

**Open Joint-Stock Company
"Ulyanovsky Avtomobilny Zavod"**



**AUTOMOBILES
YA3-31512,
YA3-31514,
YA3-31519,
YA3-3153
AND THEIR MODIFICATIONS**

Instruction Manual

2001

This instruction manual contains the brief description of the design and necessary operating and maintenance instructions.

Since efforts are continually made to improve the reliability and performance of the automobiles, minor changes may be introduced without special notice.

We wish You a good trip!

IMPORTANT!

To ensure trouble-free operation of the automobiles, we recommended that You should attentively familiarize yourself with the present publication and follow all the operating and maintenance instructions laid down therein.

You can trust the maintenance of your automobile to one of the service stations recommended by the Sellers. These service stations are well stocked with spares, special appliances and tools. All the maintenance operations are performed by experienced specialists.

Safety instructions

1. Before a trip, check the condition of the lock mechanisms of the hood and the body doors.

2. When using the low-freezing fluid, leaded gasoline and brake fluid, do the following:

- avoid any operations which could lead to penetration of these fluids or their steams into the mouth cavity;

- do not let to dry the liquid which is ocured on the skin, but wash it off right away with warm water and soap;

- never spill liquids in the interior or indoors. Should spillage occur, wash off the spilled place with water and ventilate it;

- take off the spilled clothes, wash and dry it outdoors;

- wet with kerosene the carbon of leaded gasoline when scraping it off to avoid penetrating of toxic particles of carbon into the respiratory organs.

3. To avoid scalding, open the radiator cap of the engine cooling system with care.

4. Do not warm up the automobile assemblies with free flame.

5. Cut out the storage battery after driving and also in case of short circuit of wiring.

Precautions

1. Do not begin driving the automobile with the cold engine. After starting the engine from cold, never run it at a high crankshaft speed.

2. Cut in the oil cooler at an ambient temperature above 20 °C,

and when riding under hard service conditions (at heavy loads and a high crankshaft speed) independent on ambient temperature.

3. Shift the gearbox in the reverse gear and shift the transfer case to low range only when the automobile is stationary

4. When descending a steep:

- do not shut down the engine to avoid loss of the efficiency of the brakes provided with the vacuum booster;

- do not disengage the clutch to avoid breaking of the clutch driven disk.

5. When riding on dry hard-surface roads, disengage the front axle. When the front wheels are disengaged, never engage the front axle.

6. If one of the hydraulic brake circuits is a failure, the travel of the brake pedal is increased, and the braking efficiency is decreased.

7. When driving the automobile equipped with the hydraulic steering booster, it is not recommended to hold the steering wheel at the extreme position for more than 5 s in order to prevent overheating of oil and failure of the hydraulic steering booster pump.

8. When using the gun with the unscrewed tip, take out the spring and the ball in order to avoid their falling in the assemblies with liquid grease.

9. Avoid falling acids, soda solutions, braking fluids, antifreeze and fuel on the painted surfaces of the body and rubber parts.

10. Do not allow impact loads on the chassis of the automobile. When a strong impact of the front wheels is occurred, inspect carefully the wheels, all parts of the front axle, steering rods, steering mechanism, oil sump, eliminate defects, if required.

11. To avoid heavy loads on the axle differential, do not allow a prolonged slipping.

12. Use the warmth-keeping hood for radiator shell to provide the proper temperature condition for engine at an ambient temperature below 0 °C.

13. When the automobile is to be operated at a temperature below -30 °C, do not fail to disengage the front axle.

14. The automobile is provided with a towing hook allowing a short-time operation with a trailer. Do not tow a trailer on rugged ground.

15. Since efforts are continually made to improve the reliability and performance of the automobiles, minor changes may be introduced without special notices.

INTRODUCTION

The automobile YA3-31512 (Fig. 1) - passenger/cargo, with soft open-top four-door body and tail gate, with driving axles without hub drives*.

The automobile YA3-31514 (Fig. 2) - passenger/cargo, with four-door body, hard top and tail gate, with driving axles without hub drives*.

The automobile YA3-31519 - passenger/cargo, with four-door body, hard top (Fig. 2) or soft open-top (Fig.1) and tail gate, with driving axles without hub drives*.

The automobile YA3-3153 (Fig. 3) - passenger/cargo, with four-door body, hard top and tail gate, with driving axles without hub drives*.

There are two-axle all-wheel drive cross-country vehicles (4x4 wheel arrangement).

The automobiles are designed for transportation of people and loads on roads of all types and intended for operating at ambient temperatures from -45 °C to +40 °C

The automobiles YA3-31519, YA3-3153 are equipped with an engine of uprated power.

AUTOMOBILE MARKING

The identity number of the automobile is indented on the nameplate, on the level flange of the body front upper panel (Fig. 5).

The nameplate "Identification Data" is fixed at the central pillar of the r.h. body side (at the aperture of the rear side door).

The body number is indented on the level flange of the body front upper panel (under the hood, on the l.h. side).

The chassis number is indented on the frame r.h. rear cross-member.

The engine number is indented on the l.h. side of the cylinder block (Fig. 6).

