

OWNER'S MANUAL FOR
MORSE MODEL 185A-GR, EXTRA HEAVY DUTY KONTROL-KARRIER
Serial Number 0793 to 0300

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 185A-GR has a maximum capacity rating of 2,000 lb. full drum and 1,000 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 185A-GR 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. Remove chain wheel (item 4) and bolts, washers & nuts (items 1, 3, & 5) from the box.
2. Slide chain wheel onto speed reducer (item 24) input shaft with the chain guide facing outward.
3. Align the three holes in the chain wheel with the holes in the triangle (item 2) . Fasten the bolts, washers, and nuts exactly as shown on the parts diagram.
4. Install speed reducer oil vent plug and check oil level as shown in the speed reducer owners manual.
5. Prior to initial use, inspect all moving parts and test rotation of chain wheel and saddle assembly. Inspect load binders and cinch chains 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 closest to the chain wheel.
2. Raise hoist to lift Kontrol-KARRIER clear of floor and move it to the drum. (Kontrol-KARRIER should hang plumb.)
3. Position Kontrol-KARRIER at a height which aligns the saddle band with the center of the drum.
4. With the cinch chains (item 15) and load binders (item 17) hanging freely, push Kontrol-KARRIER against the drum to surround the drum with the saddle band.
5. Drape the top cinch chain (item 15) across the face of the drum and engage a link into the hook on the top load binder (item 17), clamp the load binder to tighten the cinch chain around the drum. Repeat this procedure for the bottom cinch chain and load binder.
6. Secure the snap hook (item 16) to the loose ends of the cinch chains, pinning the load binder handles under the chain to prevent inadvertent releasing of the load binder.
7. Lower hoist hook until slack. Relocate hoist hook to lifting eye that is centered over drum.
8. Raise hoist and position the drum at the pouring station.
9. Pour the drum by pulling on the pull chain (item 23) and rotating the drum to a suitable pouring angle.
10. After pouring is completed, rotate the drum back to vertical position and lower hoist to return drum to floor. Relocate hoist hook to lifting eye closest to the chain wheel.
11. Remove the drum by releasing the snap hook and load binders to detach the cinch chains. Push Kontrol-KARRIER away from drum.

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

CAUTION: DO NOT exceed weight capacity of 2,000 lb. for FULL drum, 1,000 lb. for HALF-FULL drum.

D. MAINTENANCE:

1. Inspect oil level in speed reducer.
2. Periodically inspect all moving parts, framework, load binders, 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.

PARTS DIAGRAM FOR MODEL 185A-GR
EXTRA HEAVY-DUTY KONTROL-KARRIER
Serial Number 0793 to 0300

| ITEM | QTY | P/N | DESCRIPTION |
|---------------|-----|----------|--------------------------------|
| 1 | 3 | 1464-P | 3/8 - 16 X 1-1/4 HHCS GR 2 STL |
| 2 | 1 | 1475-P | TRIANGLE WELDMENT 185GR |
| 3 | 9 | 1166-P | WASHER, 3/8 USS 1" OD |
| 4 | 1 | 500-P | CHAIN WHEEL W/ GUIDE 4/0 185GR |
| 5 | 11 | 1169-P | 3/8 - 16 REV HEX LOC NUT |
| 6 | 1 | 2138-P | COLLAR, SINGLE SPLIT, 3/4" |
| 7 | 1 | 545-P | OVERHEAD & IDLER W BRG, 185GR |
| 8 | 1 | 550-P | IDLER ARM W/ BEARING 185GR |
| 9 | 1 | 565-P | 5/8 - 11 X 4-1/2 HHCS GR 5 STL |
| 10 | 1 | 570-P | COLLAR, 1-1/2" ID |
| 11 | 1 | 1473-P | 5/8 - 11 REV HEX LOC NUT |
| 12 (see note) | 1 | 557CPT-P | SADDLE ASM CPT, 185GR |
| 13 | 1 | 557-P | SADDLE WELDMENT, 185GR |
| 14 | 2 | 314-P | U-BOLT 3/8 - 16 GR & 300 |
| 15 | 2 | 180-P | CHAIN, CINCH, 3/16 ALLOY 33 LK |
| 16 | 1 | 575-P | SNAP HOOK GR & 300 |
| 17 | 2 | 315-P | LOAD BINDER |
| 18 | 1 | 525-P | KEY, WOODRUFF, SIZE F, ASA1211 |
| 19 | 2 | 540-P | WASHER, 1-1/2 SAE FL 3" OD |
| 20 | 2 | 560-P | BEARING, 1-1/2" ID X 2", GR |
| 21 | 2 | 535-P | 3/8 - 16 X 1-1/4 HHCS GR 5 STL |
| 22 | 2 | 1474-P | WASHER, 3/8 SPLIT LOCK |
| 23 | 1 | 2329-P | PULL CHAIN, 4/0 LOCK LINK, 13' |
| 24 | 1 | 514-P | SPEED REDUCER, 185GR |

NOTE: "Saddle Assembly Complete" (#12) includes the "Saddle Weldment" (#13) and appropriate attached parts, such as (8) 1169-P, (4) 314-P, (2) 180-P, (1) 575-P, & (2) 315-P.

For replacement parts, please contact your Morse dealer.

When ordering parts, please specify:

- Part number and description,
- Model number
- Serial number

Find model number and serial number on metal name plate attached to Extra Heavy-Duty Kontrol Karrier.

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