MODELS SEF 300, 305, 307, 308, 310, 315, 320 & 325
FOOTBALL GOAL ASSEMBLY
SHIPPING LIST

2013 MODEL DESIGN

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>INSTALLATION INSTRUCTIONS</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>TOUCH UP SPRAY PAINT</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>FLAG / STREAMER</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>FLAG BOLT (3/8-16UNC x 1-1/2&quot; PARTIAL THREAD)</td>
</tr>
<tr>
<td>5</td>
<td>4</td>
<td>FLAG LOCKING NUT (3/8-16UNC)</td>
</tr>
<tr>
<td>6</td>
<td>4</td>
<td>FLAG HOOK AND SWIVEL</td>
</tr>
<tr>
<td>7</td>
<td>12</td>
<td>CROSSBAR BOLTS (1/2-13UNC x 7-1/2&quot; - GR 5)</td>
</tr>
<tr>
<td>8</td>
<td>12</td>
<td>CROSSBAR WASHERS (1/2&quot; FLAT WASHERS)</td>
</tr>
<tr>
<td>9</td>
<td>12</td>
<td>CROSSBAR LOCKING NUTS (1/2-13UNC)</td>
</tr>
<tr>
<td>10</td>
<td>12</td>
<td>CROSSBAR SPRING PINS (3/8&quot; x 1-1/2&quot;)</td>
</tr>
<tr>
<td>11</td>
<td>8</td>
<td>UPRIGHT BOLTS (1/2-13UNC BUTTON HEAD)</td>
</tr>
<tr>
<td>12</td>
<td>8</td>
<td>CUP FORMED WASHERS (1/2&quot;)</td>
</tr>
<tr>
<td>13</td>
<td>8</td>
<td>UPRIGHT LOCK WASHERS (1/2&quot;)</td>
</tr>
<tr>
<td>14</td>
<td>1</td>
<td>UPRIGHT BOLT ADHESIVE (LOCKTITE®)</td>
</tr>
<tr>
<td>15</td>
<td>8</td>
<td>GROUND SLEEVE WASHERS (5/8&quot;)</td>
</tr>
<tr>
<td>16</td>
<td>16</td>
<td>GROUND SLEEVE JAM NUTS (5/8-11UNC)</td>
</tr>
<tr>
<td>17</td>
<td>8</td>
<td>GROUND SLEEVE HEX NUTS (5/8-11UNC)</td>
</tr>
<tr>
<td>18</td>
<td>4</td>
<td>GROUND SLEEVE LOWER RODS (5/8-11UNC x 7-7/8&quot;)</td>
</tr>
<tr>
<td>19</td>
<td>4</td>
<td>GROUND SLEEVE TOP RODS (5/8-11UNC x 10-3/4&quot;)</td>
</tr>
<tr>
<td>20</td>
<td>4</td>
<td>UNIVERSAL KNUCKLES/ ELBOWS</td>
</tr>
<tr>
<td>21</td>
<td>2</td>
<td>GROUND SLEEVE ASSEMBLY</td>
</tr>
<tr>
<td>22</td>
<td>2</td>
<td>GOOSENECK ASSEMBLY</td>
</tr>
<tr>
<td>23</td>
<td>2</td>
<td>CROSSBAR</td>
</tr>
<tr>
<td>24</td>
<td>4</td>
<td>UPRIGHT ASSEMBLY</td>
</tr>
</tbody>
</table>

UNIVERSAL KNUCKLE

SportsEdge®
A Division of ABT, Inc.
P.O. Box 537 * 259 Murdock Road
Troutman, NC 28166
800-334-6057

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ASSEMBLY PROCEDURES

1. Install Gooseneck (Offset) Post into Ground Sleeve. Adjust Centering Rods so that Post is perpendicular (plumb) to to Field Surface. (See pages 5, 6, & 7)

2. Install (2) Knuckles into Crossbar, note Knuckles orientation to Crossbar Center Stub. Bolt heads should face toward 50 yard line when assembled. Leave Bolts & Nuts slightly loose until final adjustment. (See pages 8 & 9) Do not install bolt "B" until final assembly. Spring Pins are only installed after final alignment.

