



DEAGOSTINI
MODEL SPACE™

RB7

RADIO CONTROLLED • BUILD IT YOURSELF • NITRO ENGINE

Pack 2



Stages 5-8



RB7



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RED BULL RACING RB7 complies with CE regulations.

NOT SUITABLE FOR CHILDREN UNDER THE AGE OF 14. THIS PRODUCT IS NOT A TOY AND IS NOT DESIGNED OR INTENDED FOR USE IN PLAY. ITEMS MAY VARY FROM THOSE SHOWN.

THE MAIN CHASSIS: A SOLID BASE

THE CHASSIS PLATE IS THE CENTRAL SUPPORTING STRUCTURE CARRYING ALL THE OTHER COMPONENTS OF YOUR RB7. TO ENSURE THAT IT CAN WITHSTAND ALL THE FORCES OF COMPRESSION, TENSION AND TORSION EXERTED ON IT DURING RACING, IT IS MADE OF DURALUMIN.

Duralumin is an alloy of aluminium, copper, manganese and magnesium, which is hardened by a heating and cooling process to make it almost as unbreakable and rigid as steel while weighing only one-third as much. This combination of strength, rigidity and light weight make Duralumin a good choice for the main chassis in RC model car making.

TOUGH AND ULTRA-LIGHT

The main chassis of your model RB7 is 2.5mm thick and 340mm long. The lower surface is 61.5mm wide, while along a length of 225mm the sides are 6mm high and bent over at right angles to form 12mm-wide sideplates.

Each sideplate has two projections about 5mm wide, and among other things they will support the side chassis plates, transmission and RC receiver. The main chassis is tapered at both ends to a width of about 50mm. The two axle assemblies – the front chassis with the steering and front suspension and at the other end the supporting structure of the rear axle – will be screwed onto these tapered ends.

The raised sides and the projections help to stabilise the chassis and give it a remarkable torsional rigidity in spite of the relative thinness of the Duralumin sheet. Considering the enormous forces to which the main chassis is subjected when the model is being driven, its

The main chassis is the central mounting platform for the front and rear axle units as well as for all the transmission and remote control components of your RB7 racer.



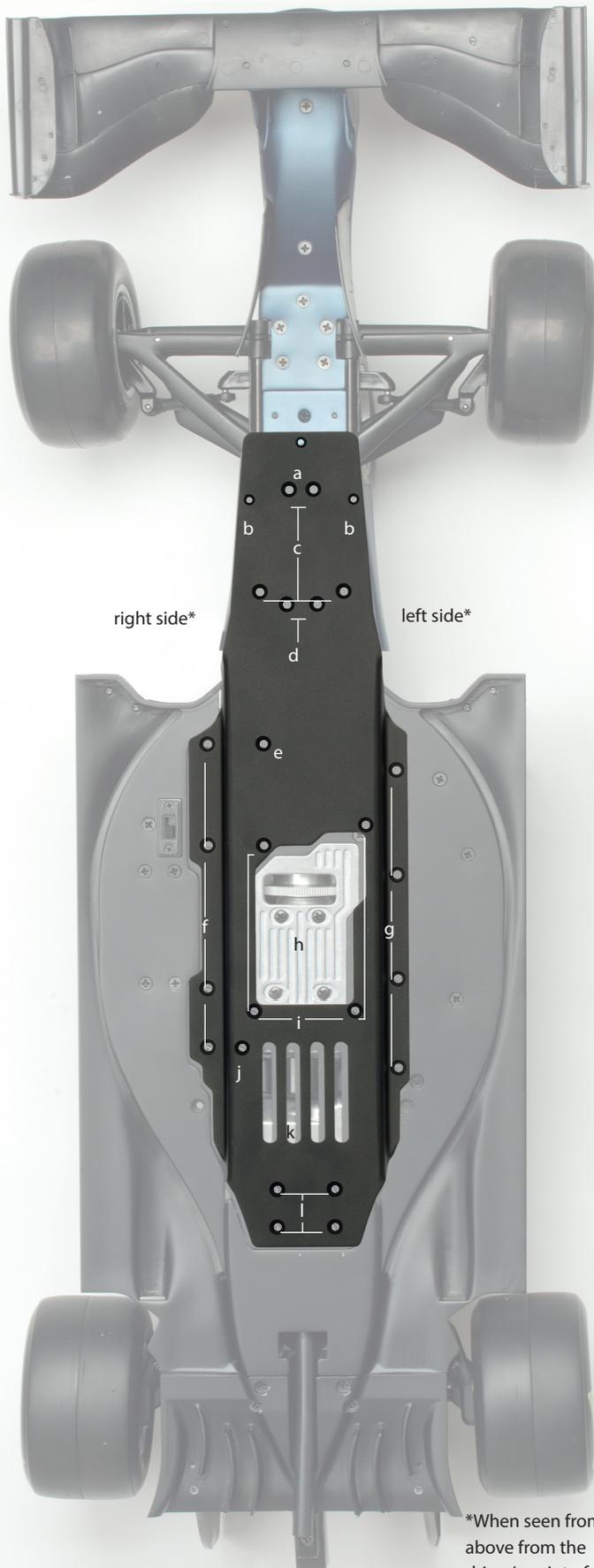
overall weight of only 150 grams is quite remarkable.

