Vehicles Vou Can Make Complete Plans and Assembly Drawings for Eight Different Models



Full-size Plans
 Parts Lists
 Great Gift Ideas

by Luc St-Amour

Amazing Vehicles

You Can Make

By Luc St-Amour



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Introduction

This book is for all those who enjoy building wooden models. In this edition you will find clear, easy-to-follow instructions, models that look realistic and a variety of vehicles to choose from.

We have also included details like brake lights, speedometers and treaded wheels, and suggested various types of wood to add beauty and character to your models. Two sets of full-sized patterns are provided for each model, a permanent set and a working copy which can be easily transferred onto your work in progress. Clear, concise assembly drawings are also included to guide you through the final stages. For best results, we suggest that you read all instructions before you begin.

Please keep in mind the most important aspect of woodworking - safety!

Best of luck with your projects!

How to use this book

While there are a lot of different drawings in this book, our approach is very simple. The most important thing to remember is that there are always four main steps to making our models.

In each case, read the general instructions first. They explain each step thoroughly. The first involves cutting all materials required by following the accompanying list. When all materials are cut and identified, many of the parts will already be complete. Some, however, must be finished by following the Parts Drawing section. Others can be completed by using the full-sized patterns found in the Appendix. Two sets of full-sized patterns have been provided for each model. Those in the Appendix have been printed on one-sided sheets of paper so they can be easily removed, cut out and attached to the wood. The other set, printed on both sides of the paper, should remain with the book.

Once all the parts are complete, the Assembly Drawings section for each model provides a stepby-step guide to assembling the model. Please keep the following in mind when using this book:

- Some of the models contain small parts which may break easily and pose a choking hazard for children. (None of our models are recommended for children under the age of five!) If you make a display model for an older child, some parts should be excluded. They have been marked with an * to the left of the List of Materials. The motorcycle is not suitable for children of any age because of it's design.
- The pick-up truck, 18 wheeler, dump truck and cement truck all use the same wheels a total of 42 in all. While these wheels can be made using the instructions in each Parts Drawing section, they can also be purchased from most stores and mail-order catalogues to ensure consistency in size, shape and look. If you buy them, their description is as follows: outside diameter = 2", thickness = 3/4", hole = 3/8", material = hardwood. Wheels for all other models must be made in the shop. We have used a circle cutter mounted in the drill press. Make sure your material is clamped securely and turn at a very low speed.
- In the List of Materials section, please note:

T = Thickness

W = Width

L = Length

Qty. = Quantity

R = Rough size. The material is cut oversized so you have ample room to apply the pattern on the surface. Sanding is not required at this point.

F = Finished size. Carefully cut and sand the part to finished size.

Recommended Tools

Because of the complexity of the models, the use of power tools is a must. They will not only give you the precision needed but will also save you an enormous amount of time.

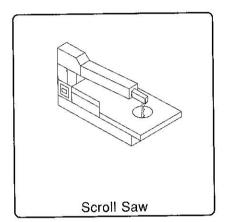
For some parts you will be required to make intricate inside cuts. The best tool for this task is the scroll saw. A drill press must also be used to drill holes in the centre of the dowel. (A hand drill is not suitable for this task.)

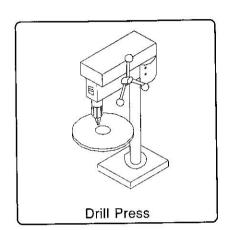
For sanding purposes, you will need power sanders to save you time and give better results.

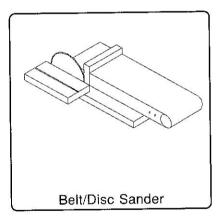
The wood needed to make these projects varies in thicknesses which are not standard. This means you will need to use a thickness planner and a bandsaw to re-saw and bring the wood to the specified thickness. (Some of you may have access to these tools at school, from friends or at a store.)

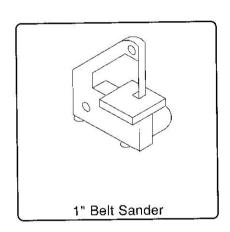
Accessories Needed

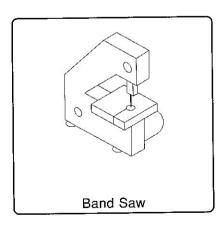
- Drill bit set (1/16" to 1/2")
- Flat drill bit set (3/8" to 1")
- · Measuring tape
- · Combination square
- Sanding drum set
- · Wood vice
- Assorted c-clamps
- Awl (Scriber)
- · Wood glue
- Wood file
- · Pencil and eraser
- 12"ruler(clear recommended)
- Compass
- · Circle cutter

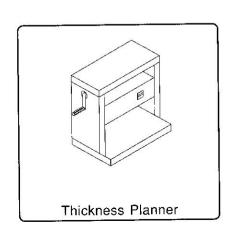




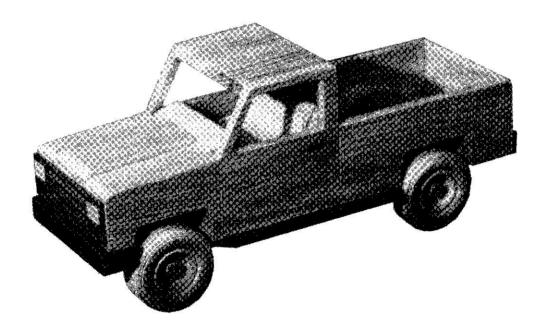








PICK-UP TRUCK



Start by cutting materials needed using the List of Materials on page 10. Pay attention to the rough and finished size, and identify parts as they are cut.

Please note: Different types of wood can be used for the various parts. It is suggested, however, that hard wood be used since many of the parts would be much too fragile if using soft wood. We have used a combination of Maple, Pine, Oak and exotic woods such as Padauk (dark wood), Yellowheart (light colour) and Mahogany (dark wood) to give the models a nice contrast!

Step 2

Parts P1 to P8 are already complete. Parts P9 to P13 will need a few more steps. See the Parts Drawing section on page 11 for more details.

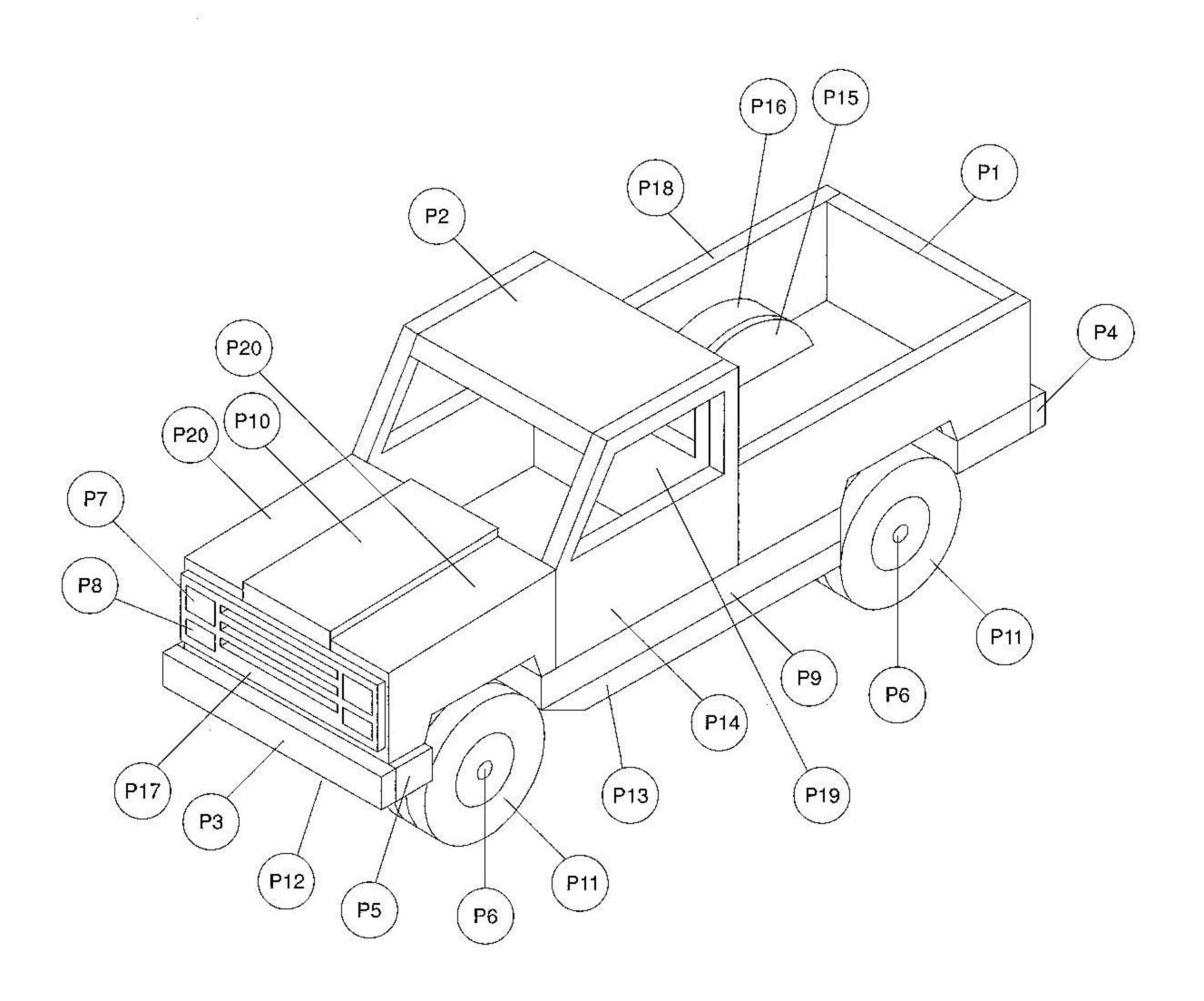
Step 3

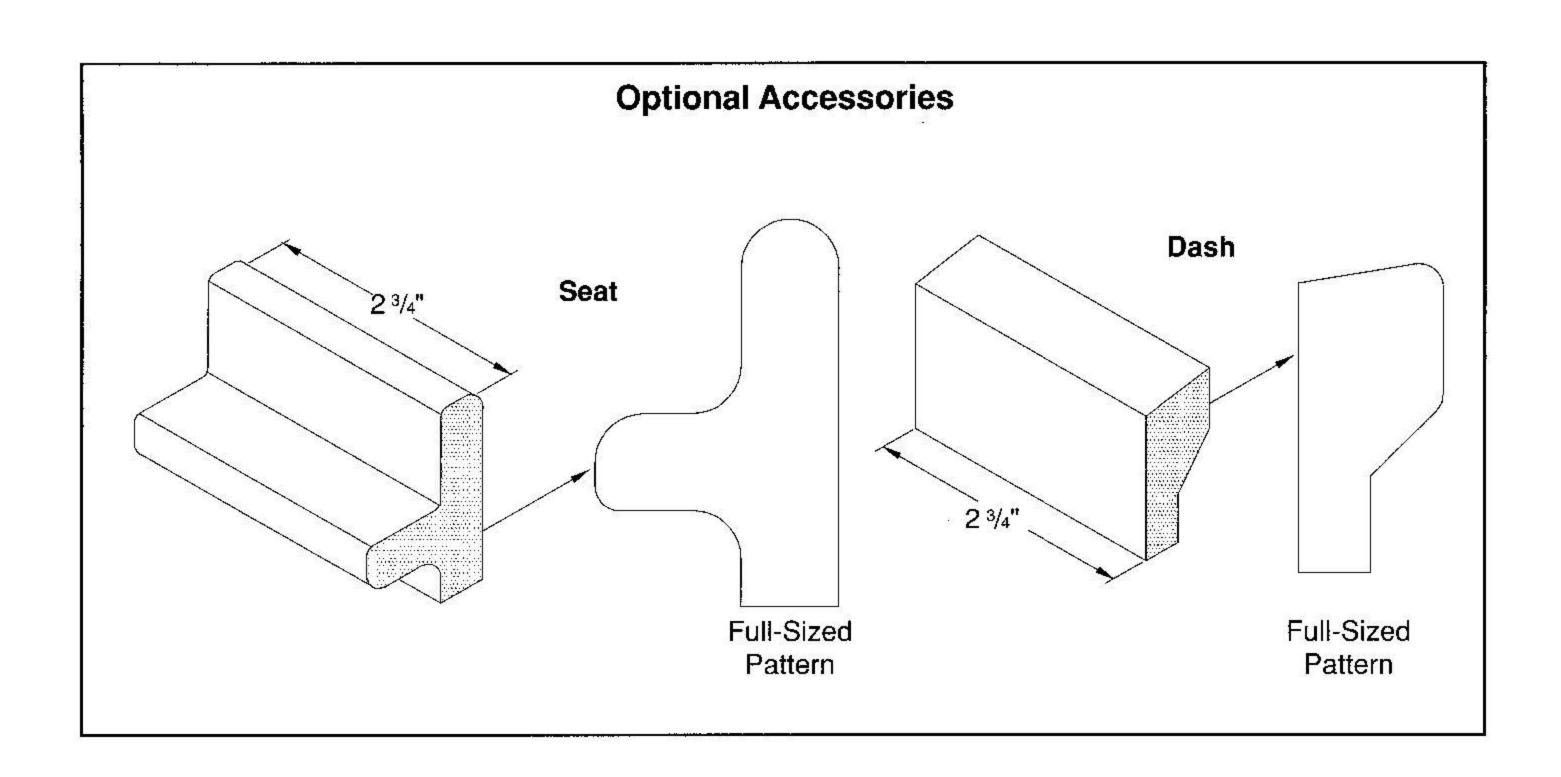
Parts P14 to P20 require removing the Full-Sized Patterns sheet found on page 95 of the Appendix. Cut out the patterns, leaving approximately 1/16" all around, and place on the proper piece of wood. Patterns can be secured to the wood using either spray adhesive or rubber cement. If using the latter, cut and sand the part first to finished size. If drilling is required, mark the hole by inserting an awl or nail through the pattern into the wood. Remove the pattern before drilling.

Step 4

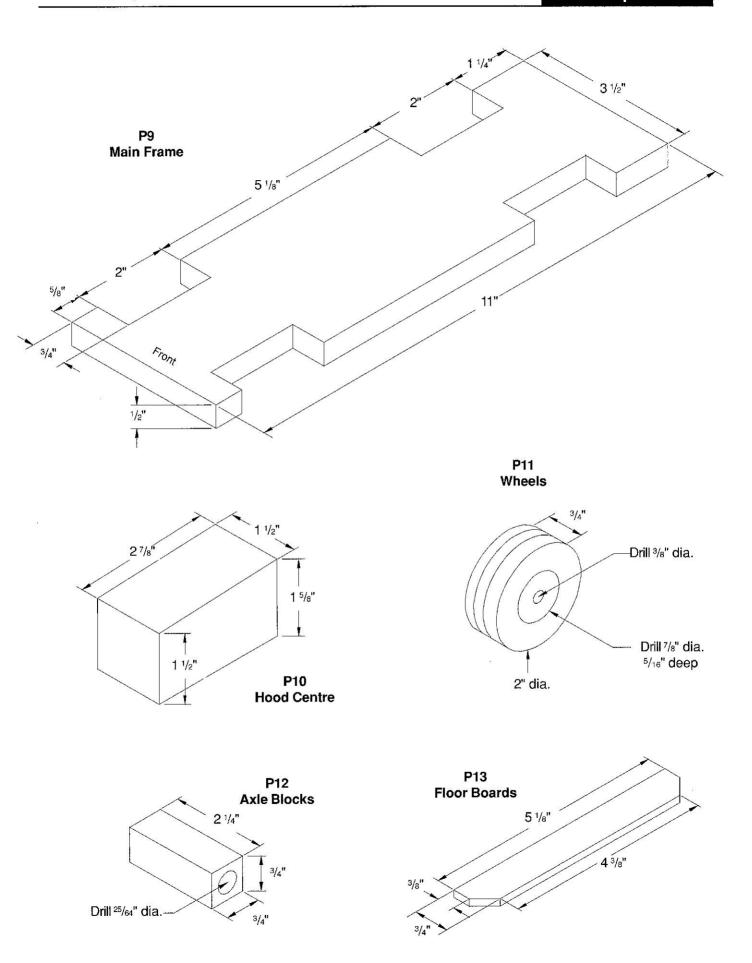
Follow the assembly drawings on pages 13 and 14 to complete your model.

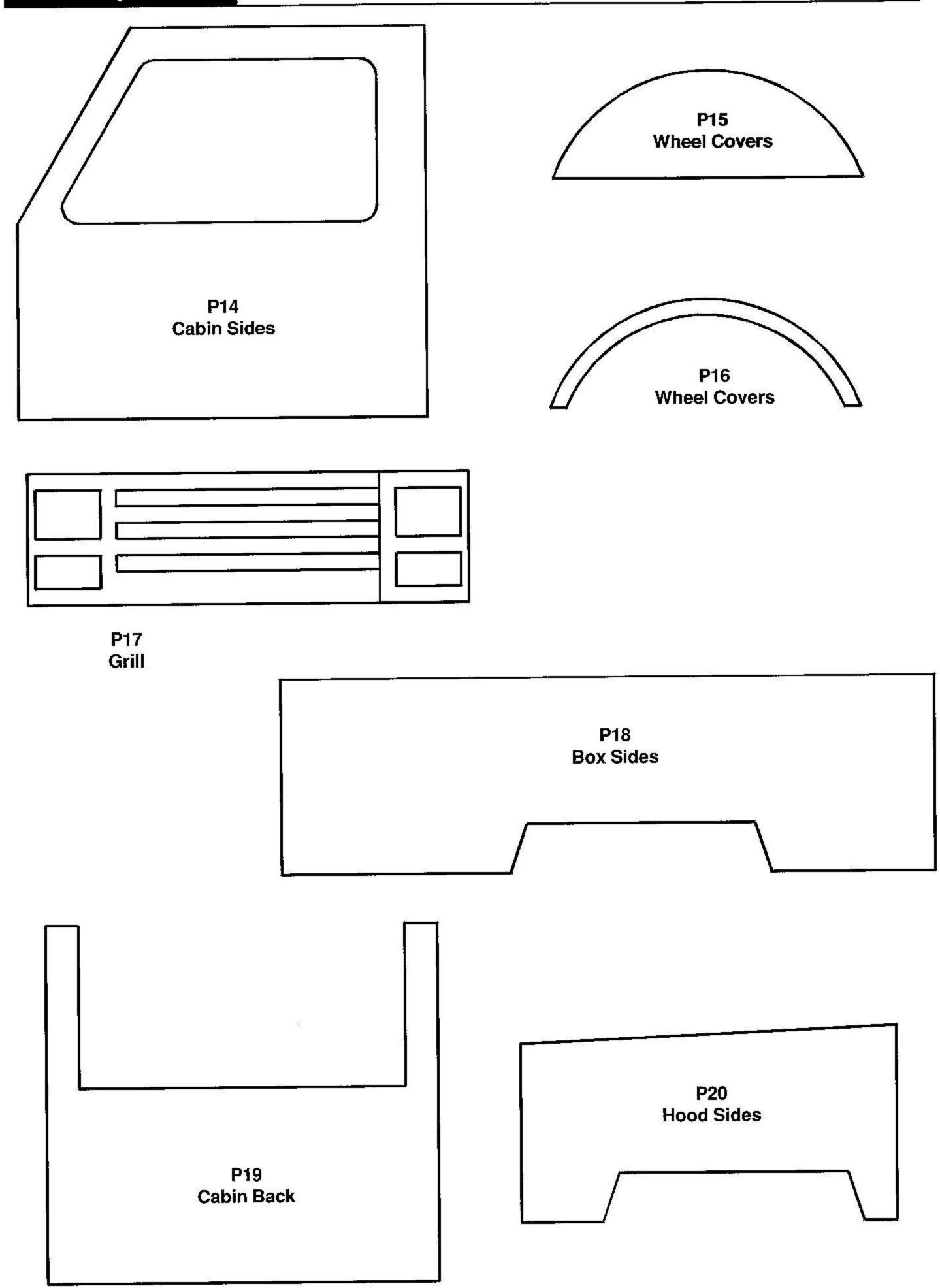
Please note: In order for this model to move properly, it is recommended that you apply a lubricant to wheel shafts and axle block holes. Lard is the cheapest and safest option. It is non-toxic and found in most households.

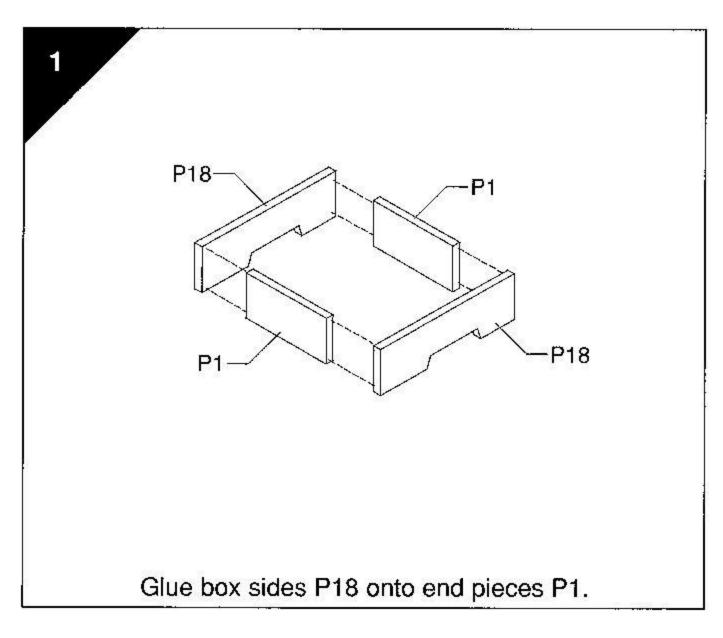


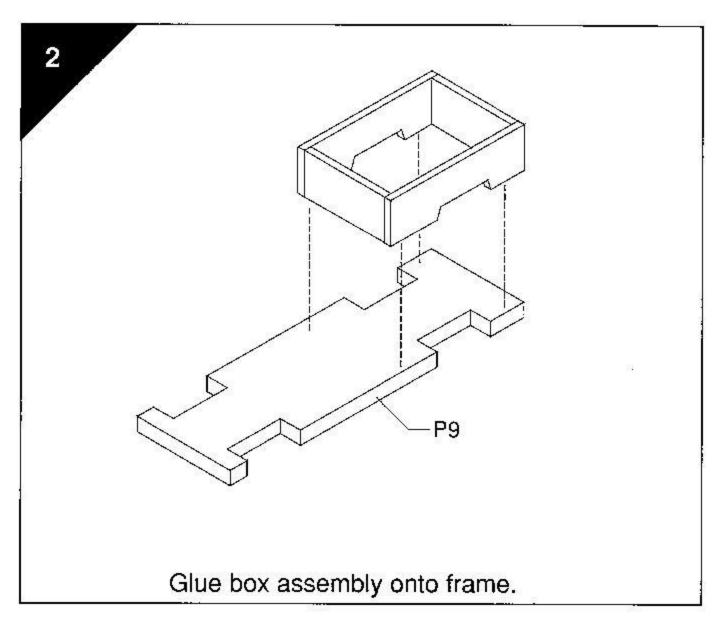


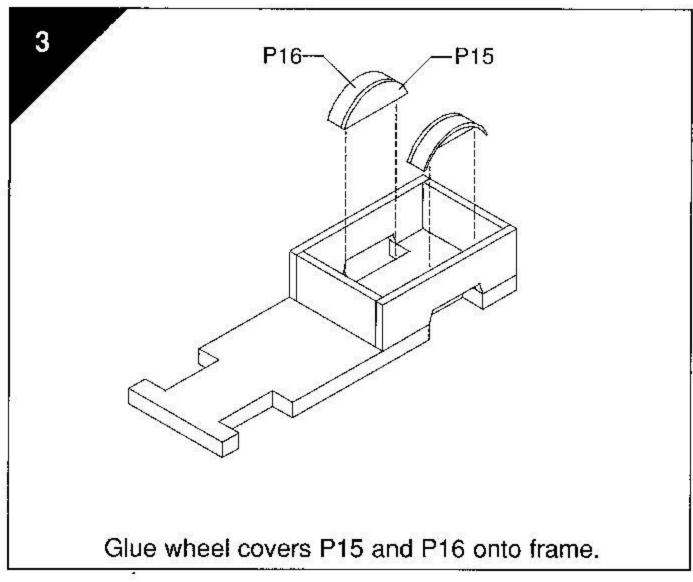
Part	Description	Qty.	T	w	L	Material	*
P1	End Pieces	2	1/4"	1 ¹ /2"	3"	Oak	F
P2	Roof	1	1/4"	2 1/2"	3"	Oak	F
P3	Front Bumper	1	1/4"	1/2"	3 3/4"	Dark Wood	F
P4	Rear Bumper	1	1/4"	1/2"	3 1/2"	Dark Wood	F
P5	Bumper Sides	2	1/4"	1/2"	5/8"	Dark Wood	F
P6	Wheel Shafts	2	3/8"	dia.	3 1/2"	Maple Dowel	F
P7	Main Headlights	2	1/8"	3/8"	1/2"	Light Colour	F
P8	Flashers	2	1/8"	1/4"	1/2"	Dark Wood	F
P9	Main Frame		1/2"	3 1/2"	11"	Oak	Ė
P10	Hood Centre	1	1 1/2"	1 ⁵ /8"	2 ⁷ /8"	Oak	F
P11	Wheels	4	3/4"	2" dia.		Maple	F
P12	Axle Blocks	2	3/4"	3/41"	2 1/4"	Maple	F
P13	Floor Boards	2	1/8"	3/4"	5 1/8"	Dark Wood	F
P14	Cabin Sides	2	1/4"	3 1/4"	3 1/4"	Oak	R
P15	Wheel Covers	2	1/8"	1"	2 5/8"	Oak	R
P16	Wheel Covers	2	1/2"	1"	2 5/8"	Oak	R
P17	Grill	1	1/8"	1 1/4"	3 5/8"	Dark Wood	R
P18	Box Sides	2	1/4"	1 3/4"	5 1/4"	Oak	A
P19	Cabin Back	1	1/4"	3 1/4"	3"	Oak	R
P20	Hood Sides	2	1"	1 3/4"	3 ½"	Oak	R

