```
         ┌──────────┐
        (    Start    )
         └──────────┘
              │
              ▼
   ┌──┬──────────────┬──┐
   │  │ Acquire Raw  │  │ ◄──────────────────────────┐
   │  │  Materials   │  │ ◄──────────────┐           │
   └──┴──────────────┴──┘                │           │
              │                          │           │
              ▼                          │           │
           ◇──────◇                      │           │
          ╱        ╲                     │           │
         ╱ Are all   ╲       No          │           │
        ◇  the raw    ◇──────────────────┘           │
         ╲ materials ╱                               │
          ╲ present?╱                                │
           ◇──────◇                                  │
              │                                      │
             Yes                                     │
              │                                      │
              ▼                                      │
   ┌──┬──────────────┬──┐                            │
   │  │ Assemble the │  │                            │
   │  │ car's body   │  │ ◄──────────────┐           │
   │  │ frame and    │  │                │           │
   │  │ install the  │  │                │           │
   │  │ engine &     │  │                │           │
   │  │ transmission │  │                │           │
   └──┴──────────────┴──┘                │           │
              │                          │           │
              ▼                          │           │
           ◇──────◇                      │           │
          ╱        ╲                     │           │
         ╱ Are the   ╲                   │           │
        ◇ body frames,◇      No          │           │
        ◇  engine and ◇──────────────────┘           │
         ╲transmission╱                               │
          ╲assemled & ╱                               │
          ╲installed?╱                                │
           ◇──────◇                                  │
              │                                      │
             Yes                                     │
              │                                      │
              ▼                                      │
   ┌──┬──────────────┬──┐                            │
   │  │ Paint the    │  │                            │
   │  │ exterior of  │  │ ◄──────────────┐           │
   │  │ the car      │  │                │           │
   └──┴──────────────┴──┘                │           │
              │                          │           │
              ▼                          │           │
           ◇──────◇                      │           │
          ╱        ╲                     │           │
         ╱ Is the    ╲       No          │           │
        ◇ paint of the◇──────────────────┘           │
         ╲ car done? ╱                                │
          ◇──────◇                                   │
              │                                      │
             Yes                                     │
              │                                      │
              ▼                                      │
   ┌──┬──────────────┬──┐                            │
   │  │ Fill the car │  │                            │
   │  │ with seats   │  │ ◄──────────────┐           │
   │  │ and dashboard│  │                            │
   │  │ & install the│  │                            │
   │  │ electrical   │  │                            │
   │  │ system       │  │                            │
   └──┴──────────────┴──┘                            │
```

- Start
- Acquire Raw Materials
- Are all the raw materials present? — No / Yes
- Assemble the car's body frame and install the engine & transmission
- Are the body frames, engine and transmission assemled & installed? — No / Yes
- Paint the exterior of the car
- Is the paint of the car done? — No / Yes
- Fill the car with seats and dashboard & install the electrical system

Is the interior with electrical system installed properly?

No

Yes

Conduct safety and performance tests for the car

No

Are all tests passed by the car?

No

Yes

Package and ship the car to the customer

No

Has the car been packaged and shipped?

No

Yes

Anymore cars to be manufactured?

Yes

No

End

① **Acquire Raw Materials**

↓

INPUT all the necessary raw materials

↓

EXIT

② **Assemble the car's body frame & install engine and transmission**

↓

INPUT framework, engine and transmission

↓

EXIT

③ **Paint the exterior of the car**

↓

INPUT colour that is to be used as paint

↓

EXIT

④ **Fill the car with seats and dashboard & install the electrical system**

↓

INPUT seats, dashboard, electrical wires, A.C system, radio

↓

EXIT

⑤ **Conduct safety & performance tests for the car**

↓

INPUT perform safety and performance tests for the car

↓

EXIT

⑥ **Package and ship the car to the customer**

↓

INPUT packaging and shipment

↓

EXIT