



Home > Torkemose > Chassis UAZ Buanka Repair. Front and rear suspension of cargo-passenger uaz wagon layout, springs and shock absorbers. Platform for conveyor models

TORKEMOSE

# Chassis UAZ Buanka Repair. Front and rear suspension of cargo-passenger uaz wagon layout, springs and shock absorbers. Platform for conveyor models

Any motorist can perform repairs [front Bridge](#) UAZ Buanka and UAZ 469 do it yourself. This work is simple. Structurally both of these models are similar. This is especially true of the suspension. [Frame design](#) It implies ease of dismantling the front axle and high reliability of the car. There are some differences in the spring and spring suspension. But these features do not greatly affect the complexity of work.

For repair, there will be almost no special tools. All work is made by the minimum set of tools available for each driver.

## Regular work

Repair of the Front Bridge UAZ Buanka and UAZ 469 with their own hands is easy. Most often, during operation, it is necessary to produce various preventive work. As a rule, they do not require the removal of the bridge. The list of care activities includes:

- Skvorni are checked for gaps;
- Threaded connections should be periodically tightened;
- The convergence is checked;
- The prescriptions of the details lubrication tables are performed.

Be sure to visually inspect the main nodes. [Special attention](#) Fastening bolts are given. All strooping elements should also be securely strengthened. Check the angle of maximum rotation of the wheels. It should not exceed 28 degrees. In terms of indicators different from the specified, you need to adjust. Also always check the correctness of the tightening and the functioning of the pivot. The late elimination of minor faults can lead to the need to overhaul the front axle.



## Removal

Repair of this node begins with dismantling the bridge. On loaf and "goat", these works are identical. There are only small differences. When performing repair actions, you need to be extremely neat. The removal of the bridge is a series of simple actions:

- It should be started with ensuring the fixedness of the car. For this purpose, anti-dig brake pads are established;
- Next on the "goat" disconnect [brake tubes](#) from hoses. On the loaf of the tube have transitional pipes. AT [this case](#) Shutters from nozzles are turned off;
- Remove nuts that are fastening the lower cups of shock absorbers. This element on both machines is the same.
- Next, unscrew the bolts connecting the flange of the lead gear and front cardan. Before this you need to pour a threaded connection;
- Remove cravings from the tower. A nut is twisted on a ball finger;
- Twist nuts, which are attached by the Sprinkle Springs. Disassemble them with overlays;
- Before the car jacks for the frame, the bridge roll out.

Some UAZ 469 cars are equipped with springs. In this case, the penultimate item will look a little different. The penultimate action is removed by the stabilizer [transverse stability](#), by disconnecting the suspension levers located along the longitudinal. Levers and transverse thrust are unscrewed from the bracket.



## Parse

When repairing the repair, it is necessary to set a node to the stand. This will make it easier for the disassembly task. After that, they remove the wheels. Next proceed to the disassembly:

- Remove the tower. A nut jars, fastening the finger of thrust and lever of the swivel fist;
- Next unscrew the bolts fixing [brake drums](#). At the same time removed the coupling used for the wheel shutdown;
- Go to the disassembly of the hub. Start this work with straightening edges locking washers. Next, the nut with a locknut is twisted, it allows you to remove the washer immediately with the inner ring and roller bearings of the hub. After the rest of the hub is removed (see Article "");
- Remove the brake shield, this is done with the bolt twisting. It is necessary to remove the trough with a fist hinges;
- A steering trapezium crashes, it will be necessary to unscrew the nuts of the trapezoid fastening;
- To remove the ball support, the bolts of its attachment to the semi-axis are spinning. Remove restricter supports. Produce reasons for support;
- Remove gaskets used for adjustment from a fist and lever. Next, unscrew the nuts that are fastening the upper pads of the pokvorn. Also come from the bottom. Remove ballproof gland. After sculpting a pivot. Disassembly completed.



**Repairs.** After disassembly, all parts are washed in gasoline and lubricated. Faulty replace new. The assembly occurs with accuracy to the opposite, while you need to clarify some nuances of the process.

Replacing the pivot sleeves specifically in the ball support, it is necessary to tighten them up to 25 mm at the end of the press. It is necessary to put inside the lubricant. Repair of the front axle UAZ Buanka and UAZ 469 do it yourself not so complicated, but needs accuracy. For example, installing a bowl of the ball, the ring for it is necessarily soaked with hot oil. After assembly, the performance of the bridge is checked with the stand.

Details: Repair of the running UAZ loaf do it yourself from the present wizard for the site site.

Any motorist can repair the front bridge UAZ Buanka and UAZ 469 do it yourself. This work is simple. Structurally both of these models are similar. This is especially true of the suspension. Frame design implies ease of dismantling of the front bridge and high reliability of the car. There are some differences in the spring and spring suspension. But these features do not greatly affect the complexity of work.

For repair, there will be almost no special tools. All work is made by the minimum set of tools available for each driver.

**Repair of the front bridge UAZ Buanka and UAZ 469 do it yourself** Nested. Most often, during operation, it is necessary to produce various preventive work. As a rule, they do not require the removal of the bridge. The list of care activities includes:

- Skvorni are checked for gaps;
- Threaded connections should be periodically tightened;
- The convergence is checked;
- The prescriptions of the details lubrication tables are performed.

Be sure to visually inspect the main nodes. Special attention is paid to the health of fastening bolts. All strooping elements should also be securely strengthened. Check the angle of maximum rotation of the wheels. It should not exceed 28 degrees. In terms of indicators different from the specified, you need to adjust. Also always check the correctness of the tightening and the functioning of the pivot. The late elimination of minor faults can lead to the need to overhaul the front axle.

Repair of this node begins with dismantling the bridge. On loaf and "goat", these works are identical. There are only small differences. When performing repair actions, you need to be extremely neat. The removal of the bridge is a series of simple actions:

- It should be started with ensuring the fixedness of the car. For this purpose, anti-dig brake pads are established;
- Next, the brake tubes from hoses are disconnected on the "goat". On the loaf of the tube have transitional pipes. In this case, the hoses from the nozzles are turned off;
- Remove nuts that are fastening the lower cups of shock absorbers. This element on both machines is the same.
- Next, unscrew the bolts connecting the flange of the lead gear and front cardan. Before this you need to pour the WD-40 threaded connection;
- Remove cravings from the tower. A nut is twisted on a ball finger;
- Twist nuts, which are attached by the Sprinkle Springs. Disassemble them with overlays;
- Before the car jacks for the frame, the bridge roll out.

Some UAZ 469 cars are equipped with springs. In this case, the penultimate item will look a little different. The penultimate action is removed by the transverse stability stabilizer, by disconnecting the suspension levers located along the longitudinal. Levers and transverse thrust are unscrewed from the bracket.

**Repairs.** After disassembly, all parts are washed in gasoline and lubricated. Faulty replace new. The assembly occurs with accuracy to the opposite, while you need to clarify some nuances of the process.

Replacing the pivot sleeves specifically in the ball support, it is necessary to tighten them up to 25 mm at the end of the press. It is necessary to put inside the lubricant. Repair of the front axle

UAZ Buanka and UAZ 469 do it yourself not so complicated, but needs accuracy. For example, installing a bowl of the ball, the ring for it is necessarily soaked with hot oil. After assembly, the performance of the bridge is checked with the stand.

UAZ 452 "Bukaka" is a rather reliable Soviet all-wheel drive SUV. The main breakdowns of this car are associated with leaks of lubricating liquids from the engine, gearbox (gearbox), front and rear axles, hinges of equal angular velocities (Solus) and hubs. The main reason for the formation of such leaks is that the material from which the original glands and gaskets of the above aggregates are partially extended under the influence of modern lubricants. Due to bad lubrication, moving metal parts are very wearing and they have to be replaced periodically. It is necessary at least once a year to carry out preventive repair of UAZ 452, change the flowing glands and gaskets, as well as adjust the clutch.

The problem is that it is quite difficult to find the factory repair guide to the repair of these SUVs. Therefore, we offer you instructions that will allow you to repair the car yourself.

As you know, repair the engine of the car begins with its dismantling. And then there is a disassembly, replacement [damaged parts](#) and assembly. The overhaul of the power unit is not easy, so it is not necessary to exercise it yourself without the help of experienced masters. But you can change the glands yourself.

In the factory repair manual UAZ 452 indicated: To remove [force aggregate](#), It is necessary to raise it up from the engine compartment. With such a way of dismantling, you will need 2 strong pipes (longer cabin width) and 2 people help.

All, the power unit is removed.

Check whether [overhaul](#) Engine, easy: You need to attach a hand to an open oil-based neck of the working motor. If the palm pushes, it means that disassembly required.

Quite often in uz 452 cars is not adjusted [free move](#) Clutch pedals. This leads to increased wear of the slave disk and the need for its early replacement. Adjusting the clutch of the car UAZ 452 is quite simple.

Construction of clutch drive.

1. Clutch shutdown pedal.
2. Brake pedal.
3. Springs.
4. Maslenka.
5. Purpose bearing.
6. Coupling.
7. Spring coupling.
8. Lever arm.
9. Adjusting bolt.
10. Fork.
11. Pusher.
12. Spring fork.
13. Traction.
14. Press oil.

### Adjustment of clutch pedal

The factory repair manual UAZ wagon layout sets the following node parameters:

- the gap between the pressure bearing and the heads of the levers - 2.5 mm;
- the free course of the pedal is 28-35 mm;
- the full course of the pedal is 145-155 mm.

Adjusting the clutch is as follows.

1. We measure the free and complete stroke of the clutch pedal.
2. Remove the springs of pedals and clutch plugs.
3. Weaken the pusher nut.
4. Unscrew or twist the thrust the pusher before reaching the recommended parameters.
5. Tighten the pusher nut.
6. We wear springs back.

After that, check the consolidated and complete pedal. If they correspond to the recommended parameters, we start the engine and in motion check the clutch operation. If it does not lead and does not raise, the clutch adjustment is complete. If something bothers, we repeat the procedure before getting the desired result.

