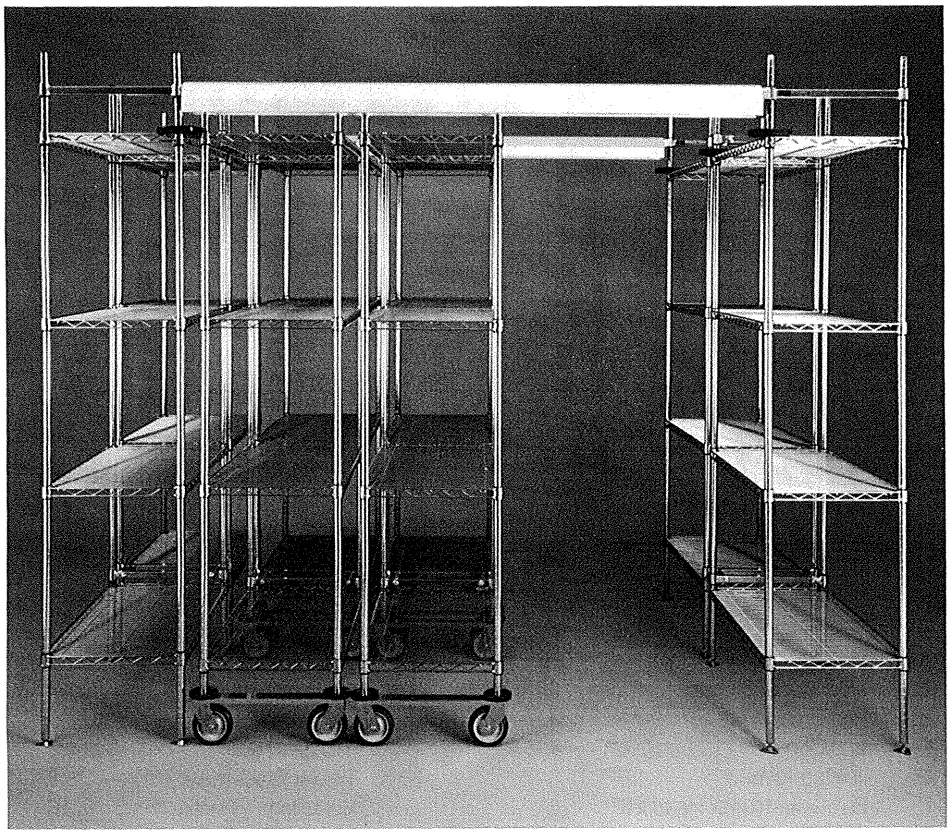
Double Deep Top-Track Storage System

(No Intermediate Unit Shown)

ASSEMBLY INSTRUCTIONS



***NOTE:** This instruction sheet covers the following models:

SECTION A: STATIONARY END UNIT KITS
(One Per Track Set)

LTTE3C
LTTE4C
LTTE5C
LTTE6C
LTTE7C

SECTION B: MOBILE CART KIT
(One Per Mobile Unit)

LTTM3AC
LTTM4AC
LTTM5AC
LTTM6AC
LTTM7AC

SECTION C: INTERMEDIATE UNIT KITS
(For track needs that are longer than 21 feet)

LTTA3C
LTTA4C
LTTA5C
LTTA6C
LTTA7C

SECTION D: TRACK SETS

TTS6N
TTS7N
TTS8N
TTS9N
TTS10N
TTS11N
TTS12N
TTS13N
TTS14N
TTS15N
TTS16N
TTS17N
TTS18N
TTS19N
TTS20N
TTS21N

NOTE: Recommended mobile unit load capacity is 800-1200 lbs. Floor should be level, smooth, and free of large cracks and/or raised obstacles.

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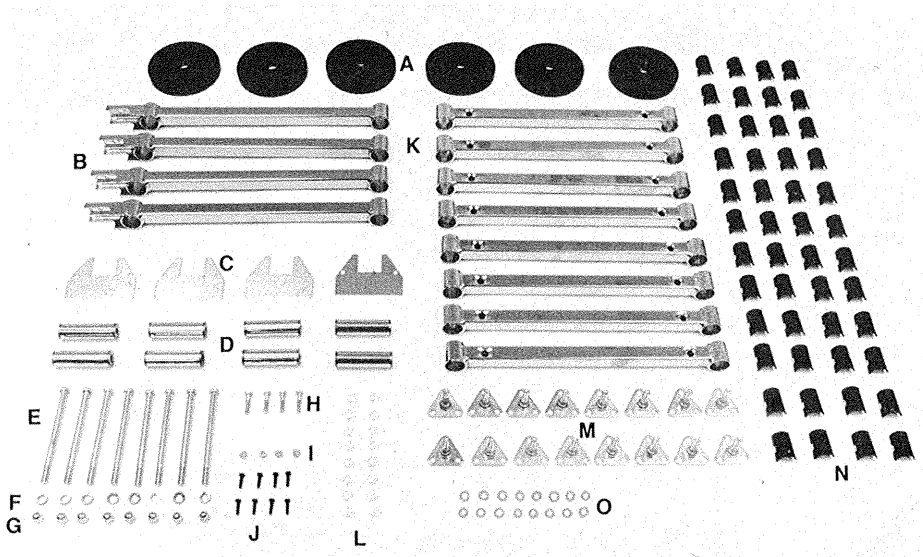
ASSEMBLY INSTRUCTIONS
For Double Deep Top-Track Storage System

