

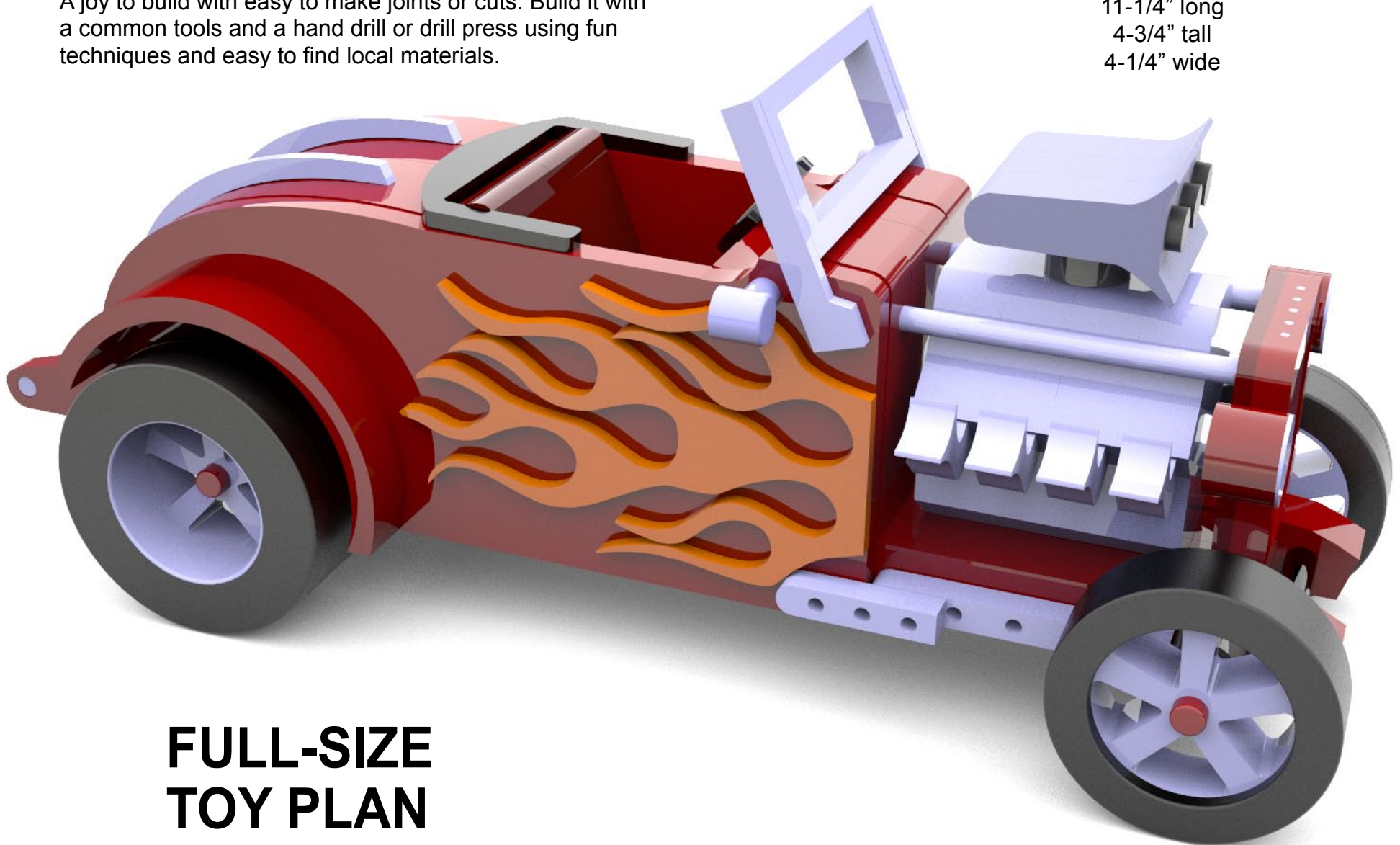


Osni Chioveto's 1931

Hot Rod Ford Roadster

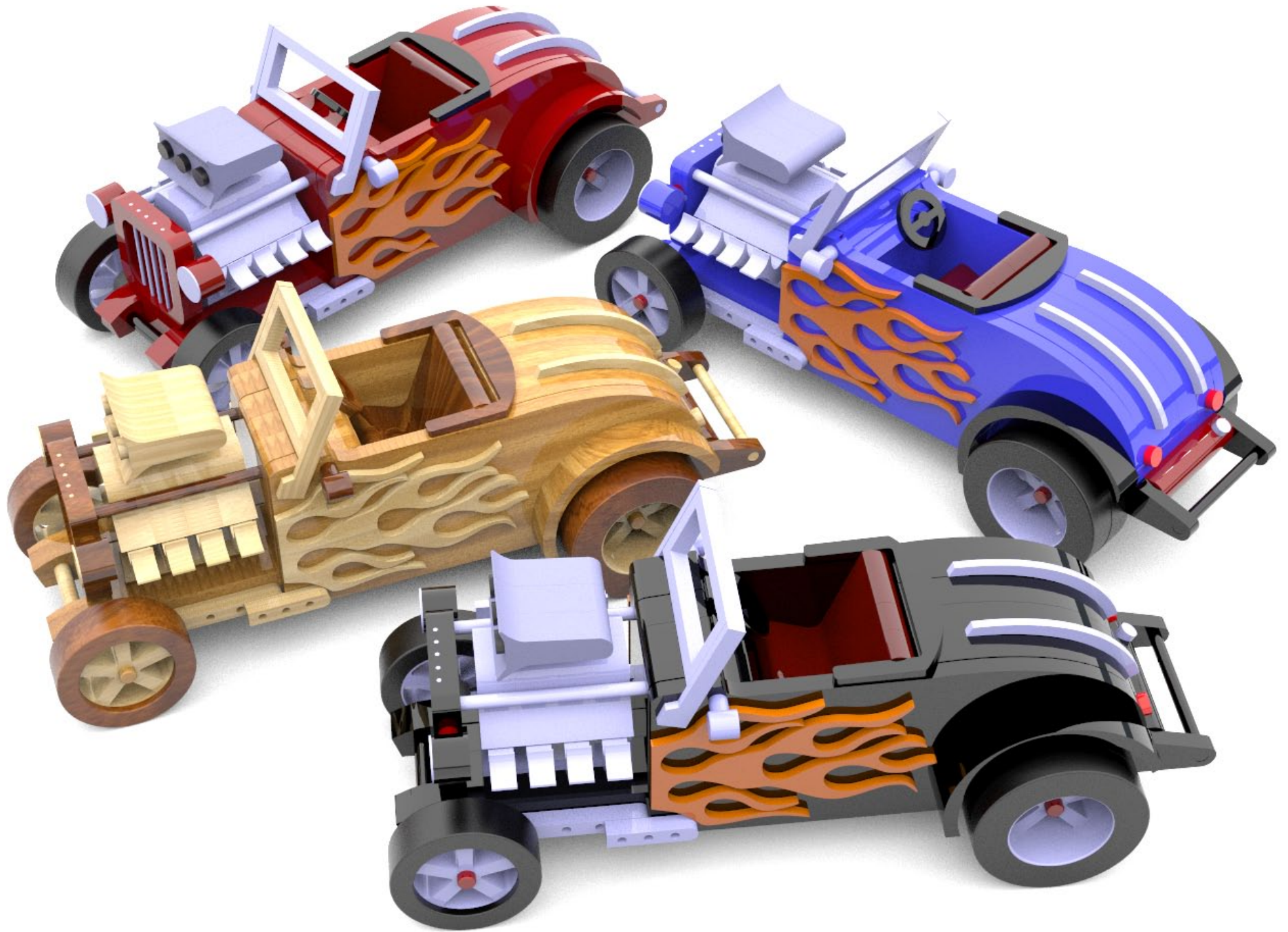
A joy to build with easy to make joints or cuts. Build it with a common tools and a hand drill or drill press using fun techniques and easy to find local materials.

