

BODY BUILDER KIT - P4036

Balsa is a soft wood that can easily be cut, shaped and sanded. Contents of this kit will add less than 1 ounce of weight to your car.

GENERAL RACING SPECIFICATIONS

1. Maximum car size, including wheels: 7" long, 2 3/4" wide
2. Minimum car width between wheels: 1 3/4"
3. Minimum clearance between car and track: 3/8"
4. Maximum car weight: 5 oz (142 g). Metal, wood or plastic may be added.
5. No wheel bearings, bushings or washers are allowed. Loose, liquid or moving materials are strictly prohibited.

Refer to your official race rules to verify racing specifications. Racers that do not meet specifications may be disqualified.

GENERAL INSTRUCTIONS

Start with a PineCar Wedge (P360), Block (P361) or BSA block. There are many ways to use the Balsa Wood pieces in the kit. The General Instructions is a basic overview.

Balsa Wood is a soft wood. Handle carefully when cutting and shaping. Balsa Wood should be primed with a sanding sealer before painting. Try PineCar Sanding Sealer (P3960) for a flawless finish.

DESIGN CAR SHAPE (Fig. 1)

1. Create a design for your car or choose one of the illustrated designs.
2. Cut out design to use as a template.

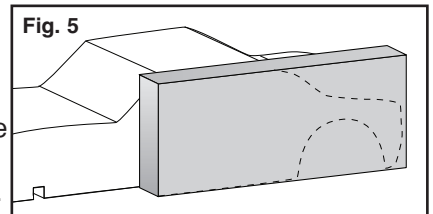
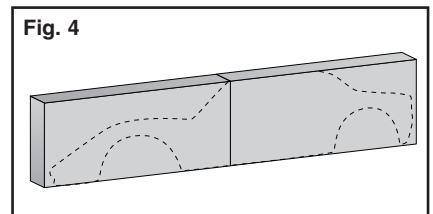
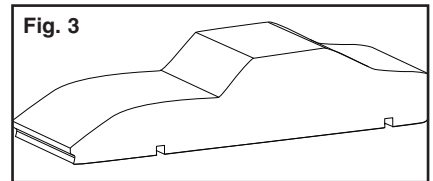
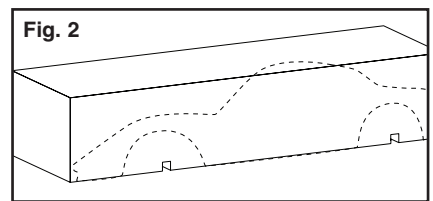
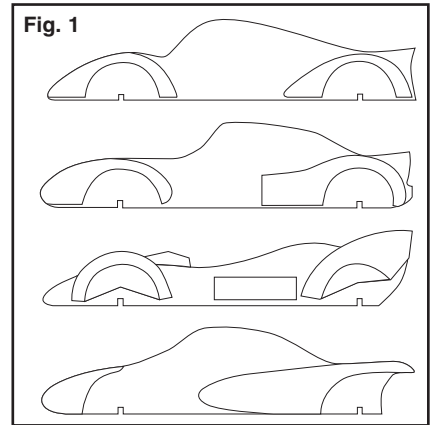
NOTE: Wheel wells must have enough clearance for wheels to spin freely. A template for this step is a must.

SHAPE BLOCK (Fig. 2 and 3)

1. Shape wedge or block as required per your design.
2. Keep weight placement in mind when shaping car.
3. Sand car with coarse grade (#80) sandpaper to remove rough areas.
TIP! Try PineCar Sandpaper Assortment (P380) to fill in gaps or repair deep scratches.

CREATE BODY BUILDER DETAILS (Fig. 4-9)

1. Trace template on one set of Side Pieces (Fig. 4).
 2. Test fit Back Side Piece on car and verify location of wheel well (Fig. 5).
 3. Cut out Back Side Piece with a coping saw or hobby knife.
 4. Test fit again. Use sandpaper to make adjustments. Glue to car with Formula Glue (Fig. 6).
 5. Align Front Side Piece with Back Side Piece. Verify location of wheel well (Fig. 7).
 6. Cut out Front Side Piece.
 7. Test fit again. Use sandpaper to make adjustments and then glue to car (Fig. 8).
 8. Repeat Steps 1-7 for second set of Side Pieces.
 9. Trace template on Top Piece. Test fit and cut out.
 10. Test fit again. Use sandpaper to make adjustments and then glue to car (Fig. 9).
- NOTE:** Verify shape and location of wheel wells with wheels temporarily attached to car.



MODELING AND CARE INFORMATION: This kit suggests the use of materials which may stain or cause damage. Take care to cover work space and clothing appropriately. Follow recommendations for use and clean up.



CAUTION: Cutting tools recommended. Use with care.



