

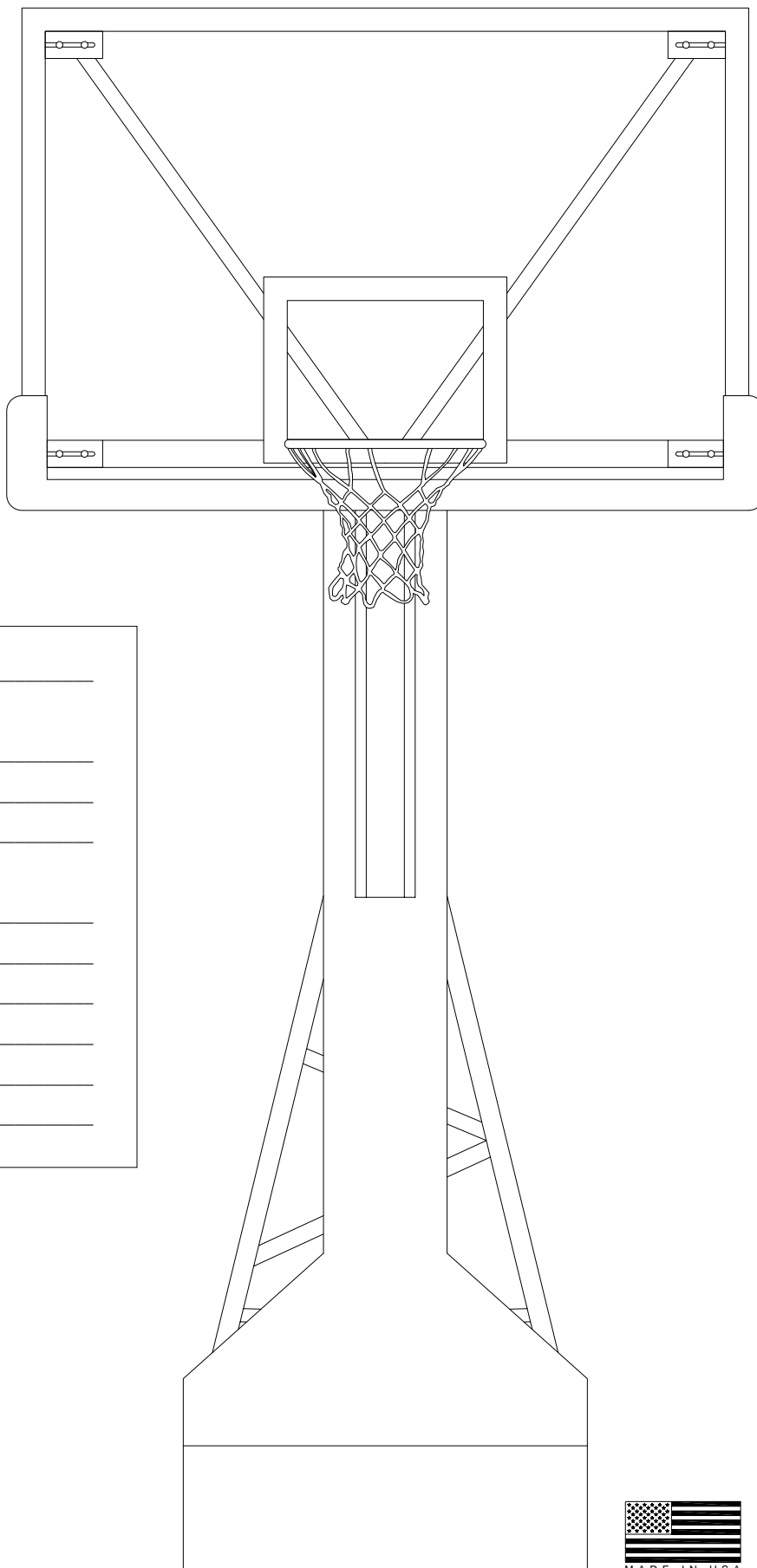
HYDRAULIC BASKETBALL BACKSTOP OWNERS MANUAL