11-1/4" long
4-3/4" tall
4-1/4" wide



**FULL-SIZE
TOY PLAN**

Osni Chioveto's 1931
Hot Rod Ford Roadster



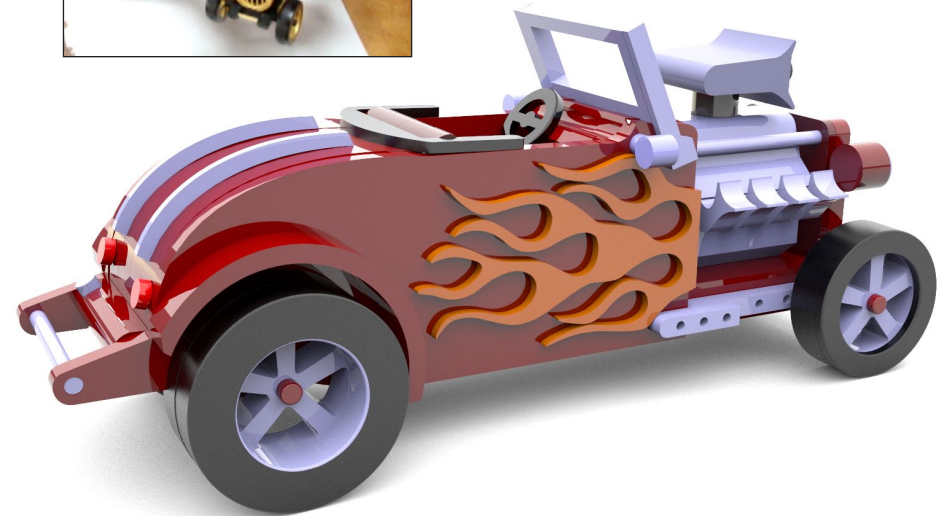


Osni Chioveto's 1931

Hot Rod Ford Roadster

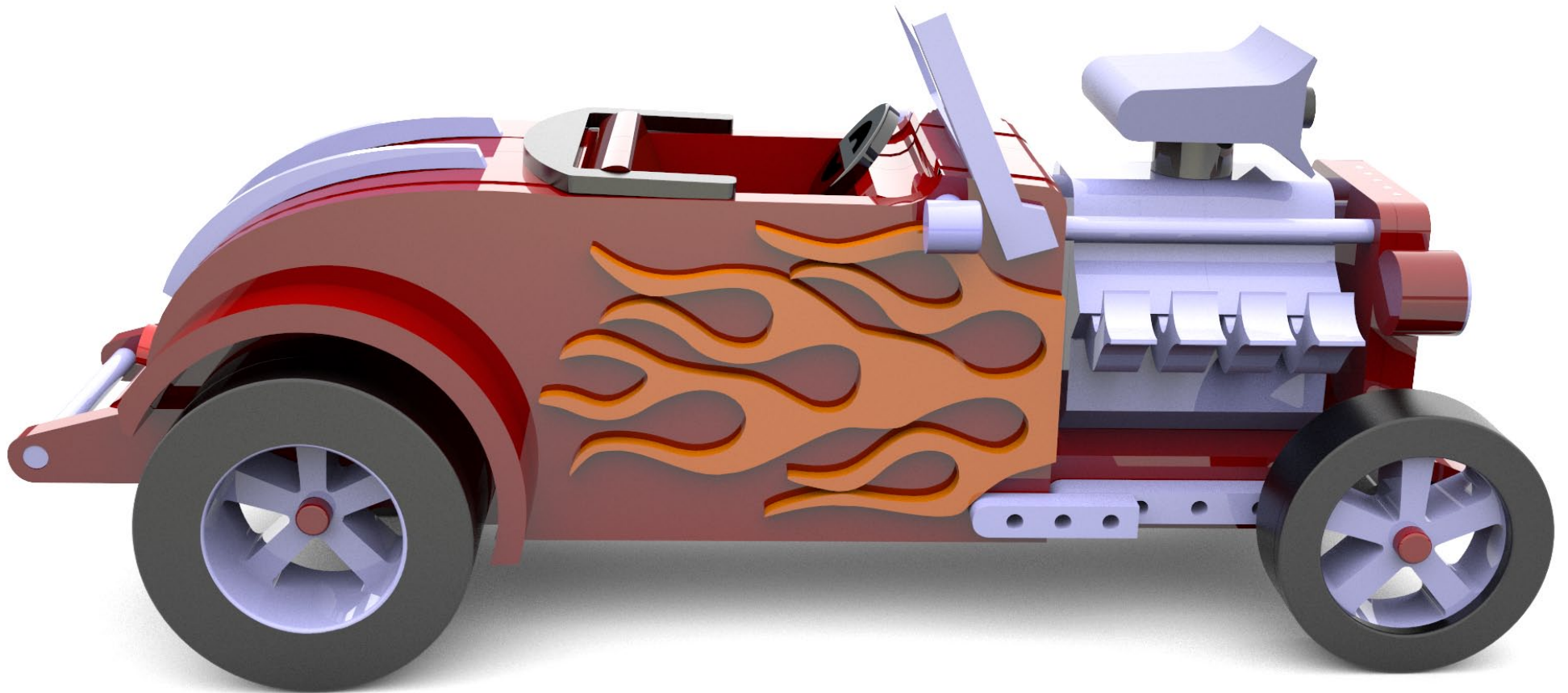


FULL-SIZE TOY PLAN

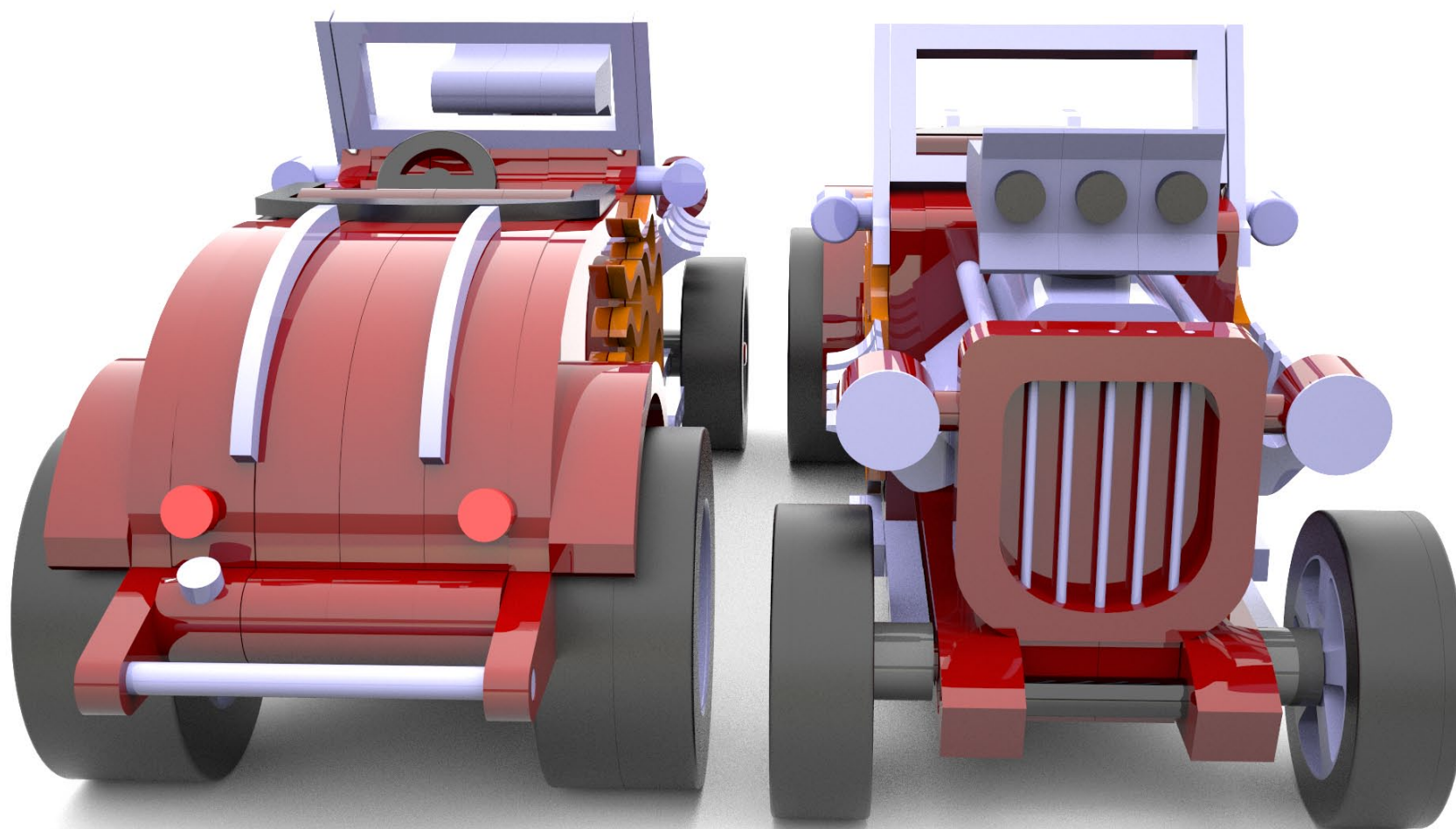


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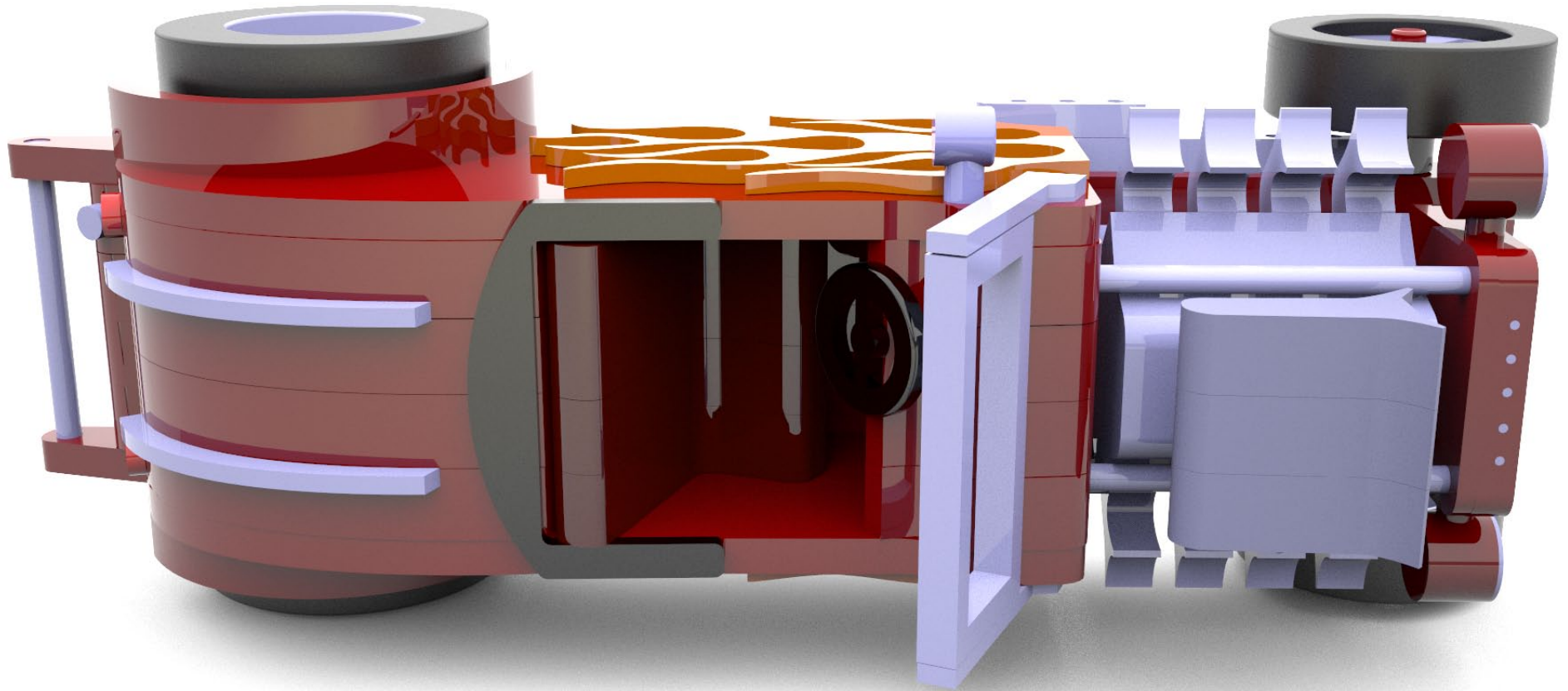
Osni Chioveto's 1931
Hot Rod Ford Roadster

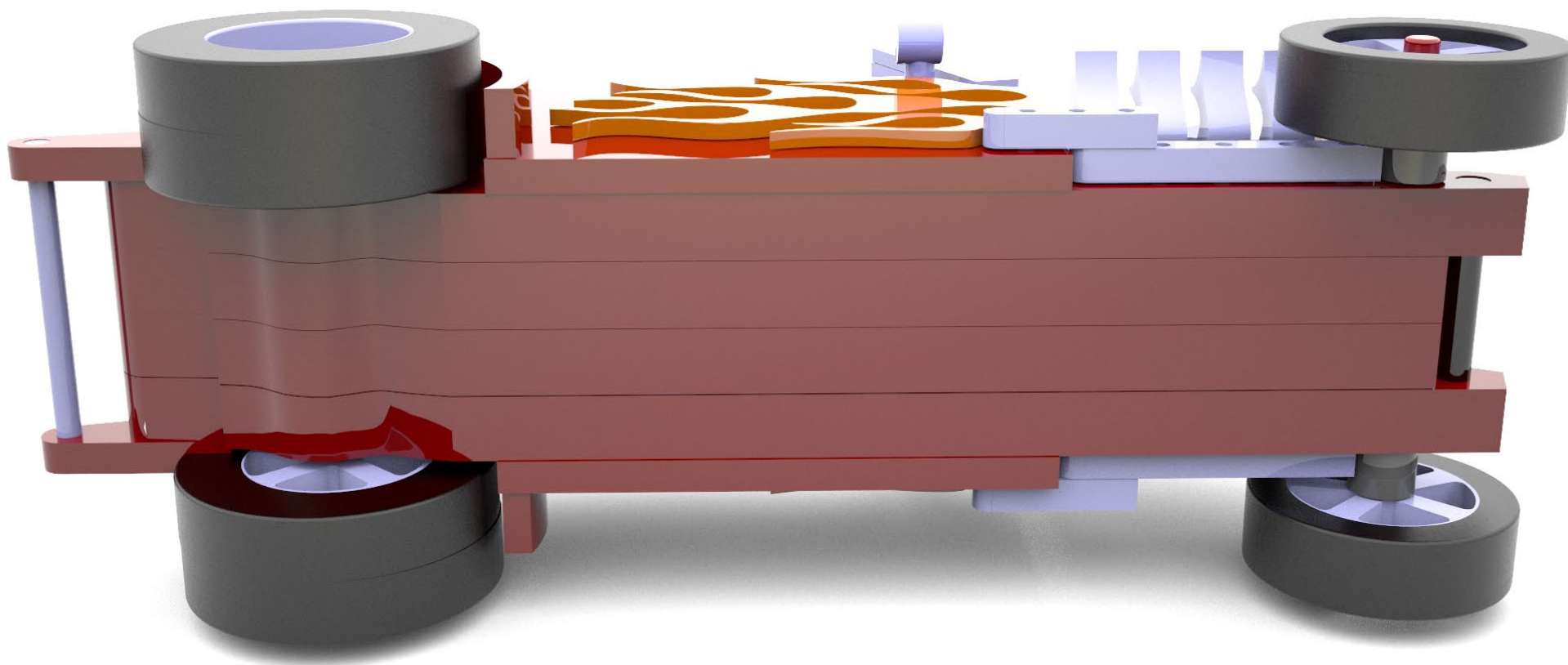


Painted toys are built from MDF or fine-grained hardwoods for the smoothest finish. Finish is spray can Rust-Oleum or Krylon white primer and color glosses. Krylon brush-on Color Creations also works well. With both types of paint, apply 2 coats of primer sanding each coat with 220 sandpaper when dry. Apply 3 coats of color sanding with 400 sandpaper when dry. Apply final coat of Krylon Triple Thick Clear. All Krylon paints and finishes are non-toxic when dry.



