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MFG: WISDOM

NAME: DELUXE SIZZLER

Type: Non-Kiddie

DELUXE SIZZLER

WISDOM INDUSTRIES, Ltd.

P.O. Box 5000

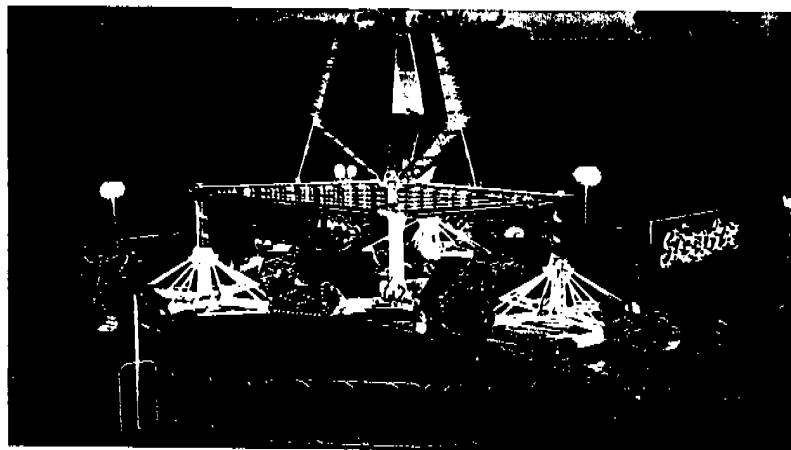
Sterling, CO 80751

(970) 522-7515

(800) 634-6097

Wisdom

DELUXE SIZZLER



DELUXE SIZZLER

DESCRIPTION:

Spectacular styling and American workmanship have been combined to give you the best ride attraction with DELUXE SIZZLER. It's a combination of dashing good looks and rugged, durable construction.

The DELUXE SIZZLER sparkles with over 1,000 dazzling lights on the sweeps and cars making it one of the brightest attractions on the midway. Six 1,500 watt quartz lights make this ride jump out at night.

The DELUXE SIZZLER's improvements have made it one of the most profitable, easy to move rides. The 28' trailer is decked out with aluminum diamond plate for appearance and low maintenance. An oil cooler has been added to extend the life of the hydraulic components. Aluminum fence is standard. The fiberglass seats are modern and stylish. Running lights on each car will catch every fun enthusiast's eye.

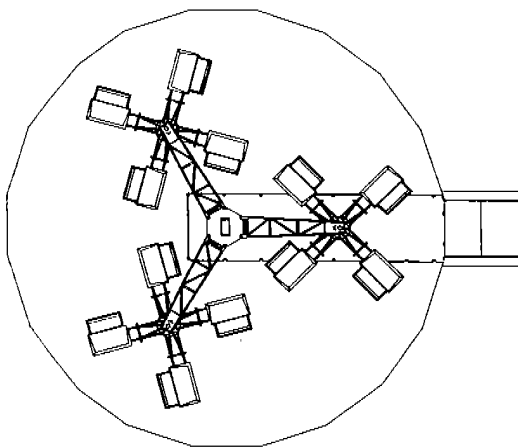
The entire ride is driven by one 20HP, three phase motor. One hydraulic motor drives a geared slew ring bearing on the center and three hydraulic motors power the tires on friction-drive spindles. This simplifies the hydraulic system and makes operation and repair much easier. The drive accelerates and stops quickly, increasing capacity per hour.

The DELUXE SIZZLER is a spectacular looking ride built the rugged, easy-to-move Wisdom way!

SPECIFICATIONS:

DIMENSIONS		POWER REQUIREMENTS		CAPACITY	
Ride	55' deep x 55' wide x 18' tall Sets up in 1 hour with 2 men	Drive Unit	20 HP 3 Phase 208-220V	Seating	12 Seats; 2 Adults or 3 Children
Trailer	28' long x 8'6" wide x 13' tall 30,000 pounds gross weight Single Axle Air Ride	Electrical	30 KW Total 10 KW Lighting	Hourly	800 Passengers @ 11 RPM

SET UP CONFIGURATION:



WISDOM INDUSTRIES, LTD.

PO Box 5000 Sterling, Colorado 80751
(303) 522-7515 Fax (303) 522-2902 Customer Service Hot Line 1-800-634-6097

Family Entertainment Centers • Parks • Carnivals • Malls

DELUXE SIZZLER

INTRODUCTION

This "Operation Manual" has been written for the benefit of the ride operator and owner. WMI Industries, Ltd. advises all ride operators and owners to read this book before operation.

INTENDED USE

The equipment herein described is intended to be used by a commercial operator to provide a service to the buyer's customers. As a commercial operator, the buyer agrees to operate and maintain the equipment for its intended use in a professional and competent manner as per WMI recommendations and instructions, industry and governmental standards, and good commercial practices, using professional and competent mechanics and operators. If at any time, and for any reason the equipment cannot be adequately and safely operated for its intended use, the buyer agrees not to operate the equipment until proper repairs or corrections are made.

The DELUXE SIZZLER is designed to be a teen-age adult thrill ride. It is not recommended that small children, 11 or younger ride by themselves. They must be accompanied by a responsible adult.

DELUXE SIZZLER

SPECIFICATIONS

CAPACITY..... 600/Hr.
LOADING..... 2 adults or 1 adult and 2 children per car
TOTAL CAPACITY..... 24 adults or 36 children
MAX WEIGHT PER CAR..... 350 lbs.
TOTAL PASSENGER WEIGHT..... 4200 lbs.

ROTATION-CENTER POLE..... 11RPM clockwise
..... SPINDLES-3 times main center pole speed counter clockwise
RIDE DURATION..... 1:30 minutes
..... 3 minute cycle time

SET UP AREA..... 50' circle minimum

WEIGHT EMPTY-SET UP..... 25,500 lbs.
WEIGHT LOADED..... 30,200 lbs.

