

Trainset production

Amtrak Acela intercity

Assembly starts with body-shells .

Trainset production.jpeg

Crews start on a power car (traction car / converter car etc.) installing the crash-management systems that look like bumpers . The driver's desk is assembled a few steps away . The workers put up a single-pane windshield .

Moving along the production line ,crews work on passenger cars adding windows before the station where the restrooms , air-conditioning systems and roof are mounted . Then they are ready to install the walls and carpet.

Every phase of production goes through an inspection involving independent quality control members.

Once a train has passed the inspection a thorough **functional testing begins** . Trains are put through testing in the ' operational ' mode **to simulate a train in service** .