

### FRONT SUSPENSION

- 1. Lower control arm
- 2. Crossmember bracket
- 3. Coil spring lower seat
- 4. Coil spring
- 5. Compression buffer
- 6. Compression buffer mount strut
- 7. Compression restrictor
- 8. Shock absorber mounting bracket
- 9. Shock absorber
- 10. Anti-roll bar securing clamp
- 11. Anti-roll bar mounting rubber

- 12. Anti-roll bar
- 13. Lower balljoint
- 14. Wheel brake splash guard
- 15. Brake disc
- 16. Wheel hub
- 17. Wheel - to - brake disc securing bolt
- 18. Taper bush
- 19. Wheel cap
- 20. Outer CV joint shank
- 21. Oil seal bush
- 22. Oil seal
- 23. Splash guard ring
- 24. Wheel hub bearing

- 25. Stub axle
- 26. Ballpin
- 27. Boot
- 28. Bearing
- 29. Ballpin liner race
- 30. Ballpin bearing housing
- 31. Body chassis arm
- 32. Anti-roll bar securing plate
- 33. Tie-rod
- 34. Body-to-tie-rod mounting bracket
- 35. Washers
- 36. Upper balljoint
- 37. Shock absorber rod mounting bushes

- 38. Shock absorber rod
- 39. Securing washer
- 40. Upper securing bracket, shock absorber
- 41. Upper control arm
- 42. Recoil buffer bracket
- 43. Recoil buffer
- 44. Suspension upper arm shaft
- 45. Upper arm shaft securing bolts
- 46. Shims
- 47. Upper spring mounting
- 48. Upper spring seat
- 49. Spring insulator gasket
- 50. Crossmember-to-tie-rod securing bracket

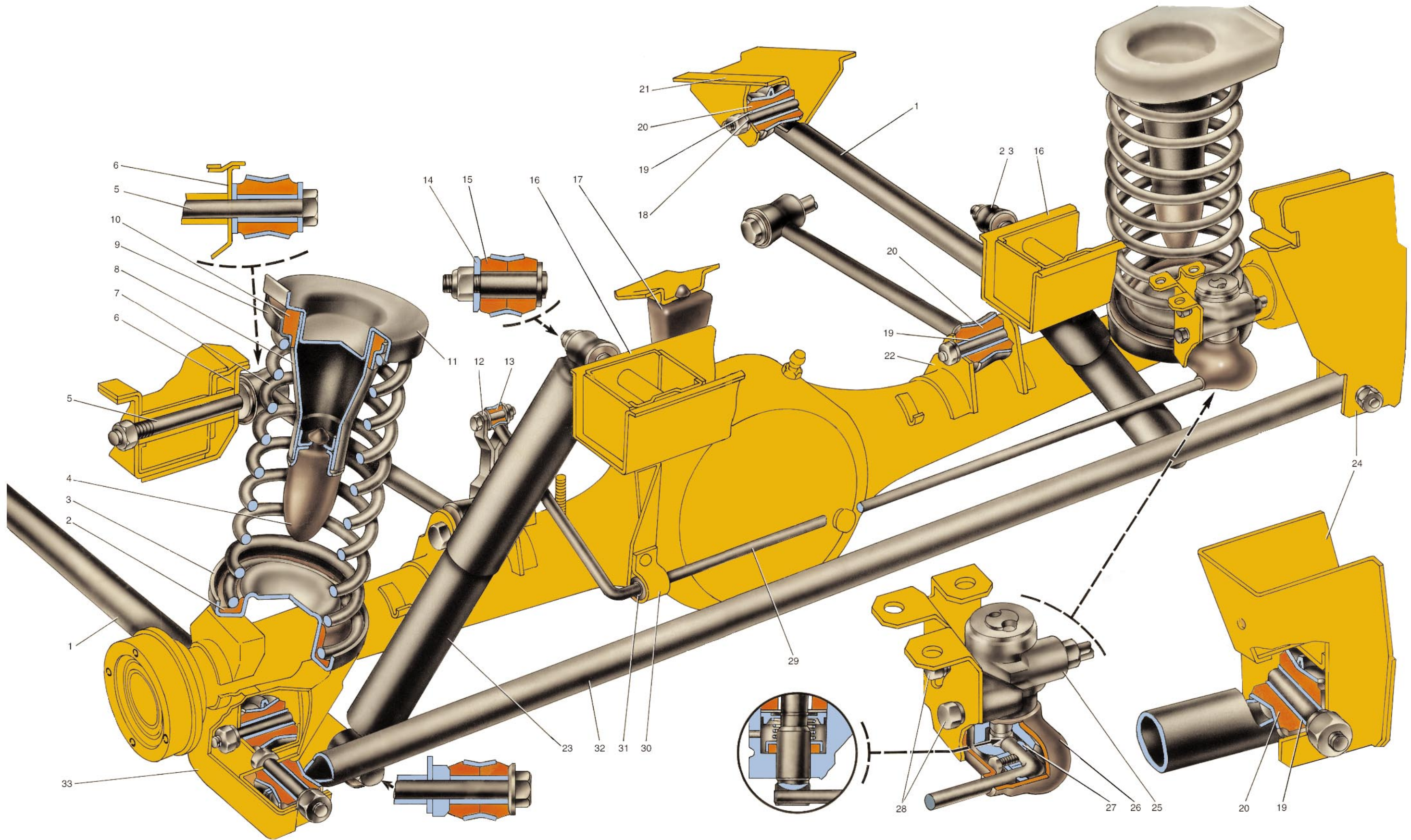
- 51. Front suspension crossmember
- 52. Lower control arm shaft bush
- 53. Lower control arm washes
- 54. Lower arm silent block
- 55. Lower control arm shaft
- 56. Lower control arm shaft thrust washer
- 57. Balljoint rubber bush
- 58. Balljoint sleeve, inner
- 59. Balljoint sleeve, outer
- 60. Balljoint thrust washer

I. Camber ( $\alpha = 0^{\circ}30' \pm 20'$ ) and inclination ( $\beta = 11^{\circ}30'$ ) angles D - C = 1 ... 5 mm

II. Toe-in A - B = 2 ... 4 mm

III. Caster angle ( $\gamma = 3^{\circ}30' \pm 30''$ )

All wheel adjustment parameters are given for the vehicle loaded with 3136 N (320 kgf) being equal to 4 people weight and 392 N (40kgf) boot luggage.



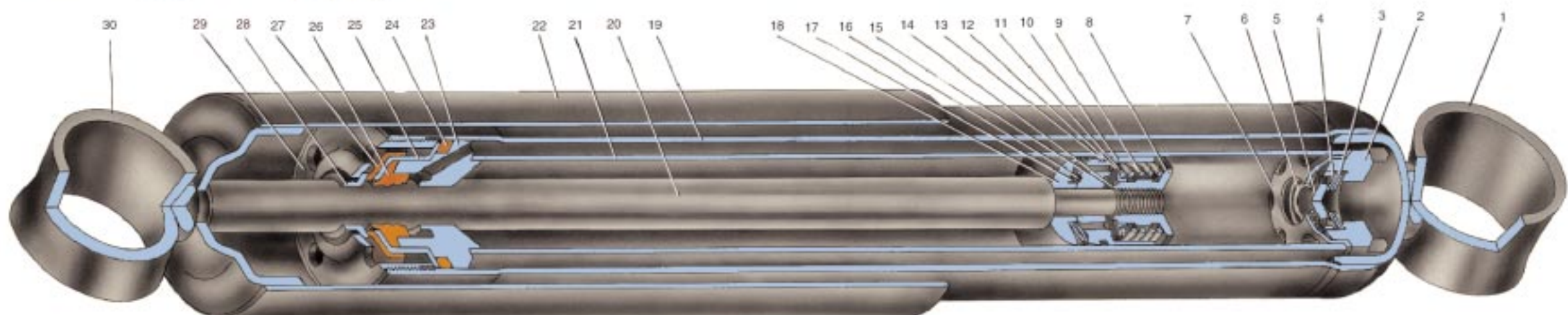
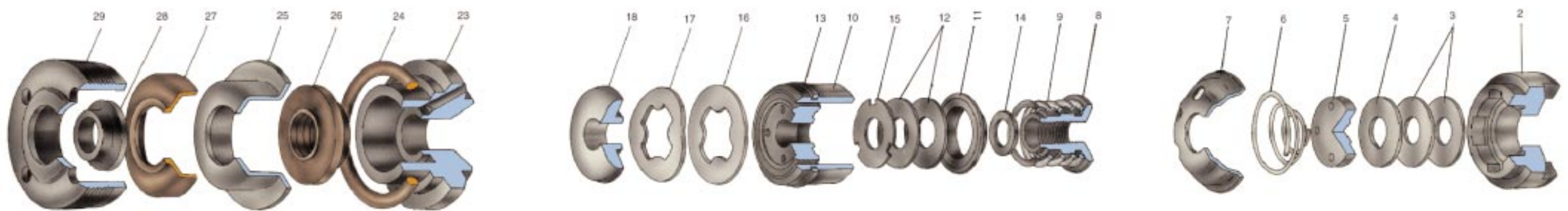
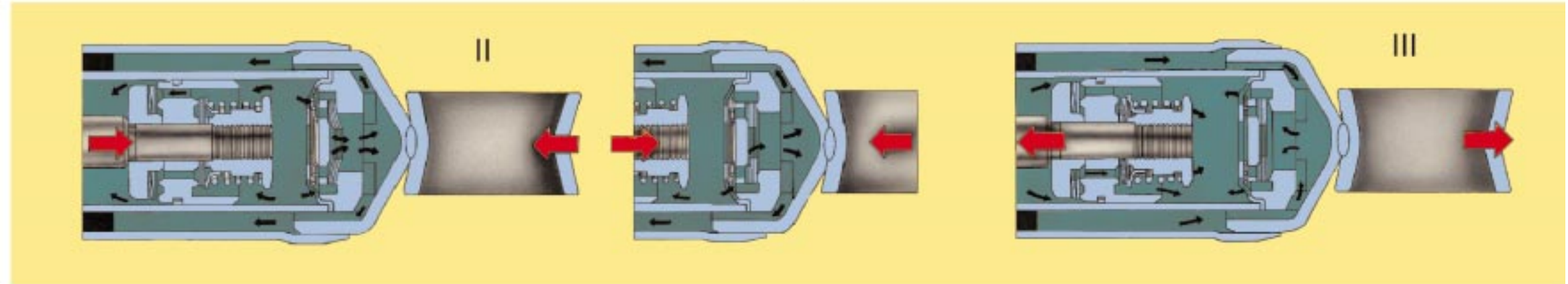
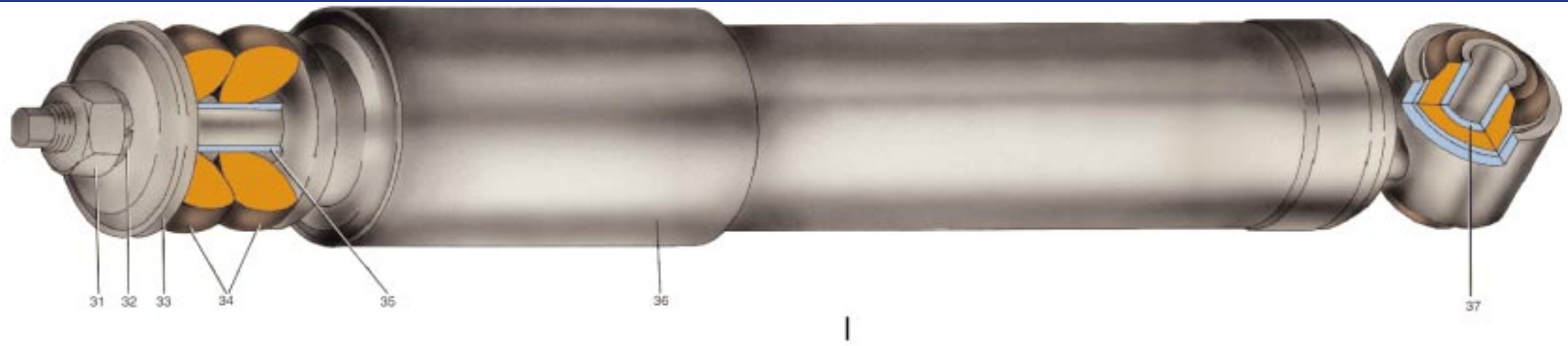
**REAR SUSPENSION**