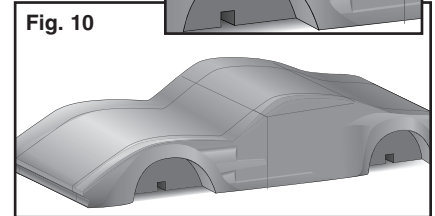
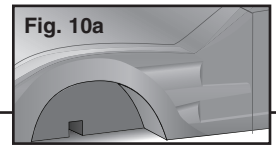
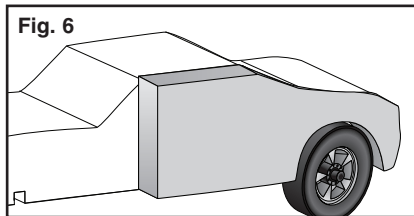
WARNING: Choking Hazard! Small Parts. Not intended for children under 3 yrs. Adult supervision required.
AVERTISSEMENT: Danger d'étranglement! Petites pièces. Pas recommandé pour les enfants de moins de 3 ans. Supervision d'un adulte requise.

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BODY BUILDER KIT - P4036 continued

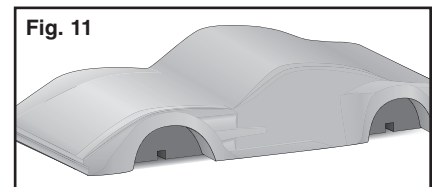
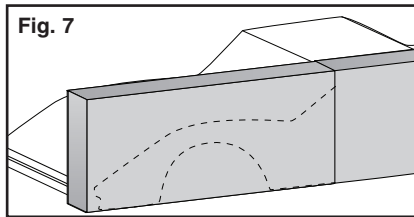
SAND CAR BODY (Fig. 10)

1. Sand car with #80 grit sandpaper to smooth finish. Wipe car to remove dust.
NOTE: Balsa Wood parts sand more easily than the pine.
2. Create fine details with sandpaper (**Fig. 10a**).



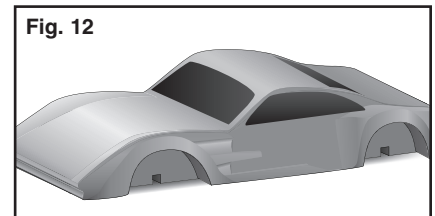
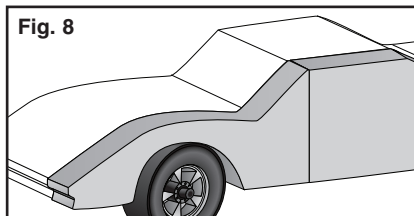
APPLY SANDING SEALER (Fig. 11)

1. Apply sanding sealer and sand car (per package instructions).
TIP! Try PineCar Sanding Sealer and Wax (P3960) for a flawless finish and PineCar Body Putty (P3928) to fill in gaps or repair deep scratches.



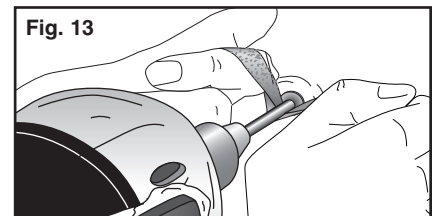
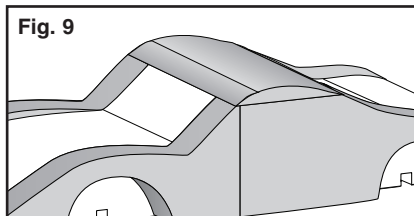
PAINT CAR (Fig. 12)

1. Apply at least two coats of paint, sanding lightly between coats. Apply a final light coat of paint, but do not sand.



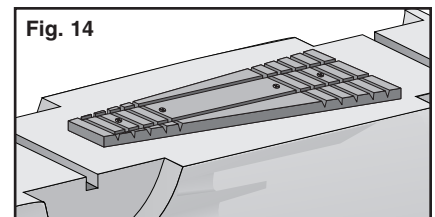
PREPARE AXLES AND WHEELS (Fig. 13)

1. To minimize axle friction and increase car speed, polish axles and tune wheels before attaching to car. For exceptional results, use the PineCar Micro-Polishing System™ (P4038) and Wheel Turning Mandrel (P357).
One-Piece Axles: Pre-fit axles in grooves. Remove, then polish.
Nail-Type Axles: Remove burrs from axles, then polish.
Wheels: Using a mandrel and fine grade sandpaper, remove mold imperfections and sand smooth.



ATTACH WEIGHTS (Fig. 14)

1. Weigh car and all components before attaching weights. Add or deduct weight per official race rules. It is best to make your car the maximum weight allowed.



ATTACH WHEELS (Fig. 15)

1. Install wheels and axles. Be sure axles set flush with bottom of car.

LUBRICATE WHEELS AND AXLES (Fig. 16)

1. Apply graphite between wheel and axle. Spin wheel to distribute graphite. Try PineCar Hob-E-Lube Dry Graphite (P358) or XLR8 Ultra Graphite (P4037).