In order to improve the corrosion resistance of the alloy, the chassis surface has been anodised in black. This process coats the metal with a layer of aluminium oxide, bonded to its surface by an electrolytic process and then dyed black.

MOUNTING HOLES AND CUT-OUTS

The view on the left of the underside of the assembled model illustrates the functions of all the individual mounting holes and cut-outs of the main chassis plate.

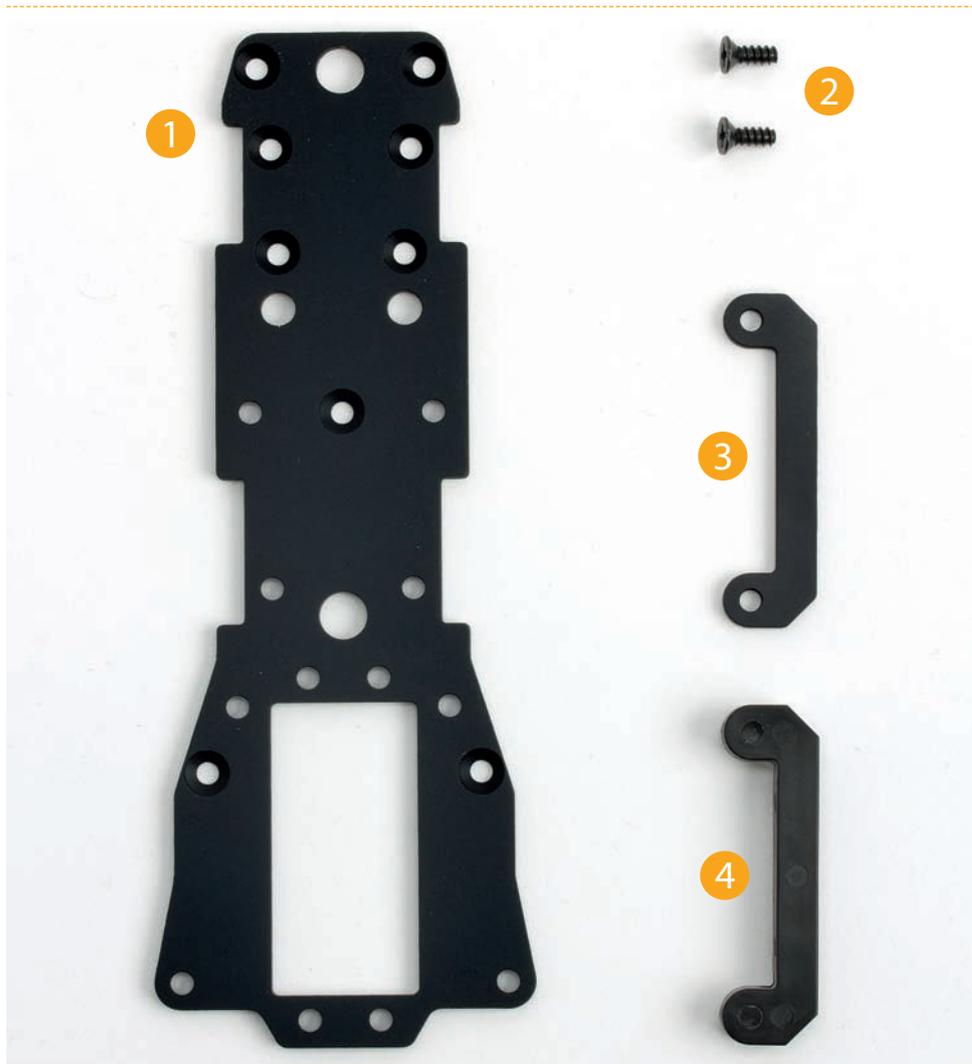
- a. Attachment point of the deflector on the underside of the front chassis
- b. Anchorage points for the left and right bargeboards
- c. Attachment points for the front bulkhead (four holes)
- d. Anchorage points for mounting the steering servo (two holes)
- e. Anchorage point of the front centre differential housing for the drivetrain
- f. Attachment points on the right sideplate (supports items including the transmission)
- g. Attachment points on the left side-plate (supports items including the RC receiver)
- h. Cut-out for the engine mount
- i. Anchorage points for the engine mount (four holes)
- j. Anchorage point of the rear bearing block for the drivetrain
- k. Cooling cut-outs for the exhaust system (four slots)
- l. Attachment points for the lower rear bulkhead (this also houses the differential of the rear transmission).



