

ASSEMBLY OF THE
KNOCKED-DOWN LADDERS:
MODEL 1500

3 - 4 STEP WITH 10", 12", 20", 24" & 30" DEEP TOP STEP
AND 2" SPRING CASTERS

TOOLS REQUIRED FOR ASSEMBLY	
1	RUBBER MALLET
1	7/16" WRENCHES
2	9/16" WRENCHES
2	1/2" WRENCHES

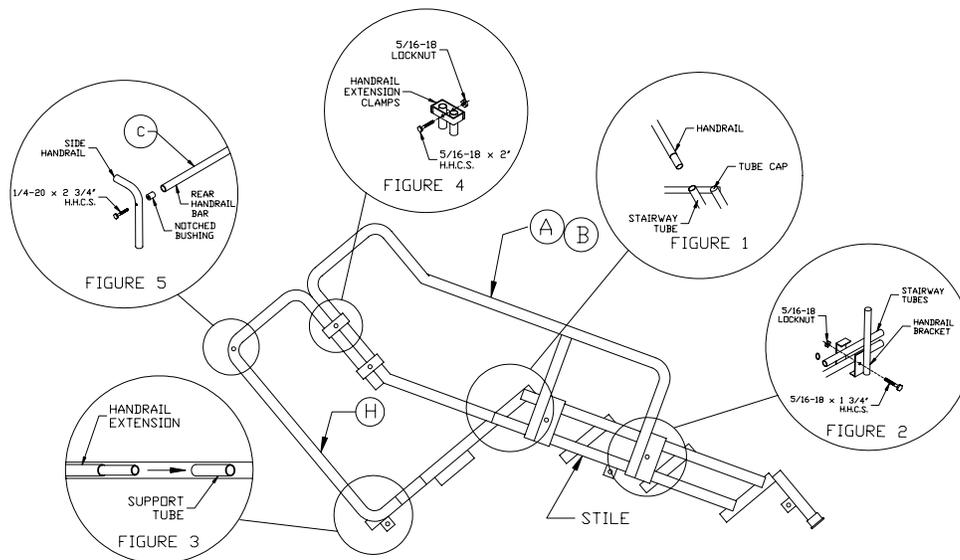
WARNING:

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. ALWAYS USE PROPER LIFTING MECHANICS WHEN ASSEMBLING A LADDER.

STEP 1 – INSTALL HANDRAILS

UNPACKAGE AND SORT ALL COMPONENTS. START BY PLACING THE LADDER STILE ON THE FLOOR, WITH THE STILE FACING UPWARD. INSTALL THE HANDRAILS (A, B) INTO THE REAR STAIRWAY TUBES (**DRAWING A, FIGURE 1**). USE THE RUBBER MALLET AS NEEDED FOR MATING PARTS. CLAMP HANDRAILS TO OUTSIDE OF STAIRWAY TUBES USING HANDRAIL BRACKETS, 5/16-18 x 1 3/4" HEX HEAD CAP SCREWS AND LOCKNUTS (**DRAWING A, FIGURE 2**).

NOTE: DO NOT TIGHTEN ANY BOLTS UNTIL INSTRUCTED TO DO SO.



DRAWING A

STEP 2 – EXTENDED PLATFORMS ONLY

INSTALL HANDRAIL EXTENSION PANELS (H) INTO SUPPORT TUBES LOCATED ON THE SIDE OF THE PLATFORM (**DRAWING A, FIGURE 3**). USE THE RUBBER MALLET AS NEEDED FOR MATING PARTS. CLAMP HANDRAIL EXTENSION PANEL TO HANDRAIL PANELS USING EXTENSION CLAMPS AND 5/16-18 x 2" HEX HEAD CAP SCREWS & LOCKNUTS (**SEE DRAWING A, FIGURE 4**).

