



SER15-006  
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## SUBJECT: Integra Return Air Sensor

A design enhancement was applied to the return air sensors used on the Integra family of units to further improve the sensor reliability. This enhancement consists of utilizing a thicker glue layer and extending the length of the heat shrink sleeve on the sensor. The new sensor is fully backwards compatible into units in the field. See FIG.1 and FIG.2 for an example of the prior sensor and the enhanced sensor.



FIG.1

Sensor + heat shrink prior to serial number  
PC440298



FIG.2

Sensor with improved sealing & increased heat  
shrink length beginning with serial number  
PC440298

The specific component usage and corresponding part number change is shown in the table below.

| Unit Model*<br>see note below                | Sensor P/N<br>Prior to<br>PC440298 | Sensor P/N<br>Beginning with<br>PC440298 | Length<br>in. / mm. |
|----------------------------------------------|------------------------------------|------------------------------------------|---------------------|
| 30S (electric standby only)<br>40X/50X (all) | 22-60167-01                        | 22-60167-03                              | 23.62 / 600         |

The new sensor assembly incorporates a GREEN indicator dot on the heat shrink sleeve. This is an indicator to show the location to install the retaining clamp. Care should be taken to recognize this feature to ensure sensor reliability. See FIG.3 for clarification.



FIG. 3

**NOTE:** This sensor change this does not impact road only units utilizing the 12-00511-\*\* controller, these units utilize a different style of sensor.

Service Information  
TD (dealers only)