A0: Assemble widgets

Node: C2
Title: A0: Assemble widgets
Number: Pg 2
Node: C4  Title: A1: Restock parts  Number: Pg 3

Repository: IDEF0 Process Analysis & Modeling; Date: 10/9/2009

For Official Use Only
Node: C3  Title: A3: Assemble parts

C4 C1 C2 C3

~ Widget orders
~ Worker factors
~ Environment factors

~ Widget assembly procedure

I2 Widgets for rework

I1 Parts for widgets

Hold widget base for assembly

Held bases

Widget fixture

Position parts in place

Positioned parts

Other widget parts

Wrenches & screwdrivers

Secure parts to base

Widget fasteners

Wrenches & screwdrivers

Release assembled widget

Assembled widgets O1

Held, assembled widgets

~ Assembly tools & equipment

~ Worker

M1 M2

Other nodes:

A31

A32

A33

A34

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Assembled widgets

Install widgets in test fixture

Verify part locations, orientations

Verify fasteners & tightness

Perform functional test

Widgets in test fixture

Widgets passing part inspection

Widgets passing fastener inspection

Test fixture

Inspection tools

Widgets passing part inspection

Completed widgets

Defective widgets

Inspection tools & equipment

Worker

Test fixture

Inspection tools

Test fixture

Inspection tools

Test fixture

Inspection tools

Test fixture

Inspection tools

Test fixture

Inspection tools