MOTOR POWER..... 1-15HP 3 PHASE DRIVE MOTOR
ELECTRICAL..... MOTOR 10 KW 208 VOLT 3 PHASE
..... LIGHTS 20 KW 208 VOLT 3 PHASE
MAX. VOLTS..... 240
MIN. VOLTS..... 200
LIGHTING..... 6-1500 WATT QUARTZ LIGHTS
..... 1190-10 WATT INCANDESCENT BULBS
..... 675-3 WATT INCANDESCENT BULBS

BALANCING OF LOAD RECOMMENDED
MAX. OUT OF BALANCE..... 820 lbs.

MAX. WIND SPEED FOR OPERATION..... 60 M.P.H.

MIN. PASSENGER HEIGHT TO RIDE..... 42"
HEIGHT PASSENGER MAY RIDE IF WITH AN ADULT.... 42"-52"
REQUIRED PASSENGER HEIGHT TO RIDE ALONE..... 52"
HEAVY PASSENGER TO SIT TO OUTSIDE

TRAILER SIZE..... 13'6" height, 8'6" wide, 28'6" long, loaded
TRAILER WEIGHT LOADED..... 26,000 lbs.

SETTING UP THE DELUXE SIZZLER

Step 1: Pull trailer onto location. See layout drawing.

NOTE: The ride requires a 50' diameter circle. Allow 25' from the center pole to any object when locating the center of the ride.

NOTE: The entrance to the Sizzler is normally next to the front of the trailer but can be located at any point around the circumference of the ride as long as the gates are controlled to prevent patrons from entering the ride while it is operating.

Step 2: Pin trailer pivot stands to the two holes that are located approximately at the center of the trailer. One on each side. Photo 1.

Step 3: Hook up the 12 volt lines from the trailer to the battery on the tractor.

Step 4: Place 1/2" plate under the foot of the hoist.

Step 5: Pull the 2 side trailer axle pins.

Step 6: Disconnect the two air lines from under the trailer at the front of the axle assembly.

Step 7: Pull out the tongue from the rear of the axle assembly and pin in place.

Step 8: Start the twelve volt pump and lower the hydraulic hoist to the ground.

Step 9: After the hoist has reached the ground, lift some weight off of the fifth-wheel, disconnect the air lines to the trailer, the trailer light plug and disconnect fifth wheel pin connection.

****DANGER****

Never get under the trailer after the truck is disconnected. The hoist may fail and cause the trailer to fall, crushing anyone under the trailer.

Step 10: Drive tractor out from under the trailer far enough that the back of the tractor is at least 3' from the front of the trailer. Photo 2.

Step 11: Leave the 12 volt pump running and slowly lower the nose of the trailer to the ground. Photo 3.

NOTE: Lower the nose slowly to the ground or the oil in the tank will overflow.

Step 12: Apply air to the emergency glad hand on the axle assembly.

Step 13: Open the ball valve on the glad hand.

Step 14: The brakes should release.

Step 15: Close ball valve.

Step 16: Disconnect air line from tractor.

Step 17: Pull the axle out from under the trailer. Photo 5.

Step 18: Place the axle at least thirty feet away from the ride.

Step 19: Place 2-2X4 blocks at the rear of the trailer to allow the ride to slide forward and back slightly as it is lowered.

Step 20: Raise the trailer nose with the hoist until the pivot legs are off the ground. Photo 8.

Step 21: Unpin the two pivot legs and move them clear of the trailer.

Step 22: Lower the trailer to the ground. Photo 9.

NOTE: After the trailer is lowered to the ground, some blocking may be required to stabilize the trailer. It is not necessary to make the trailer level. It can follow the lay of the land as long as there is no area that the sweeps or seats will hit the ground while the ride is running.

Step 23: Disconnect the 12 volt lines from the tractor and pull the tractor out of the way.

Step 24: Unload the fence, quartz light stands, quartz lights, and gates and place around the ride.

NOTE: The fence feet are loaded in the possum belly box next to the 12 volt electric cords at the front of the trailer.

Step 25: Remove fence rack & place with axle.

Step 26: Remove quartz light cable wraps from the spindles.

Step 27: Plug in quartz lights.

NOTE: Do not place quartz light so they will shine in operator's eyes during operation.

Step 28: Stand up the 3 top lights and pin in place. Photo 20.

Step 29: Remove 2 upper sweep traveling turnbuckles. Photo 10.

Step 30: Remove the 2 lower traveling turnbuckles.

NOTE: The 2 lower ones are located in front and behind the spindles centered on the traveling spreader assemblies.

Step 31: Remove the chain binder that goes over the lower spindles and holds the sweep assembly in place on the trailer when traveling down the road.

Step 32: Place a hydraulic jack behind the drop in the gooseneck and jack up one outside sweep on the flat part of the spindle plate. Photo 11.

NOTE: Do not jack on edge of the spindle drive rim.

Step 33: Raise the sweep up until the sweep stand can be removed.

Step 34: Slowly lower the jack until it can be removed. Photo 12.

Step 35: Repeat this procedure for the other outside sweep.

NOTE: Leave the center sweep stand in until the ride is assembled.

Step 36: Swing out the 2 outside sweeps. Photo 13.

****DANGER****

Be careful that any electrical lines or hydraulic hoses do not become pinched as the sweeps are swung out.

Step 37: Place 2 pins in each lower sweep ear at the center. 4 lower pins total.

NOTE: The lower pins have a threaded hole in the end to facilitate removing this pin when tearing the ride down. It is helpful to apply a light coat of grease at this time to the pin.

Step 38: Install one double step pin in the lower ear of the upper sweep.

NOTE: You may not be able to drive the pin in fully at this point. Tap it in as far as it will go and stop.

Step 39: Place a hydraulic jack at the end of the sweep on each of the 2 pivoting sweeps and jack them up equally until the top pin can be installed.