The domestic spring UAZ is practically universal for the "Patriot" models, Hunter and Pickup, as well as their modifications. Elements are distinguished by the number of sheets affecting the vehicle's carrying capacity, as well as the difference in [geometric sizes](#). In this regard, the four-layer elements from the "Picap" and "Cargo" are quite realistic to establish on the "patriot" and "Hunter". An increase in load capacity will be about two hundred kilograms. Consider the features of regular and modified parts.

## Models with front suspension spring type

Spring UAZ of this type is produced by a metallurgical plant in Chusov. **Distinctive feature** The element of the production of the CHMZ is the presence of stickers and stamps on a tightening clamp. The name of the manufacturer's factory is derived here, the detail production date, as well as the stigma of the OTD.

In addition, each spring is marked with a label, because the stamp seems not always convenient. Additional information: barcode, springs, standard GOST.

### Model 31512-2912012.

This Spring UAZ is a rear miner part, which is mounted on the model 31512, 31514-10, 3160. The element is also suitable for "patriots" and "hanter", as well as their modifications.

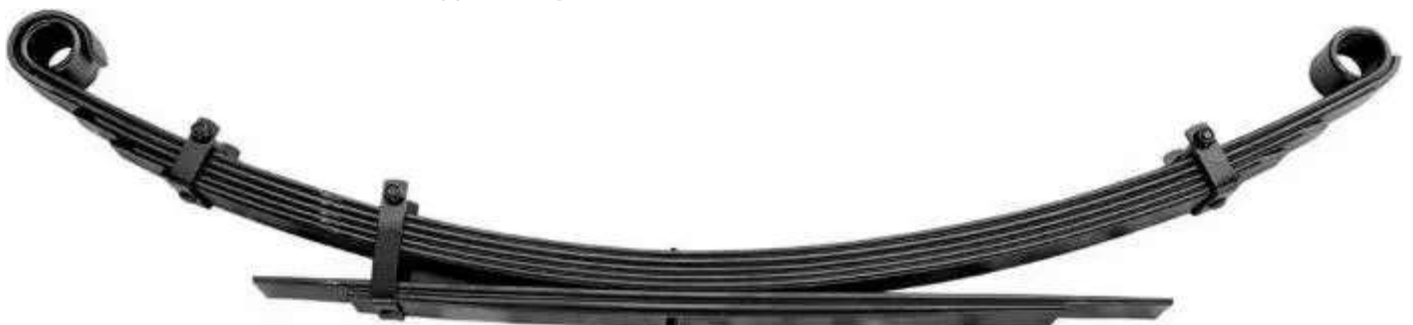
The distinctive features of the node under consideration:

- The weight of the node assembly is 16.5 kilograms.
- The length of the element is 1.35 m.
- The number of sheets is three pieces.
- Package height - 37.2 mm.
- Material brand - 50x-gf steel.

### Staten Spring UAZ Type 3163-2912010-02

This regular small-scale element has the following characteristics:

- Weight parts assembly - 17.3 kg.
- Length is total - 1.42 meters.
- Package height - 37.2 mm.
- The number of sheets is three pieces.
- Production material - steel type 50xgf.



The springs under consideration of the UAZ "Patriot" are also suitable for model 315148, 315143, 315196, "Hunter", "Simbir" and "Cargo." From the analog 315112-2912012, the detail is



characterized by a length and tightening clamp, as well as the presence of gaskets between sheets.

## Four hundred 3153-2912010

The rear small springs of this type is mounted on under the index: 3153, 3159, 3162. The item can be used on models 315148, 315143, "Hunter", "Patriot", 3163, 2362, "Cargo". The modification under consideration is very popular among car owners from Ulyanovsk manufacturers.

Below are its main parameters:

- The weight of the element assembly is 21.4 kg.
- Package height - 49.6 millimeters.
- The number of sheets is four pieces.
- Material of manufacture - steel grade 5-hgf.



## Modification 3162-2912010.

This spring UAZ is a standard item that is mounted on [rear axle](#) Almost all cars of this brand, including Patriot, Bars, Hunter and Kargo. On sale this spring is quite rare, therefore it does not use much popular among the owners.

### Features Details:

- Weight in the assembled state - 21.4 kg.
- Full / calculated part length - 1.42 / 1.35 m.
- Package in height - 49.6 mm.
- The number of sheets is four pieces.
- Production material - steel 50xgf.

## Version 2360-2912010.

These rear minor springs UAZ "Patriot" have the following characteristics:

- Weight element assembly - 22.3 kg.
- Load control, PK, DAN - 643.75.
- Full length / calculated - 1.41 / 1.35 m.
- Package height - 49.6 mm.
- Type steel - 50xgf.
- The number of sheets is four pieces.

In the standard layout, the detail under consideration is mounted on the model "Cargo", "Patriot", "Pickup", "Hunter", "Simbir" and some others. According to the reviews of the owners, this product does not use much popularity. Preferences Users give modifications from four sheets under the index 3153-2912010.

## Gain

Often the repair of UAZ and its tuning concerns shock absorbing devices. Old straight springs on the "Hanter" can be changed on an enhanced sixteen leaf analogue. As practice shows, the regular elements of this node are not distinguished by high quality steel, quickly deform and crack. Consequently, the upgrade of the block is inferious.



After installing reinforced springs, the machine will be much higher, the reserve of the stroke will increase. The car will be slightly tougher, which is not a significant disadvantage, as we consider the SUV. But [challenges](#) And the vehicle's passability will noticeably delight the owners of domestic jeeps. Further presented [step-by-step instruction](#) By installing new items.

## Fastening springs UAZ

Installation [reinforced springs](#) It is not too complicated. Works are performed in the following order:

- First, the back of the car rises, until the wheels begin to freeze. Be sure to install a safety beam or support.
- Then the wheel is removed.
- Installation is performed **additional support** under the bridge. It is quite suitable for this regular jack.
- Unscrew the stepladders and cups of the block.
- The shock-absorbing element from the lower fastening is dismantled.
- The bridge is lowered.
- Old spring is dismantled.
- Tides a new element.
- The bridge is lowered to the point optimal to install the new part.
- The element is placed in the bowls located on the frame, the hanging part is supported by a wooden bar, which will not allow to jump out the spring until the final installation.
- The prepared new node is mounted, fixed with stepladders, but not yet delayed until it stops.
- Bowls are displayed at the same installation site.
- The bridge rises, while the springs do not fall on the pillows.
- Frames the wheel.
- Screw the bottom cups.

On this repair of the UAZ, in terms of replacement, the spring can be considered ready. To install the item better than sat in its place, it is desirable to download the back of the car when you work. After the work, check the car in the case at low speed. If there is no discomfort and the screenshot, the modernization was carried out successfully.



## In conclusion

The details in question are responsible for the behavior of the car on [different types](#) Soils. Unfortunately, domestic standard Springs UAZ-469 do not distinguish high quality steel. Therefore, many owners resort to replacing this node on the enhanced option, because on ughab and potholes, the standard element is often burst and deformed. It is worth noting that most standard spriefs for Ulyanovsk SUVs are interchangeable, which facilitates the repair and maintenance of the machine.

## Options of Lifting UAZ Buanka

The owners of the loaf, starting tuning this car, first of all ask the question: "How to raise UAZ Bukaku?". We will try to answer this question in this article. So, first, consider the methods of the elevator of the UAZ. It can be:

- Body elevator UAZ
- Lift suspension loaf

Both options have both advantages and disadvantages. Thus, the Bucket Body Elevator is simpler in the implementation, and also stands out for a greater degree of security. This is explained by

the fact that this method of the elevator only dismisses the center of gravity of the car, which helps to ensure the sustainable behavior of the loaf of the turns and others [sophisticated areas](#) Runs.

If we talk about the lift of the suspension, then some danger due to the increase in the center of gravity here is present here. But at the same time this method significantly changes the rates of passability for the better.

## Choose a set for an elevator UAZ Buanka

As we see, there are several ways to raise loaf. Therefore, it will be necessary to determine which elevator of the UAZ Bucket set will be necessary, it can only be determined with the choice of elevator method. If you are planning to spend your lifting on your own, you can buy a set for an elevator in the store. Such kits are different in the composition of the parts of the parts and elements included in them.

So, the set for the lift of the loaf may contain:

- spacers "Spring - Rama";
- spacers "Spring - Rama"
- bolts;
- nuts, etc.



## Change wheel

As you know, the passability of the machine directly depends on the wheels. Considering the fact that the Wheels of UAZ shove in rather hard and not too large rubber sizes before proceeding directly to the elevator, it is necessary to mention wheels. In addition, the tread pattern on Buska's tires leaves much to be desired. All this suggests that it will not be superfluous to install on [legendary car](#) Suitable wheels of imported production.

As an option, when choosing new wheels for the UAZ UAZ car, you can use BF GOODRICH 33X10.5 R15 rubber, and, respectively, disks with a diameter of 15 centimeters. As for the choice of discs to them, it depends on the desire of the owner. These may be alloy or alloy wheels. And you can leave ordinary regular discs.



However, it is not worth stopping at this stage, because such tuning makes it difficult to control, because on steep turns, the front wheels cling the edges of the steering tag, and when the effect of crossing the wheel bridges are located directly on the arches. This causes friction tires about the wing. Therefore, the elevator of the body of the UAZ Buanka becomes an indispensable stage of tuning after installing the wheels.

How strange it seemed to be, Rama UAZ Buankka is attached to the body with the help of ten furniture bolts, six of which are located in the field of passenger seats, two behind the arches of the front wheels, and two more in the feet of the driver and passenger. Bottom bolts are fixed by second nuts.

Before proceeding to dismantling the bolts, you need to turn off the battery, disconnect the mass from the engine - behind the trap compartment and lift the car on the lift.



- Disconnect the wires from the starter;
- From below or from above, disconnect the fastening of the radiator;
- We will unschedule the drive of the transmission lever and the brake amplifier thrust;
- Drain all the cooling fluid and remove the hoses that are connected to the stoves of UAZ Buanka;
- Disconnect the brake pedal thrust to the vacuum amplifier;
- Disconnect the tube leading to the tank control crane.

