

Technical Information Bulletin



U.S. Department of Labor
Occupational Safety and Health Administration

Condor Aerial Device Outrigger Failure- Time Manufacturing Company's Service Bulletin FC 02-001

TIB 02-08-12

Purpose

The purpose of this Technical Information Bulletin is:

1. to inform users of all models of truck mounted Condor aerial devices that the manufacturer, Time Manufacturing Company, has issued a service bulletin (FC 02-001) on outrigger pin modification; and
2. to recommend that all users of Condor aerial devices follow the instructions detailed in Time Manufacturing Company's Service Bulletin FC 02-001.

Background

The National Aeronautics and Space Administration informed the Occupational Safety and Health Administration (OSHA) of a failure of a Condor aerial lift outrigger, which occurred in Saudi Arabia in December 2001 and resulted in a fatality. The manufacturer of the Condor aerial device, Time Manufacturing Company, issued "Service Bulletin FC 02-001" on February 13, 2002 to inform dealers and owners of all truck mounted Condor aerial lifts that outrigger pin modifications are required for all models.

Equipment Information

The truck mounted Condor aerial lifts have four outriggers to stabilize the aerial lifts during operations. The accident occurred when the outrigger pivot pin of the unit involved in the accident worked its way up to the bolts and sheared off the bolts on the outrigger, causing a leg to give way and overturning the aerial device.

The Occupational Safety and Health Administration (OSHA) issues Technical Information Bulletins (TIBs) to provide information about occupational hazards and/or to provide information about noteworthy, innovative, or specialized procedures, practices, and research that relate to occupational safety and health. These bulletins are not standards or regulations and they create no independent legal obligations. They are advisory in nature, informational in content, and are intended to assist employers in providing a safe and healthful workplace.

Further information about this bulletin may be obtained by contacting OSHA's Directorate of Technical Support at 202-693-2300.

Although Time Manufacturing Company contends that the outrigger pivot pin retention design is reliable when properly maintained, it has designed an outrigger pin modification to prevent the pivot pin from moving up or down. Pursuant to the modification, "[a] retaining cap must be installed over the top of the pin to prevent any upward movement." The installation of this top retainer cap, coupled with the current pin retainer, on the bottom, captures the pivot pin and prevents any upward or downward movement. The modification is outlined further in Time Manufacturing Company's Service Bulletin FC 02-001. It requires the installation of a redundant pin retainer on all existing truck mounted Condor aerial devices. Service Bulletin FC 02-001 instructs that a MO 233 kit should be ordered from Time Manufacturing Company for each Condor purchased or sold and refers to modification instructions which are enclosed with the kit. After completing the installation of a redundant pin retainer cap, the owner is asked

to send a "Letter of Compliance for Service Bulletin FC 02-001" to:

Time Manufacturing Company
Attn: Customer Service
P.O. Box 20368
Waco, Texas 76702-0368

More information is available from Time Manufacturing Company at 254-420-5330.

Other Information

The owners and users of these aerial devices must comply with OSHA standards 29 CFR 1910.67 and 29 CFR 1926.453, which reference the American National Standards Institute A92.2-1969 standard, Vehicle-Mounted Elevating and Rotating Work Platforms. Owners and users also should conduct frequent and periodic inspections and follow the manufacturer's recommendations regarding the necessity and frequency of maintenance, as delineated in the manufacturer's maintenance manual.

Recommendations

Employers who own or use the subject aerial devices must comply with the appropriate OSHA standards. OSHA also recommends that all users and owners of truck mounted Condor aerial devices follow Time Manufacturing Company's Service Bulletin FC 02-001 instructions, and modify the outrigger pins according to the instructions in the service bulletin on all truck mounted Condor aerial devices.

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