Osni Chioveto's 1931
Hot Rod Ford Roadster

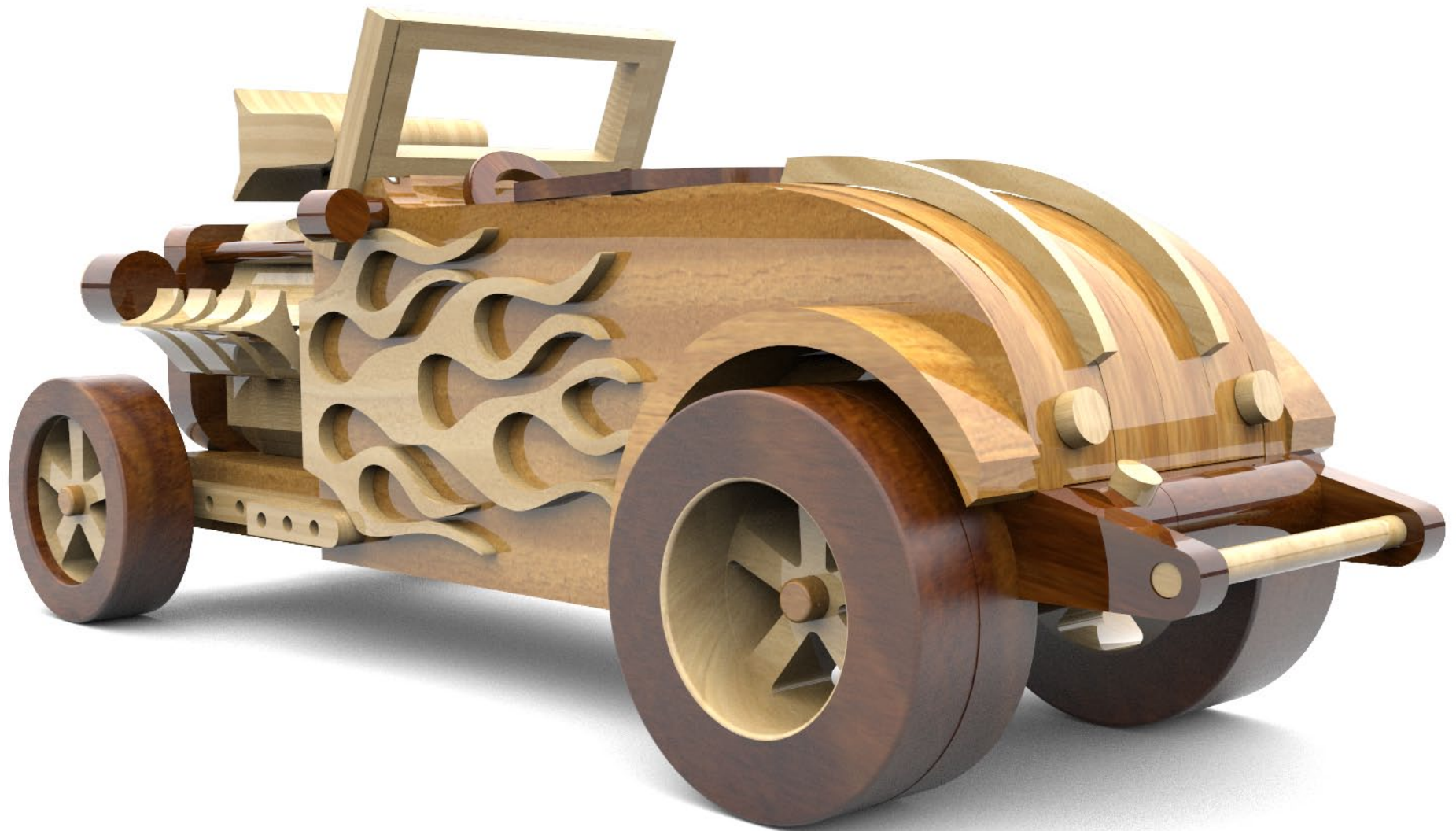




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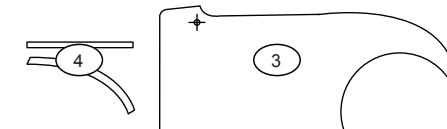
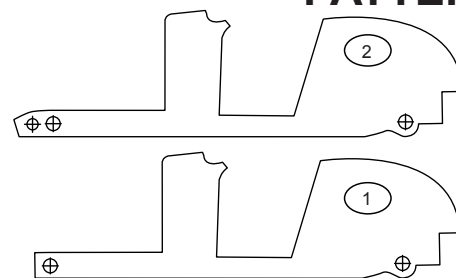




Hot Rod Ford Roadster**PARTS LIST**

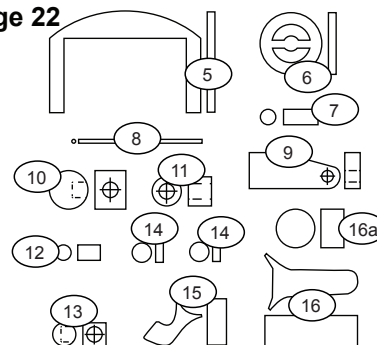
1.	1/2" x 2-7/8" x 10-1/8"	make 2
2.	1/2" x 2-7/8" x 9-1/2"	make 2
3.	1/4" x 2-3/4" x 6-11/16"	make 2
4.	1/8" x 5/8" x 2-5/8"	make 2
5.	1/8" x 1-11/16" x 2-1/2"	make 1
6.	1" diameter x 1/8"	make 1
7.	1/4" diameter x 9/16"	make 4
8.	1/8" diameter x 2"	make 5
9.	1/4" x 5/8" x 1-1/2"	make 2
10.	5/8" diameter x 1/2"	make 2
11.	1/2" diameter x 3/8"	make 2
12.	1/4" diameter x 3/8"	make 1
13.	3/8" diameter x 3/8"	make 2
14.	5/16" diameter x 1/8"	make 5
15.	5/16" x 3/4" x 1"	make 8
16.	1/2" x 1" x 1-1/2"	make 3
16a.	5/8" diameter x 3/8"	make 1
17.	1/4" x 1-1/4" x 2-1/2"	make 1
18.	1/4" diameter x 2-1/16"	make 1
18a.	3/16" diameter x 2-9/16"	make 1
19.	1/4" diameter x 3-1/2"	make 1
19a.	1/4" diameter x 4"	make 1
20.	1/2" x 2" x 2"	make 4
21.	1/4" x 1-13/16" x 2"	make 1
22.	3/16" diameter x 2-5/8"	make 2
23.	1/8" x 1-7/8" x 2"	make 1
24.	1/2" x 1-13/16" x 2-3/8"	make 4
25.	1/4" x 1/4" x 1-1/4"	make 2
26.	1/4" x 1/4" x 2-1/4"	make 2
27.	1/8" x 2-1/4" x 3-11/16"	make 2
28.	1/2" x 1-9/16" x 3-1/16"	make 2
29.	1/2" x 9/16" x 7/8"	make 4
30.	1/8" x 7/16" x 1-15/16"	make 2
31.	2-3/8" diameter x 1/2"	make 2
32.	2" diameter x 1/8"	make 2
33.	2-3/8" diameter x 1/2"	make 2
34.	2" diameter x 1/2"	make 2

