

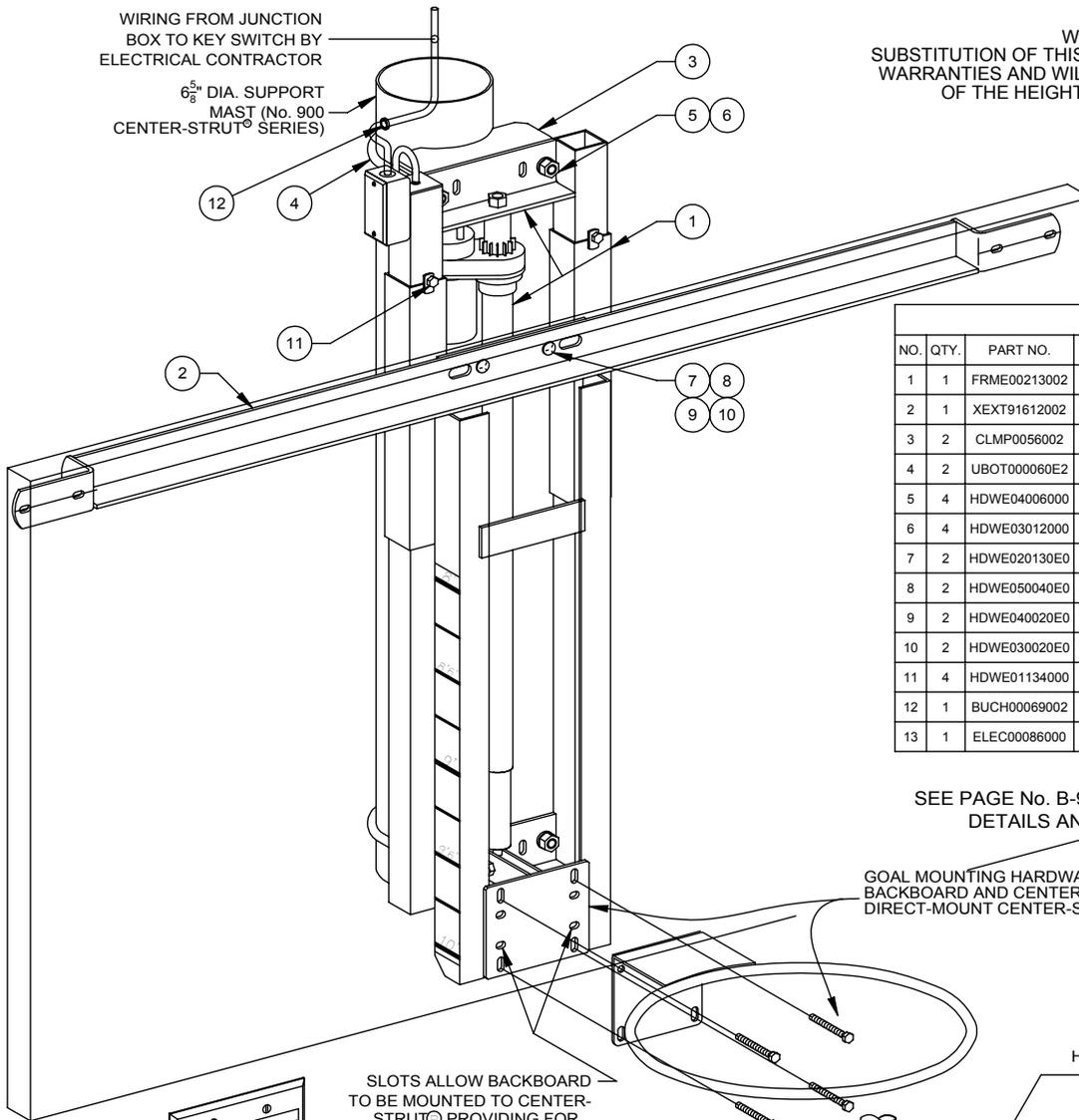
# 00901506 - CENTER-STRUT HEIGHT ADJUSTER

## KEY SWITCH OPERATION FOR RECTANGULAR BACKBOARD NO. 208 RECTANGULAR GLASS

WIRING FROM JUNCTION  
BOX TO KEY SWITCH BY  
ELECTRICAL CONTRACTOR

6<sup>5</sup>/<sub>8</sub>" DIA. SUPPORT  
MAST (No. 900  
CENTER-STRUT® SERIES)

**WARNING**  
SUBSTITUTION OF THIS KEY SWITCH WILL VOID ALL  
WARRANTIES AND WILL RENDER THE OPERATION  
OF THE HEIGHT ADJUSTER UNSAFE.