- 1. Lower transverse arm
- 2. Spring insulating gasket, lower
- 3. Spring seat, lower
- 4. Compression buffer
- 5. Upper longitudinal arm securing bolt
- 6. Upper longitudinal mounting bracket
- 7. Coil spring

- 8. Compression buffer mount
- 9. Spring insulator collar, upper
- 10. Spring insulator, upper
- 11. Spring seat, upper
- 12. Rear brake pressure regulator operating rod link
- 13. Rubber bush
- 14. Shock absorber securing pin washer
- 15. Shock absorber eye rubber bush
- 16. Underbody crossmember

- 17. Additional compression buffer
- 18. Spring washer
- 19. Spacer sleeve
- 20. Rubber bush
- 21. Lower longitudinal arm mounting bracket
- 22. Upper longitudinal arm mounting bracket
- 23. Shock absorber
- 24. Body-to-transverse arm mounting bracket
- 25. Pressure regulator

- 26. Boot, pressure regulator
- 27. Operating rod shaft, pressure regulator
- 28. Securing bolts
- 29. Pressure regulator operating rod
- 30. Clamp
- 31. Thrust bush
- 32. Transverse arm
- 33. Mounting plate, transverse arm mounting bracket



**SHOCK ABSORBERS**

- 1. Shock absorber eye, lower
- 2. Compression valve housing
- 3. Compression valve discs
- 4. Compression valve throttle disc
- 5. Compression valve cap

- 6. Compression valve spring
- 7. Compression valve retainer
- 8. Recoil valve nut
- 9. Recoil valve spring
- 10. Shock absorber piston
- 11. Recoil valve cap
- 12. Recoil valve discs

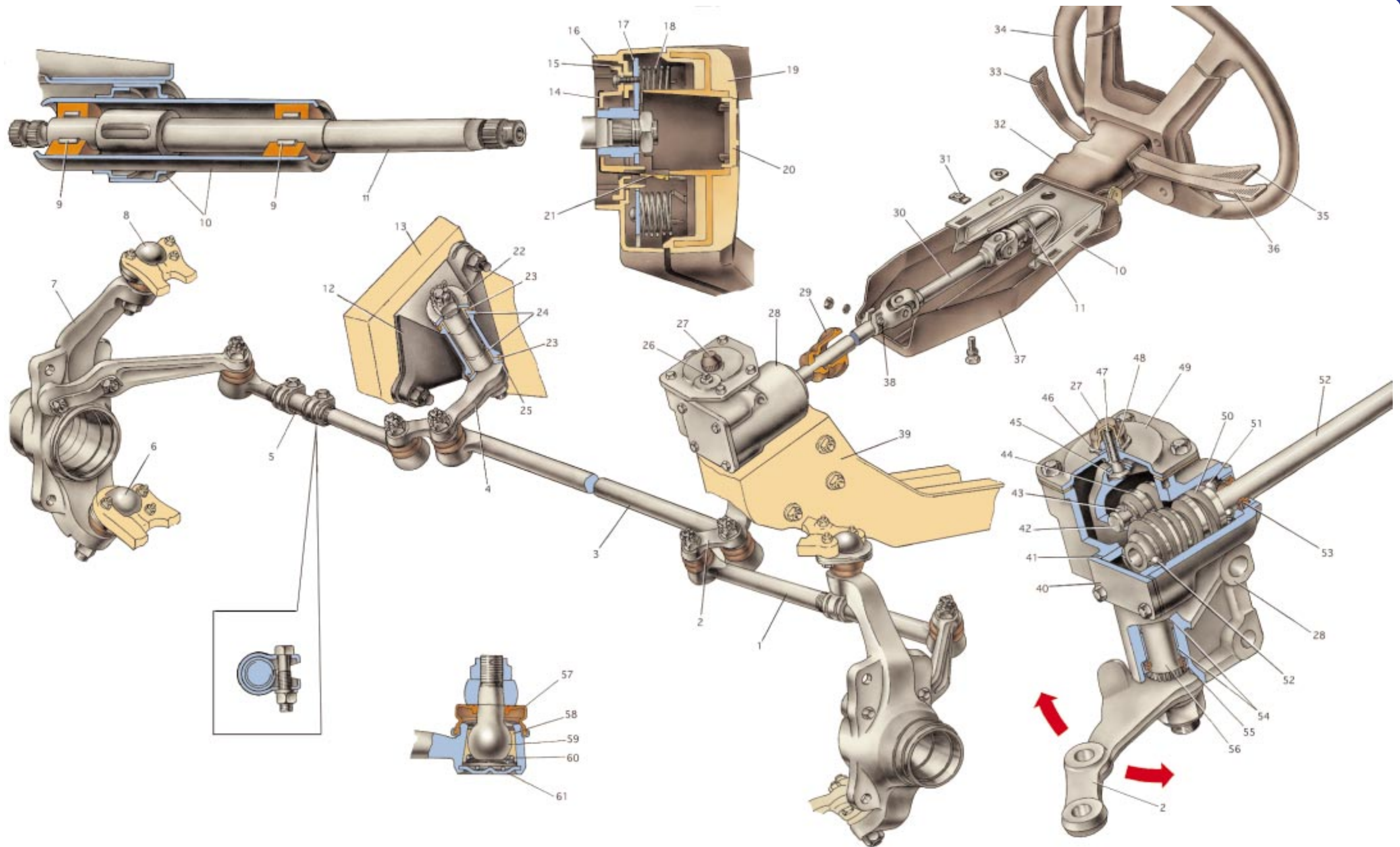
- 13. Piston ring
- 14. Recoil valve nut washer
- 15. Recoil valve throttle disc
- 16. By-pass valve cap
- 17. By-pass valve spring
- 18. By-pass valve restricting plate
- 19. Reservoir

- 20. Rod
- 21. Cylinder
- 22. Casing
- 23. Guide sleeve
- 24. Reservoir sealing ring
- 25. Oil seal retainer
- 26. Oil seal

- 27. Gasket
- 28. Guard ring
- 29. Reservoir nut
- 30. Shock absorber eye, upper
- 31. Upper shock absorber end securing nut
- 32. Spring washer

- 33. Washer
- 34. Mounting rubber
- 35. Spacer sleeve
- 36. Shock absorber casing
- 37. Silent block

- I. Shock absorber operation diagram
- II. Compression stroke
- III. Recoil stroke



