ILLUSTRATION ALBUM

VAZ - 21213, VAZ - 21214

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TOGLIATTI • RUSSIA • AO AVTOVAZ
2001
VEHICLE PACKAGING

**Specification**
- **Payload, kg**: 400
- **Kerbweight, kg**: 1210
- **Max. speed, km/h**: 137
- **Acceleration time from 0 to 100 km/h, with gearchange, on GVW vehicle, sec**: 21

**Overall dimensions, mm:**
- **Length**: 3740
- **Width**: 1680
- **Unladen height**: 1640
- **Wheelbase, mm**: 2200

**Track:**
- **Front, mm**: 1430
- **Rear, mm**: 1400

**1. Headlight**
**2. Front lamp**
**3. Jack**
**4. Radiator**
**5. Windscreen / headlight washer fluid reservoir**
**6. Engine**
**7. Air cleaner**
**8. Cooling system expansion tank**
**9. Battery**
**10. Differential lock lever in transfer box**

**11. Gear change lever**
**12. Gear change lever in transfer box**
**13. Steering wheel**
**14. Front seat**
**15. Rear seat**
**16. Tailgate washer fluid reservoir**
**17. Main silencer**
**18. Rear bumper**
**19. Rear brakes**
**20. Rear suspension coil spring**
**21. Rear shock absorber**
**22. Rear suspension transverse torque rod**
**23. Rear suspension longitudinal torque rod**
**24. Fuel tank**
**25. Rear axle**
**26. Intermediate silencer**
**27. Rear propeller shaft**
**28. Reservoir for brake hydraulic fluid**
**29. Reservoir for clutch hydraulic fluid**
**30. Torque converter**

**31. Clutch pedal**
**32. Brake pedal**
**33. Front brake**
**34. Front suspension coil spring**
**35. Front axle**
**36. Direction indicator side repeater light**
**37. Front bumper**
ENGINE
(sectional longitudinal view)

Specification

<table>
<thead>
<tr>
<th>Engine model</th>
<th>VAZ - 21213</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cylinder bore and piston stroke, mm</td>
<td>80 x 80</td>
</tr>
<tr>
<td>Displacement, l</td>
<td>1.69</td>
</tr>
<tr>
<td>Compression ratio</td>
<td>9.3</td>
</tr>
<tr>
<td>Rated power as per GOST 14846-89 (net) at crankshaft rate 5,200 rpm, kW (HP)</td>
<td>59 (80.2)</td>
</tr>
</tbody>
</table>

1. Crankshaft
2. Main bearing shell
3. Crankshaft sprocket
4. Crankshaft front oil seal
5. Crankshaft pulley
6. Ratchet
7. Timing cover
8. Coolant pump / alternator drivebelt
9. Alternator pulley
10. Oil pump / ignition distributor / fuel tank / drive sprocket
11. Oil pump / ignition distributor / fuel tank drive shaft
12. Engine cooling system fan
13. Cylinder block
14. Cylinder head
15. Timing chain
16. Camshaft sprocket
17. Exhaust valve
18. Inlet valve
19. Camshaft bearing housing
20. Camshaft
21. Valve operating lever
22. Valve cover
23. Coolant temperature gauge sender
24. Spark plug
25. Piston
26. Gudgeon pin
27. Crankshaft rear oil seal retainer
28. Crankshaft thrust half-ring
29. Flywheel
30. Upper compression ring
31. Lower compression ring
32. Oil ring
33. Clutch bellhousing cover plate
34. Oil sump
35. Power unit front mounting
36. Connecting rod
37. Front mounting bracket
38. Power unit
39. Power unit rear mounting
COOLING SYSTEM
1. Temperature sensor for fuel injection system
2. Radiator top hose
3. Expansion tank filler cap
4. Expansion tank
5. Radiator cap
6. Fluid return hose to expansion tank
7. Cooling water jacket
8. Filler neck
9. Inlet valve
10. Exhaust (steam) valve
11. LH fluid cooler
12. Radiator matrix
13. RH fluid cooler
14. Fan impeller
15. Swirl
16. Radiator mounting rubber
17. Fan cowl
18. Fan belt
19. Radiator outlet hose
20. Coolant pump
21. Coolant pump supply hose
22. Thermostat
23. Thermostat by-pass hose
24. Coolant return hose from heater radiator
25. Coolant return pipe from part throttle channel heater
26. Coolant supply hose to part throttle channel heater
27. Coolant return hose from heater radiator
28. Coolant supply hose to heater radiator
29. Rubber insert
30. Inlet elbow (from radiator)
31. Main valve
32. Thermostat housing
33. By-pass valve
34. By-pass hose pipe
35. Coolant supply pipe
36. Thermostat cover
37. Piston
38. Water pump cover
39. Oil seal thrust sealing ring
40. Oil seal collar
41. Water pump shaft bearing outer ring
42. Fan pulley hub
43. Stop screw
44. Water pump shaft
45. Water pump housing
46. Water pump impeller
47. Inlet pipe

