

MasterCraft Service Bulletin

No.2006.OCT24.SB-004

SUBJECT: Tandem Trailer Hubs

MODEL(S): 2007 Tandem Trailers built
through July 27, 2006

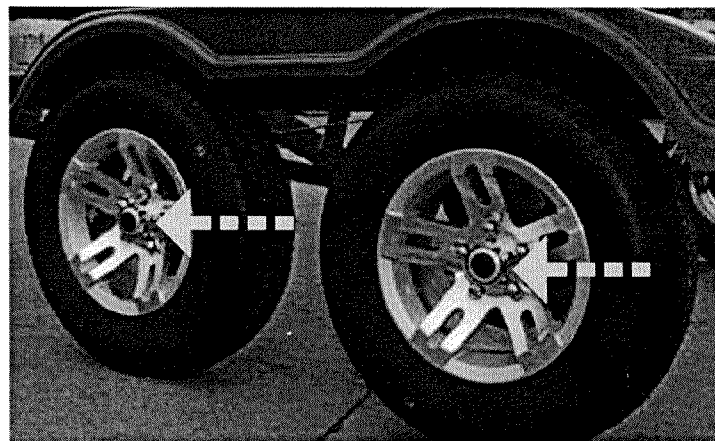
CONDITION:

THIS IS A MANDATORY RECALL!

MasterCraft has determined that improper machine work may have been performed on wheels utilized on MasterCraft 2007 model tandem-axle trailers manufactured from June 26, 2006 (the first date of production of the 2007 model year tandem-axle trailers) through July 25, 2006. Single-axle trailers are not affected, but all wheels on the affected tandem-axle trailers, including the spare tire/wheel assembly, will need to be inspected. Attached hereto for your reference is a list of 2007 trailers in the recall population which will need to be inspected in accordance with the procedures described herein.

The problem which has been identified in certain of the 14-inch wheels purchased by MasterCraft from Jetstar Trailer and Wheel, a Division of JCA Corporation ("Jetstar"), relates to an improperly machined chamfer which does not allow the center cap to fit within the chamfer, which condition may prevent the wheel from seating properly on the wheel hub and may cause the lug nuts to work loose and eventually could allow the wheel to disengage while the trailer is in motion! **This represents an extremely dangerous situation for the consumer and others. Therefore, all affected trailers must be inspected immediately to determine whether this defect in the machining of the chamfer exists, and if so, then the wheel must be replaced.**

To inspect the wheels, you must jack up the trailer, remove the wheels and inspect the back of the wheel in accordance with the instructions set forth in this Service Bulletin. If the defect is determined to exist in any given wheel, then the wheel **MUST BE REPLACED IMMEDIATELY!**



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This Service Bulletin will be monitored by the National Highway Traffic Safety Administration. Therefore, even if you check a trailer and find that none of the wheels require replacement, you must report to MasterCraft that you have inspected each of the wheels, including the spare tire/wheel assembly.

NOTE: According to Jetstar, the manufacturing and machining process for the 14-inch wheels utilized by MasterCraft on its tandem-axle trailers has now been changed to ensure that the defect in the 14-inch wheels does not recur. After July 25, 2006, the 14-inch wheels in MasterCraft's inventory were replaced by Jetstar with new 14-inch wheels which do not contain the manufacturing defect. MasterCraft continues to inspect the 14-inch wheels to ensure that the defect no longer exists in the wheels purchased from Jetstar. No single-axle trailers are affected by this recall as the manufacturing process on the 15-inch wheels used on those trailers is a different process.

WARRANTY FLAT RATE CODE AND TIME:

9006004	.10 hr. to inspect
9006104	.25 hr. to replace wheels and re-torque the lug nuts

TOOLS REQUIRED:

Impact gun; proper socket; extension; floor jack; jackstands; torque wrench.

PARTS REQUIRED:

Part # 650374, 14-inch wheel/tire assembly; Part # 650611 lug nuts.