***THE LAST ITEM MAY NOT SEEM SO IMPORTANT, BUT THE FAILURE TO COMPLY WITH IT CAN LEAD TO THE LOCKING PLATE UNDER THE FASTENING, AS A RESULT OF WHICH IT WILL HAVE TO ALIGN.***

Having spent the Lifting of UAZ Buankka with their own hands, be careful and careful because fasteners on such a car, as a rule, rusty and outdated. If the bolt is checked in the body, it cannot be kept. This creates additional difficulties in welding a nut or bolt to it.

***TO DO EVERYTHING CORRECTLY, YOU NEED TO KEEP ONE NUT WITH A KEY, TURNING INTO THE HEAD OF THE LOCKNUT, AND AFTER THAT THE MAIN NUT.***

Next, you should lower the car on the wheels, because under it work is no longer required. Also disconnect the steering column and dischams the boot on the floor. And you can proceed to the lifting body over the frame. Lifting must start with the back of the loaf. The height of the lift must eventually draw up about 10 centimeters.

***IT WILL BE NOT BAD TO INSHET, PUTTING A WIDE WOODEN TIMBER BETWEEN THE FRAME AND THE BODY.***

You unscrew the regular bolts and increase the holes for them to 12 mm by drilling. Next, you need to spend some work with spacers. Inexpensive I. [suitable option](#) As spacers are ordinary hockey washers. The following actions will be the insertion of spacers, bolts and hacking the nuts gradually, starting from the back of the body, continuing in the middle and finished in the front.

As a result, the body will rise by 6.5 centimeters. It remains only to fix everything and you can put big wheels.



## Pros and cons of the elevator suspension

Now consider the following way to spend the elevator UAZ Bukaka - lift suspension. As already mentioned, this method has both pros and cons. You can select two main pluses of the elevator suspension on UAZ:

- improving loyalty indicators of loaf, provided by the fact that the wheels remain in place, and the other part rises up;
- the ability to set big wheels, which the suspension elevator was not placed in the arches of the UAZ.

Well, the main disadvantage of such a method is the indispensable increase in corners [cardan Cross](#). At the same time, cardans are included in wear work.

There are several options to carry out the suspension lift. Consider some of them.

## Installation of longer gray springs

The simplest and most affordable option is to install a longer gray spring. By carrying out the suspension elevator in a similar way, it is not necessary to get involved in this so as not to establish too long. Too long stem earrings can negatively affect the work of the suspension and reflect on manageability. To avoid problems in manageability, it is recommended to pull the earrings in the center.



## Spring Spring

Not disturbing the design of the spring, there is an opportunity to slightly raise the suspension of the loaf by setting the spacer between the bridge and the springs. At the same time, the big elevator does not have to wait, it is also recommended not to get involved in the process.

Of course, when installing such a spacer, it is necessary to determine with its fixation at the installation site, and also calculate that the lengths of the sirry sprouts are enough. There is an opportunity to restore the old springs, or purchase new ones. There are also special elements for such tuning, but they are usually quite expensive.



Spring Spring is not so complicated as it may seem at first glance. This process is useful not only for the sake of the elevator suspension, as well as in order to make a hard suspension UAZ sufficiently soft. However, despite the fact that the improvement of the work of the suspension from this method is, they are very insignificant.

If you decide to try, it is originally necessary to cut, sharpen or buy spacers, rubber, conveyor belt and metal. And most importantly, during the elevator of the OAZ suspension, more long-time shock absorbers will be required, because the former will begin to begin before.



In conclusion, I would like to note that the main thing is to know the measure in everything. Holding for tuning UAZ 452 with your own hands, remember both your safety. After all, you will not have guarantees with my own fulfillment of the Lift of the Lift.

### Тюнинг рессор уаз 452



# Subtleties when starting the engine UAZ 469

## Starting a cold engine at a plus temperature

Running the engine at a plus temperature has its own characteristics. To begin, it is necessary to set the gear lever to the neutral position, pull out the control knob with the entire carburetor air damper approximately and immediately after that turn off the adhesion and turn the ignition. At the same time, the starter must be kept on to start the engine itself. But do not hold it so over five seconds. The intervals between the inclusion of the starter must be at least 10 seconds.

After the engine earned, you need to immediately release the ignition switch key. After that, we climb the air damper control knob to such a position that will provide the smaller engine of the engine shaft rotation. Now warm up the engine and gradually bleed the control knob to the air damper until it stops. It is worth noting that the temperature of the coolant already heated the motor you should beat at least 60 degrees.

Immediately pay attention to very important subtlety with such a warming. In no case, it is impossible during operation of the UAZ 469 for accelerated warming up the car at a high frequency of rotation [crankshaft](#) Engine

## Running a cold engine at temperatures up to minus 15 degrees

In this case, first will need to turn off the oil radiator. After that, close the blinds of this radiator and install a special insulating facing case for the radiator.

Next, you will need to turn the knob of the engine crankshaft. Turn it about four turns. After you need to pull the carburetor air damper handle to the maximum. Next, you need to perform the same actions as when starting the engine at a plus temperature.

## Running the cold engine at temperatures below minus 15 degrees

Immediately turn your attention to what you need to run [cold Engine](#) Only after preheating it with the preheater. But if suddenly at the time you start you will not [preheater](#) then you can simply shed hot water through the cooling system

If you are pre-warmed [hot water](#), it is necessary to fill it into the radiator. Do not forget to drain the water as it is cooled from the cooling system. This can be done through a special drain crane. Just remember that after the system you need to fill hot water again. Thus, warm up the entire system until the engine crankshaft does not start rotating. The rotation should be sufficiently easy with a well-tangible compression in the cylinders.

It is also recommended to warm the hot water and the intake pipeline, while it is necessary to pour the water neatly, thin jet, so that the heat can have time to pass the pipeline. After this, you need to turn the fan with your hand to eliminate the possible impeller of the pump in the cooling system. Next, everything needs to be done according to the same principle as described in the previous section about the engine start at temperatures up to minus 15 degrees.

## Running hot engine UAZ 469

Here, too, there is a couple of subtleties that you should always remember. When you start a hot engine, you do not need to cover the carburetor air damper. It is also not desirable to press sharply on the throttle control pedal, as this can lead to a re-enhancing combustible mixture and will not give you the opportunity to start the engine.

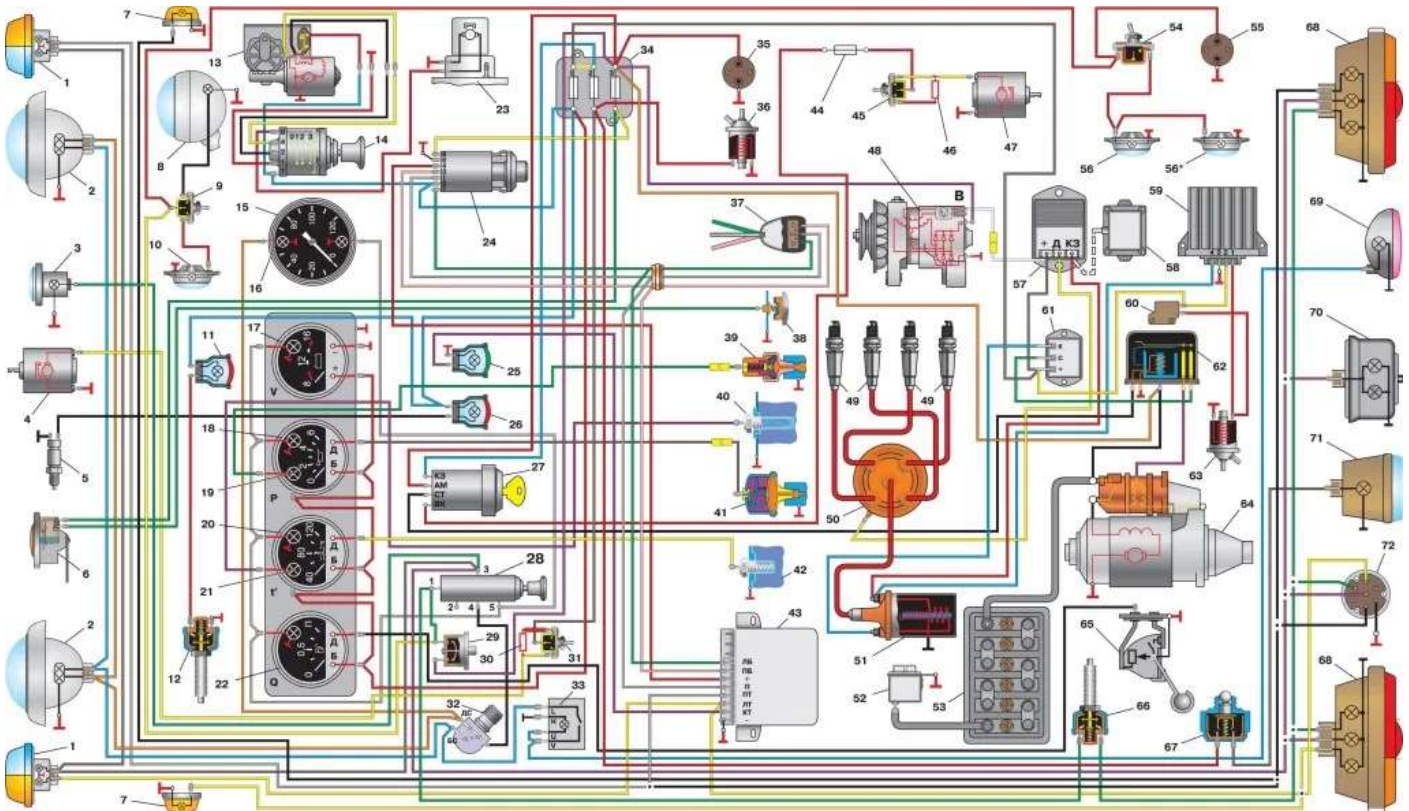
But if still [fuel mixture](#) It turned out to be re-engaged, then you need to blow all the cylinders with air. For this, smoothly click on the pedal [throttle valve](#) Carburetor to maximum. After very quickly, turn the starters of the crankshaft in the engine for a couple of revolutions.



