



**Challenger**

MC-5B

# MAINTENANCE MANUAL

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## BODY

### SIDEWALL CONSTRUCTION

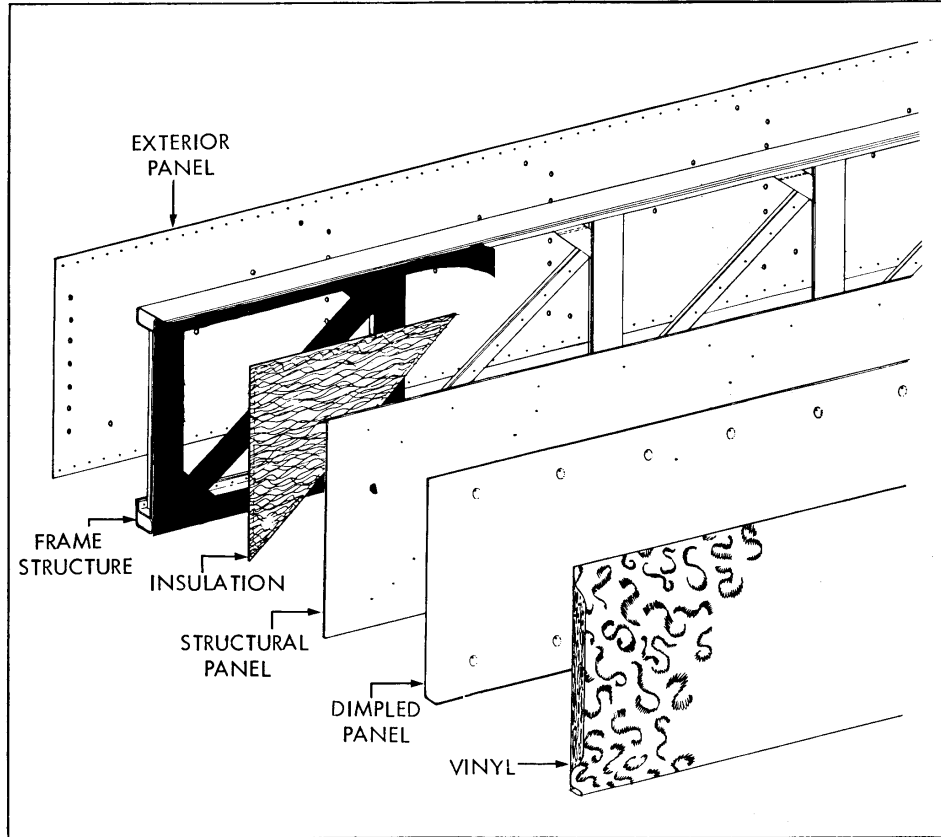
Construction of the coach sidewalls is shown below. The sidewall consists of a welded steel framework with a stainless steel or aluminum exterior panel, on aluminum structural inner panel and a second dimpled interior panel. The space between the interior structure and dimpled panels serves as a duct for the heating and air conditioning systems.

Panels are riveted to the frame structure. Presstite is used to separate panels from the steel framework.

### DESCRIPTION

Body construction is integral "monocoque" type, using fabricated alloy and stainless steel structural members, the latter at points in contact with road splash. The structure is welded together into a strong, lightweight unit properly reinforced at points of stress. Interior and exterior panelling, floor and bulkheads are rivetted to the framework.

Exterior panelling below the windows is a combination of anodized aluminum and stainless steel for sustained appearance, minimum maintenance, and resistance to corrosion. High tensile aluminum is used for the roof panels, pre-stretched on in-



SIDEWALL CONSTRUCTION