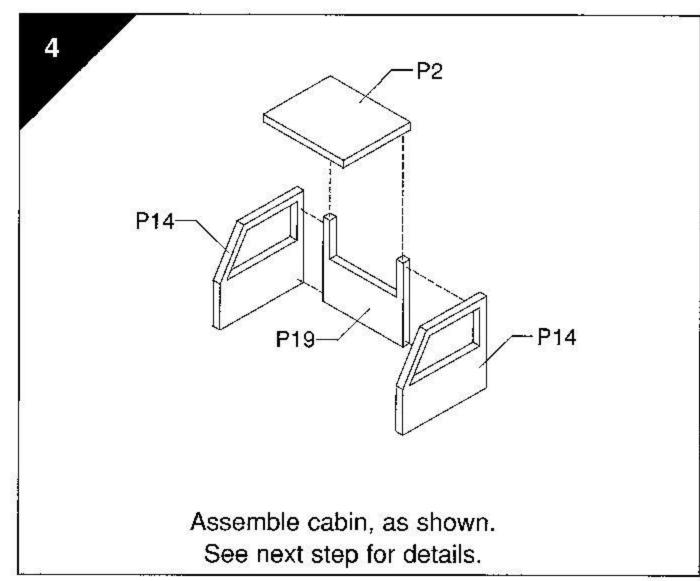


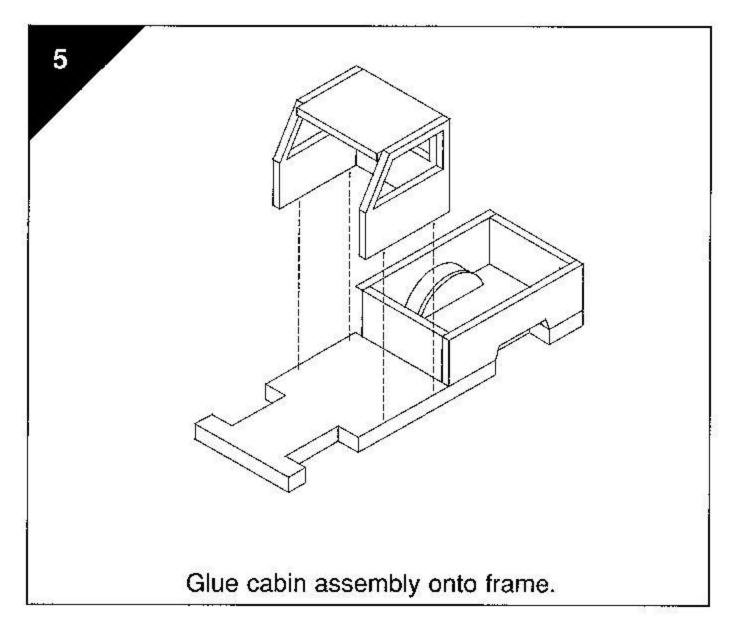


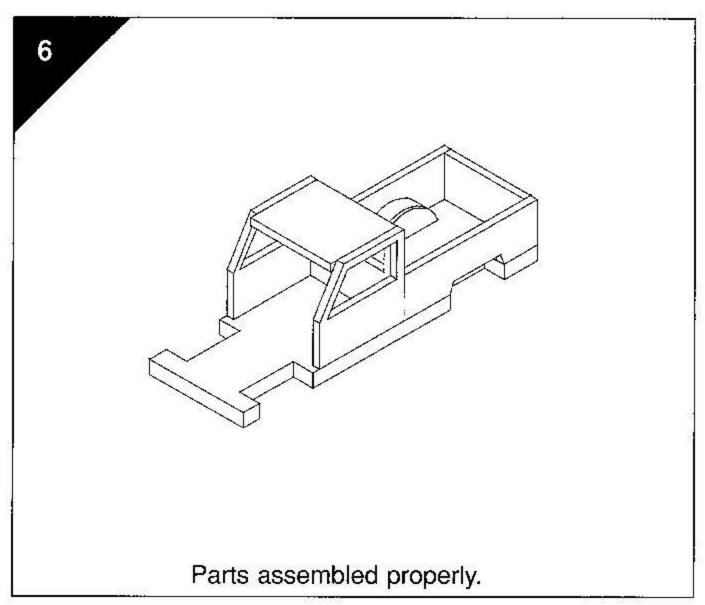


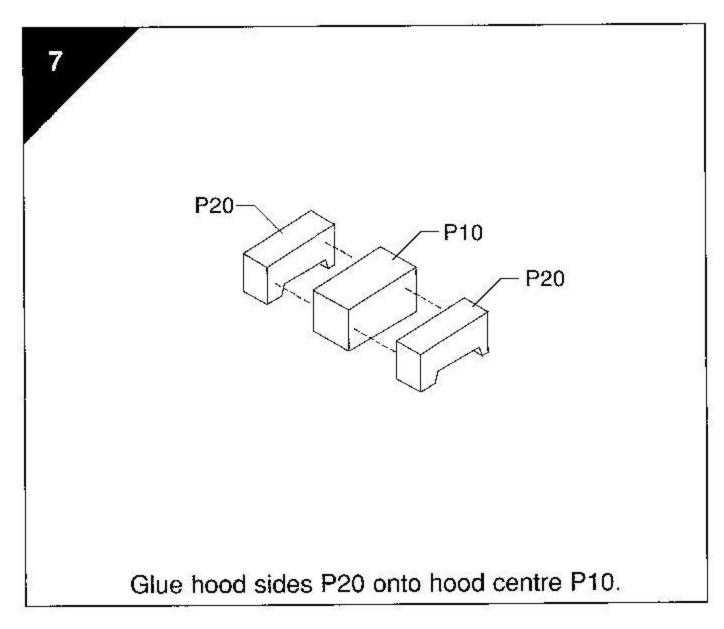


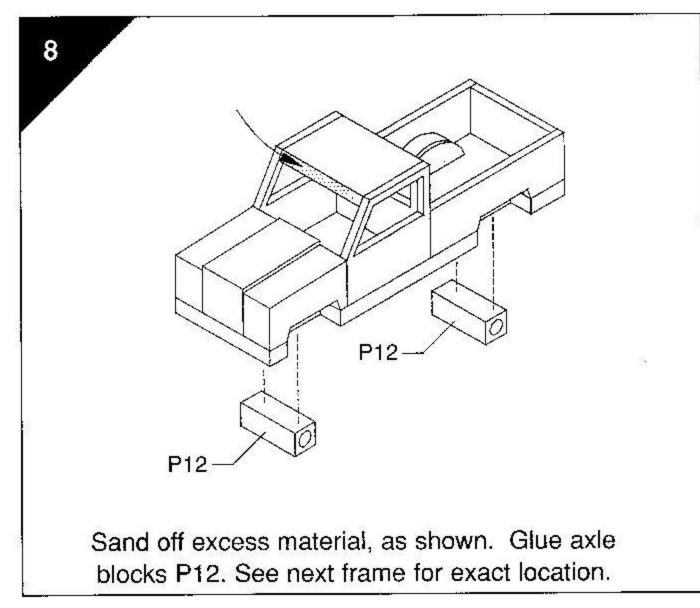


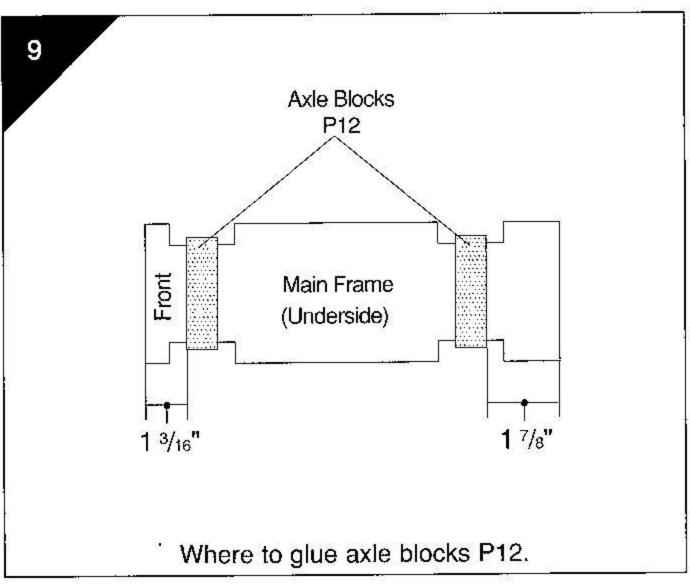


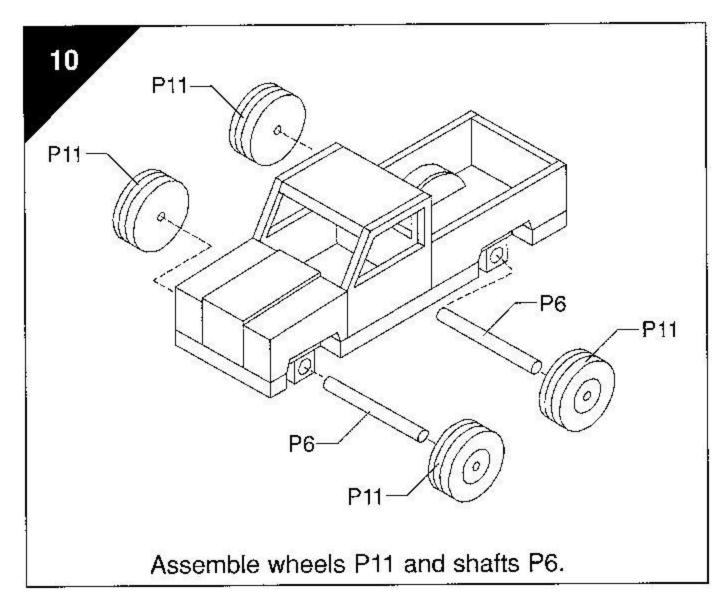


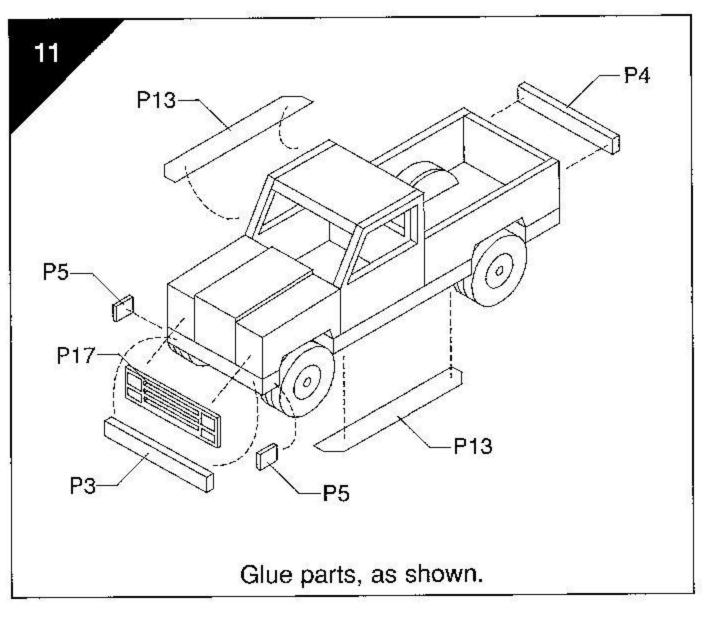


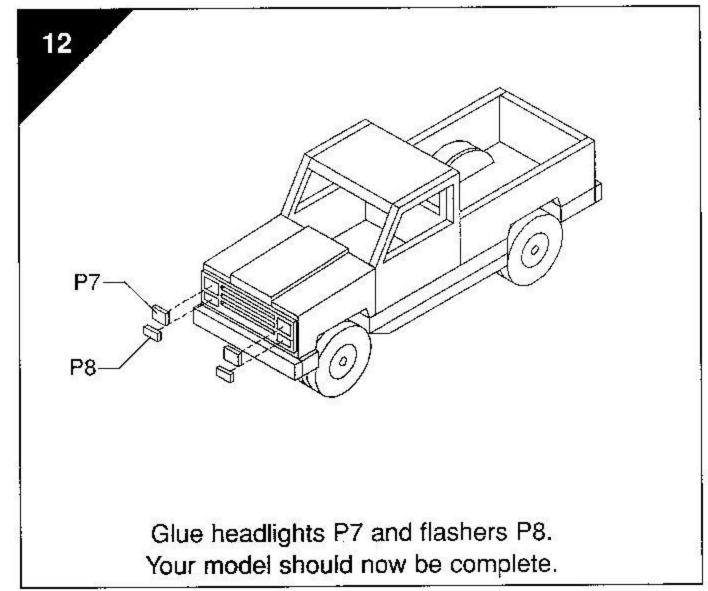




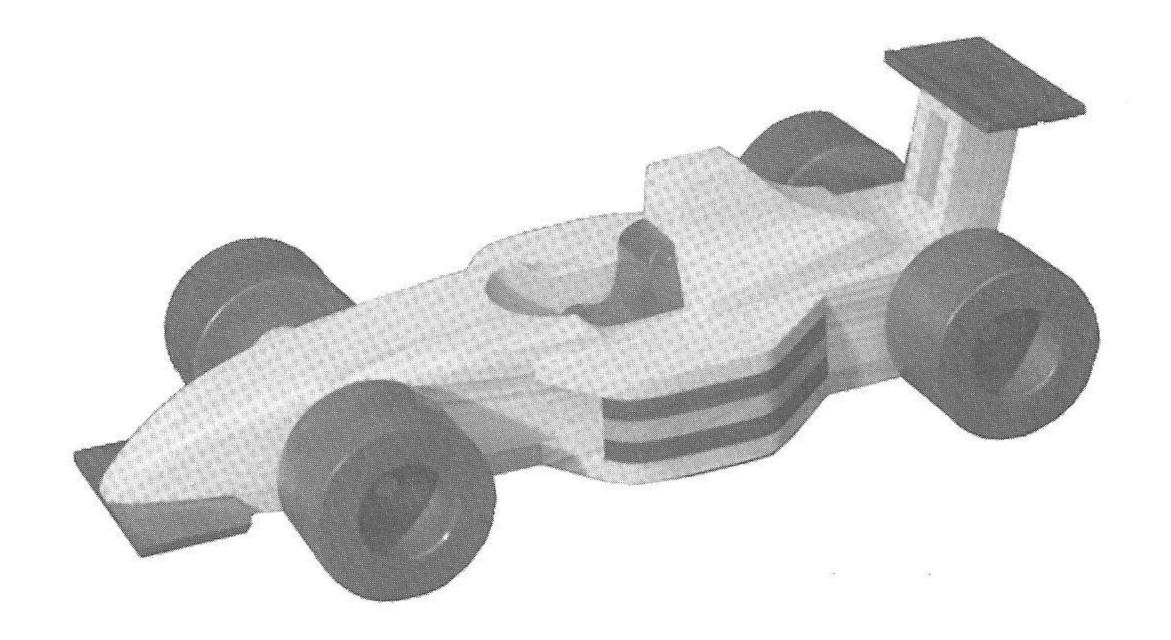








RACING CAR



Start by cutting materials needed using the List of Materials on page 17. Pay attention to the rough and finished size, and identify parts as they are cut.

Please note: Different types of wood can be used for the various parts. It is suggested, however, that hard wood be used since many of the parts would be much too fragile if using soft wood. We have used a combination of Maple, Pine, Oak and exotic woods such as Padauk (dark wood), Yellowheart (light colour) and Mahogany (dark wood) to give the models a nice contrast!

Step 2

Parts C1 to C3 are already complete. Parts C4 to C6 will need a few more steps. See the Parts Drawing section on page 18 for more details.

Step 3

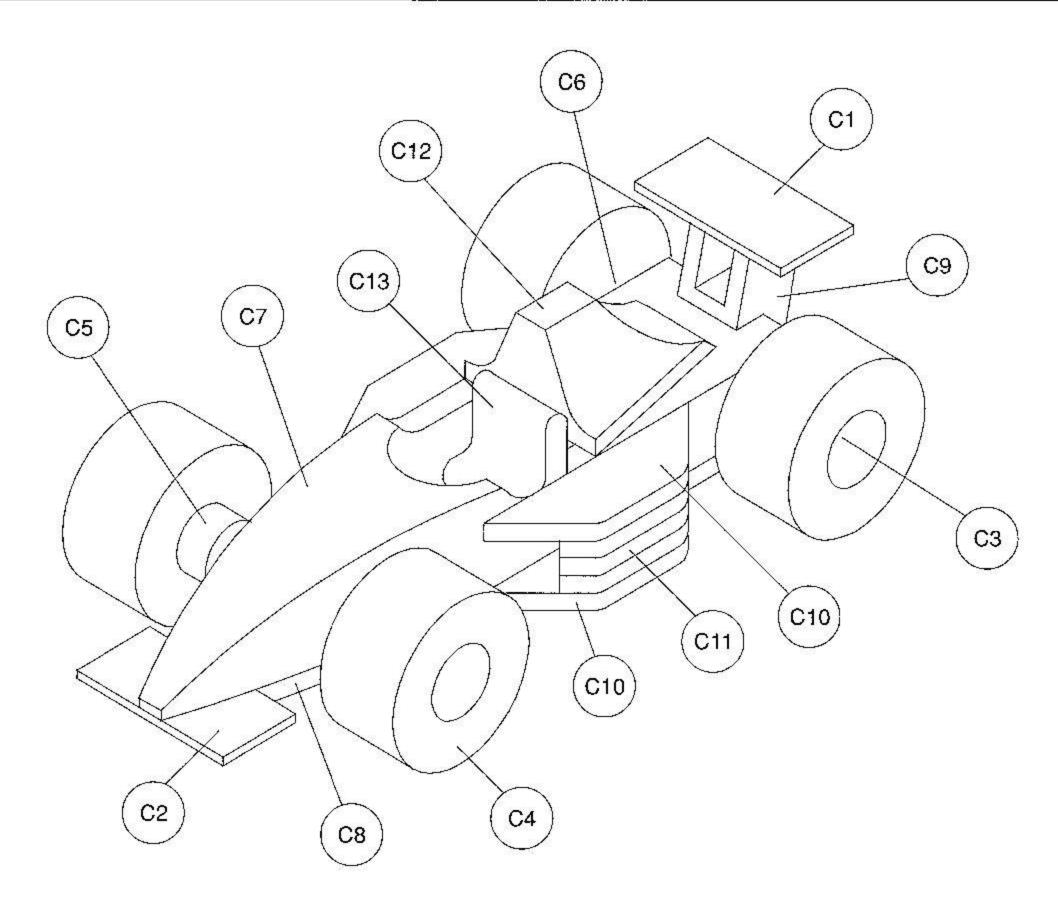
Parts C7 to C13 require removing the Full-Sized Patterns sheet found on pages 97 and 99 of the Appendix. Cut out the patterns, leaving approximately 1/16" all around, and place on the proper piece of wood. Patterns can be secured to the wood using either spray adhesive or rubber cement. If using the latter, cut and sand the part first to finished size. If drilling is required, mark the hole by inserting an awl or nail through the pattern into the wood. Remove the pattern before drilling.

Step 4

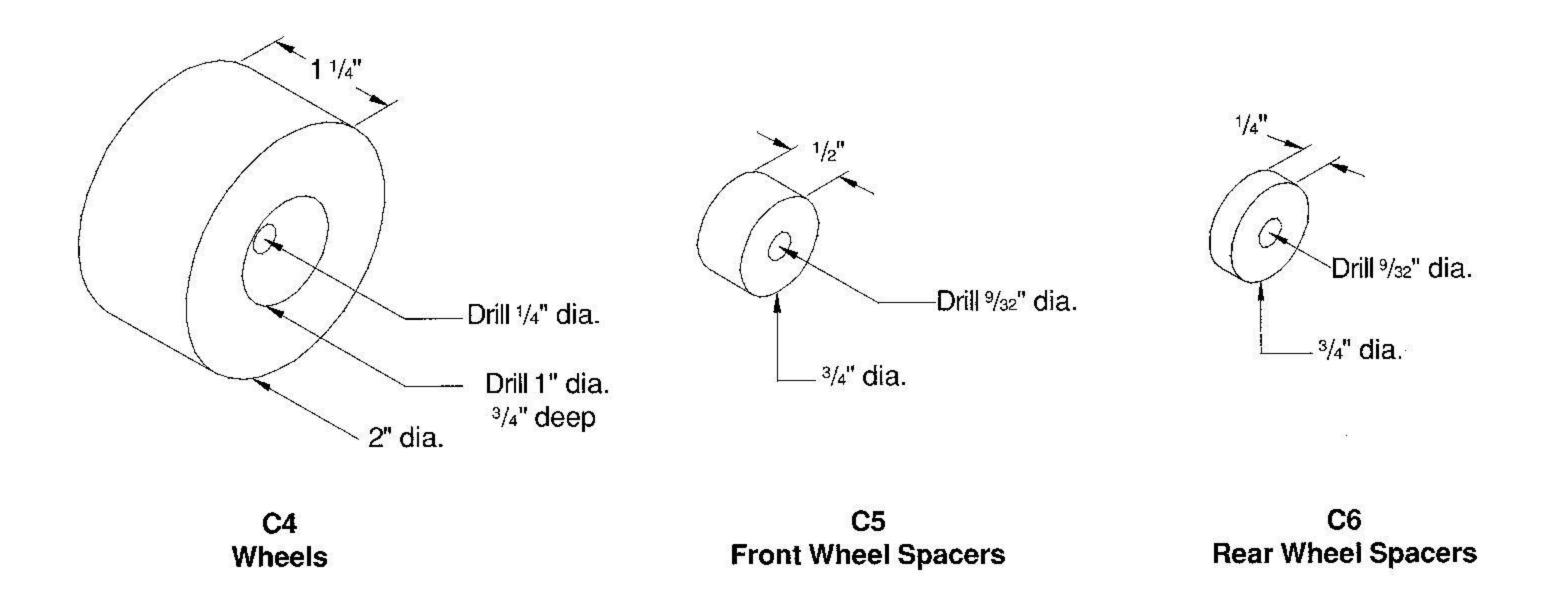
Follow the assembly drawings on pages 21 and 22 to complete your model.

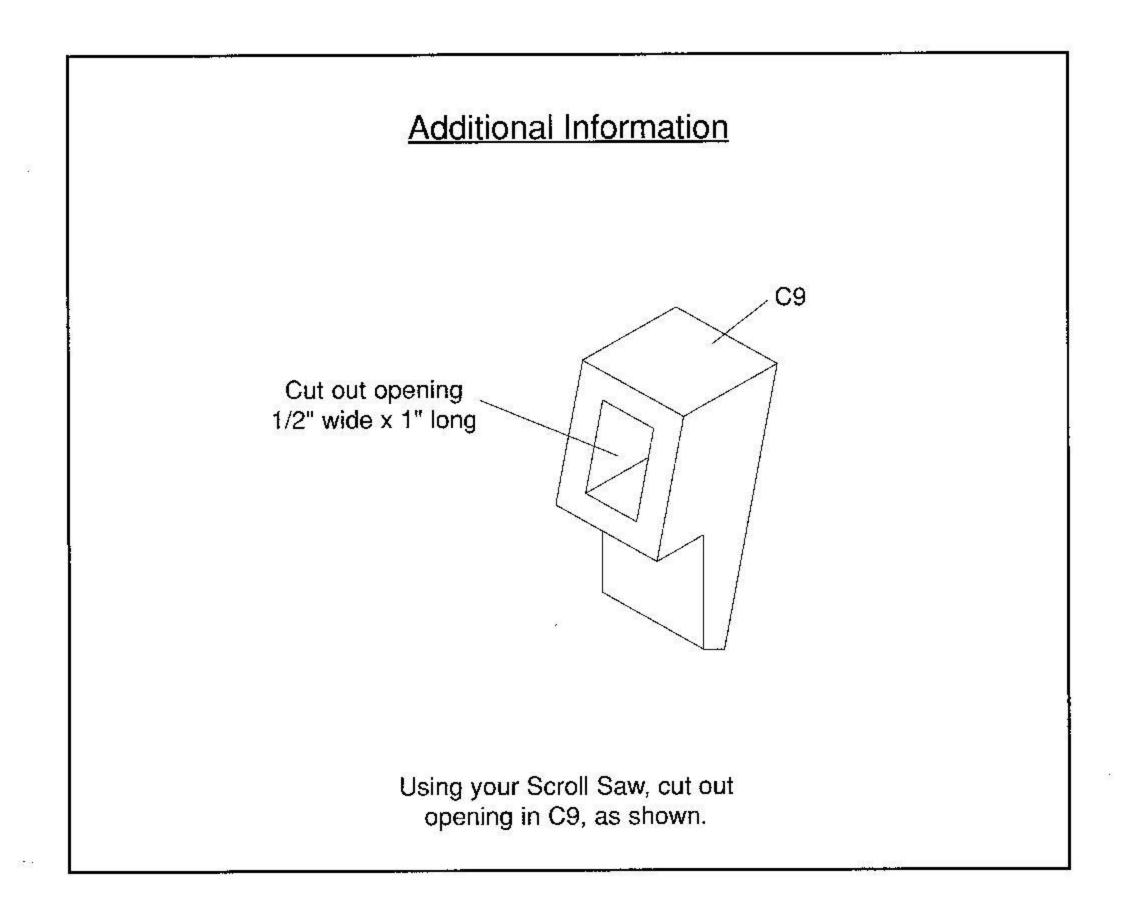
Please note: In order for this model to move properly, it is recommended that you apply a lubricant to wheels shafts. Lard is the cheapest and safest option. It is non-toxic and found in most households.

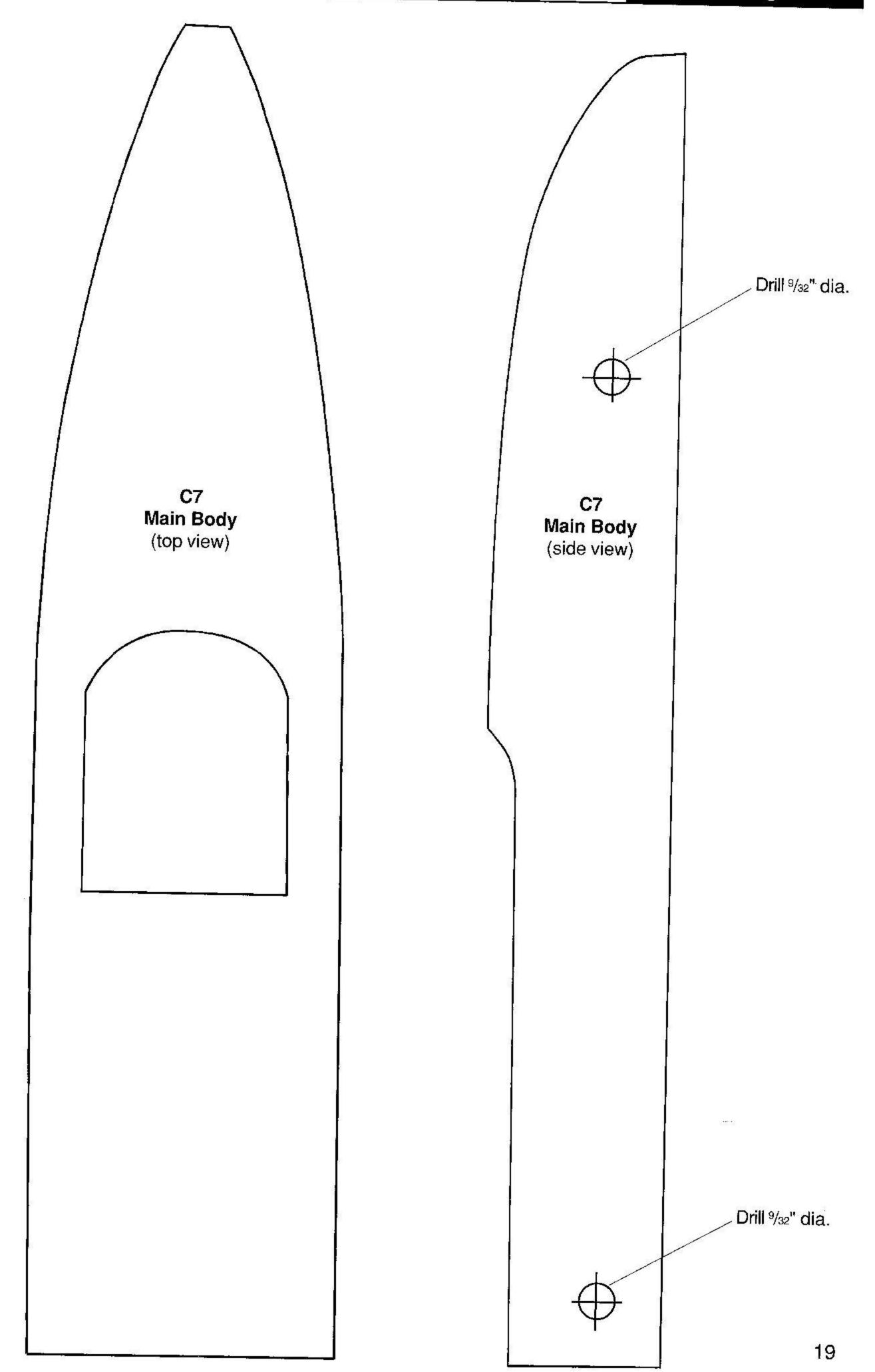
Using a rasp and/or sand paper, round all edges of the main body, wheels and upper vent to make these parts aerodynamic and realistic.