MODEL

1175

1100

1125



DATE OF PURCHASE: _____

PURCHASED FROM: _____

SERIAL NUMBERS: _____



ACI

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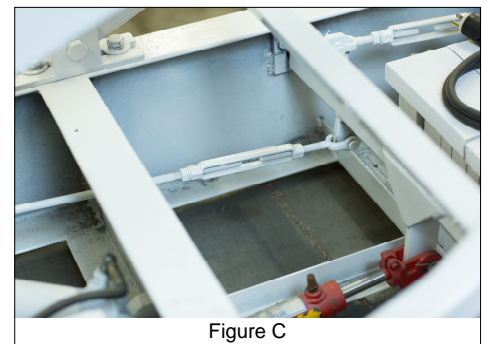
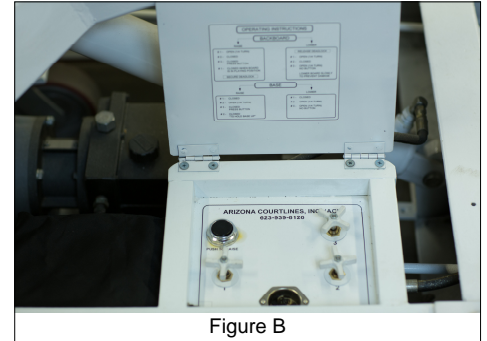
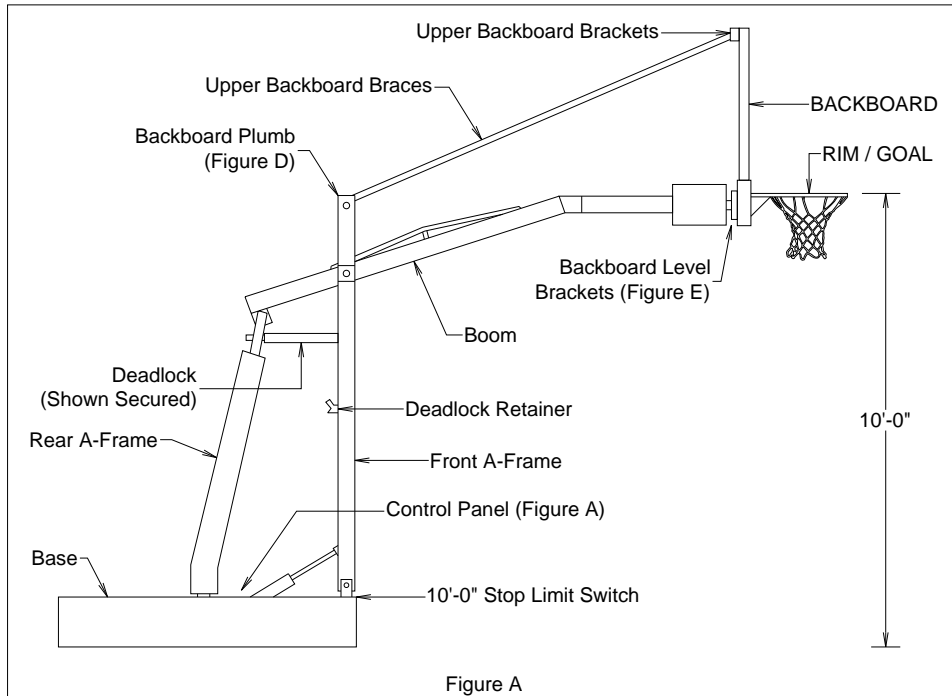
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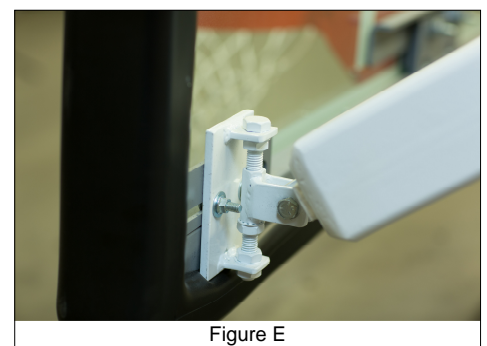
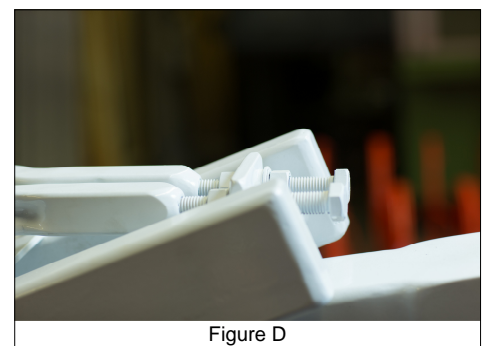
Taking Delivery

- 1 Any and all damage at delivery should be noted on the bill of lading before signing. Failure to note the damage may result in denial of the damage claim.
- 2 Care should be taken in unloading the backstops to protect the floor grip pads from damage.
- 3 Casters are ready for use. They should be used when withdrawing forklift from beneath unit.