Stage 5

COMPLETING THE FRONT WING

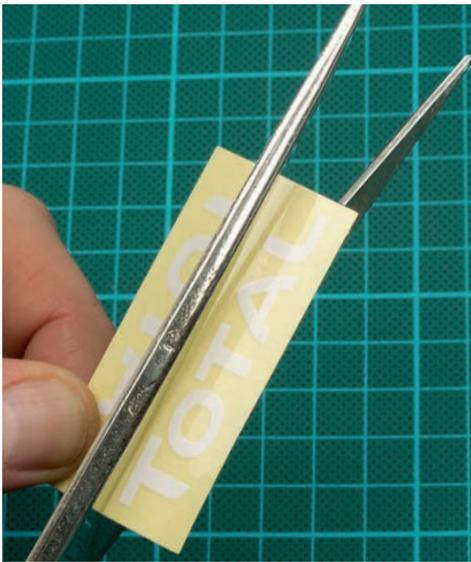
FOR THIS SESSION, YOU GET THE FIRST PARTS FOR THE CHASSIS OF YOUR RED BULL RACING RB7, AND ADD STICKERS TO FINISH OFF THE ASSEMBLY OF YOUR MODEL'S FRONT WING.



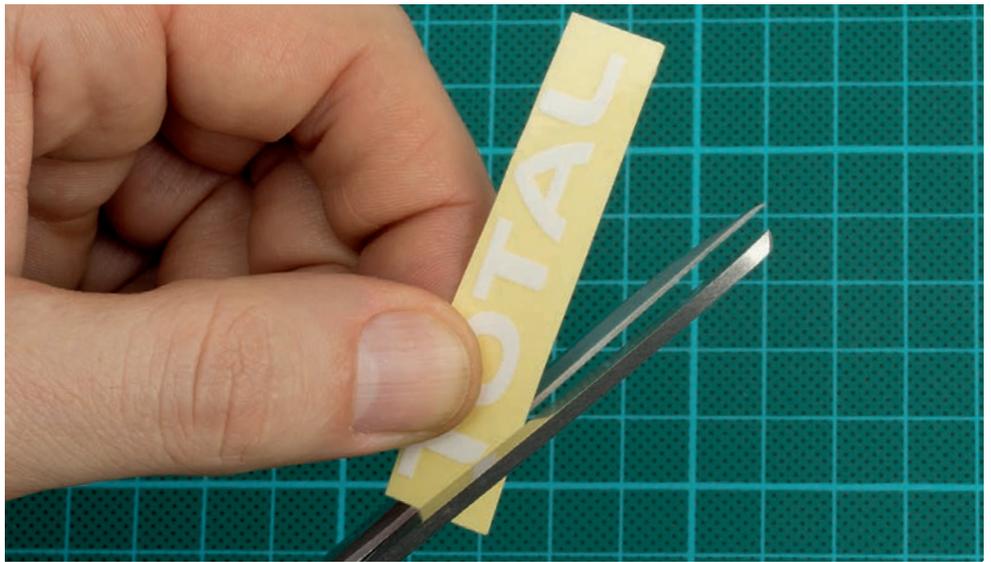
Tools & Materials

Cloth
Scissors

- 1 Lower front chassis
- 2 2 countersunk screws 3 x 8mm
- 3 Front lower wishbone plate
- 4 Front lower wishbone holder