## Platform for conveyor models

The famous "Buanka", thanks to its all-metal body, the model "452" served as a platform for creating a whole line of vehicles:

1. UAZ 2206 - minibus, designed for 11 people;
2. UAZ 3962 - emergency medical service car;
3. UAZ 396255 - Civilian modification of a sanitary car for the needs of rural areas;
4. UAZ 39099 - progresses under the name "farmer". Designed for 6 passengers and 450 kg of cargo;
5. UAZ 3741 - a car-van for transporting 2 passengers and 850 kg of cargo;
6. UAZ 3303 - on-board car with open type body;
7. UAZ 3904 - a cargo-passenger version that combines the convenience of a all-metal bodies for passengers and an open body for cargo.

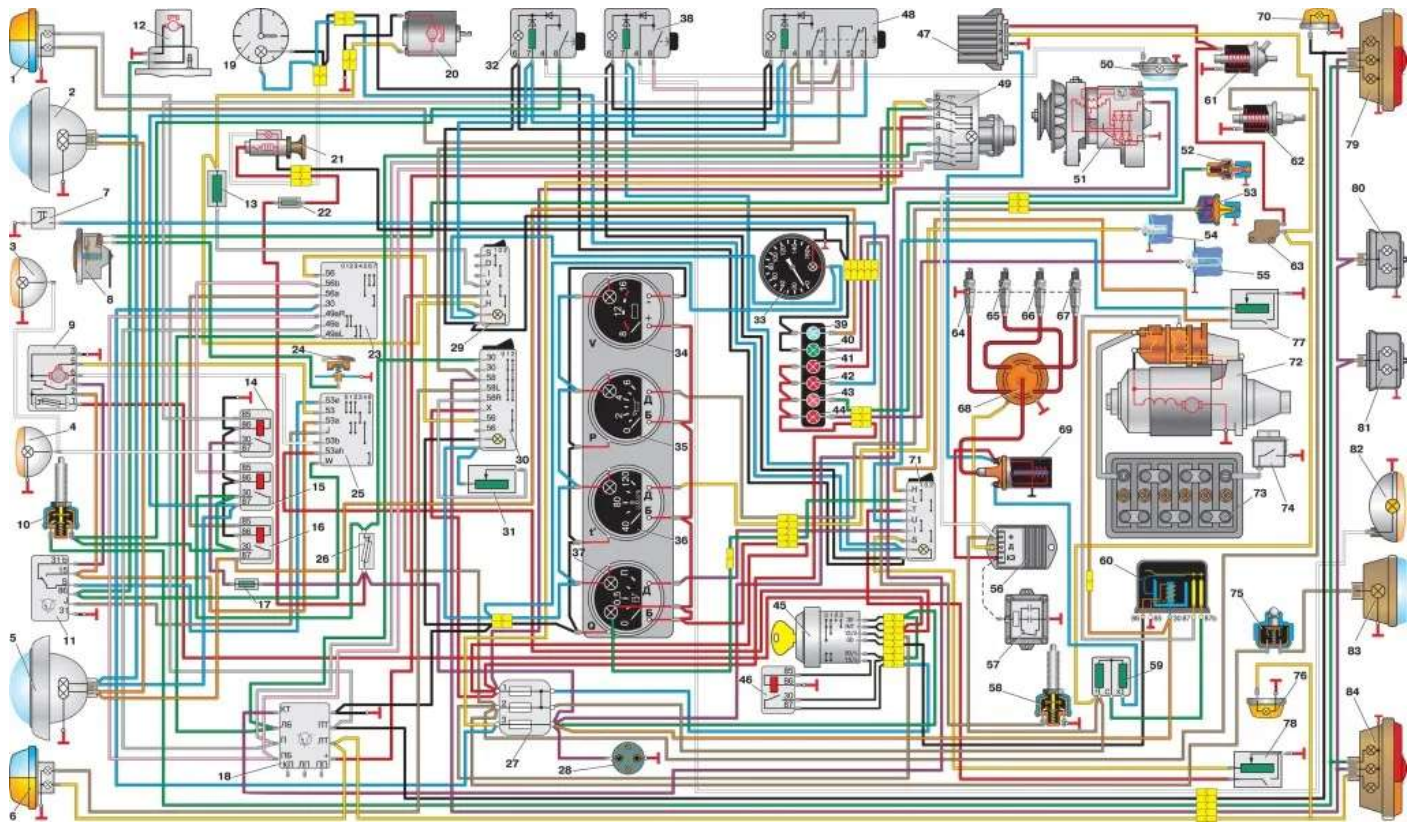


## Multifunctional modification features

Variations with the car body did not too much affected his **technical package**. But when the changes touched the controls, then the modernization was subject to:

1. Intra-alone wiring on UAZ;
2. Steel rotation control unit and outdoor lighting;
3. The control unit for the operation of electrical wipers on the instrument panel.





## Reason of modernization



On cars of the UAZ family of wiper control unit [windshield](#) Posted on the instrument panel. And since it did not comply with security requirements, on all subsequent modifications:

1. it was replaced with a more modern multifunctional block located directly on the steering wheel;
2. began to install a new instrument panel.

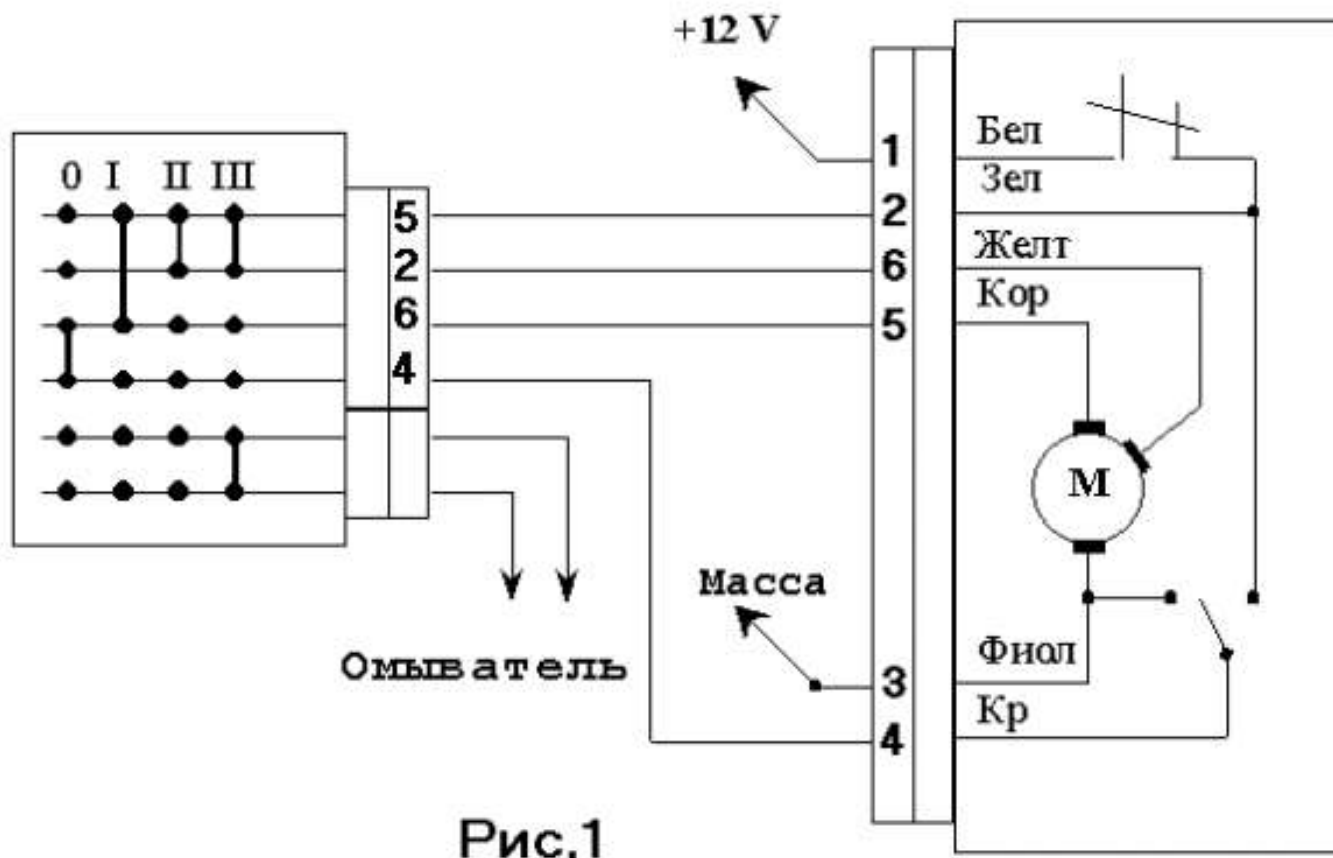


## Independent modernization

Cars of new issues already in the database have a multifunctional control unit. But the owners of early grades can convert the car under modern security requirements.