Double Deep Top-Track Storage System

LIST OF COMPONENTS

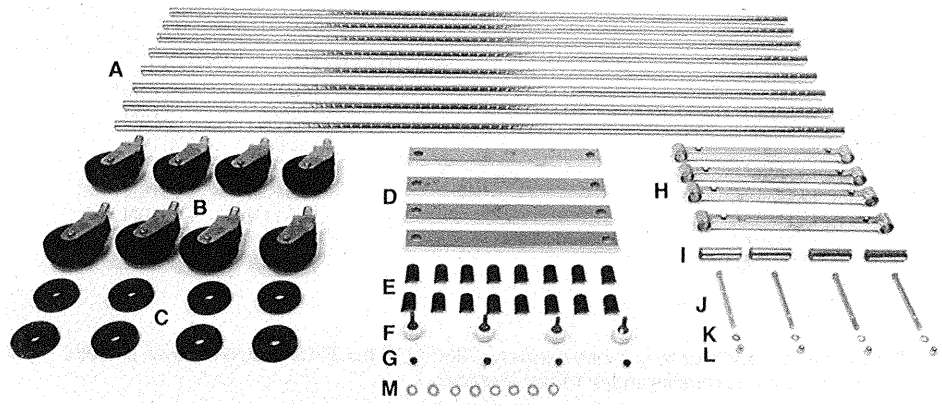
For Assembly of the Double Deep Top-Track Storage System

STATIONARY END UNIT KIT



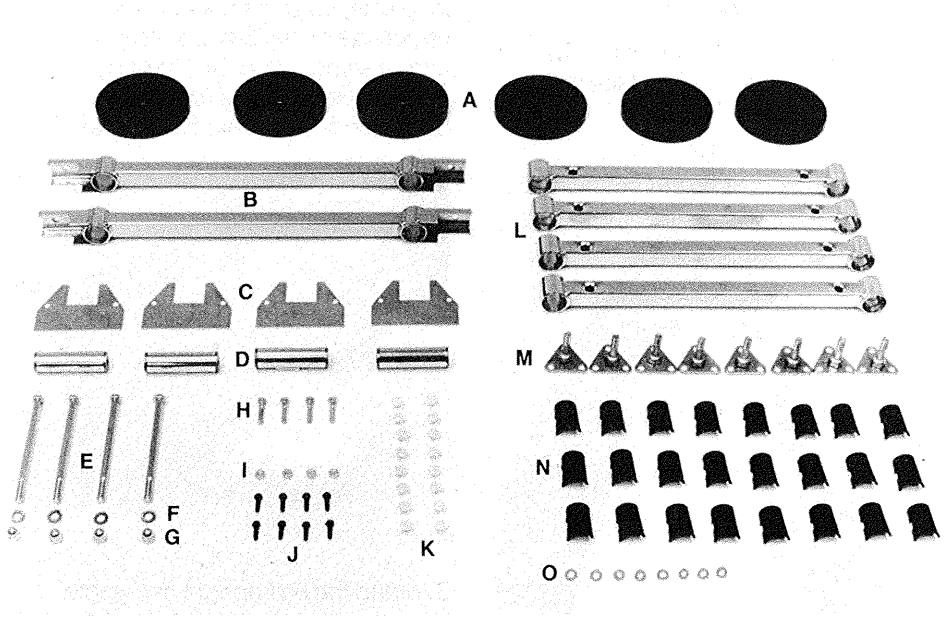
Item	Description	Qty.	Item	Description	Qty.
A.	5 1/2" Donut Bumper	6	I.	Hex Nut — 1/4-20	4
B.	End Bracket Bar	4	J.	Tap Screw, Hex Head #10-32 x 3/8	8
C.	End Cap	4	K.	Tie Bar Bracket	8
D.	Joining Tube	8	L.	Hole Plug — Plastic	16
E.	Bolt — 3/8-16 Hex Head x 6"	8	M.	Triangular Foot Plate	16
F.	Washer — Split Lock-3/8	8	N.	Split Sleeves — Plastic	24 pr.
G.	Acorn Nut — 3/8-16	8	O.	Washer — Flat-3/8	16
H.	Bolt — 1/4-20 Hex Head	4			

MOBILE CART KIT



Item	Description	Qty.	Item	Description	Qty.
A.	Post w/Staked Foot	8	H.	Tie Bar Bracket	4
B.	Caster	8	I.	Joining Tube	4
C.	3 1/2" Donut Bumper	8	J.	Bolt — 3/8-16 Hex Head x 6"	4
D.	Caster Channel	4	K.	Washer — Split Lock-3/8	4
E.	Split Sleeves — Plastic	8 pr.	L.	Acorn Nut — 3/8-16	4
F.	Roller Bearing Assembly	4	M.	Washer — Flat-3/8	8
G.	Post Cap — Plastic	4			

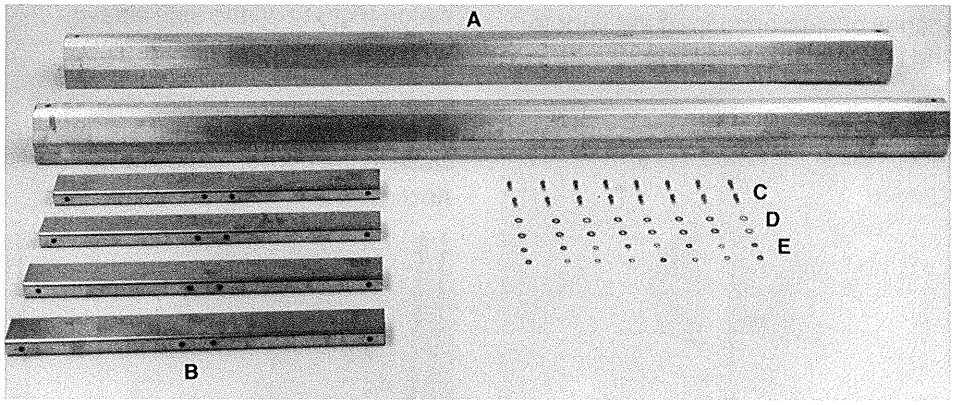
INTERMEDIATE UNIT KIT



Item	Description	Qty.
A.	5½" Donut Bumper	6
B.	Double Bracket Bar	2
C.	End Cap	4
D.	Joining Tube	4
E.	Bolt — 3/8-16 Hex Head x 6"	4
F.	Washer — Split Lock-3/8	4
G.	Acorn Nut — 3/8-16	4
H.	Bolt — 1/4-20 Hex Head	4

Item	Description	Qty.
I.	Flanged Nut — 1/4-20	4
J.	Tap Screw, Hex Head #10-32 x 3/8	8
K.	Hole Plug — Plastic	16
L.	Tie Bar Bracket	4
M.	Triangular Foot Plate	8
N.	Split Sleeves — Plastic	12 pr.
O.	Washer — Flat-3/8	8

TRACK SET KIT



Item	Description	Qty.
A.	Track	2
B.	J-Channel	*
C.	Bolt — 1/4-20 Hex Head x 3/8	*
D.	Washer — Flat-1/4	*
E.	Washer — Split Lock-1/4	*

*The quantity of parts will vary depending upon length of track being ordered.