01 Take the sticker you received with Pack 1, and use a pair of scissors to separate the two TOTAL stickers from each other.



02 When applying the two stickers to the front wing, there should be no part of the sticker that protrudes past any edge of the endplate. To achieve this, take one of the stickers and cut away the border around the TOTAL logo, as close to the white letters as you can. Caution: don't cut into the white text.



03 Repeat the previous step with the second sticker, cutting as close to the white lettering as you can without damaging it.



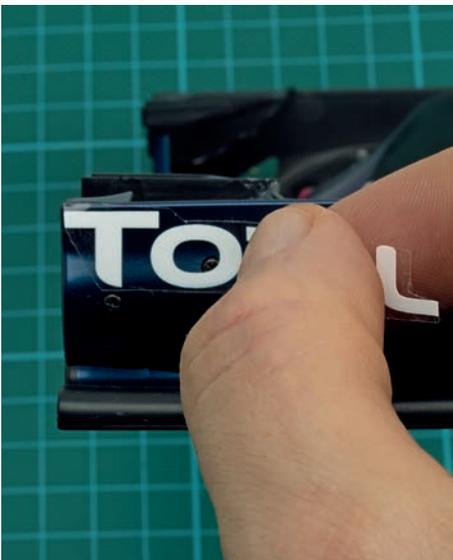
04 The two TOTAL stickers fit on the endplates of the front wing. Using a moist cloth, remove any dust or grease from the outer surface of each endplate. When they are dry, proceed to the next step.



05 To attach the sticker to the endplate, first remove the backing. Then place the sticker on the right endplate of the front wing, as shown in the photo. Make sure that the end of the sticker is flush with the front end of the endplate.



06 Take the moist cloth and wipe the left endplate of the front wing, removing any dust or grease. Wipe the surface dry.



07 Remove the second sticker from the backing paper and fix it onto the left endplate, flush with the front end as shown.



08 Now the look of your model's front wing is exactly the same as that of the real RB7. Store the wings carefully until the next phase of construction.



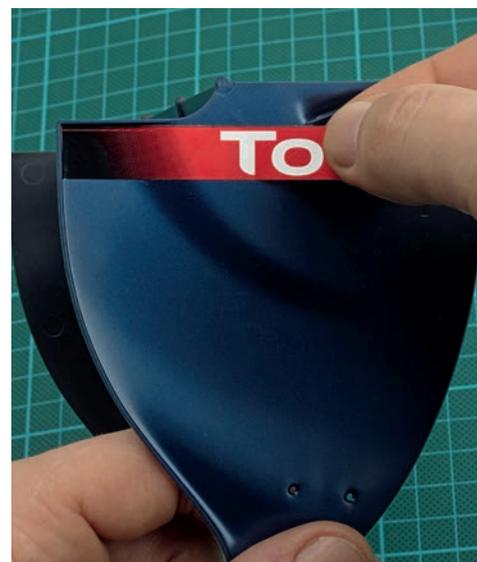
09 We now continue with the stickers from Pack 1, which go on the rear wing. Carefully separate the two red TOTAL stickers from the others.



10 Gently remove all the outer border around the stickers. Now separate the two stickers from each other.



11 Hold the rear wing as shown, and use a moist cloth to clean the outer surface of the right endplate.



12 Now take the TOTAL sticker with the lettering on the right side. Remove the backing paper and fix the sticker to the top of the endplate, as shown.