page 20

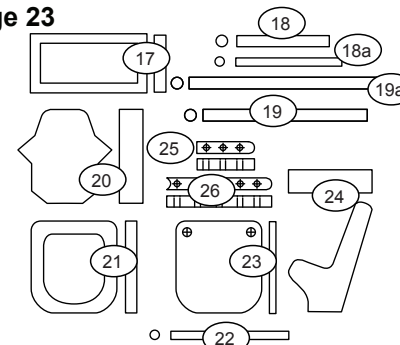
PATTERNS INDEX

page 21

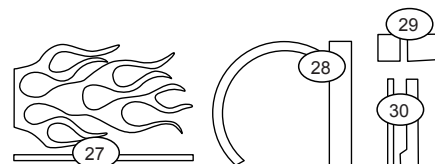
page 22



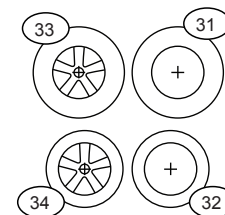
page 23



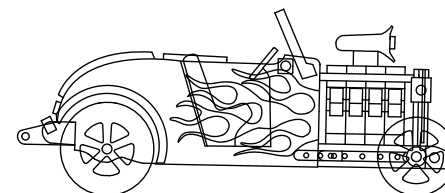
page 24



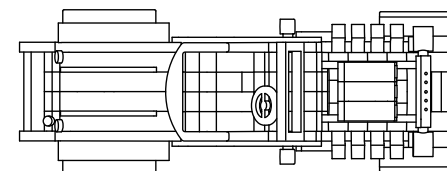
page 25

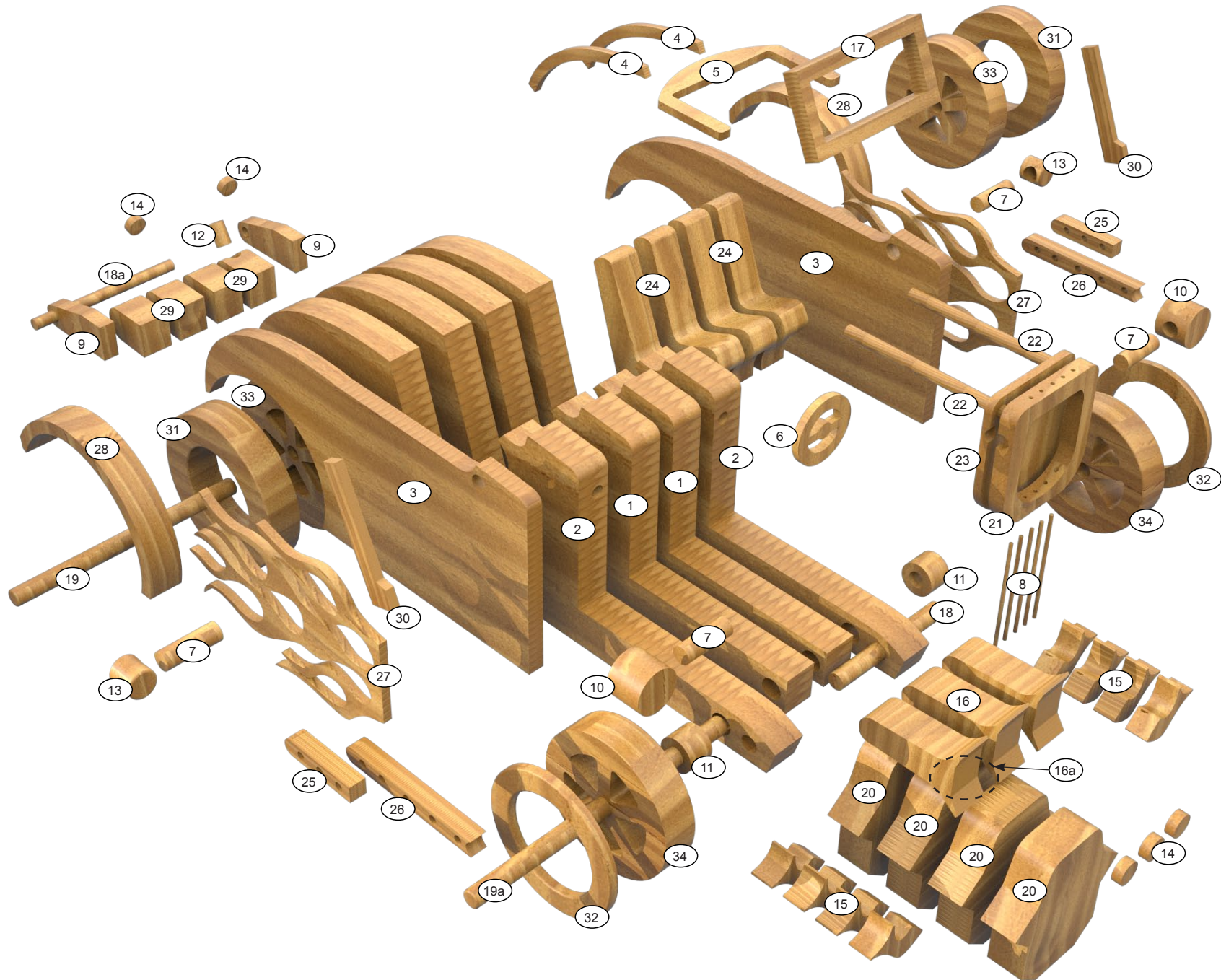


page 18-19

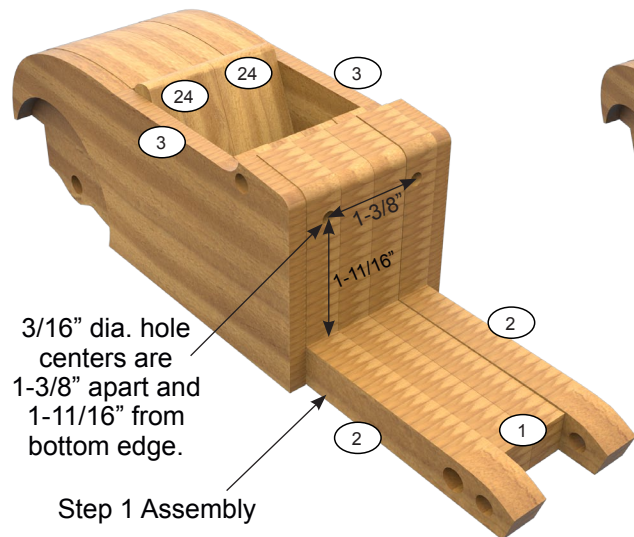


page 16-17

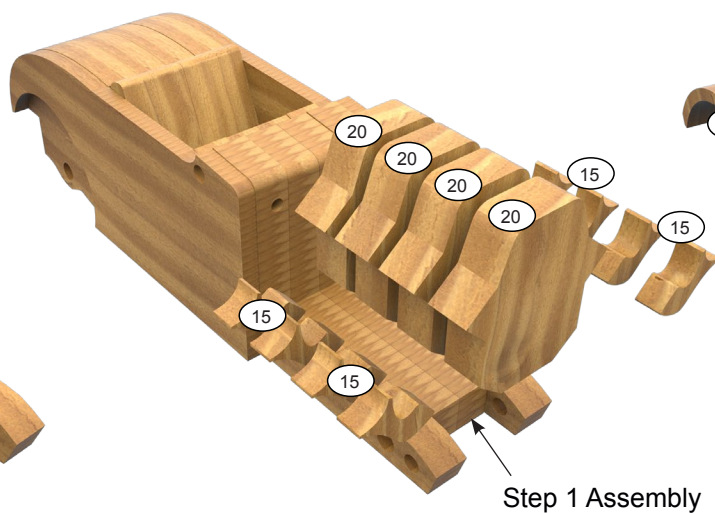




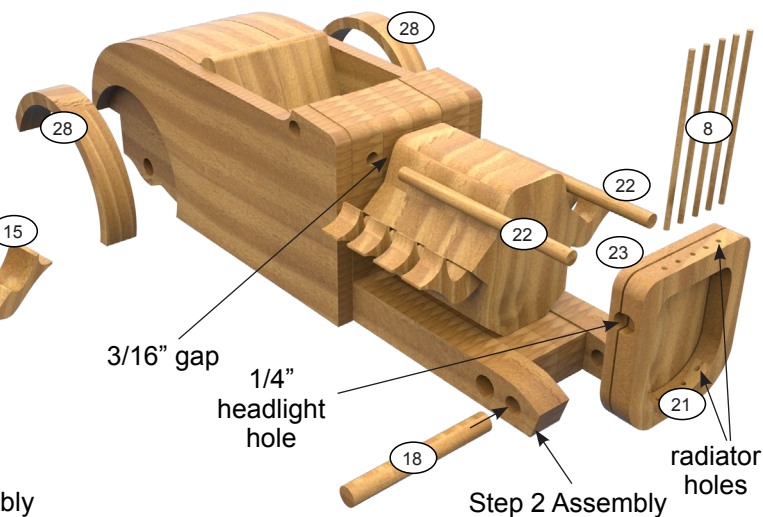
Osni Chioveto's 1931
Hot Rod Ford Roadster



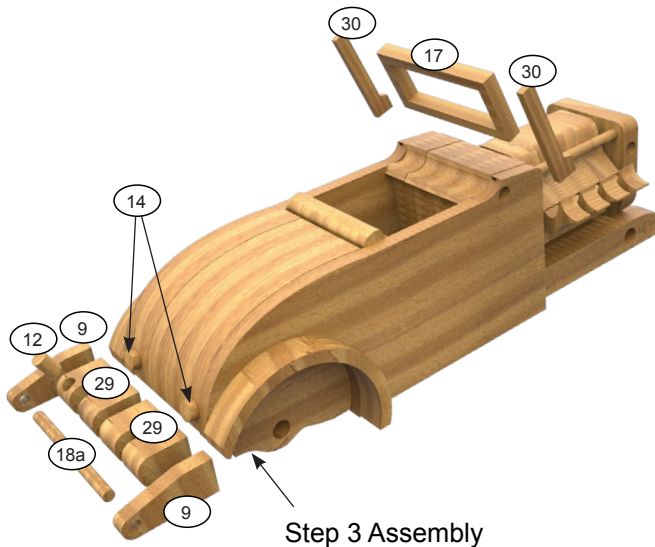
1. Using the Plan Views on pages 16-19 as a guide, glue and clamp two Part 1's, two Part 2's and two Part 3's together. Let dry. Drill 3/16" holes in two Part 2's. Glue four Part 24's together then insert and glue seat assembly into the Step 1 Assembly. Let dry.



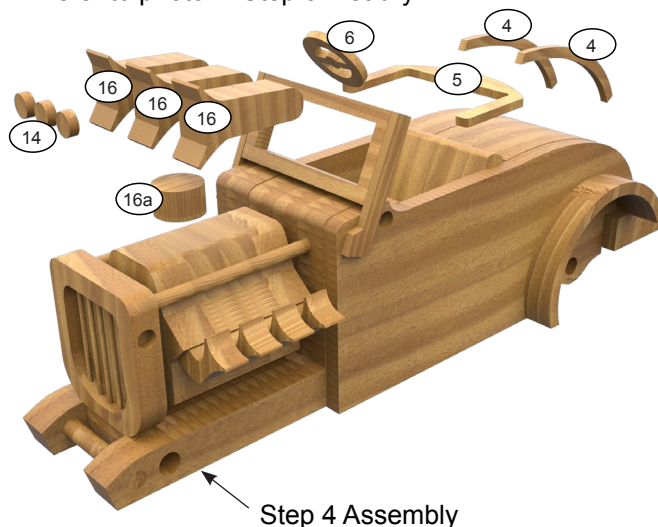
2. Using the Plan Views on pages 16-19 as a guide, glue and clamp four Part 20's together and let dry. Glue the eight Part 15's to each Part 20 centering Part 15's side to side on each Part 20. Then insert and glue the assembly into the Step 1 Assembly leaving a 3/16" gap. Refer to photo in Step 3. Let dry.



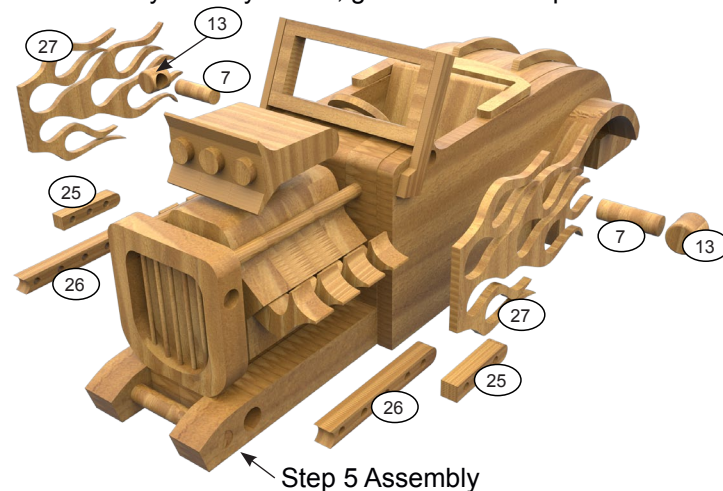
3. Using the Plan Views on pages 16-19 as a guide, glue and clamp in place two Part 28's. Let dry. Glue Part 21 to Part 23, let dry. Drill 1/4" headlight holes into Part 21-23 assembly. Drill 5 radiator holes into Part 21-23 assembly. Glue Part 8's in place and trim off excess. Glue 8-21-23 Assembly and two Part 22's to Step 2 Assembly. Let dry. Insert, glue Part 18 into position.



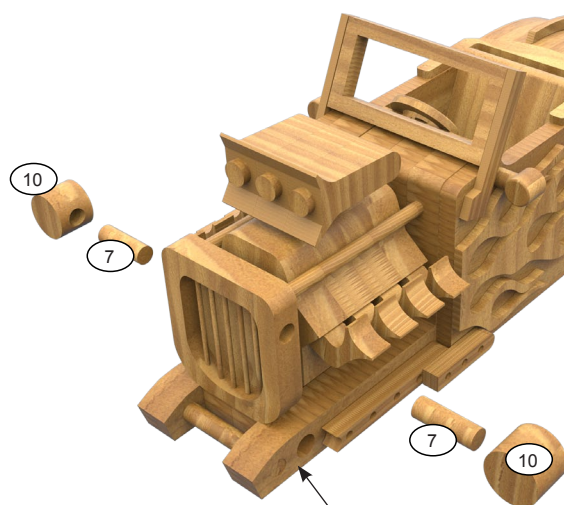
4. Using the Plan Views on pages 16-19 as a guide, glue and clamp two Part 30's & Part 17 to Step 3 Assembly. Let dry. Glue four Part 29's together with two Part 9's. Drill 1/4" deep hole in Part 29 & glue Part 12 into Part 29. Glue Part 18a in place. Glue and clamp assembly 9-18a-12-29 and two Part 14's to the Step 3 Assembly.



5. Using the Plan Views on pages 16-19 as a guide, glue and clamp two Part 4's, Part 5, Part 6 and Part 16a to the Step 4 Assembly. Glue three Part 16's together then glue three Part 14's in place centered on each Part 16. Glue the Parts 14-16-16a assembly to the Step 4 Assembly. Let assembly dry before proceeding.

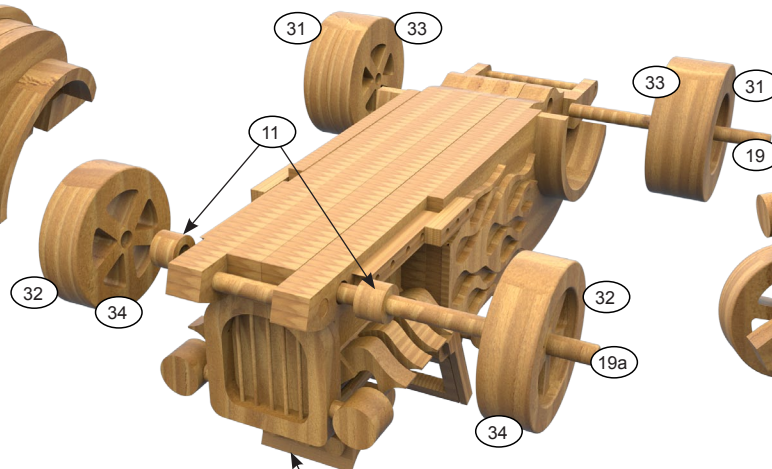


6. Using the Plan Views on pages 16-19 as a guide, glue and clamp two Part 7's & two Part 13's to the Step 5 Assembly. Glue each pair of Part 25's, 26's and 27's to the Step 5 assembly. Let assembly dry before proceeding.



