



SERVICE BULLETIN

Subject: FR2G-Series Ramp Deutsch Connector
Applicable Products: **FR2G-Series Ramps**
Effectivity: All
Ricon Product Support: Phone: 1-800-322-2884
Email: customerservice@riconcorp.com

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Introduction

This bulletin provides a brief description of the technical issue plus a brief description of what is needed to deal with that issue.

Incorporation

Ricon requires the incorporation of this service bulletin as soon as possible.

Information

FR2G-Series Ramp products have been found wherein the Deutsch connectors and/or terminals could potentially contain corrosion where the harness connects to the back of the ramp, due to moisture. The corrosion of the Deutsch connector terminals may provide continuity in the wiring which could potentially create discrepancies in the signals to and from the dash control panel and the ramp controller. Refer to Figures 1 and 2.

Caution

Harness with Deutsch connector terminals that do not have the white Deutsch plugs in the empty sockets may allow water to enter into the connector and corrode the terminals. Refer to Figure 2.

Corrective Action

General inspection of the Deutsch connector that connects to the back of the ramp will show if the connector contains the white Deutsch plugs installed in the empty sockets and will determine if the connector shows signs of corrosion. Refer to Figures 3, 4 and 5. If the connector shows no sign of corrosion and does not have the white Deutsch plugs installed then installation of the white Deutsch plugs (P/N 14974) is only necessary as shown in Figures 4 and 5. If any connector shows signs of corrosion then the connector and Deutsch pins should be replaced.

Inspection and Installation

1. Disconnect power from the vehicle.
2. Locate and identify harness (P/N 28511 or 29620) that shows signs of corrosion on the Deutsch connector.
3. Disconnect corroded Deutsch connector.
4. Extract then strip corroded Deutsch pins from connector.
5. Install and crimp new Deutsch pins.
6. Insert new Deutsch pins with crimped wire into new Deutsch connector.
7. Reconnect harnesses.
8. Reconnect power to the vehicle.
9. Test ramp by running a few Deploy and Stow cycles to ensure ramp is working properly.

Parts Involved

Panel Mount Harness J1 (Enclosure)	Reference Only - P/N 29620
Control/Interface Harness	Reference Only - P/N 28511
Deutsch Plugs (White)	P/N 14974
Deutsch Pins	P/N 260011

Labor

Installation involves inspection, removal and re-installation of the Deutsch connector and Deutsch pins, which requires approximately 30 minutes for each connector that must be replaced.

APPENDIX



Figure 1: Deutsch Connector with Corrosion



Figure 2: Deutsch Pins with Corrosion



Figure 3: Deutsch Connector without Deutsch Plugs



Figure 4: Deutsch Connector with Deutsch Plugs

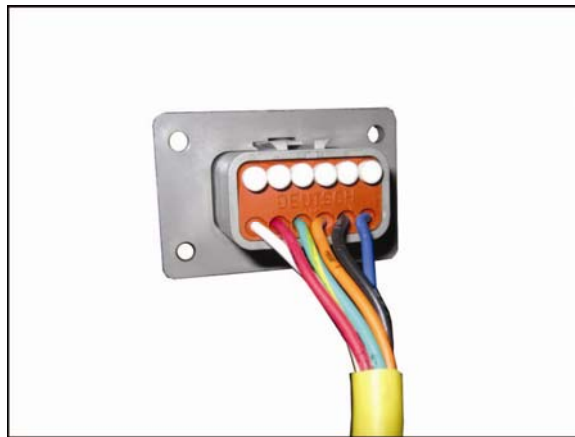


Figure 5: Deutsch Connector with Plugs