* Some automobiles could be equipped with the driving axles with the hub drive (Fig. 4)

9

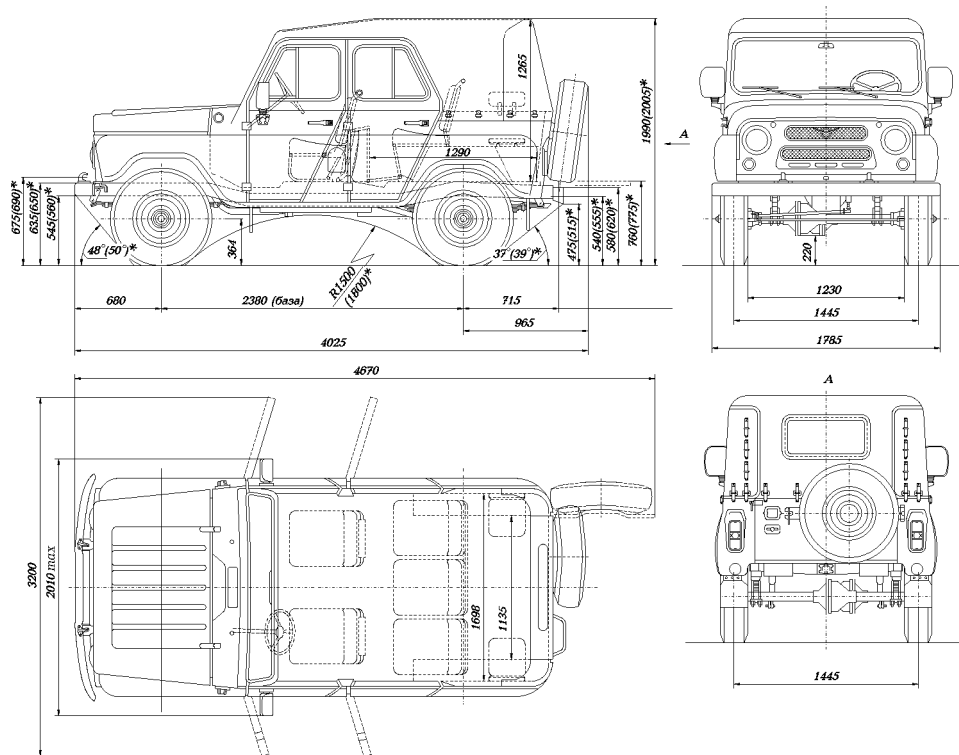


Fig. 1. Overall Dimensions of Automobiles YA3-31512 and YA3-31519 (Dimensions are given for reference)

* For automobiles with front spring suspension

Note. Dimensions of automobiles provided with axles with hub drive see in Fig. 4

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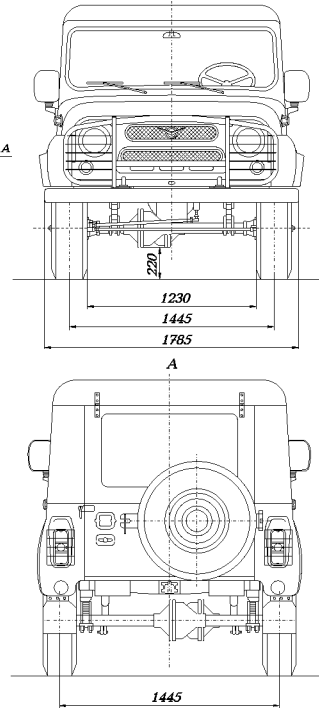
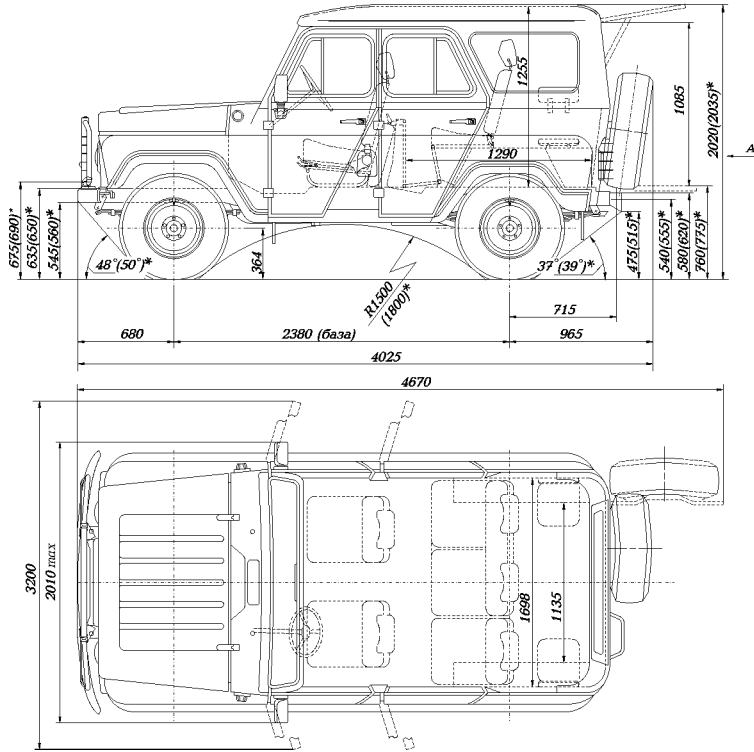
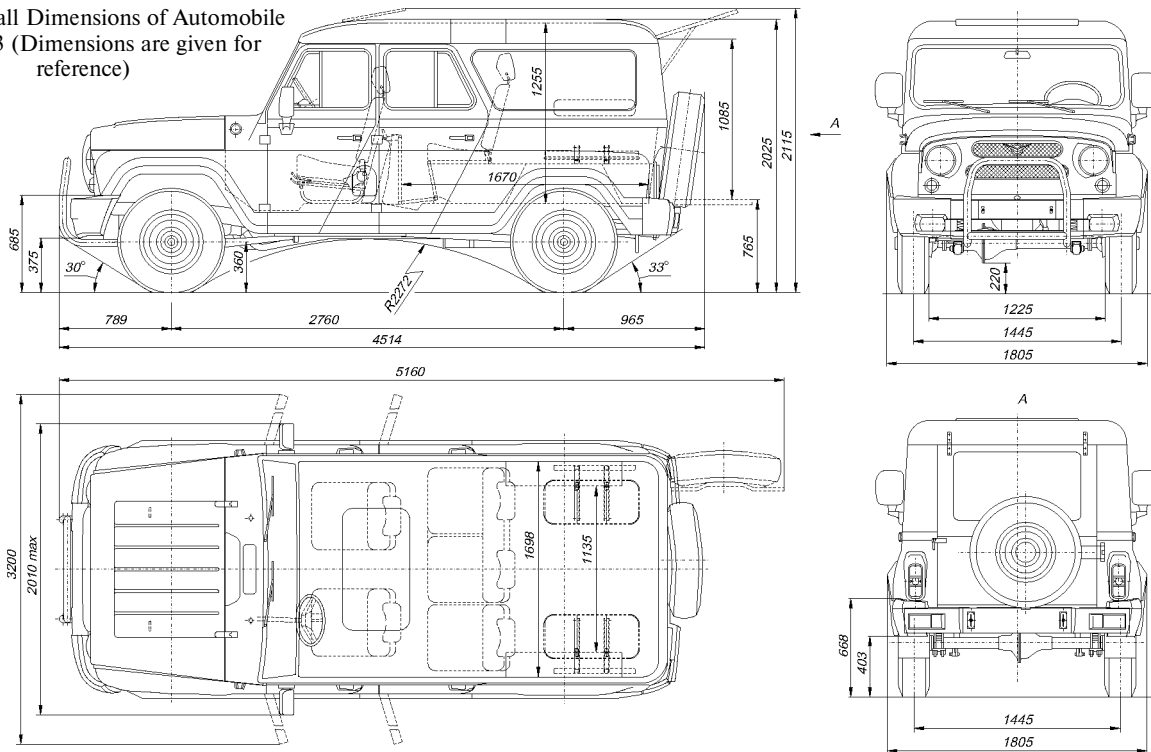


