



ALLAN HERSHELL

CHANCE
MANUFACTURING CO., INC.

MFG: CHANCE
Ride: KIDDIE TANK RIDE

Number:

Date:

34
12-7-72

Superceeds:

Number:

Date:

Service Information

Ride:

KIDDIE TANK RIDE - MODEL "C"

Subject:

ERECTION AND CARE

REFERENCES: KTC-100 Assembly Drawing
KT-100-P Parts Number Drawing
KT-101 Foundation Drawing

ERECTION & CARE OF KIDDIE TANK RIDE- MODEL "C"

Refer to print number (KTC-100) for general arrangement of parts and to (KT-100-P) for part number identification and lubrication instructions.

Select a spot that is reasonably level, especially for the center of the ride.

Place the circular centerpole (KA-149) into position. This base is marked to show the position of the #1 jackstand (the jackstand to which switch box attaches for operating the ride) which should be located for the convenience of the operator.

Fasten the centerpole assembly (KB-118) securely to the centerpole base assembly (K-149) by means of the four studs. Position these assemblies so that their markings match.

Place the drive unit into position and bolt it down tightly after pinion (KA-147) is properly meshed with ring gear. Check the "V" belts on the drive for proper tension. These have been set correctly at the factory, but when new, adjustment should be made frequently until the initial stretch has been taken up. These are not to be too tight and need very little attention during the season. Caution: Any adjustment of the belt drive should be done with the motor. Do not change the position of the gear reducer.

Place the ring gear (KA-153) on top of the 6" dia. fiber collar of the centerpole assembly (KB-118).

Level the base (KA-149) and plumb the centerpole (KA-154) using shims under the circular base (KA-149) if necessary. On park rides, four 7/8" dia. holes are provided in the base ring (KA-149) which can be used for bolting down after leveling. Use expansion bolts if ride is mounted on a concrete slab (KT-101).

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adjusting base (KA-160) into position. Continue with the balance of the jackstands and uprights.

All jackstands must be leveled radially as they are placed. Then level also from one jackstand to the other beginning from #1, using the level on the straight edge furnished with the ride.

Place platform sections beginning with platform from #2 to #3 jackstand continuing around the ride to jackstand #10, then place both platforms between #1 and #10 and #1 and #2 jackstands, raising both platform ends together above jackstand #1. When matched at this point then lower both together to rest on #1 jackstand and use the adjustable clamp to hold them down.

The cornice sections are numbered according to the upright pipes to which they attach and must be put on in order of their numbers. Attach the head shields. The spot light brackets are also marked to suit the uprights. These must also be placed in their proper order. Then plug in all plugs to complete the circuit.

Attach the switch box to #1 upright and make up the lead connections and connect. Twist lock connectors complete are furnished for these connections.

Spread tent top over the centerpole. Place the tent pole on top of the centerpole and raise the tent about half way. When in this position hook the outside edge of the tent in the loops provided on the inside of the cornice, then raise the tent to its proper height.

Place 8 sweep arms (KT-114) between angles on sweep plate (KT-110) and fasten with the six 1/2" x 3" long hex hd. capscrews and locknuts. Be careful not to injure the electric cord inside the pipe. Assemble 7 tie rods (KT-135) and 1 adjustable tie rod between sweep arms (KT-114) with the 1/2" rivets and safety springs. Use adjustable tie rod to remove looseness between sweep arms.

Fasten 8 Tank cars (KT-113) to sweep arms with 1/2" x 3" long hex hd. capscrews and locknuts.

Connect 16 make twist lock jumper cords from Tank cars to sweep arms and from sweep arms to rotating head.

Attach sweep canvas with springs to the projecting eyes on the sweep arms.

CAUTION: The wiring on this ride has been arranged for a separate connection to the lights from that of the drive motor. The ride is designed to run on 60-cycle, 220 volt current (or 110 volt). Satisfactory results might not be obtained on lines having a considerable drop in voltage, especially when operating on a 110 volt line, and to insure proper operation, voltage of 105 to 115 must be maintained.

Motor connections are for 220 volts when ride leaves factory. If 110 volt current must be used, motor connections must be changed to suit.

Wiring diagram on motor name plate.

BUZZERS FOR GUN OPERATION:

If gun buzzers burn out, replace with buzzer of same voltage and cycle.

Standard buzzer equipment on ride is: 24 V, 60 cycle - connected 24 volts at transformer for 60-cycle operation.

24 V., 60-cycle - connected 16 volts at transformer for 25-cycle operation.

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