

TRANSPORTATION

The automobiles are transported depending on the user location: by water, railway or air transport. The transportation of the automobiles without assistance (on the move) is allowed.

When transporting the automobiles in the hold or on the deck, and also by air transport make them fast in accordance with the ship scheme or air transport scheme. Use appliances, which not damage the parts and paint of the automobile.

Before loading check the driver's kit, accessories and spare parts in accordance with the complete list.

The loading and unloading should be carried out by a crane with special grips in accordance with the scheme in Fig. 78.

On all transports, the automobiles should be located so that the distance between the automobiles (extrem points) on the radiator side would be equal to 50-100 mm, and on the other sides - not less than 100 mm.

When transporting, the parking brake of the automobile should be on, the engine - shut down, the gearbox lever should be in the position of the first gear, the fluid (water) should be

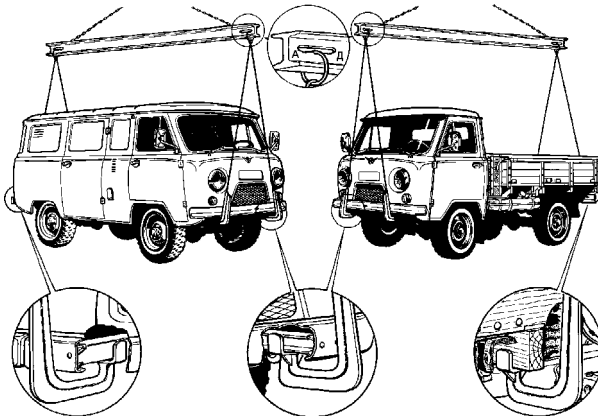


Fig. 78. Scheme of automobile loading (unloading):
A and Д - slots of gripping devices rings for automobile location with diverse weight and in level position

poured out from the cooling system and the sighthoard "Water is poured out" should be hanged, the storage battery should be cut off by means of the ground switch.

To protect the automobile from axial and side shiftings attach it with four tension wires of steel wire (dia. 6 mm) with double thread each, and also with wooden wedges 300x160x80 nailed to the floor under wheelies. Attach the tension wires to the towing hooks on the frame ahead, and to the towing gear-in rear part of the automobile. After attaching seal the automobile.

Before air transporting, the fuel tanks should be filled with fuel not more 75% of its capacity.

The automobile should be get into an airplane with the first gear of the gearbox and with the low range of the transfer box or with the backward motion (depending on the loading or unloading conditions).

LAMPS EMPLOYED ON AUTOMOBILES

Lamps	Type	Power, W
Headlamps: upper and lower beam	12-45x40 AKГ12-60+55-1(H4)	45x40 or 60x55
Swivelling lights*	A12-50x40	50x40
Front lamps:		
clearance light	A12-5	5
turn indicators	A12-21-3	21
Rear lights:		
turn indicators	A12-21-3	21
clearance light	A-12-5	5
stop-light	A-12-21-3	21
Turn indicator repeaters**	A12-5	5
Backing lamp	A12-21-3	21
License plate lamp	A12-10	10
Special mark lamp	A12-10	10
Cab lamp	A12-10	10
Rear fog lamp	A12-21-3	21
Hand lamp	A12-21-3	21
Instrument illumination dome lamp	AMH12-3-1	3
Upper beam warning lamp	AMH12-3-1	3
Oil emergency pressure warning lamp	AMH12-3-1	3
Coolant emergency overheating warning lamp	AMH12-3-1	3
Turn indicator warning lamp	A12-1	1
Brake emergency condition warning lamp	A12-1	1
Parking brake warning lamp	A12-1	1
Emergency flasher warning lamp	A12-1.1	1.1

* On automobile YA3-3962

** Is not installed on automobile YA3-3303

TORQUES FOR MAIN THREADED CONNECTIONS, kgf · m

Stud nuts attaching cylinder block heads to cylinder block	9.0-9.4
Connecting rod bolt nuts	6.8-7.5
Crankshaft main bearing cap attachment nuts	12.5-13.6
Bolt nuts attaching flywheel to crankshaft	7.6-8.3
Bolt nuts attaching flanges to propeller shaft	3.2-4.0
Nuts attaching flange to axle pinion	16-22
Bolts attaching final drive gear to differential case	10-14
Spring U-bolt nuts	9.0-10
Wheel attaching nuts	10.5-12
Bolts attaching front axle driving flanges and rear axle axle shafts	6.0-7.0
Nut attaching steering arm to shaft	20-28
Steering rod ball pin nuts	6.0-8.0
Steering rod locknuts	10.5-13.0
Ball support attachment bolts	3.6-5.0
Wheel hub bearing locknuts	5.0-7.0
Anchor plate bolts:	
front	3.6-4.4
rear	4.4-5.6

Note. For other threaded connections, the torque should be equal to:

M6 - (0.45-1.0);

M8 - (1.4-1.8);

M10 - (3.0-3.5) kgf · m.

MAIN METERING JETS OF CARBURETTORS K-151B AND K-151E

Jets	1st chamber	2nd chamber
Main fuel jet	225±3 cm ³ /min (230±3 cm ³ /min)	330±4.5 cm ³ /min
Main air jet	330±4.5 cm ³ /min	230±3 cm ³ /min
Assembly of idling fuel jets:		
idling tube	95±1.5 cm ³ /min (110±1.5 cm ³ /min)	
emulsion tube	85±1.5 cm ³ /min	
Second idling air jet	330±4.5 cm ³ /min (175±2.5 cm ³ /min)	
Idling emulsion jet	280±3.5 cm ³ /min (175±2.5 cm ³ /min)	
Transfer fuel jet		150±2.0 cm ³ /min (200±2.5 cm ³ /min)
Transfer air jet		270±3.5 cm ³ /min

Notes. Some jets of the carburettors K-151B and K-151E differ in rated capacity. A value in brackets is indicated for the carburettor K-151E .

The data-sheet rated capacities indicated in the Table are indented on the corresponding jets.

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Wiring diagram of automobile YA3-33036	in Insert

FOR NOTES