

Car Technic



Goflex Trafik

Learn Easy

ENGINE AND EXHAUST SYSTEM

- The engine has to be clean (there should not be oil leaking over the engine).
- The exhaust pipe must be securely strapped on an airtight.
- The exhaust must be fitted with a silencer.

TYRES

- Tires and wheel rims must be undamaged.
- Must have a depth of at least 1.6 mm in the main tread over the entire tire.
- Must be of the same type on all four wheels (for example. summer tires / winter tires).
- Must be inflated to the correct tire pressure (can be seen in the car's instruction manual).
- Studded tires may be used from November 1 - April 15.

SHOCK ABSORBERS

- Check by pressing hard on the car's shock absorber.
- The car must then immediately come to a standstill.
- You do this with all 4 shock absorbers.

STEERING

- The control unit must be able to be operated easily, safely and quickly.
- The steering gear must be self-correcting without noise.

STEERING WHEEL FREE PLAY

- Steering wheel free play is the piece of the steering wheel that can be turned without the wheels coming with it.
- Cars with rack-and-pinion steering must not have steering wheel free play (all new cars).
- The fluid level in the servo fluid reservoir must be between Min. & Max.

STEERING WHEEL FREE PLAY CHECK

- Start the engine, set the wheels in straight position (the power steering works only with the engine running).
- Roll down the window at the driver seat and get out of the car.
- Turn the steering wheel quickly from side to side, and see if the wheel follows the movement of the steering wheel (You need a helper to tell when the wheel on the opposite side is moving).

BRAKES (Foot brake)

- Must be a 2-circuit hydraulic braking system (works with fluid pressure).
- If one circuit fails, the other acts as an emergency brake.
- If one circuit fails, the car must be towed away, do not drive with defective brakes.
- Must work on all 4 wheels.
- Must be able to brake the car quickly, safely and effectively at all speeds and loads.

THE PARKING BRAKE (The hand brake)

- Must be mechanical and act on at least 2 wheels.
- Must be able to hold the car on an 18% incline and stand in the clamped position.

THE EMERGENCY BRAKE

- Can be one circuit in the service brake, or the parking brake.
- Must be able to brake the car safely if the service brake fails.

CHECKING THE SERVICE BRAKE (The foot brake)

- The brake pedal must have a non-slip surface.
- The brake pedal must be fixed.
- The brake pedal must not be able to be depressed at most halfway down towards the bottom.
- The brake pedal must not sink at constant pressure.
- The brake pedal must have 1 cm clearance.

CHECKING THE POWER VACUUM ASSISTANCE

(It is also called a brake booster)

- Pump the brake pedal 4 to 5 times with the engine off.
- Then keep the pedal depressed.
- Start the engine.
- If the pedal now sinks then it is a sign that the vacuum amplifier is working.

LIGHTS

- Lights on the front of the car must have the color white / yellowish, have the same color and strength both sides.

LICENSE PLATE LIGHTS

- Quantity : At least 1 pc.
- Color : Must be bright white
- Must be readable at a distance of at least **20m**

DIPPED-BEAM HEADLIGHTS

- Quantity: 2 pcs
- The lights must not dazzle.
- Must be asymmetrical to the right.
- The light cone must have a decrease of 1%.
(corresponding to a decrease of 1 cm per meters)
- Must be able to illuminate the road at least **30m**.

HIGH BEAM HEADLIGHTS

- Quantity: Minimum 2 pcs. or maximum 4 pcs.
- May seem dazzling.
- Must have a control lamp in the instrument panel. (blue color)
- Must be able to illuminate the road at least **100m**.

POSITION LIGHTS

- Quantity: 2 pcs.
- Do not appear dazzling.
- Must be visible from **300m** distance.

REAR LIGHTS (Taillights)

- Quantity: 2 pcs.
- Color: Must be red in color with the same strength .
- Do not appear dazzling.
- Must be visible from **300m** distance.

CHECK THAT THE LIGHT LIMIT DROPS 1%

- Can be checked by standing one meter from the car and measuring where the light limit hits the leg.
- Then you step back 10 m and the light limit should have dropped 10 cm.
(Or step back 1 m and the light limit should have dropped 1 cm)

STOP LIGHTS

- Quantity: 3 pcs.
- Color: Must be bright red.
- Must shine significantly brighter than the taillights.
- Do not appear dazzling.

REFLEXES

- Quantity: 2 pcs.
 - Color: Must be red.
 - Must be placed at the rear of the vehicle.
 - Must not be triangular.
- (Triangular reflectors are ONLY permitted for tractors and trailers)

DIRECTIONAL INDICATOR LIGHTS

- Quantity : 6 pcs.
- Color : Must be bright yellow / orange
- Must be visible in bright sunlight.
- Must flash 60 - 120 times a minute.
- Check all turn signals by activating hazard warning lights.

THE HORN

- The horn must have a clear and constant tone.