This will require:

1. Original wiring  
UAZ 2206 - as the most suitable for independent alterations;
2. Factory instruction scheme  
which allows you to properly connect steering wheel switches to the standard scheme;
3. Desire to make high-quality installation

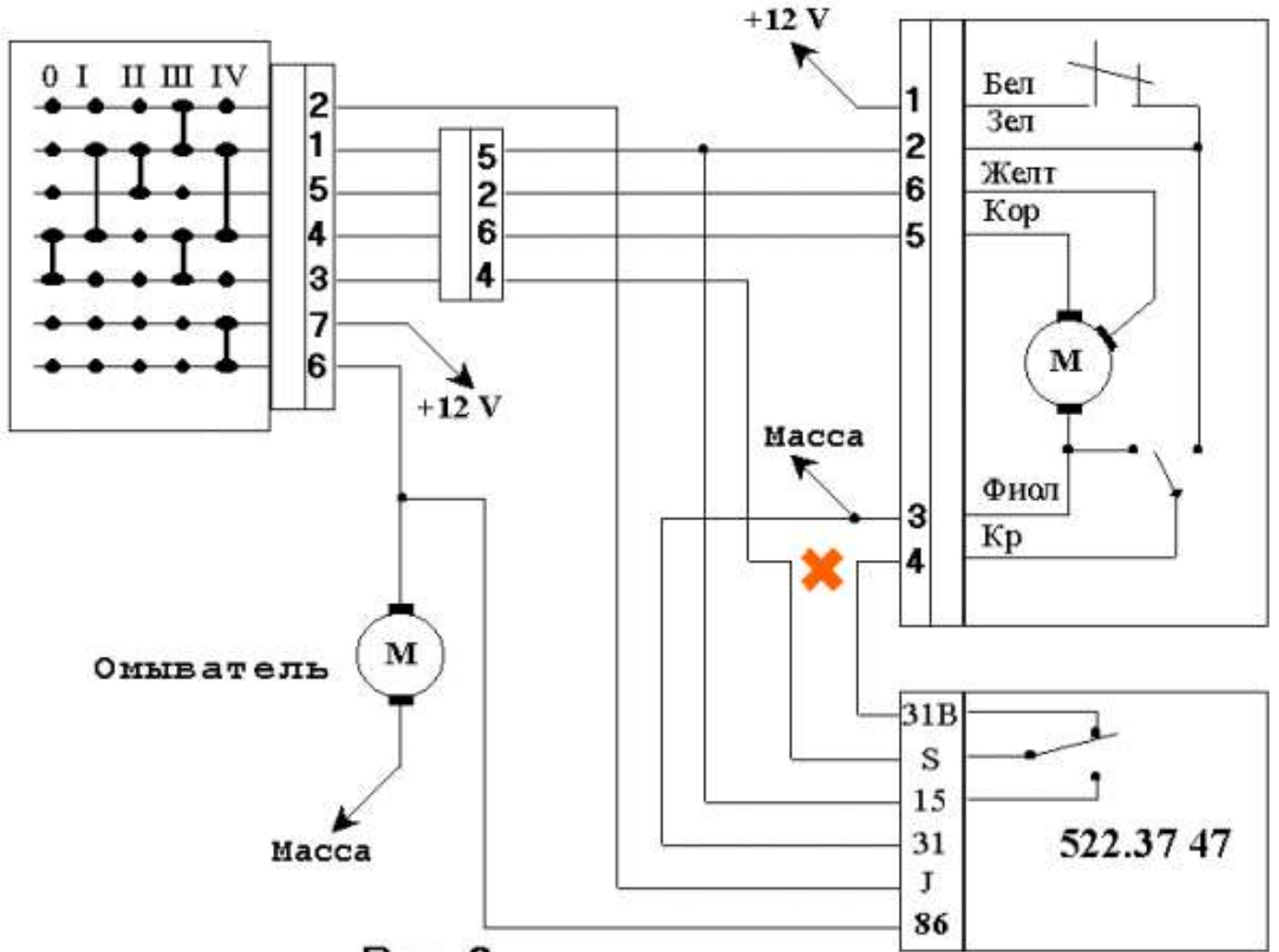


The work algorithm will be as follows:

1. Turn off the battery;
2. Remove the control unit from the instrument panel;
3. Disconnect the wires, referring to their correspondence by the factory scheme in Fig. one;
4. Remove regular switches from the steering wheel column.

For alterations, you will need to purchase several new details:

1. Block of multifunctional steering switches from the model UAZ 390995;
2. The relay for the wiper chain (it is best suited from the VAZ model, as well as wiring 2112 connecting the relay and block of switches);
3. Contact pads in the amount of 3 pieces (one 8 pin for the steering switches and two 6-pin for relays and a regular adapter).





Getting to install:

1. We replace a regular connector to a new one;
2. We cut the wire 4x4 (in Fig. 2 marked with a red crossed);

Improved by car enthusiasts. Modernization scheme

The car enthusiasts have improved the conveyance scheme proposed by the manufacturer, making some changes to it (in Fig.3):

1. Variable resistor  $R \approx 10K$  in the diagram, thanks to which the pause value in the intermittent mode of operation of the wiper can be smoothly changed from 4 seconds to 15 s;
2. Connecting the resistor to do so that the counting of the mode of operation starts from the moment the brushed electric motor is stopped.

Conclusions: Cars of the UAZ family not only unitary SUVs of multipurpose, but also easy to maintain vehicles. Almost any car owner, armed with knowledge and color electrical circuits, is capable not only to restore the refused node, but also to carry out the useful modernization of the car and its individual elements.

## Title

One of the most [frequent problems domestic cars](#) It is a breakdown of any electrical appliances, this will help you to understand the electrical stroke. The only solution to this problem will be verified the state of the fuses. The subject of today's article will be an electric power supply of UAZ Buanka on an injector type engine.

So, this article presents answers to such fairly common questions:

- What is the electric hamme rate on the UAZ car loop type injector?
- How is the electric hammer of the UAZ Bukaka?
- Where are the fuses on the car brand UAZ loaf of the engine type injector?
- Repair of the mounting unit.

## Meet UAZ 452.

The car was a cargo-passenger vehicle version [increased passibility](#) With a wheel formula 4 × 4. Osill the release of the model Ulyanovsk Automobile Plant back in 1965.

1. As a car service car;
2. As a fire truck;
3. Ambulance car;
4. Grocery shop;

## Electronic components

Reference: Instruction provided regular contact checks. When oxidized, they should be cleared with sandpaper.

## Force aggregate

- Protected from dust and dirt;

Earlier used motor with "Victory" replaced on more [modern engine](#) from the 21st Volga. This was facilitated by the launch of the production line at the Volga Motor Plant in 1964.

A vivid example of comprehensive tests "Tablets"

## What is included in the electricity

## Electronic components

## Podcast space



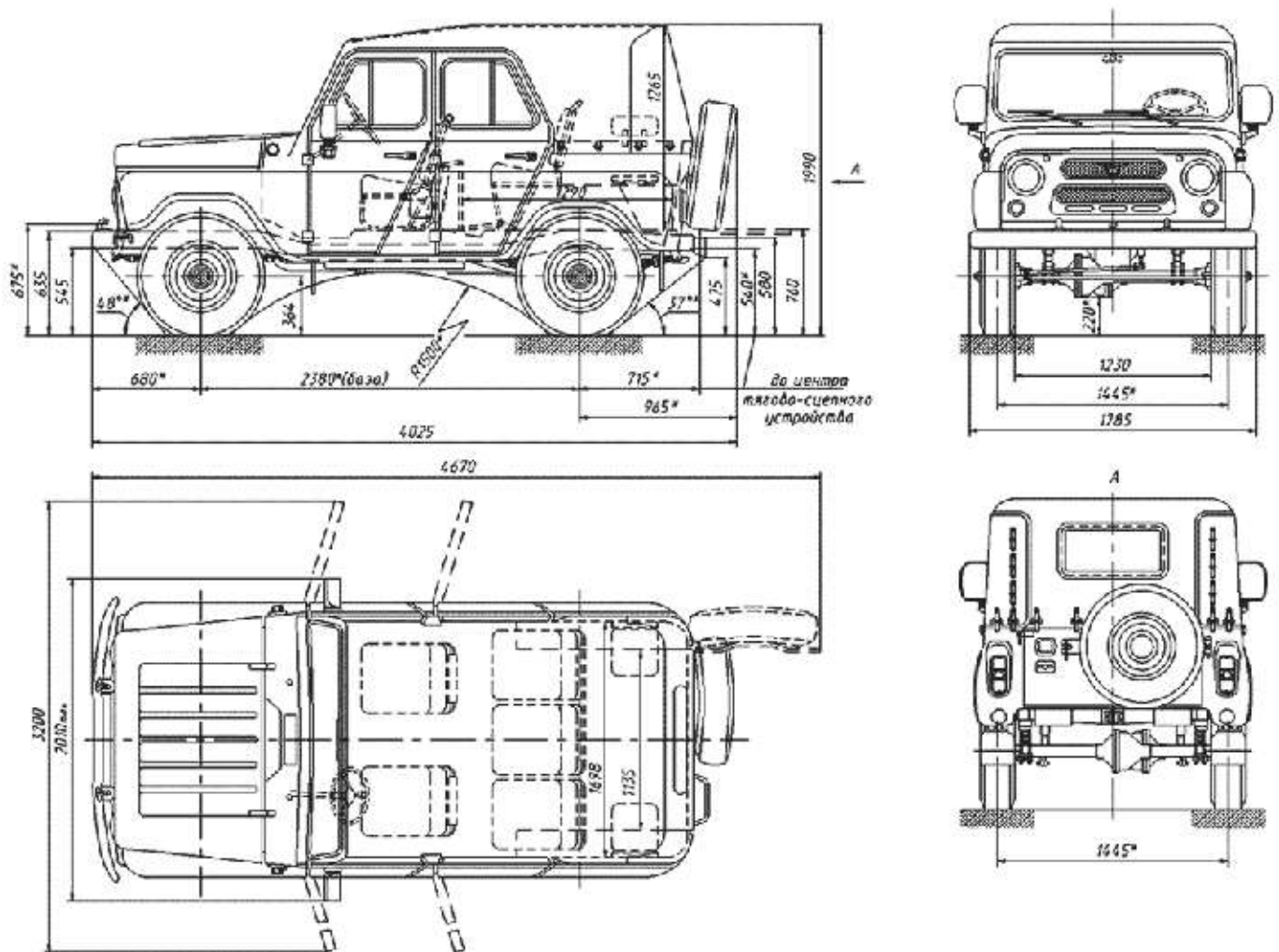
Motor compartment of car AUZ

## Passive security

## Specifications UAZ 469

Before proceeding to the intricacies of the operation of the car, it would be nice to learn about its technical characteristics.