Fig. 2. Overall Dimensions of Automobile YA3-31514 and YA3-31519 (Dimensions are given for reference)

* For automobiles with front spring suspension

Note. Dimensions of automobiles provided with axles with hub drive see in Fig. 4

Fig. 3. Overall Dimensions of Automobile
 YA3-3153 (Dimensions are given for
 reference)



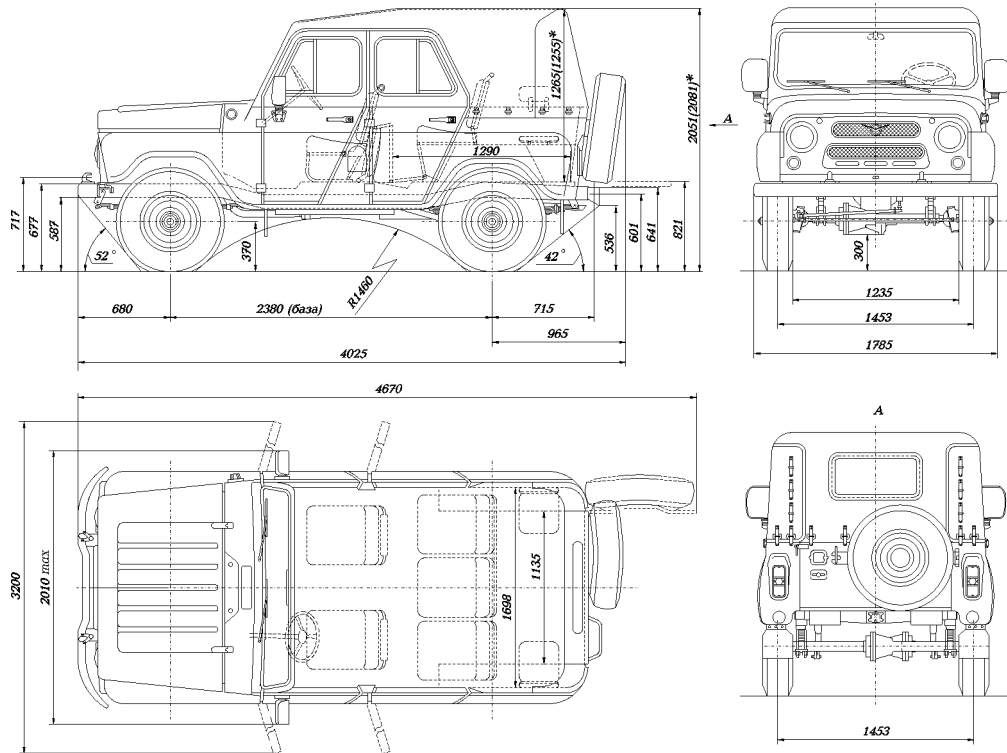


Fig. 4. Overall Dimensions of Automobiles YA3-31512, YA3-31514, YA3-31519 provided with axles with hub drives (dimensions are given for reference)

* For automobiles with hard top

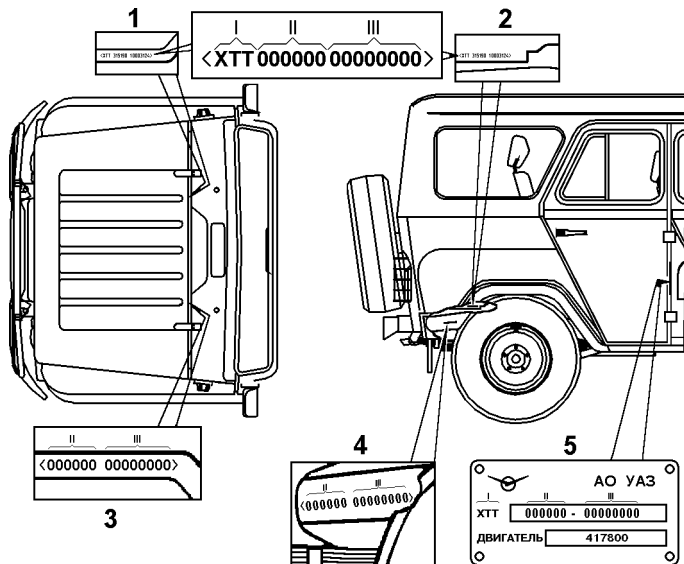


Fig. 5. Automobile Marking:

1, 2 - identity numbers; 3 - body number; 4 - chassis number; 5 - name plate "Identification Data";

I - international code of manufacturer;

II - descriptive part (automobile model, make);

III - indicating part (year of automobile manufacture and ordinal number)

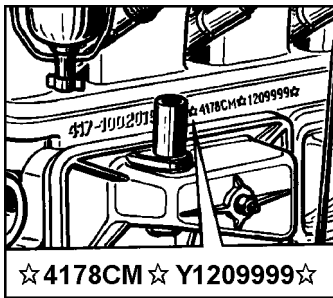


Fig. 6. Location of Engine Number

SPECIFICATIONS

Description	Automobile Models			
	YA3-31512	YA3-31514	YA3-31519	YA3-3153
1	2	3	4	5

GENERAL DATA

Overall dimensions of automobiles are given in Fig. 1-4

Automobile type	two-axle all-wheel drive crosscountry vehicle (4x4 wheel arrangement)			
Seating capacity	7			9
Load capacity (driver and passengers included, kg)	750 - when riding on improved roads 550 - other roads and country roads			800
Gross weight, kg:				
with soft top	2350	-	2350	-
with hard top	-	2500	2500	2600
Gross weight distribution, kg:				
front axle:				
with soft top	965	-	965	-
with hard top	-	1000	1000	1080
rear axle:				
with soft top	1385	-	1385	-
with hard top	-	1500	1500	1520
Vehicle total weight, kg:				
with soft top	1600	-	1600	-
with hard top	-	1750	1750	1800
Vehicle total weight distribution:				
front axle :				
with soft top	880	-	880	-
with hard top	-	950	950	930
rear axle:				
with soft top	720	-	720	-
with hard top	-	800	800	870
Maximum speed, km/h	110	110	120*	120
Permissible total tow weight, kg:				
with brakes	1500**			
without brakes	750**			

* Maximum speed should be not more 110 km/h when the tyres Я-245-1 are installed.

** To tow a trailer at all times and on rugged ground is allowed only when the automobile is equipped with a towing gear of the ball type.

1	2	3	4	5
Minimum turning radius by track of front outer wheel (relative to centre of turn), m, not more		6.3 (6.5*)		7.2
Outer turning radius by point of front bumper max. removed from centre of turn, m, not more		6.8 (7.0*)		7.6
Maximum upgrade of full laden automobile, deg.		31		
Maximum depth of ford, m				
without preparation		0.5		
with preparation		0.7		
ENGINE				
Model	4178			4218
Type	4-stroke, carburettor-type			
Cylinder number	four			
Cylinder order	in-line, vertical			
Firing order	1-2-4-3			
Cylinder bore, mm	92			100
Piston stroke, mm	92			92
Displacement, l	2.445			2.89
Compression ratio	7.0			7.0
Nominal power at crankshaft speed of 66 s ⁻¹ (4000 min ⁻¹) kW (hp)				
to DIN 70020	57.4 (78)			63.2 (86)
gross to SAEj 816b	68.4 (93)			73.5 (100)
net to ГOCT14846	55.9 (76)			61.8 (84)
Maximum gross torque at 36-42 s ⁻¹ (2200-2500 min ⁻¹) N · m (kgf · m):				
to DIN 70020	164.8 (16.8)			193 (19.7)
gross to SAEj 816b	174.6 (17.8)			201 (20.5)
net to ГOCT 14846	159.8 (16.3)			189 (19.3)
Minimum low idle speed of crankshaft, s ⁻¹ , (min ⁻¹)	11.6-12.5 (700-750)			
Engine lubrication system	Combination: forced and splash			
Crankcase ventilation	Closed			

* When the axle with hub drive is installed

1	2	3	4	5
Fuel system	With forced fuel feed and fuel-air mixture heating			
Fuel	Gasoline with octane number 76			
Cooling system	Liquid, closed, forced circulation			
POWER TRAIN				
Clutch:	Dry, single-disk			
Type of clutch	Hydraulic			
Type of drive	Four-speed			
Gearbox	1st speed....3.78 3rd speed ... 1.55			
gear ratios	2nd speed...2.60		4th speed.....1.00	
	Reverse.....4.12			
Optional version of gearbox:	1st speed...4.124 3rd speed1.58			
gear ratios	2nd speed...2.641		4th speed.....1.00	
	Reverse.....5.224			
Transfer box	Two-range			
gear ratios:	1.00			
high range	1.94 or 1.47			
low range				
Front and rear driving axles	Final drive - spiral bevel gearing; gear ratio 4.625*			
front axle steering knuckle joints	Constant-velocity universal joints of ball type			
CHASSIS				
Suspension:	on four longitudinal semielliptic springs **			front -
type				spring
				with
				transverse
				stabilizer;
				rear - on
				small-leaf
				springs

* The automobiles YA3-31512, YA3-31514, YA3-31519 could be equipped with Π-shape axles with hub drive:

Hub drive:	gear, spur internal gears
Gear ratio of hub drive	1.94
Gear ratio of final drive	2.77
Total gear ratio	5.38

** Some models of automobiles YA3-31512, YA3-31514 and YA3-31519 are equipped with front spring suspension with transverse stabilizer and rear small-leaf springs.