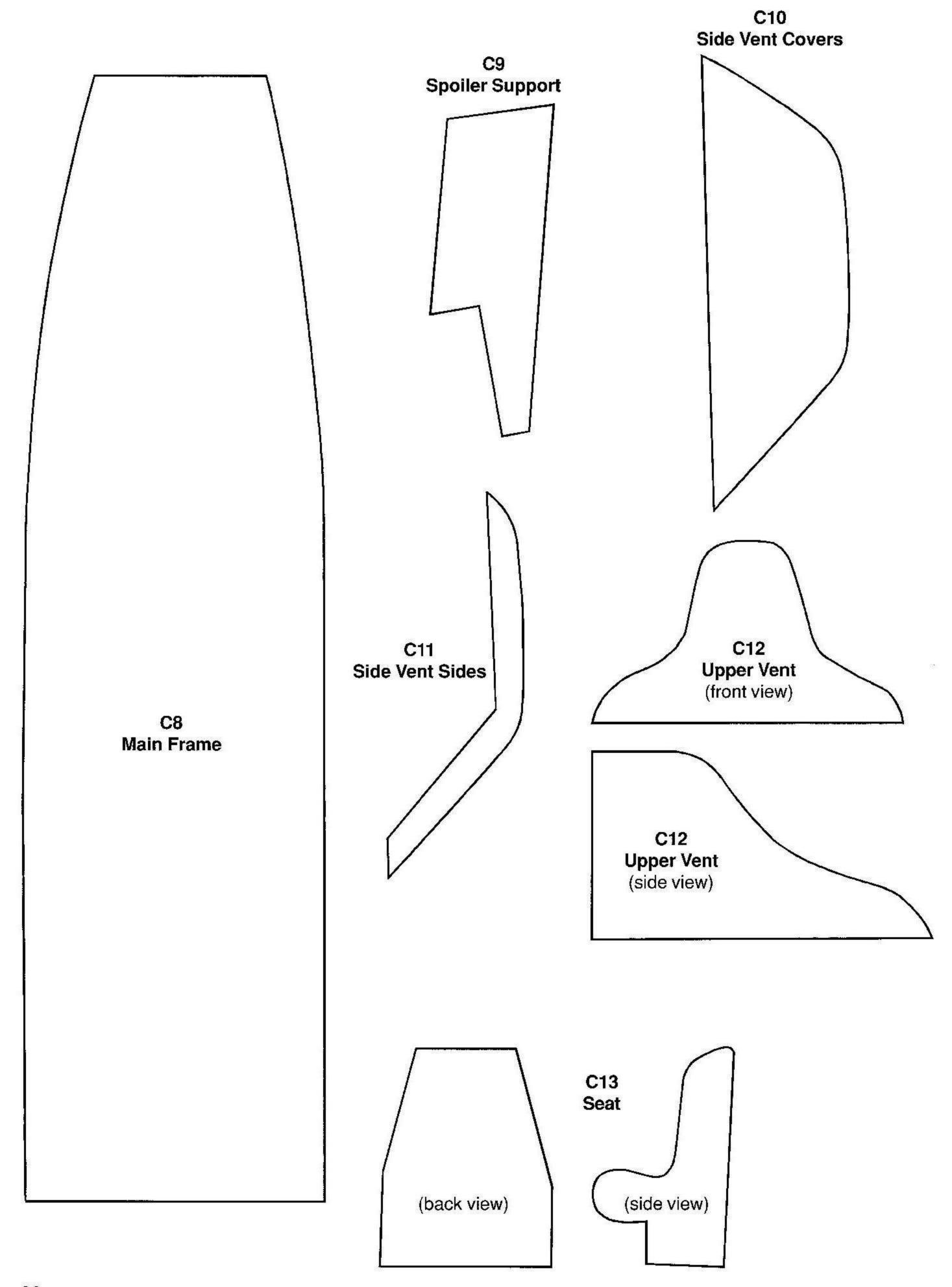


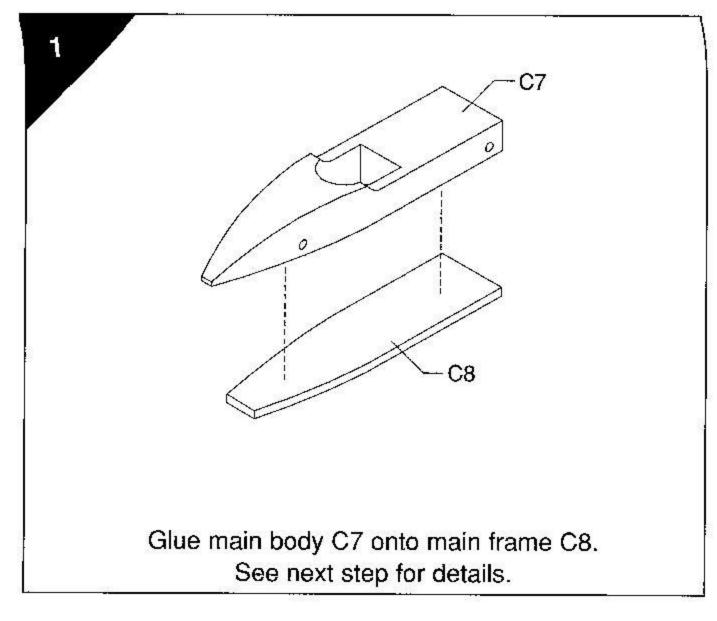
Part	Description	Qty.	T	W	L	Material	*
C1	Rear Spoiler	1	1/8"	1 1/4"	2 1/2"	Dark Wood	F
C2	Front Spoiler	1	1/8"	1 1/4"	2 1/2"	Dark Wood	F
C3	Wheel Shafts	2	1/4"	dia.	4"	Maple Dowel	F
C4	Wheels	4	1 1/4"	2" dia.		Dark Wood	F
C5	Front Wheel Spacers	2	1/2"	³/₄" dia.		Maple	F
C6	Rear Wheel Spacers	2	1/4"	³/4" dia.		Maple	F
G 7	Main Body	1	1 ½"	2 1/2"	10 ¹/₄"	Pine	R
C8	Main Frame	1	1/4"	2 1/2"	9"	Maple	R
C9	Spoiler Support	1	1"	1 1/8"	2 ³ / ₄ "	Maple	R
C10	Side Vent Covers	4	1/4"	1 1/4"	3 ³ / ₄ "	Pine	R
C11	Side Vent Sides	6	1/4"	1 1/4"	3 1/4"	4 dark, 2 light	R
C12	Upper Vent	1	1 ³ /4"	2 5/8"	2 7/8"	Pine	R
C13	Seat		1 1/4"	1 1/2"	1 ⁷ /8"	Dark Wood	R

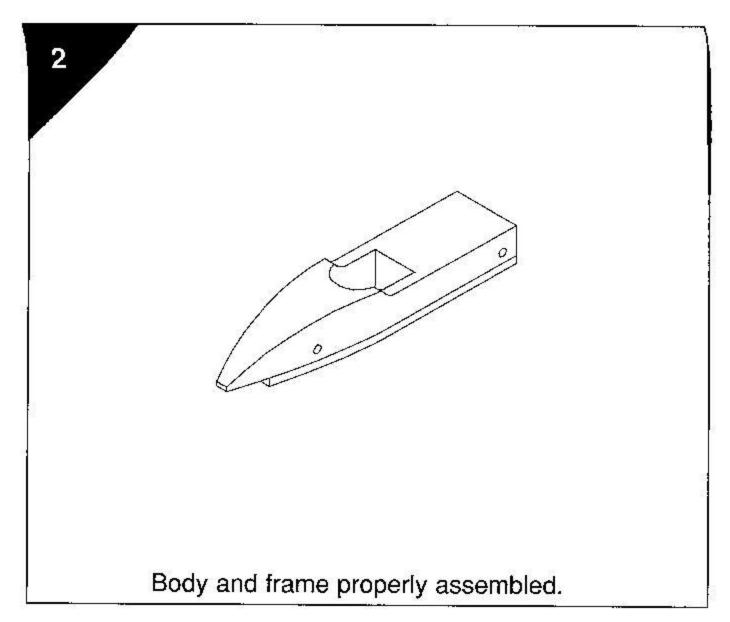


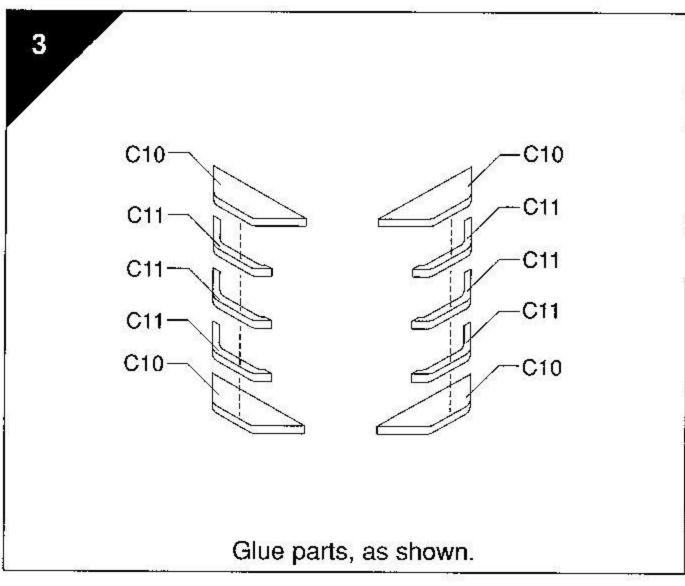


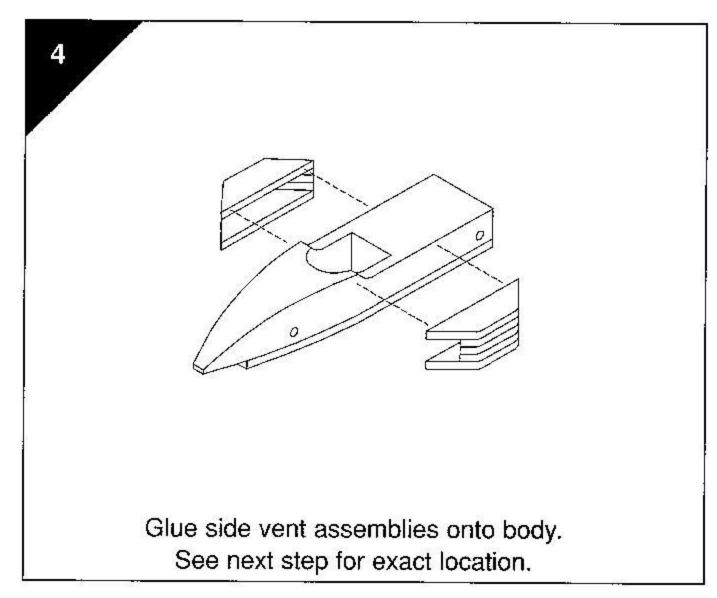


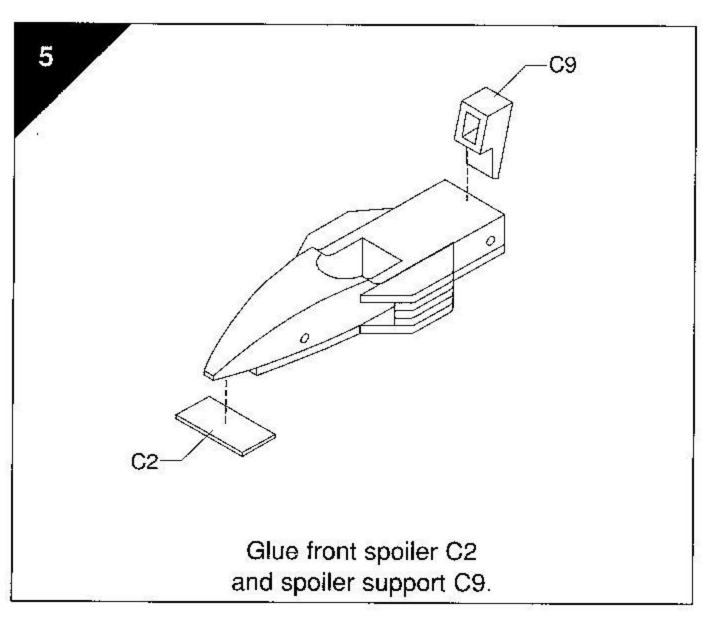


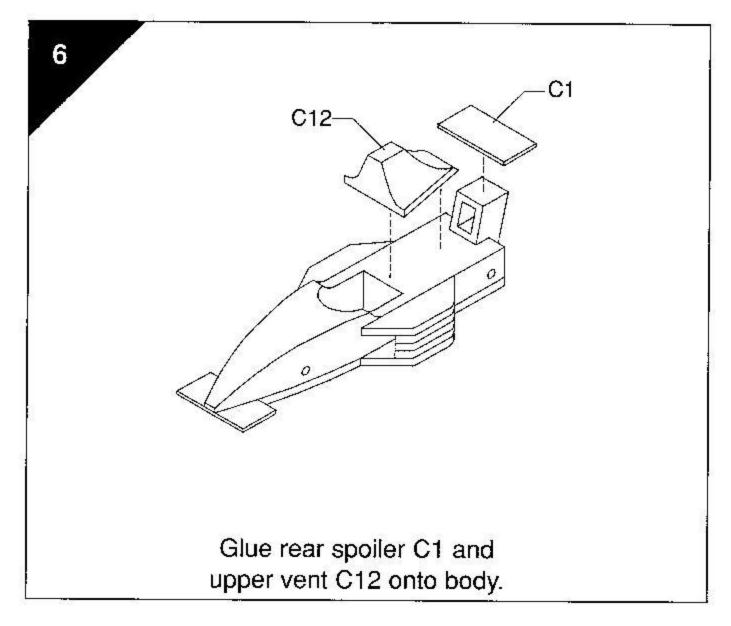


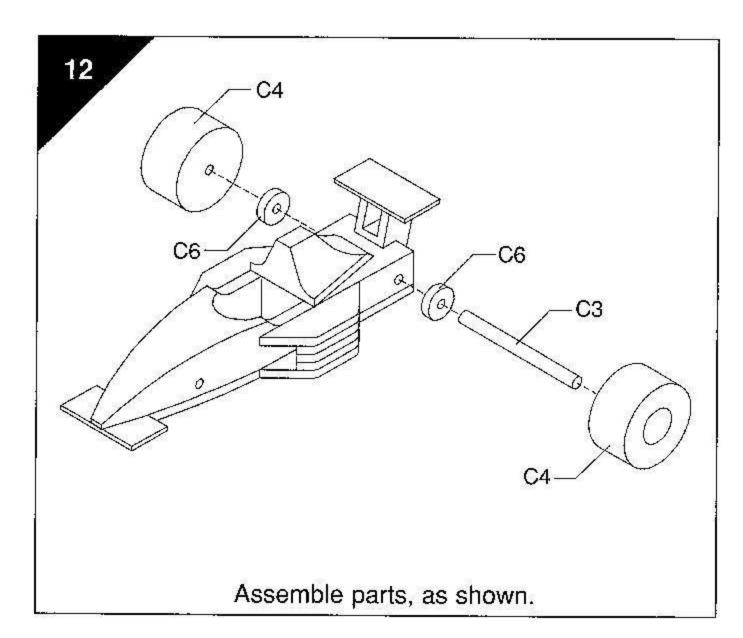


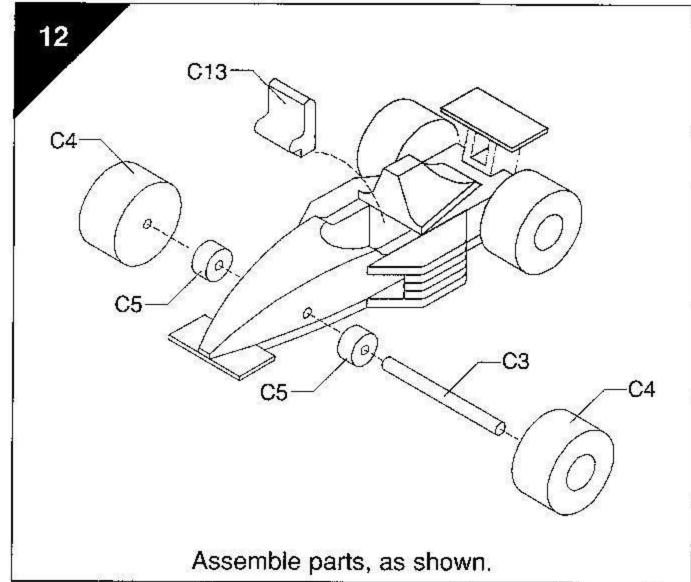


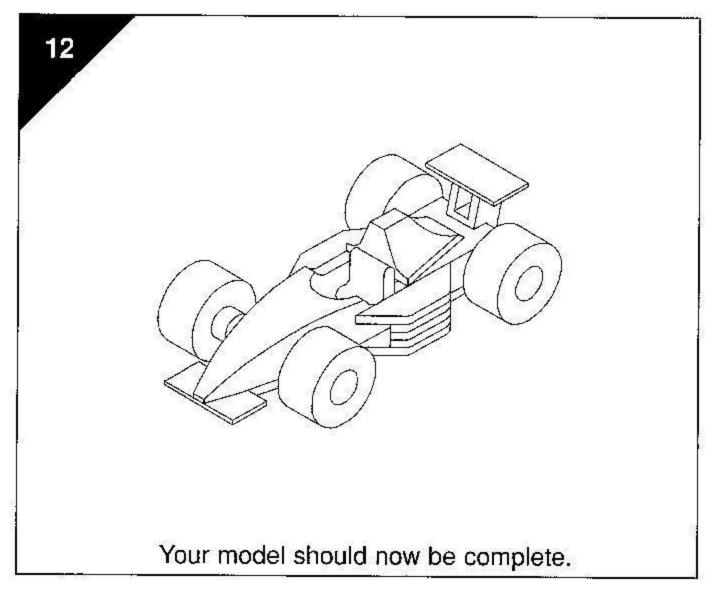




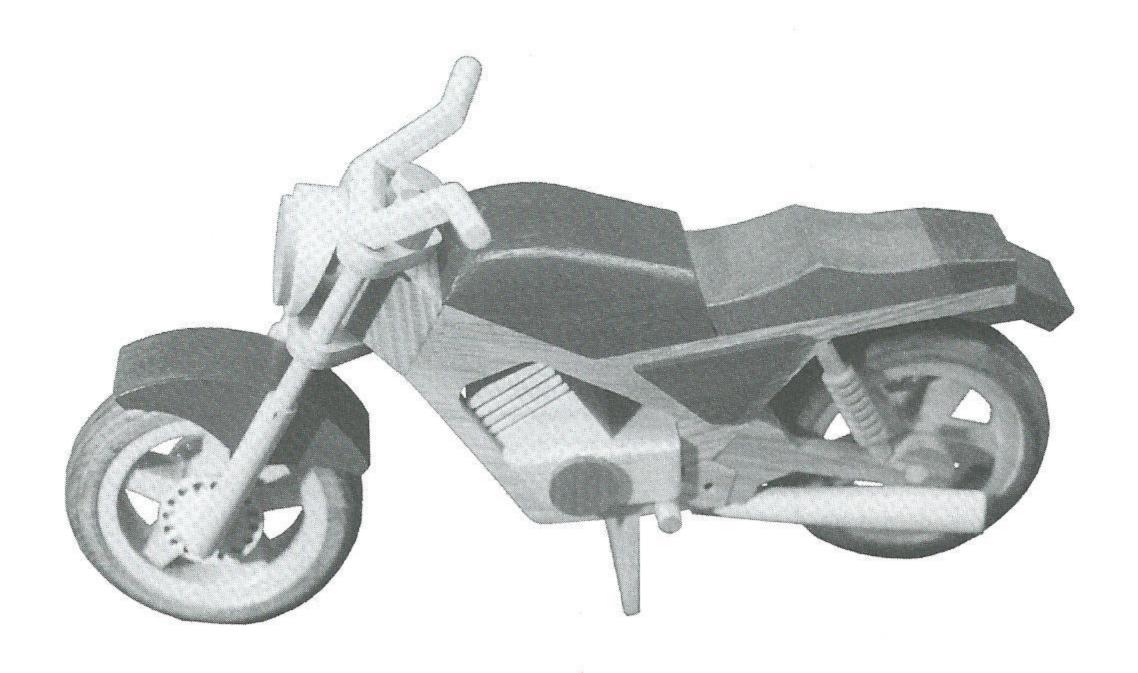








MOTORCYCLE



Start by cutting materials needed using the List of Materials on page 25. Pay attention to the rough and finished size, and identify parts as they are cut.

Please note: Different types of wood can be used for the various parts. It is suggested, however, that hard wood be used since many of the parts would be much too fragile if using soft wood. We have used a combination of Maple, Pine, Oak and exotic woods such as Padauk (dark wood), Yellowheart (light colour) and Mahogany (dark wood) to give the models a nice contrast!

Step 2

Parts M1 to M6 are already complete. Parts M7 to M9 will need a few more steps. See the Parts Drawing section on page 26 for more details.

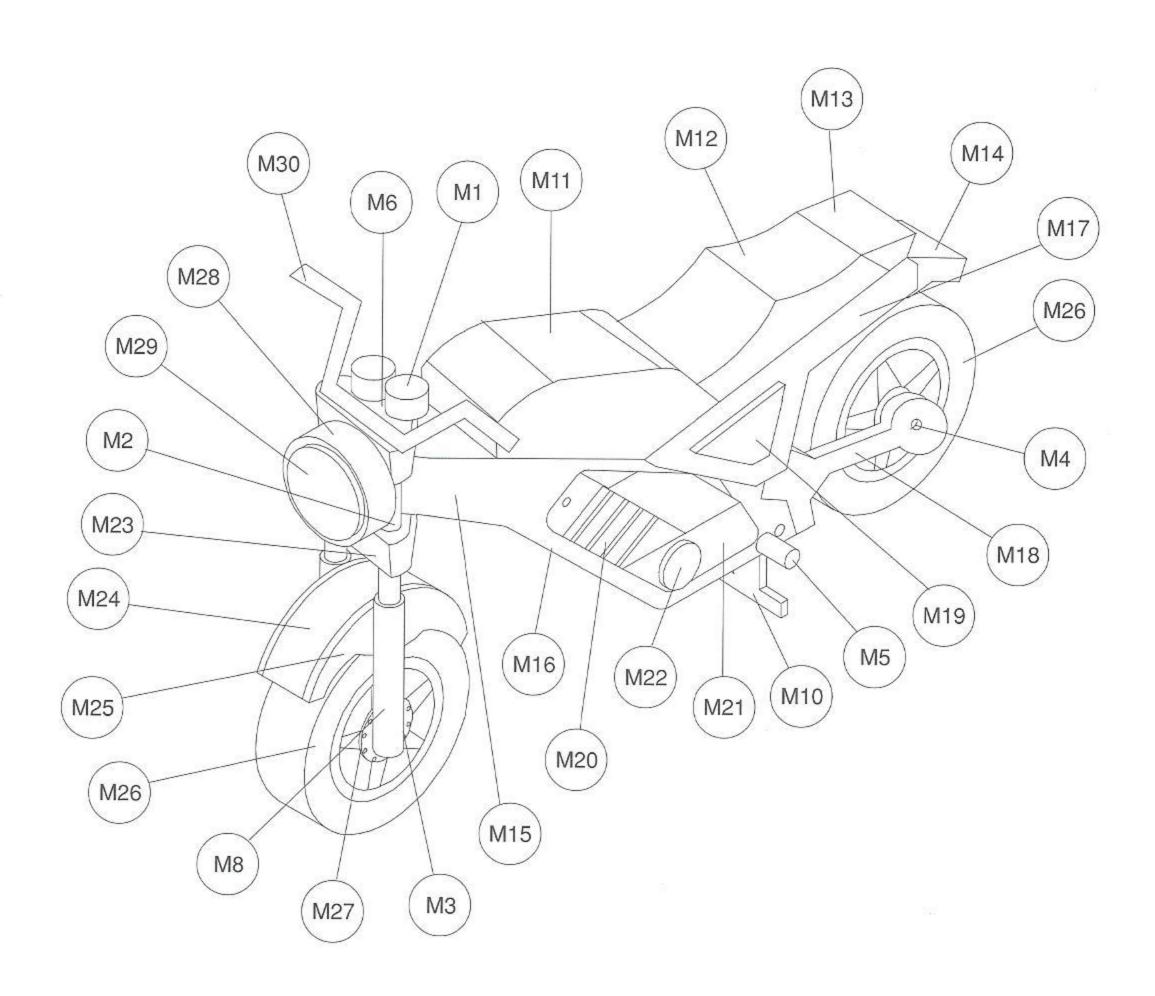
Step 3

Parts M11 to M30 require removing the Full-Sized Patterns sheet found on pages 101 and 103 of the Appendix. Cut out the patterns, leaving approximately ¹/¹6" all around, and place on the proper piece of wood. Patterns can be secured to the wood using either spray adhesive or rubber cement. If using the latter, cut and sand the part first to finished size. If drilling is required, mark the hole by inserting an awl or nail through the pattern into the wood. Remove the pattern before drilling.

To make the wheels, see instructions on pages 26 and 27.

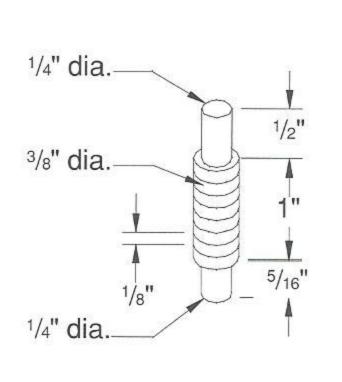
Step 4

Follow the assembly drawings on pages 30 to 32 to complete your model.



Part	Description	Qty.	Т	W	L	Material	*
M1	Speedometer & Tachometer	2	1/2	' dia.	3/8"	Maple Dowel	F
M2	Upper Front Forks	2	1/4	' dia.	2 3/4"	Maple Dowel	F
M3	Front Wheel Shaft	1	1/4"	' dia.	1 1/2"	Maple Dowel	F
M4	Rear Wheel Shaft	1	1/4"	' dia.	1 1/2"	Maple Dowel	F
M5	Foot Pegs	2	1/4"	' dia.	3/8"	Maple Dowel	F
M6	Steering Shaft	1	1/4"	dia.	1 1/2"	Maple Dowel	F
M7	Rear Shocks	2	3/ ₈ "	dia.	3"	Maple Dowel	R
M8	Lower Front Forks	2	3/8" dia.		2 1/8"	Maple Dowel	F
M9	Muffler	1	1/2" dia. 3 3/4"			Maple Dowel	R
M10	Kick Stand	1	see drawing page 29			Maple	
M11	Fuel Tank	1	1 1/2" 1 7/8"		2 7/8"	Dark Wood	R
M12	Seat	1	3/4"	1 ⁵ / ₈ "	3 1/8"	Dark Wood	R
M13	Seat Brace	1	1/2"	1 1/4"	3/4"	Dark Wood	R
M14	Rear Fender	1	3/4"	1 1/4"	1 1/2"	Dark Wood	R
M15	Frame - Part 1 of 4	1	1"	2"	1"	Oak	R
M16	Frame - Part 2 & 3 of 4	2	1/4"	3 1/4"	3 1/2"	Oak	R
M17	Frame - Part 4 of 4	1	1 3/4"	1 ⁷ /8"	4"	Oak	R
M18	Swing Arm	1	1 1/2"	1 3/4"	2 3/4"	Oak	R
M19	Side Covers	2	1/8"	1 1/8"	2 1/8"	Dark Wood	R
M20	Engine Top	1	1 1/2"	1 3/4"	1 3/8"	Pine	R

Part	Description	Qty.	Т	W	L	Material	*
M21	Engine Base	1	1"	2"	2"	Maple	R
M22	Engine Covers	2	1/8"	3/4"	dia.	Dark Wood	F
M23	Fork Frames	2	1/4"	2 1/8"	1 1/4"	Maple	R
M24	Fender - Centre Piece	1	7/8 "	1 1/2"	2 3/4"	Dark Wood	R
M25	Fender Sides	2	¹ / ₁₆ "	1 1/2"	2 3/4"	Dark Wood	R
M26	Wheels	2	3/4"	3 1/4" dia.		Maple	F
M27	Disk Brakes	3	¹ /8 "	1 1/4"	1 1/4"	Maple	R
M28	Headlight Frame	1	5/8"	1 1/2"	1 1/2"	Maple	R
M29	Headlight	1	1/8"	1 ½" dia.		Light Colour	F
M30	Handlebars	1	1/4"	1 7/8"	4"	Maple	R



Drill 1/4" dia.

5/8" deep

3/8" dia.

2 1/8"

Drill 1/4" dia.

1/4" deep

3/8" dia.

1/2" dia.

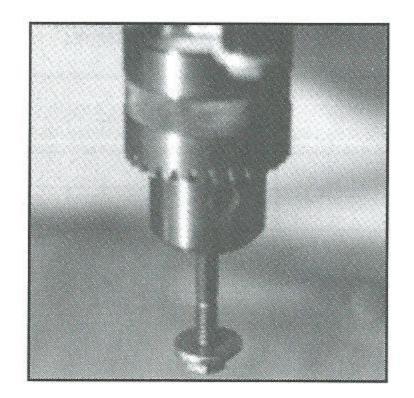
Drill 3/16" dia.

1 1/2" deep

M7 Rear Shocks

M8 Lower Front Forks

M9 Muffler



Recommended Jig for wheel construction

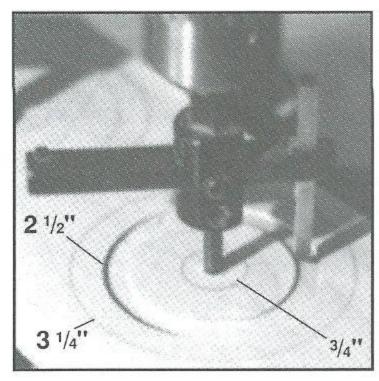
Material required for this jig

- 1/4" x 1 3/4" bolt
- 1/4" dia. washer
- 1/4" nut

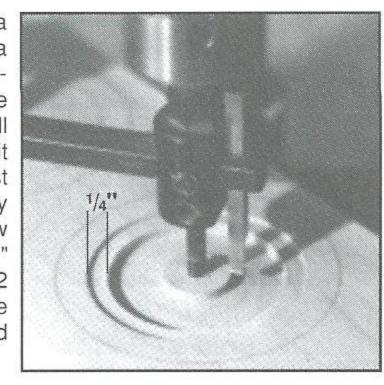
Take the bolt and remove the head. Mount the bolt to the drill chuck. Slide wheel onto bolt. Secure with washer and nut.

Steps for making the wheels

Important: Always unplug your drill press before making any adjustments, keep hands away from revolving cutter and clamp material securely before making any cuts.



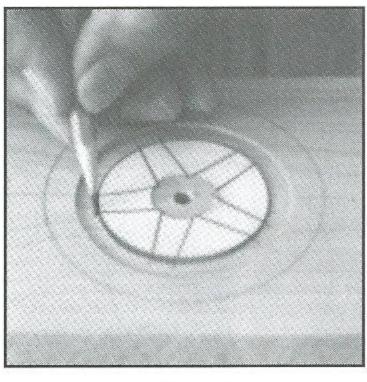
Step 1: From 3/4" maple, cut a piece 4" wide by 12" long. Use a compass to trace the three diameters for each wheel, marking the centre. Install circle cutter in drill press chuck and line up pilot bit with the centre mark for the first wheel. Clamp material securely and set drill press at a very low speed. Take a first cut 1/16" deep, while staying inside the 2 1/2" diameter circle. Adjust the cutter inward and take a second cut, again 1/16" deep.



