

**OPERATORS MANUAL FOR MORSE 185 SERIES KONTROL-KARRIERS**  
**Serial Number 0793 to 1202 (MMYY)**

**Model 185A for 55 gallon standard steel drum (22½" diameter)**

**Model 185B for 30 gallon standard steel drum (19" diameter)**

**Model 185G for 55 gallon standard steel drum features three-piece saddle**

**Model 185C for steel or fiber drum (21-23" diameter)**

**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, B, C or D have a maximum capacity rating of 800 Lb. FULL drum and 500 Lb. HALF-FULL drum and are designed to lift, move and pour drums of size and type noted above. *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.

**B. 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 cinch chains (item 25 or 26) hanging freely, push Kontrol-Karrier against the drum so that saddle will encircle the drum. (On the model 185G, pull the linch pin(item 46), open the toggle clamp and swing both hinge bands to the open position.
5. Drape the cinch chain (item 25 or 26) across the front of the drum and insert one link into the slot on the ratchet handle (item #32). Turn the ratchet handle clockwise to tighten the cinch chain around the drum (see detail). (On the model 185G, close the two hinged bands around the drum, latch the toggle clamp, and insert the linchpin.)
6. Raise hoist and position the drum at the pouring station.
7. Pour the drum by pulling on the pull chain (item 3) and rotating the drum to a suitable pouring angle. For best control of drum pouring angle, pay out one side of the loop while pulling in the other side, thus being able to hold back the drum rotation after the load shifts.
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 30) to release teeth engagement and rotate ratchet to loosen chain and allow its removal from notch.

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

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

**C. MAINTENANCE:**

1. Lubricate gear teeth and roller chain.
2. Clean and oil ratchet, pawl, saddle hinge, and other moving parts periodically. (Clean & lubricate more often in environments where dust, dirt or other foreign particles will effect the performance of moving parts.)
3. Periodically inspect all moving parts, framework, and contact areas for signs of wear, fatigue, or loosening. Tighten adjust or replace parts as necessary to prevent failure and maintain proper function.

## PARTS LIST

### MORSE 185 SERIES KONTROL-KARRIERS

Serial Number 0793 to 1202 (MMYY)

