

Before you start

These lines will be grooved from the front side: ➤

These lines will be grooved from the back side: ➤

Red diagonals mean these parts will be cut out: ⊗

Numbers on the valves suggest where (to which parts) will the valves be glued. % before numbers mean, this part will be glued from the back side.

I recommend tempera paint to retouch the edges.

You can choose to build an easier version of the model without interior, engine and other details, or more sophisticated version with all the details. Follow the drawings during the whole process of making the model. You will need pins, a piece of thin wire, skewers and see-through foil to make the windows.

Instructions

Start by making the frame. Connect parts 1 and 2 with part 3, then connect 4 and 5 with 3. Assemble front part 6 and connect the previously made parts. Assemble transom 7+11+9+10 and add to the frame. Add four transoms 13, 13A, and 13 again from the lower side. Make two transoms 7, 12 and 8, than two transoms 13, add tank 14 and secure with two parts 13. Cut out 15 and add 19 + 18 (x2), add 16+17, then assemble the bumper and add to the frame. Affix eight holders 20 and four holders 21. Then make four leaf springs 23+24+25+26+27. Seal two front springs with 28 (2x) and rear springs with 29. Add eight stripes 30 and eight stripes 31, add to the model add four silencers 22.

Assemble front axle 32, add two stripes 33, two cylinders 34+35. Use pins 38 to affix left wheel holder 36 and right holder 37. Connect with bar 38A so that they are balanced. Assemble front wheels holders – 39 (x2), 41 and 40 (without holes) and rear holders 39+42+40. Now assemble rear axle 43, add 46 (x2) (those with suggested holes). Add axis 262 so that it is balanced on both sides. Add parts 34+35, 44 and 45.

Now make wheels: Assemble six coats 52, add six discs 48.

Two rear inner wheels – inner part 49 with stop 50, then glue 51, Seal with discs 47 (x2).

Two rear outer wheels – parts 53+54+55+56+57+58+59. Seal with discs 47. Connect inner and outer wheel with part 46.

Two front wheels – parts 60+61+62+63+64.

Affix wheels to axles and put aside.

Assemble cooler 65, add ring 66, add propeller holder 67 and propeller 68. Add to the model. Make the engine support and add to the model.

If you do not wish to make the engine, omit the following paragraph.

Assemble engine 70+71+72, add two lids 73 and front part 74+76+77+78. Add 75 (x2). Affix pulley 79+80+81+82+83+84, then pulley 85+86+87+88+89+90+91. Add alternator holder 92 and pulley 93+94+95 and pulley 98+97+96+94+95. Assemble alternator 102, parts 101 and 100. Make pulley 99, 94 and 95. Add parts 103, 104, 105, 107, 106, 108, 109, 110, 112 and 111. Continue by adding parts 113, 114, 115, 116, 117, 118, 119, 120. Affix the engine to the model. Make the pipes from four parts 122, 123 (x2), 125 and 124. Assemble part 130, add 128, 126, 127 and two lids 129. Affix all to the model. Add two parts 132 to 131, add to the model, then add 134 with 132. Assemble pipes – 135+136, add to the models and add 137 + 138, attach to the cooler. Add 133.

Now assemble the bodywork – ATTENTION: Text marked (*text*) is only for easier version of the model without the interiors. Text marked (-text-) is only for version with interiors. All other text is valid for both versions.

Before cutting part 153 out, mark the back side with segments CC, DD, FF. After cutting this part out, use a (round) pencil to shape the roof into rather round shape. (-Cut all windows out, as well as 260 (2x). Add 156 from the back side. Pay attention to correct shaping of the roof.-) (*Cut out 156, cut the upper stripe off and use the stripe to connect this part with 153.*)

Assemble 154 in a similar way. Draw segment EE on 157. (-Add foil 257A and add 157 from the back-). (*Cut two stripes from 157, first the long one next to EE, then the short one in its upper part. Add stripes to part 154 and use them as connections.*)

Now connect both parts carefully. Draw marks JJ, GG and HH on back of 155. Affix the cut out part to the model, but do not fold and glue the rear part yet. (-Add remaining foil 257B, 258 and 259, then add 158A from the back.-) Let dry, then shape, fold and glue in both front and rear parts. (-Add 158B and 159.-) Add 177 (x3), 183 (x2) and 184 (x2) to 160 and glue 160 to the model. Add lights: 183 (x4), 184, 185 (x2), 178 (x5), 177(x6). Add side stripes 165, 166, 173, 174. Add two 186 (2x) with lights 187 from the back side.

(-Glue 222 and 223 on thick cardboard so that both parts are connected. -) Add 224 and 225. (*First glue these parts on thick cardboard so that they are connected.*)

(- Affix assembled side 232, 233 and 235. Assemble dashboard 240+238+239, connected parts 244 and 245, then 241+242+243, steering wheel 248+249 (skewer). Glue dashboard to the floor. Connect 236 with 237 and glue the seat to the floor. Assemble three pedals 250 and 251 and glue to the floor. Add gear 252, 253 (a piece of wire) and 263. Add to the model. Assemble and affix stairs 226 and 227. Add 246 and 247 to the dashboard. Add railing (wire) 234. Assemble seats 12x (229+230), 12x(231+230). Glue seats to marked spots. If you wish to have the doors open, make T-cut and shape them as you wish. -)

Add two splashboards: 190+191 (right), 192+191 (left). Glue the bottom of the body to the floor. Add two roof covers 189, two dashboard linings 182, side stripes 162, 164, 161, 167, 171, 172, 170, 175, 169, then add two lights 181, four lights 180 and 179. Glue rear bumper 193 and stripes 168, 176, and box 228.

Assemble parts 202 and 203, attach to the model. Shape hood 209 with 211. Optional – you can cut the front mask out and glue in 211A for better 3-D effect. Affix 210. Make left fender 205+207+208, glue to the model, make right fender 212+214+208+back side 206 and 213.

If you do not wish to make the engine, skip the following part. Assemble parts 149, 150, 151, 148, 152 and two holders 204. Add to the model.

If you do not wish to make the mirrors, skip this part. Paint pieces of wire black and shape (all twice): 216, 217, 218, 219. Glue to holes in the frame and assemble mirror holders. Assemble two mirrors 220, 221 and glue to the holders.

Add two winkers 215. Assemble "stop sign" from 194, four parts 187, holder 195 and pin 196. Affix all to the model so that it can move. Make light covers 188 (x8). Now shape front window 254 (-cut off all white valves and cut out glass opening 255, add "glass" and back part 261.-) Glue finished window to the model.

Assemble two left mirrors 197, 199, 177. Add wire 200, attach assembled mirrors. Shape wire 201 and add two mirrors 198, 199, 177.

If you made the engine, assemble exhaust 139, 140, 141, 140, 142, silencer 145, 146 (x2), five holders 147. Add 143+144, cut these so that they match the length of the bus. Add two wipers 264, cardan shaft 121 (black skewer)-pull this into gear and into differential on the other side. Attach to the bus and make sure the wheels move freely.

Now, the model is finished.

I hope you had fun making it.

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