

LADA CLASSIC TECHNICAL REGULATIONS 2023

1. General prescriptions

1.1 All the modifications which are not allowed by the present regulations are expressly forbidden.

1.2 All additions, modifications and solutions of which is by the scrutineers deemed to be dangerous, is considered dangerous.

1.3 All modifications not prescribed here must comply with Groups A and N regulations of FIA Sporting Code Appendix J (Art 252 and Art 255).

1.4 Safety of the vehicle must comply with FIA Sporting Code Appendix J (Art 253).

2. Vehicles allowed in the Lada Classic class:

2.1 The Lada Classic class includes rear-wheel drive Lada (Vaz) 2101-2107 models and their modifications, with an engine capacity of 1200 to 1600 cm³.

2.2 It is allowed to increase the engine capacity up to 2.5% of the original engine capacity.

2.3 Vehicles must have technical card issued by FIA, EASU or ASN. **Safety cages of cars with technical card issued starting from 1.1.2023 must be certified by ASN.**

2.4 Safety cage must comply to FIA Appendix J Art.253.8. valid at the time of issuing the technical card.

3. Engine

3.1 Lada Classic engine block

It is allowed to use engine blocks with the following OE designations:

- 2101, OE nr. 2101-1002011 (diameter of the cylinder 76 mm)
- 21011, OE nr. 21011-1002011 (diameter of the cylinder 79 mm)
- 2103, OE nr.2103-1002011 (diameter of the cylinder 76 mm)
- 2105, OE nr.2105-1002011 (diameter of the cylinder 79 mm)
- 2106, OE nr.2106-1002011 (diameter of the cylinder 79 mm)

3.2 Modifications of the engine block is allowed, maximum diameter of the cylinder is 80 mm.

3.3 Crankshaft is free, but the original type and number of the crankshaft's bearings must be retained.

3.4 Lubrication system is free, location of the oil radiator in engine compartment is free.

3.5 Original cylinder head must be retained. It is allowed to use cylinder heads of Lada 21213 and 21214 models. Modification is allowed.

3.6 The accelerator linkage is free

3.7 Valves and valve springs are free, but number (max 8) and location of the valves must be retained.

3.8 Camshaft is free.

3.9 Supercharging is not allowed.

3.10 Intake and exhaust manifolds are free.

3.11 Ignition is free.

3.12 Cooling is free, location of the radiator in engine compartment is free.

3.13 Silencer is free. Exhaust pipe must protrude from under the body, but not outside the body perimeter. The noise level on the open road must not exceed 103 dB(A)/3500 rpm.

4. Transmission

4.1 Clutch is free. Operating by driver must be mechanical.

4.2 Location of the gearbox must be retained.

4.3 Gearbox housing must be original, otherwise free, provided that the maximum number of gears is 6 and the switch is H-type.

4.4 Gearbox must include reverse gear.

4.5 Final drive, differentials, driveshaft and joints are free.

5. Brakes

5.1 If original braking system is not used, at least dual circuit brakes are compulsory. Pedalbox is allowed.

5.2 Hand brake is mandatory.

5.3 Otherwise the braking system is free.

5.4 Only serial production brake system parts may be used.

6. Steering

6.1 Steering system is free.

6.2 Only serial production parts may be used.

7. Suspension

7.1 Springs and anti-roll bars are free.

7.2 Shock absorbers are free, but number must be retained. "Coilover" is prohibited.

7.3 The suspension must retain its original mounting points on the body, construction and working principle. Front lower wishbones can be shifted by 25 mm.

7.4 It is allowed to use Watts linkage on rear axle.

8. Bodywork

8.1 Original appearance must be retained

8.2 Bonnet, boot lid and rear doors and mudguards can be made of composite polymer (thickness 1,5-2,5 mm) reinforced with fibre, or aluminium (thickness 0,5-1,5 mm). Additional two ventilating holes can be made to the bonnet, with maximum area of 500 cm². Area is measured on the bonnets reference plane, not depending of shape or existence of the air intakes, ribs etc. These holes must be covered with metal net or ribs, which cannot be higher than 35 mm measured from bonnets plane.

