

OPERATOR'S MANUAL FOR MODEL 195 POWER TILT KONTROL-KARRIER
Serial # 176434 - 222732

A. IMPORTANT:

1. Review the Material Safety Data Sheet(s) for the material(s) in the drum(s) and take all necessary precautions. Safety shoes, work gloves, hard hat and other personal protective devices are recommended.
2. Please read all instructions *thoroughly* before attempting to operate your new MORSE drum handler.
3. The model 195 has a maximum capacity rating of 1,500 Lb. full drum and 800 Lb. half-full drum and is designed to lift, move and pour *55 gallon steel drums*. **DO NOT** exceed these ratings. Exceeding these ratings or handling drums other than those mentioned above is unsafe and could result in equipment damage, excessive wear or awkward handling.
4. When loading, unloading, operating, or maintaining your MORSE drum handler, always use care and good judgment. Maintain secure footing and a firm hold. Keep hands and loose clothing away from all moving parts. Never allow anyone to be below any part of a raised drum handler or drum. Read operating instructions and review the pictures in the sales brochure before operation.
5. The model 195 is a "Group 1 - Structural and Mechanical" Below-the-Hook Lifting Device which is covered by the American National Standard ANSI/ASME B30.20. The user should comply with all aspects of this standard.

B. ASSEMBLY INSTRUCTIONS:

1. Install speed reducer oil vent plug and check oil level as shown in the speed reducer owners manual.
2. For AC versions, consult an electrician to complete the wiring into the control box. Units equipped with an air motor require 40 PSI, 22 SCFM. Operating the air motor at higher pressures will reduce the life of the air motor and power transmission components.
3. Prior to initial use, inspect all moving parts and test rotation of saddle assembly. Inspect rubber strap and cinch chain for proper operation. Perform necessary load test, inspections, operator training, etc. as prescribed in the ANSI/ASME B30.20 standard.

C. OPERATING INSTRUCTIONS:

1. With Kontrol-Karrier standing on the floor, lower hoist and engage hoist hook into the lifting eye.
2. Raise hoist to lift Kontrol-Karrier clear of floor and move it to the drum.
3. Position Kontrol-Karrier at a height which aligns the saddle band with the center of the drum.
4. With the rubber strap (item **33**) hanging freely, push Kontrol-Karrier against the drum to surround the drum with the saddle band.
5. Drape the rubber strap across the front of the drum and insert one chain link into the slot on the ratchet handle (item **41**). Turn the ratchet handle clockwise to tighten the cinch chain around the drum (see detail).
6. Raise hoist and position the drum at the pouring station.
7. Pour the drum by pushing the forward button on the pendant (item **1**) and rotating the drum to a suitable pouring angle. For the air powered unit, pull lever clockwise on the control valve (item **4**).
8. After pouring is completed, rotate the drum back to vertical position and lower hoist to return drum to floor.
9. To remove drum: Pull ratchet handle to relieve pressure on ratchet teeth. Lift pawl handle (item **37**) to release teeth engagement and rotate ratchet to loosen chain and allow its removal from notch.

CAUTION: DO NOT allow drum to impact on floor, ground, or dumping station, etc.

CAUTION: DO NOT exceed weight capacity of 1,500 Lb. for FULL drum, 800 Lb. for HALF-FULL drum

D. MAINTENANCE:

1. Inspect oil level in speed reducer.
2. Periodically inspect all moving parts, framework, rubber strap, and contact areas for signs of wear, fatigue, or loosening. Perform all inspections, load tests, and maintenance according to the ANSI/ASME B30.20 standard.

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ITEM	QTY	MODEL SUFFIX	PART #	DESCRIPTION
1	1	-1, -3, -460	2801-P	PENDANT ASM, WIRED, 195
2	1	-1	2799-P	CONTROL BOX, 195A-1
2	1	-3	2860-P	CONTROL BOX, 195A-3
2	1	-460	2859-P	CONTROL BOX, 195A-460
3	1	-1	2857-P	GEARMOTOR, 1PH TEFC, 195A
3	1	-3, -460	2858-P	GEARMOTOR, 3PH TEFC, 195A
3	1	-A	2889-P	GEARMOTOR, AIR, 195A-A
4	1	-A	2890-P	CONTROL VALVE, 195A-A
5	2	-A	2891-P	HOSE, SELF COILING, 195A-A
6	1	-A	AL458-P	MUFFLER CARTRIDGE, GAST 4AM
7	1	-A	2888-P	MOUNT, CONTROL VALVE, 195A-A
8	1		514-P	SPEED REDUCER, 185GR, 195A
9	6		535-P	3/8 - 16 X 1-1/4 HHCS GR 5 STL
10	6		1474-P	WASHER, 3/8 SPLIT LOCK
11	1		2907-P	SPROCKET #35 36T W/SET S, 195A
12	2		1326-P	KEY, SQUARE, 3/16 X 1"
13	1	-1, -3, -460	2906-P	CHAIN, ROLLER, #35 71 PITCH
13	1	-A	2950-P	CHAIN, ROLLER, #35 66 PITCH
14	1	-1, -3, -460	11-P	SPROCKET, #35 12T, 3/4" BORE
14	1	-A	1116-P	SPROCKET #35 17T, 1" BORE
15	1		2909-P	GUARD, INSIDE, WELD 195A
16	1		2910-P	GUARD, OUTSIDE, 195A
17	4		193-P	SCREW, TEK, 12-14 X 3/4" 3 PT
18	1	-1, -3, -460	2861-P	MOUNT, GEARMOTOR, 195A, AC
18	1	-A	3328-P	MOUNT, GEARMOTOR, 195A-A
19	4	-1, -3, -460	1635-P	5/16 - 18 X 1-1/4 WHIZ SCREW
19	4	-A	1641-P	1/4 - 20 X 1-1/4 HHCS GR 2 STL
20	4	-1, -3, -460	1634-P	5/16 - 18 WHIZ - LOCK NUT
20	4	-A	1518-P	1/4 - 20 NYLON LOCK NUT
21	1	-1, -3, -460	2853-P	OVERHEAD W/ BEARINGS, 195A, AC
21	1	-A	2881-P	OVERHEAD W/ BEARINGS, 195A-A
22	1		2854-P	IDLER ARM W/ BEARINGS, 195A
23	1		565-P	5/8 - 11 X 4-1/2 HHCS GR 5 STL
24	1		1473-P	5/8 - 11 REV HEX LOC NUT
25	2		540-P	WASHER, 1-1/2 SAE FL 3" OD
26	1		570-P	COLLAR, 1-1/2" ID
27	1		525-P	KEY, WOODRUFF, SIZE F, ASA1211
28	2		560-P	BEARING, 1-1/2" ID X 2", GR
29	1		2864-P	SADDLE ASM, 195A
30				SADDLE WELDMENT (NOT SOLD SEPARATELY)
31	1		82-P	3/8 - 16 X 2-1/4 HHCS GR 2 STL
32	1		1169-P	3/8 - 16 REV HEX LOC NUT
33	1		E14	FIBRE DRUM STRAP 14"
34	1		731-P	RATCHET HINGE PLATE ONLY 1/4 A
35	1		1296-P	1/4 - 20 X 7-1/2 HHCS GR 5 STL
36	1		1297-P	1/4 - 20 REV HEX LOC NUT
37	1		168-P	PAWL, WITH DRILLED HOLE
38	1		169-P	PAWL SPRING
39	1		170-P	3/8" DIA X 5/8" SHOULDER SCREW
40	1		710-P	RETAINER, RATCHET PUSH ON 3/4"
41	1		165-P	RATCHET, MALLEABLE, FOR SADDLE

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