Step 2: Trace a guideline 1/4" inside the 2 1/2" diameter. Adjust your cutter to this new guide and take a series of cuts (1/16" deeper than the first step) going towards the centre. Stop when you reach the 3/4" diameter circle. Unclamp the material and repeat the first two steps on the opposite side. Follow the same procedures for the second wheel.

Step 1

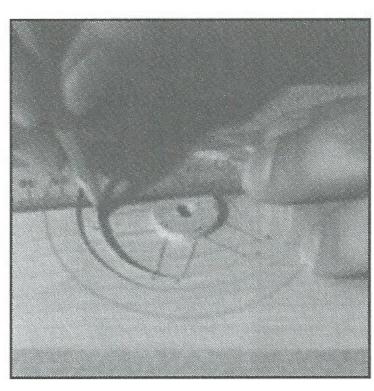




marked M26 on page 103. Use them to transfer the guidelines onto your wheel.

remove area between spokes.

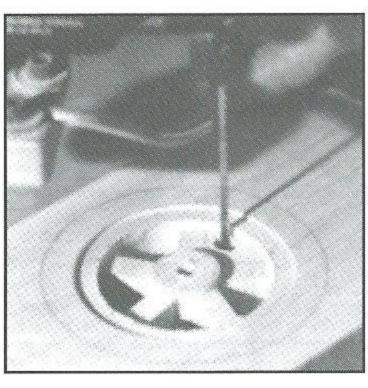
Step 3: Cut out the two patterns



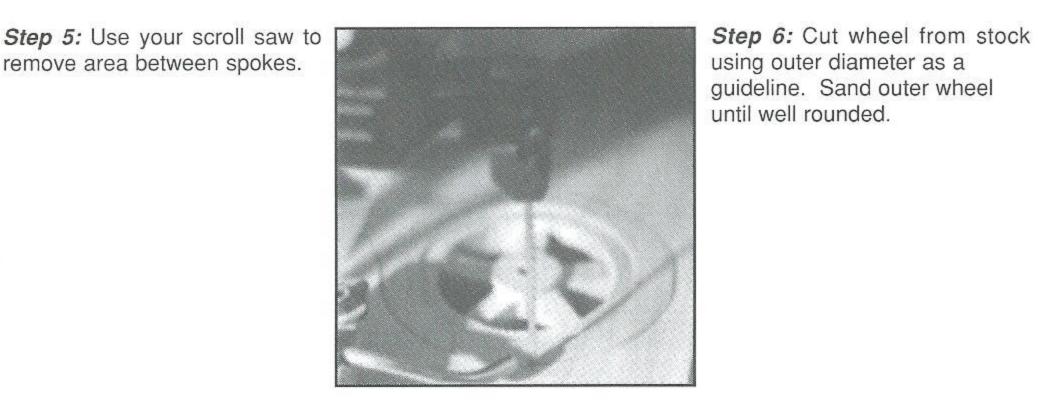
Step 4: Remove pattern and draw a straight line from outer guideline marks to inner marks.

Step 3

Step 4



Step 5

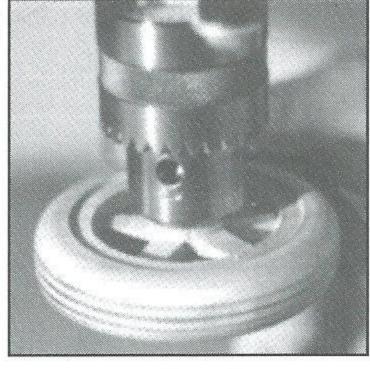


Step 6

Step 8: Use a triangular file to make narrow grooves on wheel surface. Grooves should be approximately 1/8" apart. Re-drill centre hole, this time using a 9/32" bit. Your wheel should now be complete.

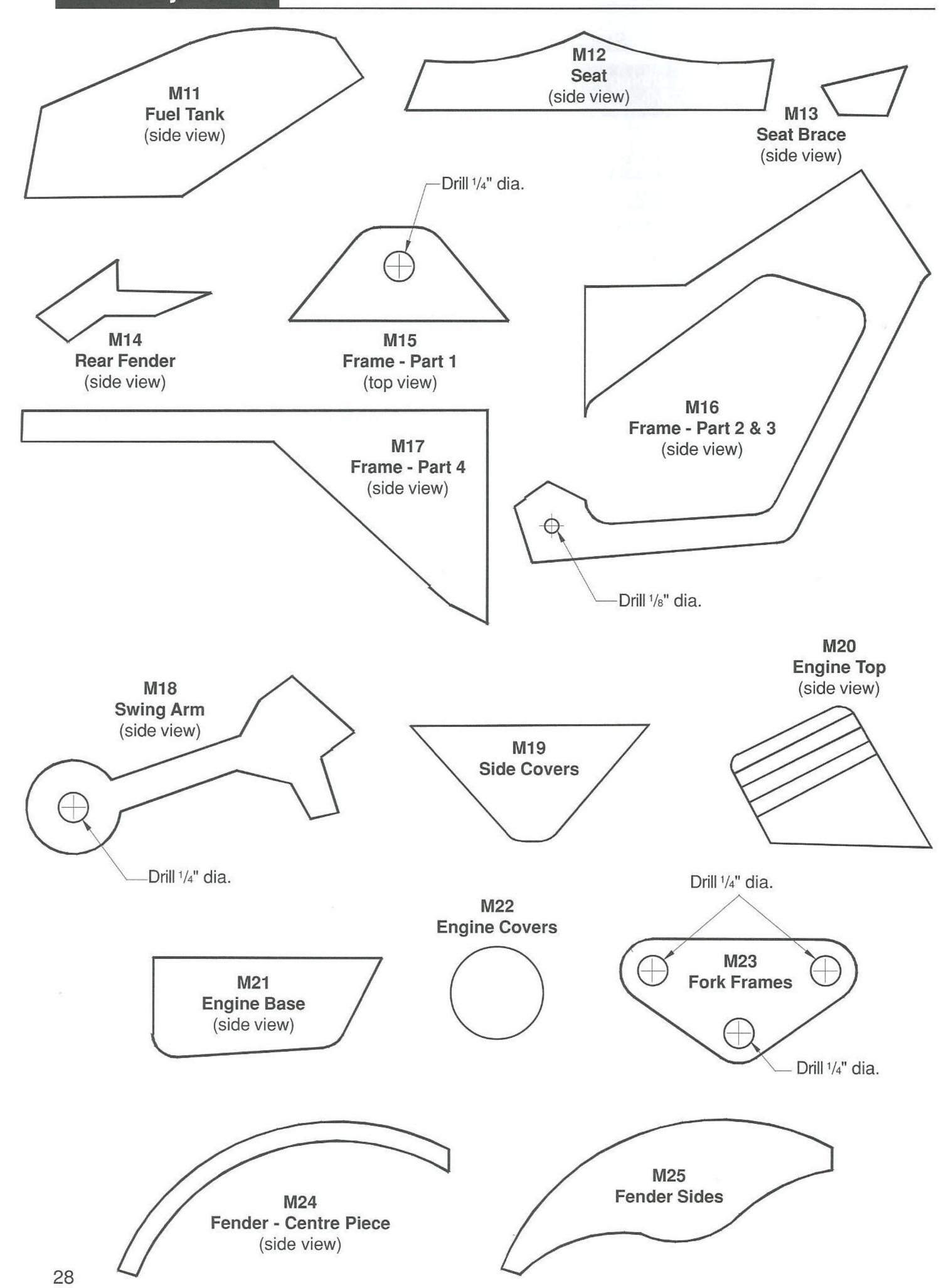


Step 7: Re-drill centre hole, this time using a 1/4" bit. Mount wheel as described on previous page. Using a low speed, file the outer edges to round off corners.

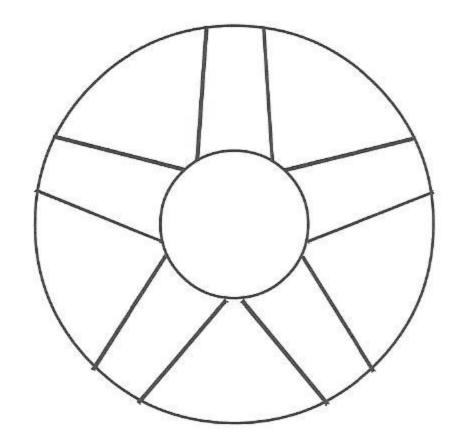


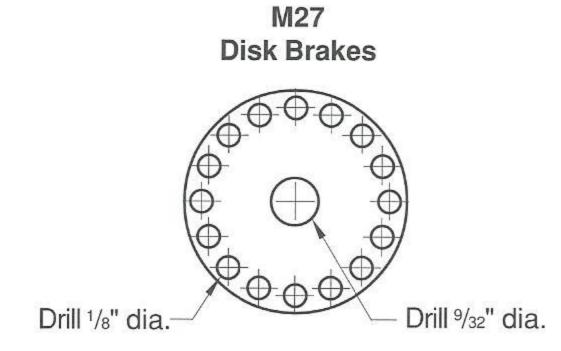
Step 8

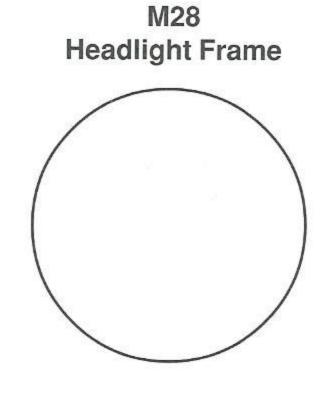
Step 7



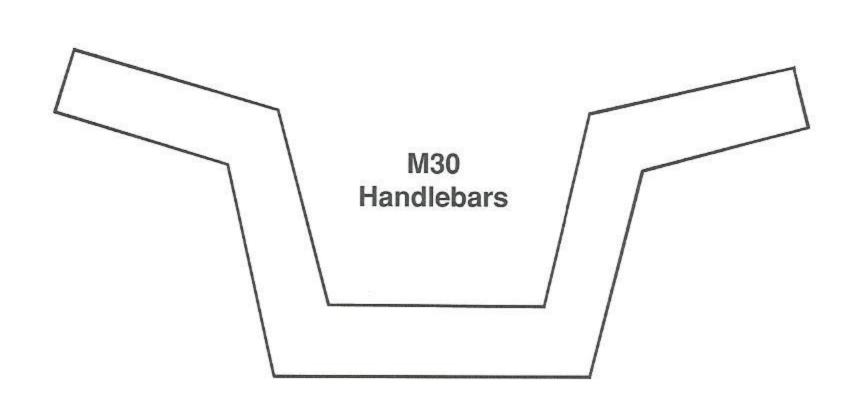
M26 Wheels (see details page 27)





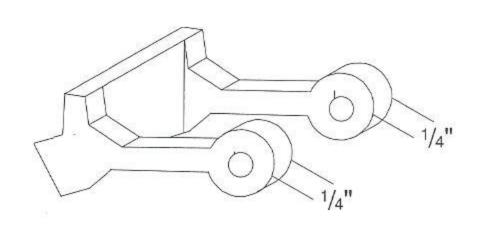






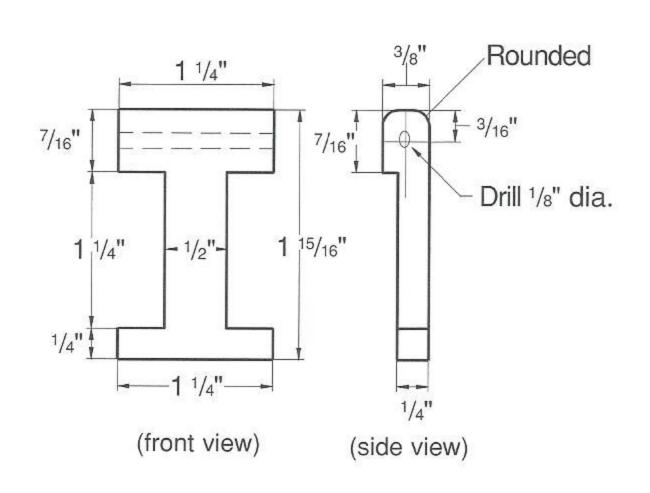
Additional Information

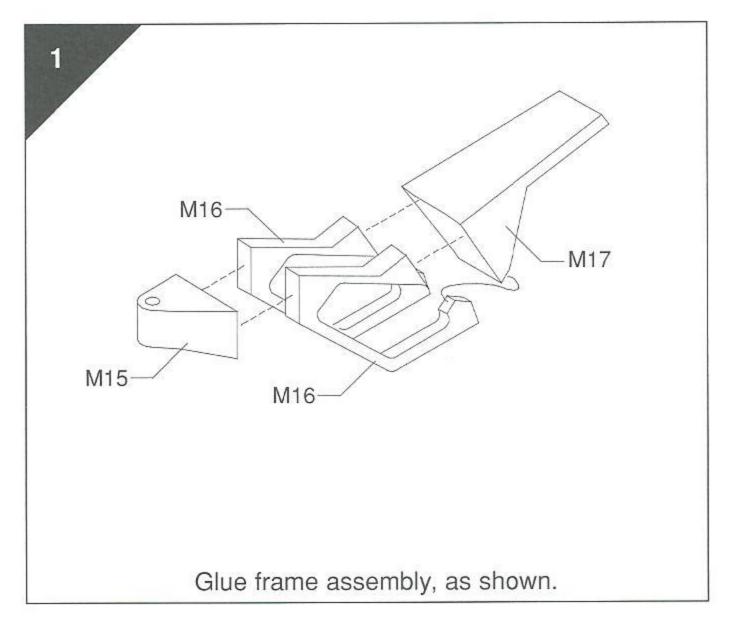
Swing Arm M18

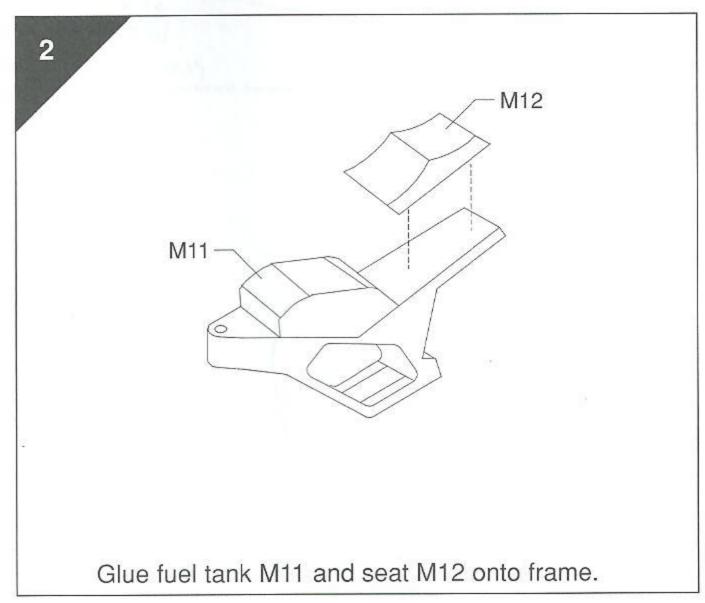


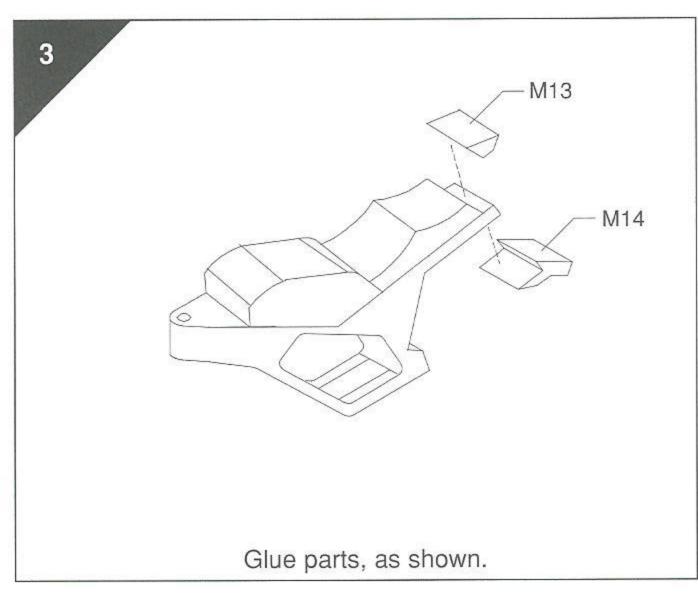
After you are done making Part M18, use your scroll saw to cut out the opening, as shown. Make sure the part is upside down when doing this operation.

