

WISDOM INDUSTRIES, INC.



REQUIRED INSPECTION **NOTICE**

DATE:

JULY 31, 1998

RIDE:

ORIENT EXPRESS

SUBJECT:

ROD END COUPLER GREASE ZERK HOLES

COMPLIANCE: MANDITORY

COMPLETION DATE: IMMEDIATELY

One coaster has has one rod end crack at the grease zerk hole. Inspect the rod end, between the cars for cracking in the grease zerk area.

TO INSPECT FOR CRACKS.

- 1. Thoroughly clean the area around the grease zerk.
- 2. Inspect the area around the ground zerk for cracks.
- 3. If there is a question about cracking use a dye penetrant kit to check for cracks.
- 4. If no cracks are found include a check of the grease zerk area in the daily inspection of the ride.
- 5. If the rod end is cracked replace the rod end.

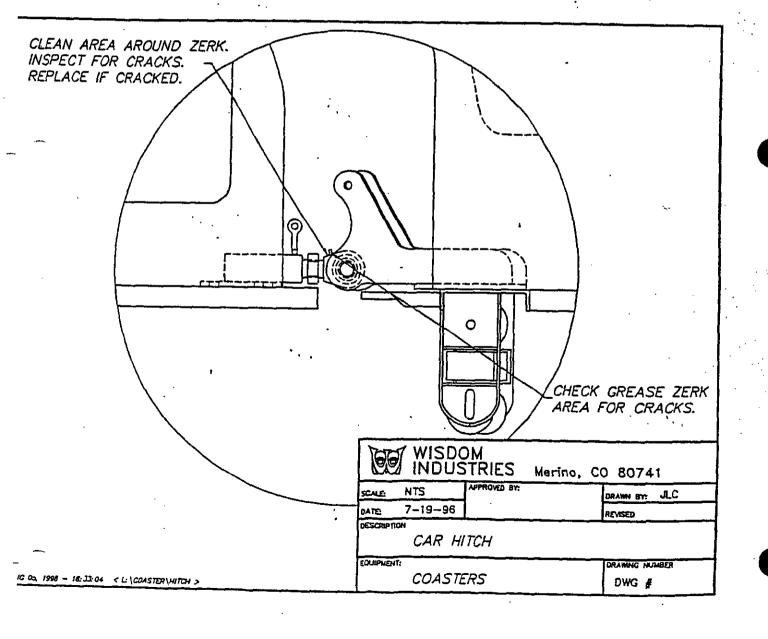
REPLACING THE ROD END

- 1. Block up front of car that the rod end is going to be replaced on.
- 2. Remove 1 inch connecting bolt.
- 3. Disconnect safety chain.
- 4. Push car ahead to allow access to rod end.
- 5. Loosen lock nut.
- 6. Unscrew rod end from coupler.
- 7. Screw lock nut from original rod end onto new rod end.
- 8. Screw in new rod end.

NOTE: The threads must be screwed in at lease 1 to 1.25 inches into the coupler.



- 9. Screw new rod end into coupler.
- 10. Tighten lock nut.
- 11. Reconnect cars together with 1 inch bolt and lock nut.
- 12. Connect safety chain.
- 13. Check that the lock nut is tight.
- 14. Remove blocks and check track for objects that will stop the train.
- 15. Test run ride.
- 16. Check that the jam nut is tight daily.