**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

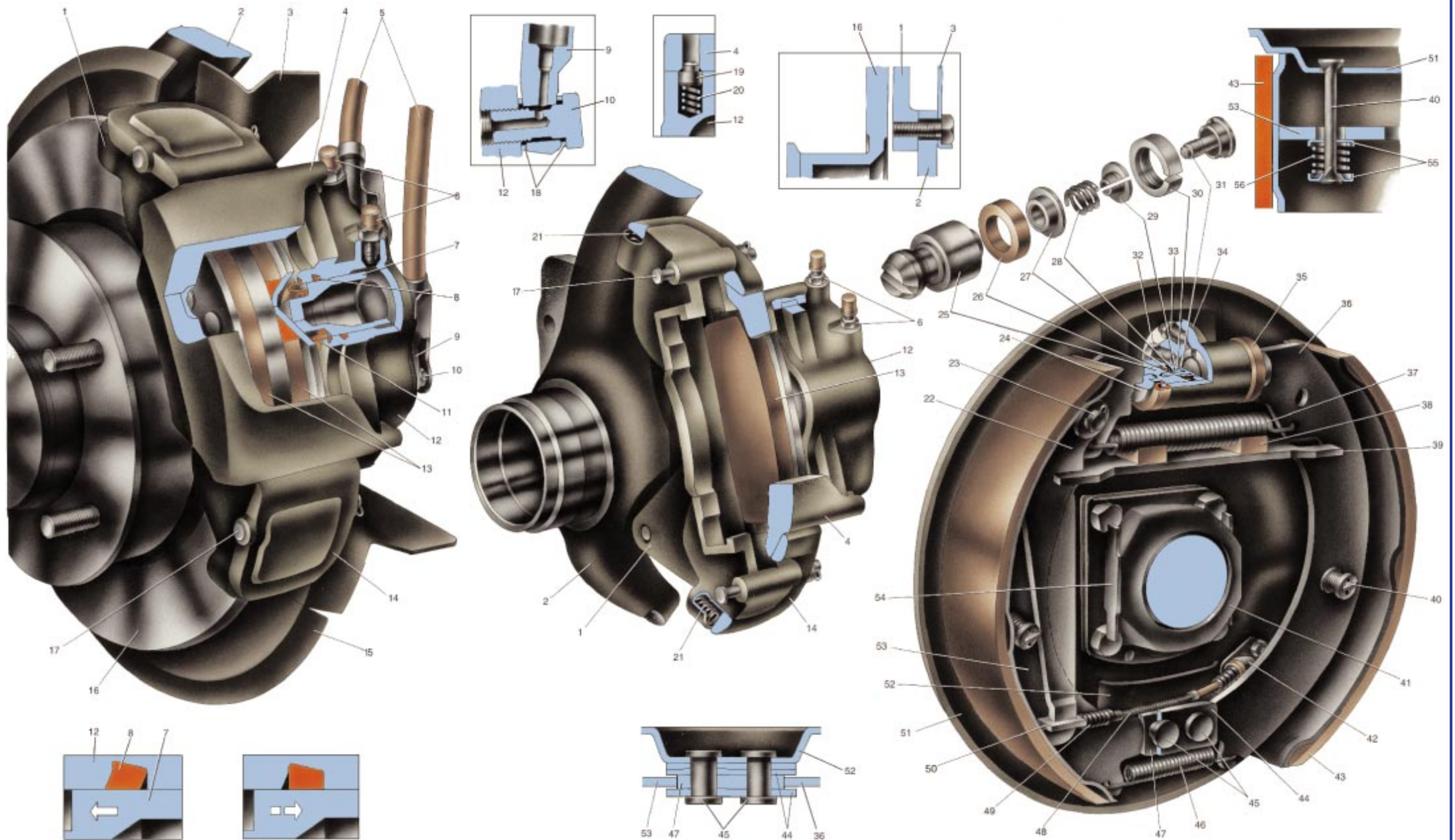
- 19. Horn push button
- 20. Cover plate
- 21. Lead
- 22. Upper washer
- 23. Seal
- 24. Idler arm shaft bush
- 25. Lower washer
- 26. Oil filler plug
- 27. Protective cap
- 28. Steering box

- 29. Steering shaft seal
- 30. Middle shaft
- 31. Securing 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

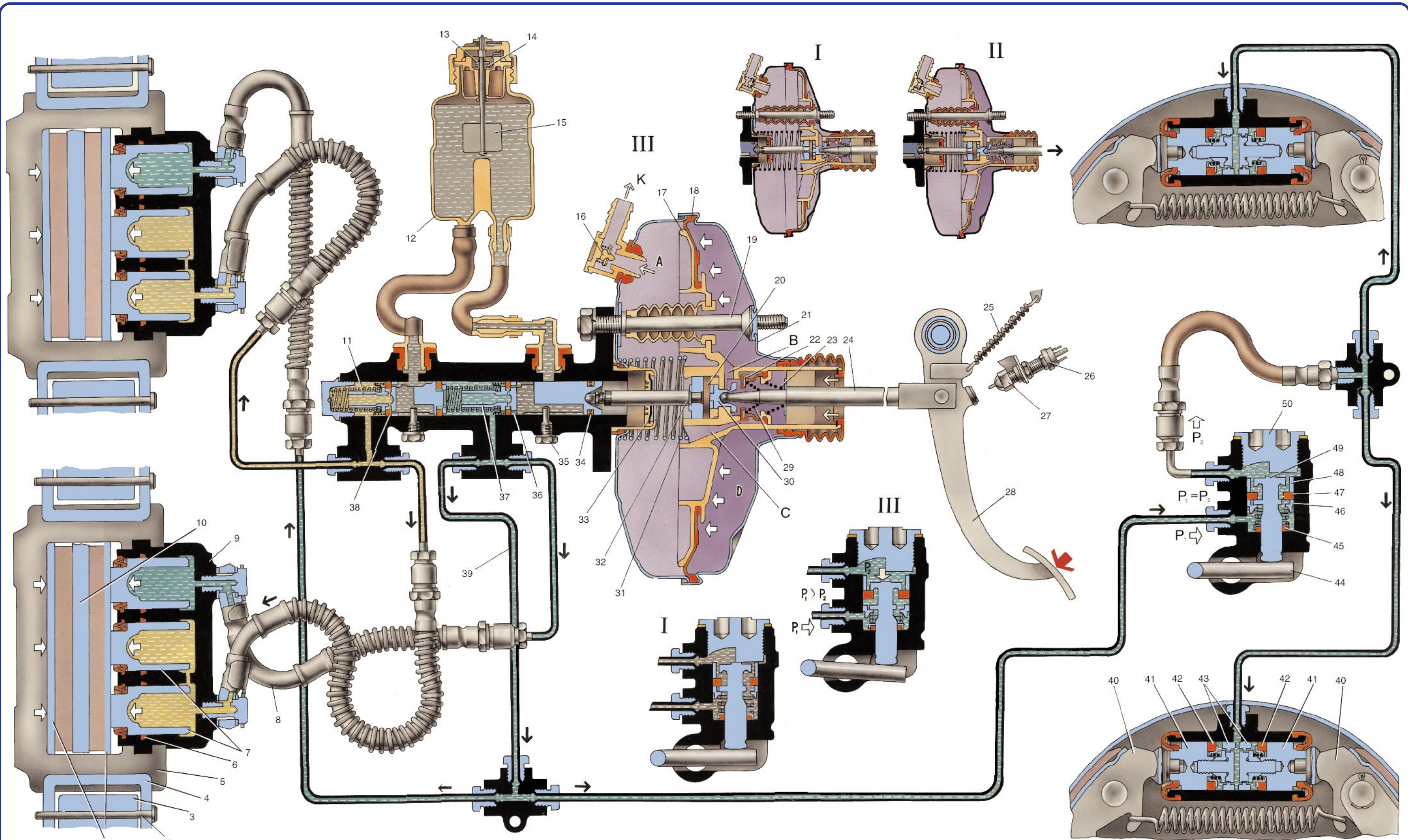
- 49. Top cover
- 50. Worm gear
- 51. Bearing
- 52. Worm shaft
- 53. Oil seal
- 54. Bush, drop arm shaft
- 55. Oil seal, drop arm shaft
- 56. Drop arm shaft
- 57. Ballpin protective cap
- 58. Ballpin liner

- 59. Ballpin
- 60. Spring
- 61. End plug



**BRAKE MECHANISM**

- |   |   |   |  |  |  |
|---|---|---|--|--|--|
| <ul style="list-style-type: none"> <li>1. Carrier</li> <li>2. Stub axle</li> <li>3. Splash guard</li> <li>4. Caliper</li> <li>5. Brake hoses</li> <li>6. Union to expel air</li> <li>7. Front brake wheel cylinder piston</li> <li>8. Sealing ring</li> <li>9. End piece</li> </ul> | <ul style="list-style-type: none"> <li>10. Hose union bolt</li> <li>11. Piston protective cap</li> <li>12. Cylinder housing</li> <li>13. Brake pad</li> <li>14. Caliper clamping lever</li> <li>15. Front brake splash guard</li> <li>16. Brake disc</li> <li>17. Clamping lever shaft</li> <li>18. Gaskets</li> <li>19. Detent</li> <li>20. Detent spring</li> </ul> | <ul style="list-style-type: none"> <li>21. Clamping lever spring</li> <li>22. Shoe manual return lever</li> <li>23. Shaft</li> <li>24. Shoe abutment plate</li> <li>25. Wheel cylinder piston</li> <li>26. Seal</li> <li>27. Backing cup</li> <li>28. Spring</li> <li>29. Retainers</li> <li>30. Thrust ring</li> <li>31. Thrust screw</li> </ul> | <ul style="list-style-type: none"> <li>32. Brake fluid inlet union</li> <li>33. Rear brake bleed screw</li> <li>34. Rear brake wheel cylinder</li> <li>35. Dust seal</li> <li>36. Brake pad</li> <li>37. Upper return spring</li> <li>38. Mounting rubber</li> <li>39. Expander strut</li> <li>40. Steady post</li> <li>41. Oil deflector</li> <li>42. Rear cable end</li> </ul> | <ul style="list-style-type: none"> <li>43. Friction linings</li> <li>44. Cover plates</li> <li>45. Rivet</li> <li>46. Lower return spring</li> <li>47. Mounting plate</li> <li>48. Handbrake rear cable</li> <li>49. Cable return spring</li> <li>50. Rear cable end</li> <li>51. Rear brake backplate</li> <li>52. Cable guide plate</li> <li>53. Brake shoe</li> </ul> | <ul style="list-style-type: none"> <li>54. Bolt retainer</li> <li>55. Spring cups</li> <li>56. Spring</li> </ul> |
|---|---|---|--|--|--|



**BRAKE OPERATION DIAGRAM**

- 1. Brake pads
- 2. Hold-down lever shaft
- 3. Carrier
- 4. Caliper hold-down lever
- 5. Caliper
- 6. Piston sealing ring
- 7. Wheel cylinder pistons, primary circuit
- 8. Brake hose, secondary circuit
- 9. Cylinder housing

