



BRAND

CHEVY IMPALA HVAC | HEAT VENT AIR CONDITION



RETRO-FUTURISM



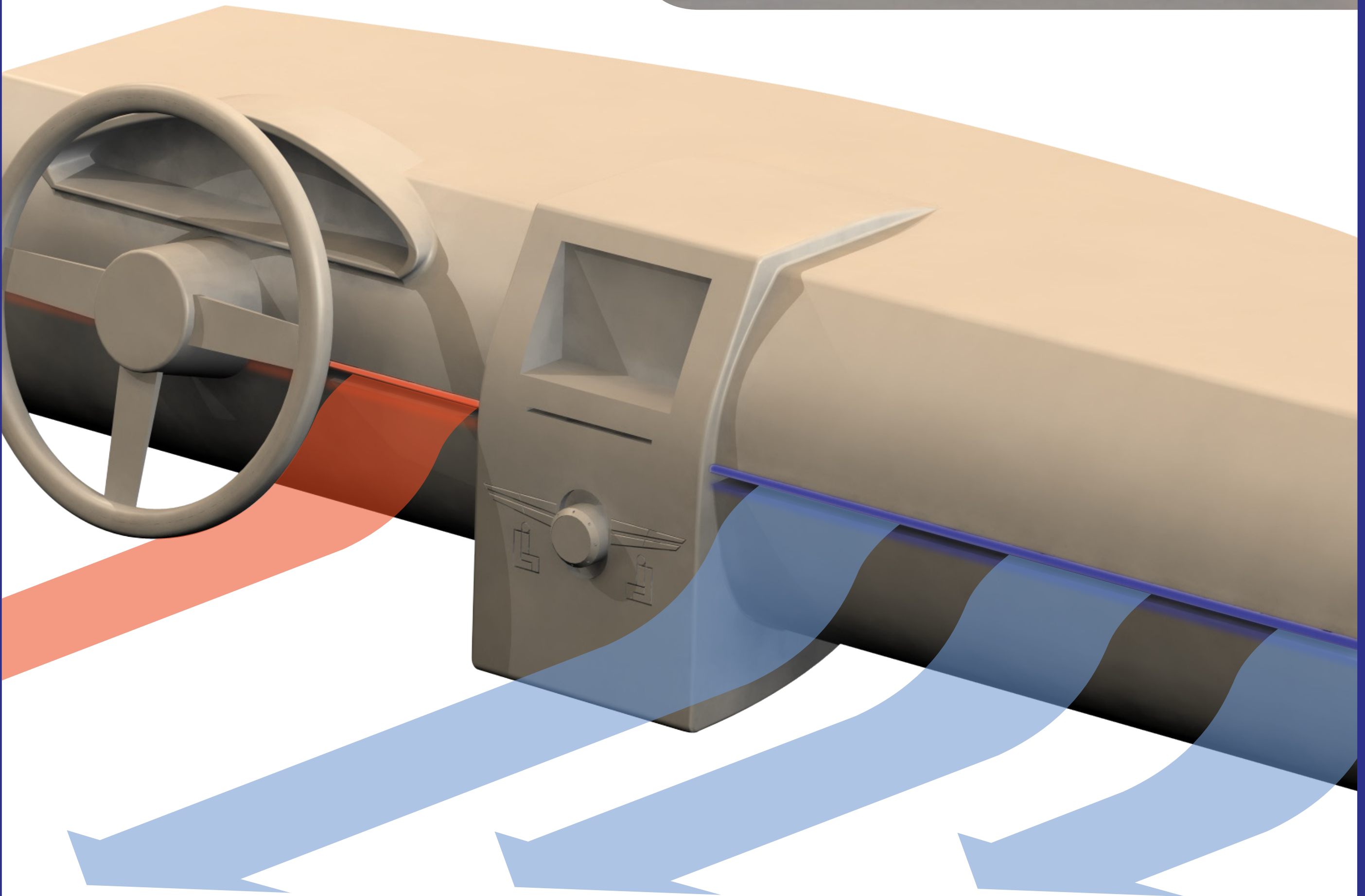
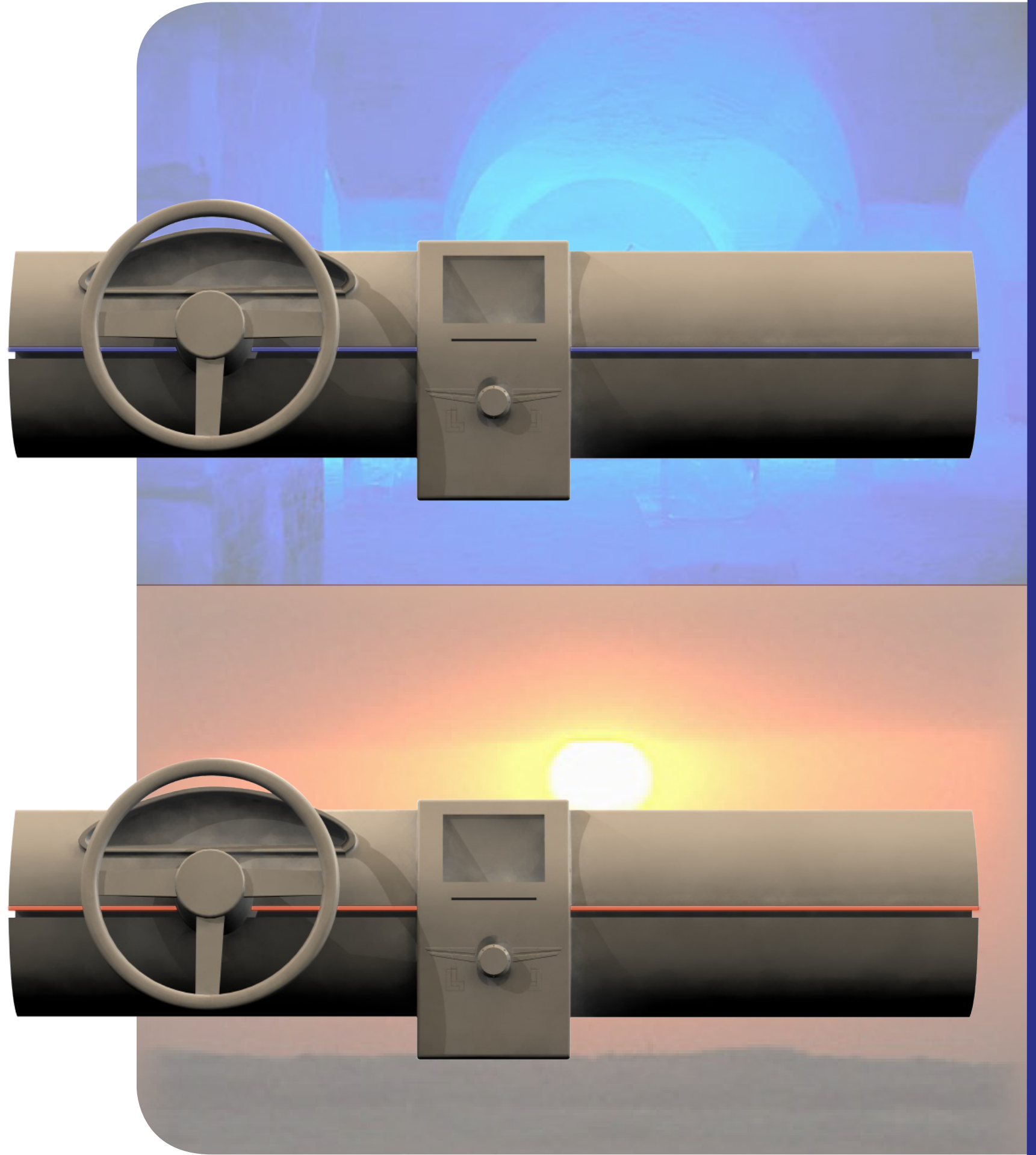
Impala has been traditionally known as the cool and masculine car, which has been a question with the current Impala models. By implementing design cues from the older successful models, the dashboard and HVAC control was transformed away from a dull interior interface into an exciting and visually interactive one. Specific design cues include Impala's airplane inspired body language and the interior streamline styling.