1	2	3	4	5
Wheels and tyres: wheels	Steel, with deep-well one-piece rim, size 6L×15 or 6J×16 depending on tyres in use			
tyres	Tubed 225R16C (K-151 or K-152), 225/75R16 108Q (K-153), 225/75R16 (Я-435A)			
Tube size	215/90-15C (Я-245-1), 215/90R15C 99N (ЯИ-357A) - 8,40-15 or 225-16 depending on tyres in use			
CONTROL SYSTEMS				
Steering arrangement: type of steering mechanism	hourglass worm	Safe, steering shaft - split, with cardan joint		
	with two comb roller*	Screw-ball nut-sector with or without hydraulic steering booster or without steering booster		
mean gear ratio of steering mechanism	20.3	with hydraulic steering booster.....17.3 without hydraulic steering booster.....20.5		
Brakes: Service	Shoe, with two separate circuits actuated from two-chamber master cylinder			
parking	Drum with inner shoes acting on power train, with mechanical drive			
ELECTRICAL EQUIPMENT				
Wiring	Single-wire, with ground returned minus			
Rated voltage, V	12			
Overload breakers: fuse	Unit, provided with three fuses 10A each in circuits of horn, warning lights and instruments Fuse in circuit of cigarette lighter, 16A Fuse in circuit of heater motor, 6A			

* Some automobiles YA3-31512 could be equipped with steering mechanism of type "screw-ball nut-sector" with or without hydraulic steering booster

1	2	3	4	5
thermal cut-out	Pushbutton - in lighting circuit			
	ADJUSTMENT DATA			
Valve-to-rocker clearance on cold engine (at 15-20 °C), mm: for exhaust valves of No.1 and No. 4 cylinders for the rest of valves		0.30-0.35 0.35-0.40		
Deflection of fan and hydraulic steering booster belts when: force of 4 kgf is applied, mm		8-14		
Cooling fluid density at 20 °C, g/cm ³ : ОЖ-40 "Лена" ОЖ-65 "Лена"		1.075-1.085 1.085-1.100		
Cooling fluid temperature in cooling system, °C		80-90		
Spark plug gap, mm		0.85 ^{+0.15}		
Free travel of clutch pedal, mm		35-55		
Free travel of brake pedal, mm		5-14		
Front wheel toe-in, mm		1.5-3.0		
Maximum turning angle of front inner wheel, deg		27		
Steering wheel play, deg, not more		10		

Tyre Inflation Pressure, kPA (kgf/cm²)

	Tyre Model		
	Я-245-1	ЯИ-357А	К-151, К-152, К-153, Я-435А
Front wheel:			
YA3-31512, YA3-31514			
YA3-31519	1.7 (1.7)	1.9 (1.9)	1.9 (1.9)
YA3-3153	-	-	2.0 (2.0)
Rear wheel:			
YA3-31512, YA3-31519 with soft top	2.2 (2.2)	2.4 (2.4)	2.4 (2.4)
YA3-31514, YA3-31519 with hard top	2.5 (2.5)	2.6 (2.6)	2,6 (2,6)
YA3-3153	-	-	2,6 (2,6)

FILLING CAPACITIES, l

Description	Automobile Models			
	YA3-31512	YA3-31514	YA3-31519	YA3-3153
Fuel tanks:				
r.h.			39	
l.h.			39	
Engine cooling system (heater and expansion tank including)			12.5-12.7	
Engine lubrication system			5.8	
Gearbox			1.0	
Transfer box			0.7	
Final drive casing (each)			0.85	
Steering gear case	0.25		0.5 (1.1)*	
Shock absorbers (each)			0.320	
Hydraulic actuated brake system			0.52	
Clutch hydraulic system			0.18	
Windshield washer reservoir			2	

CONTROLS AND INSTRUMENTS

Arrangement of the controls and instruments is illustrated in Fig. 7:

- 1 - steering wheel.
- 2 - rear view mirror (internal).
- 3 - instrument panel.
- 4 - sun visors.
- 5 - windshield wiper blades.
- 6 - windshield demisting nozzle.
- 7 - passenger grab handle.
- 8 - light (mounted on automobile YA3-31512).
- 9 - ground switch .
- 10 - front driving axle control lever: the forward lever position - the front axle is engaged (Fig. 8).

* For steering mechanism with hydraulic steering booster

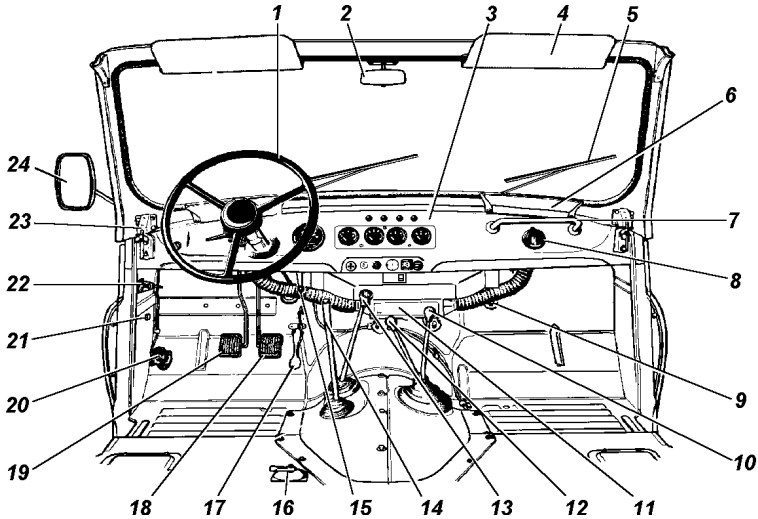


Fig. 7. Controls and Instruments (for Ref. Nos. refer to text)

11 - heater box cover: when the cover is open the hot air flows into the compartment.

12 - transfer box shift lever: the forward lever position - direct range - ON, the intermediate position - neutral, the backward position - low range ON.

13 - gearshift lever: directions for moving the lever for shifting in the gears are indicated on the handle of the gearshift lever and in Fig. 8.

14 - parking brake lever.

15 - heater and ventilator lid control handle.