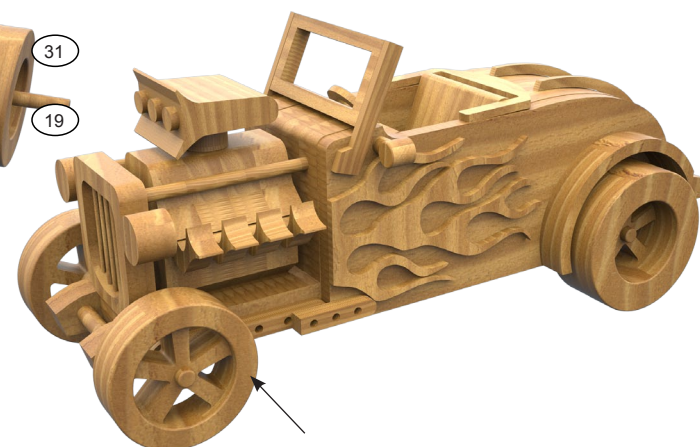
Step 6 Assembly

8. Using the Plan Views on pages 16-19 as a guide, glue two Part 7's and two Part 10's in place in the Step 6 Assembly.



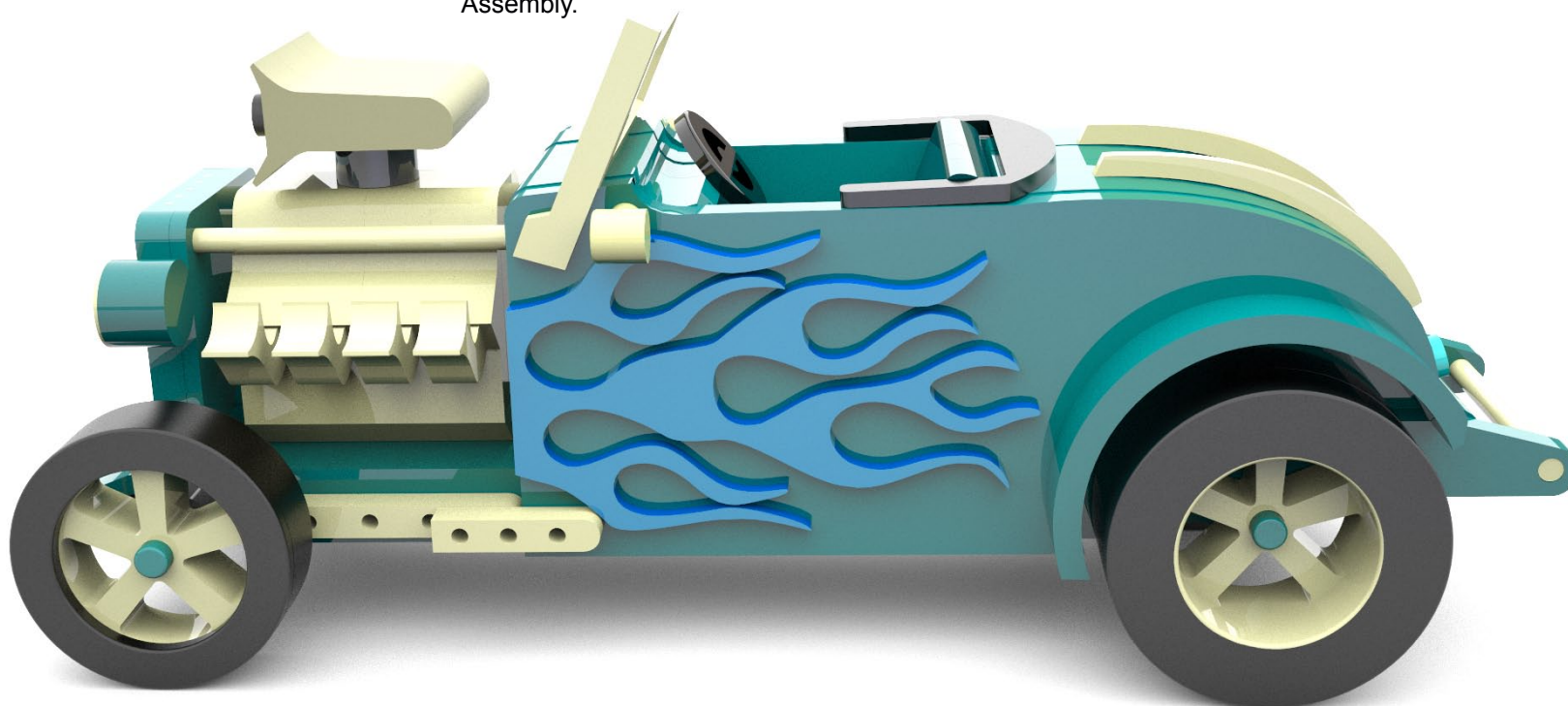
Step 7 Assembly

8. To make wheels glue two Part 32's to two Part 34's then glue two Part 31's to two Part 33's. Let dry. Insert Parts 19 & 19a into the Step 7 Assembly. Slide two Part 11 spacers onto Part 19a. Glue two Part 32-34's to Part 19a and two Part 31-33's to Part 19 in a position that allows the wheels to rotate freely in the Step 7 Assembly.



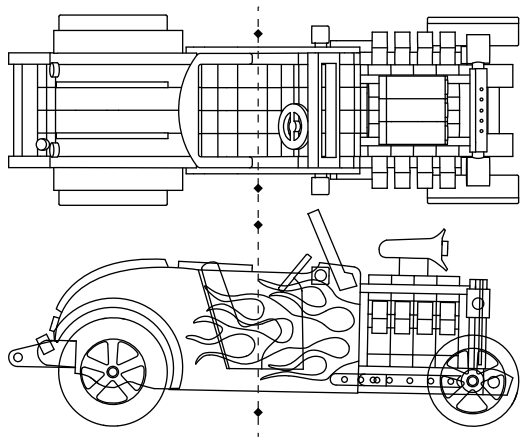
Step 8 Assembly

9. Before the wheel and axle assemblies are dry, roll the hot rod back and forth to make sure that the wheels are rotating freely. There should be an approximate 1/16" gap between each wheel and the body of the car.

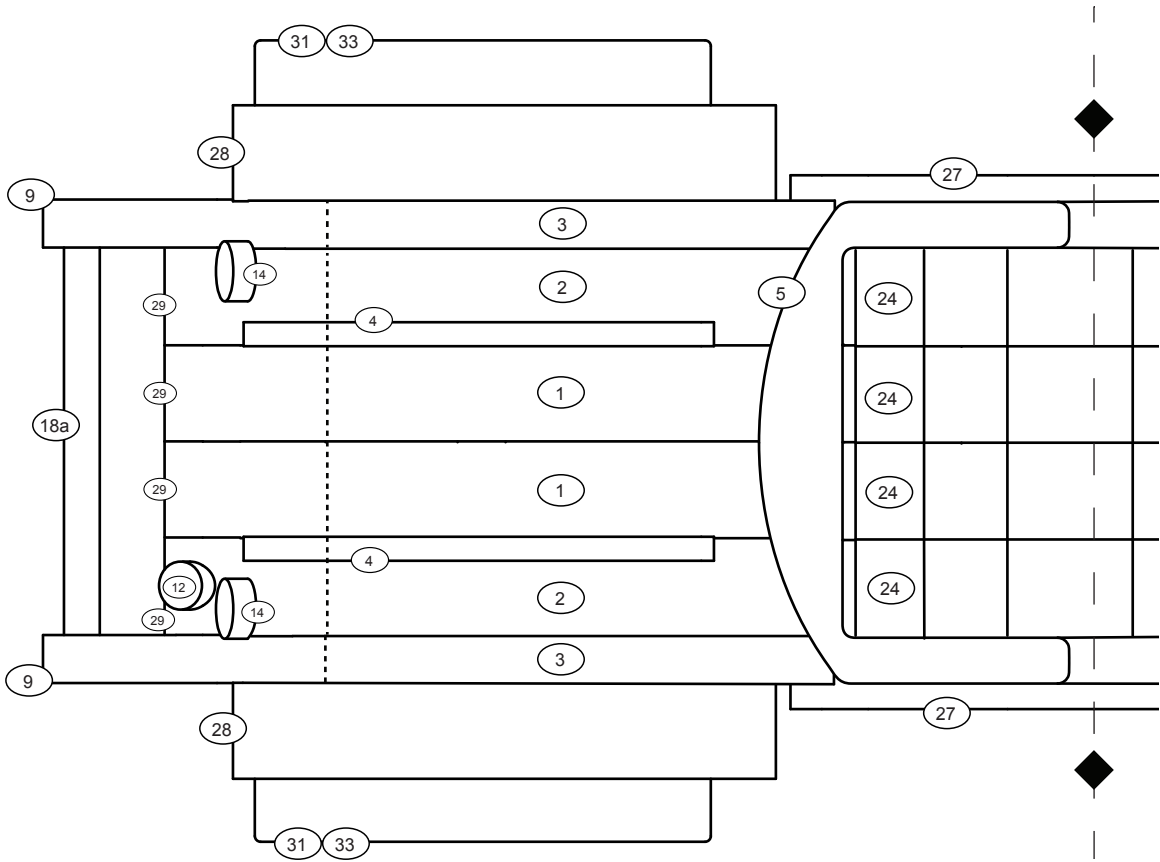




ATTENTION:
THIS FULL-SIZE PRECISION HOT
ROD ROADSTER PLAN VIEW IS FOR
ASSEMBLY REFERENCE. INDIVIDUAL
PATTERNS ON PAGES 20-25.



IMPORTANT NOTE
To print out paper patterns for the plan
set from your computer printer only print
pages 16 through 25. The pages are all line
drawings in black to conserve printer ink.
Check your printer printed size accuracy
by measuring printer scale on each pattern
with a ruler. If printed size of pattern is not
100% adjust printer settings.

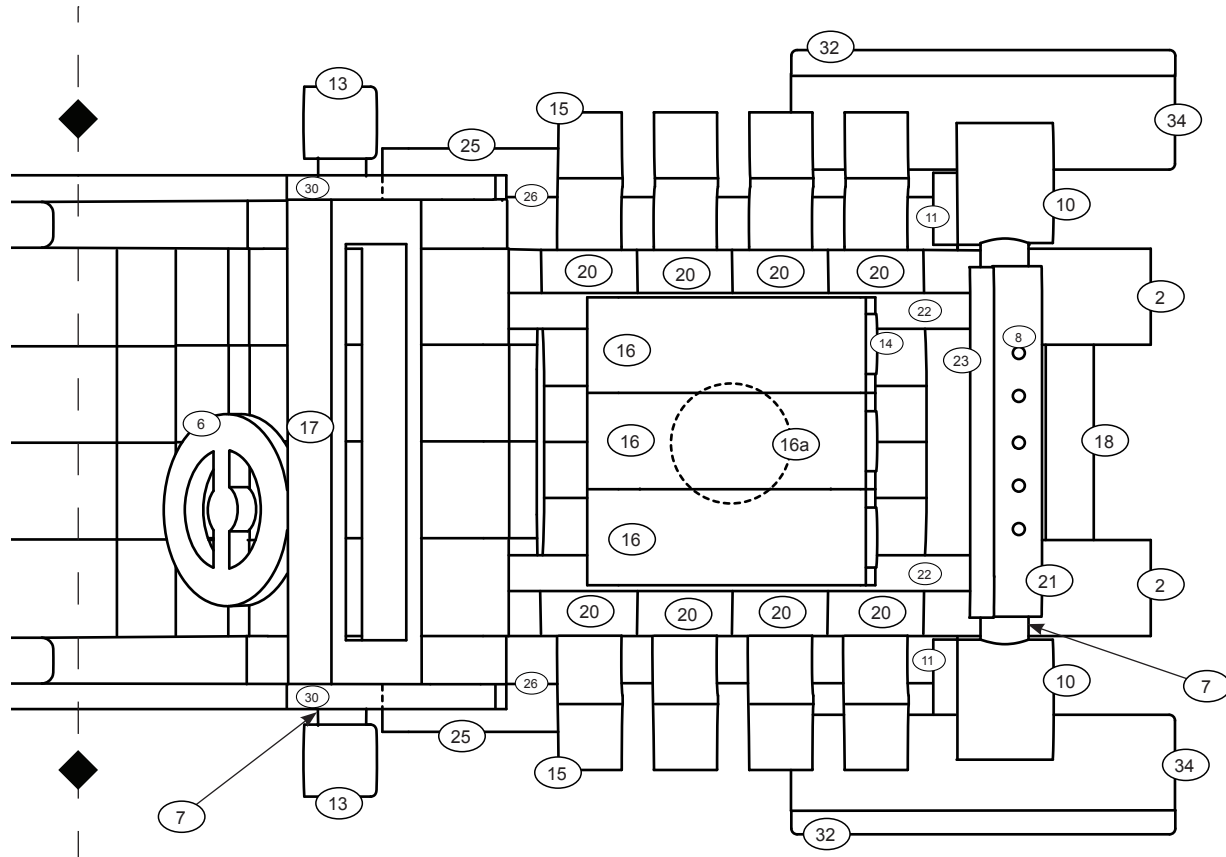


TOP PLAN VIEW

0 printer scale 1 2 3

ACTUAL SIZE

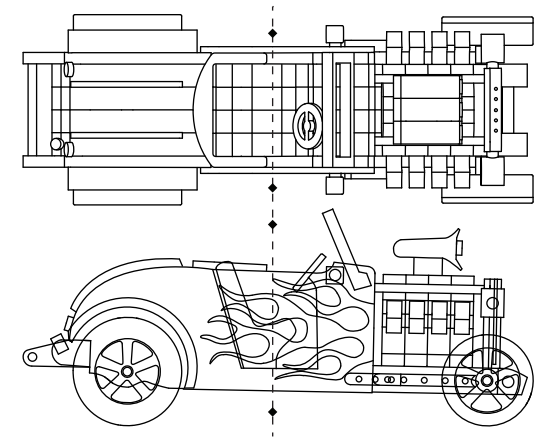
Osni Chioveto's 1931
Hot Rod Ford Roadster



TOP PLAN VIEW

ATTENTION:

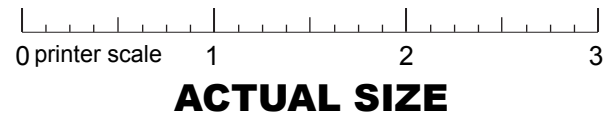
THIS FULL-SIZE PRECISION HOT ROD ROADSTER PLAN VIEW IS FOR ASSEMBLY REFERENCE. INDIVIDUAL PATTERNS ON PAGES 20-25.