Step 40: At this time, the lower upper pin can be tapped fully into place.

Step 41: Remove spindle spreader assemblies.

Step 42: Hook the spindle seat lifting bracket on the top sweep. The side pins straddle the notch in the end of the sweep and the end goes under the bearing.

Step 43: Hook the chain fall to the bracket and the cabbage head.

Step 44: Raise the seats just enough to lift them out of the pockets.

NOTE: The seats may have settled into the pockets and will need to be barred up slightly to break them loose.

Step 45: Turn the lower 2 seats until they are 90 degrees to the seats that are held up by the chain fall. Photo 17.

Step 46: Lower the seats into position until they drop fully into the pocket. Photo 18.

Step 47: Disconnect the chain fall and repeat for the other 2 spindles.

Step 48: Install 4 turnbuckles on each spindle from seat sweep to seat sweep

Step 49: Pin and R-clip each end of each turnbuckle.

- Step 50: Snug up the turnbuckles and lock the jam nut.
NOTE: Do not overtighten the turnbuckles.
- Step 51: Plug in the cord from the each seat to the spindle.
- Step 52: Remove the stand from the center sweep in the same manner as previously done with the two side sweeps.
- Step 53: Swing out the side sign letter sections and pin in place.
- Step 54: Stand up the sign and pin and R-clip in place.
- Step 55: Remove the 2 diagonal sign traveling braces and store underneath the trailer.
- Step 56: Fold open the seat foot tubs and lap bars. **NOTE:** Make sure the lap bar will lay flat on the top of the foot tub.
- Step 57: Make sure there are no objects in the area around the ride where someone may trip or the ride would hit during operation.
- Step 58: Perform the "Seat Lock Inspection".
- Step 59: Perform the "Post Assembly Inspection".
- Step 60: Perform the "Daily Checklist Inspection".
- Step 61: Operate the ride through several complete cycles.
- Step 62: Review the "Operating Procedure List".
- Step 63: Open the ride to the public.

TEAR DOWN PROCEDURE

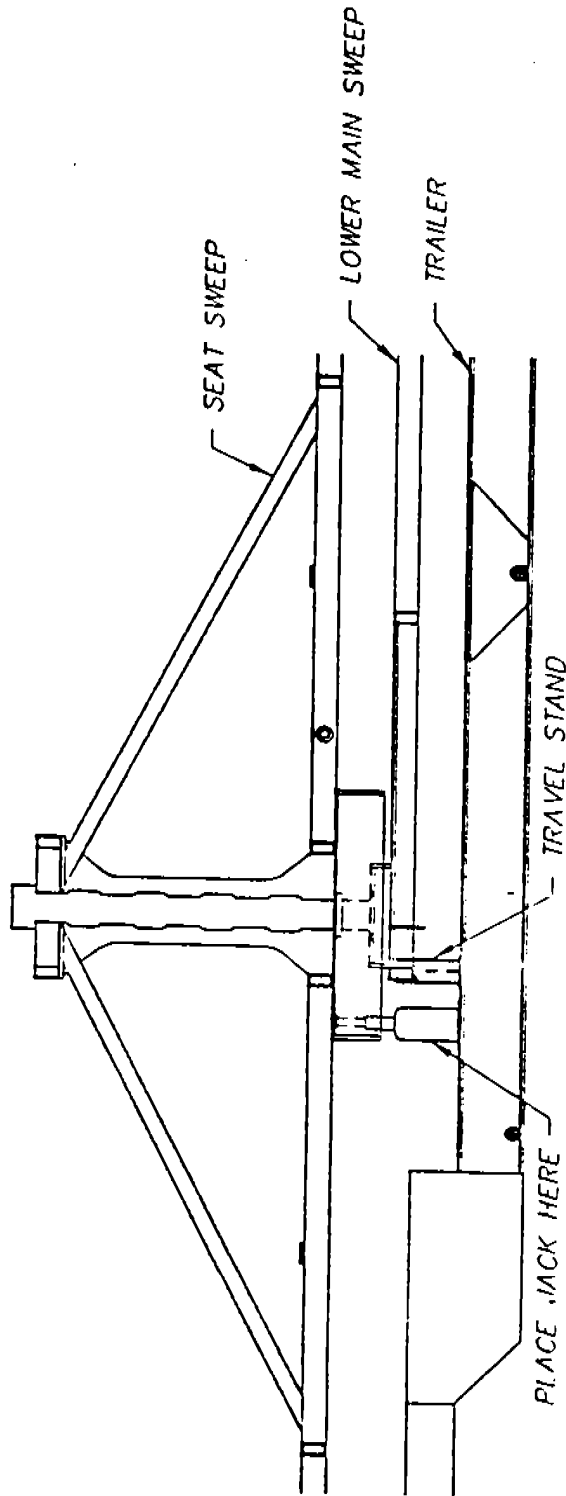
Follow the previous set up instructions in reverse order.

****DANGER****

Never get under the trailer unless the nose of the trailer is all the way to the ground. (axle under the rear and pivot stands out from the center of trailer) or if the tractor is completely connected to the trailer.

Make sure the load chain is holding down the sweep package to the trailer before moving the trailer. The chain or belt goes over the front of the spindles and down to each side of the trailer.

To remove lower pins, screw pin pull rod into top of lower pin. Tap up on the ear welded to the side of the rod until pin comes out.



Proper technique for jacking the sweeps on the SIZZLER to install or remove the traveling stands under the spindles:

Place the jack in front of the lower sweep so that when the jack is raised the end of the jack will push against the horizontal plate on the spindle. **Do not** jack on the edge of the drum as it is very unstable right there. When you raise the spindle there will still be room to take out the stand.