CONTEXT

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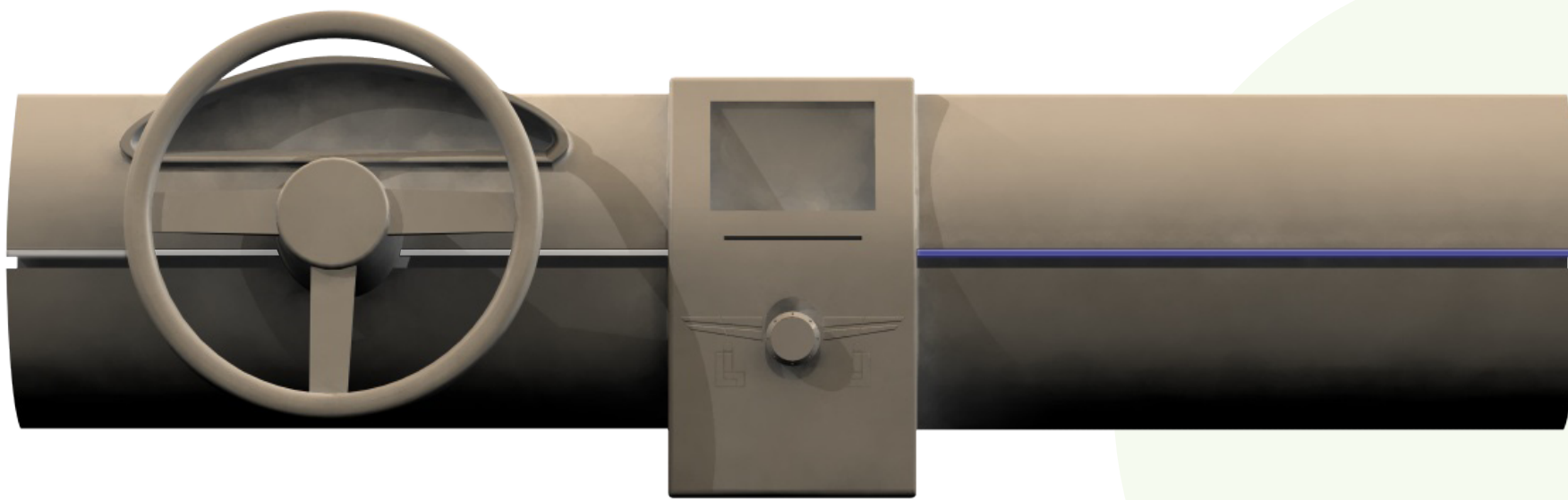
A line of vent exhaust runs across the entire front dashboard. The vent activates a line of optical fiber that also run along the dash with the vent. The optical fibers change color based on the temperature of air output. The HVAC interface is located on the center counsel and the center knob is designed so that it could be easily accessed while driving.





INTERACTION

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While the center knob interface controls the temperature and fan speed of the cabin, the "left" and "right" buttons control the output of the fan and temperature for the driver side and passenger side respectively. The "both" button controls both the driver and passenger side simultaneously. All of the buttons also have a strip of light that activates when the button is pressed.



The fan/vent direction is controlled by the user diagram.



Fan Intensity

Moving the self-centering knob up or down alters the fan speed. The three dots on the center screen give visual feedback.



Temperature

The self-centering knob is turned to change temperature according to the colored bar. Numeric feedback is shown on the center display.



PLATFORM

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Similarities within brand

	Chevrolet	Pontiac	Cadillac
Form		●	
Feel	●	●	
Material	●	●	●
Mechanic	●	●	●
Electronic	●	●	●
Position	●	●	●

The dots indicate which aspects of the control are shared amongst individual models within a brand.



This HVAC has been specifically designed for Chevrolet's Impala but can be easily used amongst all of GM's cars. The same mechanics, electronics of screen interface, and position can be used for all GM cars for cost efficiency. The form, feel, and material of the controls can be changed and arranged to be brand specific.