Assembling Backstop



- 1 Locate power cord and plug it into the control panel and an electrical outlet. You can now operate the casters and boom. See operating instructions on control panel lid or later in this manual. (See Figure B)
- 2 Adjust casters: if needed adjust turnbuckles to level casters. (See Figure C)
- 3 Check for leaks: if hydraulic fluid leaks tighten the fitting at that location.
- 4 Locate the backboard mounting hardware. This hardware may be in the backboard box.
- 5 Before mounting the backboard:
 - (a) Lower boom to the down (transport/storage) position
 - (b) Attach upper backboard braces to backstop (See Figure D)

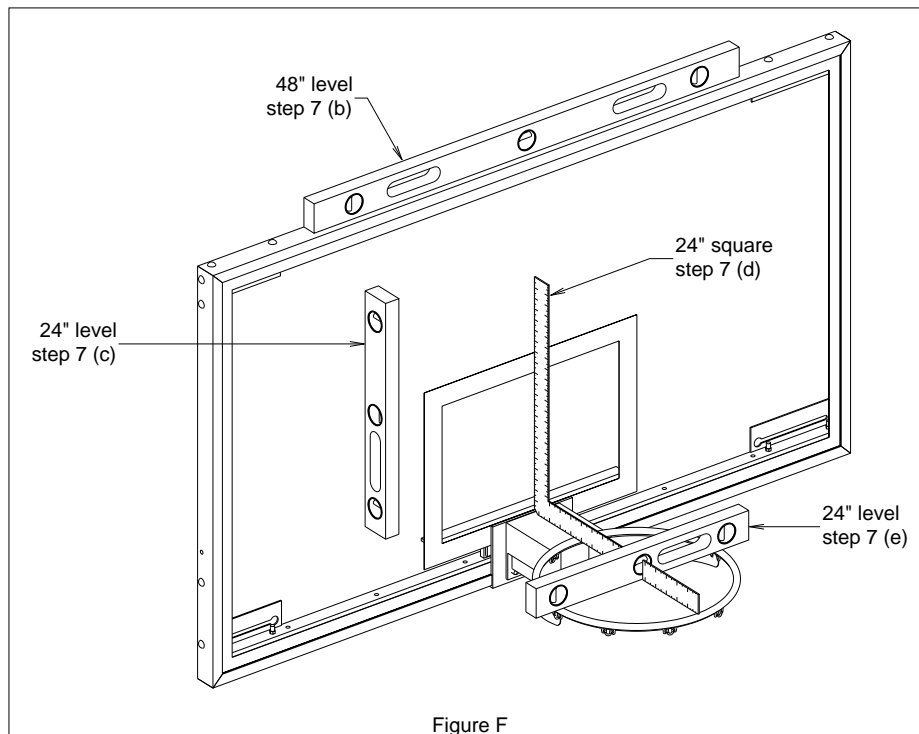


Assembling Backstop (Continued)

- 6 Mounting glass backboard and rim:
 - (a) Attach backboard level brackets to bottom corners of backboard making sure backboard is centered before the bolts are tightened.
 - (b) Attach upper backboard bracket to the upper corners of the backboard making sure backboard is centered before the bolts are tightened.
 - (c) Attach rim to backboard.

- 7 Level front a-frame:
 - (a) Raise boom completely up.
 - (b) Place 48" level on front of front a-frame. If front a-frame is level proceed to step 8. If front a-frame is not level you'll need to adjust the 10'-0" stop limit switch located on front of base. (See Figure A)
 - (c) Lower boom slightly. Make 10'-0" stop limit switch adjustment. Raise boom completely up.
 - (d) Check front a-frame level. Repeat step (c) until front a-frame is level.