I. Thermostat operation diagram
A. Coolant temperature below 80°C
B. Coolant temperature within 80 to 94°C
C. Coolant temperature over 94°C.
FUEL SYSTEM

1. Rocker arm shaft
2. Rocker arm
3. Pushrod
4. Bottom cover
5. Delivery valve
6. Delivery union
7. Suction valve
8. Fuel filter
9. Suction union
10. Fuel pump eccentric on shaft 19 (See p.4)
11. Thermal insulating spacer
12. Gasket
13. Fuel tank shim
14. Priming lever
15. Rocker
16. Eccentric
17. Fuel tank cover
18. Diaphragm plate
19. Inner spacer
20. Upper diaphragms
21. Lower diaphragm
22. Outer spacer
23. Return spring
24. Pullrod
25. Top cover
26. Carburettor
27. Fuel pump
28. Fine filter
29. Check valve
30. Return flow line
31. Supply line from fuel tank
32. Intake pipe filter
33. Fuel gauge sender
34. Fuel tank
35. Fuel vapour separator
36. Separator connecting hoses
37. Air hose
38. Fuel filter neck
39. Filter cap
40. Vent hose

I. Fuel pump operation diagram
II. Fuel pump mounting diagram
AIR CLEANER, SILENCERS.

1. EGR valve thermo-vacuum switch
2. Exhaust manifold
3. EGR valve
4. EGR tube
5. Intake manifold
6. Carburettor
7. Cold air intake
8. Temperature flap
9. Warm air intake manifold
10. Pinch bolt
11. Air cleaner housing
12. Pointer for air filter cover alignment
13. Gauze
14. Filter element perforated plates
15. Paper filter element
16. Air cleaner cover mounting bracket
17. Securing nut
18. Discharge pipe
19. Air cleaner cover
20. Front exhaust pipe
21. Front exhaust pipe bracket
22. Clips
23. Intermediate silencer
24. Suspension rings
25. Main silencer
26. Tail pipe
27. Intermediate silencer rear perforated tube
28. Intermediate silencer rear baffle plate
29. Front baffle plate
30. Front perforated tube
31. Intermediate silencer housing
32. Main silencer front perforated tube
33. Main silencer inlet pipe
34. Main silencer outlet pipe
35. Main silencer housing
36. Rear baffle plate
37. Centre baffle plate
38. Rear perforated tube
39. Front baffle plate

