

Part 573 Safety Recall Report

18V-679

Manufacturer Name : Integrated Tower Systems, Inc.**Submission Date :** SEP 28, 2018**NHTSA Recall No. :** 18V-679**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Integrated Tower Systems, Inc.

Address : 2703 Dawson Road

Tulsa OK 74110

Company phone : 749-8535

Population :

Number of potentially involved : 125

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2007-2018 Integrated Tower Systems Mobile Tower Trailer

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : This report serves as Integrated Tower System, Inc.'s notification to the U.S. Department of Transportation, National Highway Traffic Safety Administration that an electrical defect exists in an item of equipment; specifically an electrical control panel that is secured to the deck of a Mobile Tower Trailer manufactured and sold by Integrated Tower Systems. The Company determined that this defect existed on the afternoon of Friday, September 21, 2018.

The defective component is an electrical control panel having part number CCP1828E. The manufacturer of the defective part is: Advanced Industrial Devices, 874 North 165th East Ave., Suite A, Tulsa, Oklahoma 74116.

Integrated Tower Systems maintains a data base of all its manufactured/sold Mobile Tower Trailers. For each mobile tower trailer, the date of manufacture, trailer VIN, model number, electrical configuration and other pertinent information is documented. Any mobile tower trailer configured to support 220VAC/60Hz incoming power which utilizes the defective control panel was identified. The defective panel was specifically identified as only one panel configuration supporting 220VAC/60Hz incoming power was ever produced.

The recall population contains only those control panels configured for 220VAC/60Hz incoming power. This is the only panel configuration that fails to provide an electrical disconnect on a single leg of incoming power. Other control panels configured to support either 110VAC/60Hz or 220VAC/50Hz incoming power include necessary disconnects and thus contain no defect. A total of 125 defective electrical control panels have been identified.

Production Dates : JUN 01, 2007 - SEP 21, 2018

VIN Range 1 : Begin : 12HTS24238S071235 End : 12HTS2427JS073638

 Not sequential

Description of Defect :

Description of the Defect : The defect is isolated to control panel part number CCP1828E that is configured specifically for 220VAC/60Hz incoming power only. The defect is a failure to install a power disconnect to one of two hot legs of incoming power. The unprotected hot leg is contained within a locking NEMA 4X control panel enclosure; Figure A. See also a photograph of the interior of the defective control panel (Figure B) and associated defective electrical schematic (CCP1828E), Figure C.

When configured specifically for 220VAC/60Hz incoming power, there was a failure to include a power disconnect to one of two incoming hot legs of electrical current.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The defect is the existence of one hot leg of 110VAC/60Hz not protected by a power disconnect thus creating the opportunity for an electrical hazard to exist.

Description of the Cause : When configured specifically for 220VAC/60Hz incoming power, there was a failure to include a power disconnect to one of two incoming hot legs of electrical current.

Identification of Any Warning
that can Occur : NR

Supplier Identification :**Component Manufacturer**

Name : Advanced Industrial Devices

Address : 874 N. 165th East Ave.

Suite A Tulsa OKLAHOMA 74116

Country : United States

Chronology :

Friday, September 21, 2018 ~ routine maintenance was being performed on a mobile tower trailer owned by Integrated Tower Systems as part of its rental fleet. The defect within the electrical control panel was recognized by a company electrical technician during this routine maintenance and brought to the attention of management. An investigation commenced immediately whereby the OEM of the electrical control panel (Advanced Industrial Devices - AID) was contacted.

Monday, September 24, 2018 ~ Advanced Industrial Devices and Integrated Tower Systems met to discuss the necessary parts and procedures required to remedy the defect. Such parts and procedures were identified and ordered by AID. A comprehensive list of original purchasers of mobile tower trailers containing the

defective electrical control panels was compiled. Corrective actions commenced to remedy all defective control panels currently in stock both at AID and Integrated Tower Systems

Tuesday, September 25 and Wednesday, September 26, 2018 ~ preparation of documents required to report the defect to the NHTSA commenced

It was determined that the defect is related to motor vehicle safety since the defective component is a part of equipment installed on the deck of a mobile tower trailer

Description of Remedy :

Description of Remedy Program : Integrated Tower Systems will notify all original purchasers of the defective electrical control panel via First Class Mail and Email advising them of the existence of the defect within the stated NHTSA time period. It is anticipated that such notifications will be made immediately upon approval of report and owner notice by NHTSA.

Advanced Industrial Devices (AID), the OEM of the defective electrical control panel, will prepare a modification kit for immediate distribution to authorized technicians in areas where the defective parts were originally known to exist or to a location(s) advised by the original purchaser or current owner the equipment is currently located.

In coordination with the original purchaser or current equipment owner, AID, its designated technicians, and/or Integrated Tower Systems will schedule the servicing of the defective control panels thus remedying the defect.

There will be no cost incurred by the original purchaser or current owner of the defective equipment to remedy the defective control panels.

How Remedy Component Differs from Recalled Component : The remedy; a modification kit, is comprised of an OEM-furnished MMP (a UL508 manual motor protection device) suitable to act as a panel disconnect/overload secured within an IP65 rated enclosure that will be connected to the existing (defective) 220VAC/60Hz-configured control panel. In addition, a jumper will be installed to the existing terminal block and an extra contact block added to the existing panel key switch. The above described remedy will eliminate the defect.

The recall component is electrical control panel CCP1828E. The remedy components are listed below and described on an updated drawing for a new control panel CCP1828E2. The OEM part numbers for the components used in the remedy control panel are as follows:
Disconnect/MMP - # EPH-32 and #MMS-32H-22/32
Keyed Switch Contact Block: # MCB-10
Terminal Strip Addition: 0118368.16 End Section-Snap on-Gray,

0115116.07 M4/6 Terminal Gray and Terminal Strip Marker "2A" Custom Made

Identify How/When Recall Condition was Corrected in Production : Immediately upon the determination that the default exists (September 21, 2018) all defective control panels in stock at both the OEM and Integrated Tower Systems were identified. A new wiring schematic was developed by the OEM (CCP1828E2) on September 25 and efforts to modify all defective control panels in inventory commenced. All component parts necessary to produce new and defect-free control panels and modification kits for purchaser/owner panels relating to this recall were ordered.

Recall Schedule :

Description of Recall Schedule : Recall schedule for notifications will commence immediately upon approval by NHTSA. Proposed date subject to NHTSA approval is October 5, 2018.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : OCT 05, 2018 - OCT 05, 2018

* NR - Not Reported