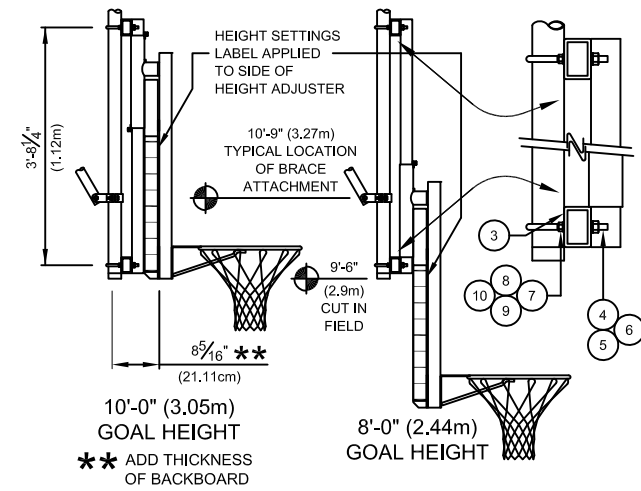


# 00603-506 - HEIGHT ADJUSTMENT SYSTEM

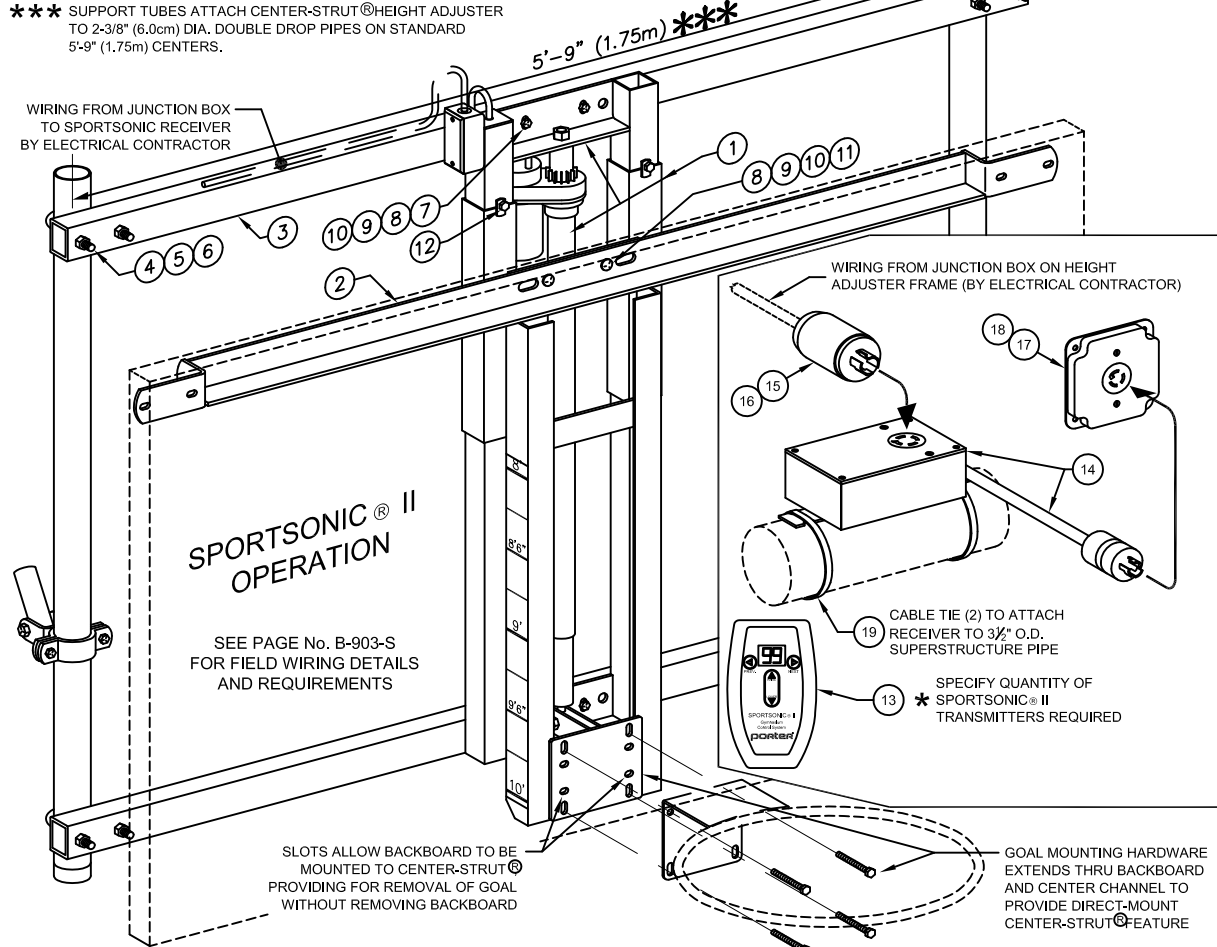
## CENTER-STRUT® HEIGHT ADJUSTMENT SYSTEM FOR RECTANGULAR BACKBOARD - ELECTRIC OPERATION WITH SPORTSONIC® II