3. Insert Crossbar Stub into Gooseneck Socket fully as shown. Do not install Bolts and Nuts at this time. Check to be sure that Crossbar Stub is fully seated in Gooseneck Socket. Slowly rotate Crossbar until Knuckle contacts ground, Do Not Stand Under Crossbar During This Procedure. (See pages 3 & 10)

4. Install Flags (Streamers) to both Uprights with fasteners at this time. (See page 11)

5. Install Upright into accessible Knuckle. Leave Bolts and Nuts slightly loose until final adjustment. (See pages 8 & 9) Do not install bolt "B" until final assembly. Spring Pins are only installed after final alignment.

6. Check to be sure that Crossbar Stub is fully seated in Gooseneck Socket. Slowly rotate Crossbar again until other Knuckle contacts ground for access. Do Not Stand Under Crossbar During This Procedure. (See pages 3 & 10)

7. Repeat Step 5

8. Check to be sure that Crossbar Stub is fully seated in Gooseneck Socket. Slowly rotate Crossbar again until horizontal and Bolt Holes are in alignment. Install Bolts, Washers, and Nuts slightly loose until final adjustment. (See page 10) Do not install bolt "B" until final assembly.

9. Check Gooseneck for Final Plumb. Adjust if required. Tighten Centering Rods and Nuts tightly. (See page 7)

10. Level Crossbar for final time. Tighten Bolts, Washers, and Nuts tightly. Match drill 1/2" hole for bolt "B" and install tightly. (See page 10)

11. Adjust Uprights and Knuckles for perpendicularity for final time. Tighten Bolts, Washers and Nuts tightly. Match drill 1/2" hole for bolt "B" and install tightly. (See pages 8 & 9)

12. When satisfied that Final Alignment has been achieved, match drill 3/8" diameter holes into mating parts and drive Spring Pins into holes, locking the locations.

Caution - Do Not Stand Under Crossbar
ASSEMBLY PROCEDURE ILLUSTRATED
(Crossbar shown rotated for access)

Caution - Do Not Stand Under Crossbar
ALIGN SHALLOW SLOT CENTERS PARALLEL TO END ZONE LINE.

GROUND SLEEVE ORIENTATION
GROUND SLEEVE ORIENTATION IS CRITICAL TO FINAL ASSEMBLY ALIGNMENT.

GROUND SLEEVE ASSEMBLY
GOOSENECK CENTERING RODS

GROUND SLEEVE ORIENTATION IS CRITICAL TO FINAL ASSEMBLY ALIGNMENT.

5/8" X 10 3/4" THD ROD
(2) REQ'D PER POST

5/8" HEX JAM NUT
(8) REQ'D PER POST

5/8" STD HEX NUT
(4) REQ'D PER POST

5/8" FLAT WASHER
(4) REQ'D PER POST

GOOSENECK

5/8" HEX JAM NUT

5/8" X 7 7/8" THD ROD
(2) REQ'D PER POST
GROUND SLEEVE & GOOSENECK ASSEMBLY
CENTERING ROD ADJUSTMENT IS CRITICAL TO FINAL ASSEMBLY ALIGNMENT.

SEE GOAL POST FOUNDATION INSTRUCTIONS FOR DETAIL INSTALLATION OF GROUND SLEEVE
UPRIGHT & KNUCKLE ASSEMBLIES
MATCH DRILL & INSTALL PINS AFTER FINAL ASSEMBLY ALIGNMENT.

2013 MODEL DESIGN

UPRIGHT ASSEMBLY

CUP FORMED WASHERS (1/2")
PLACE ROUNDED CURVED SIDE TOWARDS PIPE

LOCK WASHERS (1/2")

BUTTON HEAD CAP SCREWS
(1/2-13UNC x 1-1/2" LONG)
USE THREAD LOCKING COMPOUND ON THESE BOLTS
(NON-PERMANENT BLUE)

HEX BOLTS (1/2-13UNC x 7-1/2" LONG)

SPRING PINS (3/8")

50 YARD LINE

CROSSBAR ASSEMBLY

FLAT WASHERS (1/2")

NYLOK HEX NUTS (1/2")

KNUCKLE ASSEMBLY

***IMPORTANT***
MATCH DRILL THESE HOLES AT FINAL ALIGNMENT
FOR (B) (FRONT & BACK) & (C) (TOP & BOTTOM).
CROSS BAR ASSEMBLY
MATCH DRILL & INSTALL PINS AFTER FINAL ASSEMBLY ALIGNMENT.