Double Deep Top-Track Storage System

Section A
ASSEMBLY INSTRUCTIONS

For Stationary End Unit

(2 Units Required)
Two People Required for Assembly

NOTE: 86P Posts must be used in the assembly of the unit.

1. Unpack carton(s) to confirm amount and identity of components.

2. Unscrew the leveling bolt from the bottom of each post and replace with a triangular foot plate (Fig. 1).

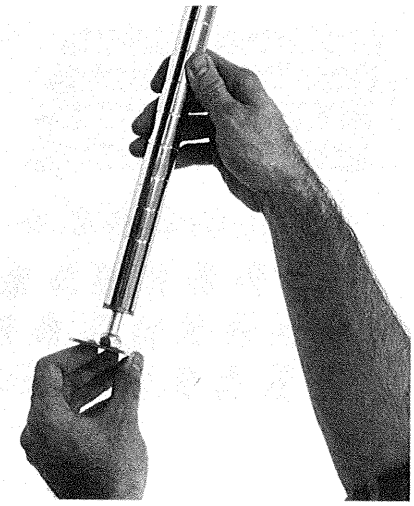


FIG. 1

Note that the post grooves are numbered for ease of assembly.

3. Take four pair of plastic split sleeves and place a pair on each post on the lowest groove at which the shelf will be located (Fig. 2). Make certain the bead of the split sleeves fits securely into the groove of the post.

NOTE: For Foodservice applications, NSF requires a minimum of six inches of clearance from the floor to the first shelf (groove #7).

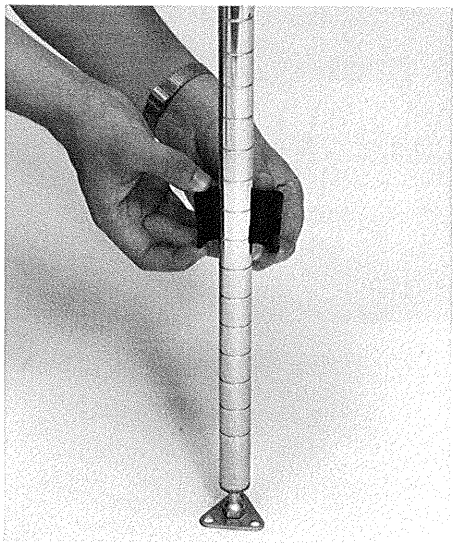


FIG. 2

4. Take a shelf and standing it on its long side, insert a post from the underside of the shelf into each of the corner sleeves (Fig. 3). Carefully reverse the shelf and repeat this operation for the other two corners.

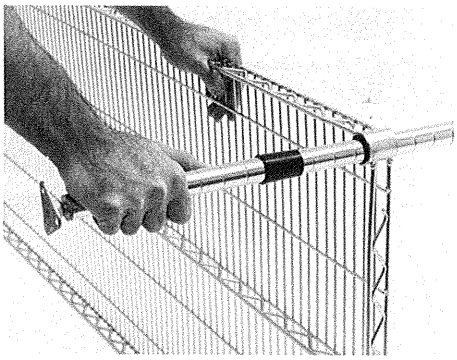


FIG. 3

5. Stand the unit upright and apply pressure at each corner to seat the shelf securely and evenly on the posts (Fig. 4). Then using a hammer and a block of wood, gently hit the shelf down until it is completely seated (Fig. 5).

CAUTION: Never use a hammer directly on the corner without using a block of wood to protect the unit.

NOTE 1: Seating the shelf in its final position with a hammer can best be accomplished by seating each corner gradually and concentrating the hammer hits on the corner that is sitting highest on the split sleeves until all corners are completely seated near the bottom of the split sleeves. The hammer hits should be on each side of the corner and as close to the corner as possible.

Above note typical on all corners.

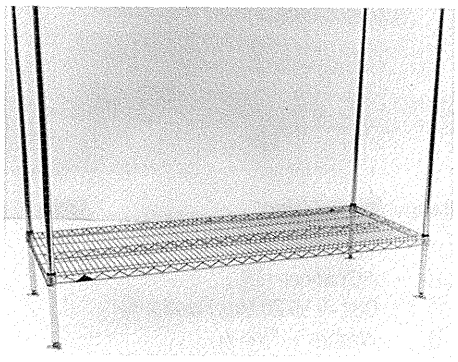


FIG. 4

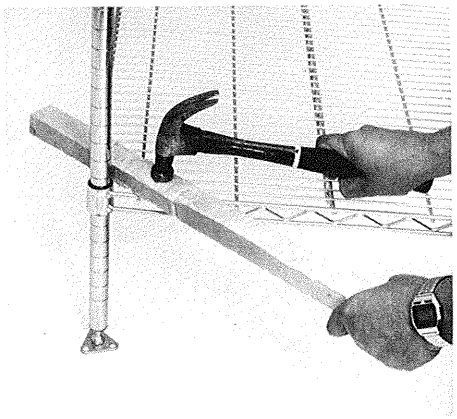


FIG. 5

6. At one end of the unit, count up two grooves above the shelf and place a pair of split sleeves on each of these grooves. Slide a tie bar bracket down over the posts onto the sleeves. Seat bracket as per Note 1 (Fig. 6).