PARTS LIST		
No.	QTY.	DESCRIPTION
1	1	FRAME 00213 002 HEIGHT ADJUSTER ASSEMBLY
2	1	XEXT 91612 002 RECTANGULAR BACKBOARD EXTENSION
3	2	TUBS 00190 SPAN TUBE - 6'-4 1/2" Lg.
4	4	UBOT 00026 U-BOLT
5	8	HDWE 04003 0E0 1/2" LOCKWASHER
6	8	HDWE 03003 0E0 1/2" HEX NUT
7	4	HDWE 01215 0E0 3/8" x 3 1/2" Lg. HEX HEAD CAP SCREW (Grade 5)
8	10	HDWE 05004 0E0 3/8" FLATWASHER
9	6	HDWE 04002 0E0 3/8" LOCKWASHER
10	6	HDWE 03002 0E0 3/8" HEX NUT
11	2	HDWE 02057 0E0 3/8" x 2 1/2" Lg. CARRIAGE BOLT (Grade 5)
12	4	HDWE 01134 0G0 3/8" x 1/2" Lg. NYLON BOLT
13	*	12002-100 SPORTSONIC® II TRANSMITTER - 99 POSITIONS
14	1	XELC 12002 200 SPORTSONIC® II RECEIVER
15	1	ELEC 00013 100 4-PRONG TWIST-LOCK PLUG
16	1	ELEC 00140 000 STRAIN RELIEF INSERT
17	1	ELEC 00064 000 3-PRONG TWIST-LOCK RECEPTACLE
18	1	ELEC 00126 0G0 1/2" DEEP COVER PLATE
19	2	ELEC 00221 002 CABLE TIE - 14" Lg.

\* SPECIFY QUANTITY OF  
SPORTSONIC® II TRANSMITTERS REQUIRED

\*\*\* SUPPORT TUBES ATTACH CENTER-STRUT® HEIGHT ADJUSTER  
TO 2-3/8" (6.0cm) DIA. DOUBLE DROP PIPES ON STANDARD  
5'-9" (1.75m) CENTERS.



- 00603-506 HEIGHT ADJUSTMENT SYSTEM FOR No. 600 SERIES BACKSTOP  
w/ RECT. BACKBOARD - ELECTRIC OPERATION WITH SPORTSONIC® II
- 12002-100 SPORTSONIC® II TRANSMITTER

# Porter®

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PROJECT NUMBER

PROJECT NAME

www.PORTERATHLETIC.COM/FACILITY

HEIGHT ADJUSTMENT SYSTEM SPECIFICATION SHEET

B-603-506

4/16/2014

# 00603-506 - HEIGHT ADJUSTMENT SYSTEM

## CENTER-STRUT® HEIGHT ADJUSTMENT SYSTEM FOR RECTANGULAR BACKBOARD - ELECTRIC OPERATION WITH SPORTSONIC® II

### SPECIFICATIONS

#### PORTER No. 00603-506 CENTER-STRUT® HEIGHT ADJUSTMENT SYSTEM WITH ELECTRIC SPORTSONIC® II OPERATION FOR USE ON No. 600 SERIES BASKETBALL BACKSTOPS WITH RECTANGULAR BACKBOARDS