13 Clean the left endplate of the rear wing with the cloth to remove any impurities from the surface.



14 Remove the backing paper from the second TOTAL sticker and fix it to the top of the endplate.



15 At the end of this stage, the rear wing should appear the same as in this photo. Store it carefully until needed.

Stage 6

THE MAIN CHASSIS

THIS SESSION INCLUDES THE FIRST PART OF THE MAIN CHASSIS FOR YOUR RED BULL RACING RB7, AND INSTRUCTIONS FOR ADDING THE LOGO STICKERS TO THE REAR WING OF THE CAR.



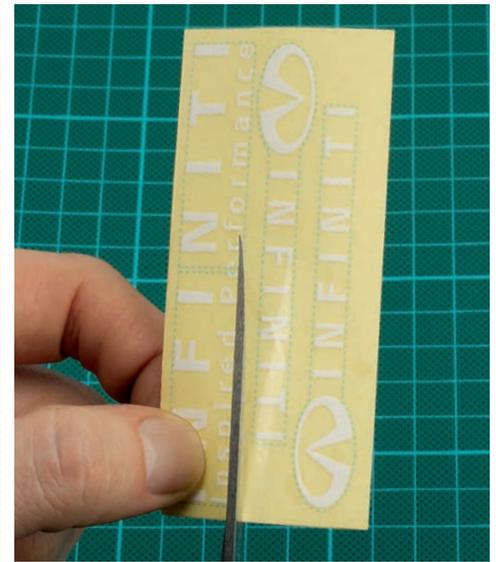
Tools & Materials

Scissors
Knife
Cloth
Steel ruler

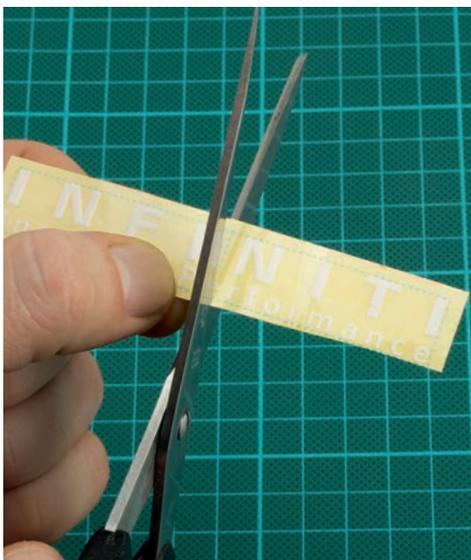
1 Main chassis



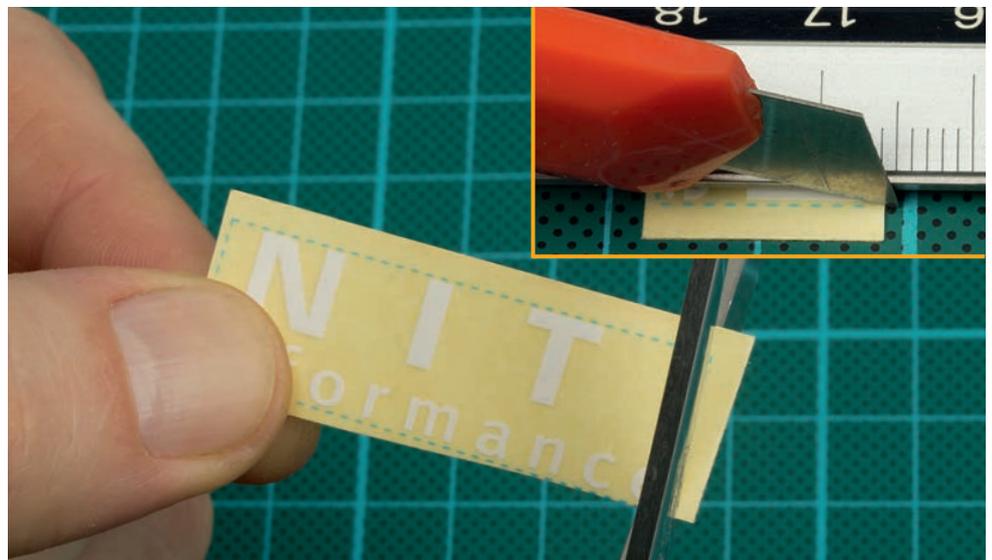
01 In this stage, we continue with the rear wing of your RB7. In addition to the rear wing, you will need the remaining stickers from Pack 1 for this part of the assembly. These fit on the undersides of the rear wings.