IMPORTANT NOTE

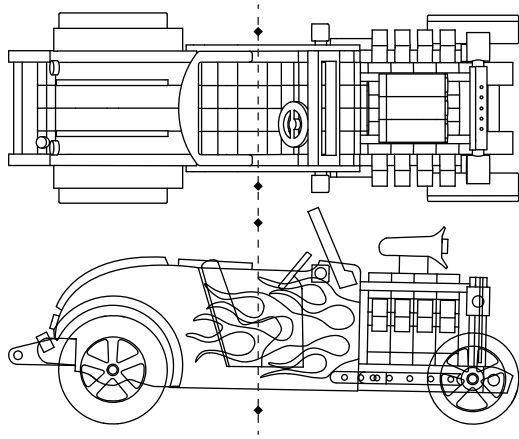
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Osni Chioveto's 1931
Hot Rod Ford Roadster



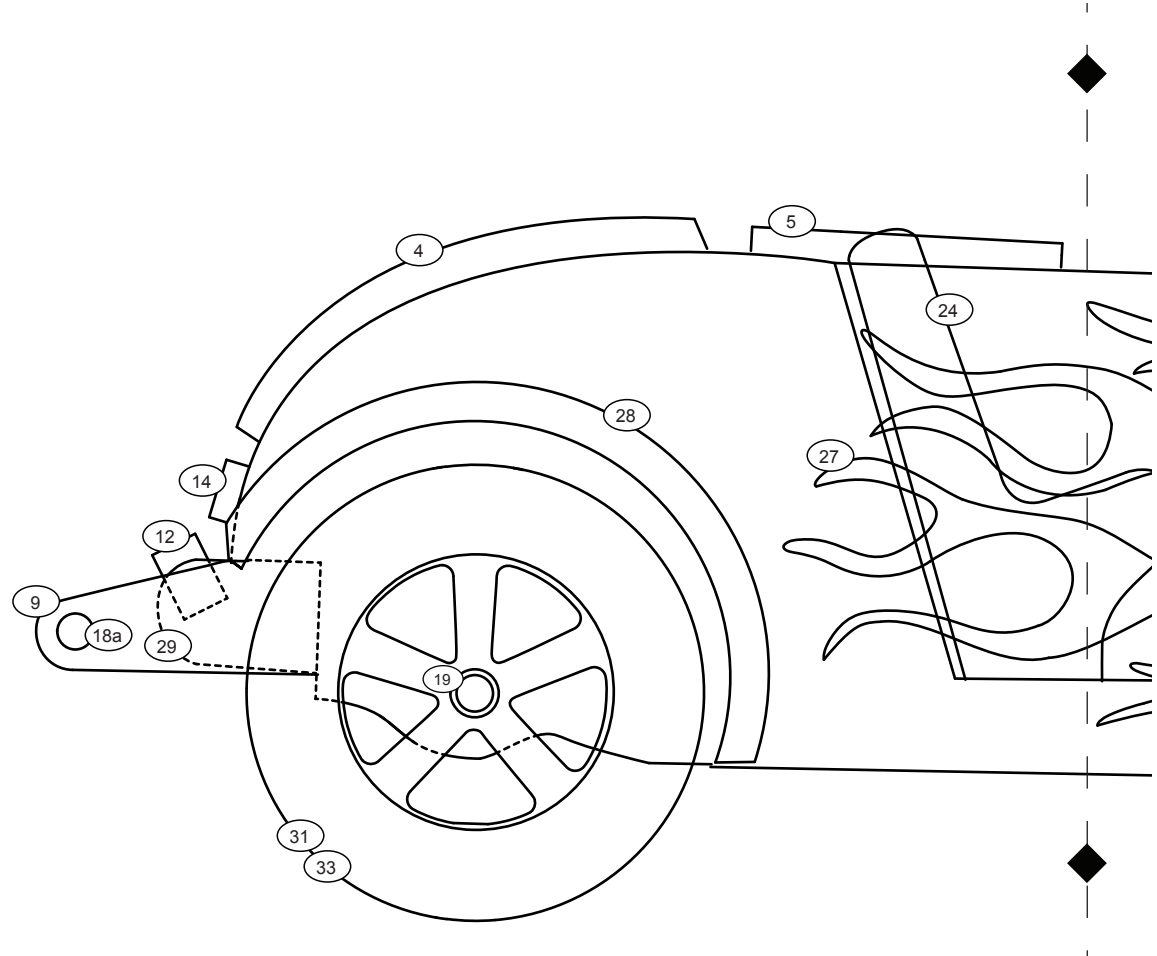
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IMPORTANT NOTE

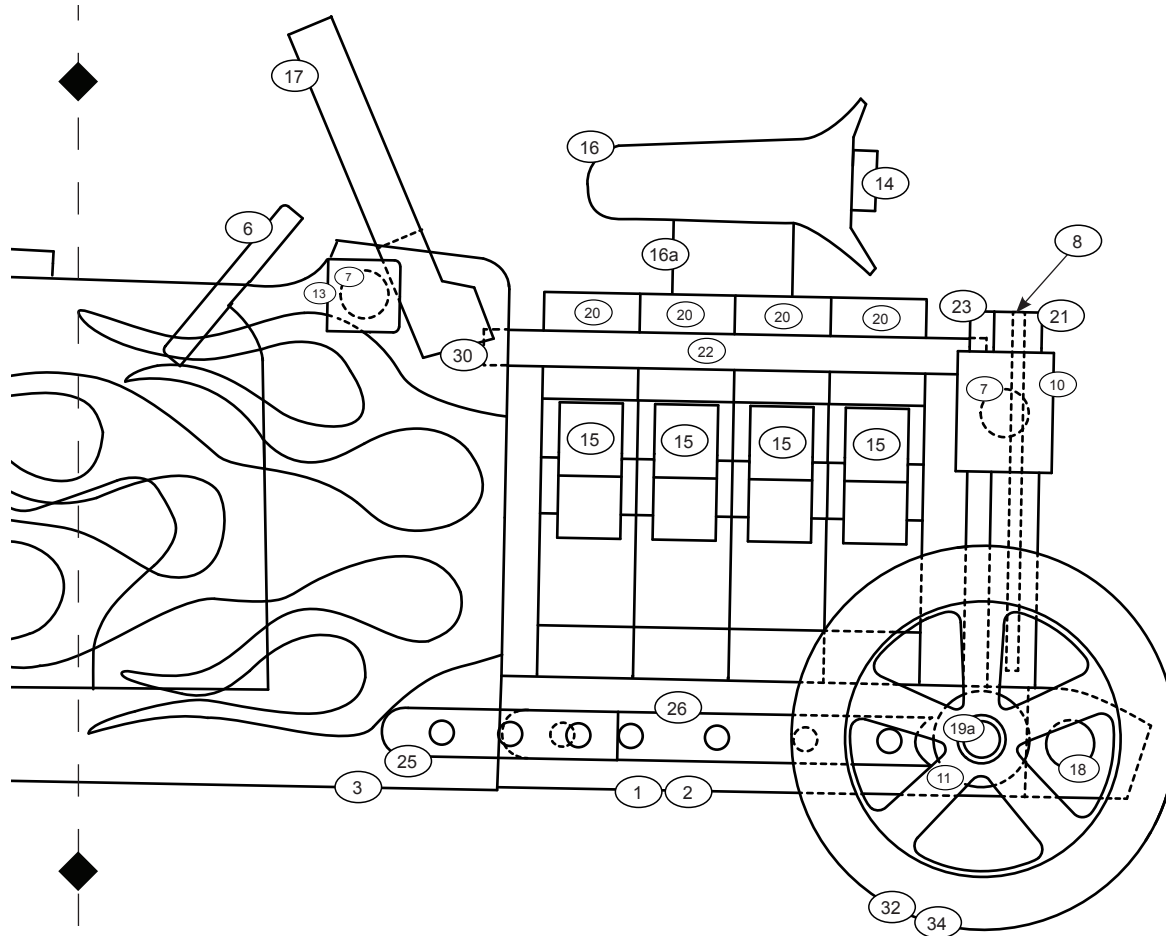
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0 printer scale 1 2 3

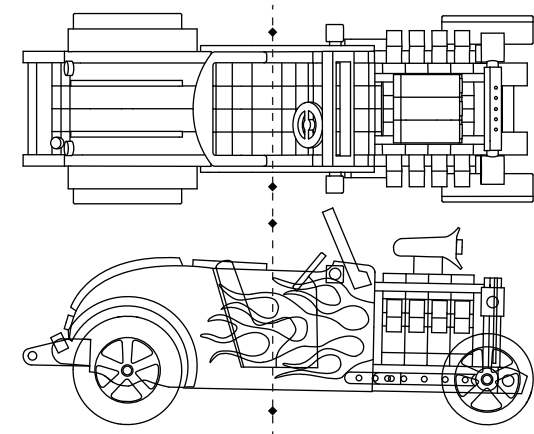
ACTUAL SIZE

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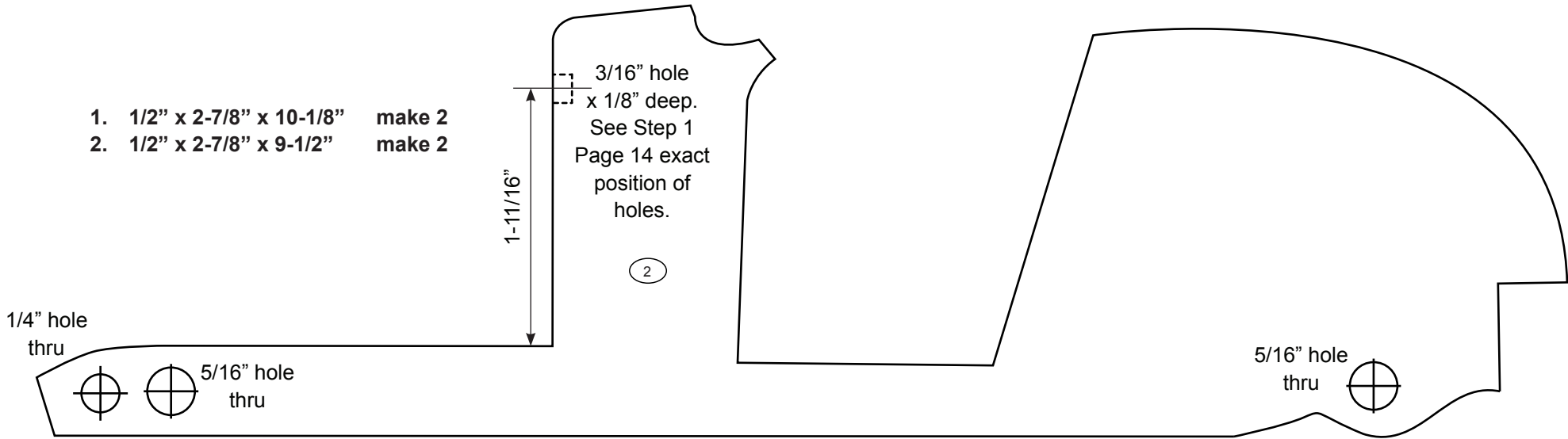
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IMPORTANT NOTE

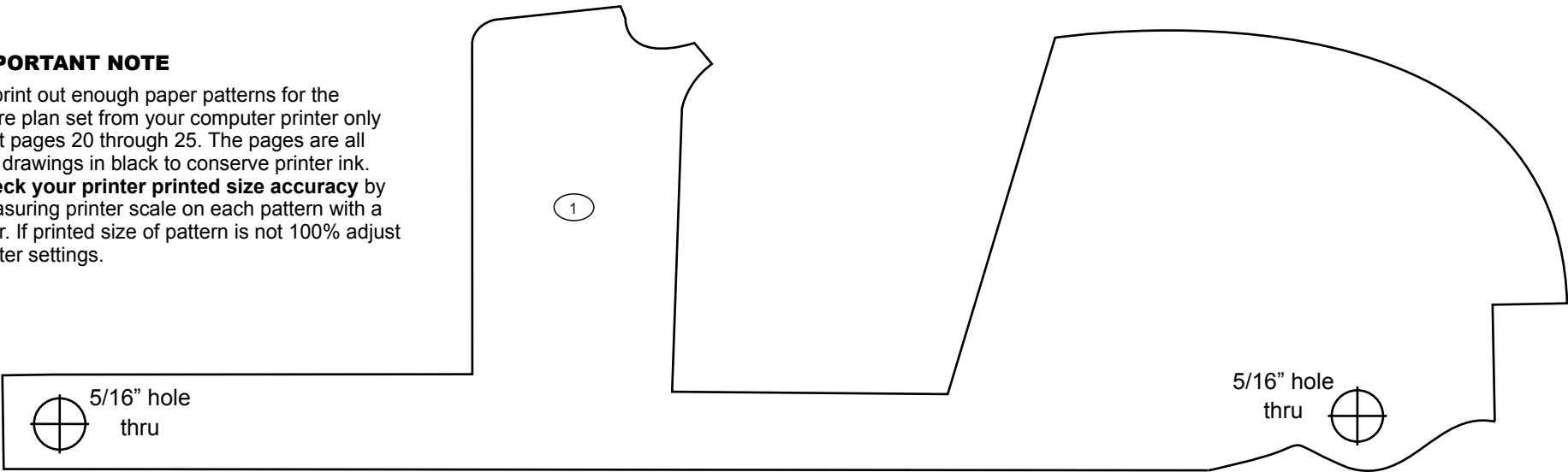
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IMPORTANT NOTE

To print out enough paper patterns for the entire plan set from your computer printer only print pages 20 through 25. The pages are all line drawings in black to conserve printer ink.