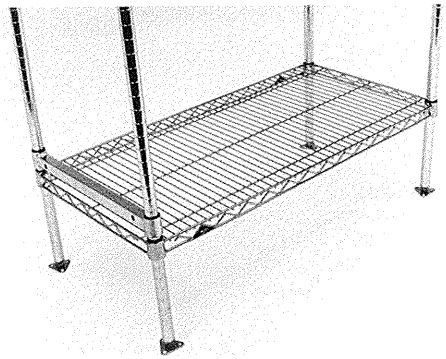


FIG. 6

7. Determine the locations for the remaining shelves and mount each shelf by placing a pair of split sleeves on the proper groove of each post. Then slide the shelf down over the posts and onto the split sleeves. Repeat operation #5 and Note 1 to seat each shelf securely. Be certain not to have the top shelf located above the eighth groove (groove #79) down from the top of the posts. This will prevent interference with the track.

8. Assemble a second shelving unit by following operations #1 thru #7. When assembling the second unit, take note to align the tie bar brackets to the first shelving unit. Shelf locations may vary. Next, position the units in the desired location, end to end, so the brackets are facing each other. The space between the brackets should be approximately 3 1/2" (Fig. 7).

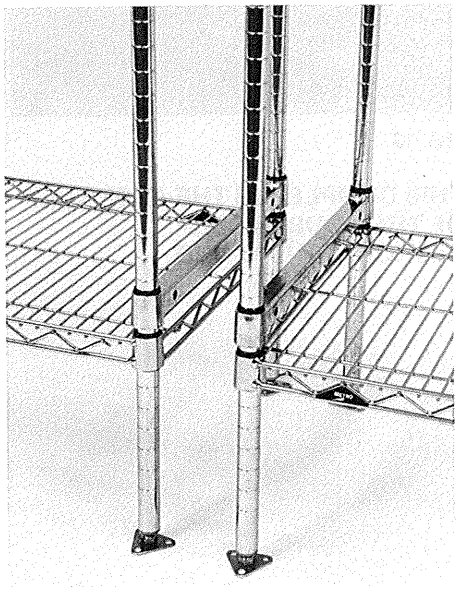


FIG. 7

9. On the long side of each unit which faces inboard toward the mobile units, slide a 5 1/2" donut bumper down over three of the four posts. Bumpers will rest on the top shelves (Fig. 8 and Fig. 9).

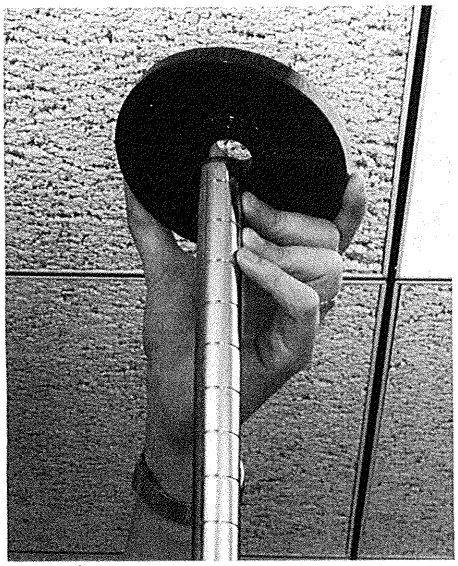


FIG. 8

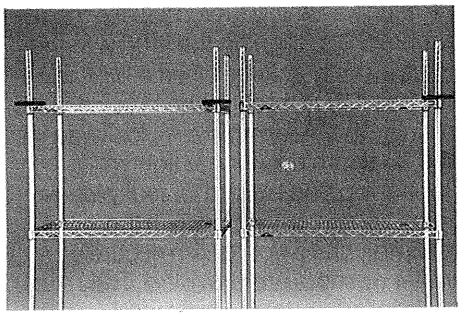


FIG. 9

10. On the posts to which the lower tie bar brackets are mounted, count up three grooves above the top shelves and place a pair of split sleeves on each of these grooves. When the top shelf levels do not correspond, position the tie bar brackets for alignment. Slide the remaining brackets down over posts onto the sleeves. Seat as per Note 1 (Fig. 10).

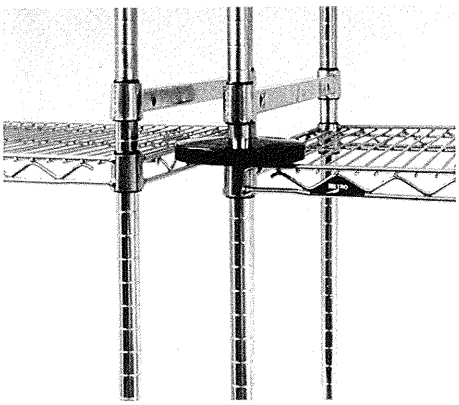


FIG. 10

Double Deep Top-Track Storage System

11. Place a joining tube between the tie bar brackets, aligning the tube with the holes in the brackets. Insert a 3/8 x 6" hex head. bolt through the brackets and joining tube. Assemble a 3/8 lockwasher and 3/8 acorn nut. Finger tighten. Repeat top and bottom — four places. Then, tighten all hardware. If the assembly does not tighten securely, 3/8-flat washers are provided. They may be installed under the bolt head and/or the lockwasher (Fig. 11).