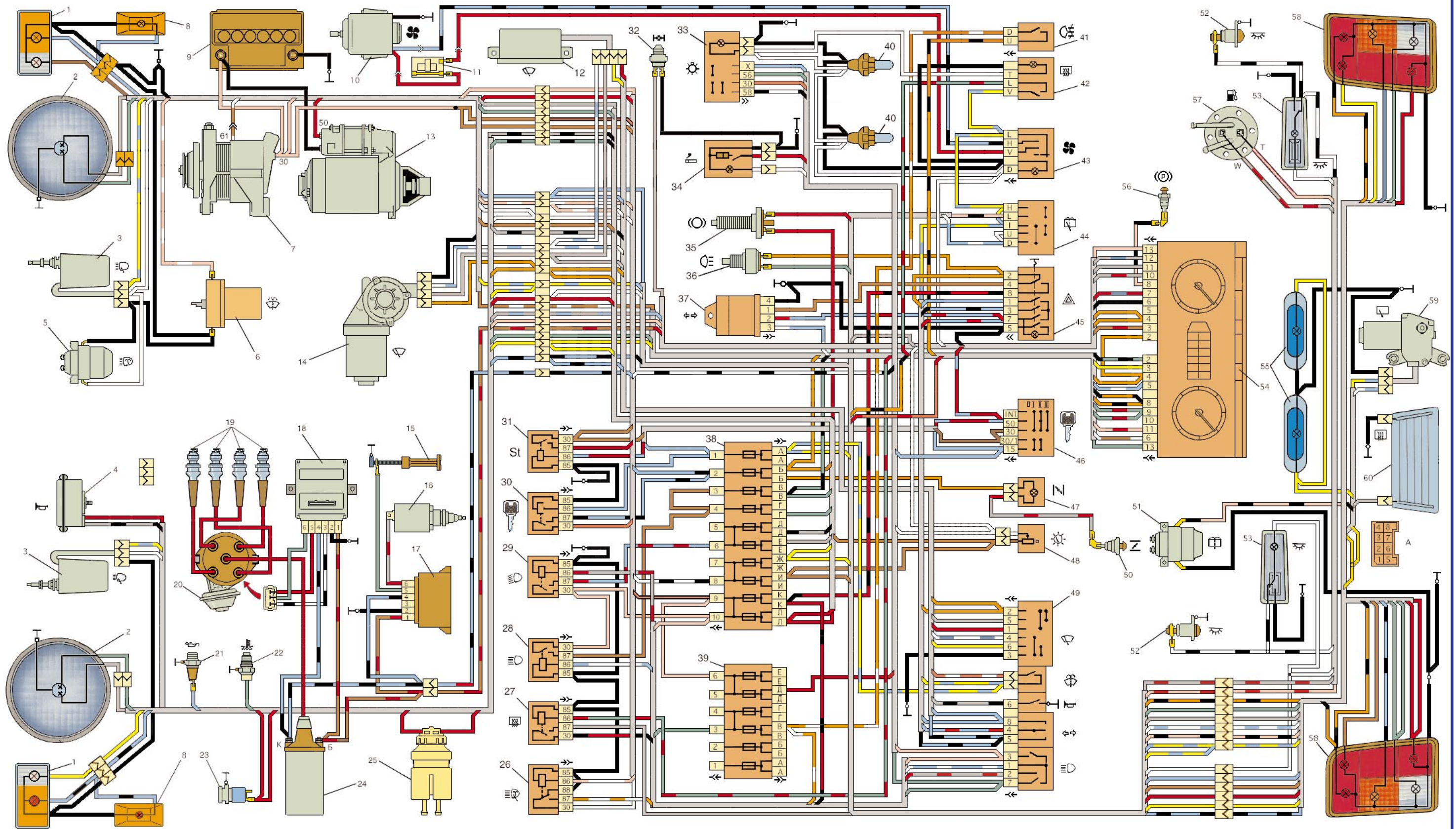
- 10. Brake disc
- 11. Master cylinder primary circuit operating piston
- 12. Hydraulic fluid reservoir
- 13. Sliding contact
- 14. Fixed contact
- 15. Float
- 16. Vacuum valve
- 17. Servo unit valve housing
- 18. Diaphragm
- 19. Tie-rod

- 20. Reaction disc
- 21. Rear shell
- 22. Vacuum unit valve
- 23. Return spring
- 24. Input rod
- 25. Pedal return spring
- 26. Stop light switch
- 27. Stop light switch tip
- 28. Brake pedal
- 29. Valve spring
- 30. Piston

- 31. Valve housing return spring
- 32. Output rod
- 33. Retainer
- 34. Sealing ring
- 35. Piston stroke limiter screw
- 36. Bush
- 37. Secondary circuit operating piston
- 38. Seal
- 39. Secondary circuit pipeline
- 40. Brake shoes
- 41. Rear brake wheel cylinder piston

- 42. Piston seal
- 43. Thrust rings
- 44. Pressure regulator operating rod
- 45. Sealing ring
- 46. Spring seat
- 47. Piston head seal
- 48. Bush
- 49. Pressure regulator piston
- 50. End plug

- A. Vacuum cavity
- B. Atmosphere - to - valve inner cavity port
- C. Valve inner cavity - to - vacuum port
- K. To engine intake pipe
- D. Atmospheric cavity
- I. Brake pedal released
- II. Brake off
- III. Brake applied



**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

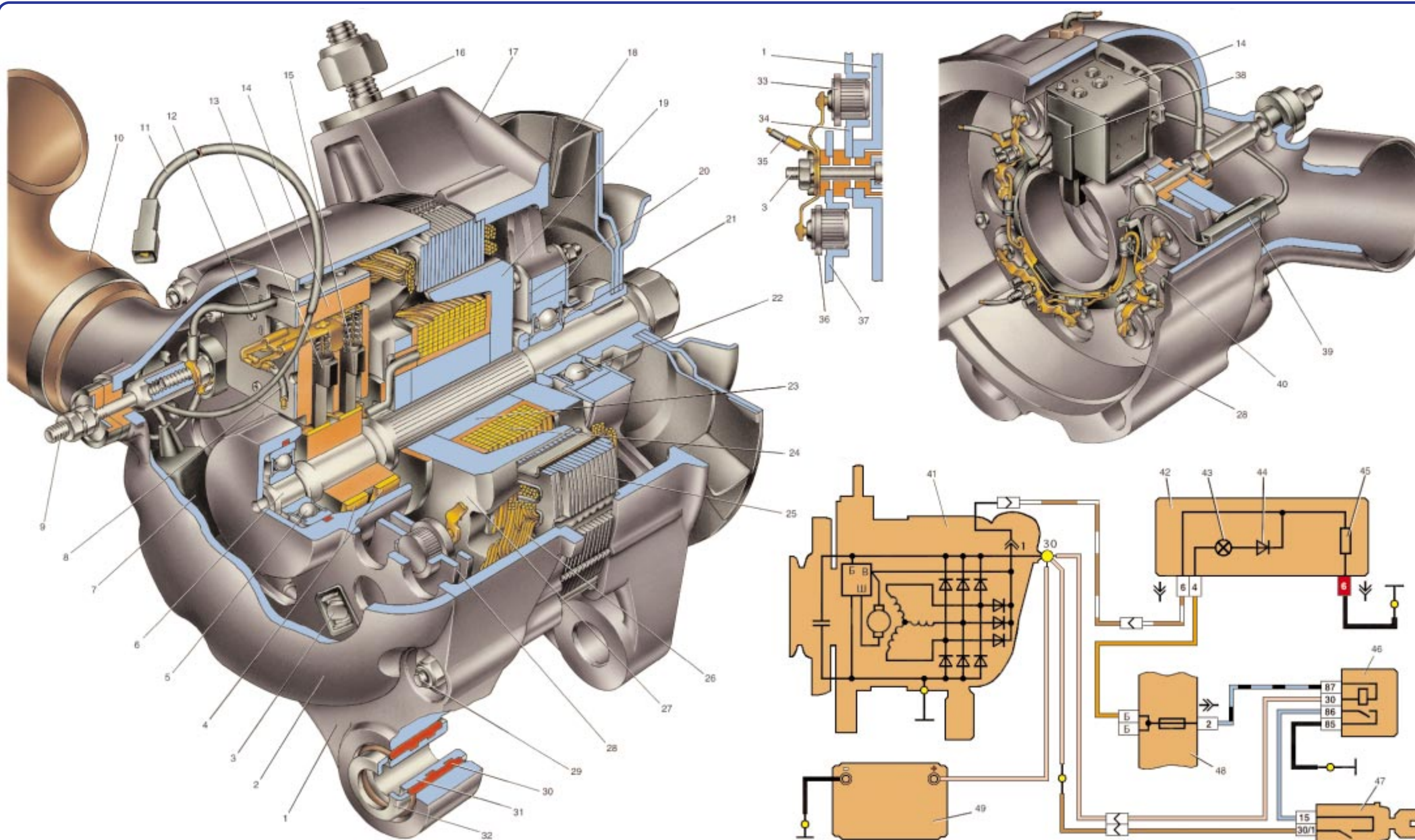
- 8. Turn indicator side repeater lights
- 9. Battery
- 10. Heater unit motor
- 11. Additional resistor for heater motor
- 12. Intermittent wiper relay
- 13. Starter motor
- 14. Windscreen wiper motor
- 15. Carburettor limit switch
- 16. Carburettor electromagnetic valve
- 17. Carburettor electromagnetic 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 wiper/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. Intermittent direction indicator / hazard warning lights relay
- 38. Main fuse box
- 39. Additional fuse box
- 40. Heater controls illumination bulbs
- 41. Rear fog light switch

- 42. Heated rear window switch
- 43. Heater motor switch
- 44. Rear window wipe/wash switch
- 45. Hazard warning lights switch
- 46. Ignition switch
- 47. Carburettor choke warning lamp
- 48. Instrument lighting switch
- 49. 3-lever 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**

**Specification**

Max.current at 13 V and rotor rate 5,000 RPM, A . . . . .55  
 Adjustable range of voltage, V . . . . .14.1 ± 0.5  
 Engine-to-alternator ratio . . . . .1 : 2.04

- 1. Slip ring end housing
- 2. Casing
- 3. Securing bolt, diode plate-to-stator winding phased pins

