

PLACEMENT OF A MOISTURE VENT ON AN ENGINE CONTROL MODULE CONNECTOR



TASK

Assemble a vent which is permitting moisture flow in one direction onto an automotive engine control module connector.

CHALLENGES

- The vent's function is to release moisture from the engine control module. This requires complete "wet out" of the adhesive to avoid water pathway development and a bypass of the vent.
- Accuracy is essential to avoid a critical failure of the connector from moisture collection.
- The shape of the connector makes fixturing extremely difficult.

SOLUTION

- Model 1515
- Bench top configuration for semi-automatic operation
- Customized low durometer chuck
- Customized nest
- Set up dwell time

FEATURES & BENEFITS

- The Model 1515 is a compact, cost-effective solution meeting the customer's tolerance requirements of $\pm 0.006"$.
- The customized low durometer chuck in conjunction with a 1 second dwell time during placement ensures proper adhesion to the connector.
- The bench top platform consisting of a base with feet, built-in power supply, and 2-hand control provides a simple cost-effective solution that captures the quality benefits of automation.