- 8 Fine Tuning Backboard and Rim (See Figure F):
 - (a) Raise boom completely up.
 - (b) Place 48" level on top of backboard. Adjust backboard level brackets as needed. (See Figure E)
 - (c) Place level on face of backboard. Use backboard plumb adjustment bolts to plumb backboard. (See Figure D)
 - (d) Use a 24" square to verify top of rim is square with face of backboard. Adjust or shim rim if needed.
 - (e) Place level on top of rim. Adjust rim mounting hardware if needed.
 - (f) Double check steps (b) through (e) before proceeding.
 - (g) Measure from top of rim to floor. Adjust backboard level brackets as needed to get top of rim to exactly ten feet (10'-0") above floor.
 - (h) Double check steps (b) through (g) before proceeding.



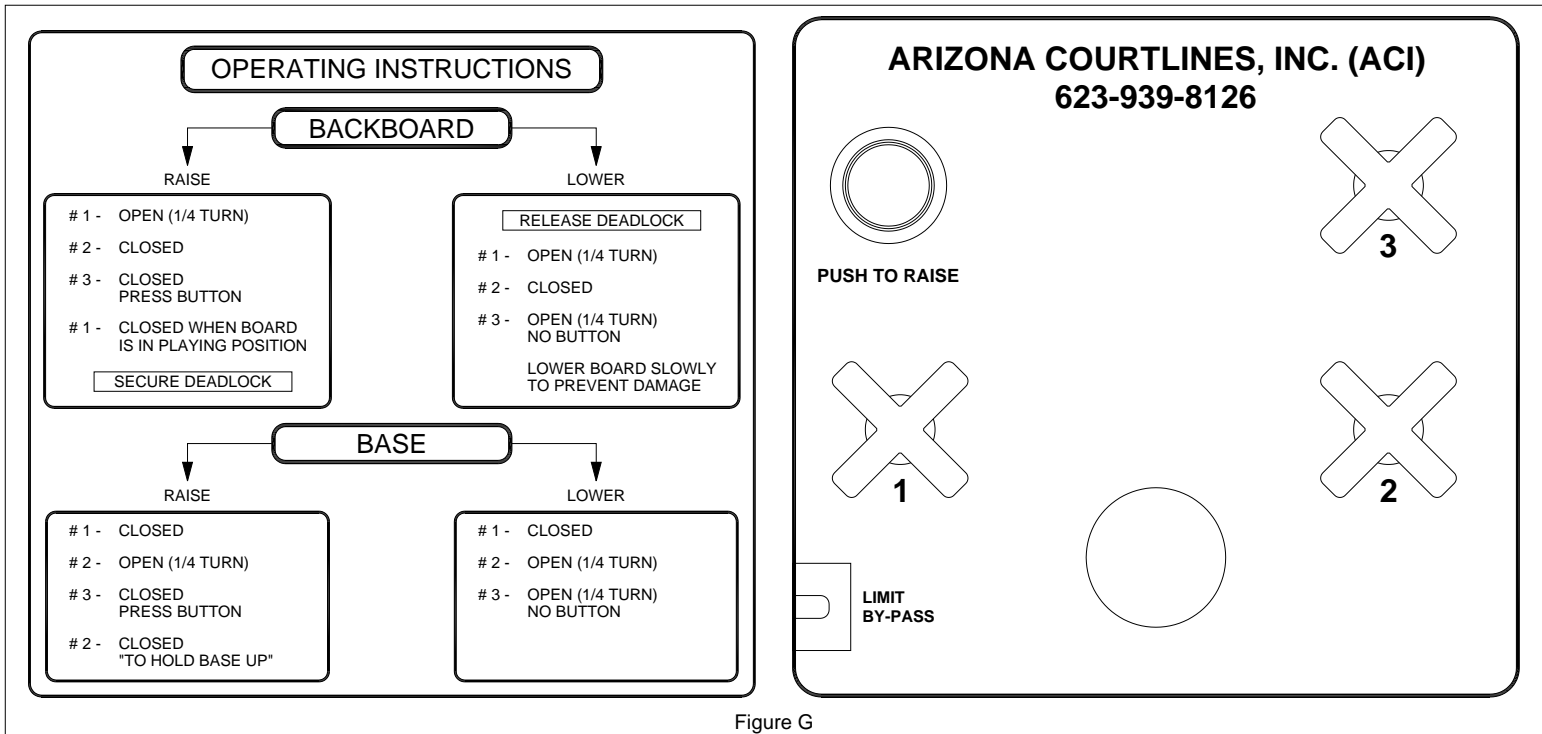


Figure G

- See instructions in Figure G. Important things to keep in mind when operating the hydraulic system:
- When backboard is raised to playing position deadlock must be secured. (See Figure A)
 - When lowering backboard from playing position to storage position the deadlock must be released and attached to the deadlock retainer. (See Figure A)
 - The push to raise button is momentary - it must be held down to operate the hydraulic pump.
 - Limit by-pass button is used to override the 10'-0" stop limit switch.
 - When lowering base make sure nothing is under the base - especially hands, feet, and clothing.