WISDOM INDUSTRIES Merino, CO 80741

SCALE: N.T.S.	APPROVED BY:	DRAWN BY: MFK
DATE: 03-28-96		REVISED

DESCRIPTION

JACK PLACEMENT

EQUIPMENT:

SIZZLER

DRAWING NUMBER

JS-02

DELUXE SIZZLER POST SET UP INSPECTION

1. Check adjustment of spindle drive wheels.
2. Check tightness of all main bearing bolts.
3. Check operation of all seat locks including solenoid release.
4. Check interior of all cars for sharp edges or loose material.
5. Check that seatlock brass is tight.
6. Lubricate ride as per Lubrication Schedule.

DANGER: Make sure main power is shut off before checking ride electrical connections.

7. Check all electrical connections for tightness and routing to prevent interference with any moving parts.
8. Check ride area for trip hazards.
9. Check air pressure in drive tires: 35 PSI.
10. Check fiberglass body attachment bolts for tightness or missing bolts.
11. Check operation of all controls.
12. Check clearance of all obstacles within reach of moving cars, must have a minimum of 36".
13. Operate ride thoroughly before allowing passengers to ride.
Check for smooth start and stop, unusual noises, oil leaks, chattering, or roughness.
14. Practice passenger loading and unloading procedures.
15. Check gates, fence, and latches for clearances and proper operation.
16. Visually inspect welds on sweeps, car frames, spindles, and main center pole.
17. Insure that all operators have been trained and have read this manual.
18. Insure that person responsible for maintenance has received a copy of this manual and has read it.

DELUXE SIZZLER DAILY CHECK LIST

1. Check for loose or missing bolts or nuts.
2. Check seat locks for proper operation.
3. Check seat lock pins for smooth operation and do not stick.
4. Check seat locks for cracks or excessive wear.
5. Check seat lock brass for excessive wear.
6. Check spindle shaft end nuts are snug and locking bolts are tight.
7. Check that seat turnbuckles are snug & jam nut is tight.
8. Lubrication schedule has been completed.
9. Check center for cracks.
10. Check drive tires.
11. Check foot tub hinge bolts are secure.
12. Check foot tub hinge plates for excessive wear.
13. Check that each seat body is not loose on the sweep.

DELUXE SIZZLER

LAP BAR & SEAT LOCK INSPECTION PROCEDURE

1. Raise lap bar.
2. Check lap bar hinge bolts and ear for wear.
3. Check lap bar arm for cracks.
4. Check that seat lock brass is tight.
5. Open lap bar.
6. Push seat lock pin. It must snap back out and not drag or catch.
7. Close lap bar. Seat lock pin must snap into the notch in the brass.
3/8" minimum engagement of pin in brass.
8. Activate electric unlocking system.
NOTE: All seat locks should release.
9. Turn off electric unlocking system.
NOTE: The timer will shut off the solenoids after about 15 seconds.
10. Go around seat to inside and pull on the lap bar sideways and out to try to pop seat lock pin out of the brass.
11. If bar comes open, tie off that car until repairs are made. Replace any components needed if the bar will come open.
12. Repeat for each seat.

****WARNING****

Never install a bolt or knob to manually unlock the lapbar. Passengers have been known to open the bar while the ride is running and come out of the seat.

****DANGER****

Each seat lock pin is custom drilled for each car and lap bar. Make sure the same pin goes back to the same bar on the same car.

LAP BAR LUBRICATION

Weekly

Oil all hinge bolts.
Oil seat lock pin

Monthly

Remove pin.
Clean pin and pipe.
Oil pin and reassemble.
Make sure pin moves smoothly in and out.
Perform above inspection before operating ride.

VISUAL INSPECTIONS FOR DELUXE SIZZLER

- A. On the small outside spindles, where the seat sweeps cross, check the channels for cracks. If found call the factory for instructions to repair.
- B. Check the donut around the small spindle shaft for cracks where the ears are welded to the donut. This ear has two seat sweep pipes bolted to it. If cracked, call for instructions.
- C. Check the top sweeps of the ride for cracks near the center pole. These cracks are made once in a while by the way the top sweeps are folded for travel. If they are in a bind when folded, and are forced into place by tightening the turnbuckles, they can crack. When the ride is opened and the sweeps pinned into place they are safe in operation, but the cracks should be repaired as soon as possible.
- D. There should be a turnbuckle between the movable seat sweeps, running from the bottom bolt to the other bottom bolt on both sides of the spindle. If you do not have these turnbuckles, order them now. They will take any side slop out of the movable seat sweeps.
- E. The bottom sweeps that pin into the main center pole should be checked for wear. This wear can be noticed by a thumping sound as the ride rotates. If found the holes should be reamed to 1 5/16 and repinned.

DELUXE SIZZLER LUBRICATION SCHEDULE

CENTER POLE

Main Center Bearing

2 shots of grease per grease zerk weekly

Main Drive Gear Teeth

Spray Open Gear Lubricant daily

Hydraulic Oil

Check daily, repair leaks as needed, fill with Mobil DTE24 summer grade hydraulic oil or equivalent

SPINDLES

Top & Bottom Spindle bearings

1 shot grease each bearing monthly

Spindle Shaft

Lightly grease to prevent rusting

Chain Fall

Follow manufacturer's recommendations

SEATS

Seat Foot Tub and Lap Bar Hinge Bolts

Light machine oil weekly

Seat Lock Pin

Light machine oil weekly, remove and clean on monthly basis

CENTER POLE

Upper Sweep Hinge Bolts

Light machine oil prior to tear down, 6 bolts

Removable Sweep Pins

Grease prior to installaton-thin film, 6 pins

Stand Up Light Hinge Pipes and Shaft

Light machine or penetrating oil weekly

HYDRAULIC HOIST

Hoist Pivot Joints

Grease prior to setting up the ride. See drawing.

****DANGER****

Keep tractor connected to trailer while greasing the hoist. If a hydraulic hose should fail and you are under the trailer, it will come down and crush you causing serious injury or death.