Fig.8. Instruction Plate.
Positions of Transmission,
Transfer Case and Front Axle
Shift Levers:

1 - positions of shift levers; 2 - transmission; 3 - transfer case; 4 - speed ranges; 5 - high range; 6 - neutral; 7 - low range; 8 - front axle; 9 - engaged; 10 - disengaged; 11 - when driving on dry hard-surface roads, do not fail to disengage the front axle



16 - handle of fuel tank cock: turned to the right - the right-hand fuel tank is on; turned forward - the cock is closed; turned to the left - the left-hand fuel tank is on.

17 - accelerator pedal.

18 - service brake pedal.

19 - clutch pedal.

20 - foot-operated dimmer switch: by pressing the button, when the lights are on, the lower beam or upper beam will be on. (mounted on the automobile YA3-31512).

21 - receptacle

22 - radiator shutters control handle: the radiator shutters are closed when the handle is pulled out towards yourself.

23 - window frame lock.

24 - rear-view mirror (external).

The instrument panel is illustrated in Fig. 9, 10, 11, wherein:

1 - flasher warning system button switch.

2 - speedometer with trip odometer indicating the automobile speed in km/h, and trip odometer indicating the total run of automobile in km.

3 - fuel level gauge. Each tank is provided with a fuel level gauge.

4 - brake emergency condition warning lamp (red).

5 - parking brake warning lamp (red).

6 - turn indicator warning lamp (green).

7 - radiator cooling fluid emergency overheating warning lamp.

8 - upper beam warning lamp (blue).

9 - engine cooling fluid temperature gauge

10 - emergency oil pressure warning lamp.

11 - oil pressure gauge

12 - voltmeter indicating voltage in automobile mains

13* - cigarette lighter.

14 - light (on automobiles YA3-31514, YA3-31519, YA3-31513 dome light is mounted).

15 - dome light switch (dome light switch of automobiles YA3-31514, YA3-31519 is located near by the dome light).

* Installed on some automobiles

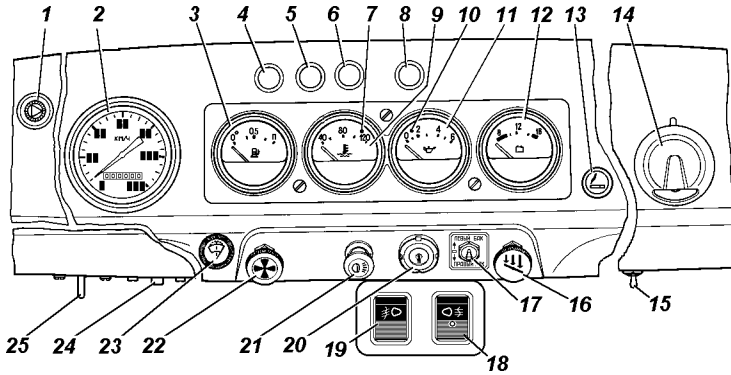


Fig. 9. Instrument Panel of Automobile YA3-31512 (for Ref. Nos. refer to text)

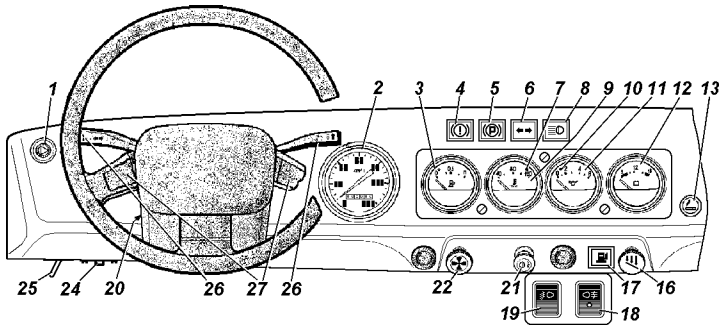


Fig. 10. Instrument Panel of Automobiles YA3-31514, YA3-31519 (for Ref. Nos. refer to text)

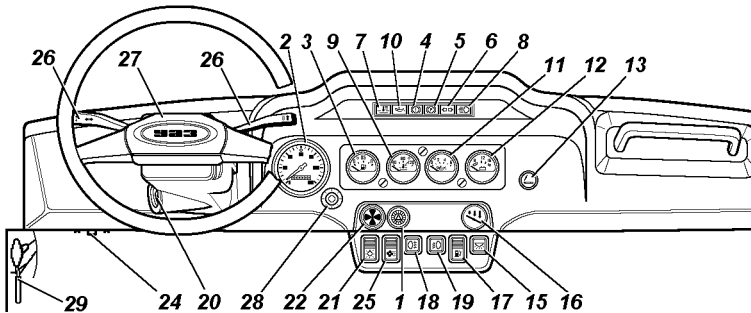


Fig. 11. Instrument Panel of Automobile YA3-3153 (for Ref. Nos. refer to text)

16 - throttle valve control knob. The knob can be fixed by turning it through 90° in any direction.

17 - selector switch of fuel level gauges.

18 - rear fog switch.

19* - fog lamps switch.

20 - combined ignition and starter switch (see Fig. 12 and 13).
The ignition key should be removed only when it is in the position III, thereby the interlock device mechanism engages and locks the steering gear shaft.

To lock the steering gear when parking, put the key in the position III, take it out and rotate the steering wheel in any direction till click is heard; this means that the lug of the interlock device is in register with the recess of the stop-bush of the steering wheel shaft. To unlock the steering gear, insert the key into the ignition switch, and by turning the steering wheel to the left and to the right, turn the key clockwise to the position I.