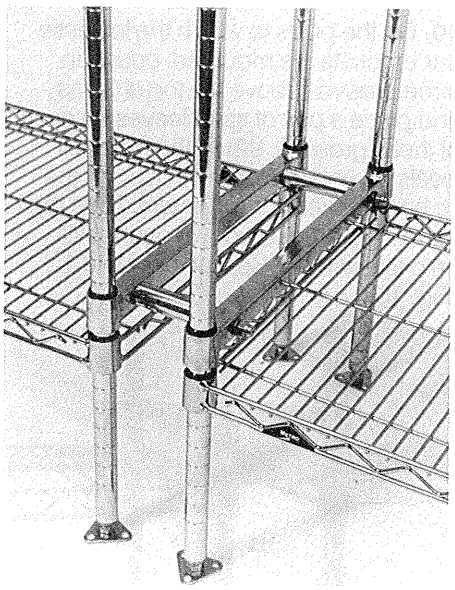


FIG. 11

12. On the two outer ends, opposite the tie bar brackets, count down five grooves (groove #82) from the top of each post and place a pair of split sleeves on each of these grooves. Next, slide an end bracket bar down over the posts and onto sleeves. Be certain to have the extended end of the bar on the same side of the unit as the 5 1/2" donut bumpers. Seat as per Note 1 (Fig. 12 and Fig. 13).

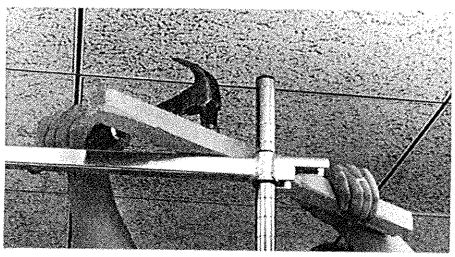


FIG. 12

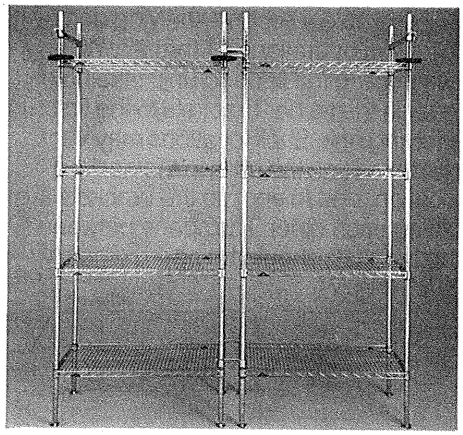


FIG. 13

THIS COMPLETES THE ASSEMBLY OF THE DOUBLE DEEP STATIONARY END UNIT.

Section B

ASSEMBLY INSTRUCTIONS

For Mobile Unit

(Number of Units Required Depends Upon Users Needs)

Two People Required for Assembly

1. Unpack carton(s) to confirm amount and identity of components.

2. Take the four posts with the staked foot at the top and place a pair of split sleeves on the lowest groove at which the shelf will be located. Make certain that the beads of the split sleeves fit securely into the grooves on the post (Fig. 1).

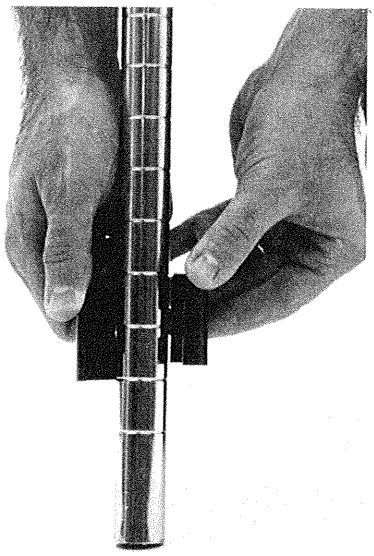


FIG. 1

3. Follow operations #4 through #7 from the stationary unit instructions for mobile shelf mounting.

IMPORTANT: When mobile units (especially 18″, 21″ and 24″ wide) are used for heavy loads, the possibility exists for roller binding and/or post bending. Therefore, the top shelf must be located at the fourth (groove #71) or fifth (groove #70) groove down from the top of the posts. Also, the top shelf cannot be located above the third groove (groove #72) down due to interference with track.

4. On the two posts to which the lower tie bar bracket is mounted, count up two grooves above the top shelf and place a pair of split sleeves on each of these grooves. Slide a tie bar bracket down over posts onto the sleeves. Seat bracket as per Note 1 in the stationary end unit instructions.

5. Lay the unit on its long side and slide a 3 1/2″ donut bumper onto the bottom of each post (Fig. 2).

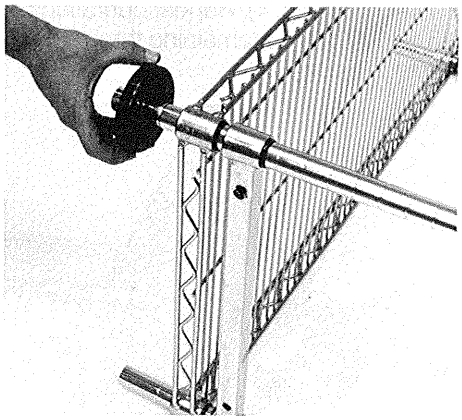


FIG. 2

6. Take a caster channel with the legs pointing downward and center it over the two posts at each end of the unit. Insert the stem of a caster through the caster channel and into the post. Be certain that the caster horn is facing inward (Fig. 3).

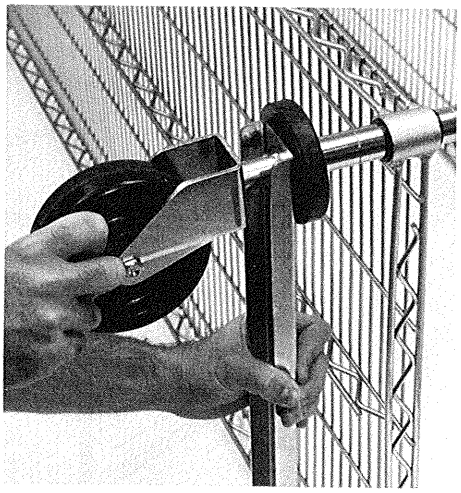


FIG. 3

Double Deep Top-Track Storage System

7. Tap the caster into the post until it is fully seated. The legs on the caster channel should straddle the sides of the caster horn (Fig. 4). Repeat operations #6 and #7 for the remaining three casters (Fig. 5).

