



The Heart of the Unit: The ECU Single Zone

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Procedures Covered

“ Single depth ECU supports



Main Points

- “ ECUs must be in-line and centered in the cabinet
 - . Proper airflow
 - . Even mixing
 - . Reduction of hot spots across the cabinet
 - “ Check ECUs are correct
 - . Rear & Front intake ECUs are different
 - . Amount of cooling coils differs across the ECUs as well (4 vs. 2)
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ECU Positioning

- “ Entire intake should go directly into the ECU housing
 - . Tight connection to prevent air leakage
 - “ ECUs should be angled 1/8” away from the intake
 - . Stops water from running back into the intake and humidifying the incoming air
 - “ In line, centered in the cabinet
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When to Install ECUs

- “ ECU stands and ECUs may be installed any time after the header is locked into position
 - “ Recommended to do this early in the build process
 - . ECUs occupy a lot of space
 - . Remaining work can be done around the ECU
 - . Humidity system can then be installed at any point
 - “ On staged jobs (US/Canada), ECUs will be shipped later than the cabs & consoles
 - . Save room/reduce clutter on site
 - . Can recommend they stay in off-site location if available as well
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Single Depth ECU Supports: Front Air Intake

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Single Depth ECU Supports – What to Look For

- “ Base height off the air intake
 - . Front ECU stand first for the front intake cabinet
 - . Rear ECU stand first for the rear intake cabinet
 - “ 1/8” slope away from the air intake
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Single Depth ECU Supports - Procedure
