CAR BODY PRODUCTION (4 MONTHS)

The train’s body (side walls, roof, flooring, front and rear wall) is put together in several stages. After the side walls and flooring are welded together, a window and door are cut into the side walls (above). After the car body is welded together, staff take the completed car body to another facility to install the ceiling and lighting (below). The completed car body will be painted before it is sent for another test for assembly.

TRAIN ASSEMBLY (2 MONTHS)

Stage 1 (Pre-assembly)

Staff put together various components such as high-voltage cables, safety doors, windows, lighting and doors. These components will be installed on the train during the following stages.

Stage 2

The finished doors are installed, followed by the air-conditioning and above-the-train components.

Stage 3

The train cars are joined together with the train coupling (below) and the heating system and roof compartments are installed (above). The ceiling and lighting are also installed.

Stage 4

The interior walls are installed, along with the air-conditioning unit above the train.

Stage 5

Pneumatic systems, that aid in coupling trains up and down, are installed. Passenger seats, glass partitions and grab poles are installed.

Stage 6

Key components like brake systems are procured and fitted, and the train cars will begin after key tests are completed.

The completed car bodies will be transported to another facility for assembly.

Stage zero (Pre-assembly)

The completed car body will be painted before it is sent for another test for assembly.

Train systems tests, staff training ahead of Dec 22 launch day

By ROYSTON SIM

The operator received eight new trains from the construction firm that built them in China earlier this month, as operator SBS Transit ramps up for the Dec 22 opening. It is conducting several exercises to test its emergency plans and responses, as well as putting its operators through the paces in engineering, traffic control, train and station operations.

LTA senior group director for rail Sim Wee Meng said the additional three months allow for comprehensive tests so major issues can be resolved before the trains reach Singapore.

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