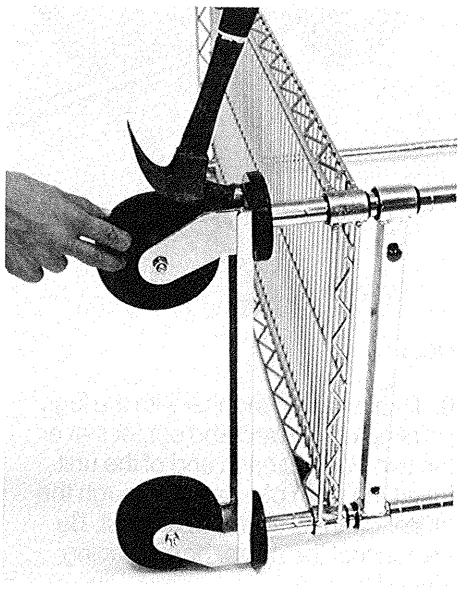


FIG. 4

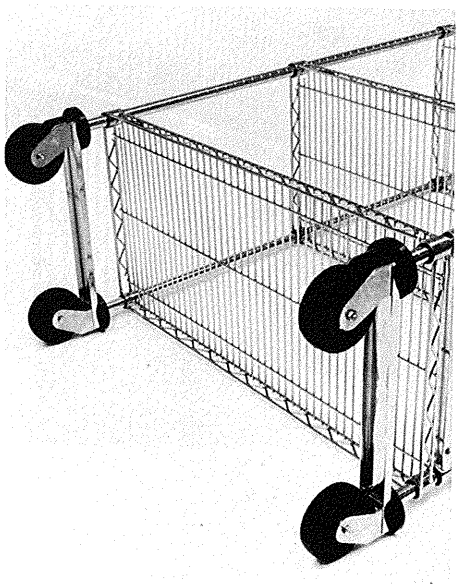


FIG. 5

8. On the end opposite the tie bar brackets, thread a roller assembly into the top of each post. Tighten roller assembly with a wrench 1/4 turn past finger tight (Fig. 6).

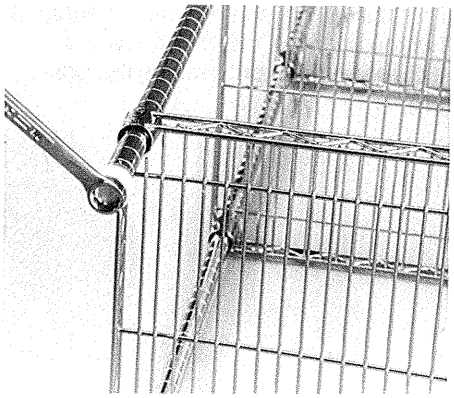


FIG. 6

9. On the same posts that the tie bar brackets are mounted to, insert a plastic post cap into the top of each post (Fig. 7).

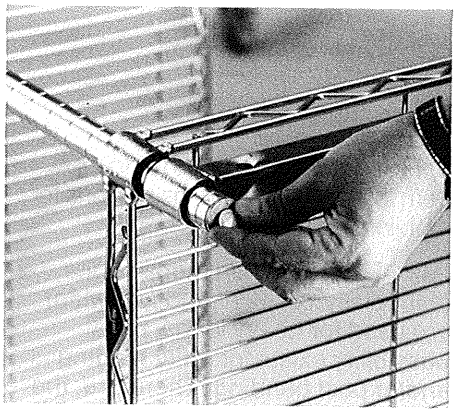


FIG. 7

10. Assemble another mobile shelving unit by following operations #1 thru #9. The upper and lower tie bar brackets must be located on the same levels as the first mobile unit.

11. Position the assembled units end to end in the desired location alongside the stationary end unit. Spacing between units should be approximately 3 1/2". Tie bar brackets should be facing each other and the rollers must be on the outboard ends of the installation. If necessary, block casters to reduce unit movement.

12. Refer to operation #11 from the stationary end unit instructions for procedure on joining the two mobile units together (Fig. 8).

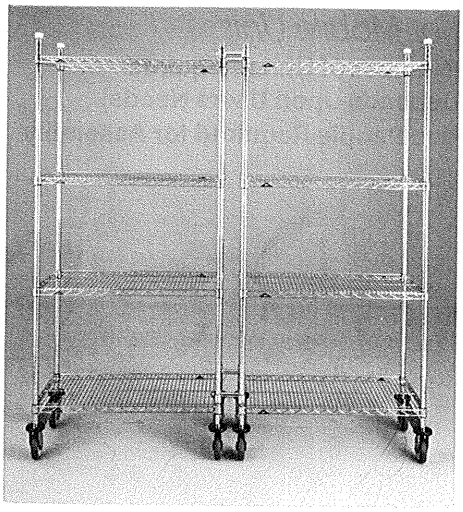


FIG. 8

THIS COMPLETES THE ASSEMBLY OF ONE DOUBLE DEEP TOP-TRACK MOBILE UNIT.

Section C

ASSEMBLY INSTRUCTIONS

For Intermediate Unit

(Number of Units Required Depends Upon Users Needs)

NOTE: 86P Posts must be used in the assembly of the unit.

1. Follow operations #1 thru #7 from the stationary end unit instructions to assemble two shelving units.

2. The intermediate units are to be located in the center of the overall installation length. Position these units end to end with the tie bar brackets facing each other. The space between the brackets should be approximately 3 1/2".

3. On both long sides of the units, slide a 5 1/2" donut bumper down over three of the four posts per side. Bumpers will rest on the top shelves (Fig. 1).