SAFETY BULLETIN

DATE: DECEMBER 13, 2000

RIDE: ADULT DRAGON, ORIENT EXPRESS

SUBJECT: RODEND COUPLER ROLL PIN INSTALLATION

COMPLIANCE DATE: INSPECTION IMMEDIATE

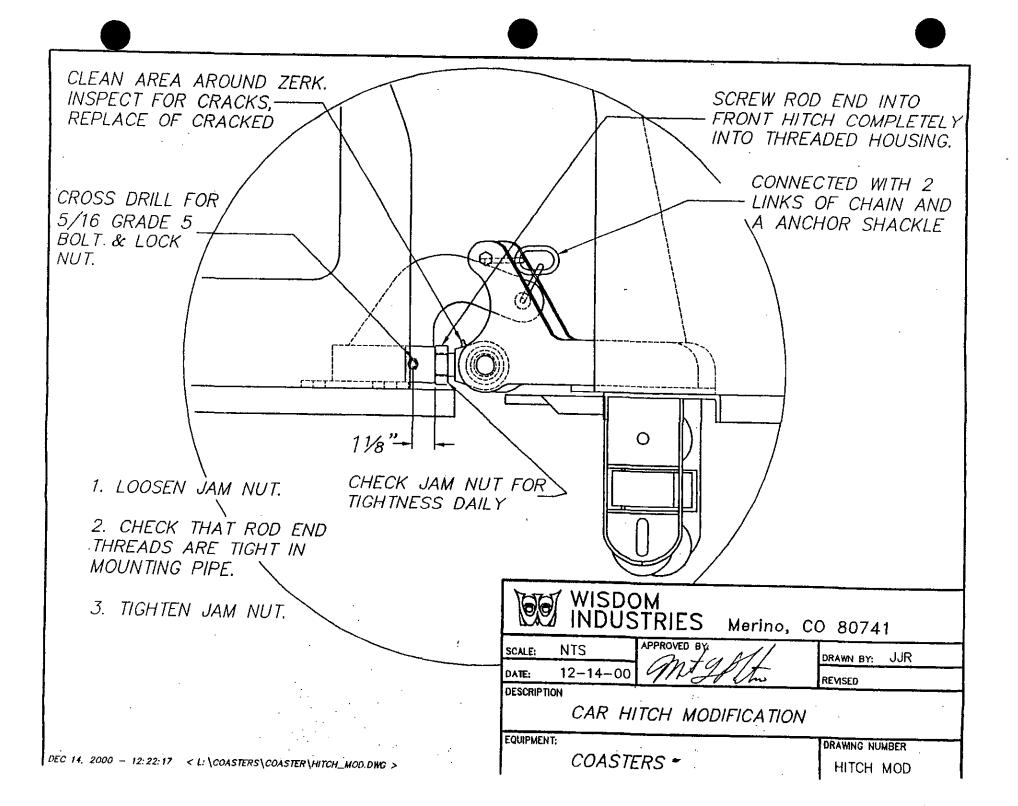
COMPLETION DATE: 2 WEEKS

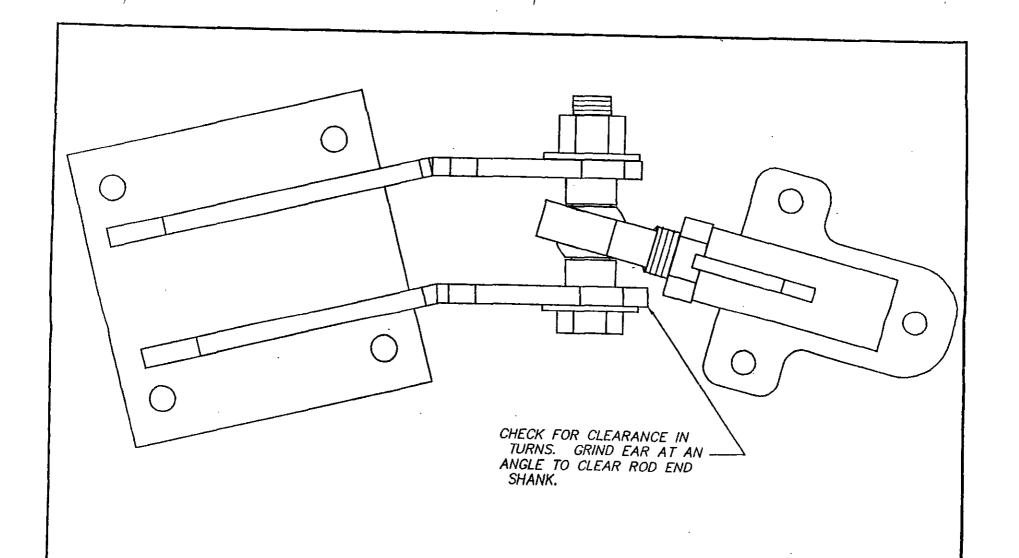
1. Detach rodend eye from rear of car

2. Turn Jam nut until it is next to eye of rodend.

- 3. Screw rodend into front hitch threaded mount till threads bottom on jam nut.
- 4. Turn rodend out only enough to make the eye vertical and grease zerk is up.
- 5. Tighten jam nut.
- 6. Reattach rodend to rear of car with original 1" bolt. Use new lock nut.
- 7. Tighten 1" bolt and lock nut.
- 8. Run ride and check for clearance between cars in turns.
 - ◆ NOTE: IF THERE IS NOT ADEQUATE CLEARANCE BETWEEN CARS CALL FOR AN EXTENDED FRONT HITCH MOUNT.
- 9. Check for clearance between car rear bracket and shank of rodend. (See drawing)
- 10. If bracket is hitting rodend shank grind edge of rear bracket for clearance.

- 11. Measure 1 1/8" from where jam nut touches front hitch threaded mount. (See Drawing)
- 12. Cross drill threaded coupler mount for a 5/16 " bolt.
- 13. Install a 5/16 X 3" grade 5 bolt and lock nut and tighten.
- 14. Repeat for other rodends.





WISDOM INDUSTRIES Merino.	CO 80741
SCALE: NTS APPROVED BY: DATE: 12-14-00 W/ July	DRAWN BY: JJR REWSED
DESCRIPTION CAR HITCH	
COASTERS	DRAWING HUMBER

16:09:58 < L:\COASTERS\COASTER\HITCH_MOD1.DWG >