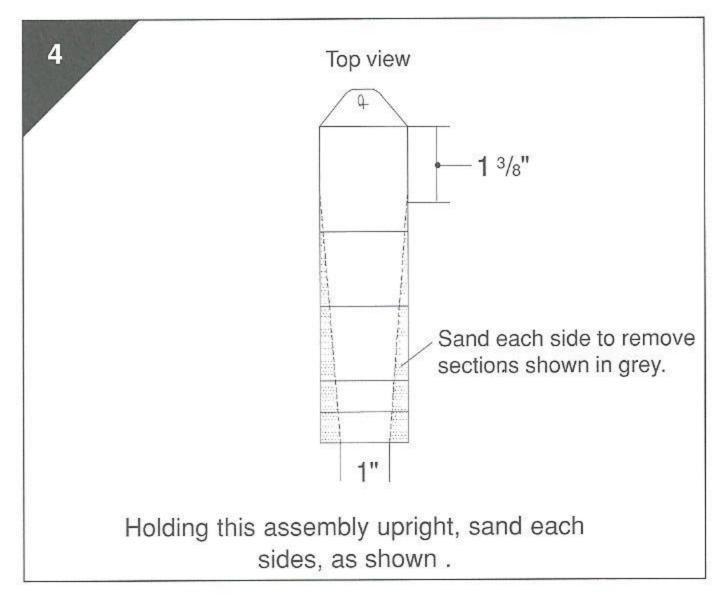
Kick Stand M10

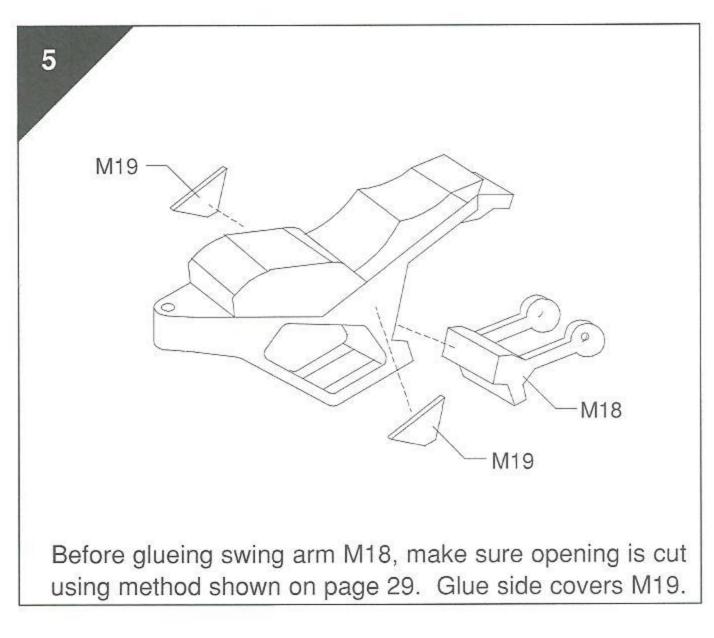


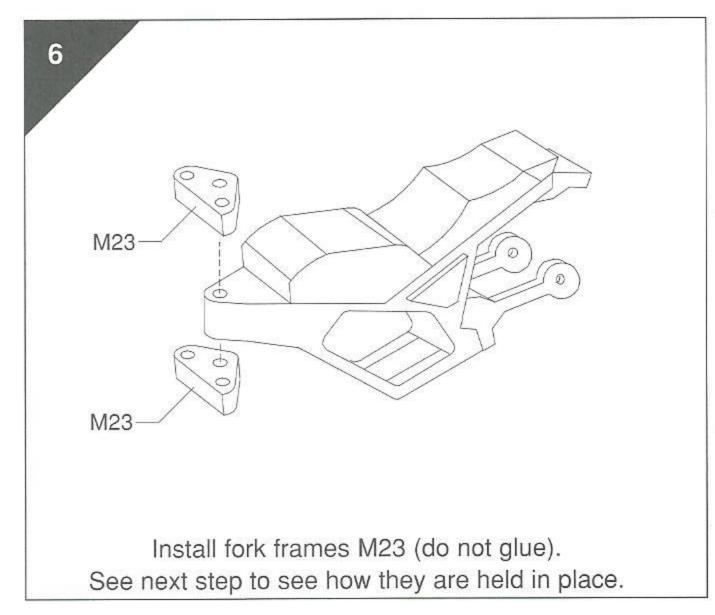


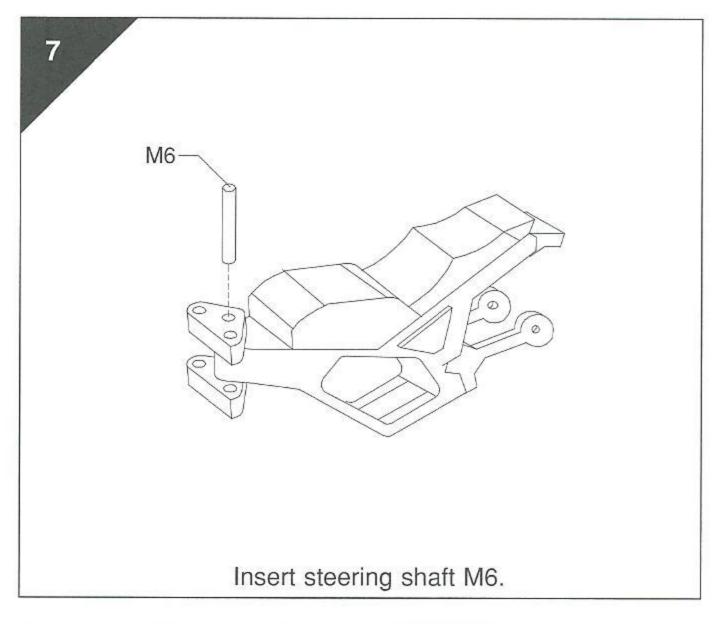


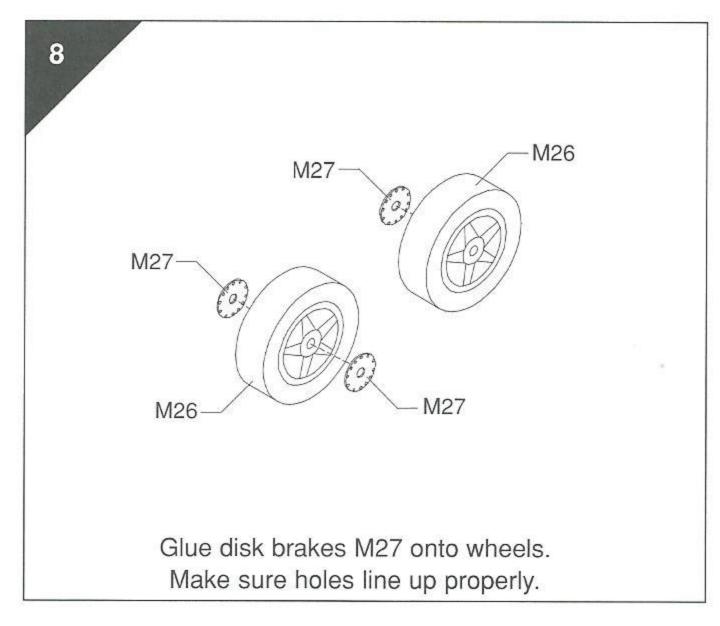


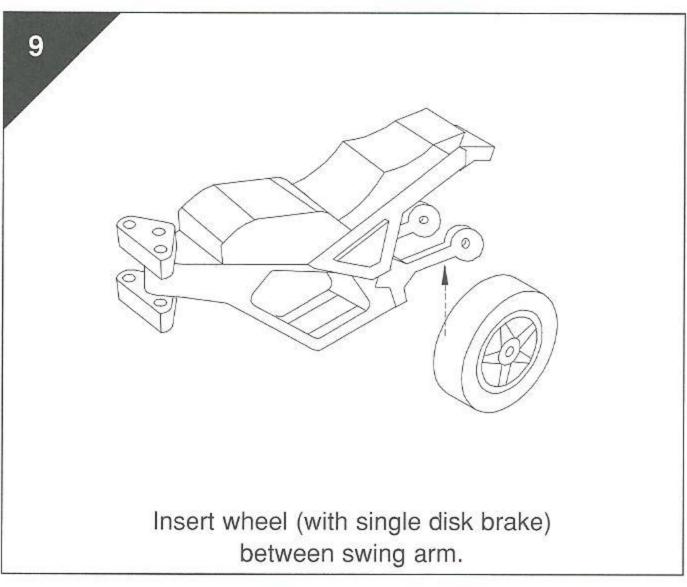


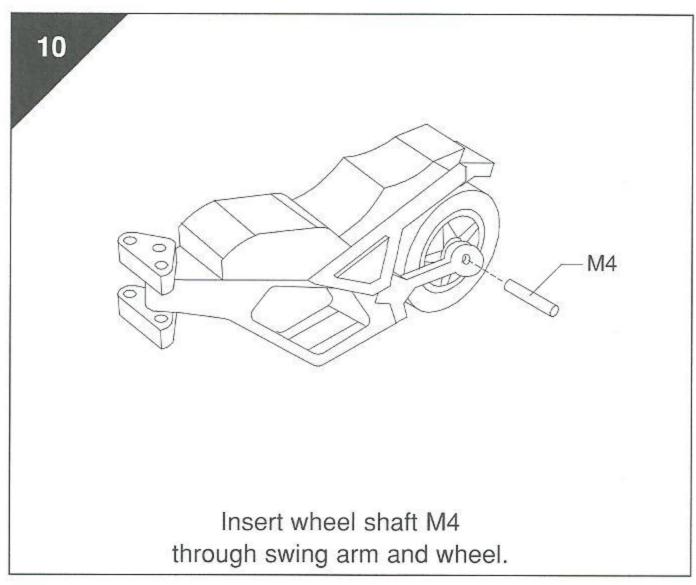


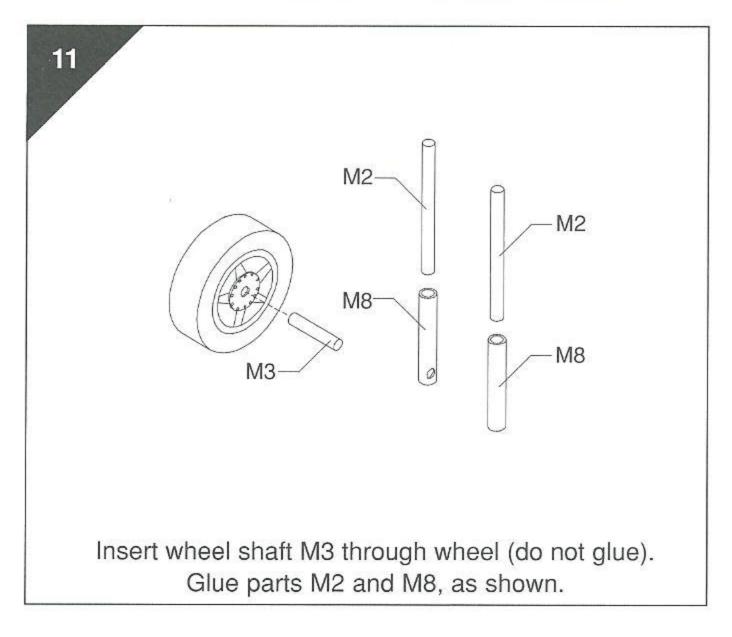


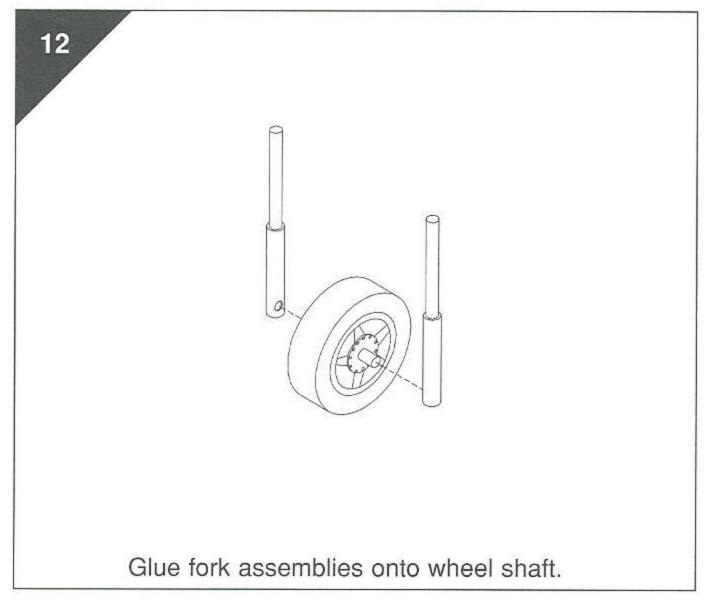


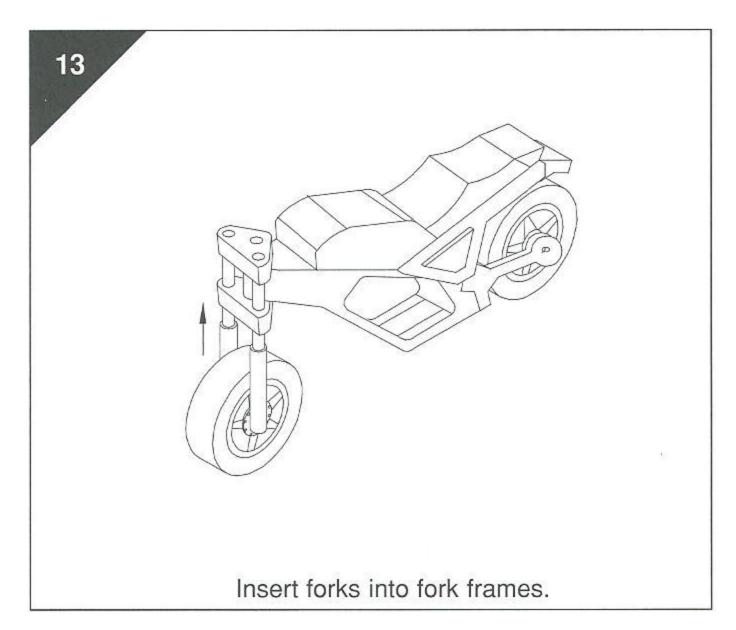


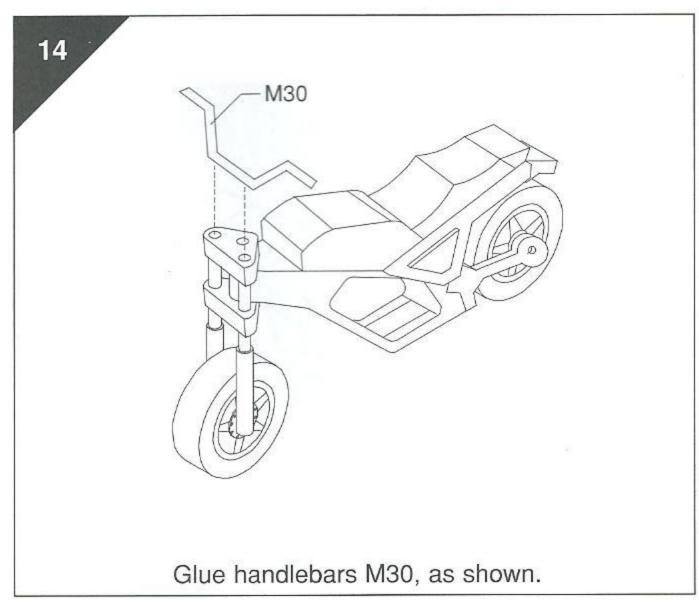


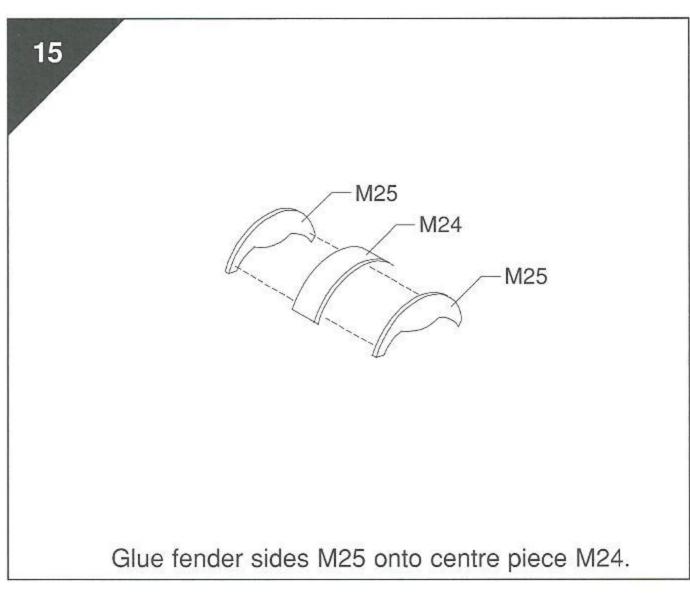


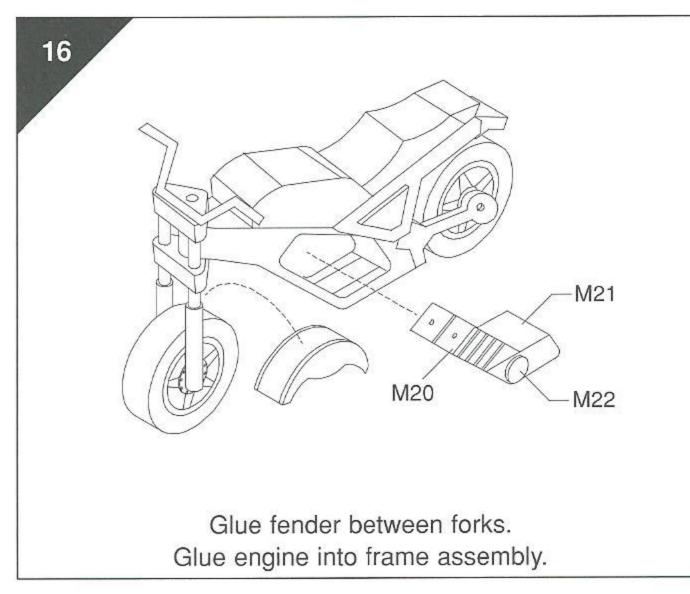


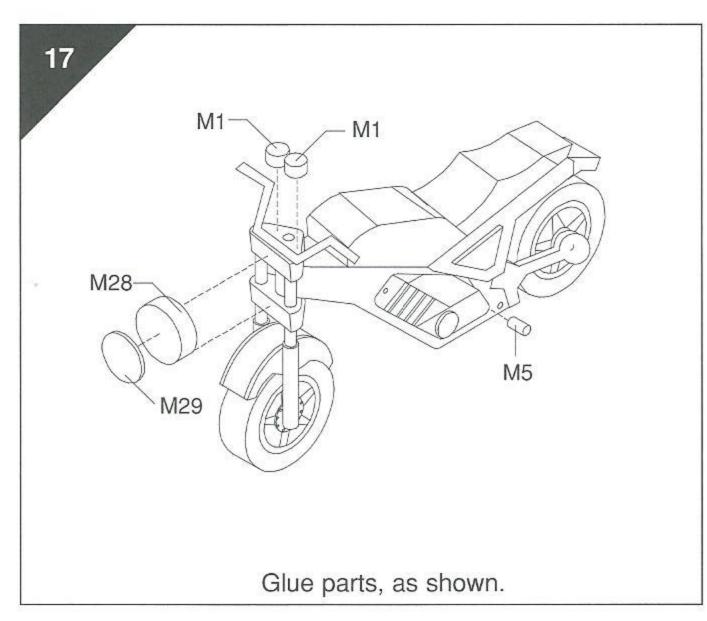


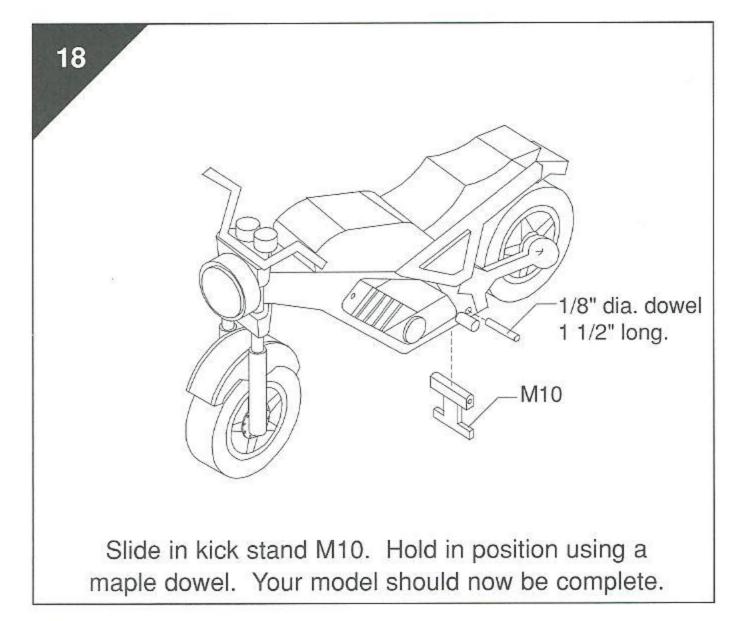












AIRLINER

Start by cutting materials needed using the List of Materials on page 35. Pay attention to the rough and finished size, and identify parts as they are cut.

Please note: Different types of wood can be used for the various parts. It is suggested, however, that hard wood be used since many of the parts would be much too fragile if using soft wood. We have used a combination of Maple, Pine, Oak and exotic woods such as Padauk (dark wood), Yellowheart (light colour) and Mahogany (dark wood) to give the models a nice contrast!

Step 2

Parts A2 and A4 are already complete. Parts A1 and A3 will need a few more steps. See the Parts Drawing section on page 36 for more details.

Step 3

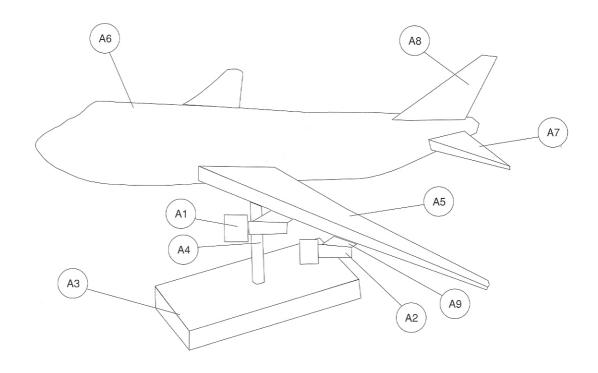
Parts A5 to A9 require removing the Full-Sized Patterns sheet found on pages 103 and 105 of the Appendix. Cut out the patterns, leaving approximately ¹/₁₆" all around, and place on the proper piece of wood. Patterns can be secured to the wood using either spray adhesive or rubber cement. If using the latter, cut and sand the part first to finished size. If drilling is required, mark the hole by inserting an awl or nail through the pattern into the wood. Remove the pattern before drilling.

Step 4

The Detailed Drawing on page 35 shows where to glue each part.

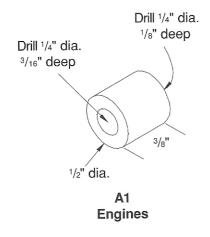
Additional Information: Using a rasp and/or sand paper, shape all parts to make them realistic and aerodynamic.

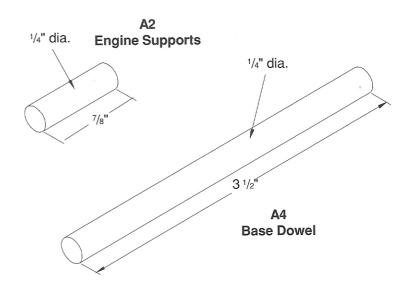
Once the engine frames (parts A9) are cut and sanded to finished size, additional sanding is required to ensure that they fit the contour of the wings.

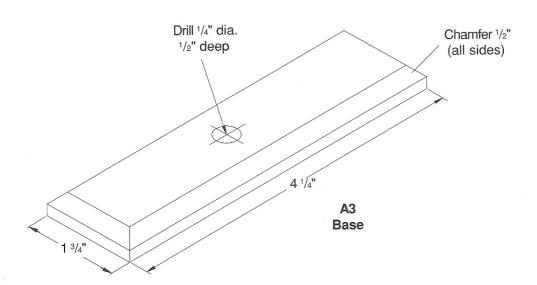


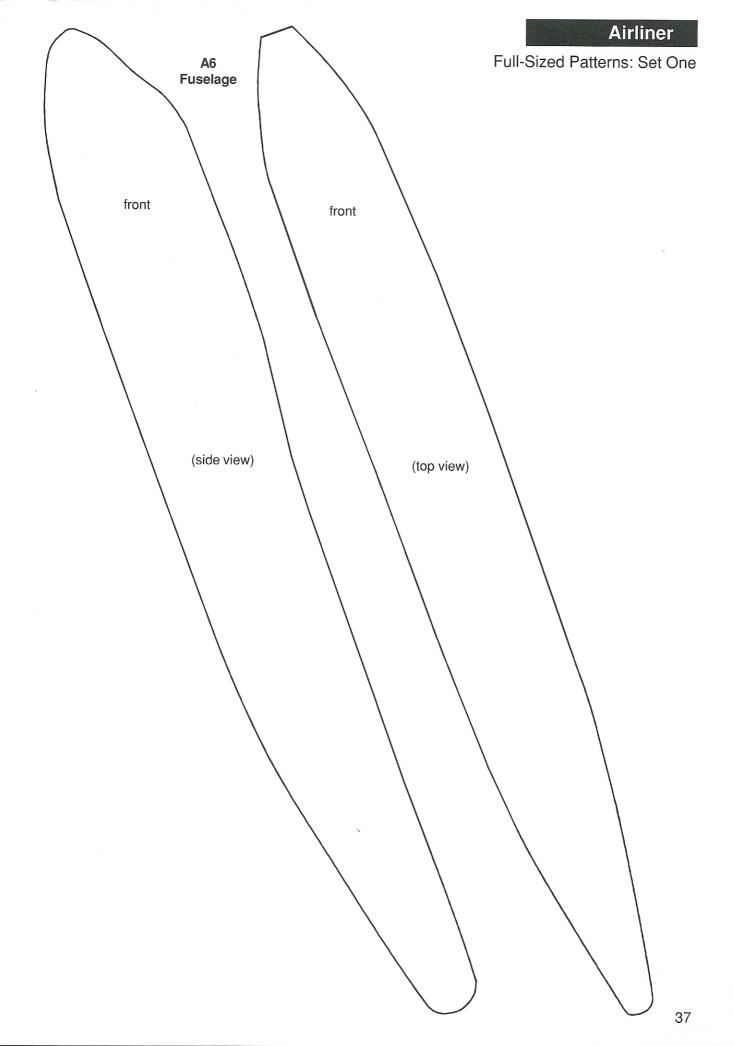
Р	art	Description	Qty.	T	W	L	Material	*
	A1	Engines	4	1/2"	dia.	3/8"	Maple Dowel	F
	A2	Engine Supports	4	1/4"	dia.	⁷ /8"	Maple Dowel	F
1	A3	Base	1	3/4"	1 ³ / ₄ "	4 1/4"	Oak	F
I	A4	Base Dowel	1	1/4" dia.		3 1/2"	Maple Dowel	F
F	A5	Wings	2	3/8"	2 1/8"	6 ³/4"	Pine	R
F	A6	Fuselage	1	1 ½"	1 ³ / ₄ "	11 1/4"	Pine	R
ļ	A 7	Stabilizers	2	1/4"	1 ³ / ₄ "	2"	Pine	R
ŀ	A8	Vertical Fin	1	1/4"	1 ⁷ /8"	3"	Pine	R
I	A 9	Engine Frames	4	1/8"	1/2"	1 3/4"	Maple	R

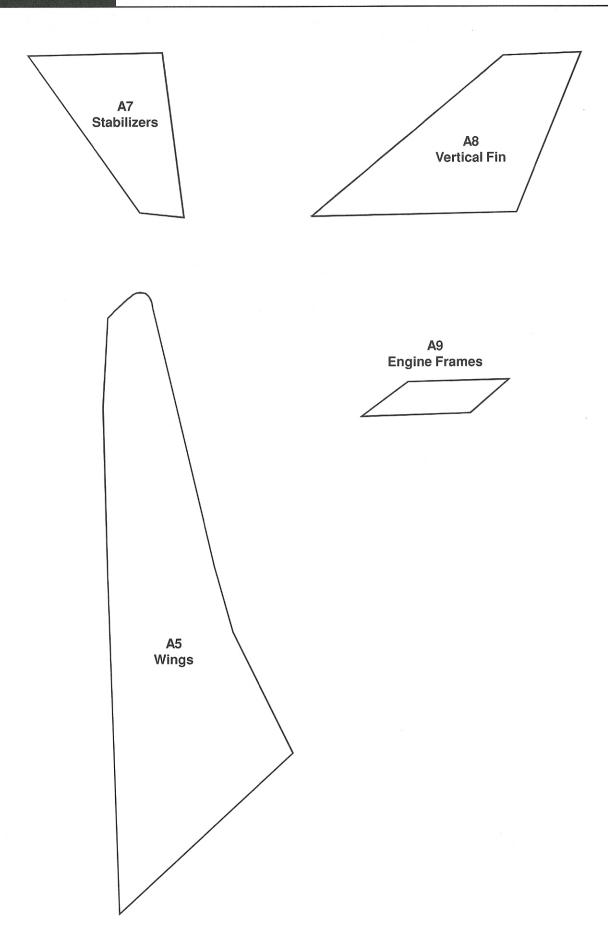
35



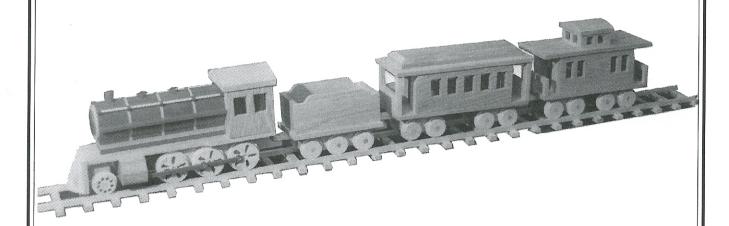








TRAIN SET



Step 1

Start by cutting materials needed using the List of Materials on page 10. Pay attention to the rough and finished size, and identify parts as they are cut.

Please note: Different types of wood can be used for the various parts. It is suggested, however, that hard wood be used since many of the parts would be much too fragile if using soft wood. We have used a combination of Maple, Pine, Oak and exotic woods such as Padauk (dark wood), Yellowheart (light colour) and Mahogany (dark wood) to give the models a nice contrast!

Step 2

Engine: Parts T1 to T10 are already complete. Parts T11 to T15, T24 and T25 will need a few more steps. See the Parts Drawing section on page 43 for more details.

Coal Car: Parts TC1 to TC5 are already complete. Part TC6 will need a few more steps. See the Parts Drawing section on page 49 for more details.

Passenger Car: Parts TP1 to TP5 are already complete. Parts TP6 to TP9 will need a few more steps. See the Parts Drawing section on page 52 for more details.

Caboose: Parts TL1 and TL2 are already complete. Parts TL3 to TL5 will need a few more steps. See the Parts Drawing section on page 57 for more details.

Step 3

Engine: Parts T16 to T28 require removing the Full-Sized Patterns sheet found on pages 107 and 109 of the Appendix.

Coal Car: Parts TC7 to TC10 require removing the Full-Sized Patterns sheet found on page 109 of the Appendix.

Passenger Car: Parts TP10 to TP14 require removing the Full-Sized Patterns sheet found on page 111 of the Appendix.

Caboose: Parts TL6 to TL12 require removing the Full-Sized Patterns sheet found on page 113 of the Appendix.

Cut out the patterns, leaving approximately 1/16" all around, and place on the proper piece of wood. Patterns can be secured to the wood using either spray adhesive or rubber cement. If using the latter, cut and sand the part first to finished size. If drilling is required, mark the hole by inserting an awl or nail through the pattern into the wood. Remove the pattern before drilling.

Step 4

Follow the assembly drawings to complete your model. (Engine: page 45 to 47; Coal Car: page 50; Passenger Car: pages 54 and 55; Caboose: pages 59 and 60.)

Please note: If you wish to display your train set, you can make a track using the drawing found on page 57.

Important: In order for this model to move properly, it is recommended that you apply a lubricant to wheel shafts and axle block holes. Lard is the cheapest and safest option. It is non-toxic and found in most households.

Part	Description	Qty.	Т	W	L	Material	*
Т1	Cabin Front	1	1/4"	2 1/4"	2 1/2"	Oak	F
T2	Boiler Base - 1	1	1/4"	1 1/4"	6 ³ / ₈ "	Light Colour	F
ТЗ	Boiler Base - 2	1	1/4"	1 1/4"	6 ³ / ₈ "	Dark Wood	F
T4	Runners	2	1/8"	3/8"	6 ³ / ₈ "	Dark Wood	F
T5	Main Boiler Vent	1	1/2"	dia.	3/4"	Dark Dowel	F
T6	Secondary Boiler Vents	2	1/2"	dia.	3/8"	Dark Dowel	F
T7	Rails	2	1/8"	dia.	6 ³ /8"	Maple Dowel	F
T8	Wheel Shafts	4	1/4"	dia.	2 1/4"	Maple Dowel	F
Т9	Hitch Frame	1	1/2"	3/4"	1 1/4"	Maple	F
T10	Hitch Dowel	1	¹/₄" dia.		1/2"	Maple Dowel	F
T11	Main Frame	1	1/4"	2 3/4"	9 5/8"	Oak	F
T12	Cabin Back	1	1/4"	2 1/4"	2 1/2"	Oak	F
T13	Rail Supports	10	1/8"	1/4"	dia.	Maple	F
T14	Axle Block - Front Wheels	1	3/4"	1 1/2"	1 ½"	Oak	F
T15	Axle Block - Main Wheels	1	1 1/4"	1 1/2"	4 1/2"	Oak	F
T16	Hitch	1	1/4"	3/4"	2 1/4"	Maple	F
T17	Cabin Sides	2	1/4"	2 3/4"	2 3/4"	Oak	F
T18	Roof	1	3/4"	3"	2 3/4"	Oak	F
T19	Boiler Bodies	4	1 1/2"	2 1/4"	2 1/4"	Dark Wood	R
T20	Boiler Divisions	3	1/8"	2 1/4"	2 1/4"	Light Wood	R

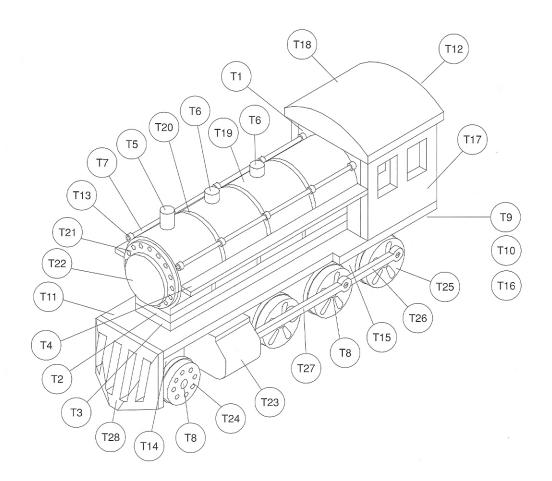
41

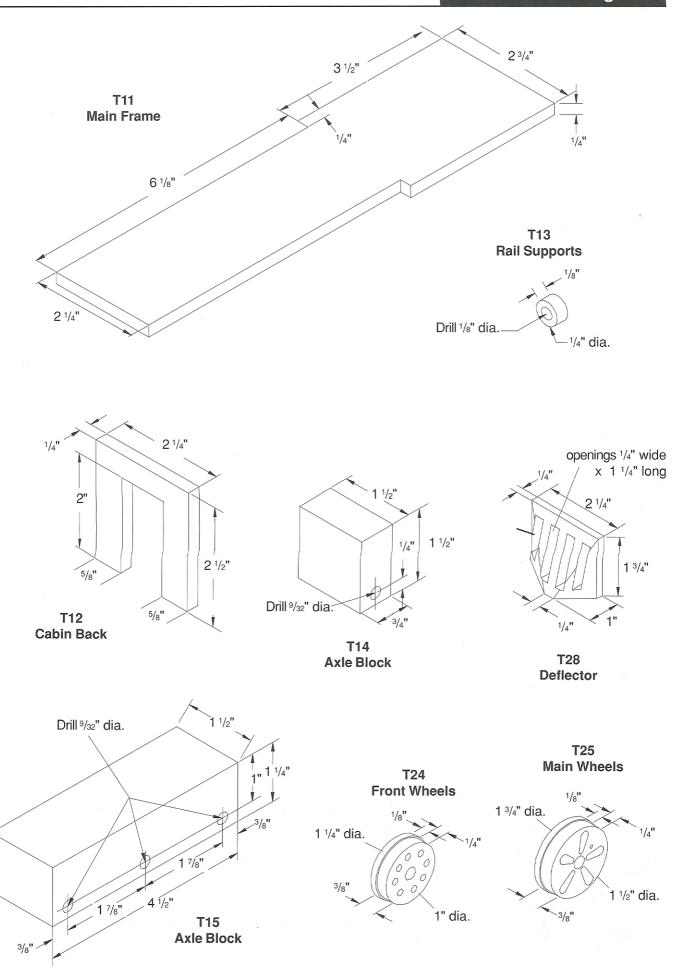
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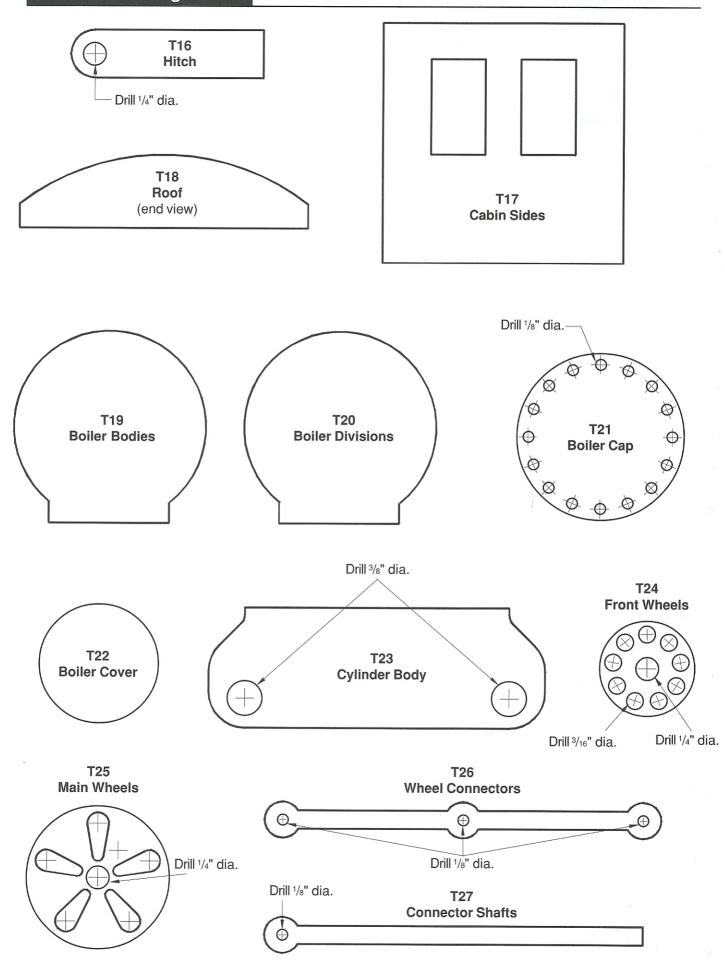
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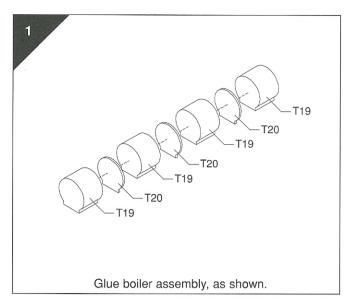
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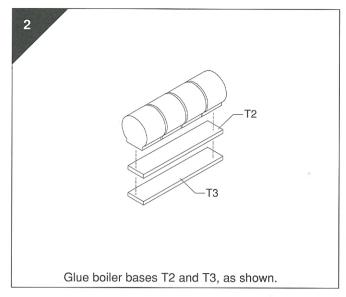
Pa	art	Description	Qty.	Т	W	L	Material	*
T	21	Boiler Cap	1	1/8"	2"	2"	Light Wood	R
T	22	Boiler Cover	1	1/8"	1 1/4'	' dia.	Dark Wood	F
T	23	Cylinder Body	1	1 1/4"	1 1/2"	3 3/4"	Oak	R
T	24	Front Wheels	2	3/8"	1 1/4" dia.		Maple	F
T	25	Main Wheels	6	3/8"	1 ³ / ₄ " dia.		Maple	F
T	26	Wheel Connectors	2	1/8"	1/2"	4 1/4"	Dark Wood	R
T	27	Connector Shafts	2	1/8"	1/2"	4 1/8"	Dark Wood	R
T.	28	Deflector	1	1"	1 3/4"	2 1/4"	Pine	F

