

STATIONARY GANTRY CRANE S-200

DISASSEMBLY PROCEDURE:

Skilled workers qualified in rigging, fall protection and signaling and a minimum 70 ton crane with man basket and rigging, 6,000 lb. capacity forklift and hard wood support blocking is required to accomplish the disassembly and effectively and safely.

REMOVING THE BLOCK ASSEMBLY:

Engage hoist and raise lower traveling block to within 5 ft. of upper stationary block.

- Using a crane connect rigging (4 leg bridle hitch in choke and tag line) to upper block Frame.
- Apply a wire rope clip with saddle rope at upper block to secure block from travelling while lifting and maneuvering.
- Remove bolts and nuts securing the saddle to the Span Truss.
- Remove the wire rope retainers on the wire rope guide sheave at the Hoist end of the Span Truss.
- Slowly lift the upper frame with blocks until clear over Span Truss. Swing frame and blocks toward the hoist end of the gantry and ensure hoist line is free of guide sheave. Lower frame and blocks to ground alongside the hoist.
 - CAUTION: Do not forget that the load line is still connected from the blocks to the hoist.
- Remove bolts and nuts on two drum hoist from lower support frame.
- Connect rigging to hoist, lift and remove the hoist from hoist base and set alongside frame and blocks.
 - CAUTION: Do not forget that the load line is still connected from the hoist to the blocks.

REMOVING THE SPAN TRUSS:

- Connect rigging (4 leg bridle hitch in choke and tag lines) to the span truss.
- Remove bolts and nuts securing the span truss to each side frame.
Slowly lift the span truss until clear of side frames. Rotate span truss 90 degrees and lower to the ground between side framers.

REMOVING THE UPPER SIDE FRAMES:

- Connect rigging (2 leg bridle hitch in choke and tag lines) to upper side frame box girder.
- Remove bolts and nuts securing upper side frame assembly to lower side frame assembly.
- Slowly lift upper side frame assembly until clear over the lower side frame assembly.
 - CAUTION: Side frame assembly is an eccentric load. Side frame when lifted will tilt toward the back leg columns and raise at the vertical column connection first. Be prepared to swing toward the back leg columns and maintain back leg contact until the load is freely suspended.

DISASSEMBLY PROCEDURE: Continued

REMOVING THE UPPER SIDE FRAMES:

- Swing the side frame to an open and clear area adjacent the existing lower side frame. Lower the side frame (reverse of raising side frame) until the back leg columns touch ground then lower and swing until the front vertical columns touch.

LAYING THE UPPER SIDE FRAMES OVER:

- Crane with rigging still connected to upper box girder.
- Using a fork lift, lift on a back leg column to tip the upper side frame forward toward the vertical column side. Crane to swing and lower following the load until the load over centers and the crane has the load. Swing and lower the side frame until vertical columns are horizontal on the ground.
 - Repeat the removing and laying over procedure for the other gantry side frame assembly .

DISASSEMBLING UPPER AND LOWER SIDE FRAME SECTIONS:

UPPER SIDEFAME:

- Connect rigging (Balanced Single leg choke with tag line) at the center of back leg column.
- Remove bolts and nuts at all connection points.
- Lift and lower back leg column to ground.
- Connect rigging (Balanced Single leg choke with tag line) at the center of back leg diagonal brace.
- Remove bolts and nuts at each end.
- Lift and set to ground.
- Connect rigging (Single leg choke with tag line) to horizontal I Beam support.
- Remove bolts and nuts.
- Lift and set to ground.
 - Repeat procedure on second shorter horizontal I Beam support.
- Disassembling the Box Girder beam, X bracing legs and horizontal I Beam support can be done using the fork lift and man power.
- Remove bolts and nuts and remove each piece one at a time.
 - Follow the same procedure to disassemble the other Upper side frame and back leg assembly.

DISASSEMBLY PROCEDURE: Continued

LOWER SIDEFAME:

- Connect rigging to horizontal I Beam between the lower vertical columns.
- Using a fork lift, lift on a back leg column to tip the lower side frame forward toward the vertical column side. Crane to swing and lower following the load until the load over centers and the crane has the load. Swing and lower the lower side frame until vertical columns are horizontal on the ground.
- Connect rigging (Balanced Single leg choke with tag line) at the center of back leg column.
- Remove bolts and nuts at all connection points.
- Lift and lower back leg column to ground.
- Connect rigging (Balanced Single leg choke with tag line) at the center of back leg diagonal brace.
- Remove bolts and nuts at each end.
- Lift and set to ground.
- Connect rigging (Single leg choke with tag line) to horizontal I Beam support.
- Remove bolts and nuts.
- Lift and set to ground.
 - Follow the same procedure to disassemble the other Lower side frame and back leg assembly.