Hydraulic Pressure Adjustment

- When operating correctly the hydraulic system will raise the base and backboard in a seconds. If the base or backboard raises slowly or seems to struggle see step 2 for adjusting pump pressure.
- The pressure valve is adjusted at the factory - field adjustment is uncommon. The pressure valve protrudes from the top of the hydraulic pump. The hydraulic pump is located between the electric motor and the fluid resevoir. Turning the pressure valve clockwise increases hydraulic pressure. Adjust pressure valve 1/8 turn at a time until the backboard raises to playing position in seconds.

Warranty

Twelve months unconditional guarantee with normal use. Abnormal treatment, vandalism, or accidental damage not be covered under warranty. Damage to glass backboard is subject to backboard manufacturer's warranty. Damage to, or malfunction of, the hydraulic system is subject to hydraulic component manufacturer's warranty.

Any and all damage at delivery should be noted on the bill of lading before signing. Failure to note the damage may result in denial of the damage claim.

UNIT POWER AND DATA SUPPLY:

Some gymnasiums may have existing power and data outlets located in the floor or on the wall. In this case the installer will need to make two cables, one power and one data, per unit.

- For the power cord the installer will need to remove the 3-prong male 120v 15A plug from the yellow power cord provided with the backstop. Replace the 3-prong male 120V 15A plug with a plug that will properly engage with the existing power outlet.

- For the data cord the installer will need to make a new cable or modify the existing cable. A field wireable data plug is provided with the backstop. This field wireable data plug will properly engage with the factory installed data plug on the base of the backstop. If there is an existing data cord, replace the existing data plug with the provided field wireable data plug. If there is no existing data cord the installer will need to purchase the wire and proper plug to make a new data cord.

GENERAL SHOT CLOCK NOTES:

Because shot clock companies use different plugs for data and power it will be the installers responsibility to determine the proper plugs and wiring required to complete the shot clock installation.

SHOT CLOCK POWER CORD:

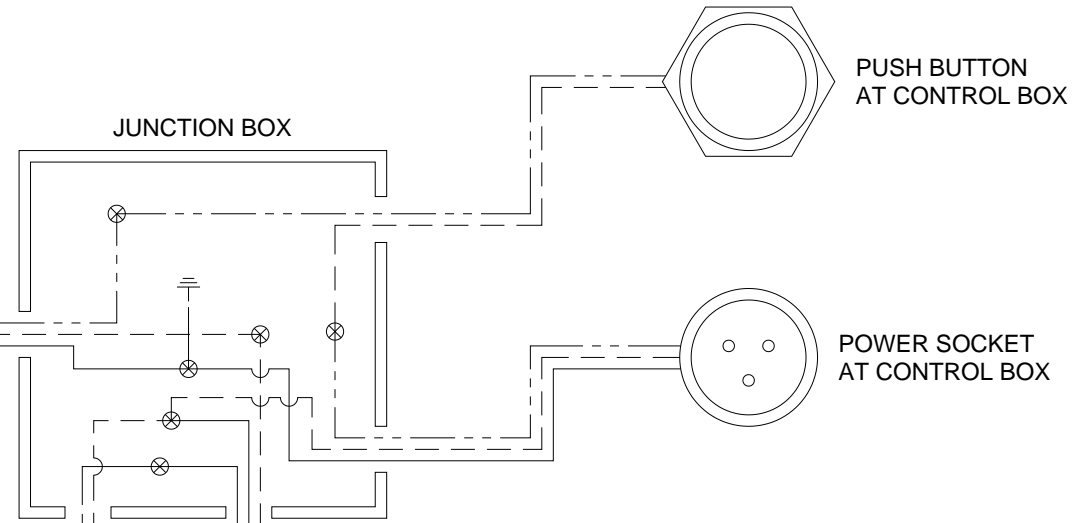
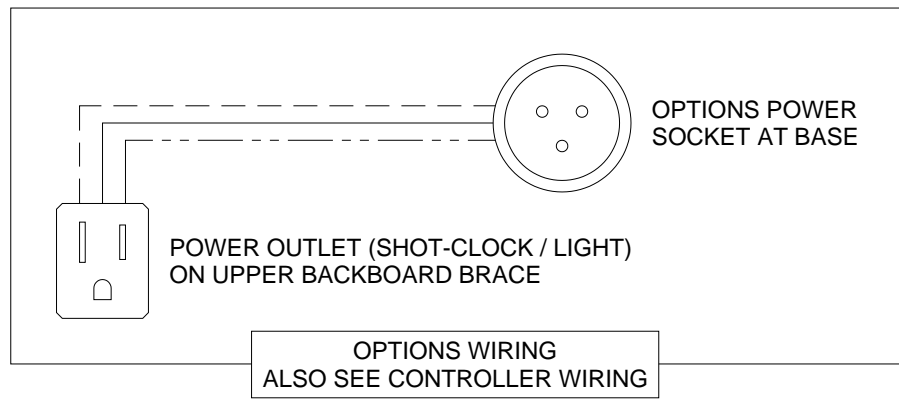
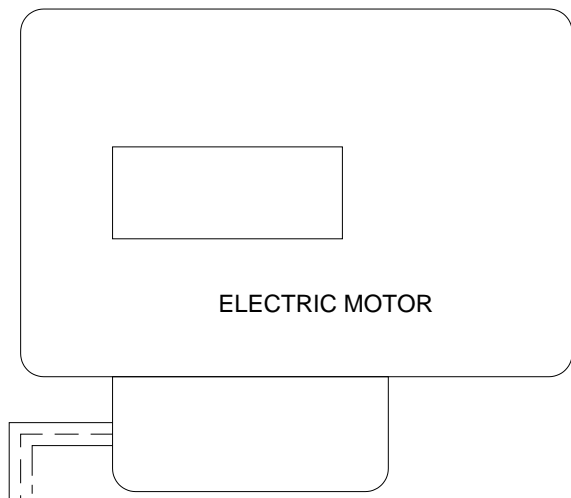
All Daktronics shot clocks come with a female twist lock. Other brands come with different types of power plugs. The installer will need to make an extension cord to power the shot clock. One end will be the supplied power plug from the shot clock manufacturer. The other end will be a standard 3-prong male 120v 15A plug. The 3-prong male plug will plug into the factory installed female plug on the backstops upper backboard brace. Installer to determine the required extension cord length. Wiring must be secure and allow folding of shot clock and backstop without binding or pinching of wires.

SHOT CLOCK DATA WIRE:

The data connection plugs (male and female) at the base are provided with the backstop. At the upper arms the data wires, 8'-0" long, are left bare for attachment of the required data plug to fit the shot clock. The installer will need to provide and install the correct data plug. Most plugs can be purchased at local electrical supply stores. Some plugs may only be available from the shot clock manufacturer.

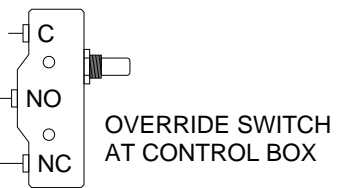
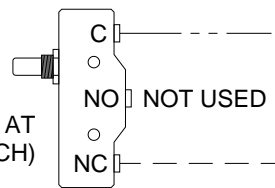
LED LIGHT STRIP CORD:

The Daktronics LED light strip comes with a 30'-0" cable for attaching the LED light strip to the shot clock or control box. The control box is required with certain shot clocks. The transparent shot clocks by Daktronics require the control box. When a shot clock is used the installer will need to route the cable from the LED light strip pigtail (behind rim) up to the shot clock. The installer will need to find a safe place to roll up and secure the excess cable. Wiring must be secure and allow folding of shot clock and backstop without binding or pinching of wires.