Height adjustment unit shall be designed for use with No. 600 series ceiling suspended basketball backstop support systems to provide an adjustable, direct-mount (Center-Strut®) goal attachment system to eliminate any strain on the backboard should a player hang on the front mounted goal (conforms to the latest NCAA recommendation). Height adjustment units without the prescribed direct-mount goal feature will not be approved as equal. Height adjustment feature will allow goal height settings from 8'-0" to the official 10'-0" for use by all age groups. Unit shall be designed for use with any official size (4' x 6' or 3'-6" x 6') Porter rectangular backboard and companion front mount type goal.

Center unitized support frame shall be fabricated by dual, 2-3/16" square heavy-wall zinc plated guide tubes located on 11-3/16" centers. Ends of guide tubes shall be welded to heavy, formed mounting brackets. Height adjustment assembly mechanism shall be supported to No. 600 line drop frame assembly on 5'-9" centers by heavy structural support tubes. Outer dual slide tubes shall support heavy structural steel angle sections which extend downward to accept a direct-mount (Center-Strut®) goal mounting system. Slide tube assembly shall be provided with a heavy formed steel section to attach a special upper backboard support assembly to secure the unit to the upper two corners of the rectangular backboard on standard 5'-6" mounting centers.

Height adjustment unit shall incorporate a compact 115-volt, gear motor type linear actuator with 600 pound thrust capacity to raise and lower the goal height electrically. Motor shall draw 1.4 amps under full load. Integral limit switches shall provide automatic shut off at 8' and 10' goal heights. The motor shall be controlled by Sportsonic® II radio control system. Sportsonic® II portable hand-held transmitter No. 12002-100 will operate up to 99 individual units. One transmitter can be made to operate height adjustment units, in addition to backstop and divider curtain winches. Power supply for transmitter shall be a standard 9-volt battery. Transmitter shall operate on a carrier frequency of 315 MHz.

Each electric height adjuster shall be equipped with a commercial type 115 VAC receiver with a coding switch for individual operation by the portable transmitter. Receiver shall be factory wired and installed in a standard non-metallic enclosure (6" x 4" x 2-3/8") with a 6'-0" long SJT cord with a NEMA L5-15 molded twist-lock grounded plug attached. Matching flange type receptacle shall be mounted in a standard 4" square cover plate (box by others) for power supply. Wiring from junction box on height adjuster frame to receiver shall be provided by the electrical contractor to meet all local code requirements. Enclosure shall be furnished with a 4-pole twist-lock grounded type NEMA L14-20 receptacle to accept the power/control cable from the linear actuator.

All units to be factory tested for a 100' (nominal) operating range. Coding switch shall be configured in field for independent operation.

Wiring of all electrical components shall be in accordance with local area codes, and in accordance with manufacturer's instructions. All conduit, wiring, junction boxes and components not specified herein shall be furnished and installed by the electrical contractor.

A height setting scale shall be located on the side of the unit to visually determine height settings from 8'-0" to 10'-0" in 3" increments.

Height adjustment frame shall be finished with one coat of flat black enamel. Hardware shall be furnished for mounting unit to a 2-3/8" O.D. vertical support structure on 5'-6" or 5'-9" centers.

#### LIFETIME WARRANTY (ADD TO SPECIFICATIONS AS REQUIRED)

Limited Lifetime warranty on all Porter rectangular backboards when used in conjunction with No. 00603-506 Center-Strut® height adjustment unit installed on a Porter No. 600 series support structure.

ISSUED APRIL 16, 2014, SUBJECT TO CURRENT MANUFACTURING PROCEDURES AND CHANGES  
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HEIGHT ADJUSTMENT SYSTEM SPECIFICATION SHEET

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4/16/2014