 66"	13-0006	18-13/16" x 139-3/4"	KCU 1000, 1500, 3500
19" x 72"	13-0007	18-13/16" x 151-3/4"	KCU 1000, 1500, 3500
19" x 78"	13-0037	18-13/16" x 163-3/4"	KCU 1000
19" x 84"	13-0020	18-13-16" x 175-3/4"	KCU 1000
19" x 90"	13-000X	18-13/16" x 187-3/4"	KCU 2500

Please Utilize this Belt Guide and Submit with the Parts Order Form When Placing your Order.

Killion Belt Size and Motor Reference Guide

Lead-In Belts - 21" Width



Take belt measurement to 1/16". Measure the exposed belt width 'A' and length 'B'. To easily measure the length of the belt, place a strip of masking tape around the belt and mark the tape at the overlap point. Then remove the tape and measure the total length.

A - Exposed Belt Width:

The actual belt width is 20 13/16" (column 3)
MOTOR for this size belt width is a 20" Powerroll. (see parts order form)

B - Total Belt Length:

The measurement for "B" is the Total Belt Length. (actual belt size)

Find the Exposed Belt Width in column 1.
The corresponding measurement in column 3 is the Actual Belt Size.

1	2	3	
Exposed Belt Area	**Part #**	**Actual Belt Size**	**Model**
21" x 24"	13-0045	20 13/16" x 56 3/4"	KCu 3500 Mini
21" x 30"	13-0015	20 13/16" x 68 3/4"	KCu 3500 Mini, Kcu 4500
21" x 36"	13-0016	20 13/16" x 80 3/4"	KCu 3500 Mini
21" x 42"	13-0017	20 13/16" x 92 3/4"	KCu 5000,3500
21" x 48"	13-0010	20 13/16" x 104 3/4"	KCu 3500,5000
21" x 54"	13-0011	20 13/16" x 116 3/4"	KCu3500,5000,1000
21" x 60"	13-0022	20 13/16" x 127 3/4"	KCu3500,1500,1000
21" x 66"	13-0012	20 13/16" x 139 3/4"	KCu3500,1500,1000
24" x 66"	13-0018	23 13/16" x 139 3/4"	KCu 3500
21" x 72"	13-0013	20 13/16" x 151 3/4"	KCu 3500,1500,1000
21" x 78"	13-0014	20 13/16" x 163 3/4"	KCu 1500
21" x 84"	13-0021	20 13/16" x 175 3/4"	KCu 1000

Please Utilize this Belt Guide and Submit with the Parts Order Form When Placing your Order.

CONVEYOR BELT AND POWERROLL MOTOR REPLACEMENT INSTRUCTIONS FOR STANDARD BELT DRIVES

These instructions are for a standard belt drive system. See the following page for slide-back belt drives.

TOOLS:

- Phillips head screwdriver
- 9/16" socket wrench

WARNING – make sure the main power to the checkstand is OFF before accessing electrical components.

STEPS:

1. Disconnect main power from the checkstand.
2. Open the electrical access panel.
3. Disconnect Powerroll lead wires to capacitor box. (See Figure 1.)

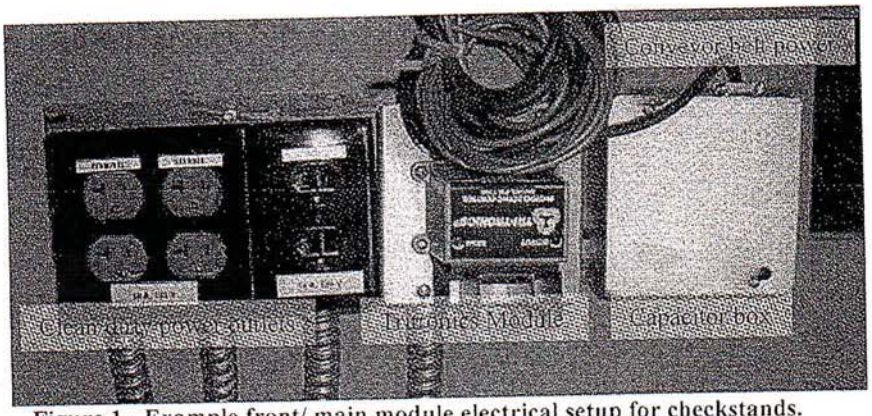


Figure 1 - Example front/ main module electrical setup for checkstands.