NOTE: THE HANDRAILS EXTENSION PANELS ARE NOT ON THE STANDARD PLATFORM LADDERS

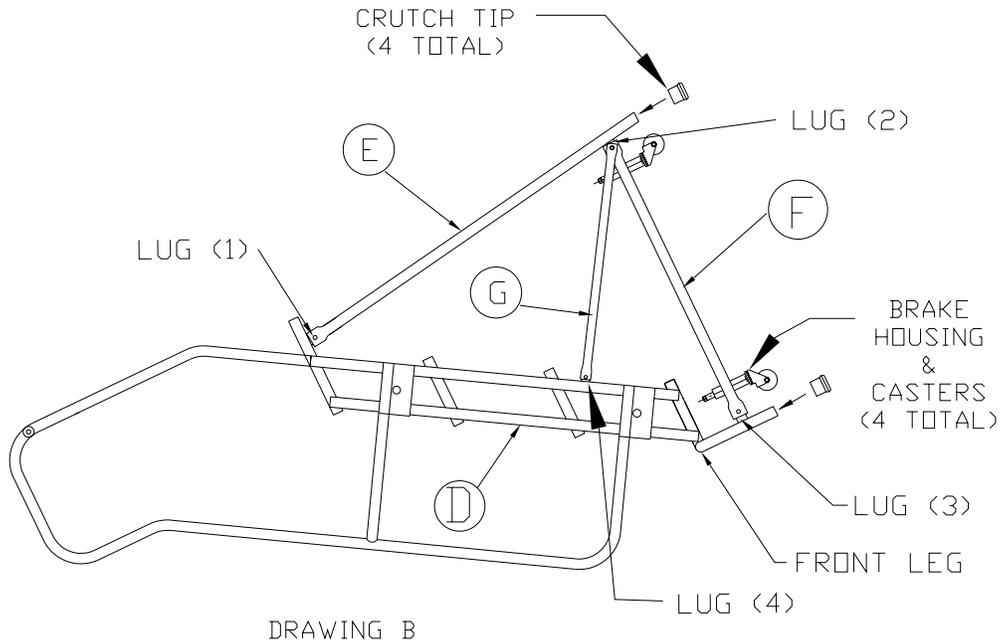
STEP 3

INSERT NOTCHED BUSHING INTO EACH END OF REAR HANDRAIL BAR (C). POSITION BAR BETWEEN MOUNTING HOLES ON TOP OF SIDE HANDRAILS USING (2) 1/4-20 x 2 3/4" HEX HEAD CAP SCREWS (**DRAWING A, FIGURE 5**).

YOU MAY NOW TIGHTEN ALL HANDRAIL BOLTS.

STEP 4

LAY STAIRWAY UNIT HANDRAIL SIDE DOWN. BE SURE TO PLACE STAIRWAY ON A PROTECTIVE SURFACE SO THE FINISH DOES NOT GET DAMAGED (**SEE DRAWING B**).



STEP 5 – FRAME ASSEMBLY

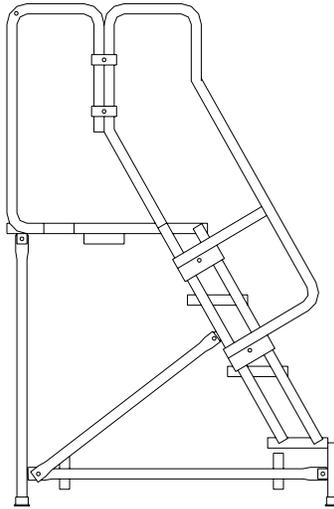
BOLT BACK PANEL (E) TO INSIDE OF LUGS (1) ON STAIRWAY UNIT WITH (2) 3/8-16 X 1" HEX HEAD CAP SCREW & LOCKNUTS (**SEE DRAWING B**).

NOTE: DO NOT TIGHTEN ANY BOLTS UNTIL INSTRUCTED TO DO SO.