Hoist Main Upper Pivot Shaft

Grease each time the ride is set up

Hoist Linkage Arms

Grease each time the ride is set up, 1 zerk each end

Hydraulic Cylinder Pivot

Grease each time the ride is set up. 1 zerk on each end of each cylinder.

Main Hoist Strap Link Arms

Machine oil each time the ride is set up

Hoist Roller

Grease each time the ride is set up

Hoist Hydraulic Pump

Check oil level before set up. Fill with ATF fluid. Fill tank with hoist raised.

Hydraulic Jack

Check the level of oil if the jack fails to lift the sweep high enough. Fill with the recommended by the manufacturer, normally automatic transmission fluid

DELUXE SIZZLER EMERGENCY PROCEDURES

PROBLEM:

Unusual noises.

Ride will not stop.

ACTION:

Stop ride (release rotation button).

Release rotation button.

Push red stop button.

Turn off key.

Turn off main electrical-disconnect
at the side of the main
electrical box.

Ride will coast to stop in
approximately 1 1/2-3
rotations.

Procedure explained.

Let go off rotation button:

Large red palm button:

Turn off key:

Turn off main electrical
disconnect:

This will turn off hydraulic solenoid.

Cuts off power to electric motor contactor coil.

Cuts off power to electric motor contactor coil.

Shuts off power to ride.

ATTENTION:

The ride will stop the fastest when the pump is running. Do not push red button unless there is an electrical emergency such as the ride will not stop at all or hydraulic oil spraying on ride.

DELUXE SIZZLER

OPERATION INSTRUCTIONS

1. Turn on power to the hydraulic pump.
2. Be sure all the lap bars are open and laying flat on the foot tub so the customers can enter the seats easily.
3. Allow the passengers to enter the ride.

****WARNING****

If anyone is carrying objects (purses, stuffed animals, foot, etc.) they must not take them on the ride. They could fly out and hit someone.

4. If necessary, help customers into seats and be sure the HEAVY, or LARGE PERSON IS TO THE RIGHT SIDE OR THE OUTSIDE OF THE SEAT. Due to the centrifugal force of the ride the passenger is pushed to the outside of the seat. Have them change position before starting the ride if necessary.

PROHIBITED PASSENGERS - Operators should not allow a passenger on the ride who cannot be properly secured due to his size or if there is a malfunction to the securing device. Similarly, they must refuse service to a pregnant woman; or a passenger who is visibly ill, or under the influence of alcohol or drugs.

5. Instruct passengers to remain seated during the ride. To not throw items or try to change positions. Instruct passengers to use caution exiting the seat.
6. Check all lap bars to see that they are latched properly. If a lap bar latch does not work properly, tie off that seat and do not use that seat until it is repaired.
7. Move seat lock switch to the ride operate position.
8. Be sure the area inside the fence is clear of passengers, assistants, or any item that may be hit by the seats as the ride rotates.
9. Check that gates are closed.
10. Push the ride start button.

11. As the ride gets up to speed, continually WATCH THE PASSENGERS. If any of them try to stand up, change positions with another passenger or start crying, STOP the ride immediately and take them off the ride.

NOTE:

A good indicator of proper length of a ride is when the passenger stops smiling, they have had enough of it and are not enjoying the ride. Any more of a ride will cause them to not want to ride again.

12. The ride operate switch is designed to be held by the operator at all times during the ride. When the operator takes his finger off of the button the ride will stop. DO NOT BYPASS OR IN OTHER WAYS DEFEAT THIS MECHANISM. IT IS FOR YOUR SAFETY AS WELL AS YOUR PASSENGERS.
13. Stop the ride. Release the ride operate button.
14. After the ride has stopped, turn on the seat unlock switch. This will unlock the seats and allow the customer to push the handle bar down and exit from the seat. HELP ANY PASSENGER THAT IS HAVING TROUBLE EXITING THE SEAT.
15. Turn off the seat lock switch.
16. Leave pump running between loads.
17. Start loading your next load of passengers.

THE PROCEDURES OF THE DELUXE SIZZLER EXPLAINED

SEE OPERATION INSTRUCTIONS FOR STEP BY STEP OPERATING INSTRUCTIONS.

The Sizzler has been designed for portability, customer attractiveness, and ease of operation. We have attempted to design a piece of equipment that can be operated with a Carnival or in an Amusement Park. One major asset of the Sizzler is it's futuristic style seats, beautiful lighting and it's extreme portability. After setting up the Sizzler, a few things should be checked. First, that all the movable sweeps are plugged in, and that the seat locks are operating properly on each tub. If the seat lock pin does not stick in approximately 3/8 inch into the brass seat iron, the pin should be removed and the allen set screw hole re-drilled to allow plenty of penetration into the seat iron slot. **See "Lap Bar Lock Inspection Procedure".

Check with each seat lock pin to make sure that it moves in and out freely. If it should be gummed up, use light machine oil WD-40 or a silicone lubricant to clean and lubricate the seat lock pin.

The Sizzler is equipped with a pneumatic time relay for the seat locks. This relay is set for 15 seconds on, generally this is time enough for everyone to push on their handlebar and get out of the seat. The reason for the relay is that an operator does not have to remember to shut off the seat locks, it will shut itself off. Only after the switch has been turned off and back on will the seat locks come back on. This prevents accidental leaving the seat locks on during the operation of the ride.

Each time the Sizzler is started with the load, the operator must hand check each handlebar, to make sure that the handlebar is locked securely. Also make sure that the larger person sits towards the outside of the seat. This is important as an adult can hurt a child while the ride is running, due to centrifugal force.

Next check that the hydraulic pump is rotating in the proper direction. Generally if the pump runs unusually quiet, it is rotating in the wrong direction. To reverse the electric motor, switch two (2) power legs to the motor and this will reverse the pump rotation.

****DANGER****

Turn off main power to ride before changing the legs.