I. Recirculation diagram
II. Air cleaner unit
III. Intermediate silencer
IV. Main silencer
GEARBOX OPERATION DIAGRAM

1. Input shaft
2. Output shaft
3. Input shaft constant mesh gear
4. 4th speed synchro crown
5. 4th gear synchro baulk ring
6. 3rd and 4th synchro sleeve
7. 3rd and 4th gear selector fork
8. Synchro circlip
9. 3rd synchro baulk ring
10. Synchro spring
11. Synchro spring thrust washer
12. 3rd synchro gear and crown
13. 2nd synchro gear and crown
14. 1st and 2nd synchro sleeve
15. 1st and 2nd gear selector fork
16. 1st synchro gear and crown
17. Reverse gear
18. 5th synchro sleeve hub
19. 5th synchro sleeve
20. 5th and reverse gear selector fork
21. Gear change lever
22. 5th synchro gear and crown
23. Oil deflector washer
24. 5th gear bush
25. Distance sleeve
26. Flexible sleeve flange
27. 5th gear and reverse selector rod
28. 3rd and 4th selector rod
29. 1st and 2nd selector fork rod
30. Reverse light switch
31. Gear unit reverse gear
32. Reverse idler gear
33. End plug
34. 5th and reverse gear unit
35. Reverse idler gear shaft
36. Layshaft 1st speed gear
37. 1st synchro baulk ring
38. 1st and 2nd synchro sleeve hub
39. 2nd synchro baulk ring
40. Layshaft 2nd speed gear
41. Layshaft 3rd speed gear
42. 3rd and 4th synchro sleeve hub
43. Layshaft constant mesh gear
44. Circlip
45. Poppet spring

I. Neutral position
II. Beginning of 3rd gear engagement
III. Complete engagement of 3rd gear
TORQUE CONVERTER OPERATION
DIAGRAM

1. Grease seal
2. Thrust ring, input shaft front bearing
3. Front bearing cover
4. Input shaft front bearing
5. Torque converter front cover
6. Top gear
7. Gear engagement clutch hub
8. Gear engagement clutch
9. Low gear
10. Torque converter case
11. Input shaft rear bearing
12. Input shaft
13. Torque converter rear cover
14. Layshaft
15. Layshaft rear bearing
16. Differential rear bearing
17. Rear axle drive shaft retaining ring
18. Rear axle drive shaft bearing
19. Oil slinger
20. Rear axle drive shaft flange
21. Rear axle drive shaft
22. Bearing thrust ring
23. Differential housing
24. Rear axle drive gear
25. Pinion
26. Differential pinion shaft
27. Differential pinion shaft circlip
28. Spring washer
29. Driven gear
30. Differential front bearing circlip
31. Differential lock coupling
32. Front axle drive shaft
33. Front axle casing
34. Circlip, front axle drive shaft bearing
35. Differential front bearing spring washer
36. Differential front bearing
37. Speedometer driven gear
38. Speedometer drive unit housing
39. Layshaft front bearing
40. Gearbox
41. Coupling
42. CV joint
43. Torque converter
44. Shims
45. Bracket, torque converter mounting
46. Bracket, engine rear mounting

I. Top gear engaged
II. Low gear engaged
III. Low gear engaged, differential locked up

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REAR AXLE

1. Road wheel cap
2. Brake drum - to - wheel securing bolt
3. Oil deflector
4. Brake drum
5. Brake drum iron ring
6. Wheel cylinder
7. Brake bleed nipple
8. Half-shaft bearing
9. Bearing locking collar
10. Rear axle beam flange
11. Half-shaft oil seal
12. Coil spring cup
13. Rear axle beam
14. Suspension bar securing bracket
15. Half-shaft guide
16. Differential bearing nut
17. Differential bearing
18. Differential bearing cover
19. Breather
20. Pinion
21. Crown wheel
22. LH halfshaft
23. Halfshaft gear
24. Rear axle reduction gear casing
25. Drive gear shim
26. Bearing spacer sleeve
27. Bearing, pinion
28. Oil seal, pinion
29. Oil seal splash guard
30. Propeller shaft securing flange
31. Nut
32. Oil baffle
33. Pinion, final drive
34. Differential pinion shaft
35. Half-shaft gear thrust washer
36. Differential case
37. RH halfshaft
38. Bracket to secure suspension components
39. Thrust plate, half-shaft bearing
40. Rear brake backplate
41. Rear brake shoe
42. Friction disc
43. Half-shaft flange
44. Bearing nut lockplate
45. Bearing cover securing bolt
FRONT AXLE
1. Differential case
2. Differential pinion
3. Differential pinion shaft
4. Half-shaft gear
5. Crown wheel
6. Bearing cover retaining stud
7. Front axle casing
8. Drain plug
9. Casing lower cover
10. Casing cover
11. Bracket, engine front mounting
12. Front axle securing stud
13. Front axle securing bracket, LH
14. Pinion bearings
15. Pinion, final drive
16. Spacer sleeve
17. Pinion oil seal
18. Oil seal splash guard
19. Pinion flange
20. Flange securing nut
21. Road wheel drive inner joint
22. Inner joint bearing
23. Bearing locating ring
24. Spring washer
25. Circlip
26. Differential bearing adjuster nut
27. Differential bearing
28. Differential bearing
29. Inner joint shell, RH halfshaft
30. Breather
31. Drive gear shim
32. Bearing oil deflector
33. Half-shaft gear thrust washer
34. Filter plug
35. LH half-shaft, inner joint shell
36. Inner joint shell bearing cover
37. Splash guard, joint shell oil seal
38. Oil seal
39. Differential bearing cover
40. Adjuster nut lockplate
STEERING

