

ASSEMBLY INSTRUCTIONS FOR REAR EXIT LADDERS

PARTS LIST

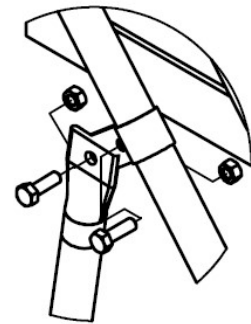
- A.** Stair section with attached lockstep
- B.** Top step
- C.** Base weldment
- D.** Vertical weldment
- E.** Diagonal braces – quantity 2
- F.** Top handrail – left side
- G.** Top handrail – right side
- H.** Lower handrail – quantity 2 for 6-10 steps, 4 for 11 steps and above

HARDWARE

Item:	Quantity Included:
1. 5/16-18 x 1" bolts	6
2. 5/16-18 x 1-1/4" bolts	2
3. 5/16-18 x 1-3/4" bolts	14
4. 5/16-18 x 2" bolts	2
5. 5/16-18 x 2-1/4 bolts	20
6. 5/16-18 locknuts	48
7. 5/16 flat washers	84
8. Handrail Brackets	6 or 10
9. Rear Exit Chain	2
10. Diagonal brace clamp	2

Assembly Instructions – Refer to Illustration

1. Unpack your ladder and make sure that all parts are present, using the parts list and the illustration for reference. You should have two people available for the assembly process. Tools required: ½" wrench and socket wrench.
 2. The ladder will be assembled on its side. It's recommended that sheets of cardboard or other padding be placed on the floor in the assembly area to prevent scratches to the powder coat.
 3. Lay the stair section weldment (A) on its side, and connect the top step weldment (B) to the brackets at the top of the stair section using 4 locknuts (6) and washers (7). Fully tighten the locknuts.
 4. Attach the base weldment (C) to tabs on both sides of the legs under the bottom step of the stair section using two 1-3/4" bolts (3), locknuts (6), and washers (7). Do not fully tighten the bolts yet.
 5. Position the vertical weldment (D) so that the back of the top step lies inside the upper portion of the vertical posts. The uppermost horizontal brace should lie just under the bottom of the top step, and the holes near the back of the top step should align with the holes in the rectangular tubing. The bottom of the vertical should fit against the tabs at the back of the base weldment.
 6. Use two 2" bolts (4) with locknuts (6) and washers (7) to connect the vertical to the top step. Use two 1-3/4" bolts (3), locknuts (6), and washers (7) to connect the vertical to the base. Do not fully tighten.
 7. Install both diagonal braces (E), one on each side of the ladder. Attach one end of the brace to the tab on the back of the base, then attach the other end to the stair section using the gray rubberized brace clamp (10) (see detail to right).
- Use four 1" bolts (1) with locknuts (6) and washers (7) to attach the brace to the base and the clamp to the stair section. Then attach the brace to the clamp with two more 1" bolts (1), locknuts (6), and washers (7). Do not fully tighten them.
8. Install the upper handrail (F or G depending on what side the ladder is lying on) on the upper side of the ladder. Use two 1-3/4" bolts (3) with locknuts (6) and washers (7) on the connections to the posts of the rear vertical. Next, use a handrail bracket (8) with two 2-1/4" bolts (5), locknuts (6), and washers (7) on the end that meets the side of the stair section. The handrail goes on the outside of the stair section, and the bracket goes on the inside. Make sure the round tubing is properly seated in the handrail bracket. Do not fully tighten.
 9. Attach the lower handrail (J) to the outside of the stair section in the same manner. The upper end of the lower handrail should be against the bottom of the top handrail. Use two handrail brackets (8), four 2-1/4" bolts (5), locknuts (6), and washers (7). Do not fully tighten.



10. If your ladder comes with more than one lower handrail (11 steps and above), install the next segment of lower handrail in the same way as the first, making sure that the upper end of the second segment is against the lower end of the first. Do not fully tighten.
11. Clip rear exit chains (9) onto the rings welded to the rear vertical posts.
12. Carefully stand up the ladder. Important – Do not climb the ladder yet.
13. Make sure the ladder is standing on a level surface (clear away cardboard or wheel to another location if necessary). Test the function of the lockstep several times, locking and releasing the mechanism. Finish with the lockstep locked, so the ladder will NOT roll freely.
14. Walk around ladder, making sure it sits level and isn't skewed. Adjust connections if needed, then fully tighten locknuts once ladder is level and square.
15. Once the connections that can be reached from the ground are tightened up, and after checking that the lockstep is locked to the floor, climb ladder carefully to adjust and tighten the rest of the bolted connections.
16. Finish installing the upper and lower rails on the other side of the ladder, using the same hardware and positioning as the first side. Make sure handrails are symmetrical from one side of the ladder to the other.
17. Make a final inspection of the ladder to ensure all connections are tightened, lockstep functions smoothly, and the ladder sits level on the floor.

REAR EXIT LADDER ASSEMBLY INSTRUCTIONS
SEE ADDITIONAL SHEETS FOR PARTS LIST AND ASSEMBLY STEPS
NOTE - WASHERS ARE TO BE USED AT EVERY BOLTED CONNECTION

