

HVAC Module & Actuator Calibration Procedure

Introduction

The Heating, Ventilation, and Air Conditioning (HVAC) Control Module performs a calibration of the HVAC actuators when the system is first powered up and is recalibrated every 100 key cycles. Actuators can also be manually recalibrated using this procedure.

Manual calibration must be performed at Key ON, Engine OFF (KOEO) and blower speed zero.

Warning: To prevent personal injury and / or death, always wear safe eye protection with side shields when performing vehicle maintenance.

Warning: To prevent personal injury and / or death, or damage to property, park vehicle on hard flat surface, shift transmission to Park or Neutral, turn the engine OFF, set parking brake, and install wheel chocks before performing diagnostic or service procedures.

Warning: To prevent personal injury and / or death, or damage to property, turn Key OFF and allow system to power off, before performing maintenance on vehicle components.

Special Tools

Electronic Service Tool (EST) with Diamond Logic® Builder (DLB) software - Navistar

Equipment Conditions

1. Vehicle parked on dry, level ground, parking brake set, transmission in Park or Neutral.
2. Key OFF.
3. Wheel chocks installed.

Procedure

1. Key ON, Engine OFF (KOEO).
2. Turn blower speed control to OFF.
3. Turn temperature control clockwise to full hot.
4. Turn mode control to defrost.
5. Press recirculation and MAX defrost buttons simultaneously for 5 seconds.
6. Connect Electronic Service Tool (EST) with Diamond Logic® Builder (DLB) software.
7. Clear Body Control Module (BCM) fault codes.
8. Cycle ignition Key OFF for 30 seconds.