



WISDOM INDUSTRIES, INC



TWIZZLER BULLETIN

DATE: MAY 1996
RIDE: TWIZZLER
SUBJECT: MAIN SWEEP ARM BOLTS

Immediately, inspect the center sweep pivot bolts before operating your ride. The bolt could possibly break at the end of the shank where the threads start (inside the sweep bushing).

Inspection Procedure

1. Turn off power to ride.
2. Use a wrench or pliers to turn the head of the bolt a quarter turn.
3. If the nut or the threaded end of the bolt does not turn, the bolt is broken and **must be replaced** before operating the ride.
4. Repeat for all 8 sweep bolts.

Inspect daily until the bolts are replaced.

We are sending you 8- 3/4" X 6" Grade 5 bolts, 16 washers, and 8 lock nuts to replace the original bolts.

Installation Procedure

1. Install the new bolt.
2. Place 2 flat washers over the thread end.
3. Install one lock nut.
4. Tighten bolt.

NOTE: Do not over tighten. The bolt should be only tight enough to keep the bolt from turning when the ride operates.

Thank you for your cooperation in this matter. If you have any questions about this bulletin, please feel free to contact us at 1-800-634-6097 or 1-970-522-7515.

TWIZZLER INSPECTION AND MAINTENANCE RECOMMENDATIONS

DAILY INSPECTION

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

GEARBOX REDUCER

The manufacturer recommends draining the oil and flushing the case after 100 hours or two weeks of operation. It is also recommended that the oil be changed ever 2500 hours of operation or 6 months of use. The recommended oil to be used is Mobil 600W or equivalent AGMA 8 or 8EP.

ANNUAL INSPECTION

1. Remove the car body and frame assembly from the sweep. Inspect all bolts excessive wear and replaced as needed. Inspect car frame for cracks. Inspect rod ball swivel ends for wear or cracks. Check rear car frame pivot bushings for wear. Replace if more than .812 I.D.
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 car body for cracking, particularly around any mounting holes. If necessary, remove car body from frame for inspection.
4. Remove sweeps and sweep braces. Inspect sweep and sweep brace bolts for wear and replaced as needed. Grade 5 bolts must be used. Check bushings for wear. Replace if more than .812 I.D.
5. Inspect sweep car pivot ears for cracks and wear.
5. Inspect the drive rim assembly for cracks. Inspect sweep mounting ears for cracks and wear. Should there be excessive hole wear, holes shall be drilled out to accommodate a steel or brass bushing.

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.



WISDOM INDUSTRIES, Ltd.

March 14, 1997

RE: FAMILY SIZZLER/TWIZZLER

It is imperative that the lap bars be checked after all the passengers are loaded to be sure they are down in the customer's lap. We have had one instance where the lap bar was not pushed down in the passengers lap and the child climbed out of the seat during operation.

Due to the seriousness of this, we would like to have you make sure that you operators understand that the ride must be operated in a professional manner, being very conscious of watching the passengers while they are riding the ride and make sure the lap bar is pressed down into their lap. If any passenger tries to get out, **STOP THE RIDE.**

Thank you very much in your assistance in this.

Sincerely,

Victor Wisdom
Vice President
Wisdom Industries



LAP BAR INSPECTION PROCEDURE

1. Raise lap bar.
2. Check lap bar hinge bolts and lock mechanism hinge bolts for looseness or broken bolts.
3. Check lap bar air cylinder attachment pins for security and cotter pins.
4. Check lap bar arm for cracks.
5. Check that the lap bar foam is centered and in good shape.
6. Lift lap bar manual release.
7. Push down lap bar. Lap bar must ratchet down and lock at each detent.
8. Activate air unlocking system. **NOTE:** All bars should raise.
9. Turn off air unlocking system.
10. Watch as the air is released that the seat manual release lever does not stick or operate in a jerky manner.
11. Check that air cylinder mechanism releases so that bar will lock.
12. Push down lap bar. Lap bar must ratchet down and lock at each detent.
13. Repeat for each seat.

LAP BAR LUBRICATION

Weekly

- Oil all hinge bolts.
- Oil lock gear pivot bolts.
- Oil air unlocking cylinder pivot pins.
- Grease gear teeth.



**WISDOM
INDUSTRIES, Ltd.**

SERVICE BULLETIN

DATE: October 30, 2002

RIDE: TWIZZLER

SUBJECT: MAIN SWEEP ARM CENTER HINGE CARS

- ◆ **Immediately, inspect the center sweep hinge ears where they are welded to the center before operating your ride.**

INSPECTION PROCEDURE

1. Turn off power to ride.
2. Visually inspect the weld where the weep ear is welded to the center ring.

Thank you for your cooperation in this matter. If you have any questions about this bulletin, please feel free to contact us at 1-800-634-6097 or 1-970-522-7515.