***IMPORTANT***

SPRING PIN (3/8" X 1 1/2" LONG)
MATCH DRILL & INSTALL TOP & BOTTOM AFTER ALIGNMENT

FLAT WASHER (1/2")

NYLOK HEX NUT (1/2")

GOOSENECK ASSEMBLY

CROSS BAR ASSEMBLY

HEX BOLT (1/2" X 7 1/2" LONG)

THIS HOLE TO BE FIELD DRILLED AFTER PLUMBING UPRIGHT AND FINAL TIGHTENING OF BOLT "A"
FLAG (STREAMER) ASSEMBLY INSTALLATION

FLAG (STREAMER) SHOULD ROTATE FREELY ABOUT HEX BOLT AFTER ASSEMBLY.

FLAG (STREAMER)

HEX BOLT
(3/8" X 1 1/2" LONG)

FLAT WASHER (3/8")

HEX JAM NUT (3/8")

UPRIGHT ASSEMBLY
NOTE: SHALLOW SLOTS IN GROUND SLEEVES RUN PARALLEL TO THE GOAL LINE.

10¾" threaded centering rod & ⅞" jam nuts, ⅞" washers, ⅝" nuts

ground sleeve

offset / goose neck

poured concrete

The following dimensions will place the leading edge of the crossbar directly above the end line.

6 ½ Ft. Gooseneck/Offset = 81-5/16" from end line to center of ground sleeve.

8 Ft. Gooseneck/ Offset = 99-5/16" from end line to center of ground sleeve.

NOTE: Deduct 3-5/16" from the above dimension to put the center line of crossbar directly above the end line.

NOTE: Contractor / Installer shall consult codes and soil condition for final foundation depth and size.

7⅜" threaded centering rod & ⅞" jam nuts

Rebar is Optional (contractor supplied) to help stabilize the base of the sleeve during installation.

packed gravel or concrete pad

SportsEdge®

PART #: SEF30005

DATE: 4-23-12
** IMPORTANT **

OPTION # 1

POST FOUNDATION
WITHOUT FRAME

Concrete Foundation
(Local Building Codes and Design
Drawings should be referred to for
exact footing dimensions, as local
soil conditions will vary.)

Packed stone or concrete pad

Rebar is Optional (contractor supplied),
stabilizes base during installation.

10 3/4" long threaded rod for centering
with 5/8" flat washers & hex nuts

7 7/8" long threaded rod
with 5/8" jam nuts

Gooseneck Assembly

Finished Field Surface

Ground Sleeve Assembly

MODELS SEF300 & SEF305 - GOAL POST FOUNDATION

NOTE: CONSULT LOCAL CODES FOR FINAL FOUNDATION SIZE AS SOIL CONDITIONS MAY VARY.
** IMPORTANT **
OPTION # 2
POST FOUNDATION
W/ #SEF304 FRAME

For Infill Turf, fasten a treated 2x4 under the access frame lip for the turf to be attached to.
(Contractor Supplied)

Synthetic Infill Turf

Top of Infill

Gooseneck
(Install the Access Frame before installing the Gooseneck into the Ground Sleeve.)

Ground Sleeve

Protective Rubber Edging
(Top of Frame to be set 1/2" below Top of Infill)

Natural Grass

Concrete Footer

Ground Sleeve

22 1/4" SQ

18 1/4" SQ

1 5/8"

6"

Ø36"

MODEL SEF304 FOOTBALL GOAL ACCESS FRAME (OPTIONAL)
** IMPORTANT **
OPTION # 3
POST FOUNDATION
W/ # SEF390 FRAME
(PAGE 1 OF 2)

MODEL SEF390 SOCCER GOAL ANCHOR FRAME

Ground Sleeve Assembly

Concrete Foundation
(Local Building Codes and Design Drawings should be referred to for exact footing dimensions, as local soil conditions will vary.)

Rebar is Optional (contractor supplied), stabilizes base during installation.

Packed stone or concrete pad

MODEL SEF390 SOCCER GOAL ANCHOR FRAME (OPTIONAL)
(see page 2 of 2)

PATENT PENDING
** IMPORTANT **
OPTION # 3
POST FOUNDATION
W/ # SEF390
(PAGE 2 OF 2)

For Infill Turf, a treated
2x4 can be fastened
under the access frame
for the turf to be attached.
(Contractor Supplied)