1. Track rod
2. Drop arm
3. Relay rod
4. Idler arm
5. Tie-rod adjuster pin
6. Lower balljoint
7. Stub axle
8. Upper balljoint
9. Upper shaft bearing
10. Steering wheel mounting bracket
11. Upper shaft
12. Idler bracket
13. RH chassis arm, underbody
14. Lower contact ring
15. Lower contact ring retainer
16. Horn clamp
17. Upper contact ring
18. Horn spring
19. Horn push button
20. Cover plate
21. Lead
22. Upper washer
23. Seal
24. Idler arm shaft bush
25. Lower washer
26. Oil filler plug
27. Protective cap
28. Steering box
29. Steering shaft seal
30. Middle shaft
31. Steering plate, bracket front part
32. Upper column shroud
33. Wipe / wash lever
34. Steering wheel
35. Turn signal lever
36. Headlight lever
37. Lower column shroud
38. Pinch bolt
39. LH chassis arm, underbody
40. End cover
41. Shims
42. Roller spindle, drop arm shaft
43. Thrust washer
44. Roller
45. Adjuster screw plate
46. Lockwasher
47. Adjuster screw
48. Locknut
49. Top cover
50. Worm gear
51. Bearing
52. Worm shaft
53. Oil seal
54. Bush, drop arm shaft
55. Oil seal, drop arm shaft
56. Drop arm shaft
57. Ballpin protective cap
58. Ballpin liner
59. Ballpin
60. Spring
61. End plug
BRAKE MECHANISM

1. Carrier
2. Stub axle
3. Splash guard
4. Caliper
5. Brake hoses
6. Union to expel air
7. Front brake wheel cylinder piston
8. Sealing ring
9. End piece
10. Hose union bolt
11. Piston protective cap
12. Cylinder housing
13. Brake pad
14. Caliper clamping lever
15. Front brake splash guard
16. Brake disc
17. Clamping lever shaft
18. Gaskets
19. Detent
20. Detent spring
21. Clamping lever spring
22. Shoe manual return lever
23. Shaft
24. Shoe abutment plate
25. Wheel cylinder piston
26. Seal
27. Backing cup
28. Spring
29. Retainers
30. Thrust ring
31. Thrust screw
32. Brake fluid inlet union
33. Rear brake bleed screw
34. Rear brake wheel cylinder
35. Dust seal
36. Brake pad
37. Upper return spring
38. Mounting rubber
39. Expander strut
40. Steady post
41. Oil deflector
42. Rear cable end
43. Friction linings
44. Cover plates
45. Rivet
46. Lower return spring
47. Mounting plate
48. Handbrake rear cable
49. Cable return spring
50. Rear cable end
51. Rear brake backplate
52. Cable guide plate
53. Brake shoe
54. Bolt retainer
55. Spring cups
56. Spring
WIRING DIAGRAM FOR ELECTRIC EQUIPMENT OF VAZ 21213 VEHICLE