8.3 Additional two ventilating holes can be made to the bonnet, with maximum area of 500 cm². Area is measured on the bonnets reference plane, not depending of shape or existence of the air intakes, ribs etc. These holes must be covered with metal net or ribs, which cannot be higher than 35 mm measured from bonnets plane.

8.4 It is permitted to remove the trim from the doors together with their side protection bars in order to install a side protection panel which is made from composite material with thickness of 1,0 mm or any other non-flammable material with thickness of 2,0 mm. Material should be fitted with rivets or screws. Any other trim can be removed. Glove compartment can be removed.

8.5 Homologated air intakes for purpose of ventilating the cockpit can be fitted into roof. Air intakes of the other manufacturers can be used.

8.6 The heating unit may be removed completely in the case of condensation of the windscreen and side windows is prevented.

8.7 Windows can be made from plastic, except windscreen. Plastic windows must be made from unbreakable material (bendable without breaking) with minimal thickness 3,0 mm. Plastic front side windows must have a sliding hatch with min measures 140x140 mm, or revolving hatch with diameter min 140 mm. Plastic side windows must be mounted to the bodywork by means of glueing and/or riveting, max diameter of rivets 3,2 mm. Although plastic windows can be mounted into original seals. In this case windows must be fixed from bottom to the door frame with two mounting points. Cars without window frame original glass windows must be retained.

8.8 Front doors must be retained in original shape and material. Front door pillars must be retained.

8.9 Dashboard must originate from same car manufacturer and in original shape. It is permitted to make necessary changes to the dashboard for fitting additional gauges and controls.

8.10 Fenders can be processed. Widening fenders is allowed, material is free, but car's overall width cannot be widened more than 14 cm (7 cm from both sides). Cutting the old fender beneath of the widened fender is allowed. The wheel arches may be modified in order to house the wheels authorised.

8.11 Bumpers can be removed. If the bumpers are removed their mountings must also be removed.

8.12 Air ducts beneath wheel axles are free. Spoilers can be removed. Non-homologated spoilers can be fitted in the case of:

- spoiler must not protrude beyond of contour of the car, when seen in frontal and vertical projection
- spoiler with its mounting points must fit inside a 20x20 cm square when viewed from side.

9. Electrical system, lighting

9.1 Nominal voltage of the battery must be retained. Should the battery be moved from its original position, only dry battery can be used and it must be fastened to the body with at least 2 metal rods with at least M6 bolts (strength class min. 8.8). Attachment points must be strengthened with 3 mm thick metal plates with an area of 20 cm².

9.2 The lights must be identical to the original and in working condition.

10. Fuel tank

10.1 Original fuel tank can be replaced with FIA FT3 1999; FT3.5; FT5 and also SFI safety fuel tank.

10.2 Safety fuel tank must be located behind of the main rollbar and separated from cockpit with leak-proof and non-flammable cover or container. If the FIA standardised connectors not used, filler neck must be fitted to external surface of the car. Safety fuel tanks may be used another two years after the date of the end of validity.

10.3 The fuel tank air vent(s) must be equipped with non-return and closing valves.

11. Safety equipment

11.1 The safety prescriptions as specified in Article 253 of Appendix J are applicable.

11.2 Seats must be homologated at least by the FIA standard 8855-1999 and may be used after their expiry date, provided that their framework is not deformed, supports not detached and that there are no significant damage or tears in the cover fabric.

11.3 All drivers must wear FIA homologated crash helmets according to FIA Technical List no 25.

11.4 Front Head Restraint systems according to FIA Technical List no 29 is compulsory.

11.5 It is allowed to use 8857-2001 Type A homologated paddings (FIA Technical List no 23), but also other safety cage paddings, which are made from non-flammable material with minimum thickness 15 mm.

11.6 Safety harnesses can be used two years after their expire date.

12. Minimum weights

Up to 1300 cm³ 700 kg

Up to 1600 cm³ 780 kg