Slowly rotate the ride to make sure that all objects clear all of the tubs and sweeps, especially the fence and the axle that has been removed from under the Sizzler trailer.

If during the operation of the Sizzler, one of the tubs strike an object such as the axle or the fence, check and make sure that sweep, where it fastens to the spindle, has not been damaged in any way. Occasionally after striking an object the sweep will not show immediate failure and should be checked periodically for fractures on the welding or structural members of that seat and sweep.

After setting up the ride, make sure that the turnbuckles are adjusted to take out any slack that is apparent. This is very important, especially due to the fact that the structural integrity of the short sweeps can be affected by the constant banging back and forth during operation. Snug the turnbuckles is all the tightening it needs to hold the sweeps in place.

DELUXE SIZZLER CONTROL PANEL DESCRIPTION

PUMP START

Starts hydraulic pump.

PUMP STOP

Turns off hydraulic pump.

EMERGENCY STOP PALM BUTTON

Turns off motor contactor coil
and turns off motor.
Must lift and turn to reset.

PUSH BUTTON

Spring loaded normally open push
button which provides power to
hydraulic valve and is the
deadman for the ride.

RIDE OPERATION SWITCH

Three position switch:

UP/RIDE OPERATE

Energizes hydraulic control valve
circuit.

MIDDLE POSITION

Ride does not run.

DOWN/SEAT UNLOCK

Ride does not run, seat unlocking
solenoids are energized.

QUARTZ LIGHTS

Turns on quartz lights.

DELUXE SIZZLER WARNINGS

1. Balance the ride as much as possible.
2. Place larger passengers to outside of seat.
3. Each time the ride is operated, the operator must hand check each lap bar to make sure that the seat lock pin is fully engaged in the seat iron. If a seat lock pin is sticking, clean and re-lubricate before using that seat again.
4. If a lap bar is not working properly, do not use that seat until the lap bar can be repaired. Tie off the seat. Do not rely on memory as to which seat is closed.
5. Never allow anyone to jump on, off, or stand in the Sizzler seat while the ride is operating.
6. Never play tag with the passengers.
7. Never allow anyone to stand on the trailer or ride while it is operating.
8. Never allow anyone to trade seat positions while the ride is operating.
9. Never allow passengers or bystanders to stand inside the fence while the ride is running.
10. Instruct passengers to remain seated during the ride and keep their hands, feet, and arms inside the seat at all times.
11. Do not allow passengers not to carry loose articles with them while riding the ride.
12. Do not allow passengers to throw items while loading, operation of ride, or unloading ride.
13. Never unlock the seats while the ride is turning.
14. Never allow passengers to run in the loading area.
15. Operators must watch the ride while it is running , if any unusual actions or motions of the passengers is seen, stop the ride. . Do not show off or talk to other people while the ride is running.
16. Never leave ride unattended.

17. The ride is equipped with a spring return push button for the rotation of the ride. The operator must not be allowed to jam this button down, or wire in a toggle switch or change the system that will allow the operator to leave the ride while it is running.
18. Always move the seat lock switch to the OFF position before the ride is started.
19. Be alert for unusual noises while the ride is running. Stop immediately and check before continuing the ride cycle.
20. Instruct passengers to be careful exiting the seats.
21. Never open entrance gate while ride is turning.

The Sizzler has been designed for reliability and safety of both the operator and the customer. As with any ride, the operator must pay strict attention to the customer while the ride is operating.

THIS OPERATION STICKER HAS BEEN PLACED ON ALL SIZZLER CONTROL STANDS. IF THEY ARE NOT ON YOUR CONTROL PANEL, WE WILL SEND ONE AT NO COST TO ANY OWNER THAT REQUESTS ONE. IT MUST BE PLACED NEAR THE CONTROL SWITCH OR HANDLE FOR THE OPERATOR.

CAUTION

BEFORE STARTING RIDE

- 1) Turn off seat locks.
- 2) Check that each handlebar is locked.
- 3) Have heavy person sit to outside of seat.
- 4) All riders must have feet inside foot board.
- 5) Clear inside of fence of spectators.
- 6) Start ride.

**If anyone tries standing up
STOP ride!**

**Do not allow anyone to throw
or catch objects while ride is
operating.**

**If any failure occurs STOP ride
immediately!**

DELUXE SIZZLER INSPECTION & MAINTENANCE RECOMMENDATIONS

DAILY INSPECTION

Perform the inspections listed on the daily check list that is included in the operator manual.

ANNUAL INSPECTION

1. Inspect car body and frame assembly mounting bolts for loose or missing bolts. Four each car. Inspect all bolts for excessive wear and replace as needed. Inspect car frame for cracks.
2. Inspect handlebar assembly for excessive wear and damage. Inspect locking mechanism for pin or hole wear. Replace or repair as needed.
3. Inspect the condition of the fiberglass foot tub for cracking, particularly around the pivot holes. Replace any internal pivot plates that are excessively worn or cracked.
4. Inspect the drive assembly for cracks.
5. Inspect sweep mounting ears for cracks and wear. Should there be excessive hole wear, holes shall be drilled out to accommodate an oversized pin.
6. All welds shall be inspected by a qualified welding inspector. We recommend a A.W.S. Certified Welding Inspector or equivalent. Visual inspection is sufficient unless defects indicate further testing is needed.
7. Main bearing. Excessive wear in the bearing may be checked by moving the sweeps up and down. Excessive play indicates bearing wear.
8. Check all main bearing inner and outer bolts for tightness. Any loose bolts must have Blue Locktight applied and retorqued to 110 ft lbs.
9. Electrical System shall be inspected by a qualified electrician for loose connections, frayed wires, amperage draw-empty and loaded, and all control functions.
10. Ride shall be reassembled and all operations shall be checked both empty and loaded before returning to operation.