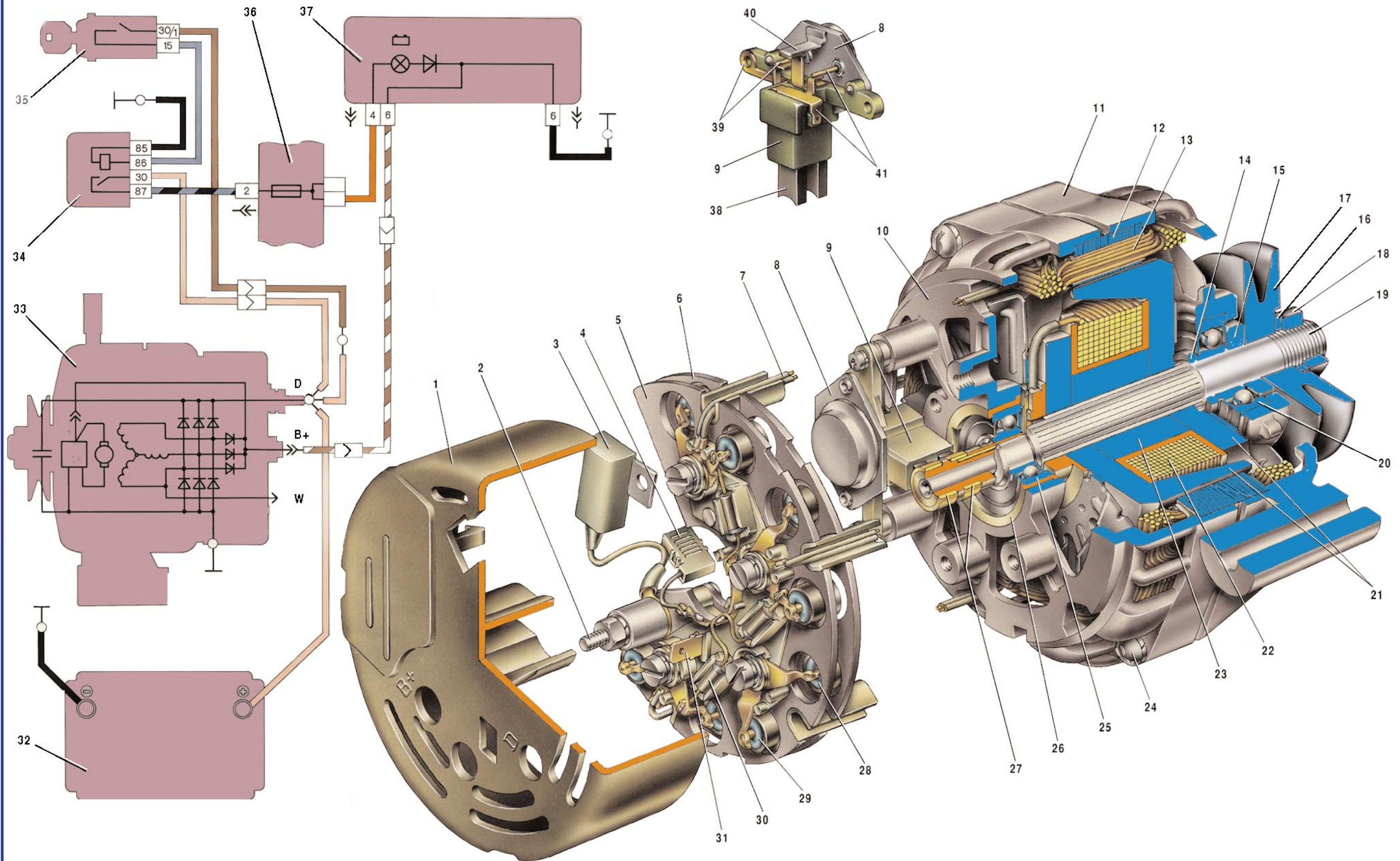
- 4. Slip rings
- 5. Armature shaft ballbearing, slip ring end
- 6. Rotor shaft
- 7. Condenser 2.2 uF± 20%
- 8. Common output lead, supplementary diodes
- 9. Terminal bolt extension (alternator '30' output for power consumption)
- 10. Air intake
- 11. Alternator output '61' lead
- 12. Voltage regulator output 'B' lead
- 13. Brush connected to voltage regulator 'B' output
- 14. Voltage regulator

- 15. Brushes connected to voltage regulator 'Ш' output
- 16. Alternator - to - tensioner securing stud
- 17. Drive end housing
- 18. Fan impeller with alternator pulley
- 19. Rotor pole tip, drive end
- 20. Bearing securing washers
- 21. Spacer
- 22. Rotor shaft ballbearing, drive end
- 23. Steel sleeve
- 24. Rotor winding (field winding)
- 25. Stator
- 26. Stator winding

- 27. Rotor pole face, slip ring end
- 28. Rectifier unit
- 29. Alternator pinch bolt
- 30. Buffer bush
- 31. Bush
- 32. Hold-down bush
- 33. Negative gate with "-" rectified current on the housing
- 34. Negative gate retainer
- 35. Stator winding phase pinout
- 36. Positive gate with "+" rectified current on the housing
- 37. Positive gate retainer
- 38. Brush holder

- 39. '61' output (common output of supplementary diodes)
- 40. Supplementary diode (for field winding)
- 41. Alternator
- 42. Instrument cluster
- 43. Battery charge warning light
- 44. Diode
- 45. Resistor 51 Ohm 5 W
- 46. Ignition relay
- 47. Ignition switch
- 48. Main fuse box
- 49. Battery



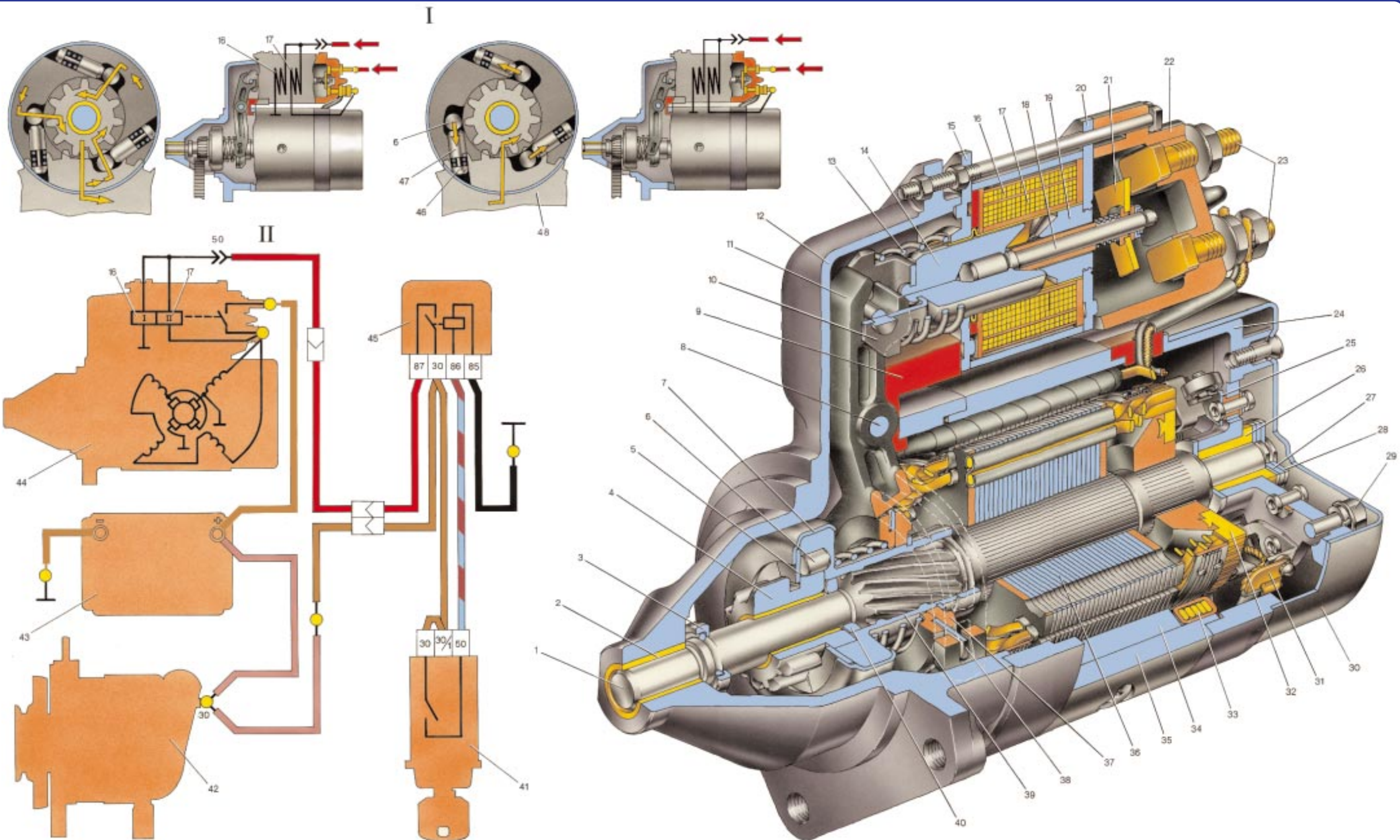


**ALTERNATOR 94.3701  
(for injection vehicles)**

**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

- |   |                    |                                |   |                                       |
|---|--------------------|--------------------------------|---|---------------------------------------|
| 1. Housing  | 9. Brush holder    | 18. Nut                        | 27. Slip rings  | 35. Ignition switch                   |
| 2. "B+" terminal for power consumption  | 10. Rear cover     | 19. Rotor shaft                | 28. Negative diode                                      | 36. Fusebox                           |
| 3. Interference suppression capacitor 2.2 uF  | 11. Front cover    | 20. Rotor shaft bearing, front | 29. Positive diode                                      | 37. Battery charge warning light      |
| 4. Common terminal of additional diodes (connected to "D+" terminal of voltage regulator) | 12. Stator core    | 21. Rotor pole ends            | 30. Additional diode                                    | 38. Brush                             |
| 5. Holder for rectifier positive diodes   | 13. Stator winding | 22. Rotor winding              | 31. "D" terminal (common terminal of additional diodes) | 39. Earth terminal, voltage regulator |
| 6. Holder for rectifier negative diodes   | 14. Spacer         | 23. Bush                       | 32. Battery   | 40. "DF" terminal, voltage regulator  |
| 7. Stator winding terminals   | 15. Washer         | 24. Clamp screw                | 33. Alternator  | 41. "D+" terminal, voltage regulator  |
| 8. Voltage regulator  | 16. Taper washer   | 25. Rotor bearing, rear        | 34. Ignition relay                                      |                                       |
|   | 17. Pulley         | 26. Bush, bearing              |   |                                       |



