

The process begins when **Receive Order** is conducted. Then, one of the following happens:

1. A **silent transition** immediately ends the process.
2. **Inform Storehouse and Engineering Department** is executed, splitting the process into two parallel branches:

**Branch 1 (Quality Control):**

- A **silent transition** occurs.
- **Check Part Quality** is conducted.
- If needed, either **Back-order Part** or **Reserve Part** is performed.
- A **silent transition** leads to **Assemble Bicycle**.

**Branch 2 (Preparation):**

- **Prepare for Assembling** is conducted.
- **Assemble Bicycle** is executed.

After both branches finish assembling, **Ship Bicycle to Customer** is done, and the process ends.

**Key details:**

- The silent transition after **Receive Order** allows the process to terminate early.
- **Check Part Quality** and **Prepare for Assembling** occur *simultaneously* in separate branches.
- If parts fail quality checks, **Back-order Part** or **Reserve Part** must be completed before proceeding.
- Silent transitions guide the flow between steps without visible actions.
- All paths merge at **Assemble Bicycle**, ensuring assembly is completed before shipping.