Any problems or defects that are found should be reported to the factory, Wisdom Industries, LTD., P.O. Box 5000, Sterling, Co. 80751, Phone: 970-522-7515.

SEAT INSPECTION CHECKLIST

SEAT LOCK BRASS

CHECK FOR WEAR AND LOOSENESS.

CHECK SEAT LOCK PIN FOR $\frac{3}{8}$ " - $\frac{1}{2}$ " ENGAGEMENT IN BRASS.

LIGHT OIL SEAT LOCK PIN WEEKLY.

CHECK THAT SEAT LOCK PIN

DOES NOT STICK AND

MOVES SMOOTHLY.

CHECK SEAT LOCK PIN

SET SCREW IS

INSTALLED $\frac{1}{8}$ " MAX

STICK OUT.

DO NOT USE

BOLT.

DO NOT INSTALL KNOB.

FOOT TUB HINGE

INSPECT FOR LOOSENESS.

OIL HINGE BOLT BEFORE TEAR DOWN.

SEAT LINER

CHECK FOR CRACKS AND LOOSE FASTENERS.

CAR BODY

DAILY

CHECK FOR CRACKS AND LOOSENESS ON FRAME.

IF CAR BODY IS LOOSE

DO NOT USE CAR UNTIL

INTERNAL FRAME IS

CHECKED.

SEAT

YEARLY

CHECK INTERNAL FRAME BOLTS

FOR LOOSENESS



WISDOM

INDUSTRIES

Merino, CO 80741

SCALE: N.T.S.

APPROVED BY:

DRAWN BY: MDF

DATE: 03-05-97

REVISED

DESCRIPTION

SEAT INSPECTION CHECKLIST

EQUIPMENT:

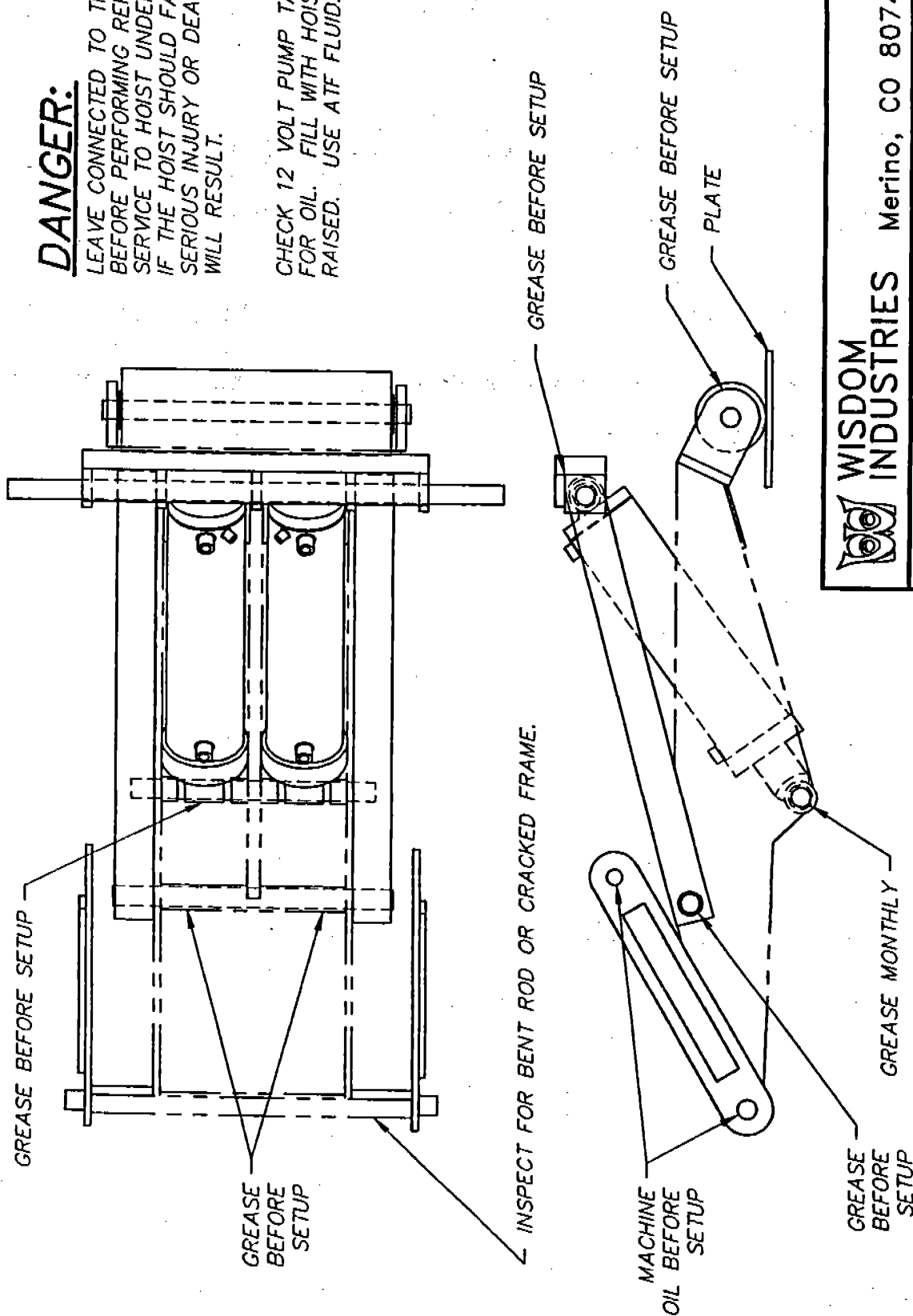
SIZZLER

DRAWING NUMBER

3S-04

LEAVE CONNECTED TO TRACTOR BEFORE PERFORMING REPAIR OR SERVICE TO HOIST UNDER TRAILER. IF THE HOIST SHOULD FAIL SERIOUS INJURY OR DEATH WILL RESULT.

