KIT 2700

120 ton
INDUSTRIAL BROWNHOIST
WRECKING CRANE

N SCALE
MADE IN U.S.A.

This kit is our most ambitious to date. Although complex in appearance and highly detailed, it was designed for easy and straightforward assembly. With careful work and a dose of patience you can be assured of perhaps the finest N Scale model yet available, and an enjoyable alternative to Ready to Run.

Please read thru the instructions to familiarize yourself with the various parts and their location.

Please read before Assembly
Use only liquid cement for plastics
Apply cement sparingly to parts with a small brush
Carefully trim and fit all parts as called for in assembly sequence
Use only sprayable paint. Airbrush is recommended
Trim all parts from runners with a sharp modelers knife
Do NOT twist them off

TOOLS NEEDED:
- Sharp modelers knife
- Fine pointed tweezers
- Small pointed brush
- Liquid cement for plastics
- Small flat file

In addition, Decals and Trucks: We recommend KADEE #1010 ARCH BARS, with couplers.

II BOOM ASSEMBLY Fig. 3

1. Draft angle has been molded onto the flanges of boom sides (15) & (16) to facilitate removal from the mold. Carefully scrape the draft off with a sharp knife as shown in fig. 2. To aid cementing of boom sides, simply press the component to the base and then release and tap to adhere.

2. Cement boom spacers (17-18-19) to boom side (16) using long spacer (17) goes to the left, pivoting side (20) and large hook (21) in position. Carefully place right boom & door (15) and cement only where the parts are located. Hold in place till cement sets.

3. Join boom & door (15) to boom & door plates (22-23) using large hook (21), small hook (24) and pulley (20) in position. Carefully place right boom & door (15) and cement only where the parts are located. Hold in place till cement sets.

4. See Figure 4. Cement pulley to pulley bottom (26);

5. Very carefully trim x-bracing (27-28-29) from runners and ensure that x-bracing is taped to the x-bracing as shown in Fig. 2. To aid cementing of boom sides, simply press the component to the base and then release and tap to adhere.

6. Cement lower x-brace (23) in place, locating the top hole at the register mark at pivot end of boom, then in front of pivot boss. It is best to tack this end in place with cement, then work slowly forward, working each part in turn.

7. Cement assembled boom pulley to pulley bottom (25-26) on bosses on top of boom.

8. Cement fork 30-31 to each side of boom pulley and into holes on front of boom.

SET ASIDE TO DRY

III A-FRAME Fig. 5

1. Remove "Suckers" from tops of sides (7-9).

2. Position cable drum (8) into sides of floor (8). Be sure it is positioned to the bottom and rear of slot.

3. Position cable drum (8) in place of side (7). Slot of drum should face opposite side (9). Fix and cement LEFT SIDE (9) in place. DO NOT CEMENT DRUM. Make sure all is square.

4. Cement rear platform (10), right and left cylinders (11-12) and truss rods (13-14) in place.

5. Cement top pulley (43) to bottom pulley (44).

SET ASIDE TO DRY

If a part is damaged during assembly, please return it to us with a self-addressed stamped envelope for a replacement.
V RIGGING

FIGURES A, B, C, D

The rigging was designed to "operate" in that the boom can be raised or lowered with WRENCH (43) and a little assistance. This is to allow you to "pose" the model.

NOTE: Scrape paint from areas to be cemented, and use tweezers and your dose of patience. Follow the drawings carefully and all will go well.

1. Assemble BOOM to A-FRAME with PIVOT PINS (41-42). Apply a small amount of cement to outside of pins, and make sure that the boom is free to pivot.

2. FIGURE A: Find the center of the thread provided, and "snatch" it onto hook molded on winding drum. Using WRENCH (45), wind about six turns onto drum in a counter-clockwise direction as you face the winding side. Thread should come UNDER the drum, facing forward, one on each side.

3. Snap assembled PULLEY/YOKE (43-44) in place on top of A-FRAME.

4. Bring thread under PULLEY (32) in BOOM, (Tweezer Time) up over pulley and back to INSIDE of rear pulley. FIGURE B.

5. Bring thread around inside rear pulley, feeding it thru small hole left in yoke, around to outside of front pulleys, thread thru forks (30-31) and thru bracket of pulley assembly (23-24) on inside of front pulleys, with ends facing rear of cab.

6. Take a stretch, massage the cramps from your fingers, and check that all is well so far.

7. Bring ends of thread UNDER A Frame pulley yoke, and UP thru hole on each side of tab on rear of yoke.

8. THIS IS IMPORTANT!!!

Make sure all rigging is in place and running around each pulley. Carefully pull rigging taut, and tie a double knot on top of yoke tab. It is important to get equal tension on each side of the rigging. Snip off excess.

9. UNWIND (yourself — not the crane)...

VII FINAL ASSEMBLY

1. Slide CAD onto A-FRAME floor, and cement in place. The lift is a little loose to allow for assembly variations. The correct location is to "push" the cab up, where the running boards are even with the top of the extensions at the cab front.

2. With a knife, remove sharp edge inside large hole on FLOOR (1), until A-Frame rotates freely. Easy does it!

3. Insert A-FRAME assembly into FLOOR, place FRICITION SPIDER (32) into hole with tab lining up with notch, and screw in place. The screw will roll-form the thread, but you may prefer to tap the hole 2-56 Trl. This should not be necessary. Adjusting the screw will allow you to vary the firmness of rotation of the cab.

4. The weight (30) may need to be cleaned up with a file, especially the truck boss clearance holes, and the narrow top strip with the small slot in it.

5. Snap, and cement if you want, the WEIGHT RETAINER (40) with raised tab locating in groove in weight.

6. Install trucks. We recommend KADEE #1010 Arch Bars.

7. Final weathering and paint touch up. Try using pastel chalks for rust and dirt streaks, and add lots of grime.