1. Front lights
2. Headlights
3. Headlight wiper motor
4. Horn
5. Headlight washer motor
6. Windscreen washer motor
7. Alternator
8. Turn indicator side repeater lights
9. Battery
10. Heater unit motor
11. Additional resistor for heater motor
12. Intermittent wiper relay
13. Starter motor
14. Windscreen wiper motor
15. Carburetor limit switch
16. Carburetor electromagnetic valve
17. Carburetor electromagnetic valve control unit
18. Ignition module
19. Spark plugs
20. Ignition distributor
21. Oil pressure warning light sensor
22. Temperature indicator sensor
23. Socket for inspection lamp
24. Ignition coil
25. Brake fluid level warning lamp sensor
26. Headlight wipe/wash relay
27. Heated rear window relay
28. Headlight main beam relay
29. Headlight dipped beam relay
30. Ignition relay
31. Starter "on" relay
32. Differential lock warning lamp switch
33. Exterior lighting switch
34. Cigarette lighter
35. Stop-signal switch
36. Reversing light switch
37. Carburetor limit switch
38. Intermittent direction indicator / hazard warning lights relay
39. Main fuse box
40. Additional fuse box
41. Heater controls illumination bulbs
42. Rear fog light switch
43. Heated rear window switch
44. Rear window wipe/wash switch
45. Hazard warning lights switch
46. Ignition switch
47. Carburetor choke warning lamp
48. Instrument lighting switch
49. Door pillar column switch
50. Choke warning lamp switch
51. Rear window washer motor
52. Door pillar light switch
53. Interior lights
54. Instrument cluster
55. Number plate lights
56. Handbrake warning light switch
57. Fuel level / fuel remainder sensor
58. Tail lights
59. Rear window wiper motor
60. Rear window heating element
A. Pin numbers for column switch connectors
ALTERNATOR 94.3701
(for injection vehicles)

Specification

Maximum current at 13 v and rotor 6000 RPM, A .............. 80
Adjustable range of voltage, v ....... 13.2-14.7
Engine - to - alternator ratio ......... 1 : 2.4
STarter Motor

Specification

Rated power, kW ........................................ 1.3
Current consumption at rated power, A, not greater ........ 260
Current consumption at "brake on", A, not greater .......... 500
Current consumption at idle, A, not greater .............. 60
Rotation direction (drive end) .................. clockwise

1. Armature shaft
2. Bush, starter motor cover
3. Pinion stop collar
4. Driving pinion / clutch inner ring assy
5. Thrust half ring
6. Overrun clutch roller
7. Overrun clutch casing
8. Operating lever pivot pin
9. Plug
10. Relay armature drive link
11. Operating lever
12. Drive-end cover
13. Relay armature return spring
14. Starter motor relay armature
15. Front relay flange
16. Relay holding winding
17. Relay plunging winding
18. Armature core bar
19. Relay core
20. Core flange
21. Contact disc
22. Relay cover
23. Relay contact bolts
24. Commutator and cover
25. Positive brush holder
26. Starter motor cover bush
27. End float shim
28. Lock washer
29. Clamp bolt
30. Casing
31. Stator winding series coils pinout
32. Commutator
33. Stator winding series coil
34. Stator pole
35. Starter motor housing
36. Armature core
37. Limiter plate
38. Drive ring
39. Hub / clutch outer ring
40. Overrun clutch hub liner
41. Ignition switch
42. Alternator
43. Battery
44. Starter motor
45. Starter relay
46. Guide bar
47. Plunger
48. Flywheel

