**best practice installation**

Best Practice Installation technical bulletins give tips to installers and maintenance engineers on how to get the best performance from the Microscan product range. Visit our website www.tljones.com for the full range of bulletins, data sheets, installation instructions, and other product information.

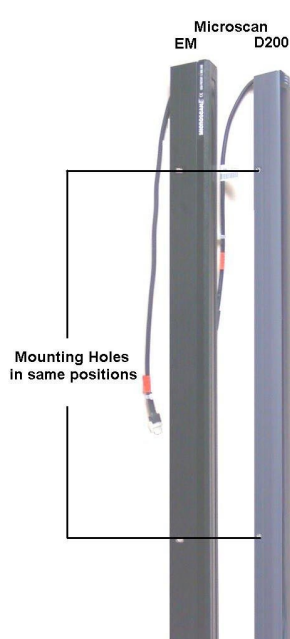
D200 Backwards Compatibility with EM & EM2 Models

You can directly replace the old EM (or EM2) sensor units with D200 sensors, without any modification to the power supply and cabling. This bulletin explains how to perform the upgrade.

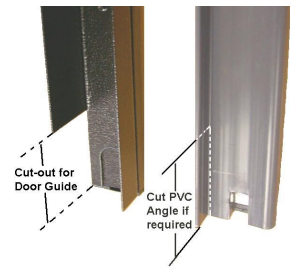
Note: Please note that D200 units with serial numbers within the following range are **not backwards compatible** with the EM or EM2 power supply units: SN#700000 – 702101.

1. Unplug the cables from the old transmitter and receiver sensor units.
2. Unscrew each unit from the elevator doors (or strike jamb).
3. Check the mounting positions:

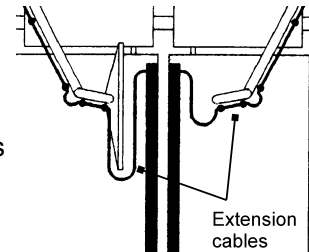
- **Drill Holes:** on some installations, you may need to re-drill holes. The mounting hole positions are at the same height on the old and new models, but the D200 is wider. Check the horizontal hole placement on the strike jamb.



- **Mounting Angles:** on some installations, you may need to cut out the sensor mounting angles to clear the bottom door guides.



- **Extension Cables:** on some installations, you may need to re-run the extension cables so that they fit.



4. Fix the new sensors into position, ensuring that they are aligned correctly (refer to the Installation Guide or Service Bulletins 40 or 41).

Note: Ensure that you correctly ground the D200 sensor units. Refer to the Installation Guide or Service Bulletin 44.

5. Plug the cables into the new transmitter and receiver units, and test operation.