4. Remove stainless steel front & rear transition plates on both ends of the belt.
5. Unplug and remove electric eyes. Remove product diverter, if present.
6. Remove belt drive unit from checkstand by lifting straight up. Set the belt unit on its side, using wood spacers for support, so that Powerroll lead is on top side. See Diagram 'B-1'.

7. Fully loosen belt tension by turning the two tension bolts located at the front of the belt counter clockwise. Then remove top side tension bolt only.

8. Remove 9/16" hex-nut(s) along lower portion of side rail (top side).

9. Remove pan-head screws from bottom side of conveyor slider deck.

10. Lift side rail straight up to remove.

11. Pull Powerroll straight up & out of bushing.

12. Reverse above procedure to install new Powerroll or belt replacement. Adjust belt tracking and tension. (See instructions.)

CONVEYOR BELT AND POWERROLL MOTOR REPLACEMENT INSTRUCTIONS FOR SLIDE-BACK BELT DRIVES

These instructions are for a slide-back belt drive system. See the previous page for standard belt drives.

TOOLS:

- Phillips head screwdriver
- 9/16" socket wrench

WARNING – make sure the main power to the checkstand is OFF before accessing electrical components.

STEPS:

1. Disconnect main power from the checkstand.

2. Open the electrical access panel.

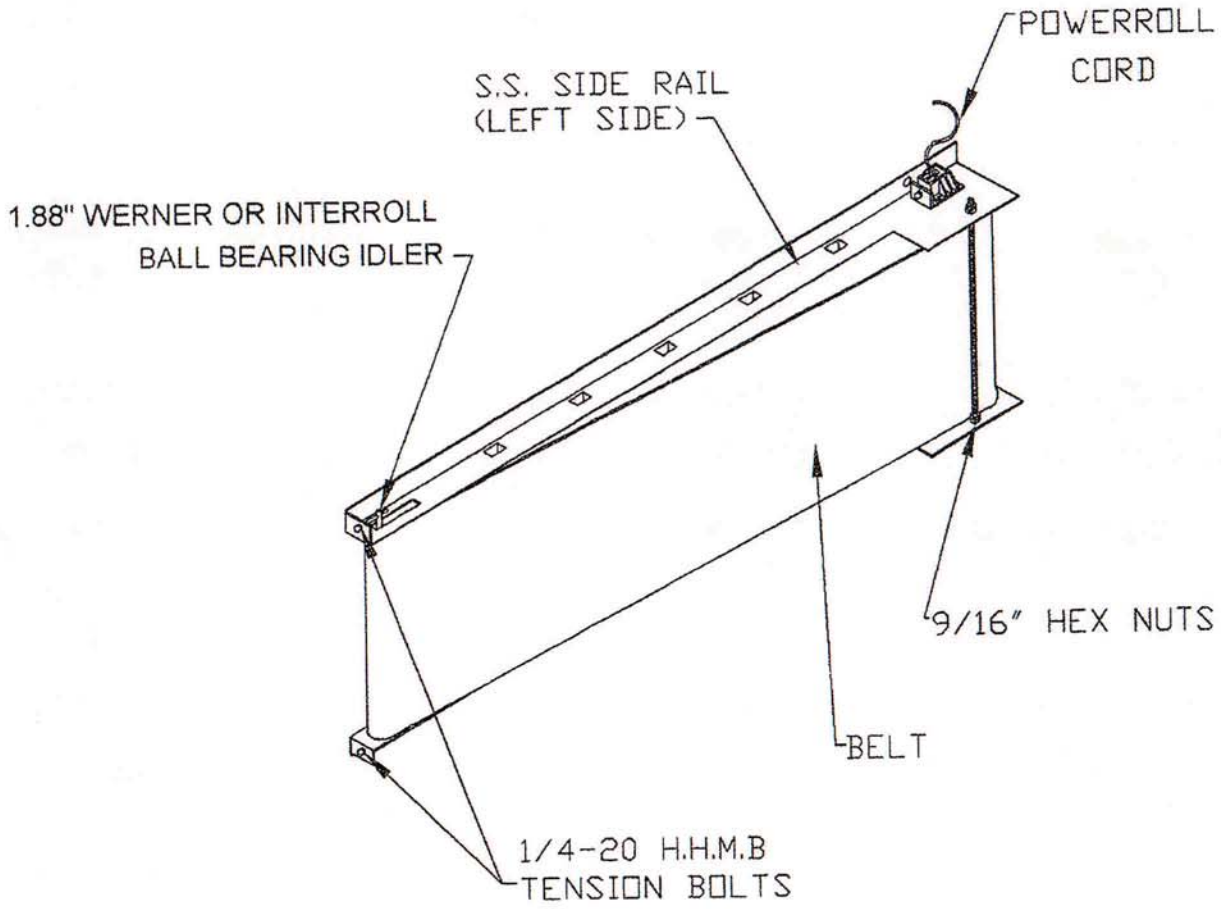
3. Disconnect Powerroll lead wires to capacitor box. (See Figure 1.)