02 Carefully cut around the INFINITI Inspired Performance sticker without damaging the other two stickers on the sheet.



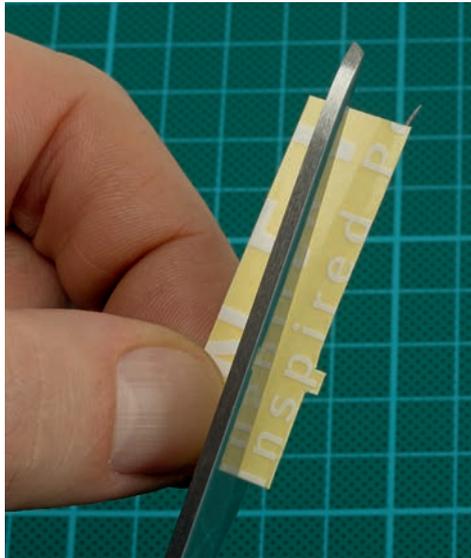
03 Hold the INFINITI Inspired Performance sticker as shown, and cut in between the two blue crop marks in the middle.



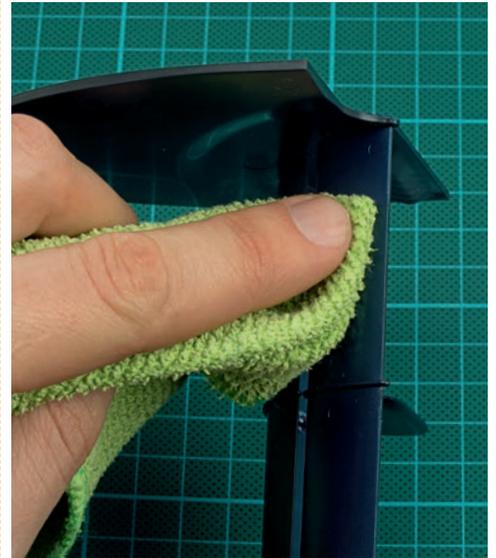
04 Lay the INFINITI part of the sticker on a cutting mat and, using a metal ruler as a guide (see inset), cut along the dotted blue lines with a sharp craft knife.



05 Carefully cut away the areas outside of the dotted blue lines on the INFI sticker.



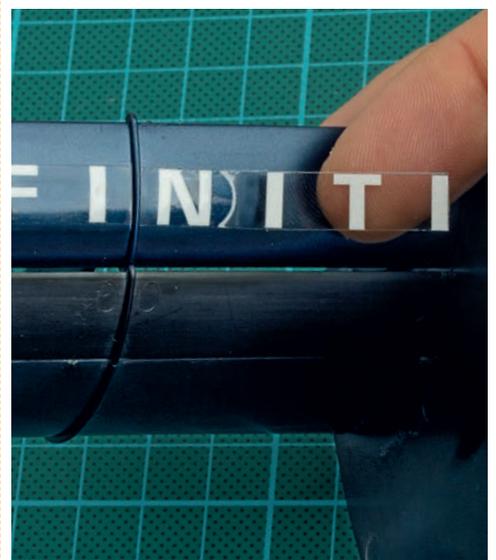
06 Use scissors to separate the upper and lower lines of text on the stickers, as shown.



07 Hold the rear wing assembly steady, and use a moist cloth to remove any dust or grease from the outer surface of the underside of the rear upper wing.



08 Place the rear wing front-down on your work surface, as shown here. Remove the sticker with the letters INFI from the backing paper, and position it as shown on the left side of the upper rear wing. The right end of the label should be flush against the central spine of the wing.



09 Take the second part of the INFINITI sticker and place it as in the photo. Its left end should be flush against the central spine.



10 Use a moist cloth to clean the area on the rear middle wing below the INFINITI logo. Wipe the surface dry.



11 Take the left section of the Inspired Performance sticker and remove it from the backing paper. Then place it on the left side of the middle wing, as shown above. The right end should be flush against the central spine.



12 Place the second half of the Inspired Performance sticker on the right side of the middle wing, with its left end flush with the central spine.