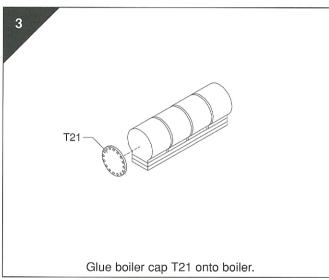


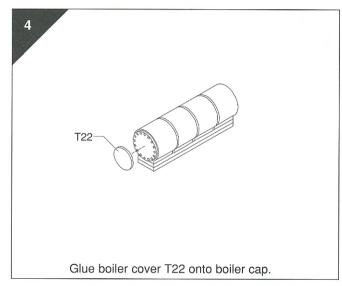


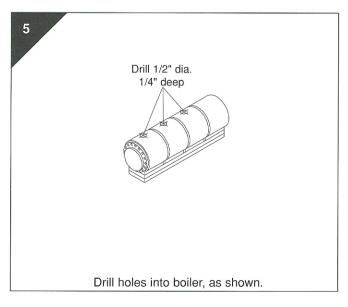


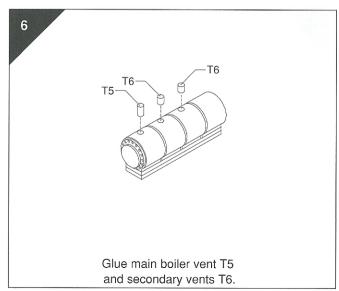


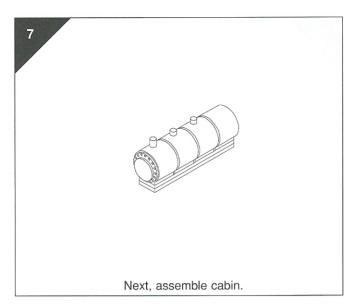


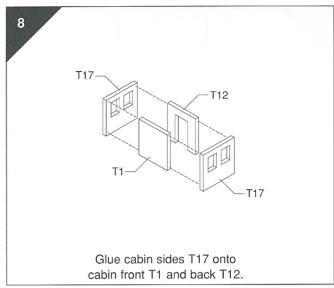


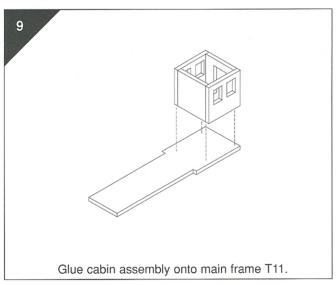


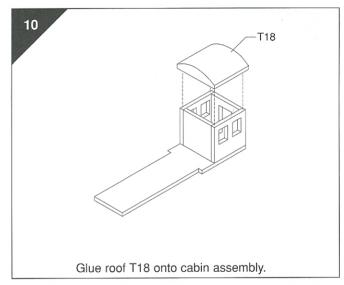


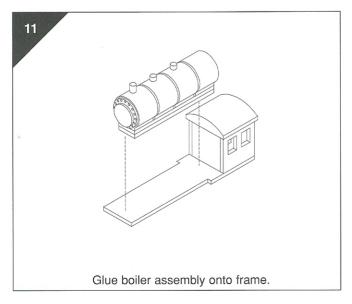


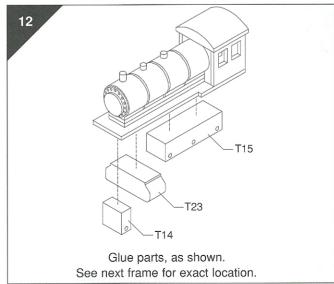


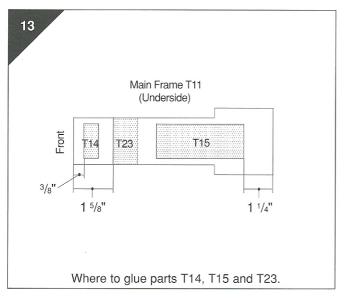


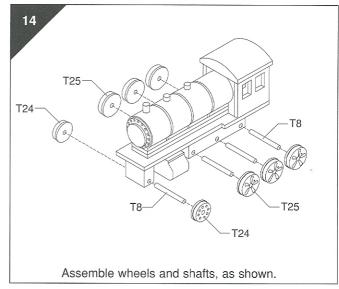


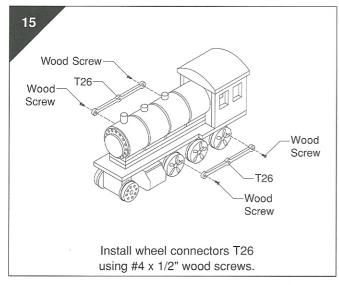


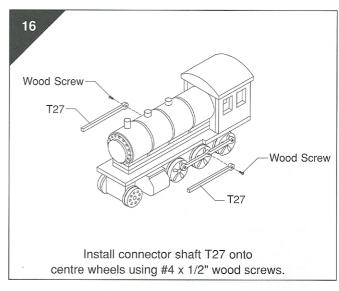


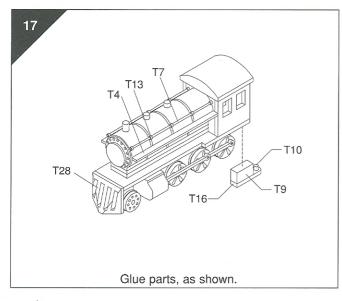


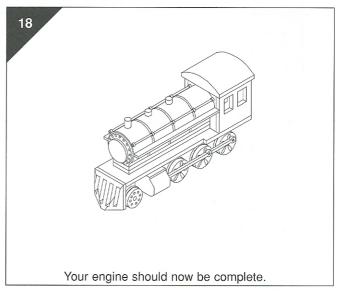


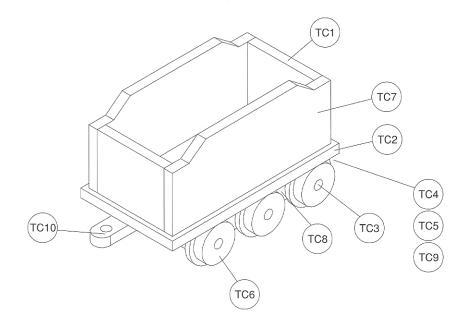






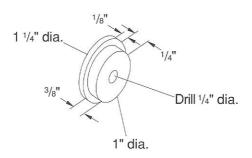




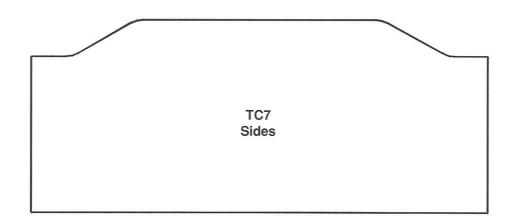


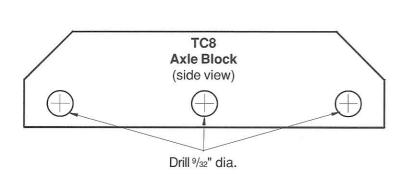
Part	Description	Qty.	Т	W	L	Material	*
TC1	End Pieces	2	1/4"	1 ⁵ /8"	2"	Oak	F
TC2	Main Frame	1	1/4"	2 3/4"	5"	Oak	F
ТС3	Wheel Shafts	3	1/4"	dia.	2 1/4"	Maple Dowel	F
TC4	Hitch Frame	1	1/4"	1/2"	1/2"	Maple	F
TC5	Hitch Dowel	1	1/4" dia. 1/2"		Maple Dowel	F	
TC6	Wheels	6	³ / ₈ " 1 ¹ / ₄ " dia.		Maple	F	
TC7	Sides	2	1/4"	2 5/8"	5"	Oak	R
TC8	Axle Block	1	1"	1 1/2"	3 3/4"	Oak	F
TC9	Hitch	1	1/4"	5/8"	1 1/2"	Maple	R
TC10	Hitch	1	1/4"	5/8"	1 3/4"	Maple	R

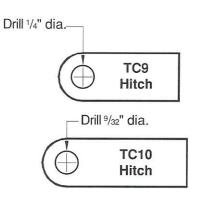
TC6 Wheels

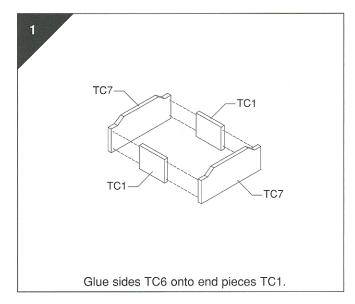


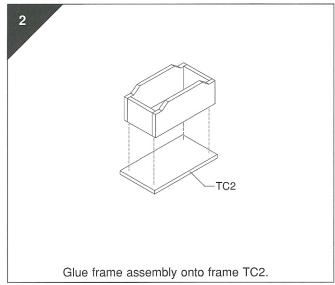
Full-Sized Patterns: Set One

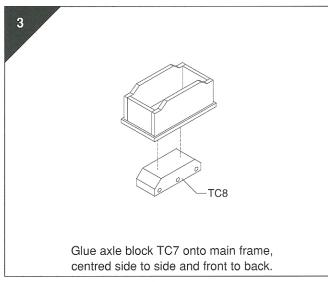


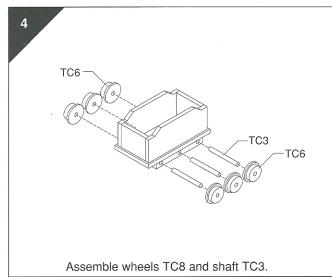


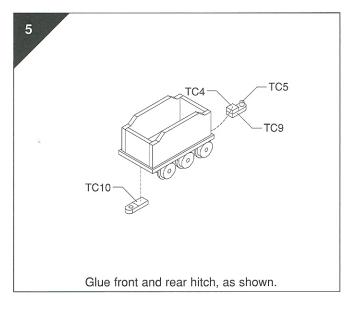


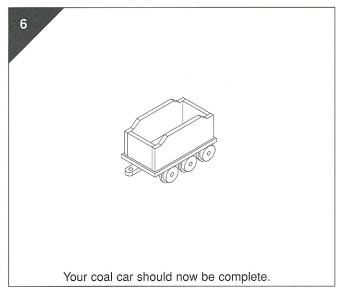


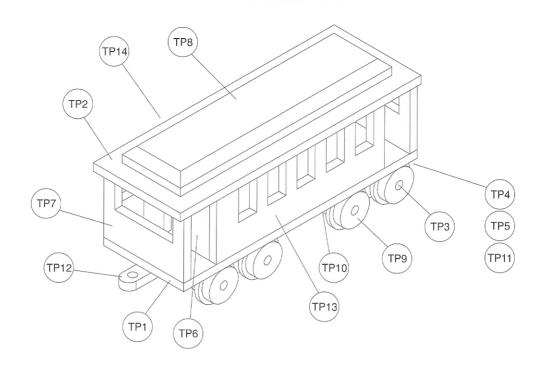




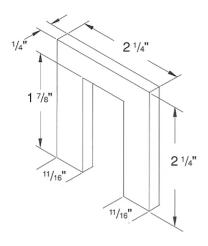




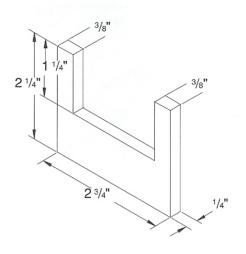




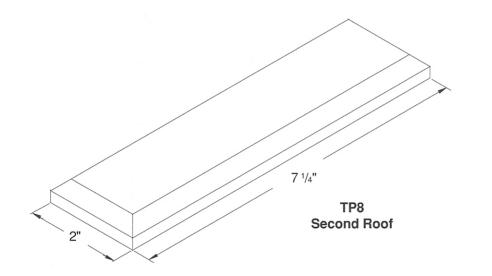
Part	Description	Qty.	Т	W	L	Material	*
TP1	Main Frame	1	1/4"	2 3/4"	8"	Oak	F
TP2	First Roof	1	1/4"	3"	8 1/4"	Oak	F
TP3	Wheel Shafts	4	1/4"	dia.	2 1/4"	Maple Dowel	F
TP4	Hitch Frame	1	1/4"	1/2"	1/2"	Maple	F
TP5	Hitch Dowel	1	1/4"	dia.	1/2"	Maple Dowel	F
TP6	Cabin Back & Front	2	1/4"	2 1/4"	2 1/4"	Oak	F
TP7	Ends	2	1/4"	2 3/4"	2 1/4"	Oak	F
TP8	Second Roof	1	1/2"	2"	7 1/4"	Oak	F
TP9	Wheels	8	3/8"	1 1/4" dia.		Maple	F
TP10	Axle Blocks	2	1"	1 1/2"	2 1/4"	Oak	F
TP11	Hitch	1	1/4"	5/8"	1 1/2"	Maple	R
TP12	Hitch	1	1/4"	5/8"	1 3/4"	Maple	R
TP13	Cabin Side	1	1/4"	2 1/2"	6"	Oak	R
TP14	Cabin Side	1	1/4"	2 1/2"	7 3/4"	Oak	R

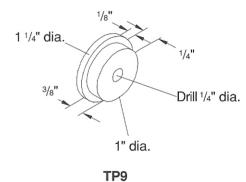


TP6
Cabin Back & Front

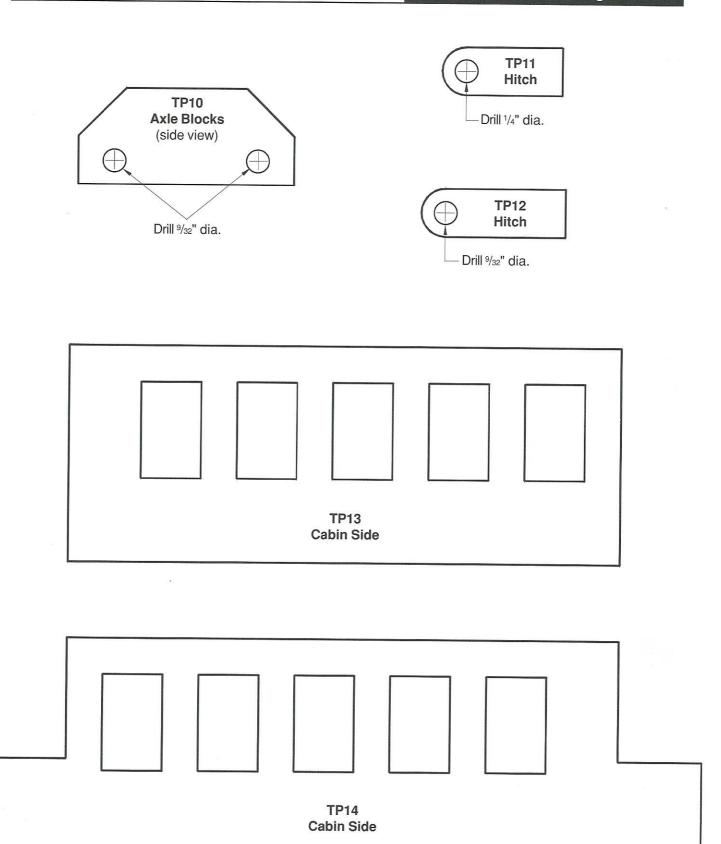


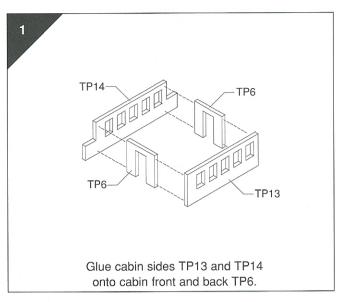
TP7 Ends

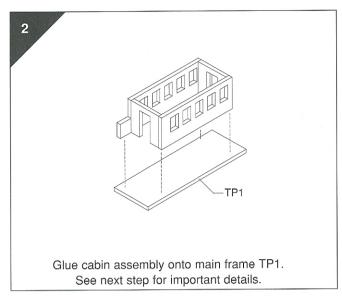


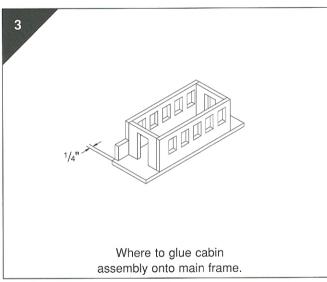


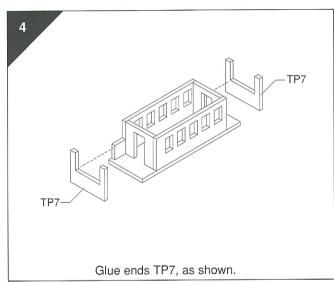
Wheels

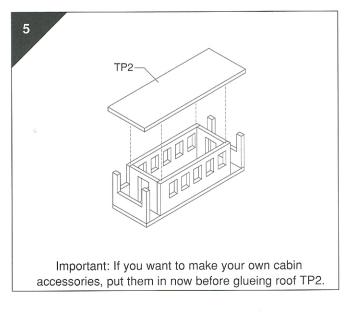


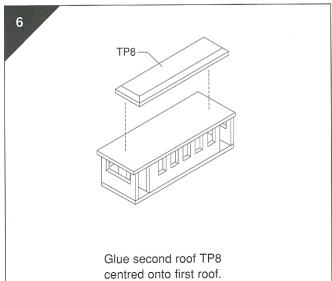


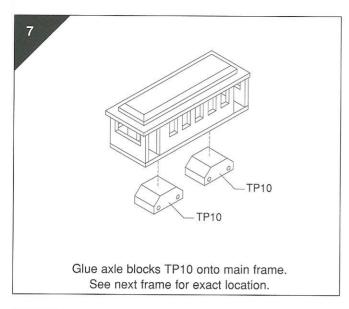


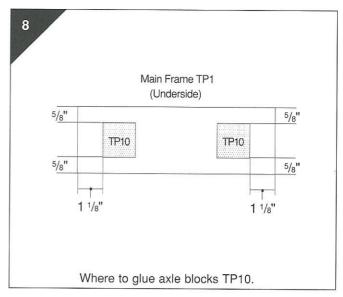


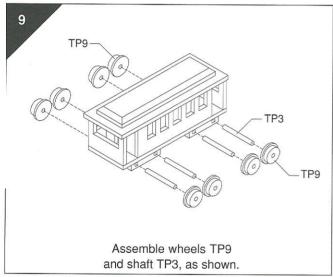


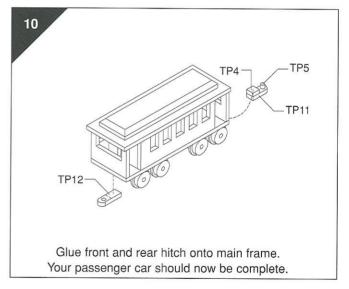


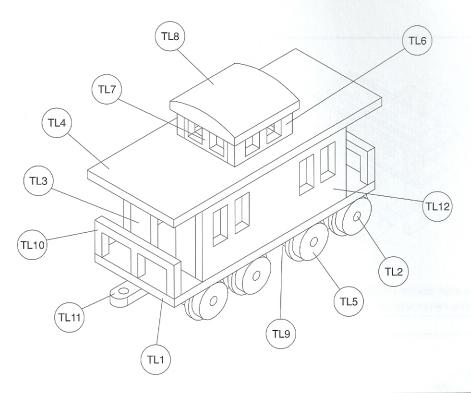




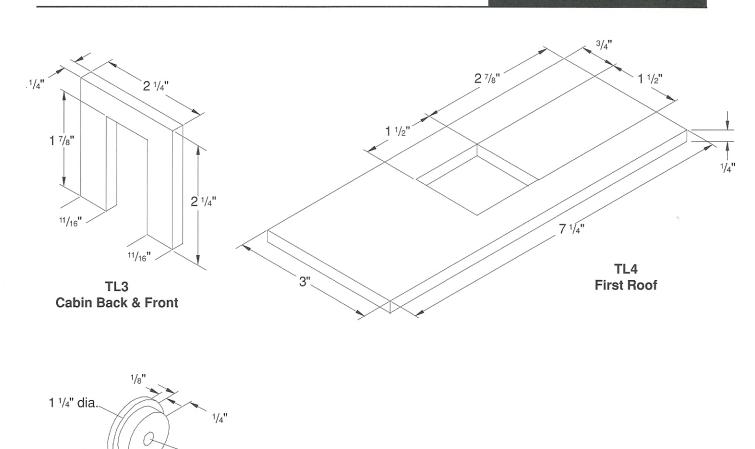


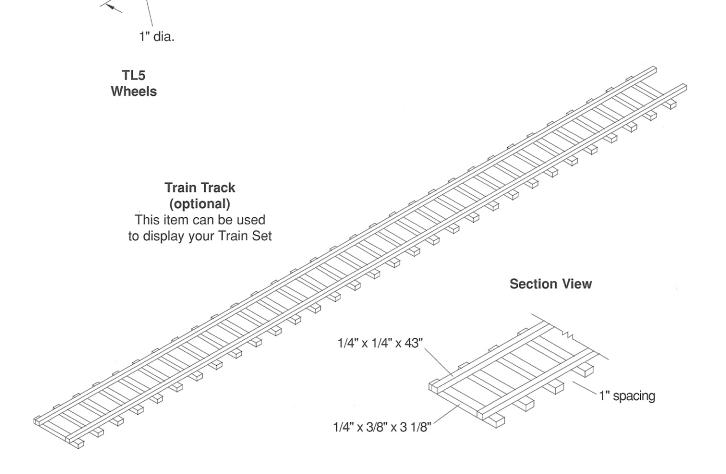




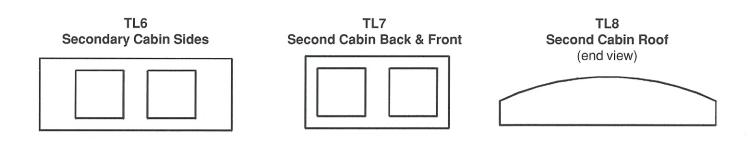


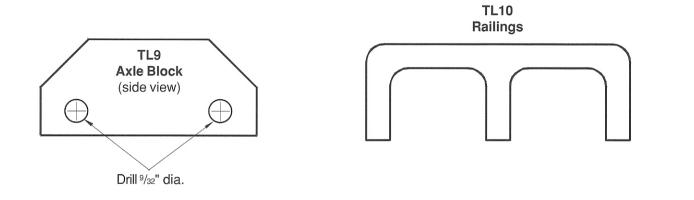
Part	Description	Qty.	Т	W	L	Material	*
TL1	Main Frame	1	1/4"	2 3/4"	7"	Oak	F
TL2	Wheel Shafts	4	1/4"	dia.	2 1/4"	Maple Dowel	F
TL3	Cabin Back & Front	2	1/4"	2 1/4"	2 1/4"	Oak	F
TL4	First Roof	1	1/4"	3"	7 1/4"	Oak	F
TL5	Wheels	8	3/8"	1 ¹/₄'	' dia.	Maple	F
TL6	Second Cabin Sides	2	1/4"	1"	2 1/4"	Oak	R
TL7	Second Cabin Back & Front	2	1/4"	1"	1 ³ / ₄ "	Oak	R
TL8	Second Cabin Roof	1	1/2"	2 1/4"	2 1/4"	Oak	F
TL9	Axle Blocks	2	1"	1 1/2"	2 1/4"	Oak	F
TL10	Railings	2	1/4"	1 1/4"	3"	Oak	R
TL11	Hitch	1	1/4"	5/8"	1 3/4"	Maple	R
TL12	Cabin Sides	2	1/4"	2 1/2"	5 1/4"	Oak	R

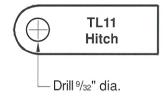


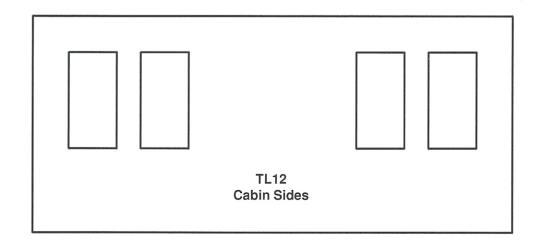


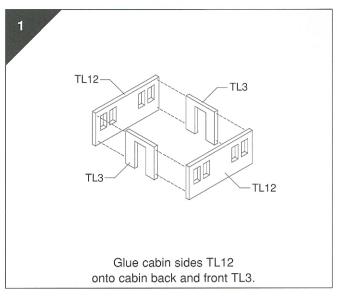
Drill 1/4" dia.

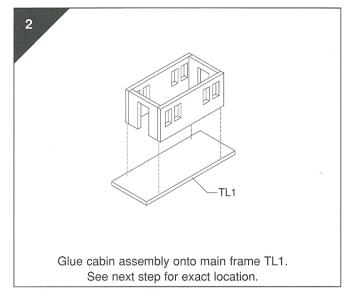


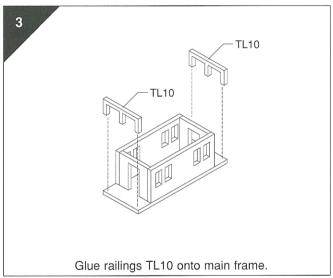


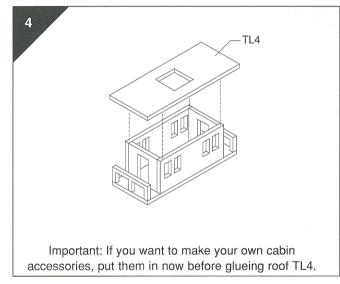


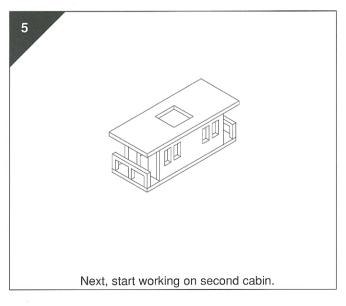


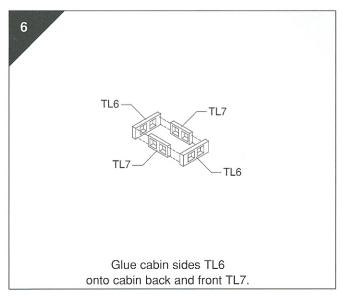


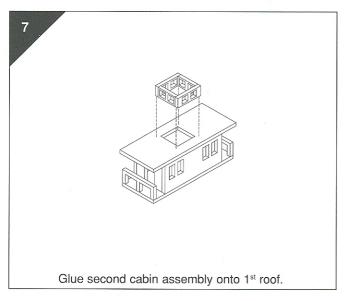


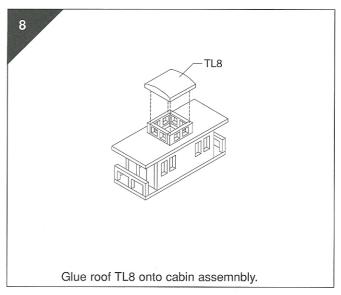


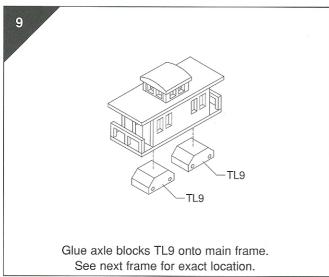


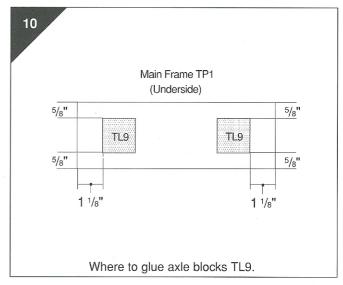


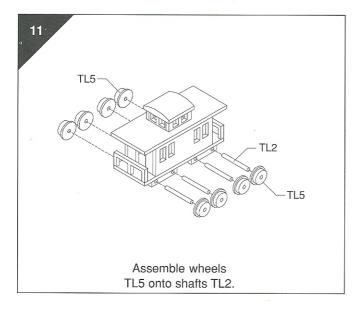


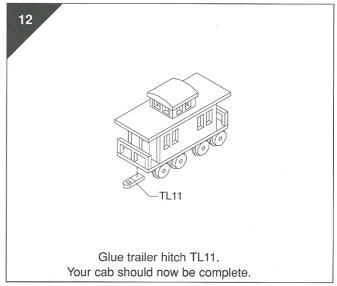




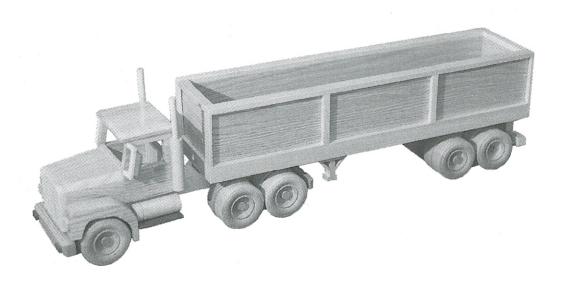








18 WHEELER



Step 1

Start by cutting materials needed using the List of Materials on pages 64 and 65. Pay attention to the rough and finished size, and identify parts as they are cut.

Please note: Different types of wood can be used for the various parts. It is suggested, however, that hard wood be used since many of the parts would be much too fragile if using soft wood. We have used a combination of Maple, Pine, Oak and exotic woods such as Padauk (dark wood), Yellowheart (light colour) and Mahogany (dark wood) to give the models a nice contrast!

Step 2

Parts B1 to B18 are already complete. Parts B19 to B26 will need a few more steps. See the Parts Drawing section on page 66 for more details.