**STARTER MOTOR**

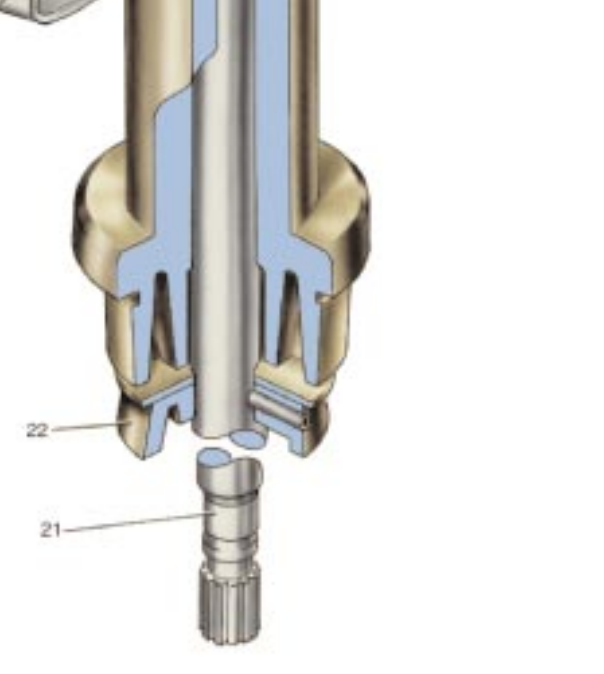
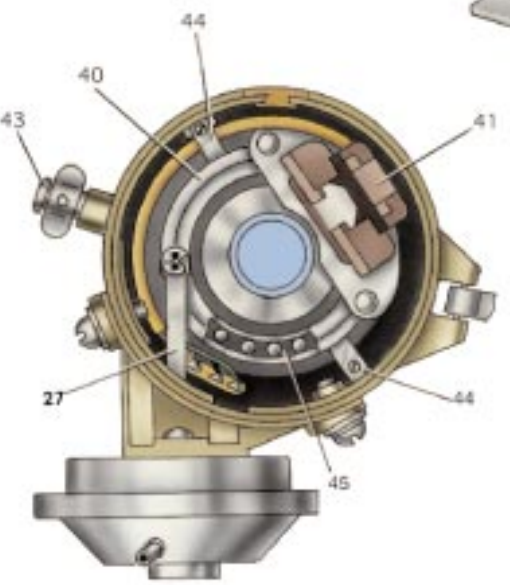
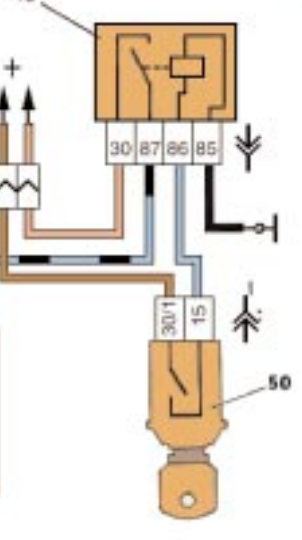
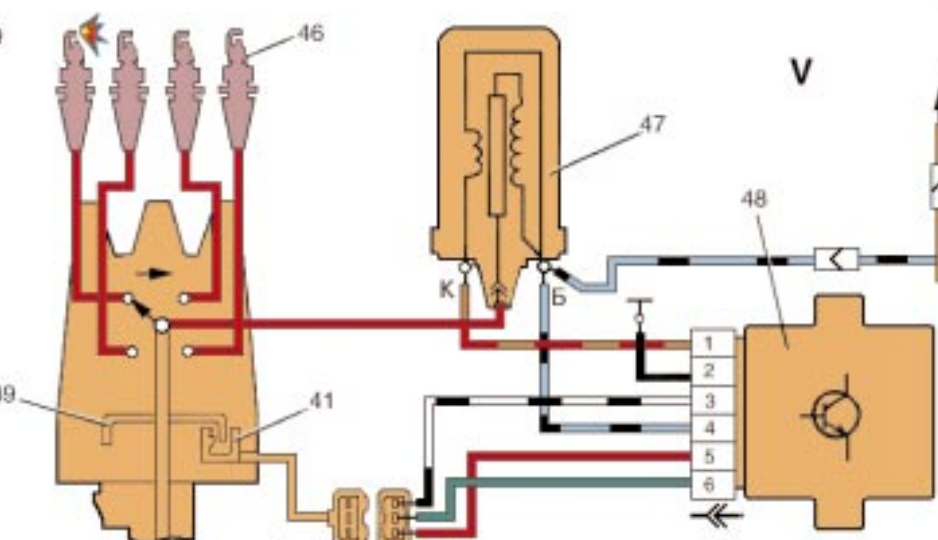
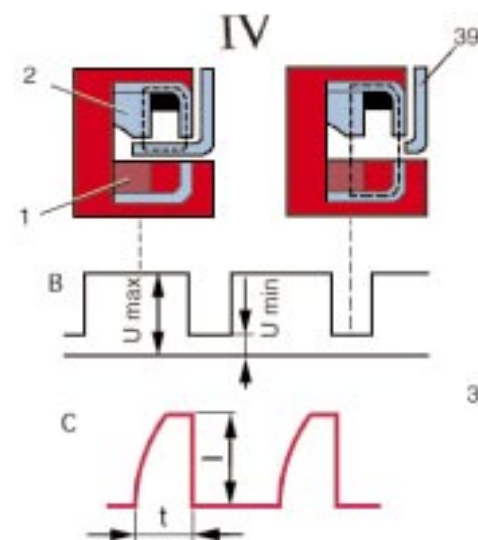
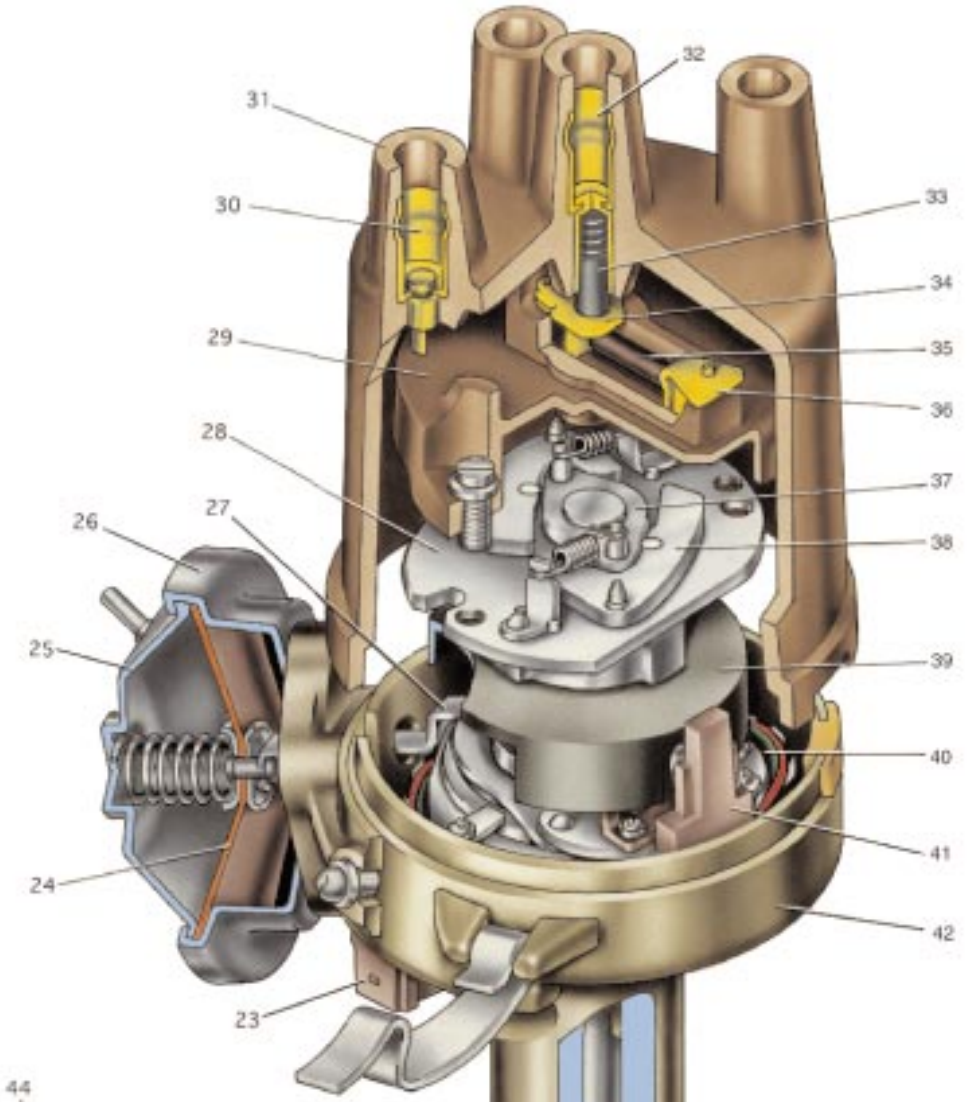
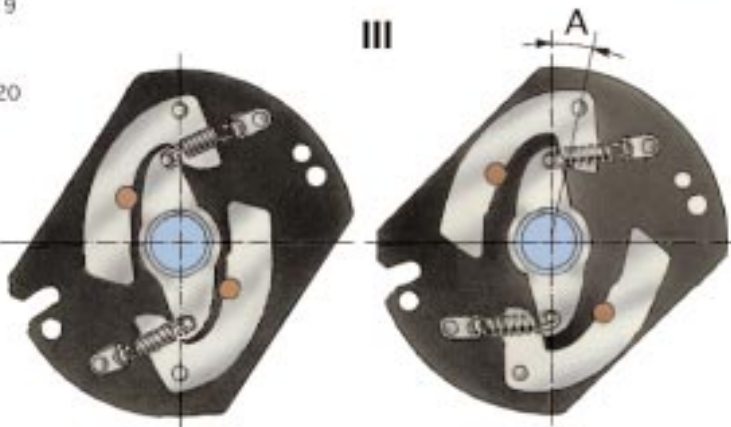
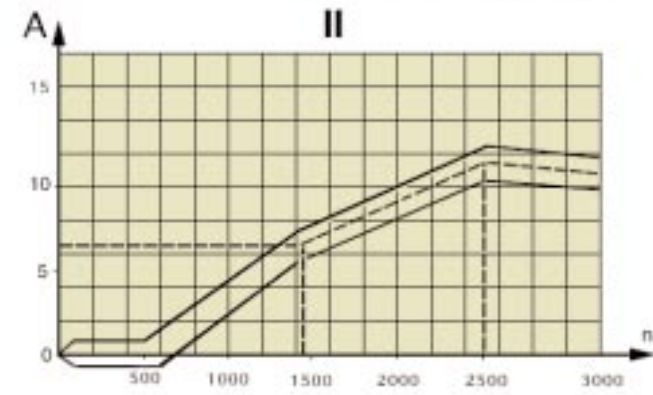
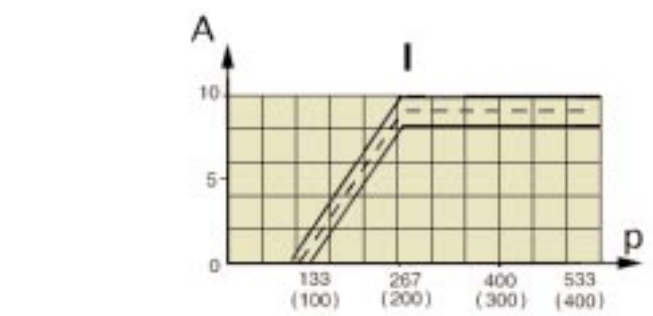
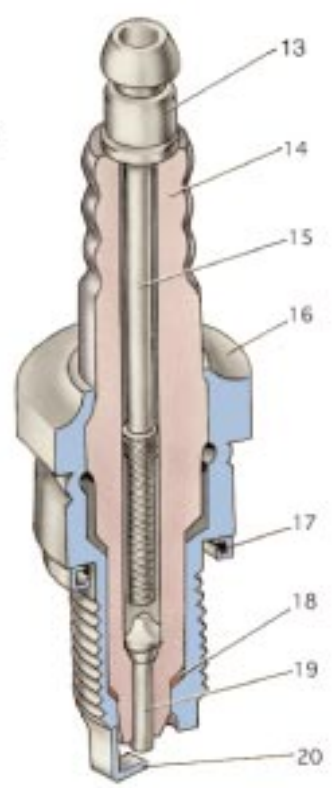
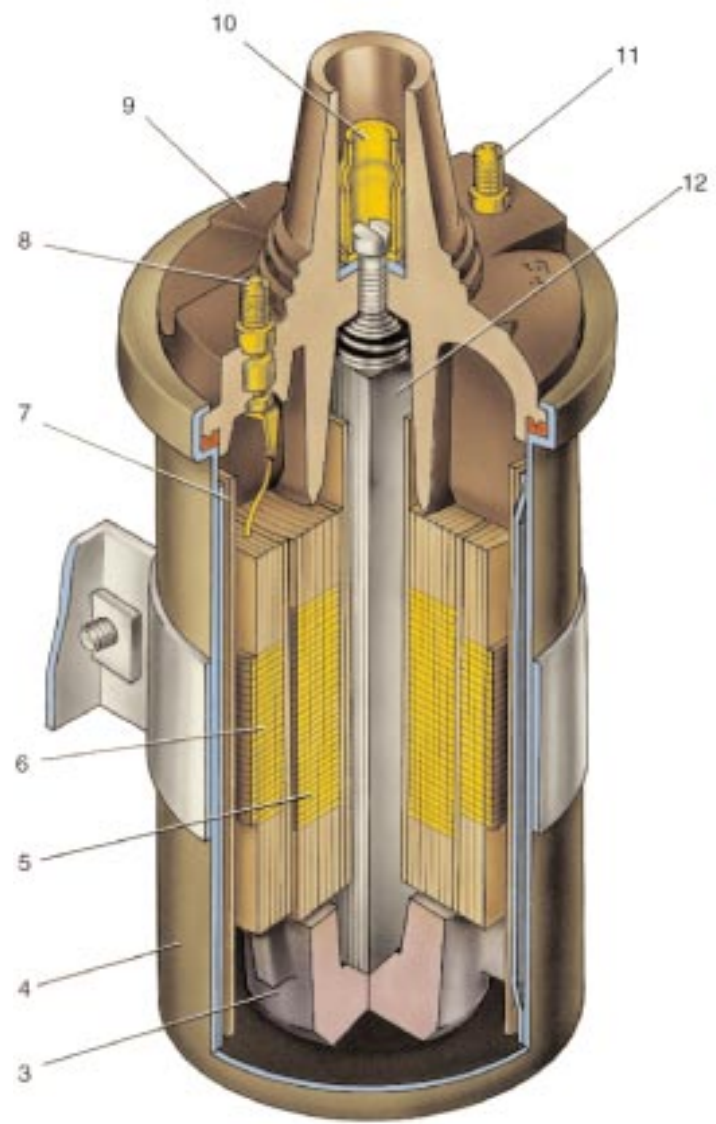
**Specification**