STEP 6

USING (2) 3/8-16 X 1" HEX HEAD CAP SCREWS & LOCKNUTS, BOLT BOTTOM BARS (F) TO THE INSIDE OF THE LUGS (2) ON THE BACK PANELS (E). BOLT BOTTOM BARS (F) TO THE INSIDE OF LUGS (3) ON STAIRWAY UNIT (D) (**SEE DRAWING B**).

NOTE: BRAKE HOUSING MUST BE ON THE INSIDE OF THE BOTTOM BARS (F) WITH THE LARGE OPENING FACING THE BOTTOM OF THE LADDER.



DRAWING E

STEP 7

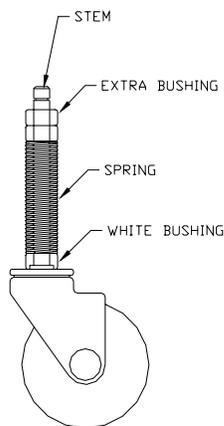
USING (2) 3/8 – 16 x 1” HEX HEAD CAP SCREWS AND LOCKNUTS, BOLT THE DIAGONAL BRACES (G) TO THE OUTSIDE OF LUGS (4) ON THE STAIRWAY UNIT (D), AND THE SECURE BRACES ON THE OUTSIDE OF LUGS (2) (SEE DRAWING B).

NOTE: 3 STEP LADDER DOES NOT HAVE A DIAGONAL BRACE.

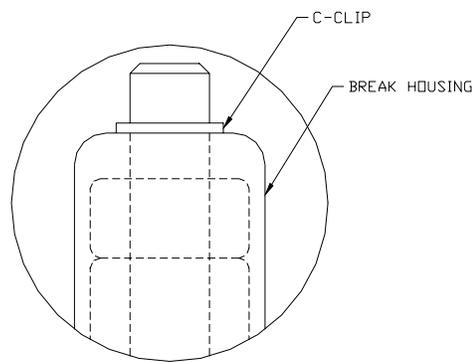
STEP 8 – CASTER ASSEMBLY

PLACE WHITE BUSHING OVER STEM OF CASTER THEN PLACE SPRING OVER STEM, DIVIDE REMAINING BUSHINGS UP SO THAT EACH CASTER WILL HAVE ONE OR MORE OF EACH SUPPLIED (SEE TABLE 1). PLACE ASSEMBLY OVER STEM ON TOP OF SPRING (SEE DRAWING C) AND INSERT INTO BOTTOM OF BREAK HOUSING AND SECURE WITH C-CLIP (DRAWING D). REPEAT THIS STEP FOR REMAINING CASTERS.

NOTE: PERIODIC OILING OF SPRING ASSEMBLY IS RECOMMENDED.



DRAWING C



DRAWING D

STEP 9

SET LADDER UPRIGHT AS SHOWN IN (DRAWING E). LEVEL LADDER AND CHECK THAT ALL 4 LEGS ARE IN CONTACT WITH THE FLOOR.

YOU MAY NOW TIGHTEN ALL BOLTS INSTALLED.
NOTE: DO NOT PROCEED UNTIL LADDER IS STABLE!

STEP 10 – CRUTCH TIP INSTALLATION

INSTALL RUBBER CRUTCH TIPS ONTO FRONT AND REAR LEGS (SEE DRAWING B).

TABLE1 EXTRA BUSHINGS		
CATALOG #	QTY	COLOR
1503R1820	4	BLACK
1503R1820 E420	4	GREEN
1503R1820 E430	4	BLUE
1503R2630	4	GREEN
1503R2630 E420	4	BLUE
1503R2630 E430	4	BLUE
1504R1820	4	BLUE
1504R1820 E420	4	BLUE
1504R1820 E430	4	BLUE
1504R2630	4	BLUE
1504R2630 E420	4	BLUE
1504R2630 E430	8	4 RED, 4 BLACK
1504R3232	8	RED
1504R3232 E420	8	4 RED, 4 BLACK

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