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PROCEDURE:

Step 1: With the trailer jacked up and supported under jackstands, remove the lug nuts beginning with a rear wheel. **(NOTE: Both aft wheels should be replaced before the forward wheels.)** The attached jackstand on the trailer is intended to provide support for the trailer when it is not hitched to the tow vehicle. When working on the wheels, portable jackstands should be placed under the aft metal portions of the trailer. **Prior to removing tire/wheel assemblies, you should ensure that the trailer is firmly seated on the jackstands. Failure to do so may result in the trailer falling to the ground and any resulting damage would not be covered under the MasterCraft Limited Warranty!**



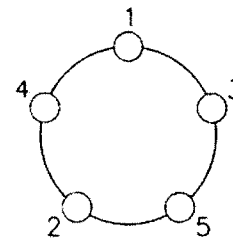
- Step 2:** In order to properly inspect the wheel to determine whether it has been correctly machined, place the wheel face-down on a flat surface and lay a level or straight edge across the center ring located on the back side of the wheel. If the center cap holds the straight edge up and prevents it from laying level across the width of the entire center ring, then the center cap assembly has not been countersunk deeply enough and the wheel will not seat correctly against the hub. This indicates that the wheel must be replaced.
- Step 3:** Following inspection as described in Step 2 above, once a determination has been made as to the total number of 14-inch wheels found to be defective, please contact your Parts Representative within MasterCraft's Warranty Department and inform him/her of the total number of wheels that need to be replaced. MasterCraft will promptly supply to you replacement wheels.

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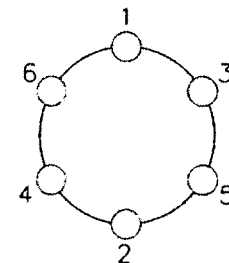
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Upon receipt of the replacement wheels, you should replace each of the defective wheels which were identified during the inspection process with a new replacement wheel, being sure to follow the instructions set forth in Step 4 below. The defective wheels should then be shipped to MasterCraft pursuant to the instructions provided to you by MasterCraft. In the event that, following the inspection of the trailer wheels, any identified defective wheels are placed back onto the trailer while you are waiting for the replacement wheels to be delivered to you, **each defective wheel should be clearly marked by taking a permanent marker and marking a large "X" or other similar designation across the face of the wheel.** This will ensure that when the replacement wheels arrive, all of the defective wheels are properly replaced.

- Step 4: When the new wheel is installed, be sure to use the correct sized socket to tighten the lug nuts. Using a socket which is the wrong size can round off the lug nuts and render them useless. If you lose a lug nut, replace it promptly. The correct size varies with different models, so you should verify that the correct size is being installed. Take special care to ensure that the replacement lug nut is the correct type. While the threads of the lug nut may match, it may be a size that does not hold the wheel securely against the hub, even when fully tightened. **Be certain a replacement lug nut is an exact match for the original.** Due to concern that the original lug nuts may have improperly seated and rounded off, you must use new lug nuts when installing the new wheels. You must use a torque wrench to accurately indicate the amount of torque that you are applying to the lug nut. **Four-way wrenches, ratchets, and similar tools are not appropriate tools for accurately checking lug-nut torque.** Use the following pattern to tighten lug nuts. On first torquing pass, bring up to 45-ft-lbs; on second torquing pass, bring up to 70-ft-lbs; on third



5 BOLT



6 BOLT

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torquing pass, bring up to 90-ft-lbs. Re-torque at 25 miles, again at 100 miles, and periodically thereafter.

Step 5: After completing the inspection/replacement of the wheels on each axle, you must also check the spare tire. It is necessary to remove the tire/wheel assembly and to perform the necessary inspection beginning with Step 2 hereof and following the instructions from there.

All tandem-axle trailers manufactured by MasterCraft from the beginning of production of the 2007 model year trailers on June 26, 2006 through discovery of the defect on July 25, 2006, have been deemed to be within the recall population by MasterCraft and by Jetstar, which supplied the 14-inch wheels in question, to MasterCraft. This recall therefore includes the following trailer models which are utilized with the following MasterCraft boat models:

<u>Trailer Model</u>	<u>For Boat Model</u>
B2	ProStar 190/197 or X7
C6	X-1
D3	X-Star
D4	MariStar 200 or X-2
D6	MariStar 215 or X-15
E1	MariStar 245 or X-45
F2	MariStar 230

Attached to this Service Bulletin for your reference is a List of Affected 2007 Tandem-Axle Trailers showing the Serial Number for each trailer, which List is sorted alphabetically by Dealer name, and showing the trailer(s) purchased by each Dealer which are within the recall population.