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 end 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

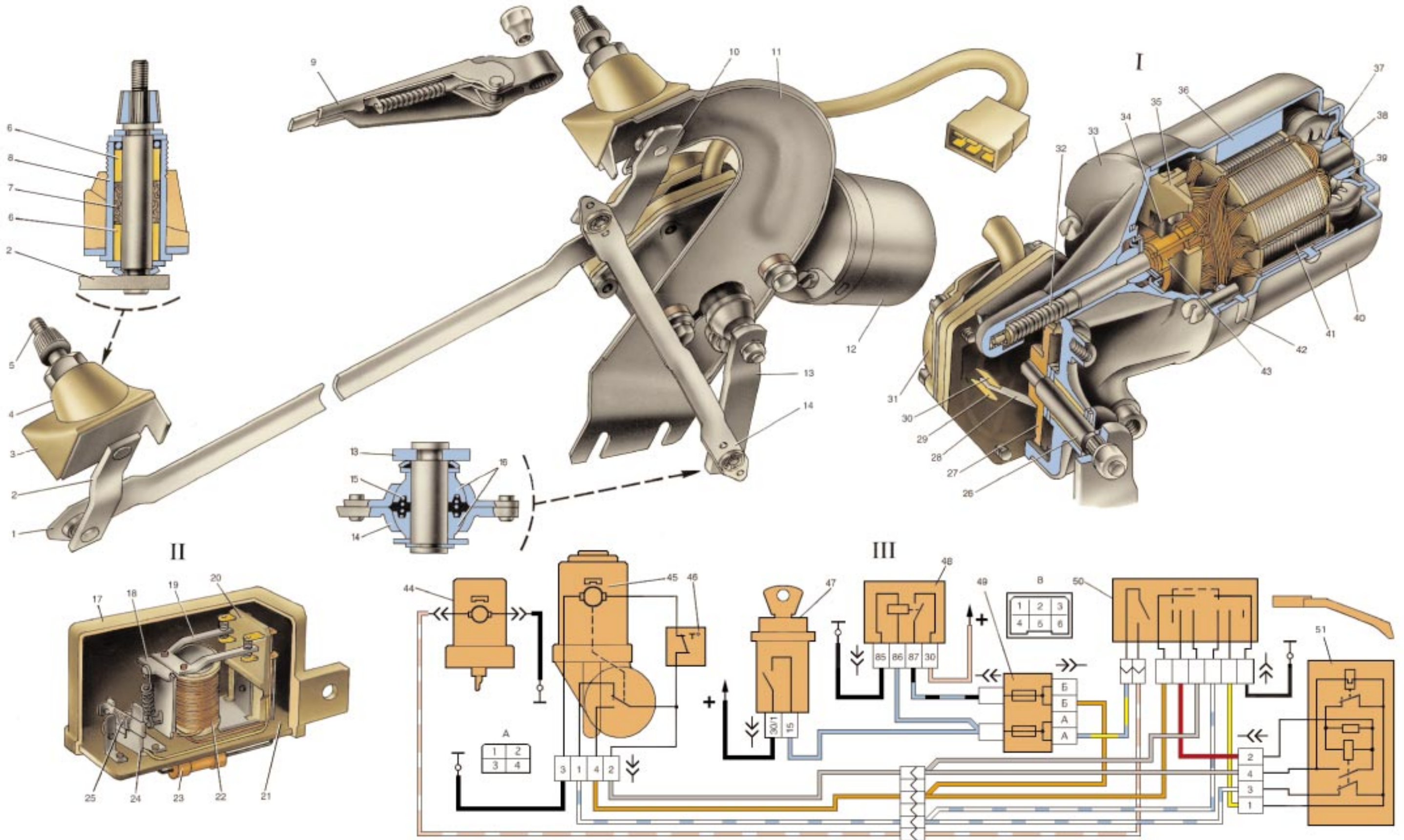
- 10. High tension terminal
- 11. 'B' terminal, primary winding start / secondary winding end
- 12. Core
- 13. Contact nut
- 14. Spark plug insulator
- 15. Core bar
- 16. Spark plug body
- 17. Sealing ring
- 18. Heat screening washer
- 19. Centre electrode
- 20. Side electrode

- 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 plugs
- 47. Ignition coil
- 48. Ignition module
- 49. Ignition relay
- 50. Ignition switch

- A - ignition timing, degrees
- n - distributor shaft rotation rate, RPM
- III. Centrifugal advance operation diagram: A - ignition timing
- IV. Hall sensor operation diagram: B - voltage pulses (U) at sensor output; C - current pulses (I) in ignition coil primary winding; t - current accumulation time
- 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