4. Remove the stainless steel front and rear transition plates.

5. Fully extend the slide-back belt drive. On the under side of the belt carriage, remove the 1/4-20 bolts holding the belt to the full extension glides.

6. Remove the belt drive unit by sliding it towards the rear of the checkstand and lifting the belt drive unit straight up. Set the belt drive on its side using wood spacers for support so that the powerroll lead is on top side. See Diagram 'B-2'.

DIAGRAM 'B-1'



manufactured by:

KILLION INDUSTRIES, INC.

1380 Poinsettia Ave.
Vista, CA 92081

voice: 800-421-5352
fax: 760-727-5108
email: sales@killionindustries.com

DESCRIPTION: DIAGRAM 'B-1' STANDARD BELT DRIVE

CUSTOMER: KILLION KCu & KCh MODEL CHECKSTANDS

DO NOT SCALE
DATE: 09/05/06
BY: ETT/ rev.KF

SAVED AS: diagram B.dwg

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. ALL DIMENSIONS ARE NOMINAL.

7. Fully loosen the belt tension by turning the two tension nuts on the front of the belt housing counter clockwise.

8. Remove the Phillips flat head screws closest to the belt (near the top side of the belt housing).

9. Remove the Phillips pan head screws holding the bottom deck of the belt drive.

10. Lift the side rail straight up to remove it.

11. Pull the Powerroll straight up and out of the bushing.

12. Reverse above procedure to install new Powerroll or belt replacement. Adjust belt tracking and tension. (See instructions.).

CONVEYOR BELT ADJUSTMENT INSTRUCTIONS

(Reference Diagrams 'C-1' & 'C-2' showing location of belt tension bolts)

TO ADJUST TRACKING OF BELT:

1. Remove the stainless steel front transition plate with a Phillips head screwdriver. If your belt is a reverse drive conveyor belt, then you must remove the rear transition plate for the belt.

2. Start belt running using on-off switch or hip switch, as appropriate.

3. If the belt is running to one side, adjust that side by tightening, (turning clockwise) the adjustment bolt about 1/4 of a turn using a 7/16" wrench.

4. Allow belt to run for at least 5 minutes before making another adjustment. This prevents over-adjustment.

5. Make finer adjustments as necessary.

TO CHECK AND ADJUST THE TENSION OF THE BELT:

1. Place both hands on top of the running belt (near center) and press firmly against the movement of the belt.

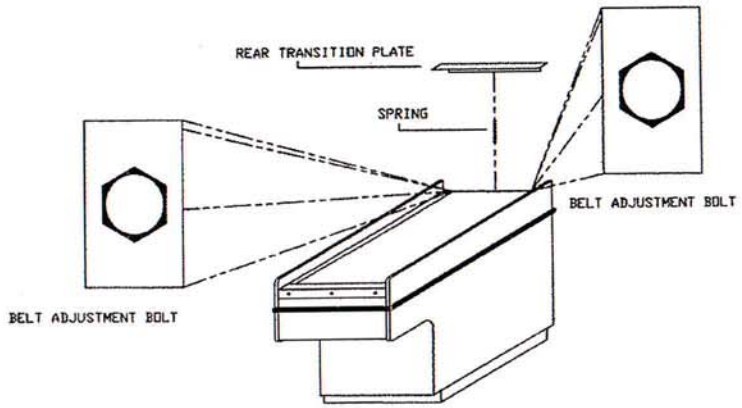
2. If the belt slips easily, it is too loose and the tension needs to be adjusted.

3. To adjust the belt's tension, remove the stainless steel front transition plate with a Phillips head screwdriver. If your belt is a reverse drive conveyor belt, then you must remove the rear transition plate for the belt.