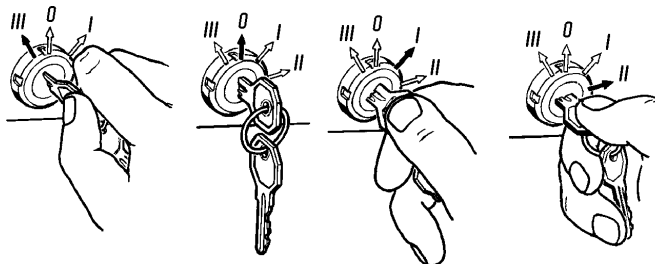


Fig. 12. Position of Ignition Key of Automobile YA3-31512:

- 0 -neutral;
- I -ignition ON;
- II -ignition and starter ON;
- III -radio ON (if available)

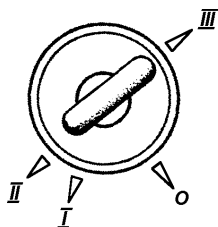


Fig. 13. Position of Ignition Key of Automobiles YA3-31514, YA3-31519, YA3-3153:

- 0 -all OFF (fixed position);
- I -ignition ON (fixed position);
- II -starter ON (non-fixed position);
- III -parking (fixed position)

* Installed on some automobiles

An interlock device provided in the ignition switch eliminates the starter faulty switching at operating engine and permits to restart the engine only when the key has been returned to the position 0.

It is not allowed to switch the ignition and remove the key out of the ignition switch during motion. The engine stop furthers the loss of the braking effect, and when the ignition key is removed out, the steering gear shaft is locked by means of the antitheft device, and the automobile could be not steered.

21 - outer light switch (Fig. 9, 10, 11) has three positions: the first - all lights are OFF; the second - clearance lights are ON; the third - clearance lights and lower or upper beam are ON (depending upon knob position). On automobiles YA3-31512, YA3-31514, YA3-31519, intensity of instrument panel lighting is adjusted by rotating the light switch knob.

22 - choke valve control knob. The knob can be fixed by turning it through 90° in any direction.

23 - windshield wiper and washer selector switch (installed on the automobile YA3-31512). The windshield wiper is switched on by rotating the switch knob and the windshield washer is switched on by depressing the knob axially.

24 - pushbutton of lighting circuit thermal cut-out.

25 - heater fan electric motor selector switch has three positions: OFF, fan motor low speed ON, fan motor high speed ON.

26 - multifunctional switches levers (for Ref. Nos. refer to Fig. 14). The turn indicator switch is mounted on the automobile YA3-31512.

27 - horn buttons

28 - instrument lighting switch. When outer lighting is on, instrument panel lighting could be switched on and its intensity could be adjusted by rotating the knob.

29 - hood lock lever

Seats

The front seats of the automobile YA3-31512 (Fig. 15) are interchangeable, each seat is attached to the floor with three bolts and be set into one of three positions. Seat backs of the front seats may be set in one of two possible positions. (Avoid setting the seats and seat backs in the extreme rearward position, as it would hinder to fold the triple seat).

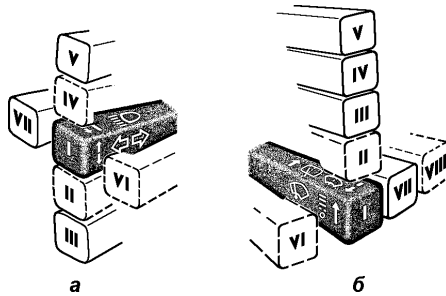


Fig. 14. Multifunctional Switches Located under Steering Wheel of Automobiles YA3-31514, YA3-31519, YA3-3153:

a - turn indicator and headlamp handle has the following positions:

I - turn indicators are off; low beam is on if the headlamps are switched on by means of the outer light switch;

II - l.h. turn indicators are on (non-fixed position);

III - l.h. turn indicators are on (fixed position);

IV - r.h. turn indicators are on (non-fixed position);

V - r.h. turn indicators are on (fixed position);

VI (to himself) - upper beam is on independent upon the position of main light switch (non-fixed position);

VII (from himself) - upper beam is on, if headlamps are switched on by means of main light switch (fixed position).

b - windshield wiper and washer switch handle has the following positions:

I - windshield wiper and washer are switched on;

II - windshield wiper operates in intermittent mode (non-fixed position);

III - windshield wiper operates in intermittent mode (fixed position);

IV - windshield wiper operates in constant mode (slow speed) (fixed position);

V - windshield wiper operates in constant mode (high speed) (fixed position);

VI (to himself) - windshield wiper and washer are switched on (non-fixed position);

VII, VIII - not in use

The automobiles YA3-31514, YA3-31519, YA3-3153 and some automobiles YA3-31512 are equipped with the front seats with the height-adjustable headrests (Fig. 16). To adjust the seats in longitudinal direction, turn down the lever 1, move the seat and lower the lever. The backrest is adjusted by rotating the knob 2. As a version, the seat could be provided with a waist support mechanism which permits to choose the most comfortable position of the seat. The seat could be adjusted by rotating the knob 3.

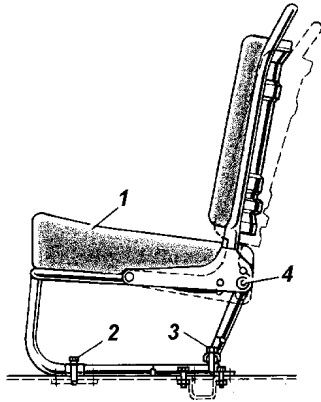
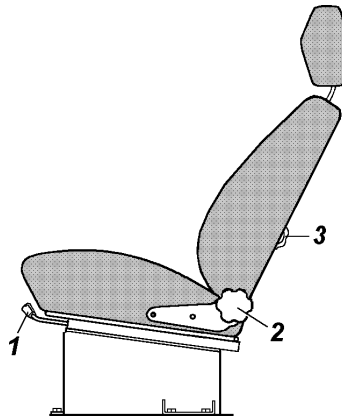


