ASSEMBLY OF THE
7180 STRAIGHT SIDE STEEL LADDER

TOOLS REQUIRED FOR ASSEMBLY

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAFETY GLASSES</td>
<td>(2)</td>
</tr>
<tr>
<td>STEP LADDER OF APPROPRIATE HEIGHT</td>
<td>(2)</td>
</tr>
<tr>
<td>HACKSAW</td>
<td></td>
</tr>
<tr>
<td>FLAT HEAD SCREW DRIVER</td>
<td></td>
</tr>
</tbody>
</table>

ASSEMBLY PARTS – INCLUDED IN PACKAGING

<table>
<thead>
<tr>
<th>7180 Straight Side WITH #57 WHEEL ASSEMBLY</th>
<th>TRACK and BRACKETS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 LADDER</td>
<td>AS ORDERED</td>
</tr>
<tr>
<td>1 TOP SHELF</td>
<td>STRAIGHT TRACK</td>
</tr>
<tr>
<td>2 UPPER FIXTURES</td>
<td>AS ORDERED</td>
</tr>
<tr>
<td>8 1/4-20 x 3/4” BUTTON HEAD MACHINE SCREW</td>
<td>CURVED TRACK</td>
</tr>
<tr>
<td>8 HEX LOCKNUTS</td>
<td>AS ORDERED</td>
</tr>
<tr>
<td>1 LOWER RIGHT FIXTURE</td>
<td>L 10 – BRACKET</td>
</tr>
<tr>
<td>1 LOWER LEFT FIXTURE</td>
<td>AS ORDERED</td>
</tr>
<tr>
<td>2 5 INCH WHEELS</td>
<td>L 11 – BRACKET</td>
</tr>
<tr>
<td>2 5/16 – 18 x 2” HEX HEAD CAP SCREW</td>
<td>AS ORDERED</td>
</tr>
<tr>
<td>2 5/16 – 18 HEX LOCKNUT</td>
<td>L 15 – BRACKET</td>
</tr>
<tr>
<td>2 L 17 – BRACKET</td>
<td>L 11T – BRACKET</td>
</tr>
<tr>
<td>2 L 56 – BRACKET</td>
<td></td>
</tr>
</tbody>
</table>

WARNING:

ASSEMBLY OF THESE TYPES OF LADDERS CAN BE INHERENTLY DANGEROUS. PLEASE TAKE ALL PRECAUTIONS NECESSARY DURING THE ASSEMBLY PROCESS. ALWAYS USE A SEPARATE LADDER TO FINISH ASSEMBLY IN HIGH PLACES. NEVER CLIMB A LADDER THAT IS NOT COMPLETELY ASSEMBLED. DO NOT ASSEMBLE OR USE A LADDER WITH MISSING OR DAMAGED PARTS. USE PROPER LIFTING MECHANICS WHEN ASSEMBLING A LADDER. WATCH FOR OVERHEAD ELECTRICAL HAZARDS AND OBSTRUCTIONS.

INSTALLATION OF THE TRACK
FOR THE STRAIGHT SIDE STEEL LADDER

INSTALLATION WILL DEPEND UPON THE TYPE OF BRACKETS FURNISHED. THE BRACKETS FOR SUPPORTING THE TRACK ARE USUALLY SECURED ON THE SHELVING UPRIGHTS OR ON A HORIZONTAL SURFACE, SUCH AS THE TOP OF A SHELF. THE BRACKETS ARE USUALLY LOCATED AT ABOUT 3 FOOT INTERVALS.
• When the brackets are fastened to the uprights, the track should usually be positioned so the top of the brackets are level with the top of the shelf.

Note: see the attached packing list for the track height for which your ladder was designed.

Step 1 – Layout for the Track
a) Start by laying the track from end to end on the floor in front of the shelving unit.
   • If one end of the shelving is against a wall, start from that end.
   • Make sure to align the first end of the track with the end of the shelving unit.
   • If necessary, rearrange the various sections so that none of the joints occur at the brackets, or within 5 inches of the brackets.

Step 2 – Placement of the Brackets – (See Drawing A)
   a) Insert the required number of center brackets, for the first length of track, into the track opening.
   b) Adjust the center brackets to the approximate locations where they will attach to the shelving unit.

**Installation Possibilities for the Different Styles of Brackets**

**Drawing A**
STEP 3 – PLACEMENT OF THE END BRACKET – (SEE DRAWING B)
a) ONCE THE CENTER BRACKETS HAVE BEEN INSERTED AND ADJUSTED TO THEIR PROPER LOCATIONS, TAKE THE CORRESPONDING END BRACKET AND INSERT THE STEEL DISC FLUSH AGAINST THE END OF THE TRACK.

STEP 4 – DOWEL ATTACHMENT – (SEE DRAWING C)
a) AT THE OPPOSITE END, INSERT ONE OF THE JOINT DOWELS. NOTE: THE SHOULDER SHOULD FIT TIGHTLY AGAINST THE END OF THE TRACK.

STEP 5 – ATTACHING THE FIRST SECTION OF TRACKING – (SEE DRAWING D)
a) USING THE INSERTED BRACKETS, BOLT OR SCREW AND DOWEL THE FIRST SECTION OF TRACK TO THE SHELVING.
STEP 6 – ATTACHING TWO UPPER SLIDE ASSEMBLIES – (SEE DRAWING E)
a) ATTACH THE UPPER SLIDE ASSEMBLIES TO THE OUTSIDE OF THE SIDE MEMBERS, USING THE PRE-DRILLED HOLES AND (2) 1/4 - 20 x 3/4" BUTTON HEAD MACHINE SCREW WITH (2) LOCKNUTS PER SLIDE.
(NOTE: THE SLIDE LETTERING NEEDS TO BE FACING OUTWARD ON THE LADDER)

STEP 7 – ATTACHING TWO LOWER CASTER BRACKET ASSEMBLIES – (SEE DRAWING F)
a) ATTACH THE CASTER BRACKET ASSEMBLIES TO THE BOTTOM OF THE SIDE MEMBERS, USING (2) 1/4 - 20 x 3/4" BUTTON HEAD MACHINE SCREW AND (2) 1/4 - 20 HEX LOCKNUTS PER BRACKET.
STEP 8 – WHEEL ASSEMBLY – (SEE DRAWING G)

a) Center the 5” wheel between the forks on the caster bracket and tighten using a 5/16 – 18 x 2” hex head cap screw and 5/16 – 18 hex locknut.

b) Repeat for other caster bracket.

NOTE: Wheel must have freedom to rotate, only tighten enough to secure wheel assembly.

STEP 9 – LADDER INSTALLATION ON THE TRACK

a) Roll the ladder onto the section of track that has been installed.

b) Test the ladder to make sure it can be pulled out to the proper climbing angle.

c) Also, make sure the ladder can be pushed against the shelving unit at the bottom.

STEP 10 – ADDITIONAL TRACK SECTION INSTALLATION

a) Slide the required brackets into the next length of track.

b) Push that length of track over the exposed dowel of the already attached section.

c) This section should butt against the dowel shoulder.

d) Then fasten the brackets to the shelving.

e) Continue until all the track lengths in the run, except the last length, are installed.

STEP 11 – TRACK COMPLETION

a) Measure the length of track needed to complete the run, allowing for proper placement of the end bracket.

b) Cut off the track to the required length with a hacksaw.

c) Slide in the required number of center brackets and insert the other end bracket with the steel disc flush against the end of the track.

d) Install the last length of track to the last dowel as previously described.

e) Then fasten the brackets to the shelving.
BE SURE TO READ THE SAFETY INSTRUCTIONS ATTACHED TO LADDER

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