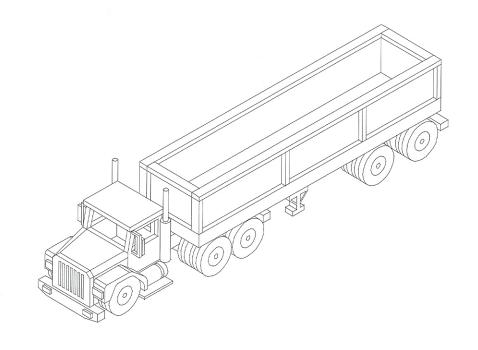
Step 3

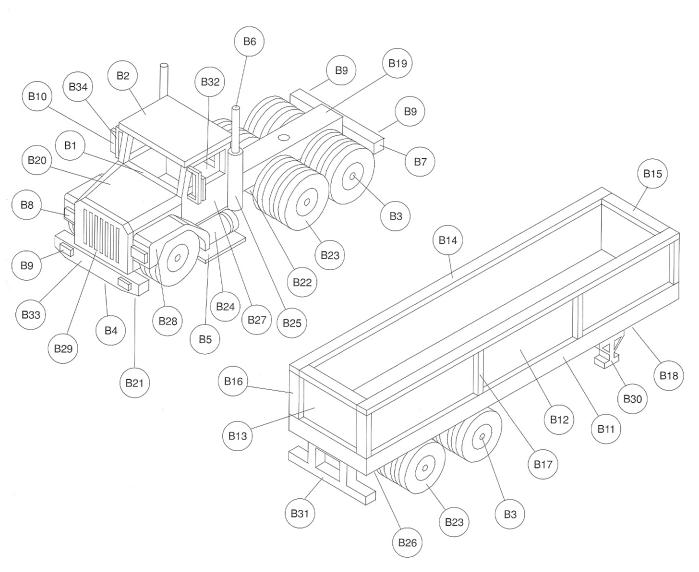
Parts B27 to B34 require removing the Full-Sized Patterns sheet found on page 115 of the Appendix. Cut out the patterns, leaving approximately ½6" all around, and place on the proper piece of wood. Patterns can be secured to the wood using either spray adhesive or rubber cement. If using the latter, cut and sand the part first to finished size. If drilling is required, mark the hole by inserting an awl or nail through the pattern into the wood. Remove the pattern before drilling.

Step 4

Follow the assembly drawings on pages 68 to 70 to complete your model.

Please note: In order for this model to move properly, it is recommended that you apply a lubricant to wheel shafts and axle block holes. Lard is the cheapest and safest option. It is non-toxic and found in most households.



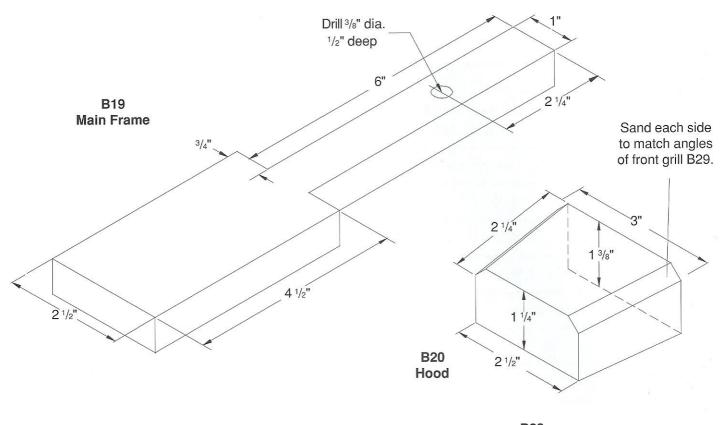


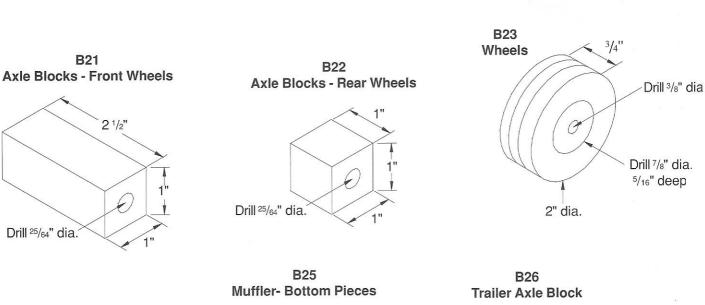
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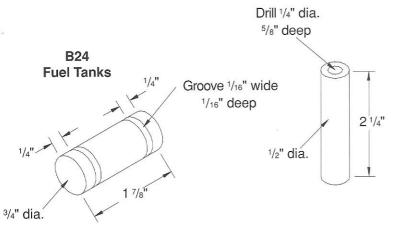
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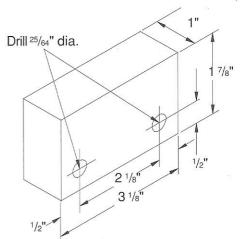
Part	Description	Qty.	Т	W	L	Material	*
B1	Cabin Front	1	1/4"	1 3/8"	2 1/2"	Oak	F
B2	Roof	1	1/4"	3 1/8"	2 1/4"	Oak	F
В3	Wheel Shafts	5	3/8"	dia.	3 3/4"	Maple Dowel	F
B4	Bumper Support	1	3/4"	3/4"	1 1/2"	Maple	F
B5	Floor Boards	2	1/8"	3/4"	1 ⁷ /8"	Dark Wood	F
В6	Muffler - Top Pieces	2	1/4"	dia.	2"	Maple Dowel	F
B7	Rear Bumper	1	1/4"	3/8"	4"	Oak	F
B8	Headlights	2	1/8"	3/8"	5/8"	Light Colour	F
В9	Flashers & Brake Lights	4	1/8"	1/4"	1/2"	Dark Wood	F
B10	Mirrors	2	1/8"	1/2"	1"	Dark Wood	F
B11	Trailer Frame	1	3/4"	4"	16"	Maple	F
B12	Trailer Sides	2	1/4"	2 1/4"	15 ¹ /2"	Oak	F
B13	Trailer Back & Front	2	1/4"	2 1/4"	3"	Oak	F
B14	Top Frames	2	1/4"	1/2"	16"	Maple	F
B15	Top Frames	2	1/4"	1/2"	3"	Maple	F
B16	End Braces	4	1/4"	1/2"	2 1/4"	Maple	F
B17	Braces	4	1/4"	1/4"	2 1/4"	Maple	F
B18	Trailer Hitch	1	3/8"	dia.	7/8"	Maple Dowel	F
B19	Main Frame	1	3/4"	2 1/2"	10 1/2"	Maple	F
B20	Hood	1	1 3/8"	3"	2 1/4"	Oak	F

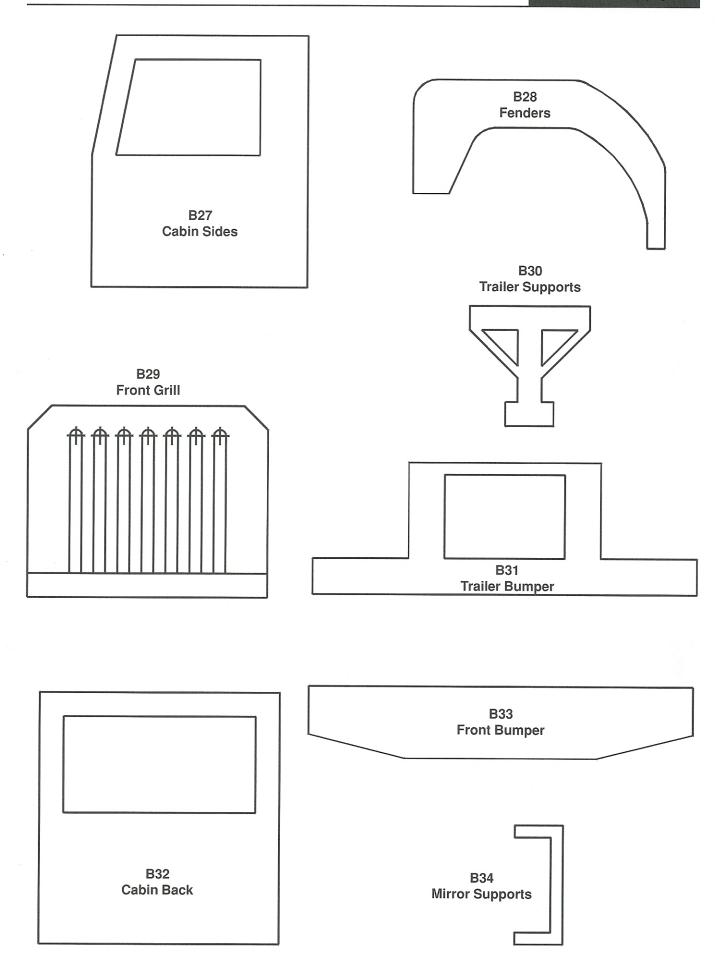
Part	Description	Qty.	Т	W	L	Material	*
B21	Axle Block - Front Wheels	1	1"	1"	2 1/2"	Maple	F
B22	Axle Blocks - Rear Wheels	2	1"	1"	1"	Maple	F
B23	Wheels	18	3/4"	2"	dia.	Maple	F
B24	Fuel Tanks	2	3/4"	dia.	1 7/8"	Maple Dowel	F
B25	Muffler - Bottom Pieces	2	1/2"	dia.	2 1/4"	Maple Dowel	F
B26	Trailer Axle Block	1	1"	1 7/8"	3 1/8"	Maple	F
B27	Cabin Sides	2	1/4"	2 7/8"	2 1/2"	Oak	R
B28	Fenders	2	3/4"	2"	2 7/8"	Oak	R
B29	Front Grill	1	1/4"	2 3/4"	2 1/4"	Maple	R
B30	Trailer Supports	2	1/2"	1 1/2"	1 1/2"	Maple	R
B31	Trailer Bumper	1	1/2"	1 1/2"	4 1/4"	Maple	R
B32	Cabin Back	1	1/4"	2 ³ / ₄ "	2 7/8"	Oak	R
B33	Front Bumper	1	1/2"	1"	4 1/4"	Oak	R
B34	Mirror Supports	2	1/8"	3/4"	1 1/2"	Maple	R

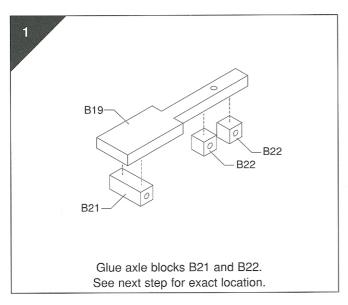


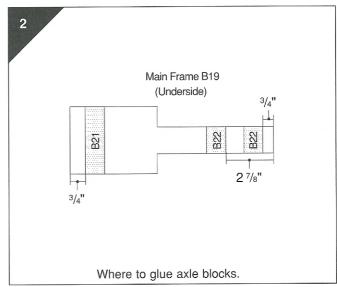


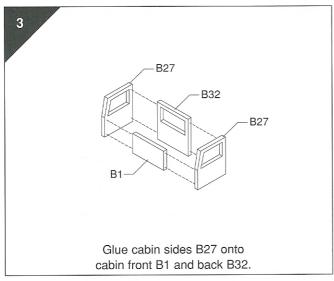


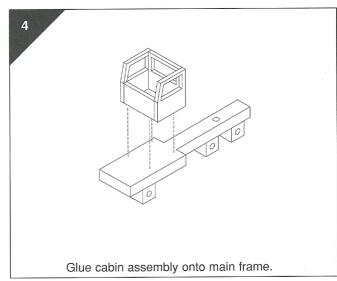


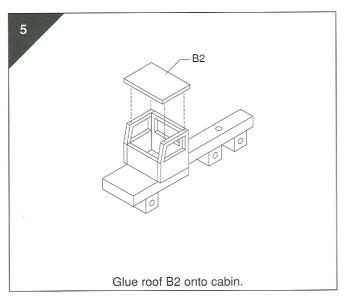


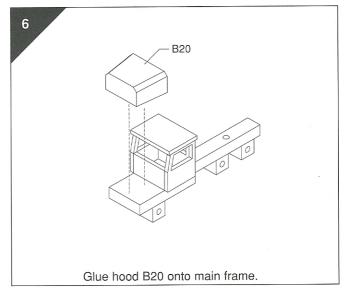


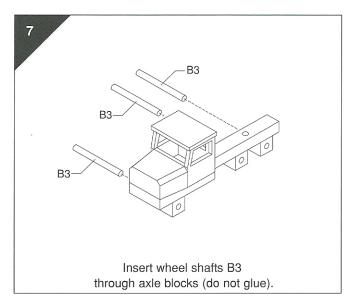


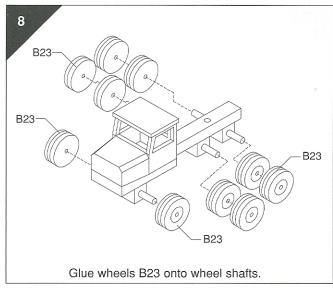


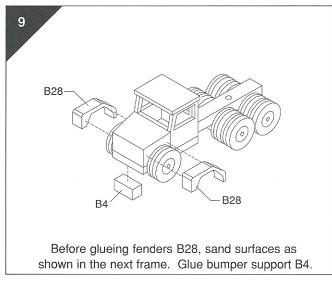


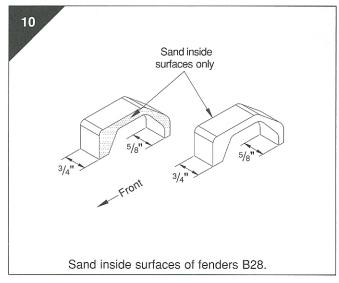


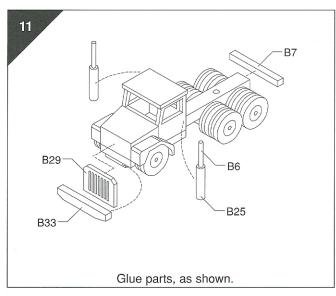


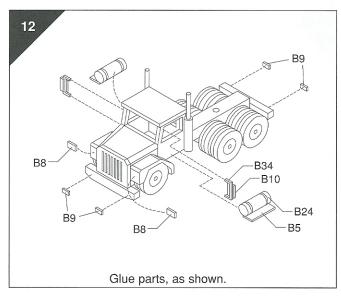


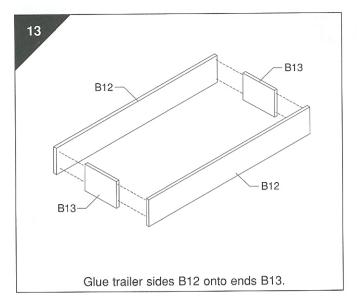


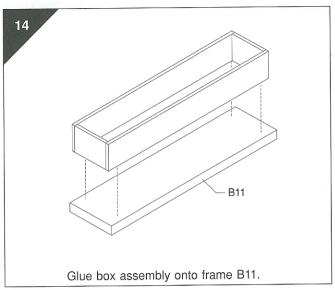


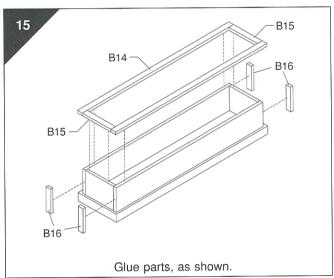


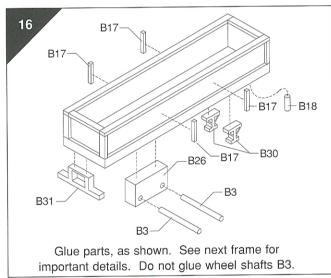


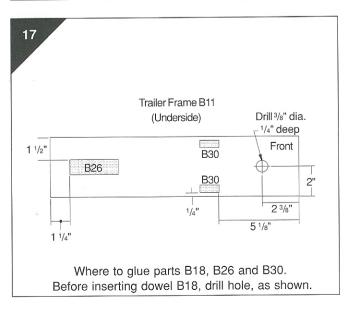


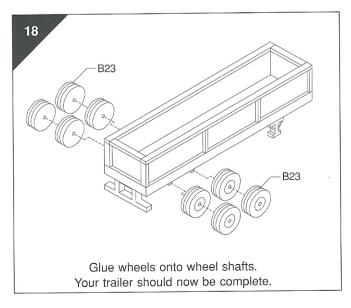




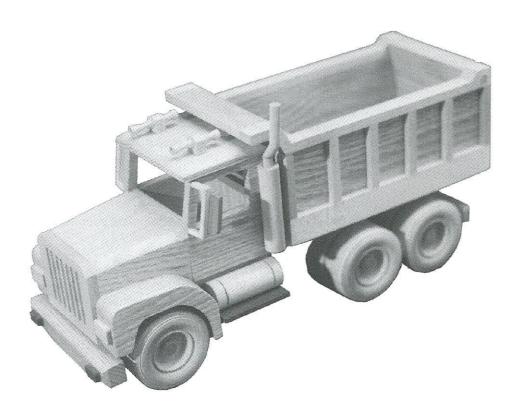








DUMP TRUCK



Step 1

Start by cutting materials needed using the List of Materials on pages 74 and 75. Pay attention to the rough and finished size, and identify parts as they are cut.

Please note: Different types of wood can be used for the various parts. It is suggested, however, that hard wood be used since many of the parts would be much too fragile if using soft wood. We have used a combination of Maple, Pine, Oak and exotic woods such as Padauk (dark wood), Yellowheart (light colour) and Mahogany (dark wood) to give the models a nice contrast!

Step 2

Parts D1 to D17 are already complete. Parts D18 to D26 will need a few more steps. See the Parts Drawing section on page 76 for more details.

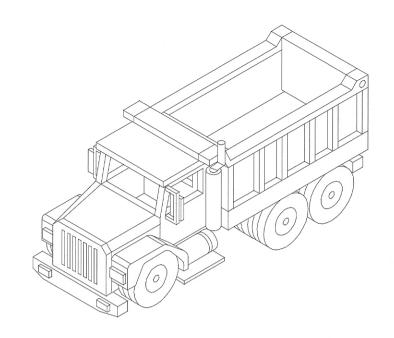
Step 3

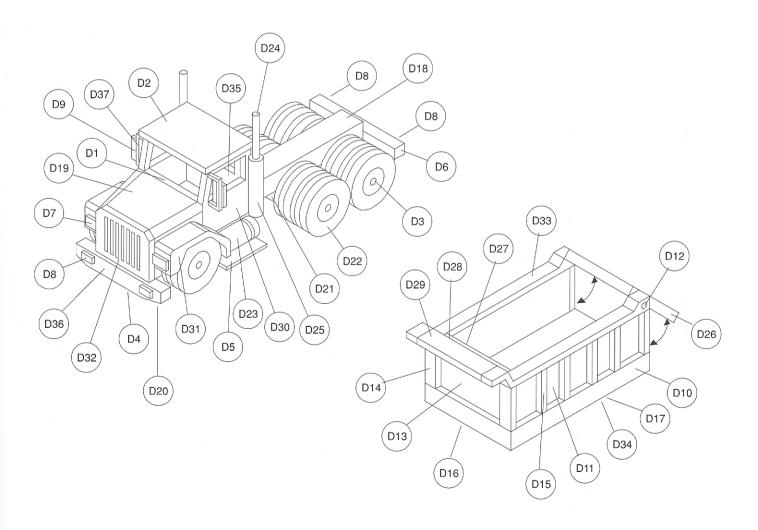
Parts D27 to D37 require removing the Full-Sized Patterns sheet found on page 117 of the Appendix. Cut out the patterns, leaving approximately ½ all around, and place on the proper piece of wood. Patterns can be secured to the wood using either spray adhesive or rubber cement. If using the latter, cut and sand the part first to finished size. If drilling is required, mark the hole by inserting an awl or nail through the pattern into the wood. Remove the pattern before drilling.

Step 4

Follow the assembly drawings on pages 78 to 81 to complete your model.

Please note: In order for this model to move properly, it is recommended that you apply a lubricant to wheel shafts and axle block holes. Lard is the cheapest and safest option. It is non-toxic and found in most households.





Part	Description	Qty.	Т	W	L	Material	*
D1	Cabin Front	1	1/4"	1 ³ /8"	2 1/2"	Oak	F
D2	Roof	1	1/4"	3 1/8"	2 1/4"	Oak	F
D3	Wheel Shafts	3	3/8"	dia.	3 3/4"	Maple Dowel	F
D4	Bumper Support	1	3/4"	3/4"	1 1/2"	Maple	F
D5	Floor Boards	2	1/8"	3/4"	1 7/8"	Dark Wood	F
D6	Rear Bumper	1	1/4"	3/8"	4"	Oak	F
D7	Headlights	2	1/8"	3/8"	5/8"	Light Colour	F
D8	Flashers & Brake Lights	4	1/8"	1/4"	1/2"	Dark Wood	F
D9	Mirrors	2	1/8"	1/2"	1"	Dark Wood	F
D10	Box Frame	1	3/4"	4"	6 1/2"	Maple	F
D11	Box Sides	2	1/4"	1 3/4"	6"	Oak	F
D12	Gate Shaft	1	¹/₄" dia.		4"	Maple Dowel	F
D13	Box Front	1	1/4"	1 3/4"	3"	Oak	F
D14	End Braces	4	1/4"	1/2"	1 3/4"	Maple	F
D15	Braces	8	1/4"	1/4"	1 ³ / ₄ "	Maple	F
D16	Pivot Frame	1	1/8"	1 1/16"	5 ³ / ₄ "	Maple	F
D17	Pivot Shaft	1	1/4" dia.		1 9/16"	Maple Dowel	F
D18	Main Frame	1	3/4"	2 1/2"	10 1/2"	Maple	F
D19	Hood	1	1 ³ / ₈ "	3"	2 1/4"	Oak	F
D20	Axle Block - Front Wheels	1	1"	1"	2 1/2"	Maple	F

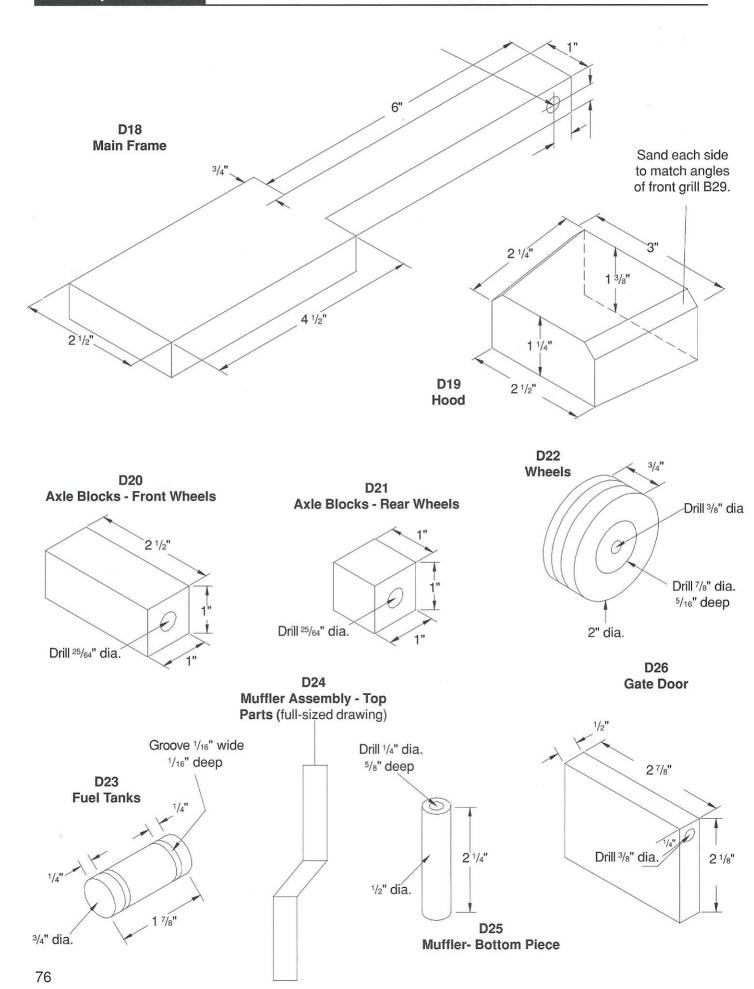
74

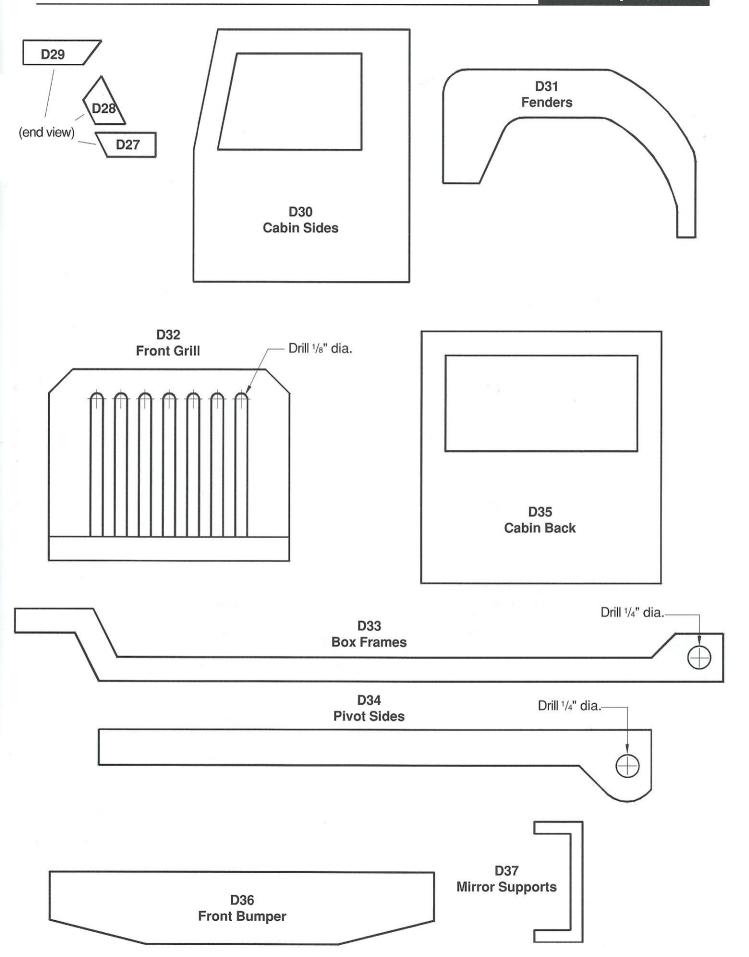
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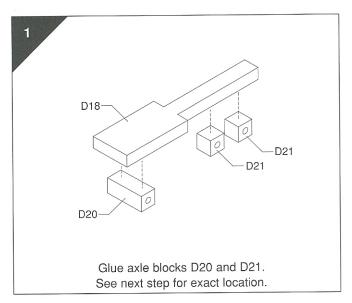
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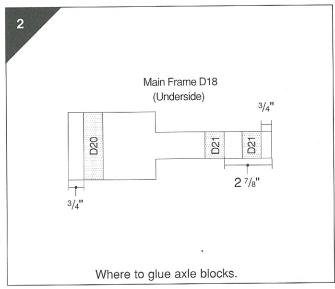
Part	Description	Qty.	Т	W	L	Material	*
D21	Axle Block - Rear Wheels	2	1"	1"	1"	Maple	F
D22	Wheels	10	3/4"	2" (dia.	Maple	F
D23	Fuel Tanks	2	³ / ₄ " dia. 1 ⁷ / ₈ "			Maple Dowel	F
D24	Muffler - Top Parts	1	See	e parts dra	wing	Maple Dowel	F
D25	Muffler - Bottom Piece	1	1/2" dia. 2 1/4"			Maple Dowel	F
D26	Gate Door	1	1/2"	2 1/8"	2 ⁷ /8"	Oak	F
D27	Box Frame - Part 1 of 3	1	1/4"	3/4"	3"	Maple	F
D28	Box Frame - Part 2 of 3	1	1/4"	5/8"	3"	Maple	F
D29	Box Frame - Part 3 of 3	1	1/4"	⁷ /8 "	3"	Maple	F
D30	Cabin Sides	2	1/4"	2 ⁷ /8"	2 1/2"	Oak	R
D31	Fenders	2	3/4"	2"	2 7/8"	Oak	R
D32	Front Grill	1	1/4"	2 3/4"	2 1/4"	Maple	R
D33	Box Frames	2	1/2"	1"	7 5/8"	Maple	R
D34	Pivot Sides	2	1/4"	1"	6"	Maple	R
D35	Cabin Back	1	1/4"	2 3/4"	2 7/8"	Oak	R
D36	Front Bumper	1	1/2"	1"	4 ¹ / ₄ "	Oak	R
D37	Mirror Supports	2	1/8"	3/4"	1 1/2"	Maple	R