Fig. 15. Front Seats of Automobiles
YA3-31512

1 -seat; 2 -front attachment bolt; 3 -rear attachment bolt; 4 -seat back attachment bolt for tilt adjustment

Fig. 16. Front Seat of Automobiles
YA3-31514, YA3-31519, YA3-3153:
1 -seat longitudinal movement adjusting lever; 2 -seat back tilt adjusting knob; 3 -waist support adjusting knob



The rear triple seat (Fig. 17) is of a folding type and has two separate seat backs (on the automobiles YA3-31514, YA3-31519, YA3-3153 the seats are provided with headrests). To fold the triple seat:

- remove the headrests;
- unfasten the safety belt attachment of the rear seat (refer to the section "Safety Belts" below);
- release the back locks by pulling the handle 8 of the lock, tilt the backs to the seat cushions and fasten them in this position;
- turn the seat on pivots of the seat legs and hinge it out forward (unscrew the fly nuts 10 (Fig. 17a) and unfasten the seat locks by pulling the lever 9 on automobiles YA3-3153). Such a position makes it possible to enlarge the cargo area of the body.

The rear single seats (Fig. 18) are provided with a separate back and cushion. The back is secured unmovable to the body side panels, the cushion may be hinged out upward and secured by straps. In the service position the single seat cushion are fixed by pins in rubber sockets. The automobiles YA3-3153 are equipped with the side double seats.

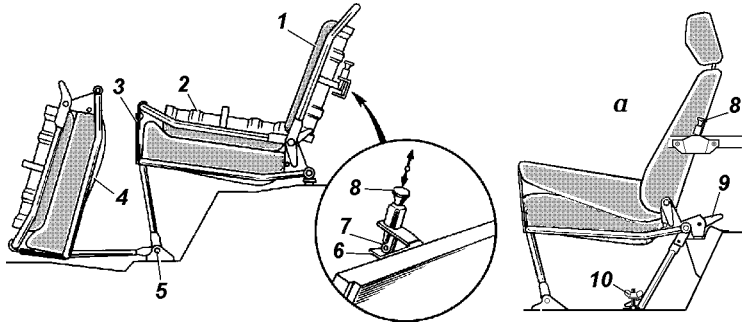


Fig. 17. Triple Seat:

a -seat of automobile YA3-3153;

1 -seat back in service position; 2 - seat back in folded position; 3 -belt to fasten seat back to cushion; 4 -seat in reclined position; 5 -seat frame leg pivot; 6 -side lock bracket; 7 -buffer; 8 -lock handle; 9 -seat lock handle; 10 -fly nut

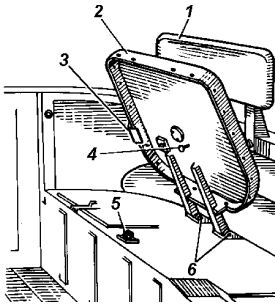


Fig. 18. Side Single Seat:

1 -seat back; 2 -belt to fasten cushion ; 3 -seat cushion; 4 -pin to lock cushion in service position; 5 -cushion pin seat; 6 -cushion attachment pivots

Some automobiles could be equipped with the longitudinal semihard seats instead of the triple seat and two rear single seats.

Safety Belts

The automobile is equipped with safety belts for all seats, except for the rear side seats .

The safety belts of the front seats and the side safety belts of the rear seat are diagonal lap belts provided with a length manual adjuster (on the automobile YA3-3153 are fitted diagonal lap belts with an automatic retractor), the middle safety belt of the rear seat is the lap belt provided with a length manual adjuster.

To fasten the belt, pull the tongue 1 (Fig. 19) and insert it into the lock 2 till click is heard. To unfasten the belt, push the button 3.

When adjusting length of the belt without retractor, the palm should pass freely between the chest and the diagonal belt, and the waist belt should fit closely to the hips.

When adjusting length of the rear seat middle belt, the belt should fit closely to the hips.

Do not fasten a child sitting on the knees of a passenger.

The belts could be washed with suds. Do not iron the belts.

Replace the shabby and damaged belts and the belts after emergency loading as a result of an accident.

When folding the rear seat of the automobiles YA3-31512, YA3-31514, YA3-31519, unfasten the locks 4 (Fig. 19 "a") and pull the belts. The rear seat belts are provided with a body floor instant-release attachment (Fig. 19 "6"). To unfasten the belt, turn its tongue through 90° and take it from the bracket slot.

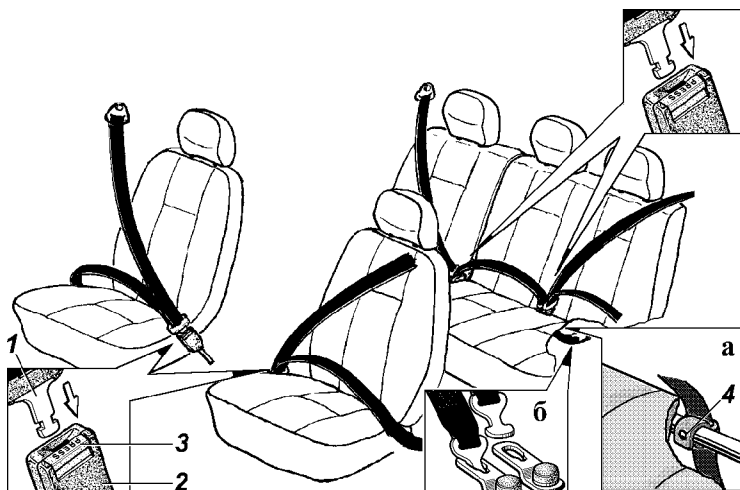


Fig. 19. Safety Belts of Automobiles:
a - for YA3-31512, YA3-31514, YA3-31519; 6 - for YA3-3153;
1 -tongue; 2 -lock; 3 -lock button; 4 -button