Equipped with an SUV 4-cylinder [carburetor Engine](#) UMT-451m volume of 2.5 liters. Aggregates such an engine UAZ 469 with a 4-cops [mechanical box](#) Transmissions (with synchronizers on the 3rd and 4th gears). Engine power reaches 75 [horse power](#) With a torque of 2200 - 2500 revolutions per minute.



As a fuel, gasoline A-72 or A-76 can be used. The car has two fuel tank 39 liters, and fuel consumption at a speed of 90 km / h is 16 liters per 100 km. Maximum speed when full weight - 100 km / h.

Since the engine is the heart of any car, then it would be more logical to consider the subtleties of the launch of such an aggregate under various weather conditions, especially if your UAZ 469 is new.

## The process of removal of the checkpoint

Repair of the checkpoint on the UAZ 452 is quite possible to carry out their own hands. This requires:

- set of wrench keys, including the keys necessary for tightening nuts;
- screwdrivers;
- a hammer;
- chisel;
- pliers.

## Algorithm dismantling.



The car should stand in a flat place. It is necessary to merge the oil from two boxes by unscrewing the plum plums. Next, the front seats are removed, the half of the hatch, the clutch shutdown plug, the transverse frame, the shift levers from the boxes.

Speedometer shaft, suspension supports in the chassis, levers [brake system](#). As a result, access to the clutch can. It is fixed on the fastening nuts the box that must be unscrewed, then gently put forward the gearbox of the UAZ along with the transfer gearbox before the outlet of the flasteed shaft from the flywheel. To select the box, the driver will need an assistant.

As soon as there was a disassembly on separate components, the box must be rinsed in kerosene, dry. All components spare parts are checked for integrity. First of all it concerns Carter, shafts. If the thread is damaged on the shaft, they must be replaced. The car seems dangerous to exploit if chips will be available on the gears.

Thus, timely produced repair of the PPC UAZ "Buanka" contributes to the extension of the resource of the box.

## Meet UAZ 452.

The car was a cargo-passenger version of the vehicle of increased patency with a 4 × 4 wheel formula.

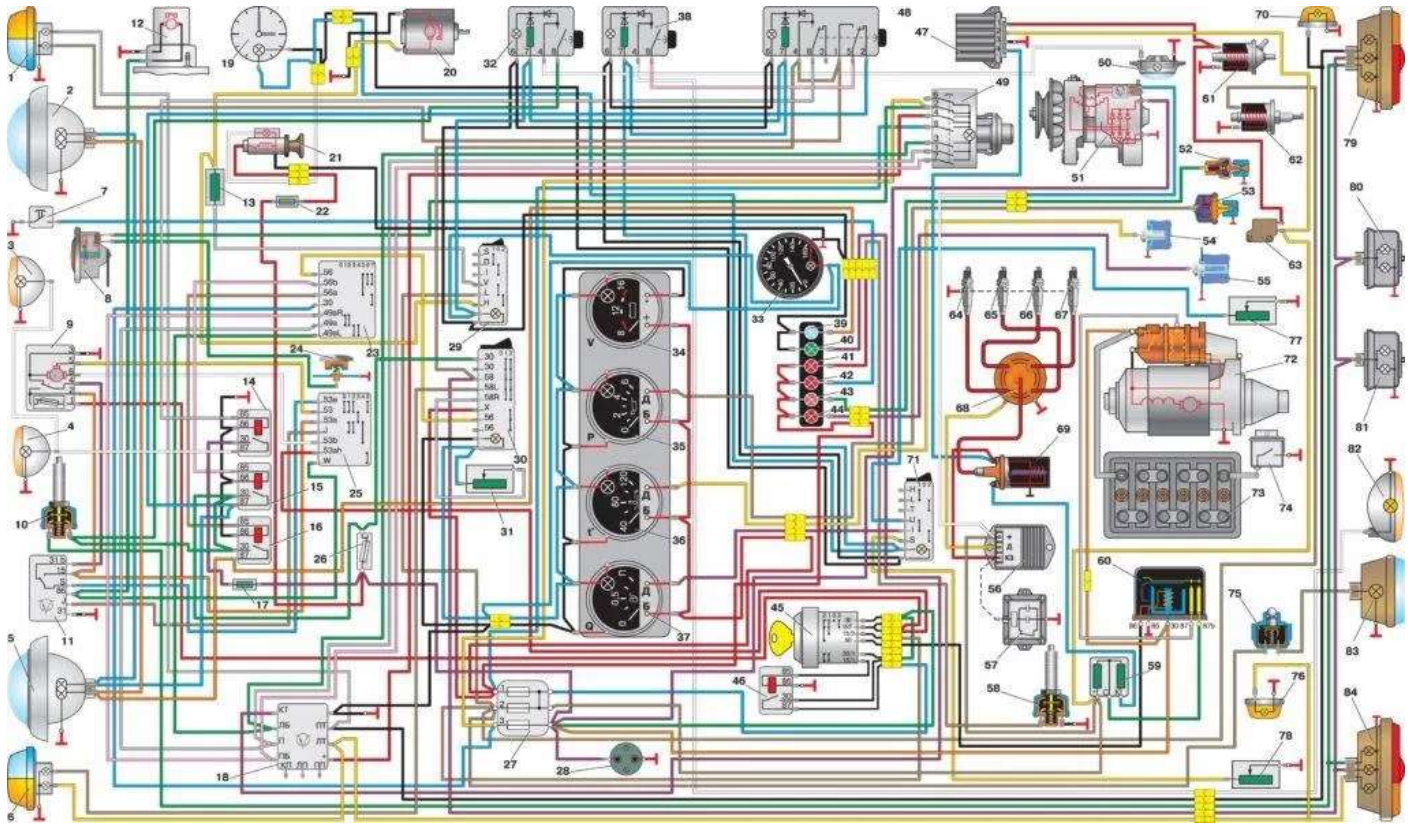
Osill the release of the model Ulyanovsk Automobile Plant back in 1965.

Its opportunities can be estimated by looking at the following video :

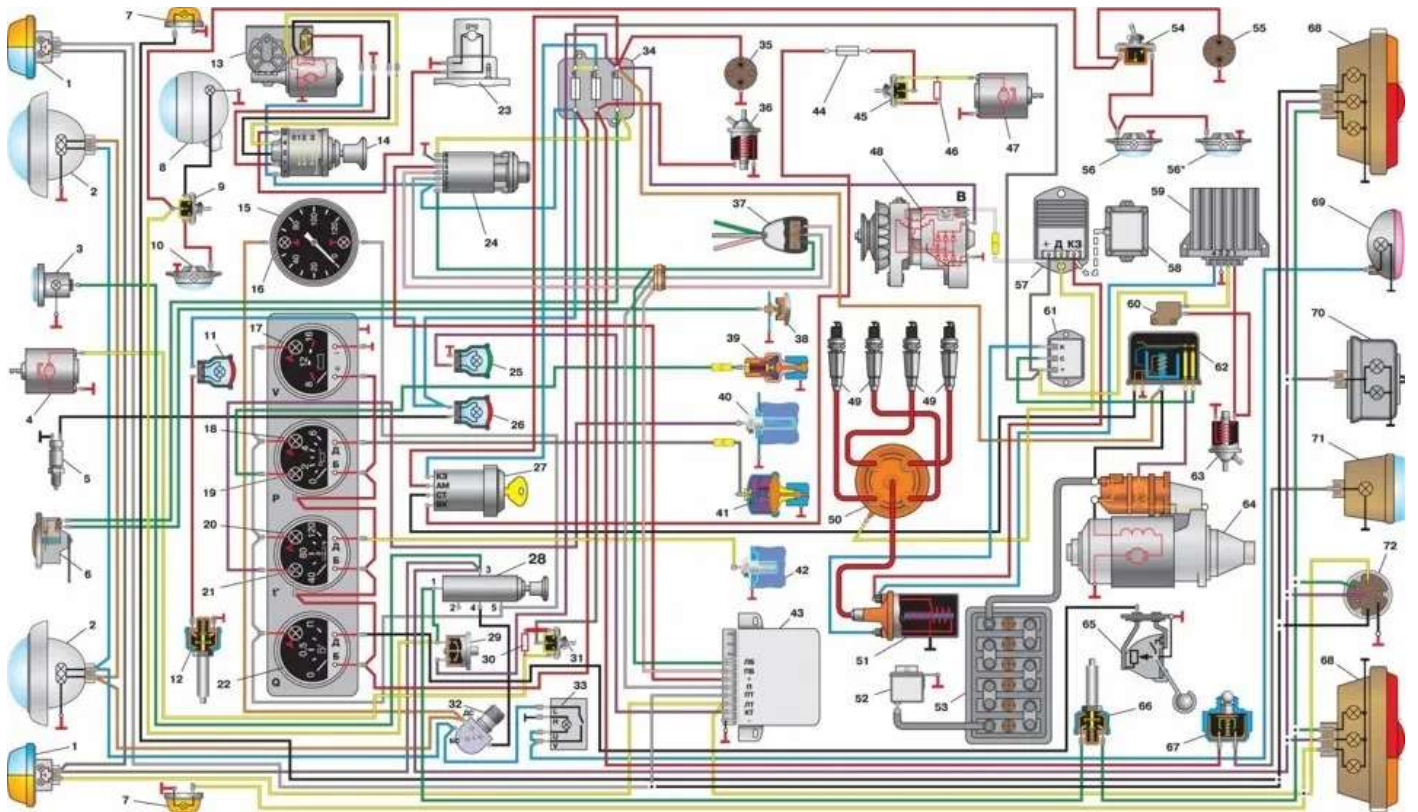
UAZ 452 is able to transport cargo in the body weighing up to 700 kg. In addition, it can tow a trailer weighing 850 kg. [Vehicle](#) It became very popular not only in the conditions of Russian off-road, but also successfully used in large cities in various quality (in the photo in the article).