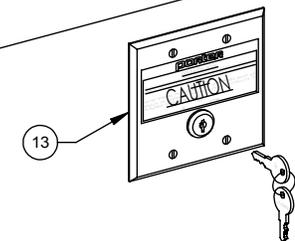
PARTS LIST			
NO.	QTY.	PART NO.	DESCRIPTION
1	1	FRME00213002	HEIGHT ADJUSTER ASSEMBLY
2	1	XEXT91612002	RECTANGULAR BACKBOARD EXTENSION
3	2	CLMP0056002	MAST CLAMP
4	2	UBOT000060E2	5/8" U-BOLT
5	4	HDWE04006000	5/8" LOCKWASHER
6	4	HDWE03012000	5/8" HEX NUT
7	2	HDWE020130E0	3/8" x 1 <sup>1</sup> / <sub>4</sub> " LG. CARRIAGE BOLT (GRADE 5)
8	2	HDWE050040E0	3/8" FLATWASHER
9	2	HDWE040020E0	3/8" LOCKWASHER
10	2	HDWE030020E0	3/8" HEX NUT
11	4	HDWE01134000	3/8" x 1/2" LG. NYLON BOLT
12	1	BUCH00069002	PLASTIC BUSHING
13	1	ELEC00086000	KEY SWITCH ASSEMBLY

SEE PAGE No. B-901-K FOR FIELD WIRING  
DETAILS AND REQUIREMENTS

GOAL MOUNTING HARDWARE EXTENDS THROUGH  
BACKBOARD AND CENTER CHANNEL TO PROVIDE  
DIRECT-MOUNT CENTER-STRUT® FEATURE

SLOTS ALLOW BACKBOARD  
TO BE MOUNTED TO CENTER-  
STRUT® PROVIDING FOR  
REMOVAL OF GOAL WITHOUT  
REMOVING BACKBOARD

HEIGHT SETTINGS LABEL  
APPLIED TO SIDE OF  
HEIGHT ADJUSTER



FLUSH MOUNTED-TYPE SWITCH FURNISHED WITH  
DUAL (UP-DOWN) KEY OPERATION MOUNTED IN  
A STAINLESS STEEL COVER PLATE. WIRING  
DIAGRAM PROVIDED WITH EACH UNIT. KEY  
SWITCHES MAY BE GANGED IN PAIRS IN ONE  
COVER PLATE - ONE FOR THE BACKSTOP,  
ONE FOR THE HEIGHT ADJUSTER.

**CAUTION**  
KEY SWITCH MUST BE MOUNTED ON THE WALL  
IN A LOCATION SO THAT THE EQUIPMENT IT IS  
CONTROLLING IS IN FULL VIEW OF THE OPERATOR

10'-9" (3.27m)  
TYPICAL LOCATION  
OF BRACE  
ATTACHMENT

3'-8<sup>1</sup>/<sub>2</sub>"  
(1.12m)

9'-8<sup>1</sup>/<sub>2</sub>" (2.96m)  
TO FINISHED FLOOR

10'-0" (3.05m)  
GOAL HEIGHT

8'-0" (2.44m)  
GOAL HEIGHT

- 00901506 KEY SWITCH OPERATION FOR RECTANGULAR BACKBOARD  
SEE B-200 FOR BACKBOARD AND GOAL OPTIONS

# 00901506 - CENTER-STRUT HEIGHT ADJUSTER

KEY SWITCH OPERATION FOR RECTANGULAR BACKBOARD  
NO. 208 RECTANGULAR GLASS

## SPECIFICATIONS

Height adjustment unit shall be designed for use with No. 900 Center-Strut® 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. For use with No. 208 rectangular glass backboards.

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. Heavy formed, die cut steel clamp assemblies (2) shall be provided for securing height adjustment assembly directly to a 6-5/8" O.D. center support structure (No. 900 Center-Strut® series basketball backstops). 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 a special dual keyed, flush wall-mounted momentary key switch. Switch assembly shall be furnished with a 4-1/2" square stainless steel cover plate for mounting in a masonry wall box by the electrical contractor. (Key switches may be ganged in pairs in one cover plate to control the actuator and the backstop winch - specify requirements). Wiring from junction box on height adjuster frame to key switch shall be provided by the electrical contractor to meet all local code requirements.

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 6-5/8" O.D. vertical support tube.

## WARRANTY

- Height Adjusters furnished with a 1-year limited warranty.