13 At the end of this stage, the back of the rear wing should appear as in the photo. Store the rear wing in a safe place until it is needed again.

Stage 7

FITTING THE LEFT FRONT TYRE

THE COMPONENT SUPPLIED FOR THIS SESSION IS THE LEFT FRONT TYRE. IT COMES COMPLETE WITH ITS FOAM INSERT SO THAT IT IS READY TO BE FITTED TO THE WHEEL.



Tools & Materials

Knife
Fine-grade sandpaper
Lint-free cloth
Superglue
Steel ruler
Brush

- 1 Left front tyre with Pirelli logo
- 2 Foam insert (pre-installed)



01 For this part of the assembly you will need the left front tyre supplied with this stage, plus the wheel and the OZ RACING stickers from Pack 1.



02 Roughen the inner surface of the grooves around the outer side of the wheel with some rolled-up, fine-grade sandpaper to optimise the adhesion in this area.



03 When you have sanded the fluting, brush away any residue.



04 Repeat Steps 02 and 03 along the inner groove of the wheel.



05 Take the left front tyre with its pre-installed foam insert and push the wheel gently through the central hole from the back.



06 Turn the wheel around and, holding the assembly as shown, pull the tyre lip into the groove on the inside rim so that it rests fully within the groove.



07 Now repeat Step 06 on the other side of the wheel rim and the tyre. The tyre lip should again rest fully within the groove.



08 Pull the tyre lip back from the wheel as shown, and drip a small amount of superglue into the groove.



09 Push the tyre lip back into the groove and hold it there for a few seconds. Repeat Steps 08 and 09 at intervals of 2cm around the entire circumference of the wheel groove (as indicated by the red arrows).



10 Your wheel should now look like this. Retain the OZ RACING stickers supplied with Pack 1.



11 Using a steel ruler and a knife, separate the two OZ RACING stickers from each other.



12 Holding the assembly as shown, use a moist cloth to wipe away any dirt, grease or residue from the inside of the wheel. Ensure that the wheel is dry before proceeding to the next step.



13 Remove one of the two stickers from the backing paper and carefully stick it onto the inside of the wheel rim, as shown.



14 Remove the backing paper from the second sticker and fix it to the inside of the rim, diametrically opposite the sticker that you applied in Step 13 (see red arrow). Store this wheel safely for use later on.

Stage 8

THE FRONT LOWER WISHBONES

BEGIN THE ASSEMBLY WORK ON YOUR RB7'S FRONT SUSPENSION, STARTING WITH THE LOWER WISHBONES, THEN ADDING SOME MORE STICKERS TO THE REAR WING.



Tools & Materials

Phillips screwdriver (size 2)
Angled needle-nose pliers (smooth)
Knife
Scissors
Steel ruler
Cloth

- 1 2 pillow balls 7.8mm
- 2 2 ball-headed screws 5.8mm
- 3 Front lower wishbones, left and right



01 Take one of the two front lower wishbones and place it so that the raised part of the hole (indicated by the red arrow) is facing upwards.



02 Place one of the 7.8mm pillow balls in the large hole at the end of the wishbone, as shown.



03 Align the hole in the pillow ball with the hole in the wishbone, and use angled needle-nose pliers to push the ball into the socket.



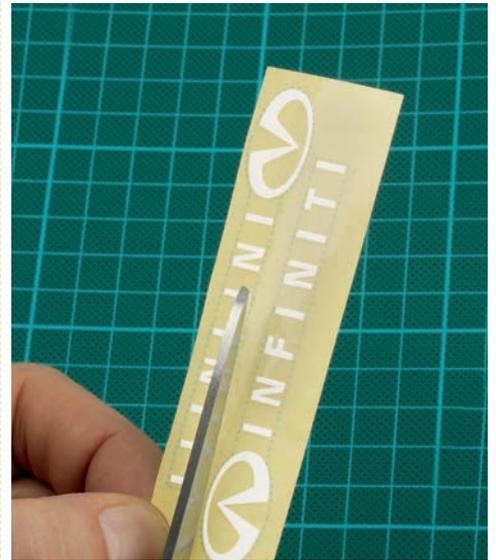
04 Screw the 5.8mm ball-headed screw into the raised hole in the wishbone.



