

NAFLIC

National Association For Leisure Industry Certification

Standards & Related Documents Committee

TECHNICAL BULLETIN — October 2015

394. Wisdom Rides Gravitron/Centrifuge service bulletins

Two service bulletins have been received from Wisdom Rides regarding a modification to a trap door on Gravitron and Centrifuge type devices, in response to an incident involving the trap door. However, no further details are given on the incident. It is recommended that operators should carry out a risk assessment in order to determine the best course of action in relation to these bulletins and employ an IB to carry out a review of the safety critical modification if it is deemed necessary. The bulletins can be found on the CARES website (www.caresofficials.org).

The information contained within is that of the manufacturer and not NAFLIC. When following the advice from the manufacturer, you are reminded of your duties and responsibilities under HSG175 regarding modifications.

Committee Members: Mr. D Dadswell (Chairman), Mr. A Mellor (Secretary), Mr. P Smith, Mr. J Green,
Mr. D Cox, Mr. M Thirkettle, Mr. I Davies, Mr. J Shilling & Mr. D Inman



SERVICE NOTICE

DATE: APRIL 14, 2015

**RIDE: GRAVITRON, STARSHIP ALIEN ABDUCTION
AND CENTRIFUGE**

**SUBJECT: TRAP DOOR MICROSWITCH
INSTALLATION**

Due to the risk of employees being injured by standing in the trapdoor of the Gravitron/Starship/Alien/Centrifuge rides, it is required that the trapdoor be closed at all times. Some agencies require that the trapdoor be permanently closed by welding.

Some agencies require that the trapdoor be accessible as a second means of egress. If this is the case, attached is a system to interlock the trapdoor with the drive system so that when the door is open the drive system is disabled and the operator cannot energize the main motor with the trapdoor open.

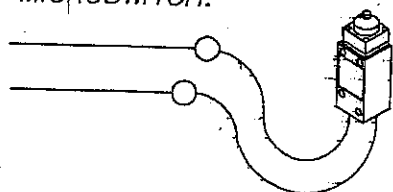
One system or the other is required to be performed.

!! IMPORTANT SERVICE BULLETIN !!

DANGER:
DISCONNECT POWER BEFORE
WORKING ON WIRING!!!

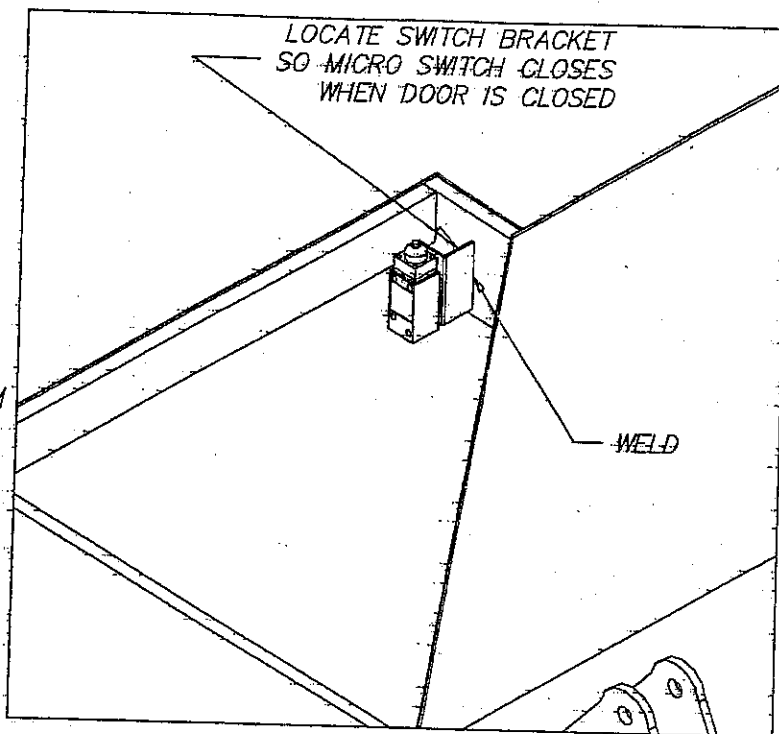
**ELECTROCUTION HAZARD
IS POSSIBLE!!!**

1. REMOVE WHITE WITH RED STRIPE FROM COMMUTATOR.
2. ATTACH TO ONE WIRE FROM MICROSWITCH.

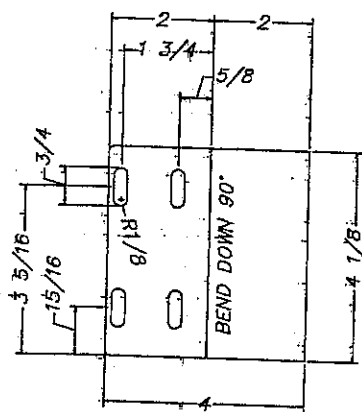


3. ATTACH OTHER WIRE FROM MICROSWITCH TO THE RING THAT THE WHITE WITH RED STRIPE WAS CONNECTED TO.

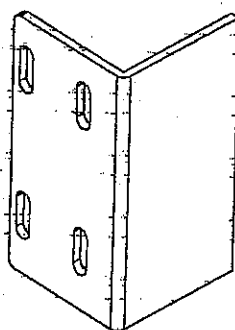
4. WIRES ATTACH TO THE NORMALLY OPEN CONTACTS IN MICROSWITCH.



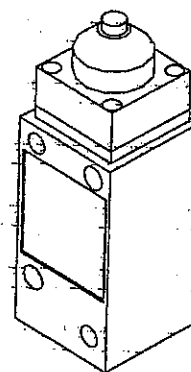
SWITCH INSTALLATION
SHOWN WITH DOOR OPEN



PART# 7WB2001
FLAT PATTERN



PART# 7WB2001
3D VIEW



PART #ESL0001
MICRO SWITCH



**WISDOM
RIDES**

Merino, CO 80741

APPROVED BY:

DESCRIPTION

TRAP DOOR MICROSWITCH INSTALLATION

EQUIPMENT:

GRAVITRON/ STARSHIP/OTHERS

DRAWN BY:

MLH

SCALE: NTS

DATE: 14APR15

DRAWING NUMBER:

7W03001

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