In particular:

1. As a car service car;
2. As a fire truck;
3. Ambulance car;
4. Grocery shop;
5. Vehicle communal services, etc.



### Electronic components



Wiring UAZ 452 was a simple single-wire diagram.

Constructively she had the following solutions:

- The role of the second wire played a metal body and attached knots and aggregates attached to it;
- All electronic components and **executive mechanisms** Have "-" bred on the body. The price of such a solution justified the imperfection of the scheme.

## Force aggregate

The engine compartment is located right in the car's cabin, as this is due to its design.

Access to nodes and aggregates is also carried out from the cabin, by removing the lid, which:

- Ensured the protection of the driver and passengers from the penetration of exhaust gases;
- Protected from dust and dirt;
- Served as an additional heating element (passive - from heating).



Previously used the motor with "Victory" was replaced with a more modern engine from the 21st Volga. **This was facilitated by the launch of the production line at the Volga Motor Plant in 1964.**

## Passive safety car

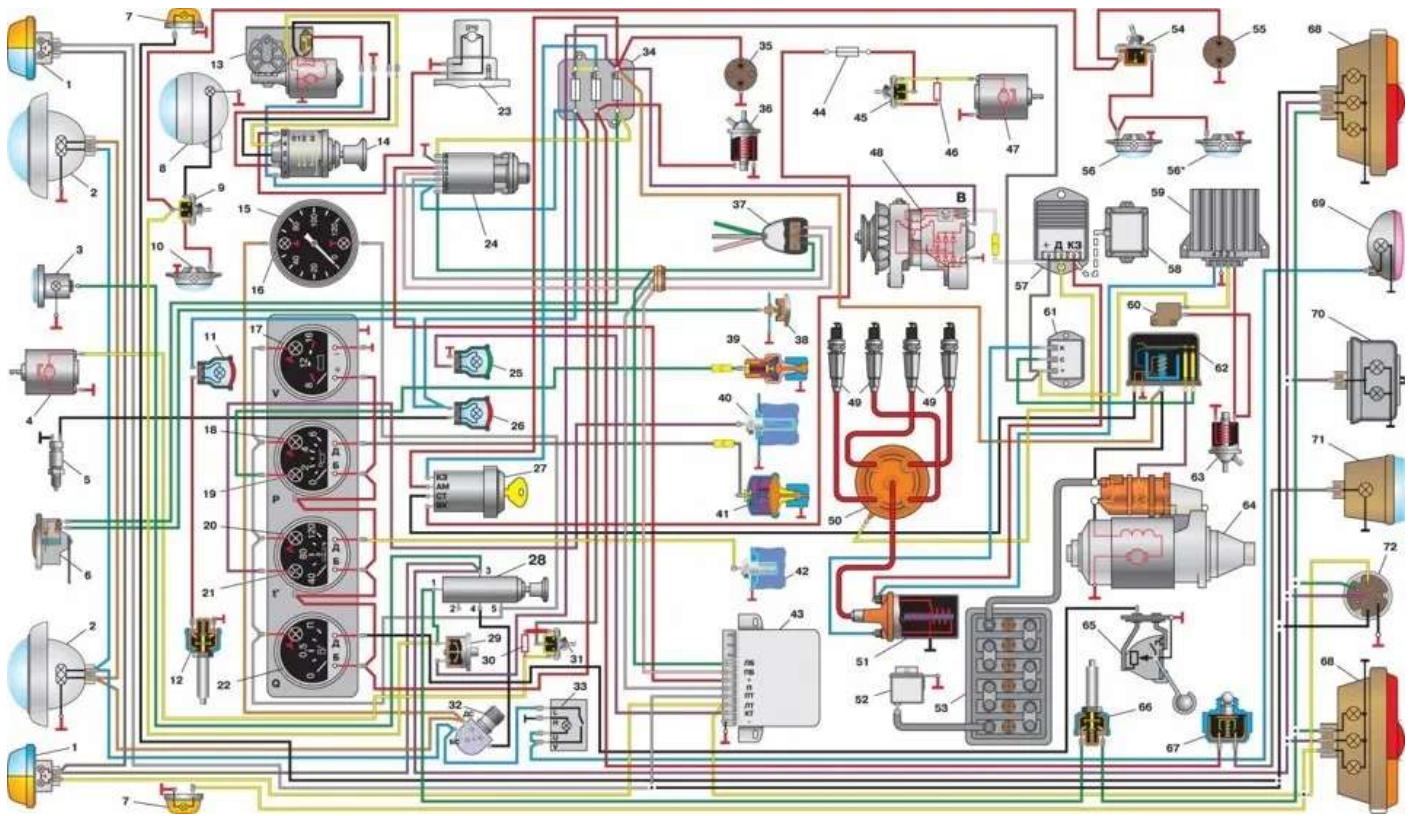
The design of "Baton" with a bad layout also initially caused a number of questions regarding security. However, a series of crash tests conducted in 1971 at the Dmitrov Polygon proved that in most freelancers, the driver and passengers of UAZ 452 have chances to avoid injury.



## What is included in the electricity

What features is the automotive electrician on old machines produced by Ulyanovsk Automobile Plant?

## Electronic components



Electroshem UAZ 452 The alone is quite simple - single-wire.

According to its design, the Wiring scheme of UAZ390995 or another model is characterized by such solutions:

1. A vehicle body is used as a mass.
2. Any electrical equipment of the old sample scheme on UAZ 409 or another model, as well as actuating elements, are equipped with a minus output that connects to the car body. According to experts, in general, this scheme is imperfect.

According to the instruction manual [electrical equipment](#), The driver has to diagnose the integrity of the contacts from time to time. We also talk about their oxidation. If the driver noticed the presence of oxidation on the conclusions, it should process them using fine-grained emery paper.

## Podcast space

In this case, the engine compartment is located directly in the transport cabin in accordance with the design of the machine.

Himself access to [electrical scheme](#) And other mechanisms and aggregates are made from the salon, as a result of dismantling the lid, which:

1. Designed to protect the motorist and passenger from the exhaust gas from entering the salon.
2. Allows you to protect the cabin auto from the penetration of dirt and dust.
3. Performs the function of an additional heating device, in particular, passive pathway, as a result of heating.



Earlier on UAZ 396255 and other models with the carburetor, an engine was used from the legendary "victory", which was subsequently replaced by a more advanced and modern unit. In particular, the motor from "Volga" is meant. This decision at one time, in the distant 1964, contributed to the serial launch of the production line at the ZMZ enterprise. Despite the fact that many domestic motorists argue that the UAZ scheme 390994 Injector in [motor compartment](#) Located in an uncomfortable place due to the lack of hood, it is not. Dozens of years of operation proved that no hood does not in any way affect the diagnosis and maintenance of the car.

## Passive security

The design of the domestic loaf with the absence of the hood at first caused many questions in the safety of the driver and passengers. As a result of several tens of crash tests, which were held in the early 70s of the last century, it was revealed that the car is equally safe if compared

with others [domestic cars](#). As the results showed, in the event of an accident and driver, and car passengers have a good chance to avoid injuries at an accident.

## Subtleties of maintenance UAZ 469

During the operation of each car, its deterioration [technical status](#), Auto UAZ 469 is also no exception. In order to increase the service life of the machine and on time to prevent faults, it is necessary to know the subtleties of its maintenance, namely the subtleties of the maintenance of all available mechanisms.

Consider some of the most important points:

First of all, pay attention to the frequency of oil replacement. It is recommended to do it every 5,000 mileage kilometers.

At the same time, it is allowed during the operation of the SUV reduction of oil by 10-12 mm relative to the lower edge of the filling hole.

It is also necessary to periodically carry out the maintenance of the gas distribution mechanism, which is to clean the valves from the car and their tick.

The oil filter is changed by turning it away from the cylinder block counterclockwise. Before installing the new [oil filter](#) Its sealing ring need to lubricate [motor Oil](#). The new filter is cleaned to the degree excluding the flow of oil.

The crank-connecting-connecting mechanism of the car needs tightening the cylinder fastening nuts every 1000 km. Run.

The engine cooling system must be filled with soft fresh water with a small content of salts and during operation periodically removed from the system of scale and litter, as well as adjust the tension of the fan belt.

The clutch mechanism also needs [maintenance](#). In addition to the fact that it is necessary to lubricate the clutch shutdown bearing, located on the right side of the crankcase, it is also necessary to clean the lower part of the crankcase after driving along the dirt road.

As for the service of the gearbox, everything comes down here to periodic lubricant, it is also necessary to not forget about it.



## A few more subtleties of UAZ 469

Of course, knowing all the subtleties of the car can not even, probably, the manufacturer itself, so we will try to tell you all at the maximum. So, a few subtleties:

1. Reverse in the gearbox and lower transmission in [dispensing box](#) It is necessary to include only after a complete stop of the car.
2. Always turn off the clutch on steep slopes in order to avoid breaking the clutch disk.
3. Never exceed the speed (more than 60 km / h) with the front axle enabled, and while driving on dry and solid road, it can be turned off at all.
4. Also, in no case, do not allow the front axle when the front wheels are turned off.
5. It is necessary to periodically check outdoor threaded fastenings and tightening during the operation of the car.
6. Be careful to the chassis of the car and do not allow shock loads on it.
7. When driving on particularly dusty roads to create a backpage of air in the cabin and reduce dust penetration, open the hatch in the middle part of the front and close the rotary door windows.

## Causes of damage



As a rule, the need to replace the main component parts on the CAT occurs with their natural wear.