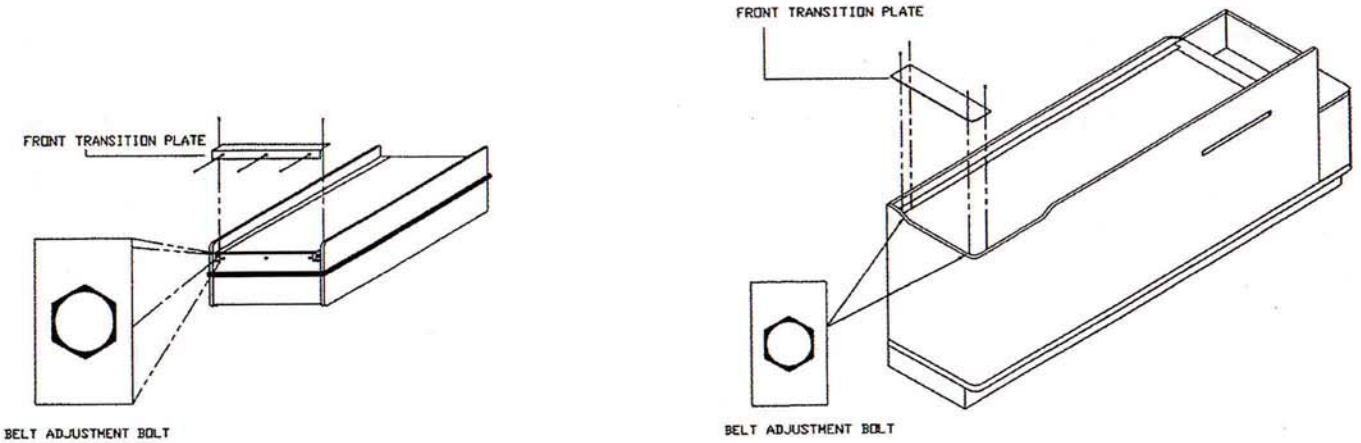
4. Tighten (turn clockwise) the two adjustment bolts (turning each bolt equally) until the belt slips only under firm pressure.

5. Check and re-track belt if necessary.

Diagram "C-1"



BELT ADJUSTMENT BOLT LOCATION FOR REVERSE DRIVE BELTS.



BELT ADJUSTMENT BOLT LOCATIONS FOR STANDARD KCu AND MILLENNIUM KCu CHECKSTANDS.

manufactured by:
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voice: 800-421-5352
fax: 760-727-5108
email: sales@killionindustries.com

CUSTOMER: KILLION KCu MODEL CHECKSTANDS

DESCRIPTION: DIAGRAM 'C' - LOCATION OF TENSION ADJUSTMENT BOLTS

DO NOT SCALE
DATE: 09/06/06
BY: ETT/ rev.KF

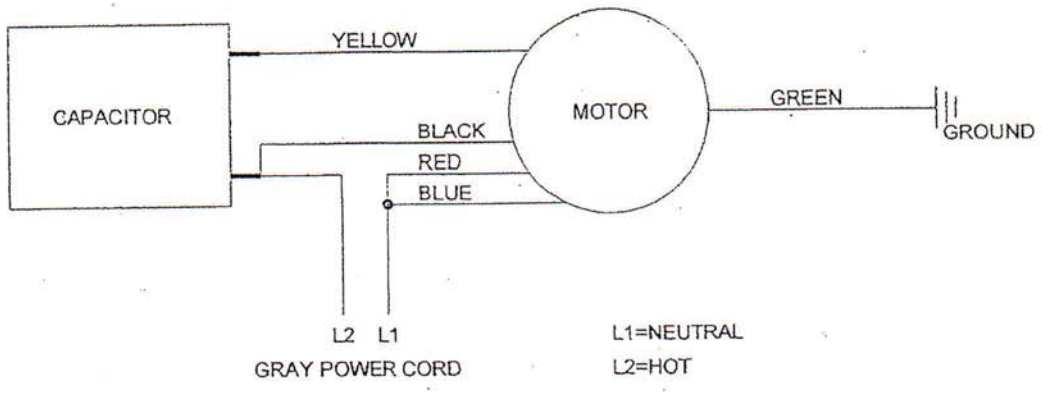
SAVED AS: DIAGRAM C.DWG

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. ALL DIMENSIONS ARE NOMINAL.

Revised 6/18/03

WERNER MOTOR: FIVE WIRE

TO REVERSE INTERCHANGE BLUE & BLACK



INTERROLL MOTOR: SIX WIRE

TO REVERSE INTERCHANGE RED & WHITE