Check your printer printed size accuracy by measuring printer scale on each pattern with a ruler. If printed size of pattern is not 100% adjust printer settings.



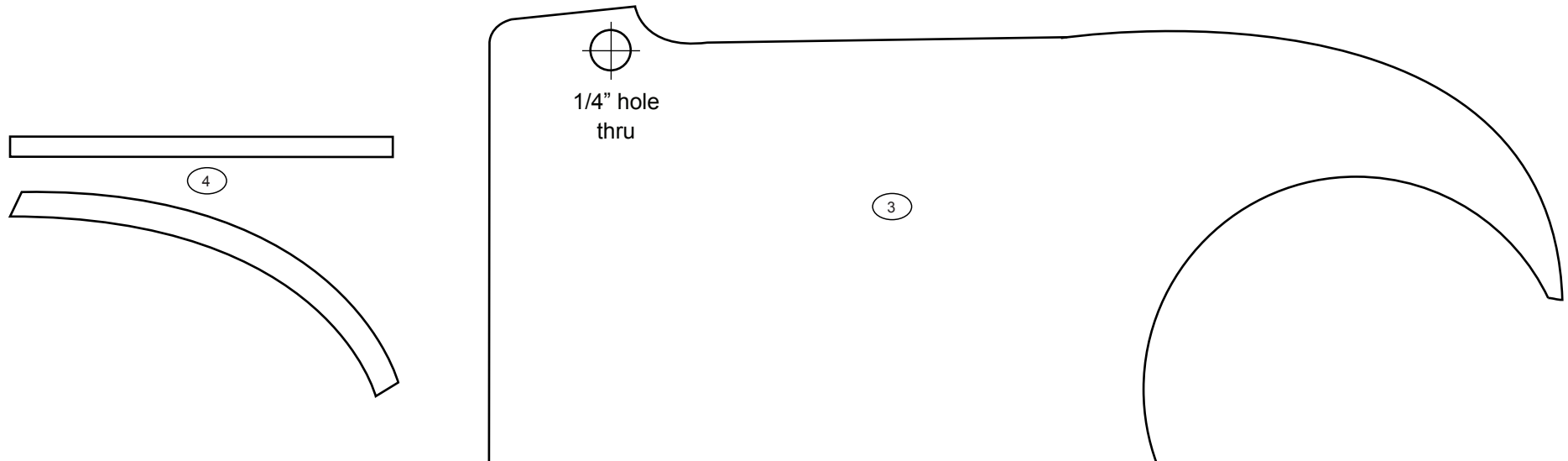


ACTUAL SIZE

IMPORTANT NOTE

To print out enough paper patterns for the entire plan set from your computer printer only print pages 20 through 25. The pages are all line drawings in black to conserve printer ink. **Check your printer printed size accuracy** by measuring printer scale on each pattern with a ruler. If printed size of pattern is not 100% adjust printer settings.

- 3. $1\frac{1}{4}'' \times 2\frac{3}{4}'' \times 6\frac{11}{16}''$ make 2
- 4. $1\frac{1}{8}'' \times 5\frac{1}{8}'' \times 2\frac{5}{8}''$ make 2

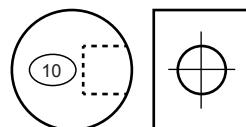
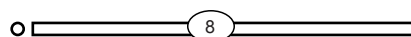
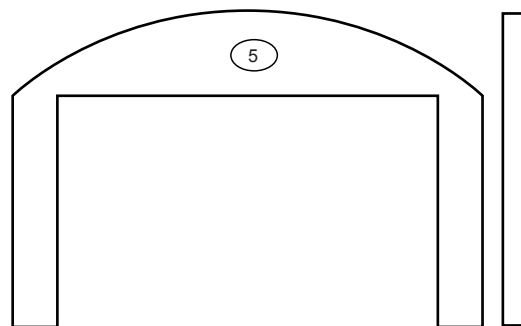




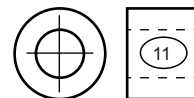
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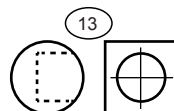
- | | | |
|------|--------------------------|--------|
| 5. | 1/8" x 1-11/16" x 2-1/2" | make 1 |
| 6. | 1" diameter x 1/8" | make 1 |
| 7. | 1/4" diameter x 9/16" | make 4 |
| 8. | 1/8" diameter x 2" | make 5 |
| 9. | 1/4" x 5/8" x 1-1/2" | make 2 |
| 10. | 5/8" diameter x 1/2" | make 2 |
| 11. | 1/2" diameter x 3/8" | make 2 |
| 12. | 1/4" diameter x 3/8" | make 1 |
| 13. | 3/8" diameter x 3/8" | make 2 |
| 14. | 5/16" diameter x 1/8" | make 5 |
| 15. | 5/16" x 3/4" x 1" | make 8 |
| 16. | 1/2" x 1" x 1-1/2" | make 3 |
| 16a. | 5/8" diameter x 3/8" | make 1 |



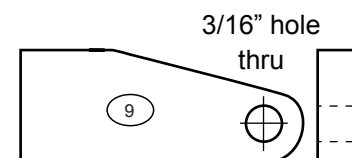
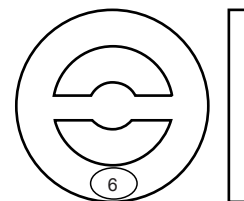
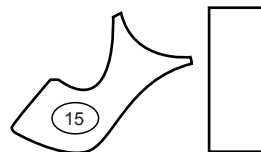
1/4" hole x
1/4" deep



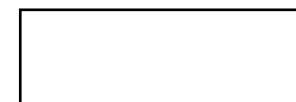
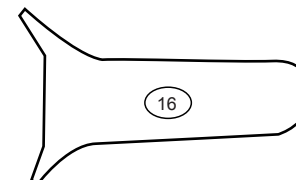
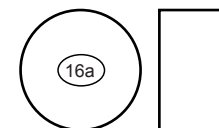
1/4" hole
thru



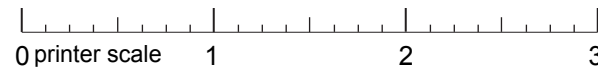
1/4" hole x
1/4" deep



3/16" hole
thru

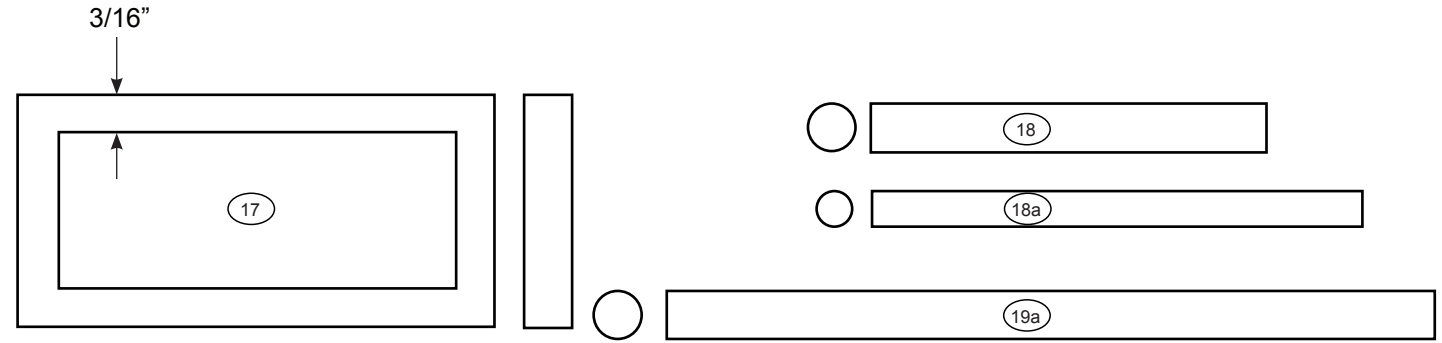


NOTE: Use a Forstner drill bit to drill hole.



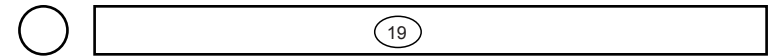
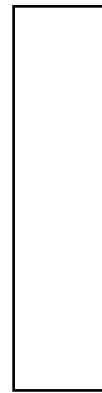
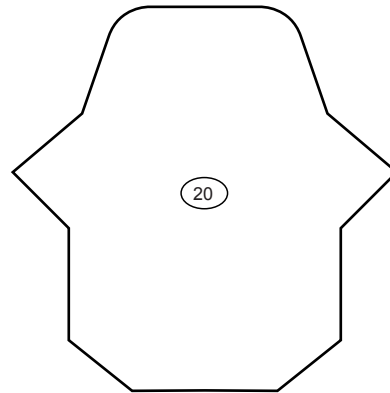
ACTUAL SIZE

- 17. 1/4" x 1-1/4" x 2-1/2" make 1
- 18. 1/4" diameter x 2-1/16" make 1
- 18a. 3/16" diameter x 2-9/16" make 1
- 19. 1/4" diameter x 3-1/2" make 1
- 19a. 1/4" diameter x 4" make 1
- 20. 1/2" x 2" x 2" make 4
- 21. 1/4" x 1-13/16" x 2" make 1
- 22. 3/16" diameter x 2-5/8" make 2
- 23. 1/8" x 1-7/8" x 2" make 1
- 24. 1/2" x 1-13/16" x 2-3/8" make 4
- 25. 1/4" x 1/4" x 1-1/4" make 2
- 26. 1/4" x 1/4" x 2-1/4" make 2



IMPORTANT NOTE

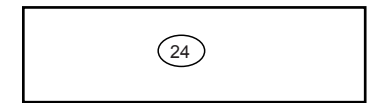
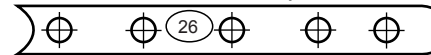
To print out enough paper patterns for the entire plan set from your computer printer only print pages 20 through 25. The pages are all line drawings in black to conserve printer ink. **Check your printer printed size accuracy** by measuring printer scale on each pattern with a ruler. If printed size of pattern is not 100% adjust printer settings.



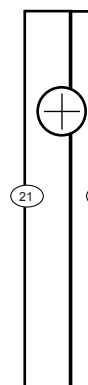
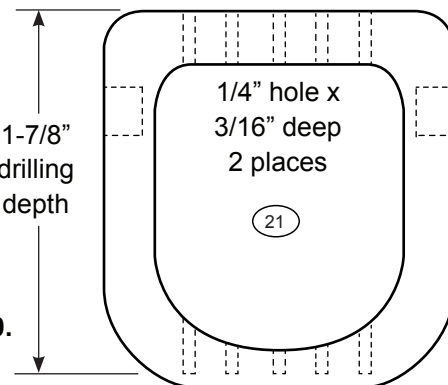
1/8" hole thru 3 places



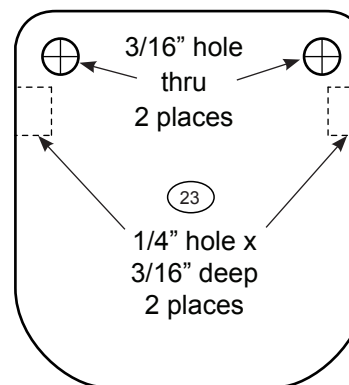
1/8" hole thru 5 places



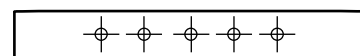
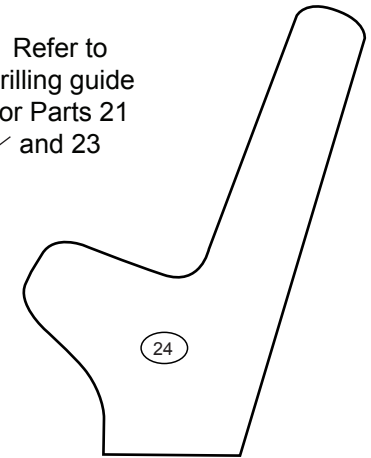
NOTE: Glue Parts 21 and 23 together before drilling 1/4" side holes for headlights Parts 7 and 10. See Step 3 on page 14.