I. Overrun clutch operating diagram
II. Starter motor connection diagram
IGNITION SYSTEM

1. Semiconductor element with integrated circuit
2. Permanent magnet
3. Insulator
4. Ignition coil housing
5. Secondary winding
6. Primary winding
7. Outer magnetic duct
8. Primary winding end 'K' terminal
9. Cover
10. High tension terminal
11. 'K' terminal, primary winding start / secondary winding end
12. Core
13. Contact nut
14. Spark plug insulator
15. Core bar
16. Spark plug body
17. Sealing ring
18. Heat screening washer
19. Centre electrode
20. Side electrode
21. Distributor shaft
22. Shaft oil slinger
23. Socket
24. Diaphragm
25. Vacuum advance cover
26. Vacuum advance housing
27. Vacuum unit operating arm
28. Advance unit bearing plate
29. Distributor rotor
30. Side electrode with terminal for lead to ignition switch
31. Ignition distributor cap
32. Centre electrode with terminal for coil lead
33. Centre electrode carbon contact
34. Centre rotor contact
35. 1000 Ohm resistor for interference suppression
36. Outer rotor contact
37. Centrifugal regulator plate
38. Advance unit governor weight
39. Screen
40. Hall sensor plate
41. Hall sensor
42. Distributor body
43. Oiler body
44. Bearing lock plate
45. Bearing
46. Spark plug
47. Ignition coil
48. Ignition module
49. Ignition relay
50. Ignition switch
51. Vacuum advance unit performance:
   A - timing angle, degrees
   P - vacuum, gPa (Hg mm)
52. Centrifugal advance operation diagram:
   A - ignition timing, degrees
   n - distributor shaft rotation rate, RPM
53. Centrifugal advance operation diagram:
   A - ignition timing
   B - voltage pulses (U) at sensor output
   C - current pulses (I) in ignition coil primary winding; t - current accumulation time
54. Hall sensor operation diagram:
   A - ignition timing, degrees
   n - distributor shaft rotation rate, RPM
55. Ignition system diagram

I. Vacuum advance unit performance:
   A - timing angle, degrees
   P - vacuum, gPa (Hg mm)

II. Centrifugal advance unit performance:
   A - ignition timing
   n - distributor shaft rotation rate, RPM

III. Centrifugal advance operation diagram:
   A - ignition timing
   B - voltage pulses (U) at sensor output
   C - current pulses (I) in ignition coil primary winding; t - current accumulation time

IV. Hall sensor operation diagram:
   A - ignition timing, degrees
   n - distributor shaft rotation rate, RPM

V. Ignition system diagram
WINDSCREEN WIPER

1. Linking rod
2. LH operating arm
3. Inner mounting bush
4. Outer mounting bush
5. Shaft
6. Bushes
7. Felt
8. Bracket
9. Wiper arm
10. RH operating arm
11. Yoke
12. Wiper gear motor
13. Crank
14. Connecting rod
15. Spacer spring
16. Inserts
17. Relay casing
18. Relay armature
19. Conductive plate
20. Contact mounting plate
21. Base plate
22. Relay winding
23. Resistor
24. Breaker bracket
25. Breaker bimetal plate
26. Gear shaft
27. Gear motor wheel
28. Spring plate
29. 30 - Contact posts
31. Cover
32. Armature shaft
33. Gear motor cover
34. Blade
35. Blade holder
36. Permanent magnet
37. Felt ring
38. Thrust bearing
39. Bush
40. Housing
41. Armature, motor
42. Cover securing plate
43. Commutator
44. Windscreen washer motor
45. Windscreen wiper motor
46. Thermal bimetal fuse
47. Ignition switch
48. Ignition relay
49. Fuse box
50. Windscreen wiper/wash switch
51. Intermittent wiper relay

A. Pin numbers in relay / wiper motor connector
B. Pin numbers in wiper switch connector
I. Wiper gear motor M3-241
II. Windscreen wiper relay PC-514
III. Operation diagram of windscreen wiper / wash motors
BODY FITTINGS

1. Front seat cushion
2. Operating rod, seat back fold-down
3. Head restraint guide
4. Front seat back
5. Head restraint
6. Knob, seat back fold-down
7. Head restraint framework
8. Rear seat back
9. Seat back base
10. Trim

11. Seat back brace
12. Seat back stop
13. Grommet
14. Rear seat cushion
15. Base-plate
16. Cushion pan
17. Hinge
18. Seat back rake adjuster
19. Retainer
20. Side trim
21. Front seat trim
22. Seat slide

23. Stop
24. Roller
25. Seat back with catch
26. Seat back crossmember
27. Adjuster handle, seat sliding
28. Cushion framework
29. Door inner handle
30. Handle bracket
31. Inner handle operating link
32. Inner control lever
33. Locking rod
34. Outer control lever
35. Lock striker retainer
36. Lock striker
37. Rotor
38. Centre shaft mounting
39. Lock release rod
40. Lock release shaft
41. Centre shaft
42. Ratchet
43. Handle trim cover
44. Operating shaft
45. Surround
46. Brake spring dog