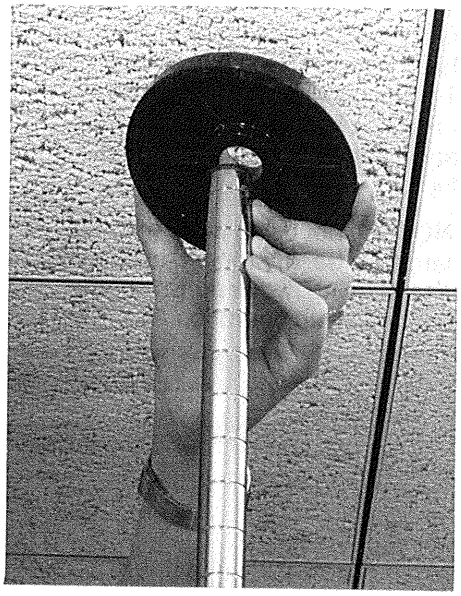


FIG. 1

4. Follow operation #10 from the stationary end unit instructions for the mounting of the upper tie bar brackets.

5. Follow operation #11 from the stationary end unit instructions to join the two units together.

6. Refer to operation #12 from the stationary end unit instructions for mounting of the double bracket bars. Seat as per Note 1 (Fig. 2 and Fig. 3).

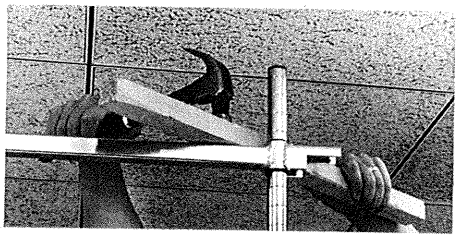


FIG. 2

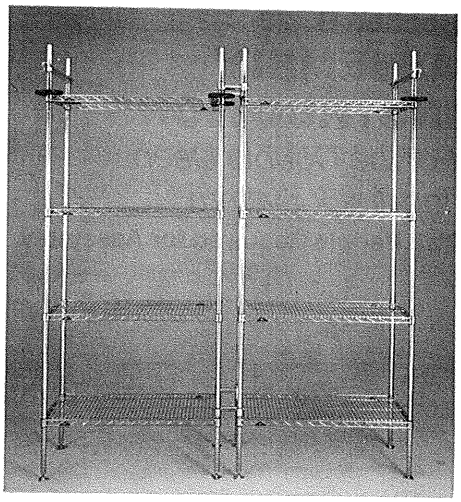


FIG. 3

THIS COMPLETES THE ASSEMBLY OF THE DOUBLE DEEP INTERMEDIATE UNIT.

Double Deep Top-Track Storage System

Section D

ASSEMBLY INSTRUCTIONS

For the Double Deep Top-Track System

Two People Required for Assembly

1. Unpack carton(s) to confirm amount and identity of components.

2. Position the stationary end units in the desired locations with the extended ends of the bracket bars facing inboard toward the mobile units.

3. Align a mobile unit with the end unit. Take a length of track and position it so the rollers are located inside the track. At the same time have the hole in the top of the track positioned over the slot in the extended end of the bracket bar. The mobile unit must support the end of the track not being fixed to the end unit. Insert a hex bolt down through the track and the extended end of the bracket bar. Place a flanged nut onto each bolt. Tighten nut until snug. Repeat this operation for the opposite track section and securely tighten all nuts (Fig. 1 and Fig. 2).

NOTE: If not using more than one length of track, proceed to operation #11. If using two or more lengths, continue with operation #4.

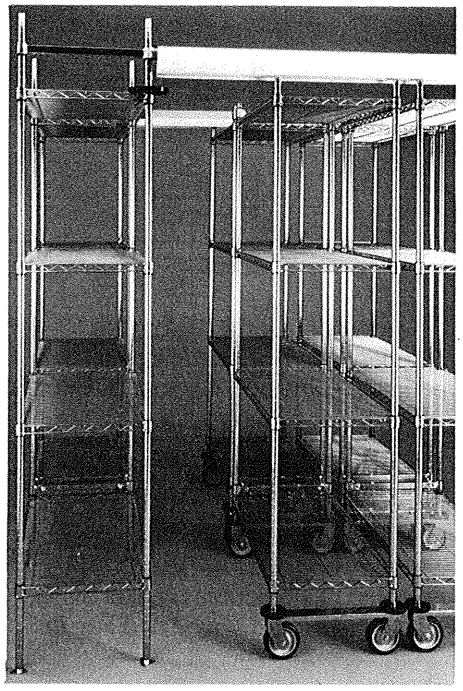


FIG. 1

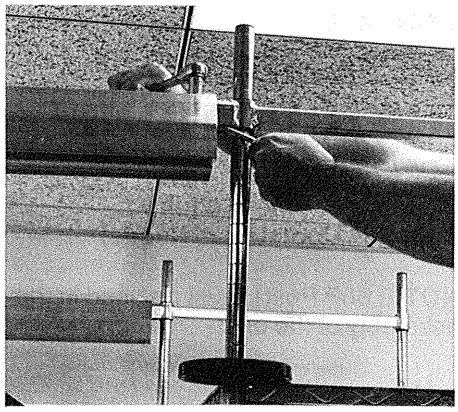


FIG. 2

4. Take four "J" channels and slide two channels into each track end (Fig. 3). Align the holes in the "J" channels over the holes in the end of the track.

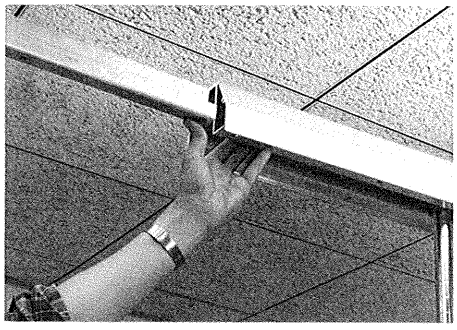


FIG. 3

5. Slide a lockwasher and washer onto a hex bolt and insert the bolt up through the track and engage it into the "J" channel. Repeat this operation for the remaining holes at the end of the tracks. Tighten all bolts securely (Fig. 4).