CHECK 12 VOLT PUMP TANK
FOR OIL. FILL WITH HOIST
RAISED. USE ATF FLUID.

WISDOM
INDUSTRIES

SCALE: N.T.S.

SCALE:	N.T.S.
DATE:	03-05-97

APPROVED BY:

DRAWN BY
REVISED

MDF

DESCRIPTION

HOIST CHECKLIST

EQUIPMENT:

DELUXE SIZZLER

DRAWING NUMBER

3S-03

OPERATING AMUSEMENT DEVICES - OPERATOR INSTRUCTIONS

The following are the correct loading (balance) procedures for amusement devices:

1. Every amusement ride must always be operated with a balanced load of passengers at all times.
2. The balancing rule is to ensure an even load on the ride's structure and mechanical drive, which in turn will cause less wear and tear and ensure a safer, longer life of the structure with less down time for adjustments and repairs.
3. In practical terms, consider the difference in driving a motor vehicle with balanced wheels as against unbalanced wheels, which causes vibrations and eventually wear and tear. The majority of operators have experienced driving a car with unbalanced wheels and the consequent results. Amusement devices are mostly large wheels that react the same as an automotive wheel when out of balance.
4. Although the out of balance load on some devices cannot be felt by the passengers or operator, it is still essential for the ride to be balanced.
5. On an extremely fast moving ride, it is essential that the ride be accurately balanced at all times.
6. Although it may not be strictly essential to balance slower revolving rides, it is still most desirable to achieve a balanced load, in the interests of the passengers and the owner of the ride, for increased safety and less "wear and tear".

OPERATOR RESPONSIBILITIES

1. **HANDICAPPED PERSONS** - Persons who are physically handicapped must not be allowed to ride violent or fast moving rides. If the management of the amusement area allow handicapped to ride certain slow rides, the operator must ensure that the handicapped person is under the full control of an adult person who will ride with them and provide supervision during the ride.
2. **PROHIBITED PASSENGERS** - Operators should not allow a passenger on the ride who cannot be properly secured due to his size or if there is a malfunction to the securing device. Similarly, they must refuse service to a pregnant woman, or a passenger who is visibly ill, or under the influence of alcohol or drugs.
3. **CLEARANCE PRECAUTION** - Before operating the ride, it is important to ensure that there are no personnel around the ride structure or any exposed electrical components or other areas where there could be a risk of injury.
4. **ON-DUTY ATTENTION** - Insist that each operator remain in full control of the operating controls during operation of the ride with complete attention to the ride and passengers. Under no circumstances should the operator leave his or her position while the ride is in operation.

If it does become necessary for the operator to leave his post at the controls, he must turn the ride off completely to ensure it does not accidentally start and injure passengers or staff.

5. **INSPECTION/CHECK LIST** - Operators must inspect the ride and complete a General Check List before each day's operation.
6. **DAILY WARM-UP** - The operator must always run the ride through several cycles before the first passengers are loaded. This warm-up without passengers is necessary to make sure the ride is safe and there are no problems mechanically not detected previously.

7. **PRECAUTIONS BEFORE AND DURING THE RIDE** - Never start the ride unless the operator or assistant is facing the ride and is in a position to observe the whole area because:
 - Patrons have been known to jump fences.
 - Patrons have been known to try to change positions while the ride is running.
 - Patrons have been known to "skylark" causing their own safety and that of others to be put in jeopardy.
 - The operator's assistant may wish to make a last minute adjustment and be put in a dangerous position when the operator puts the ride in motion.
8. **SMOKING** - Smoking is not allowed in the Sizzler.
9. **LOOSE ITEMS** - The area inside the Sizzler seats must be clear of any items that can fly out of the ride when it gets up to speed.
10. **FOOD AND DRINK** - It is recommended that no food or drink be allowed onto the ride.

OPERATOR SELECTION AND INSTRUCTION

1. Select competent, mature operators, capable of understanding the function and use of amusement rides and their control.
2. Instruct each operator fully in the proper use and function of the ride he is to supervise, including:
 - a) Controls and procedures for normal and emergency operation.
 - b) Manufacturer's recommended maximum speed and load.
 - c) Manufacturer's recommended length of ride time and frequency of repeat rides.
 - d) Any foreseeable misuses of the ride as determined by the manufacturer or owner, or by special conditions such as weather, location, or crowds.
 - e) Each operator must have immediate availability of a manufacturer's Operation Manual for the ride he supervises.
3. Require each operator to inspect the ride he supervises, each day of the operation:
 - a) Determine that no portion of the ride is damaged, omitted or worn in such a manner that it is unsafe or that it may develop into an unsafe condition.
 - b) Report any irregularities to the superintendent or owner.
 - c) Do not operate the ride if any irregularities are found until such condition has been corrected.
4. Instruct the operator to allow no passengers to ride who are visibly ill, or under the influence of drugs or alcohol.
5. Instruct operators and attendants on the proper methods of securing passengers in the ride. Do not allow a passenger to board a ride if he cannot be properly secured because of his size or because there is a malfunction of the securing device.

STOP the ride immediately if any passenger is observed moving from their seat, turning upside down, or behaving dangerously, such as standing up.
6. Advise the operator against starting or operating the ride while any person (passenger, spectator, or employee) is in an endangered or unsafe position on the ride, or within the ride area.
7. Insist that each operator remain in full control of the operating controls during operation of the ride, and gives his full attention to the ride and its passengers.

8. Instruct the operator to let no other person, other than another trained operator, operate the controls of the ride, except those portions of the ride that are specifically designed to be controlled by the passenger.
9. Advise the operator that factory-installed safety devices are not to be tampered with or removed.
10. Advise the operator of owner/supervisor procedures for assisting ill or injured passengers.
11. Instruct operators and attendants that patrons are required to secure all articles, such as keys, change, eye glasses, etc., which may become loose while riding.