47. Drum / driven gear
48. Window winder cover
49. Window winder mechanism
50. Cable
51. Door glass
52. Rollers
53. Window glass support channel
54. Cable retainer
55. Pinion
56. Drive shaft mounting
57. Brake spring
58. Winder handle
59. Control cable
60. Spring
61. Pusher
62. Hook
63. Lock housing
64. Operating handle
65. Bracket
66. Operating rod
67. Return arm
68. Arm
69. Lock housing
70. Rotor

I. Seats
II. Front door lock
III. Bonnet lock
IV. Tailgate lock
V. Window winder
HEATING AND VENTILATION.

WIPER/WASHER.

I. Washer locations

II. Windscreen and tailgate washer jet

III. Tailgate washer pump and fluid container

IV. Windscreen and headlight washer pump and fluid container

V. Ventilation system operation diagram

VI. Heater unit

1. Washer jet
2. Tailgate washer fluid container
3. Windscreen/headlight washer fluid container
4. Gasket
5. Atomizer
6. Jet body
7. Tailgate washer pump motor
8. Windscreen washer pump motor
9. Headlight washer pump motor
10. Side vent
11. Side vent air duct
12. Windscreen defroster air duct
13. Air intake cover
14. Gasket
15. Supply and return pipes
16. Tap
17. Radiator
18. Impeller
19. Air distributor cover
20. Fan motor
21. Fan spring holder
22. Control cable
23. Windscreen vent flap control cable
24. Bracket, control levers
25. Air intake shutter control lever
26. Windscreen vent shutter control lever
27. Tap control lever
28. Air intake cover control cable
29. Centre vents
30. Rubber valve
31. Air box
32. Centre vent shutter
WIRING DIAGRAM FOR INJECTION SYSTEM (GM)

1. Air temperature sensor
2. Idle speed adjuster
3. Electronic control unit (ECU)
4. Octane-rating potentiometer
5. Spark plugs
6. Ignition module
7. Crankshaft sensor
8. Fuel pump motor and fuel level sensor
9. Instrument cluster including tachometer and 'Check Engine' light
10. Main fuse box
11. Speed sensor
12. Diagnostic plug
13. Injector
14. Canister purge valve
15. Injection system fuse box
16. Ignition relay
17. Electric fuel pump 'on' relay
18. Intake manifold preheating relay
19. Intake manifold preheater
20. Intake manifold preheating fuse
21. Oxygen sensor
22. Coolant temperature sensor
23. Throttle position sensor
24. Manifold absolute pressure (MAP) sensor

A. To battery '+' terminal
B. To ignition switch '15' terminal
1 - Injectors; 2 - Spark Plugs; 3 - Ignition Module; 4 - Data Link Connector (DLC); 5 - Electronic Control Module (ECM); 6 - Fusebox; 7 - Main Relay; 8 - Electric Fan Relay; 9 - Cooling Fans Motors; 10 - Mass Air Flow (MAF) and Intake Air Temperature (IAT) Sensor; 11 - Throttle Position (TP) Sensor; 12 - Engine Coolant Temperature (ECT) Sensor; 13 - Idle Air Control (IAC) Valve; 14 - Heated Oxygen Sensor (HO2S); 15 - Knock Sensor (KS); 16 - Crankshaft Position (CKP) Sensor; 17 - EVAP Purge Solenoid; 18 - Immobilizer Control Module; 19 - Immobilizer System Key Reader; 20 - Vehicle Speed Sensor (VSS); 21 - Fuel Pump Relay; 22 - Electric Fuel Pump with Fuel Level Sensor; 23 - Instrument Panel Connector; A - to battery terminal «+»; B - to courtesy light switch electric connector; C - to white/black wire disconnected from the courtesy light switch; G1, G2 - Ground Connections.

Alongside letter code of wire color this diagram also has digital marking indicating the number of electrical component to which the wire should be connected, e.g. «-3-». Marking «-S7-» or «-SA-» means that the wire should be connected to component #7 or A, as indicated on the wiring diagram, through the connection not shown on the diagram.

Important:
A different sequence of fuses may be used while assembling the vehicle.