

# Part 573 Safety Recall Report

# 16V-541

**Manufacturer Name :** Charles Machine Works Inc**Submission Date :** JUL 15, 2016**NHTSA Recall No. :** 16V-541**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Charles Machine Works Inc

Address : 1959 Fir Street

Box 66 Perry OK 73077

Company phone : 580-572-2223

**Population :**

Number of potentially involved : 79

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2016-2016 Ditch Witch T14MV

Vehicle Type : TRAILERS

Body Style : OTHER

Power Train : NR

Descriptive Information : breakaway brake switch connection

Production Dates : JUN 23, 2015 - JUL 01, 2016

VIN Range 1 : Begin :	1DSB122Y7F1702190	End :	1DSB122Y1G1702266	<input checked="" type="checkbox"/> Not sequential
VIN Range 2 : Begin :	1DSB122Y7F1702190	End :	1DSB122Y1G1702266	<input checked="" type="checkbox"/> Not sequential
VIN Range 3 : Begin :	1DSB122Y7F1702190	End :	1DSB122Y1G1702266	<input checked="" type="checkbox"/> Not sequential
VIN Range 4 : Begin :	1DSB122Y7F1702190	End :	1DSB122Y1G1702266	<input checked="" type="checkbox"/> Not sequential
VIN Range 5 : Begin :	1DSB122Y7F1702190	End :	1DSB122Y1G1702266	<input checked="" type="checkbox"/> Not sequential
VIN Range 6 : Begin :	1DSB122Y7F1702190	End :	1DSB122Y1G1702266	<input checked="" type="checkbox"/> Not sequential
VIN Range 7 : Begin :	1DSB122Y7F1702190	End :	1DSB122Y1G1702266	<input checked="" type="checkbox"/> Not sequential
VIN Range 8 : Begin :	1DSB122Y7F1702190	End :	1DSB122Y1G1702266	<input checked="" type="checkbox"/> Not sequential
VIN Range 9 : Begin :	1DSB122Y7F1702190	End :	1DSB122Y1G1702266	<input checked="" type="checkbox"/> Not sequential

**Description of Defect :**

Description of the Defect : The wiring harness was incorrect and the breakaway brake switch would not work.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The brakes may not activate in the event of a breakaway.

Description of the Cause : Incorrect wiring pin location in harness connector

Identification of Any Warning : none  
that can Occur :

**Supplier Identification :****Component Manufacturer**

Name : Electrex  
Address : NR  
NR  
Country : United States

**Chronology :**

Jun, 2015 -- it was discovered that our supplier, Electrex, had switched two pins in the breakaway switch connector and the breakaway brake would not activate.  
Jun, 2015 -- supplier was contacted and their print had been drawn incorrectly  
Jun, 2015 -- we inspected and corrected our inventory and started inspecting trailers as they were built  
Jul, 2016 -- it was discovered that we were still receiving switches that were wired incorrectly, but were not able to determine when the issue reappeared.  
Jul, 2016 -- we contacted the supplier and requested a corrected print from them  
Jul, 2016 -- we inspected and corrected our inventory and put an incoming inspection on these to inspect future receipts when they arrive in the future

**Description of Remedy :**

Description of Remedy Program : We will contact dealers and then customers two weeks later. We will notify customers to contact their dealers to get the switch corrected at no charge.

How Remedy Component Differs from Recalled Component : Two wires in switch are reversed.

Identify How/When Recall Condition was Corrected in Production : Jul, 2016 -- pins were switched to proper pinout location in switch

**Recall Schedule :**

Description of Recall Schedule : Notify dealers on July 22 via email to service managers.  
Notify customers on August 5 via direct mail.

Planned Dealer Notification Date : JUL 22, 2016 - JUL 22, 2016

Planned Owner Notification Date : AUG 05, 2016 - AUG 05, 2016

\* NR - Not Reported