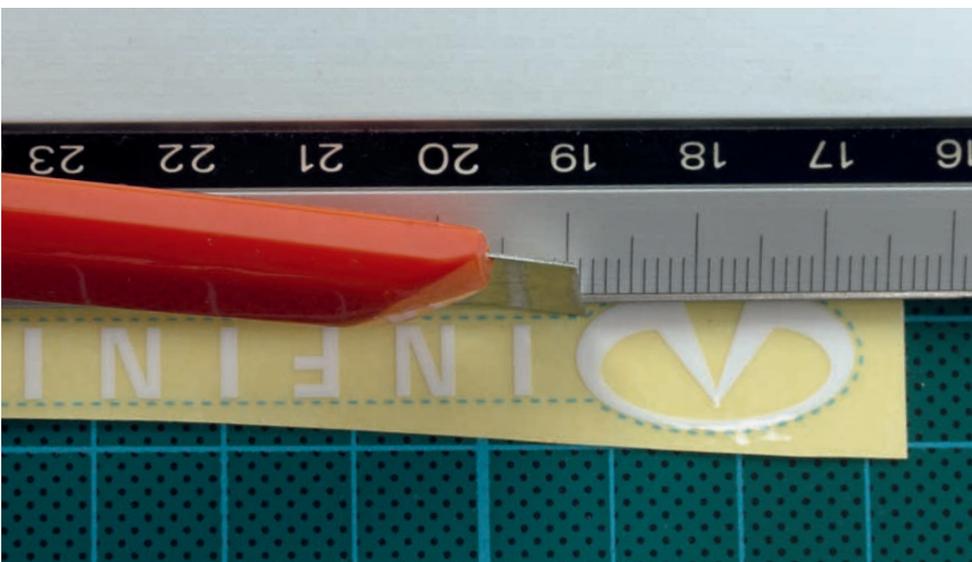
05 Repeat Steps 01 to 04 with the second wishbone. The two assemblies should then look like those shown above. Wrap the two parts in a cloth, and store them safely until next time.



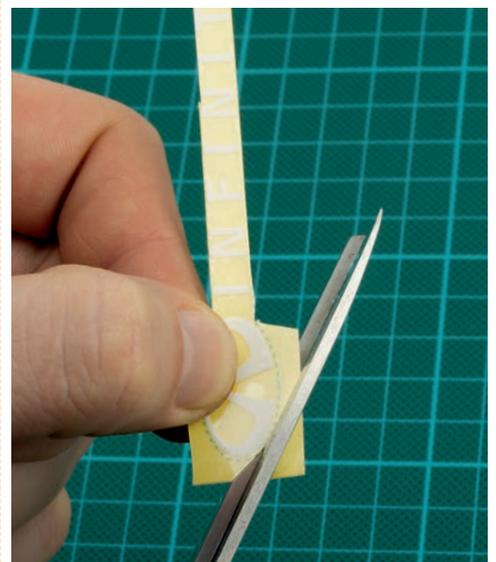
06 Now you can apply the two INFINITI stickers, supplied with Pack 1, to the rear wing endplates, below the TOTAL stickers.



07 Using scissors, carefully cut along the middle of the backing paper to separate the two stickers.



08 Each logo is outlined by a dotted blue line. It serves as a crop mark, but you will need to remove it completely before applying the sticker. Using a knife, cut along the line on either side of the lettering on each sticker.



09 Next, use scissors to cut carefully along the dotted blue line around the logo on each sticker.



10 Now prepare the surface of the right endplate. Wipe it clean with a moist cloth to remove any grease or dust.



11 Remove one of the two INFINITI stickers from its backing paper, and centre it on the endplate as shown, just below the TOTAL sticker. Please note that to achieve the best visual impact, the lettering should be exactly parallel to the TOTAL logo.



12 Now prepare the surface of the left endplate by wiping it clean with the moist cloth.



13 Remove the second INFINITI logo from its backing paper and position it, as shown, parallel to the TOTAL logo.



14 At the end of this session, the rear wing should appear as in this photo. Store the wing in a safe place until it is needed again.