



U.S. Department
of Transportation
**National Highway
Traffic Safety
Administration**

ODI RESUME

Investigation: PE 04-016
Prompted By: PEER PHONE SURVEY PROMPTED BY RQ03-009
Date Opened: 02/18/2004
Principal Investigator: TOM BOWMAN
Subject: WHEEL SEPARATIONS

Manufacturer: JAYCO, INC.
Products: 2000 -2004 JAYCO TRAVEL TRAILERS AND FIFTH WHEEL TRAILERS
Population: 5000 (ESTIMATED)

Problem Description: WHEELS CAN SEPARATE FROM VEHICLES WHEN THE CLAMP PROVIDED BY THE WHEEL MOUNTING AND RETENTION SYSTEM (NUTS, STUDS, AND WHEEL COMPONENTS) LOOSENS, CAUSING NUT BACK-OFF AND/OR STUD BREAKAGE.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	0	55	55
Crashes/Fires:	0	0	0
Injury Incidents:	0	0	0
# Injuries:	0	0	0
Fatality Incidents:	0	0	0
# Fatalities:	0	0	0
Other*:	0	0	0

*Description Of Other:

Action: OPEN A PRELIMINARY EVALUATION

Engineer: Thomas Bowman

Date: 02/19/2004

Div. Chief: Richard Boyd

Date: 02/19/2004

Office Dir.: Kathleen C. DeMeter

Date: 02/19/2004

Summary: JAYCO HAS INFORMED ODI OF 46 INCIDENTS IN WHICH VEHICLES MANUFACTURED BETWEEN LATE 2000 AND 2002 HAVE EXPERIENCED A SEPARATION OF THE "SIX-LUG" WHEEL FROM THE VEHICLE. TWENTY-EIGHT OF THESE INCIDENTS OCCURRED WHEN VEHICLES WERE BEING TRANSPORTED (TOWED) TO THE DEALER PRIOR TO SALE. EIGHTEEN INCIDENTS OCCURRED AFTER PURCHASE.

JAYCO ALSO IDENTIFIED NINE INCIDENTS IN WHICH VEHICLES MANUFACTURED IN 2003 HAVE EXPERIENCED A SEPARATION OF THE "EIGHT-LUG" WHEEL FROM THE VEHICLE. FOUR OF THESE INCIDENTS OCCURRED WHEN VEHICLES WERE BEING TRANSPORTED (TOWED) TO THE DEALER PRIOR TO SALE. FOUR INCIDENTS OCCURRED AFTER PURCHASE.

ODI IS VERY CONCERNED ABOUT THE HAZARD POSED BY THE SEPARATION OF WHEELS FROM VEHICLES. ODI IS PARTICULARLY CONCERNED ABOUT THE CAUSE OF SEPARATIONS OF EIGHT-LUG WHEELS, SINCE THIS DESIGN SHOULD PROVIDE GREATER CLAMP THAN SIX LUG WHEEL SYSTEMS