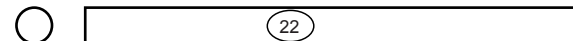
Drilling Guide for Parts 21 and 23



Refer to drilling guide for Parts 21 and 23



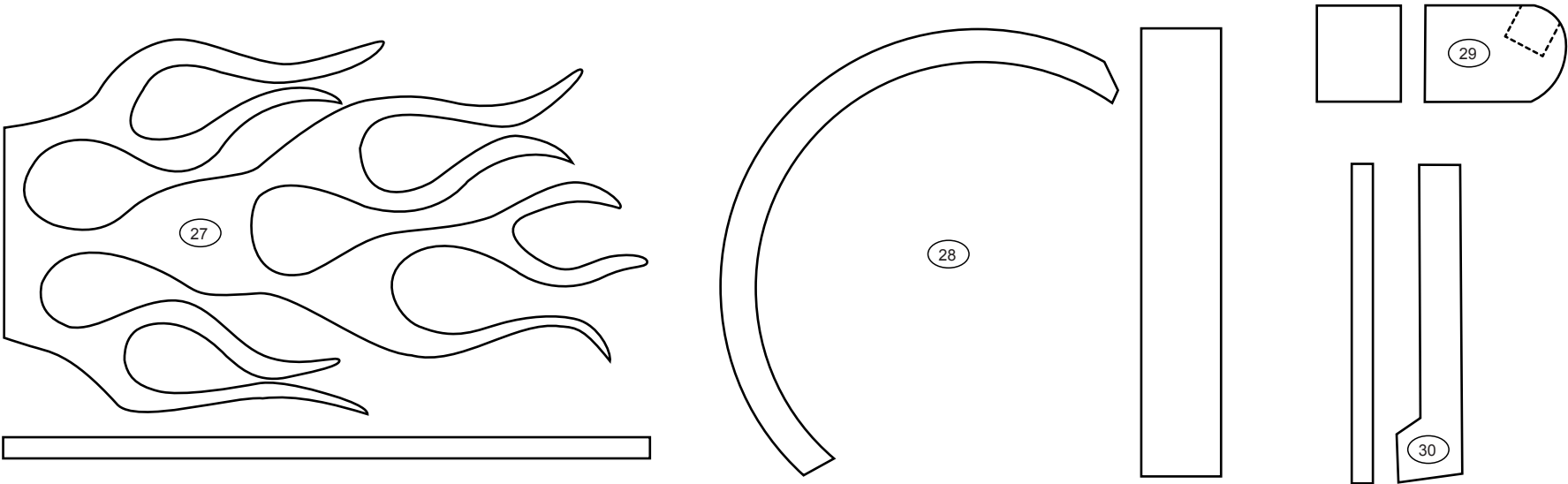
1/8" hole x 1-7/8" deep 5 places
Drill holes for grill in Step 3 on page 14.





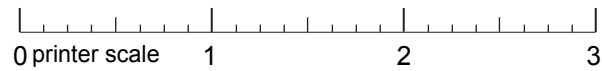
- 27. 1/8" x 2-1/4" x 3-11/16" make 2
- 28. 1/2" x 1-9/16" x 3-1/16" make 2
- 29. 1/2" x 9/16" x 7/8" make 4
- 30. 1/8" x 7/16" x 1-15/16" make 2

NOTE: Drill hole for Part 12 gas cap in one Part 29 only. 1/4" hole x 3/16" deep 27 degrees



IMPORTANT NOTE

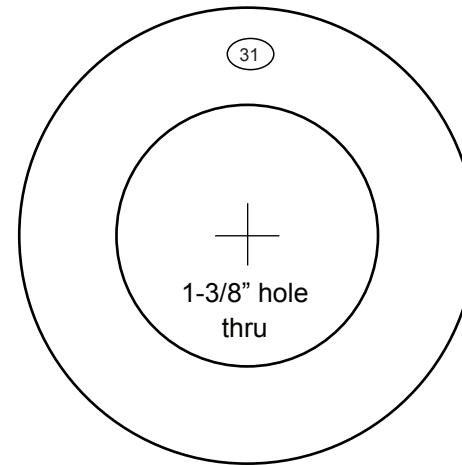
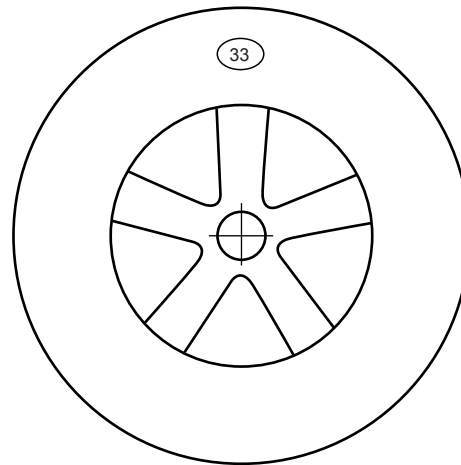
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ACTUAL SIZE

OPTIONAL: Cut out the center for
Parts 33 and 34 wheels as one piece
or separately if you'd like to use a
different species of wood.

Center axle hole
1/4" hole thru

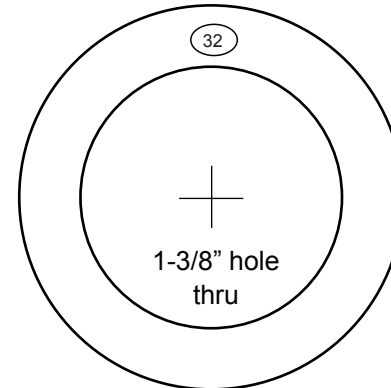
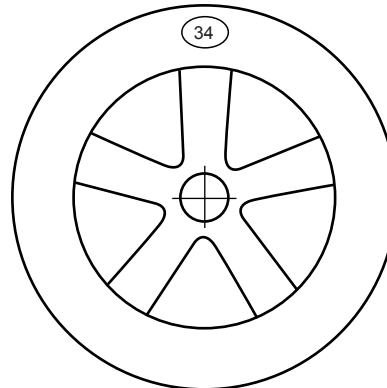


IMPORTANT NOTE

To print out enough paper patterns for the entire plan set from your computer printer only print pages 20 through 25. The pages are all line drawings in black to conserve printer ink. **Check your printer printed size accuracy** by measuring printer scale on each pattern with a ruler. If printed size of pattern is not 100% adjust printer settings.

- 31. 2-3/8" diameter x 1/2" make 2
- 32. 2" diameter x 1/8" make 2
- 33. 2-3/8" diameter x 1/2" make 2
- 34. 2" diameter x 1/2" make 2

Center axle hole
1/4" hole thru



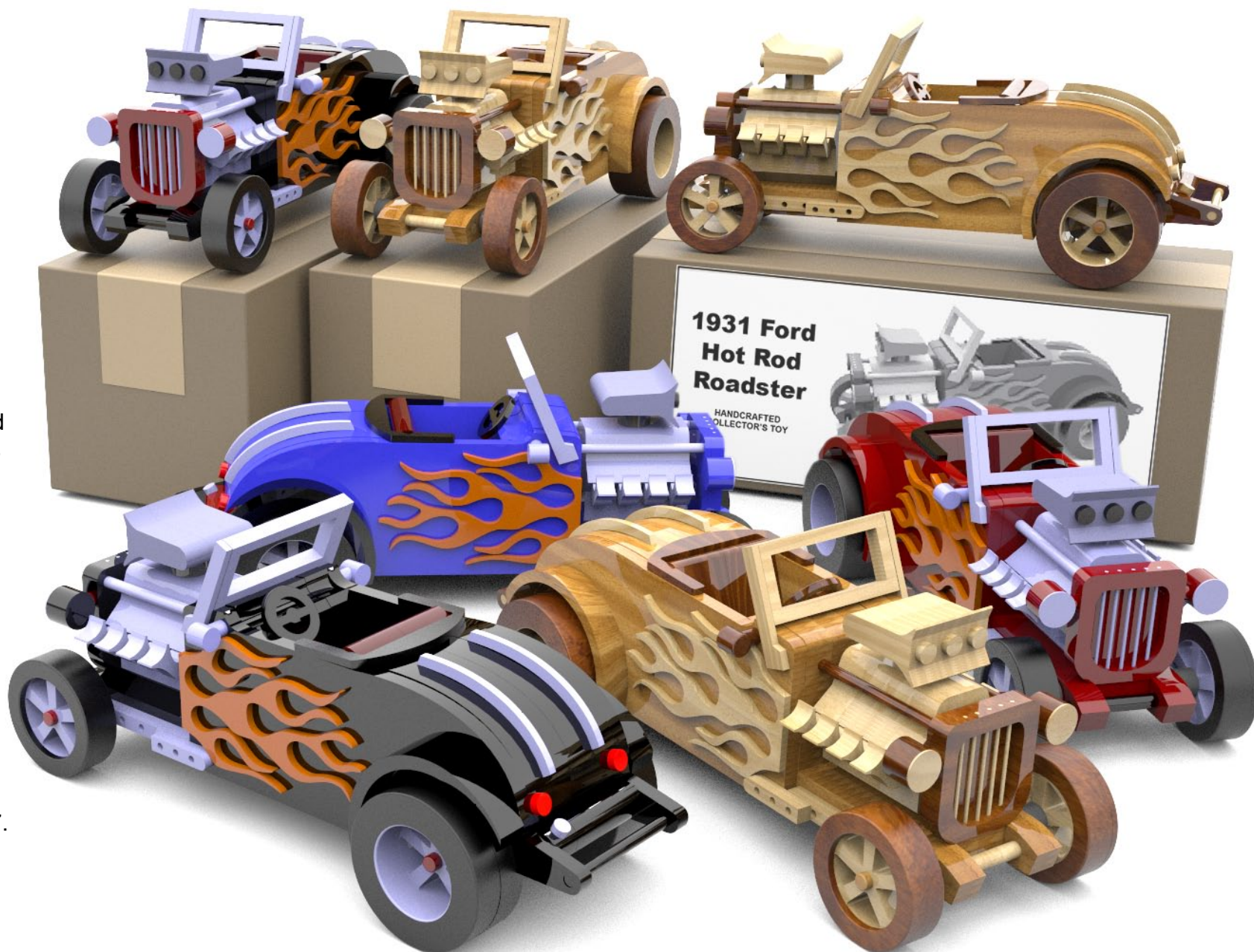
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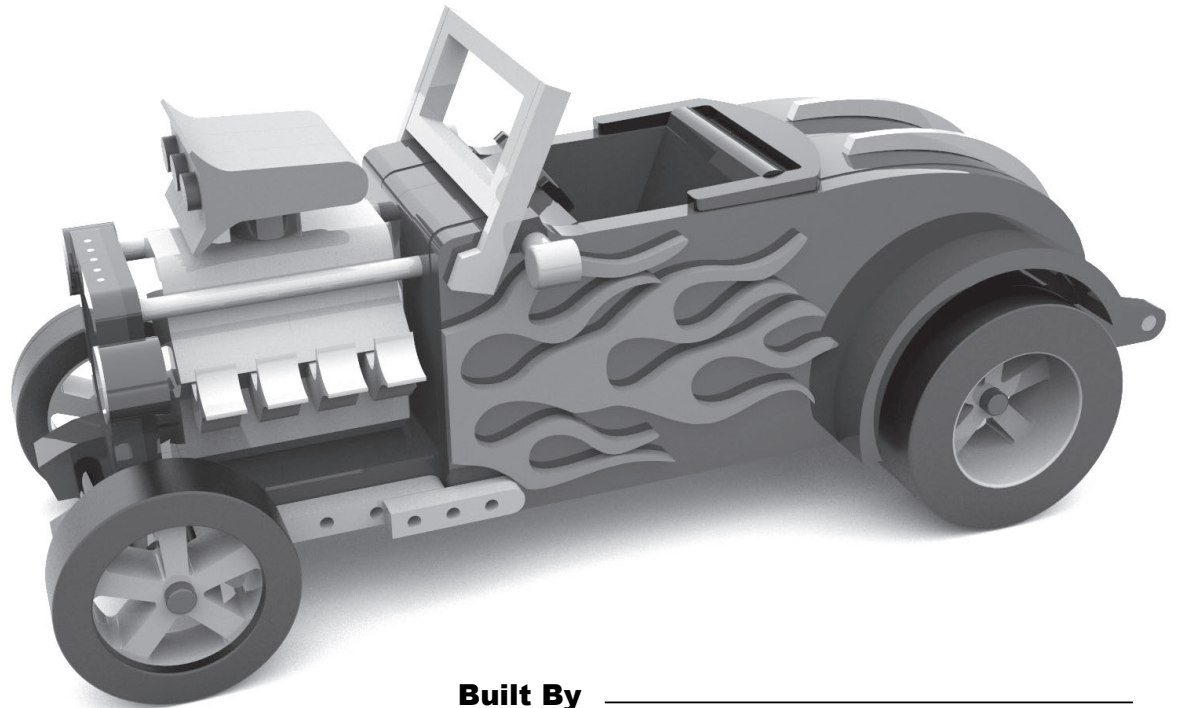
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