

Part 573 Safety Recall Report

18E-105

Manufacturer Name : Iowa Mold Tooling Co., Inc.

Submission Date : NOV 16, 2018

NHTSA Recall No. : 18E-105

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Iowa Mold Tooling Co., Inc.

Address : 500 Highway 18 West

P.O. Box 189 Garner IA 50438

Company phone : 1-800-247-5958

Population :

Number of potentially involved : 20

Estimated percentage with defect : 100 %

Equipment Information :

Brand / Trade 1 : IMT

Model : Omnex Proportional Wireless Transmitter

Part No. : 70733882, 70733883

Size : NR

Function : Crane Control

Descriptive Information : Certain wireless transmitters contain a diode that does not perform properly in the system allowing an electrical signal across the circuit board to activate other functions. When this occurs, the service crane may move in a manner other than that intended by the operator. All components used in the manufacture of the control are tracked by lot to the specific serialized transmitter. The diode used in the affected units were from a specific manufacturing lot. Based on this tracking, IMT has determined 20 defective transmitters were shipped to distributors as replacement parts for service cranes. All defective transmitters with cranes or service trucks in the manufacturing facility at IMT were contained.

Production Dates : OCT 22, 2018 - NOV 07, 2018

Description of Defect :

Description of the Defect : Certain wireless transmitters of part number 70733882 and 70733883 contain a diode that will fail due to voltage input resulting in an electrical signal that is not intended causing unintended crane movement.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : During operation, the transmitter may activate a function other than that being selected by the operator resulting in unintended movement of the crane and any load being handled. This unintended movement could present a hazard of property damage or personal injury. IMT is not aware of any

accidents as a result of this defect.

Description of the Cause : The diodes utilized in these units meet the basic specifications for the application, but fail to perform under actual use. The specific diodes in question were utilized due to a shortage of the standard component used for these transmitters.

Identification of Any Warning that can Occur : NR

Supplier Identification :

Component Manufacturer

Name : OMNEX Control Systems
Address : 74-1833 Coast Meridian Road
Port Coquitlam FOREIGN STATES V3C 6G5
Country : Canada

Chronology :

November 1, 2018 - During final testing of a crane it was observed that the selected crane function was resulting in movement of another crane function. Through troubleshooting and changing of components, it was determined the wireless transmitter was causing the issue. The failure occurred within the first 15 minutes of operation. The failed component was moved to a non conformance area for return to the manufacturer.

November 8, 2018 - Additional cranes exhibited the same symptoms and the replacement transmitters failed as well. All failures occurred with less than 30 minutes of operation. The manufacturer was made aware of the issue and arrangements were made to send eight failed units back to them for failure analysis.

November 13, 2018 - The manufacturer received the returned transmitters and was able to duplicate the failure seen at IMT.

November 14, 2018 - The manufacturer reported back to IMT on root cause of the failure being an alternative diode used in the manufacture of specific transmitters. Based on the information provided, the IMT management team decided the affected transmitters posed a safety risk and to declare a recall on all affected units.

Description of Remedy :

Description of Remedy Program : The remedy consists of replacing the defective transmitter with a new one.

The procedure will be performed by the IMT Distributor or the owner's service technicians at no cost to the customer, and should take less than 30 minutes to perform. The owner may file a warranty claim to IMT for reimbursement of parts & labor.

How Remedy Component Differs from Recalled Component : The Omnex wireless transmitters of part numbers 70723882 and 707338883 are labeled with a serial number. The recalled components are part of a specific list of serial numbered units. The remedy components will include a serial number that is not included in this specific group.

Identify How/When Recall Condition was Corrected in Production : The condition was corrected in production at IMT on November 15, 2018 by sorting all on hand transmitters to remove those on the affected list from inventory and production assemblies for return to the manufacturer.

Recall Schedule :

Description of Recall Schedule : Notifications to customers will be made via a customer letter. The 577 customer letter will be mailed pending NHTSA approval.

Planned Dealer Notification Date : DEC 14, 2018 - DEC 14, 2018

Planned Owner Notification Date : DEC 14, 2018 - DEC 14, 2018

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR

Address : NR

NR

Country : NR

Company Phone : NR

* NR - Not Reported