# y Susan Hatfield & Liz Popelka-Brown, RET 2025

### **ASSEMBLY SLIPS**

Coupe

Cut along dotted lines and place at each Mass Production Station for Assembly

Coupe #\_\_\_\_Station 1 Components
Item

4 small soft tires
2 two-sided axles

OR

Station 2 Components
Item

Flat 2 x 6

Flat 2 x 6

Flat 4 x 6

Lapse Time:

Coupe # \_\_\_\_\_Station 3 Components
Item

Flat 2 x 6

Flat 2 x 6

Flat 4 x 6

Lapse Time: \_\_\_\_\_

Coupe # \_\_\_\_ Station 4 Components Item Steering wheel

Lapse Time:

4 one-sided axles

Lapse Time:

Coupe # \_\_\_\_\_
Station 5 Components
Item

Brick 1 x 1
Brick 1 x 1
Brick 1 x 1
Brick 1 x 1
Brick 1 x 4
Slope Open 1 x 2
Slope Open 1 x 2
Lapse Time:

Coupe # \_\_\_\_ Station 6 Components Item Flat 4 x 6

Quality Testing

Coupe #\_

Vehicle Inspection (Graphic Assembly Guide)

Pass

Fail

Ramp Test

(Stays on ramp and crosses the finish line fully intact)

Pass

Fail

Drop Test (Lands fully intact)

**T** Fail

Pass





## ated by Susan Hatfield & Liz Popelka-Brown, RET 2025

## **ASSEMBLY SLIPS**

Sedan

Cut along dotted lines and place at each Mass Production Station for Assembly

Sedan#
Station 1 Components

Item

4 solid hard tires

4 one-sided axles

Flat  $2 \times 2$ 

Flat  $2 \times 2$ 

Lapse Time:

Sedan #

Station 2 Components

**Item** 

Flat  $2 \times 8$ 

Flat  $2 \times 8$ 

Flat  $2 \times 2$ 

Flat  $2 \times 2$ 

Lapse Time:\_\_\_\_

Sedan #

Station 3 Components

**Item** 

Brick 1 x 2

Brick 1 x 2

Brick 1 x 2

Windshield 2 x 4

Slope 2 x 2

Slope 2 x 2

Slope  $1 \times 2$ 

Slope 1 x 2

Lapse Time:

Sedan #

Station 4 Components

**Item** 

Steering wheel

Lapse Time:

Sedan #

Station 5 Components

**Item** 

Brick 1 x 1

Brick 1 x 1

Brick 1 x 1

Brick 1 x 1

Brick 1 x 4

Slope Open 1 x 2

Slope Open 1 x 2

Lapse Time:

Sedan # \_\_\_\_

Station 6 Components

**Item** 

Flat  $4 \times 6$ 

Lapse Time:

Quality Testing

Sedan #

Vehicle Inspection
(Graphic Assembly Guide)

Pass

Fail

Ramp Test

(Stays on ramp and crosses the finish line fully intact)

Pass

Fail

Drop Test

(Lands fully intact)

Pass

**T** Fail

BROUGHT TO YOU





## reated by Susan Hatfield & Liz Popelka-Brown, RET 2025

## **ASSEMBLY SLIPS**

Van

Cut along dotted lines and place at each Mass Production Station for Assembly

Van#\_\_\_\_ Station 1 Components Item

4 medium soft tires

4 one-sided axles

Flat  $2 \times 2$ 

Flat  $2 \times 2$ 

Lapse Time:

Van # \_\_\_\_ Station 2 Components Item

Flat  $2 \times 10$ 

Flat  $2 \times 10$ 

Flat 2 x 6

Lapse Time:

Van # \_\_\_\_ Station 3 Components Item

> Brick 1 x 3 Brick 1 x 3

Brick 1 x 4

Windshield  $2 \times 4$ 

Slope 2 x 2

Slope  $2 \times 2$ 

Slope  $1 \times 2$ 

Slope 1 x 2

Lapse Time:

Van # \_\_\_\_ Station 4 Components Item

Steering wheel

Lapse Time: \_\_\_

Van #

Station 5 Components

**Item** 

Brick 1 x 2 Brick 1 x 3

Brick 1 x 2 Brick 1 x 3

Brick 1 x 2 Brick 1 x 3 Brick 1 x 2 Brick 1 x 3

Brick 1 x 2 Brick 1 x 4

Brick 1 x 2

Lapse Time:

Van # \_\_\_\_\_Station 6 Components

Flat  $4 \times 8$  **OR** Flat  $2 \times 8$  Flat  $2 \times 8$ 

Lapse Time:

Quality Testing

Van #

Vehicle Inspection
(Graphic Assembly Guide)

Pass

Fail

Ramp Test

(Stays on ramp and crosses the finish line fully intact)

Pass

Brick 1 x 4

Fail

Drop Test

(Lands fully intact)

Fail

Pass







## **ASSEMBLY SLIPS**

Coupe

Cut along dotted lines & add parts required based upon your proposed revisions

Coupe# Station 1 Components Item	Coupe # Station 2 Components Item	Coupe #Station 3 Components   Item
Lapse Time:	Lapse Time:	Lapse Time:
Coupe # Station 4 Components Item	Coupe # Station 5 Components Item	Coupe # Station 6 Components Item
Lapse Time:	Lapse Time:	Lapse Time:
	cle Inspection nic Assembly Guide)  Pass  Ramp Test (Stays on ramp of finish line fully intact Pass	

Fail

TEACHENGINEERING.ORG

Fail



## **ASSEMBLY SLIPS**

Sedan

Cut along dotted lines & add parts required based upon your proposed revisions

Sedan# Station 1 Components Item	Sedan # Station 2 Components Item	Sedan #Station 3 Components   Item
Sedan #Station 4 Components   Item	Lapse Time:  Sedan #  Station 5 Components  Item	Lapse Time:  Sedan #  Station 6 Components  Item
Sedan # (Graphic As	Lapse Time:  Inspection (Stays on ramp and crafinish line fully intact)  Pass  Pass	Lapse Time:  Drop Test (Lands fully intact) Pass Fail

Fail



Fail

## ASSEMBLY SLIPS

Van

Cut along dotted lines & add parts required based upon your proposed revisions

Van# \_\_\_\_ Station 1 Components **Item** Lapse Time: \_\_\_

Van # \_\_\_\_\_ Station 2 Components Item

Van # \_\_\_\_ Station 3 Components **Item** 

Lapse Time:

Lapse Time:

Van # \_\_\_\_ Station 4 Components

ltem

Van # \_\_\_\_ Station 5 Components **Item** 

Van # \_\_\_\_ Station 6 Components **Item** 

Lapse Time:

Lapse Time:

Lapse Time: \_\_\_\_\_

Quality Testing

Van #

Vehicle Inspection (Graphic Assembly Guide)

Pass

Fail

Ramp Test

(Stays on ramp and crosses the finish line fully intact)

Pass

Fail

Drop Test (Lands fully intact)

Fail

Pass