- BLACK WIRE
- WHITE WIRE
- GREEN WIRE
- ⊗ WIRE NUT

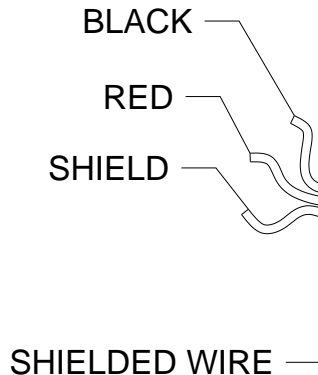
STOP TEN SWITCH AT FRONT (LIMIT SWITCH)



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UNIT WIRING
 (FACTORY INSTALLED WIRING)

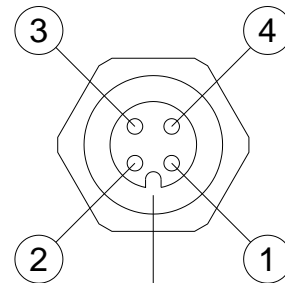
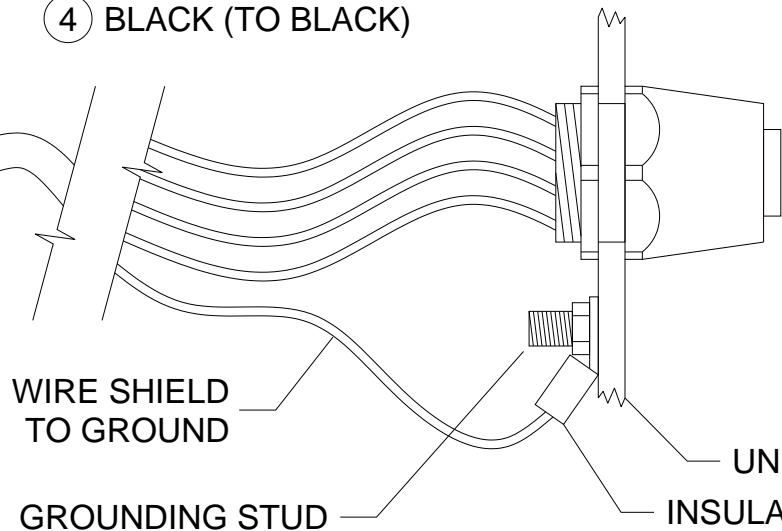
**WIRING AT TOP
BACKBOARD BRACE**



- ① BROWN (NOT USED)
- ② WHITE (TO RED)
- ③ BLUE (NOT USED)
- ④ BLACK (TO BLACK)

**UNIT PLUG
(SIDE VIEW)**

UNIT PLUG IS FACTORY INSTALLED

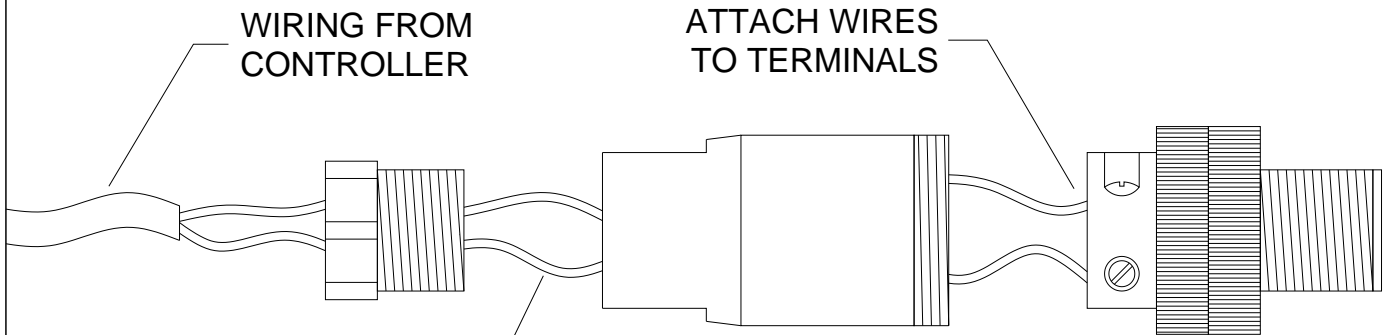


**UNIT PLUG
(FRONT VIEW)**

ALIGNMENT NOTCH

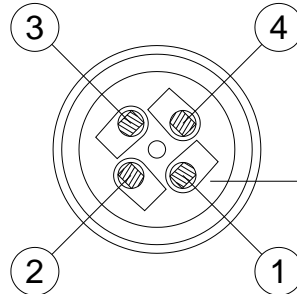
**WIRING FROM
CONTROLLER**

**ATTACH WIRES
TO TERMINALS**



ROUTE WIRES THRU
PLUG AS SHOWN

**FIELD WIREABLE PLUG
(EXPLODED SIDE VIEW)
WIRING BY CUSTOMER**



TERMINAL

**FIELD WIREABLE PLUG
(INSIDE VIEW)**



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CONTROLLER WIRING