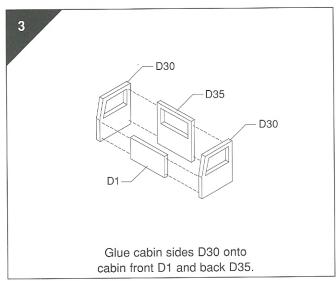
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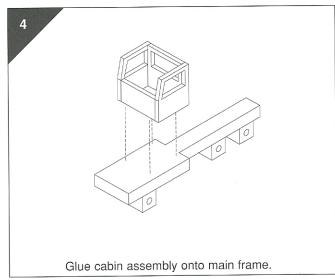


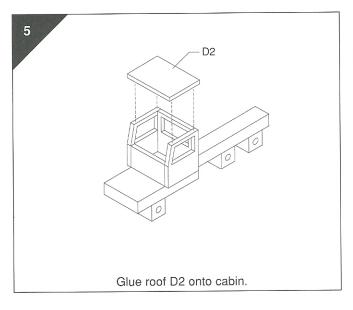


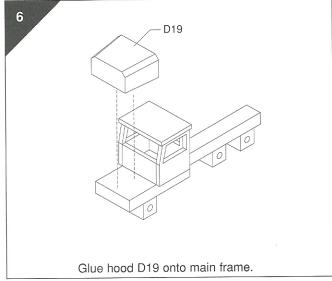


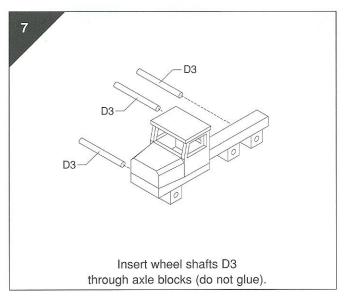


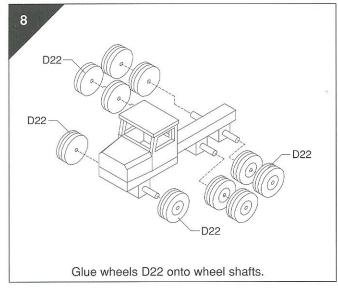


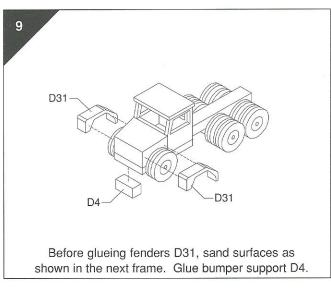


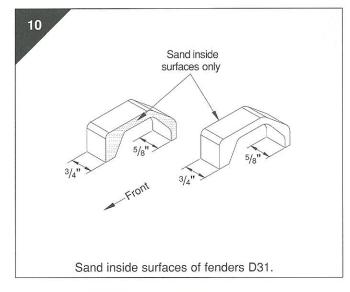


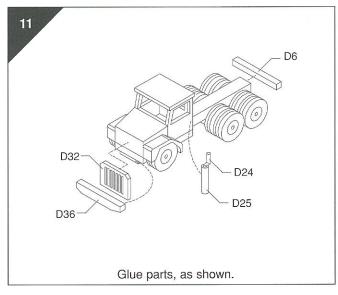


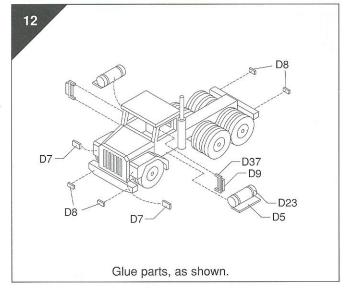


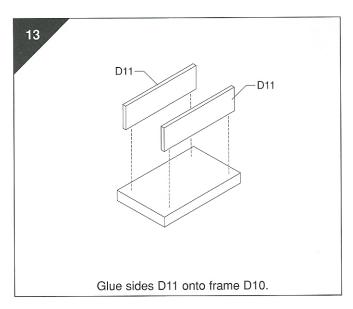


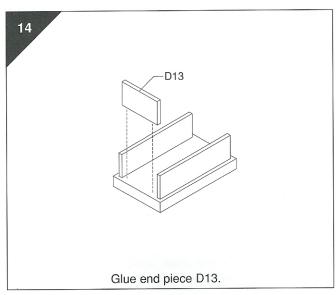


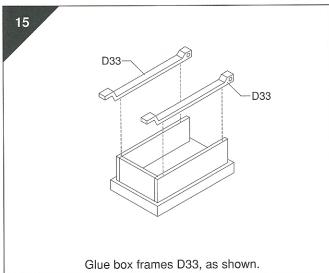


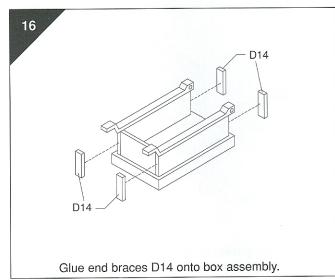


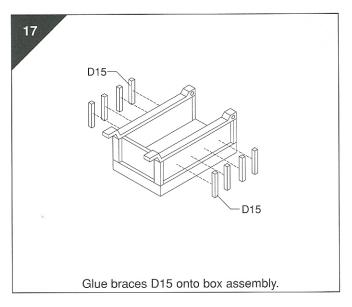


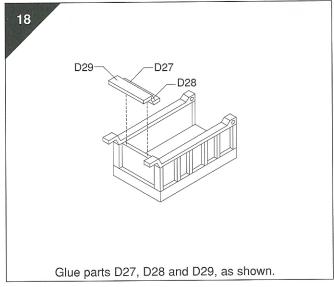


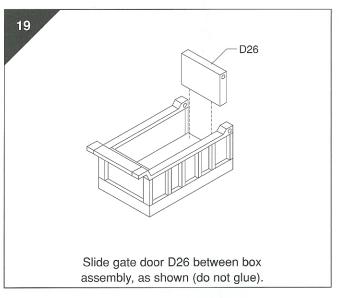


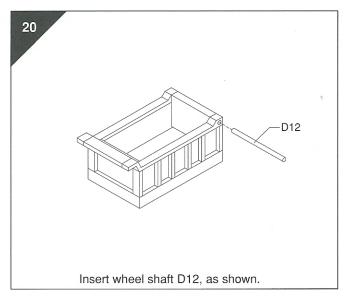


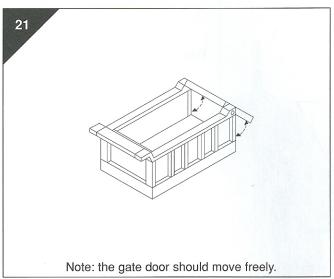


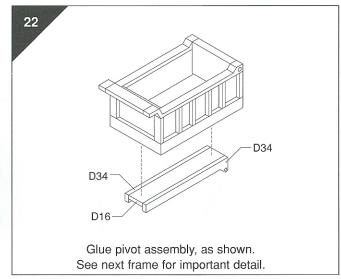


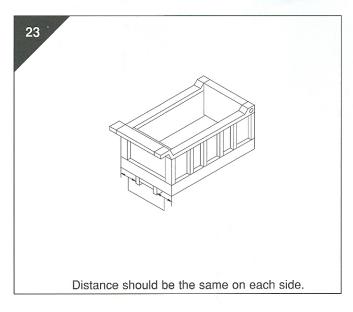


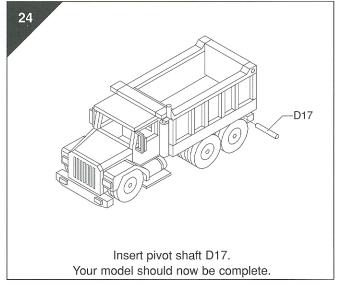






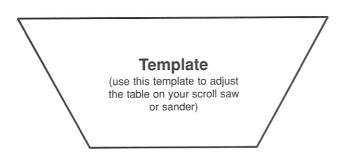


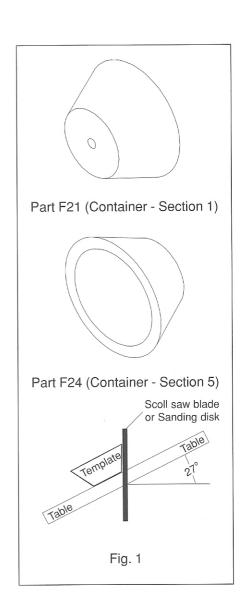




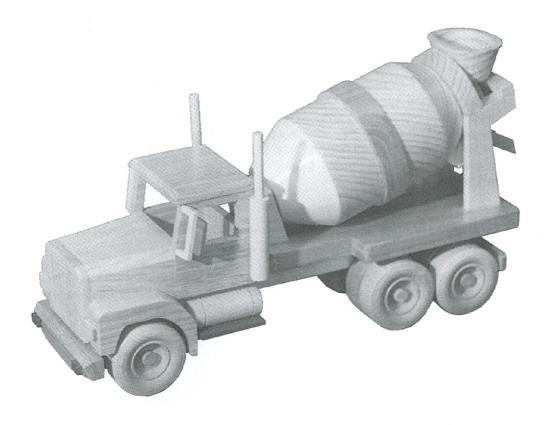
Important information for making container parts

When looking at the photo of the cement truck on the next page, you will notice that the container has parts which are cut and sanded on an angle. When cutting parts F21 and F24, it is recommended that you tilt your scroll saw table at a 27 degree angle. See Fig. 1 below for details. To adjust the table, transfer the template found below onto a piece of thin stock. Now you can use this template to guide you when setting your scroll saw and sander tables.





CEMENT TRUCK



Step 1

Start by cutting materials needed using the List of Materials on pages 86 and 87. Pay attention to the rough and finished size, and identify parts as they are cut.

Please note: Different types of wood can be used for the various parts. It is suggested, however, that hard wood be used since many of the parts would be much too fragile if using soft wood. We have used a combination of Maple, Pine, Oak and exotic woods such as Padauk (dark wood), Yellowheart (light colour) and Mahogany (dark wood) to give the models a nice contrast!

Step 2

Parts F1 to F12 are already complete. Parts F13 to F26 and F36 will need a few more steps. See the Parts Drawing section on pages 88 and 89 for more details.

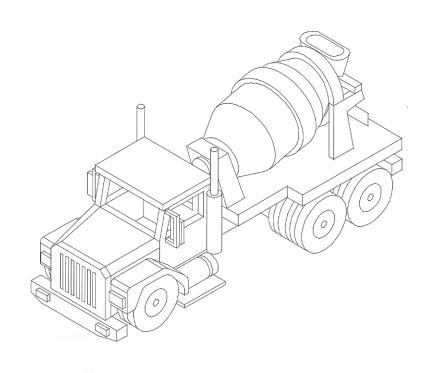
Step 3

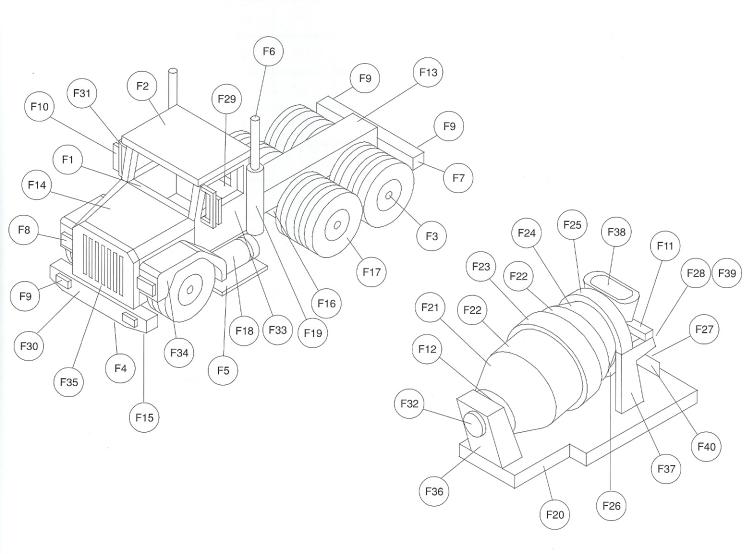
Parts F27 to F40 require removing the Full-Sized Patterns sheet found on page 119 of the Appendix. Cut out the patterns, leaving approximately 1/16" all around, and place on the proper piece of wood. Patterns can be secured to the wood using either spray adhesive or rubber cement. If using the latter, cut and sand the part first to finished size. If drilling is required, mark the hole by inserting an awl or nail through the pattern into the wood. Remove the pattern before drilling.

Step 4

Follow the assembly drawings on pages 91 to 93 to complete your model.

Please note: In order for this model to move properly, it is recommended that you apply a lubricant to wheel shafts and axle block holes. Lard is the cheapest and safest option. It is non-toxic and found in most households.

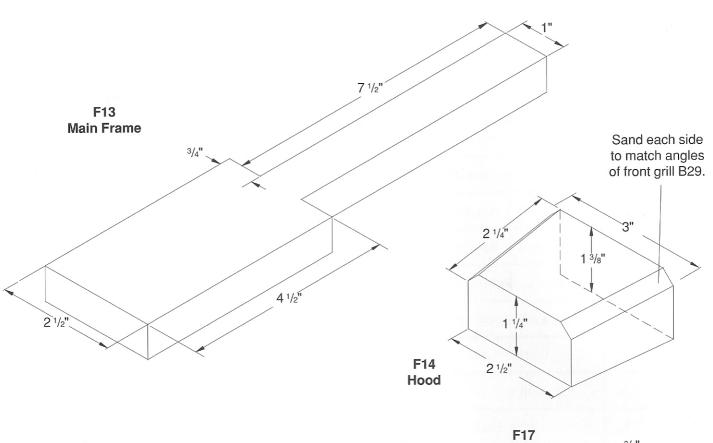




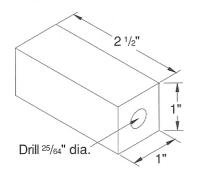
	Part	Description	Qty.	т	w	L	Material	*
	F1	Cabin Front	1	1/4"	1 ³ /8"	2 1/2"	Oak	F
	F2	Roof	1	1/4"	3 1/8"	2 1/4"	Oak	F
	F3	Wheel Shafts	3	3/8"	dia.	3 3/4"	Maple Dowel	F
	F4	Bumper Support	1	3/4"	3/4"	1 1/2"	Maple	F
	F5	Floor Boards	2	1/8"	3/4"	1 ⁷ /8"	Dark Wood	F
	F6	Muffler - Top Pieces	2	1/4"	dia.	2"	Maple Dowel	F
	F7	Rear Bumper	1	1/4"	3/8"	4"	Oak	F
	F8	Headlights	2	1/8"	3/8"	5/8"	Light Colour	F
	F9	Flashers & Brake Lights	4	1/8"	1/4"	1/2"	Dark Wood	F
	F10	Mirrors	2	1/8"	1/2"	1"	Dark Wood	F
	F11	Top Brace	1	1/4"	3/8"	2 7/8"	Maple	F
	F12	Container Support Dowel	1	¹/₄" dia.		1 ½"	Maple Dowel	F
	F13	Main Frame	1	3/4"	2 1/2"	10 1/2"	Maple	F
	F14	Hood	1	1 ³ /8"	3"	2 1/4"	Oak	F
	F15	Axle Block - Front Wheels	1	1"	1"	2 1/2"	Maple	F
	F16	Axle Block - Rear Wheels	2	1"	1"	1"	Maple	F
	F17	Wheels	10	3/4"	2"	dia.	Maple	F
	F18	Fuel Tanks	2	³/₄" dia.		1 ⁷ / ₈ "	Maple Dowel	F
r	F19	Muffler - Bottom Pieces	2	¹/2" dia.	dia.	2 1/4"	Maple Dowel	F
	F20	Top Frame	1	1/2"	4"	7 1/2"	Maple	F

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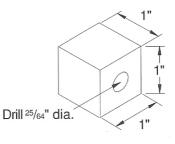
Part	Description	Qty.	Т	W	L	Material	*
F21	Container - Section 1	1	1 ³ /8"	3 1/4	" dia.	Pine	F
F22	Container - Section 2 & 4	2	1 ³ /8"	3 1/4	" dia.	Pine	F
F23	Container - Section 3	1	3/4"	3 1/2	" dia.	Oak	F
F24	Container - Section 5	1	1 ³ / ₈ "	3 1/4" dia.		Pine	F
F25	Container Support (top)	1	1/2"	3" dia.		Pine	R
F26	Container Support (bottom)	1	3/4"	1"	1 7/8"	Pine	F
F27	Outlet Plates	2	1/8"	3/4"	1"	Maple	F
F28	Chute Plate	1	1/8"	3/4"	1 1/2"	Oak	F
F29	Cabin Back	1	1/4"	2 3/4"	2 7/8"	Oak	R
F30	Front Bumper	1	1/2"	1"	4 1/4"	Oak	R
F31	Mirror Supports	2	1/8"	3/4"	1 1/2"	Maple	R
F32	Motor Cover	1	1/8"	³/₄" dia.		Pine	F
F33	Cabin Sides	2	1/4"	2 ⁷ /8"	2 1/2"	Oak	R
F34	Fenders	2	3/4"	2"	2 7/8"	Oak	R
F35	Front Grill	1	1/4"	2 3/4"	2 1/4"	Maple	R
F36	Container Support	1	3/4"	1 ⁵ /8"	1 ³ / ₈ "	Pine	F
F37	Main Supports	2	1/2"	1 ³ / ₄ "	3 1/2"	Maple	R
F38	Intake Tub	1	1"	2"	2 3/4"	Pine	R
F39	Upper Chute Sides	2	1/8"	1/2"	1 ³ /8"	Maple	R
F40	Lower Chute Sides	2	1/8"	1/2"	1 ⁷ /8"	Oak	R



F15 Axle Blocks - Front Wheels



F16 Axle Blocks - Rear Wheels



F17
Wheels

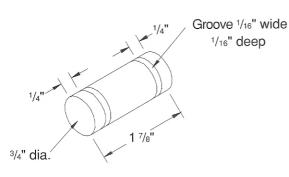
Drill 3/8" dia.

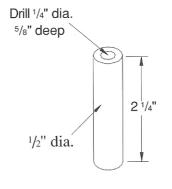
Drill 7/8" dia.

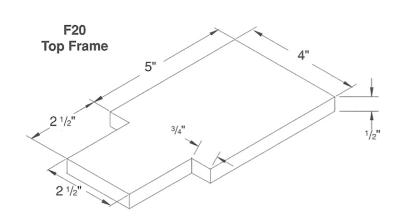
5/16" deep
2" dia.

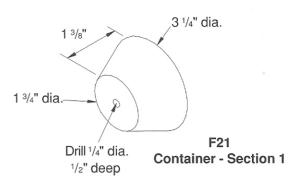
F19 Muffler- Bottom Piece

F18 Fuel Tanks







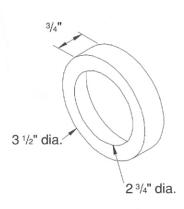


F22 Container - Section 2 & 4

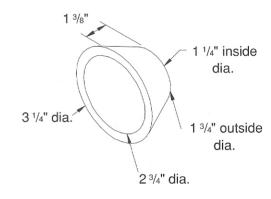
1 3/8"

3 1/4" dia.

F23 Container - Section 3

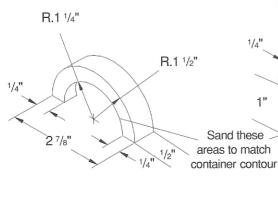


F24 Container - Section 5

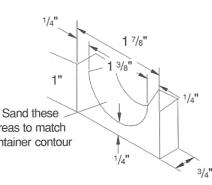


F25 Container support (Top)

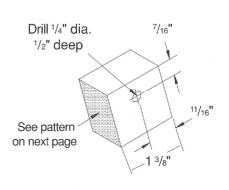
2 3/4" dia.

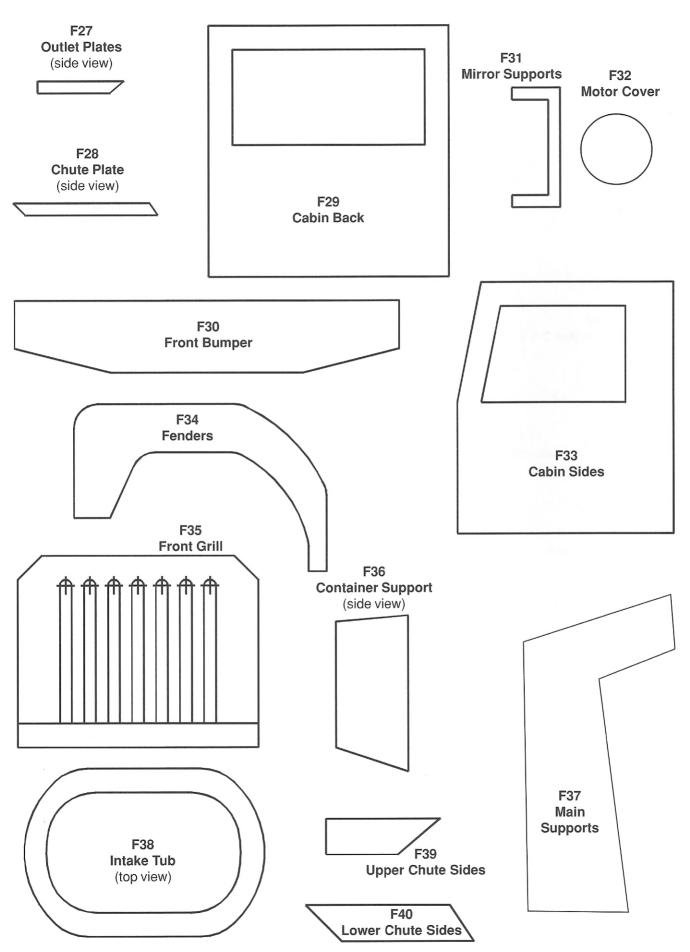


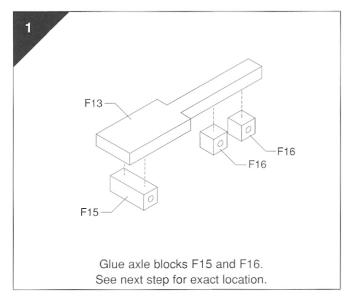
F26 Container Support (bottom)

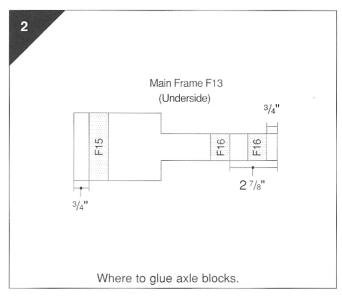


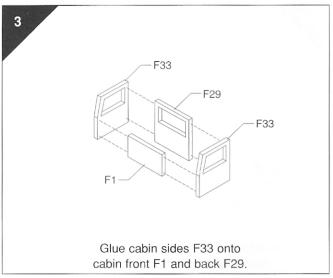
F36 Container Support

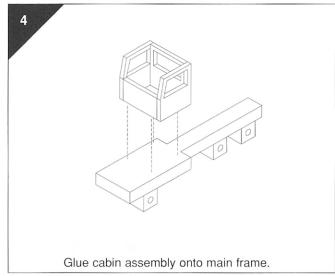


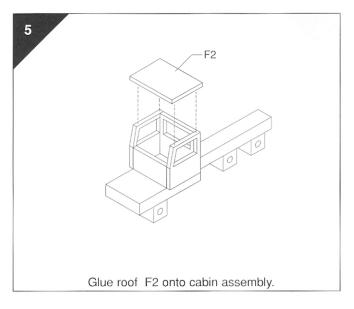


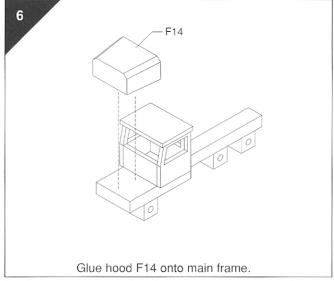


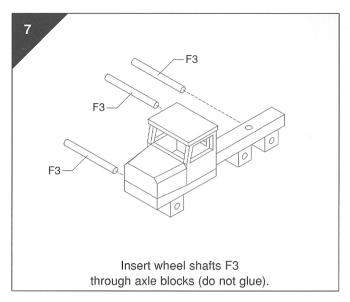


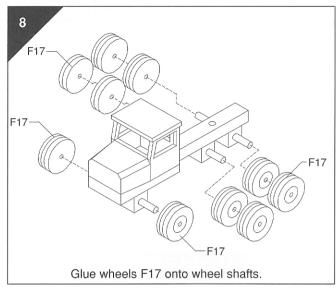


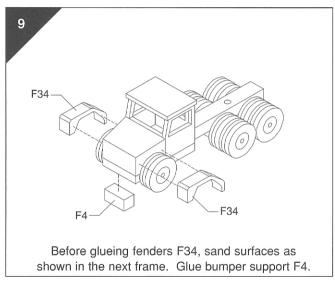


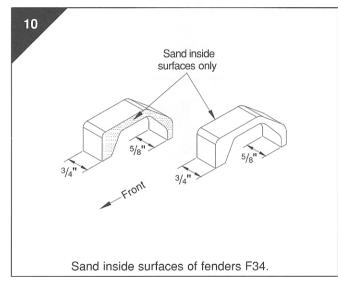


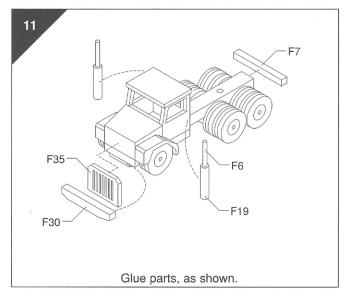


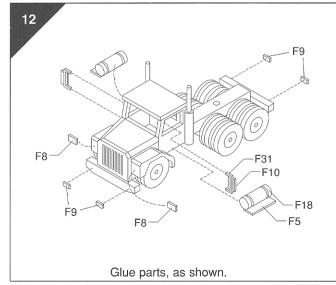


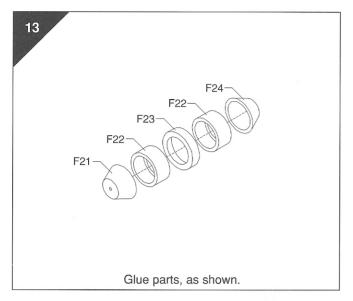


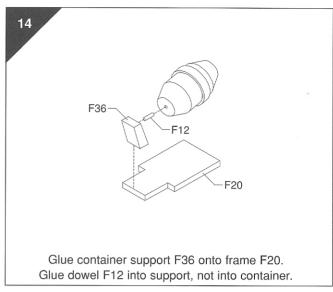


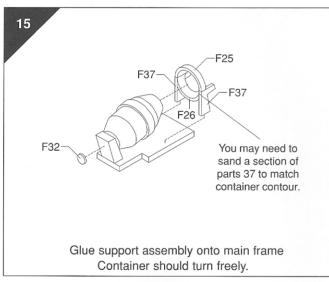


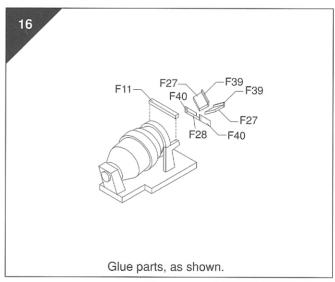


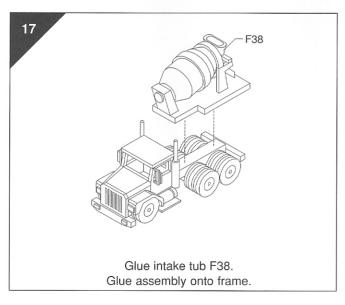


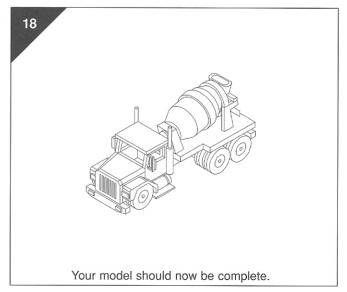












With the expert help of author and woodworker Luc St-Amour, you too can make truly amazing vehicles. In this book you'll find everything you need to know to create eight wooden trains, planes, motorcycles and trucks.

The author provides tested and proven parts lists and cutting templates for each of the eight models. Clearly labeled step-by-step assembly drawings aid you in completing each project.

All of the models in this book are made with common shop tools. The author recommends a scroll saw, a drill press, a belt/disc sander, a one-inch belt sander, a band saw, and a thickness planer.

Start today on the these amazing vehicles:

- Lightning Racing Car
- Country Pick-up Truck
- Easy Riding Motorcycle
- Jet Airliner
- Old-Fashioned Steam Engine Train Set
- Coast-to-Coast 18 Wheeler
- Mighty Mixer Cement Truck
- Load-and-Haul Dump Truck

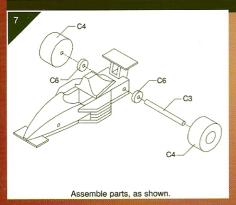


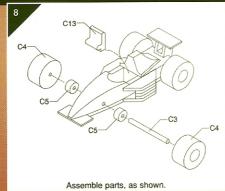
Lightning Racing Car, page 15

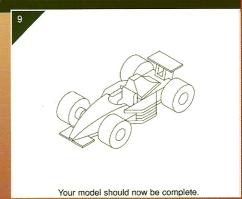


Mighty Mixer Cement Truck, page 83

- Sample assembly drawings for Racing Car -







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