MODELS 185A, 185G, 185B, 185C, 185D

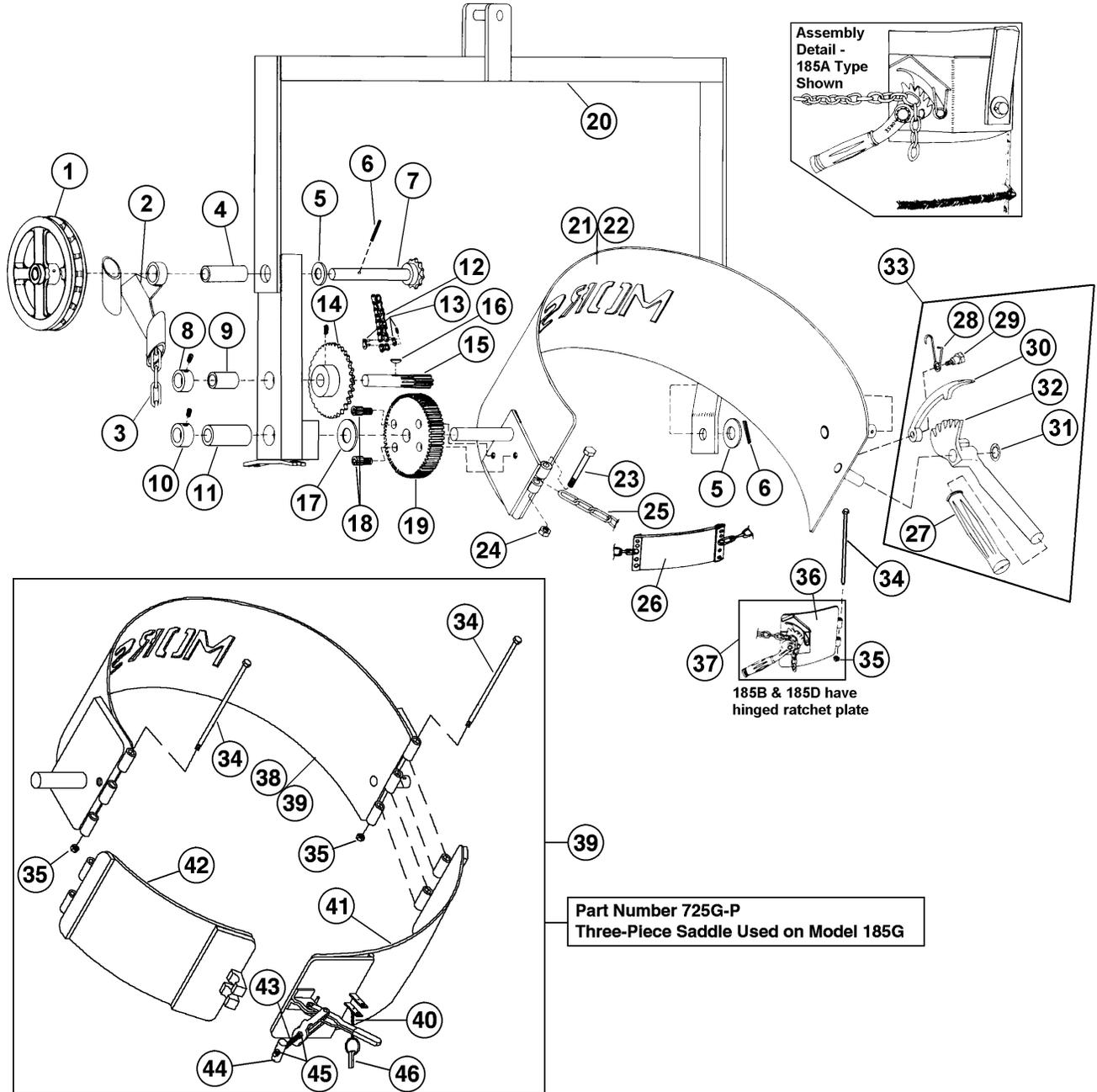
ITEM	MODEL SUFFIX	QTY	P/N	DESCRIPTION
1		1	1303-P	POCKET CHAIN WHEEL, 3/4 BORE
2		1	1304-P	GUIDE, POCKET CHAIN WHEEL
3		1	3-185-P	PULL CHAIN, POCKET, 12' LENGTH
4		1	19-P	BEARING, 3/4" ID X 2-1/2"
5		2	55-P	WASHER, 3/4 SAE FL 1-1/2 OD
6		2	64-P	ROLL PIN, 3/16 X 1-1/4
7		1	1302-P	SHAFT W/ 12T SPROCKET, POCKET
8		1	15-P	COLLAR, 3/4" ID
9		1	7-P	BEARING, 3/4" ID X 1-1/2"
10		1	16-P	COLLAR, 1" ID
11		1	18-P	BEARING, 1" ID X 2-1/2"
12		1	12-P	CHAIN, ROLLER, #35 W/ M LINK
13		1	795-P	LINK, MASTER, FOR #35 CHAIN
14		1	13-P	SPROCKET #35 36T, 3/4" BORE
15		1	14-P	GEAR, PINION, 7 TOOTH
16		1	735-P	KEY, WOODRUFF, SIZE 9, ASA606
17		1	29-P	SPACER, SPUR GEAR .15"
18		2	22-P	3/8 - 24 X 5/8" SHCS STL
19		1	23-P	GEAR, SPUR, 72T, 1" HOLE
20		1	47-P	OVERHEAD LIFT YOKE 185A W/BRG
21	A	1	112A-P	SADDLE ASSEMBLY COMPLETE, 185A
21	B	1	112B-P	SADDLE ASSEMBLY COMPLETE, 185B
21	C	1	112C-P	SADDLE ASSEMBLY COMPLETE, 185C
21	D	1	112D-P	SADDLE ASSEMBLY COMPLETE, 185D
22	A	1	113A-P	SADDLE WELDMENT, 185A
22	B	1	113B-P	SADDLE WELDMENT, 185B
22	C	1	113C-P	SADDLE WELDMENT, 185C
22	D	1	113D-P	SADDLE WELDMENT, 185D
23	A, B, C, D	1	82-P	3/8 - 16 X 2-1/4 HHCS GR 2 STL
24	A, B, C, D	1	1169-P	3/8 - 16 REV HEX LOC NUT
25	A,B	1	180-P	CHAIN, CINCH, 3/16 ALLOY 33 LK
26	C,D	1	E14	FIBRE DRUM STRAP 14"
27	A, B, C, D	1	136-P	HANDLE GRIP, 7/8" X 4-3/4"
28	A, B, C, D	1	169-P	PAWL SPRING
29	A, B, C, D	1	170-P	3/8" DIA X 5/8" SHOULDER SCREW
30	A, B, C, D	1	168-P	PAWL, WITH DRILLED HOLE
31	A, B, C, D	1	710-P	RETAINER, RATCHET PUSH ON 3/4"
32	A, B, C, D	1	165-P	RATCHET, MALLEABLE, FOR SADDLE
33	A, B, C, D	1	165KIT-P	KIT, RATCHET CHAIN TIGHTENER
34	B,D	1	1296-P	1/4 - 20 X 7-1/2 HHCS GR 5 STL
34	G	2	1296-P	1/4 - 20 X 7-1/2 HHCS GR 5 STL
35	B,D	1	1297-P	1/4 - 20 REV HEX LOC NUT
35	G	2	1297-P	1/4 - 20 REV HEX LOC NUT
36	B,D	1	730-P	RATCHET HINGE PLATE ONLY 1/4 B
37	B,D	1	725-P	RATCHET HINGE PLATE CPT 1/4" B
38	G	1	730G-P	SADDLE WELDMENT, 3PC, 285G
39	G	1	725G-P	SADDLE ASM CPT, 3PC, 285G
40	G	1	2680-P	KEEPER CHAIN, LINCH PIN, 6"
41	G	1	2671-P	HINGE CPT, IDLER, 3PC
42	G	1	2672-P	HINGE CPT, DRIVE, 3PC
43	G	1	2870-P	THREADED ROD, PCR-2000
44	G	1	2674-P	THREADED BARREL, CAMLOCK
45	G	2	2872-P	3/8 - 24 FIN HEX NUT, PCR-2000
46	G	1	2871-P	LINCH PIN, 3PC SADDLE

**Note #1:** If no letter is shown, the part is for Models 185A, 185B, 185C, 185D and 185G. If a letter is shown, the part is for the model with that letter suffix only.

**Note #2:** "SADDLE ASSEMBLY COMPLETE" includes the "SADDLE WELDMENT" and appropriate attached moving parts, such as 23, 24, 25 OR 26, 33, 34, 35, 36. The "SADDLE WELDMENT" has no moving parts.

### PARTS DIAGRAM

Serial Number 0793 to \_\_\_\_ (MMYY)



**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.**