

Audi 90 quattro

Marking:

Audi is medium difficulty model, build requires a higher level of modeling knowledge, patience and time. Build is better to lay out into stages, it is recommended to follow the text and watch guidance drawings. Prepare a wooden skewer of diameter 2mm, wire of diameter 1mm, lengths and colors can be found in the guidance drawing. Model can be built also in effective "glassed" version.

- ▶ - bend from the front
- - bend from the back
- ✂ - cut out
- ✂ - cut through

Tyres, wheels - numbers in black field

Make tyre from tread 1 and sidewalls 2. For outer part of wheel use rim 3, part 4 and disk 5, for inner wheel segment use rim 6, part 7 and disk 8. Now tyres and wheels glue together, so that both wheel parts insert into tyre and disks glue together. Make hub from 2x9, then add back parts 2x10. make wheel fans from 11, 12 (the inside of 12 cut out by dashed circle, then glue both parts together), finally add parts 13, 14. make nuts from 15 and 16.

Cabin, chassis, cowling - numbers in white field

Glue together two floor parts 1, 2 and let to dry under weight. Make cabin from 3, 4, 5 and place on the floor. Into cabin add middle gearbox cowl 6, on back wall add parts 7, 8. In front add corner part 9 and surface under pedals 10, continue with side plates of back wall 11, 12. Make rear section, work out base 13, then middle part of bumper from 14, 15, add lower part 16 and whole glue from back to base, then tank 17 and ventilation system from parts 18, 19. At the front add part 20. Next work on model is making of the side cowling. Start with the right side, upper section make from 21, 22 and tab 23, lower part from 24, 25 and tab 26. Both sections glue together, in front of side cowl add tab 27 for joining with front cowl, then plate 28, finally lower part of fender 29. Make rear edge from 30, 31 and glue to side cowl. For rear part prepare side section of bumper 32, 33, part 34 of rear lights (for proper shaping cut through the part in place over the lights till black surface) and tab 35 add to bumper. Finished segment glue to side cowl. Finally make rear fender with adding part from 2x36. For left side cowling use upper part from 37, 38, 39, lower part from 40, 41, 42, joining tab 43, plate 44, lower part of fender 45. Rear edge make from 46, 47 and glue to back. For rear section use parts of bumper 48, 49, lights 50, tab 51, part of fender from 2x52. Both finished sides glue with tabs to floor, continue with front fender and with plate, next to upper tab of cabin, finally in rear to middle part of bumper and with rear fender to floor. Now work out rear cowl section. Make trunk door from 53, 54, 55, rear panel from 56, 57 and glue together. Add tabs 58, 59 on rear of sides cowling, then glue to them whole of trunk door with rear panel. For front cowl use part 60 (in front cut through the part and make shape, after shaping is not needed to glue), right side make from parts 61, 62, 63, 64, left from 65, 66, 67, 68, then segments glue together. After dry add part of front mask with fenders 69, work out fenders with parts 70, 71, then add part 72 from below. Make front of car, glue together parts 73 and 74. Gradually add inputs, side 75, 76, front smaller 77, 78, bigger 79, 80, then front of car close with part 81. Make flaps 6x82 and glue into side inputs. Now cowl and front of car glue together, then whole glue to tabs on front of side cowling, then to chassis and to cabin.

Interior, roof, suspensions, details - numbers in grey field

Make frame for mounting of dampers, on right side use part 1 and upper holder of damper 2, on left use part 3 and holder 4, then glue it to base. Both side join with rod 5 and ensure with braces 6, 7 on back wall. Make part 8, body of dashboard from 9, 10, 11, dashbord face from 12, 13, 14 and all glue together. Make steering wheel from 2x15, 2x16 and 2x17. Prepare axle by instruct draw and insert to dashboard. On axle glue steering wheel, from below of dashboard glue two pedals 18, 19 and whole glue to cabin. Third pedal 20 glue on the floor, make gear shift from 4x21 and hand rest 2x22, both glue on places. Make seat gradually from parts 23 (blacken on back), 24, 25, 26 (turn part with black on top), then add outer sides 27, 28. Holders 29, 30 glue from below of seat, make seat belts from 3x31 and glue to seat, then final seat glue on the floor. Now pass seat belts through holes on back wall, then ends glue together, finally glue to frame. Continue with roof. Is possible to choose between full windows version, or cut out windows and use transparent foil. Good one is pure foil for overhead projector of 100 microns. All roof parts do blacken on back. In case of full windows version cut off windscreen section on part 32 by outer line of " sealing rubber " on upper part of roof and replace with windscreen part 33, then roof glue in one, finally prick holes with pin for antennas. In front add part 34, in rear add part 35. For version with cut out windows use part 33a, then add part 33b to windscreen. Make air input from 36, 37 (blacken parts on back) and glue into place on left side, then add desk 38. Now finished roof glue to cowl. First of all whole process try without glue, start with rear window to trunk, then to sides, finally to front cowl. Next step is work on suspensions. To rear right hub 39 add dumper holder 40, upper 41 and lower arm 42, then glue it on place, on other side pass through axle. On left side use 43, damper holder 44, upper 45 and lower arm 46. Align axle in hubs, then place dampers between holders. On front right suspension use hub 47, upper 48 and lower arm 49, steering rod 50, then glue it on place, on other side pass through axle, make left suspension from hub 51, upper 52 and lower arm 53, steering rod 54. Finished suspension glue on place and also align axle. Make rear brake discs from 2x55, 56, 57, front discs from 2x58, 59, 60, calipers 4x61, prepare 4 x axle and all glue together. Finished wholes glue to hubs. Last step is work on details, make exhauster from 62, 63, 64, 65, air inputs (blacken on back) right 66, left 67, right mirror from 68, 69, 70, 71, left from 72, 73, 74, 75, towing eyes front 76, rear 77. Rear wing make from parts 78, 79, 3x80 and glue on place. Make protection net from 2x81 and place in left window. Now put the wheels on axles and ensure with nuts.

Model of Audi 90 Quattro IMSA is ready. Hope that you are enjoyed building and wish satisfied results.

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