

FAST TRACK FACTORY

Graphic Assembly Guide



Mass Production Process

-  Wheel Assembly
-  Base Assembly
-  Front-End Assembly
-  Steering Wheel Assembly
-  Rear-End Assembly
-  Roof Assembly



Station Instructions for Assembly

Print Packet for
stations or cut
individuals out
for stations

Mass Production Assembly Instructions

PRINT out each set of Station Instructions (Some can be cut smaller, hence dotted line)
PLACE cut slips of paper at the correct Station Locations.

Station 1

Wheel Assembly

Small Soft Wheels

Tires (2x) - 2 Small Soft Wheels

(2x) - (1) Two-Sided Axles
COUPE

Step 1: Wheel / Axle Assembly

2X



Step 2: Coupled Axle Assembly

2X



Cut Along Dotted Line

Medium Soft Wheels SEDAN

Solid Hard Wheels VAN

Wheel: (4x) and Flat: (2x) 2 x 2
One-Sided Axle (4x)

4X



2X



2x2 Flat →

Station 2

Step 1: Select
Base Components

Step 2:
Base Assembly

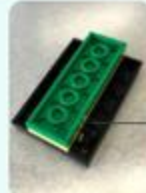
Step 3:
Base / Wheel Assembly

Cut Along Dotted Line

Small Soft Wheels

Plates: (2) - 2 x 6 and (1) - 4 x 6

COUPE



Solid Hard Wheels

Plates: (2) - 2 x 2 and (2) - 2 x 8

SEDAN



Medium Soft Wheels

Plates: (2) - 2 x 10 and (1) - 2 x 6

VAN



Station 3

Front - End Assembly

Small Soft Wheels

Bricks: (2) - 1 x 1 and (1) - 1 x 4
(3) - 1 x 2 and 1 Windshield

COUPE

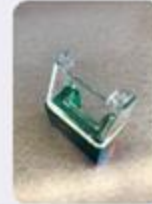
Step 1: Front-End
Components



Step 2: Front-End
Layer Assembly



Step 3: Front-End
Windshield Assembly



Step 3: Front-End to
Base/Wheel Assembly



Solid Hard Wheels

Bricks: (3) 1 x 2
Slopes: (2) - 1 x 2
Slopes: (2) - 2 x 2 and 1 Windshield
SEDAN



Medium Soft Wheels

Bricks: (1) - 1 x 4 and (2) - 1 x 3
Slopes (2) - 1 x 2 and (2) - 2 x 2
1 Windshield
VAN



Station 4

Step 1: Steering Wheel Components

Step 2: Steering Wheel Assembly

Small Soft Wheels

1-Steering Wheel

COUPE



Solid Hard Wheels

1-Steering Wheel

SEDAN



Medium Soft Wheels

1-Steering Wheel

VAN



Cut Along Dotted Line

Station 5

Rear-End Assembly

Step 1: Front to
Rear- End Components

Step 2: Rear-End
Assembly Base

Step 3: Rear End to
Base/Wheel to
Front-End Assembly

Small Soft Wheels

Bricks: (1) - 1 x 4 and (4) - 1 x 1
open slopes: (2) - 1 x 2

COUPE



Solid Hard Wheels

Bricks: (1) - 1 x 4 and (4) - 1 x 1
open slopes: (2) - 1 x 2

SEDAN



Medium Soft Wheels

Bricks: (2x) (2) - 1 x 3
(3) - 1 x 2 and (1) - 1 x 4

VAN



2X



Cut Along Dotted Line

Station 6

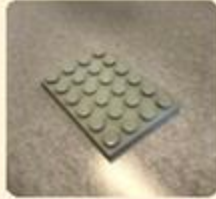
Roof Assembly

Small Soft Wheels

Plate: (1) - 4 x 6

COUPE

Step 1: Roof Components



Step 2: Roof Assembly



Solid Hard Wheels

Plate: (1) - 4 x 6

SEDAN



Medium Soft Wheels

Plate: (2) - 2 x 8

VAN



Cut Along Dotted Line



Quality Engineer: Initial Inspection Testing



Step 1:

- ☐ Manufacturing engineers deliver the finished product.
- ☐ Start Recording Time
- ☐ Inspect the vehicle to see if it matches the design from this guide.
- ☐ Mark Accept or Reject on the form

Step 2:



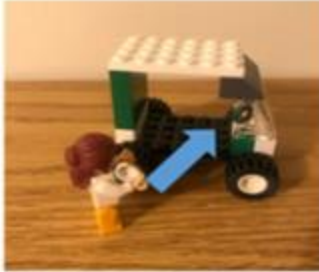
INSPECTION OF VEHICLE		TEST
Appearance match the design?		
Accept	☐	
Reject	☐	

- ☐ If Accepted, send for further testing and DO NOT END TIME.
- ☐ If Rejected, record end for inspection time and send car back to manufacturing engineer.

Quality Engineer: Testing Instructions if Vehicle passes Initial Inspection

Tester WIS

Step 1: Add a Driver



Step 2: Evaluate on a Ramped Surface

Note: Compress cars to ensure all blocks are secure and intact prior to testing.



Pass:

- All components and driver remain intact.
- Continue to Drop Test

Fail:

- Some components are damaged and ejected.
- Mark as Rework
- Deliver Car to Rework Area

Step 3: Remove Driver From Car



Step 4: Perform Drop Test

Note: Top of roof is level with top of drop box.



Pass:

- All components remain intact.
- Mark as Pass.
- Deliver Car to Inventory.

Fail:

- Some components are damaged and ejected.
- Mark as Scrap
- Deliver Car to Scrap Area.