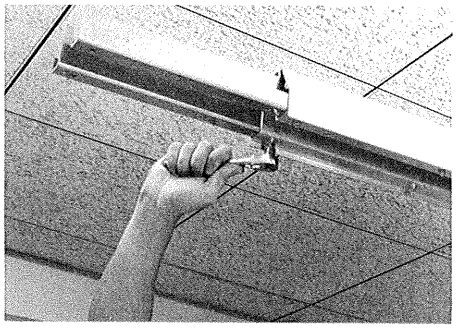


FIG. 4

6. Prior to assembly of additional track lengths, mobile units must be positioned to support the tracks being assembled.

7. Take an additional length of track and slide it over the protruding "J" channels until it contacts the existing track. Fasten the track to the "J" channels per operation #5 (Fig. 5). Repeat this operation for the opposite track section.

NOTE: Attach remaining track sections (if required) per operations #4 thru #7, if the track system does not exceed twenty-one feet. Then proceed to operation #11 for the completion of the top track system. If the track system does exceed twenty-one feet, proceed with operation #8.

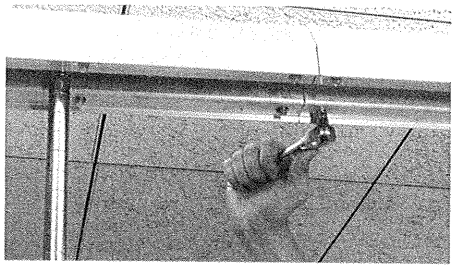


FIG. 5

8. An intermediate unit is to be located in the center of the overall track length. Position all required mobile units into the existing track system, which are to be on the side of the intermediate unit having the track system assembled to it.

9. Position the intermediate unit so the holes in the top of the tracks are positioned over the slot in the extended end of the double bracket bars. Insert a hex bolt down through each track and the extended end of the double bracket bars. Place a flanged nut onto each bolt. Tighten all nuts securely (Fig. 6).

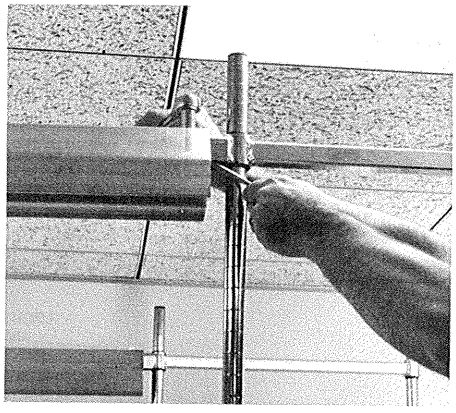


FIG. 6

10. Repeat operations #3 thru #7 for the remaining track and mobile units to be assembled to the opposite side of the intermediate unit (Fig. 7).



FIG. 7

11. Take the remaining end unit and position it so the hole at the top of the track is positioned over the slot in the extended ends of the end bracket bars. Insert a hex bolt down through each track and the extended end of the end bracket bars. Place a flanged nut onto each bolt. Tighten all nuts securely (Fig. 8 and Fig. 9).

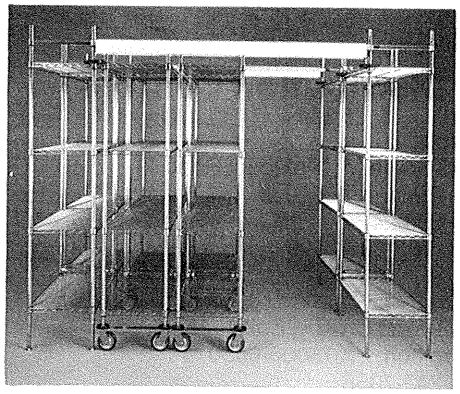


FIG. 8

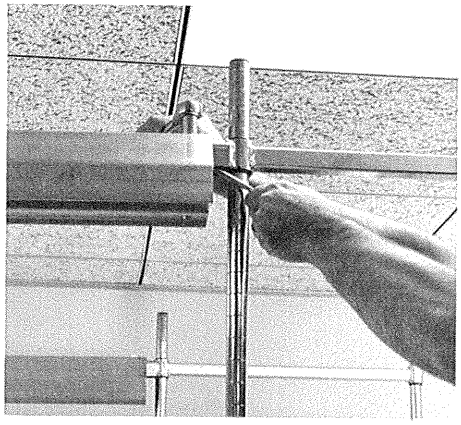


FIG. 9

12. At the ends of each complete track section, insert a hole plug into each of the open holes (Fig. 10).

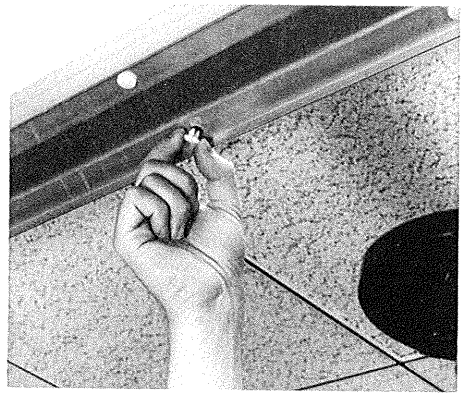


FIG. 10

13. At the open ends of each track section, position an end cap so the legs of the cap straddle the extended ends of the bracket bars, and also align the holes in the cap with the holes in the track. Use the self-tapping screws to fasten the end caps to the track (Fig. 11).

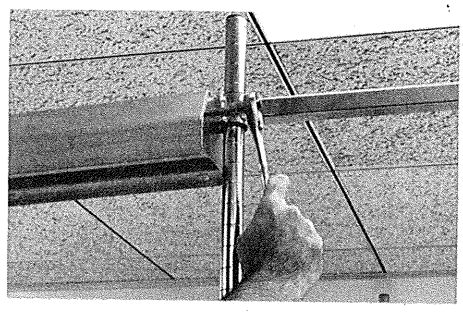


FIG. 11

THIS COMPLETES THE ASSEMBLY OF THE DOUBLE DEEP TOP-TRACK SYSTEM.

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