



## Technical Bulletin

### Interfacing the R•O•M Door Ajar Switch with Weldon Multiplexers

*Our Technical Bulletins are provided to inform you of design options, design improvements, standard sizes and changes, different models, applications, installation, operation and maintenance.*

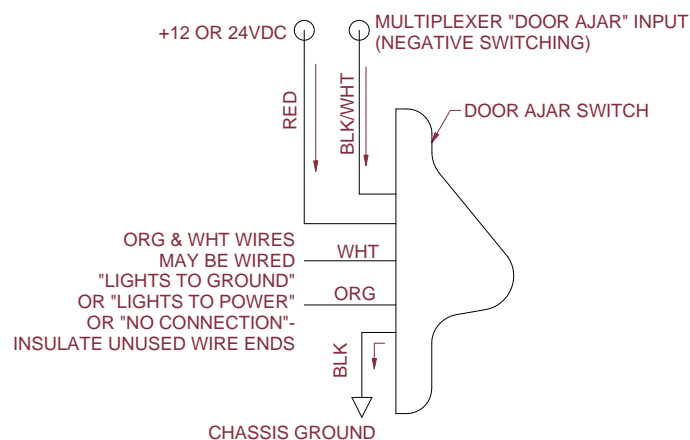
Please note that the following changes should be done only on inputs with malfunctioning Door Ajar Switches and only after all other circuit problems described in the DASS Troubleshooting Guide have been ruled out.

The R•O•M Door Ajar Switch is designed to work with a variety of vehicle control systems. If the Door Ajar Switch malfunctions on the vehicle but tests OK on the workbench, follow the DASS Troubleshooting Guide (FM-7.5-266) to rule out common problems. If malfunctions persist, especially in cold or wet weather, the setting of the Weldon Multiplexer node input should be checked. In interfacing with the Weldon family of multiplexers, node input settings are important. If the node input is programmed as “bi-directional”, the switch may give a false reading to the node and may result in a false “door ajar” indicator.

When a Door Ajar Switch is used, the node input should be programmed to “ground only”. Then connect the black with white stripe wire to this node.

The orange and white wires may be wired “lights to ground”, “lights to power”, or “no connection” per the vehicle’s requirements.

#### DOOR AJAR SWITCH INTERFACE WIRING WELDON MULTIPLEXERS



For field assistance regarding programming, please contact your vehicle manufacturer to confirm the Door Ajar inputs are set to “ground”.

**Please provide this information to your engineering, manufacturing, sales and marketing departments, and to your dealers.**

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