<b>Причина неисправности</b>	<b>Метод устранения</b>
<i>Шум в коробке передач</i>	
1. Ослабление крепления коробки передач с картерами сцепления и раздаточной коробки	1. Подтяните все болты гайки крепления
2. Загрязнение масла твердыми частицами	2. Промойте картер и замените масло
3. Масло не соответствует указанию таблицы смазывания или понижен его уровень	3. Замените масло в соответствии с указанием таблицы смазывания или долейте до уровня маслосливного отверстия
4. Износ или разрушение деталей	4. Разберите коробку передач и замените изношенные или разрушенные детали
<i>Затруднено переключение передач</i>	
1. Сцепление «ведет», в результате чего синхронизатор блокирует включение передачи	1. Отрегулируйте привод выключения сцепления, как изложено в разделе «Сцепление»
2. Износ деталей синхронизатора (выпадение шарика из гнезда или сухаря из паза)	2. Замените изношенные детали
3. Изгиб или износ вилок и других деталей механизма переключения	3. Выправьте или замените деформированные или изношенные детали
4.* Заедание шестерни I передачи на вторичном валу из-за задиров посадочной поверхности заусенцами, образовавшимися на торцах шлицев шестерни от включения II передачи с ударами о зубья	4.* Разберите коробку передач. Зачистите выступы от задиров на вторичном валу. Зачистите заусенцы на шлицах шестерни. При сборке не работавшие ранее в посадке шлицы шестерни совместите с посадочными поверхностями вала или замените комплект вторичного вала с шестерней I передачи
<i>Самовыключение передачи при движении автомобиля</i>	
1. Ослабление посадки по центрирующим поверхностям в результате износа или смятия деталей	1. Замените детали. Ступицу синхронизатора подберите с муфтой, как показано на рис. 3.11 и 3.13. Шестерню I передачи подберите по вторичному валу с минимальным зазором при легком перемещении.* Замените втулки или шестерни с втулками*. Замените подшипники шестерен**

## Causes of breakdowns

The main cause of the leaks of oil from the checkpoint is the presence of **increased level** Fuel in the system. For PPC on UAZ, high-quality oil should be used. If the fluid does not have due quality, then due to this, characteristic noise from the box side can occur. With the wear of the synchronizer or its parts, it is always observed by the change

Pay attention to the details of the switching mechanism. When deforming the gears of gears often marked the self-off

## Finally

Many of us remember about the legendary car.

Therefore, his appearance on the show dedicated to the Olympic Games was perceived as part of our **nice history** Development of domestic auto industry.

Buanka has received participation in the 2014 Olympics

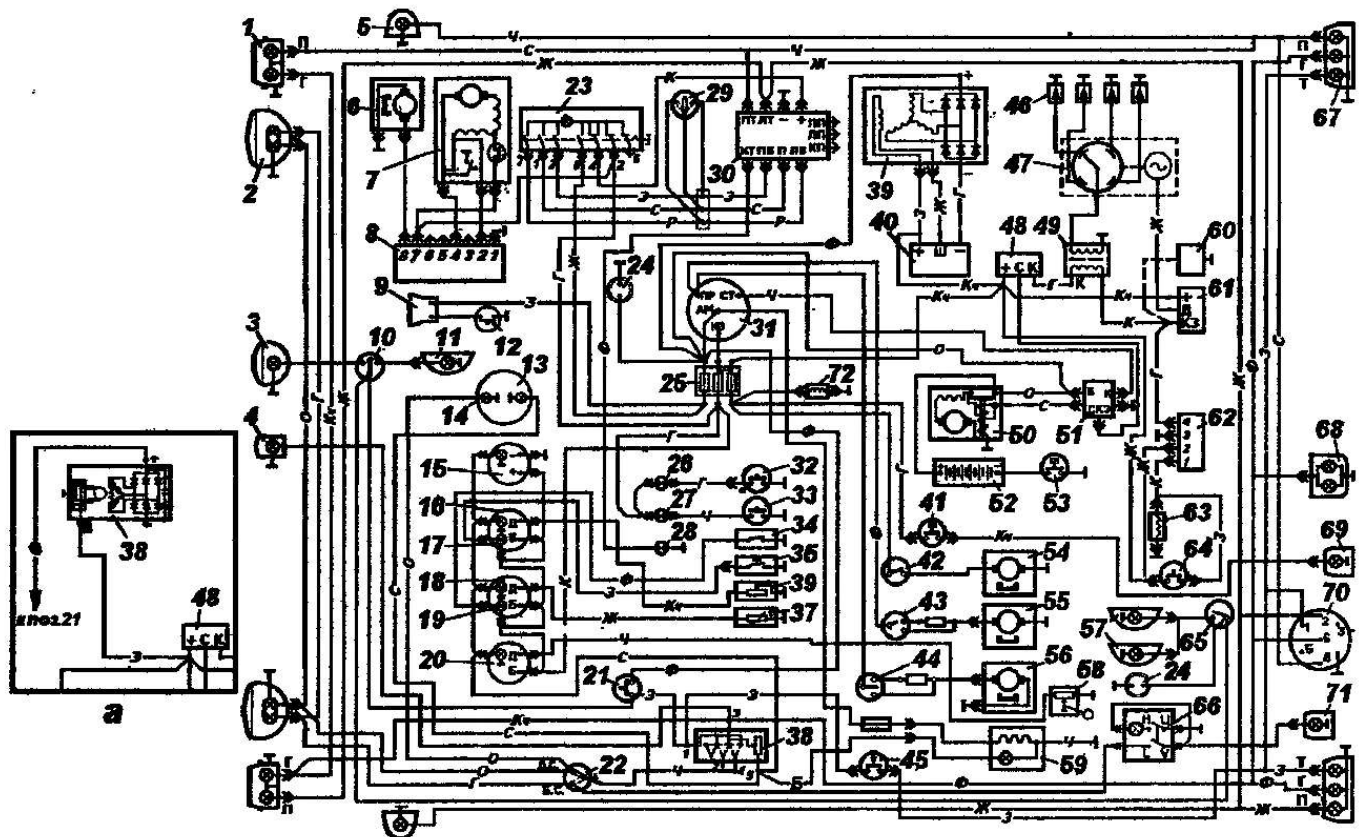


Fig. 246. Scheme of electrical equipment of cars UAZ-3962 and UAZ-2206:

1 front lamp; 2-headara; 3-swivel headlight; 4-lantern of special sign; 5-repeater indicator of rotation; 6-electric motor washer; 7-wiper electric motor; 8 switch wiper and washer; 9-beep; 10-switched cab of the cabin; 11-plane cabin; 12-switch sound signal; 13-speedometer; 14-signal

lamp [far Light](#) headlights; 15-voltmeter; 16-index of oil pressure; 17-signal oil pressure lamp oil; 18-pointer temperature of the coolant in the cylinder block; 19-signal coolant emergency overheating lighting lamp in the radiator; 20-pointer fuel level in the tank; 21-thermal fuse; 22-foot switch light; 23-speed alarm switch; 24-plug socket; 25-block of fuses; 26-signal operating lamp of the parking brake; 27-signal lamp of the alarm of the hydraulic brakes; 28-signal rotation pointer lamp; 29 switch of rotation pointers; 30 lapse of rotation pointers; 31 ignition switch; 32-switches of the power lighting lamp [parking brake](#); 33-switch signal lamp of the alarm state of the hydraulic transition of the brakes; 34-sensor of the emergency overheating of the coolant in the radiator; 35-sensor of the emergency oil pressure lamp; 36-sensor oil pressure indicator; 37-sensor of the coolant temperature pointer in the cylinder block; 38-central light switch; 39 generator; 40 voltage regulator; 41 lantern switch [rear stroke](#); 42 fan electric motor switch in the cab; 43 switch electric motor heater fan in the cabin; 44 switch electric motor of the heater fan in the cabin; 45-braking signal switch; 46 ignition candle; 47-sensor dispenser; 48-additional resistance; 49 ignition coil; 50 starter; 51 additional starter relays; 52-rechargeable battery; 53-switched mass; 54 fan electric motor in the cockpit; 55-electric motor heater fan in the cabin; 56-electric motor of the heater fan in the cabin; 57-plaphones in the cabin; 58 fuel level sensor in the tank; 59 cigarette lighter; 60-emergency vibrator; 61 transistor switch; 62-electronic carburetor control unit; 63 electromagnetic valve; 64 microswitch; 65 fog lamp switch with a built-in signal lighting lamp; 66 cylinder switches in the cabin; 67-rear lamp; 68 lamp lighting license plate; 69 lantern of the reverse; 70-plug trailer socket; 71-fog lamp; 72-Valve Florament Float Camera Carburetor

a-generator connection diagram with built-in voltage integrated regulator

Conditional designation of wire coloring: b-white; Mr. Blue; Jelly; 3-green; K-red; Kch-brown; O-orange; P-pink; S-gray; F-purple; H-black

1. Pos. 42 and 54 are installed on vehicles in tropical execution. 2. Pos. 62, 63, 64 with K126-GU carburetor are not installed. 3. Pos. 3, 4, 70 are installed only by car UAZ-3962

To ensure the efficiency of all electrical devices on any car, an electrical circuit is used. In this article we will talk about [legendary cars domestic production](#) - UAZ. What is an electric hammer of the UAZ UAZ car, what are its features - read about it below.



Steering

How to avoid deception in the car service and what to do if you are deceived?



Steering

How to pass the car to recycling in the traffic police?



Rack

How to purchase a car in another region: detailed guide to car registration in another region



New on the site

How to remove the car from accounting: Tips and recommendations to remove the car from registration without a car

Explained by the Supreme Court

How to check the car for a ban on registration actions based on the database of traffic police

How to remove the car from the record on the new rules?

How to find out the owner by car number

> Most popular

Installing a headcom: Is it possible to do everything yourself?



How to remove the car from the account: the required package of documents

How to find out the owner of the car according to the state entrance or a VIN-code?



When can you remove the car from accounting in the traffic police without a car and how to do it?



Lee or how to register a hitch in the traffic police - Documents and registration



---

Automotive portal - tuning. Salon. Engine care. Transmission. Wheels.

© 2021.



#### Popular sections

Engine

Locks

Wheels

Transmission

Lighting

Heating

Food

#### Recent articles

What is a VIN car, where he is that you can learn by the VIN number

How to find out the car owner on the wine number

How to find out a car from accounting after sale?

Toning the front brakes allowed - is it true?

Free online check car by state number