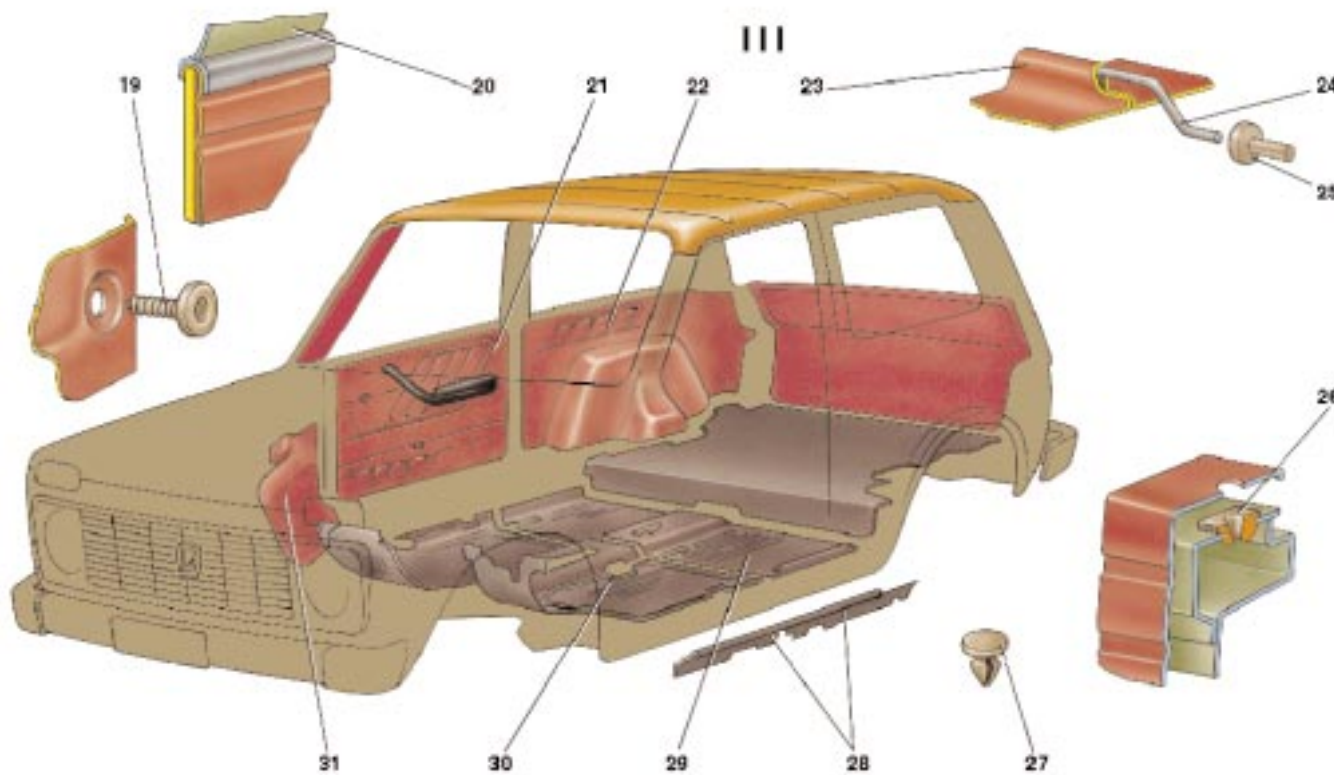
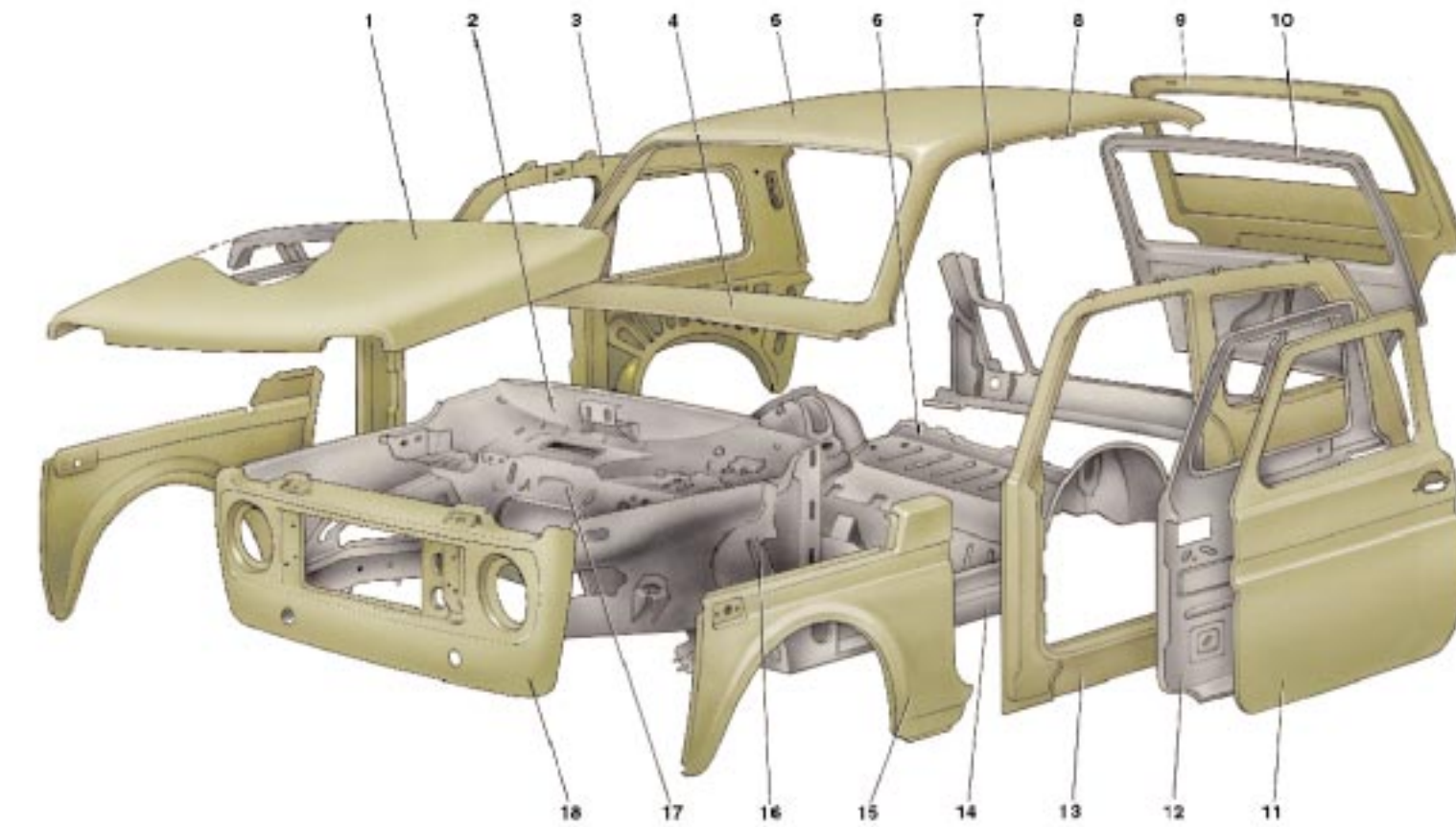
- 7. Felt
- 8. Bracket
- 9. Wiper arm
- 10. RH operating arm
- 11. Yoke
- 12. Wiper gear motor
- 13. Crank
- 14. Connecting rod
- 15. Spacer spring
- 16. Inserts
- 17. Relay casing

- 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 wipe/wash switch
- 51. Intermittent wipe 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 wipe / wash motors

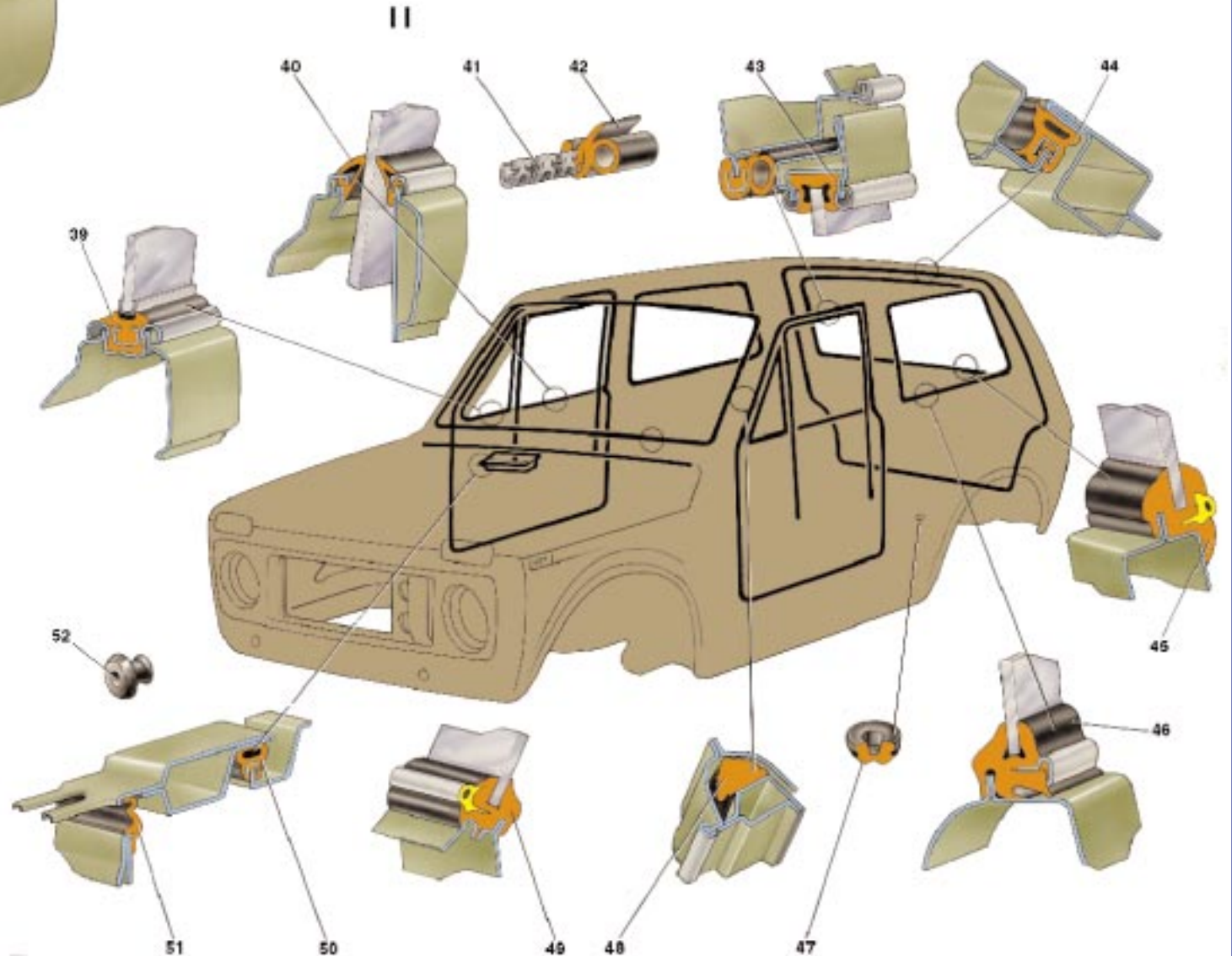
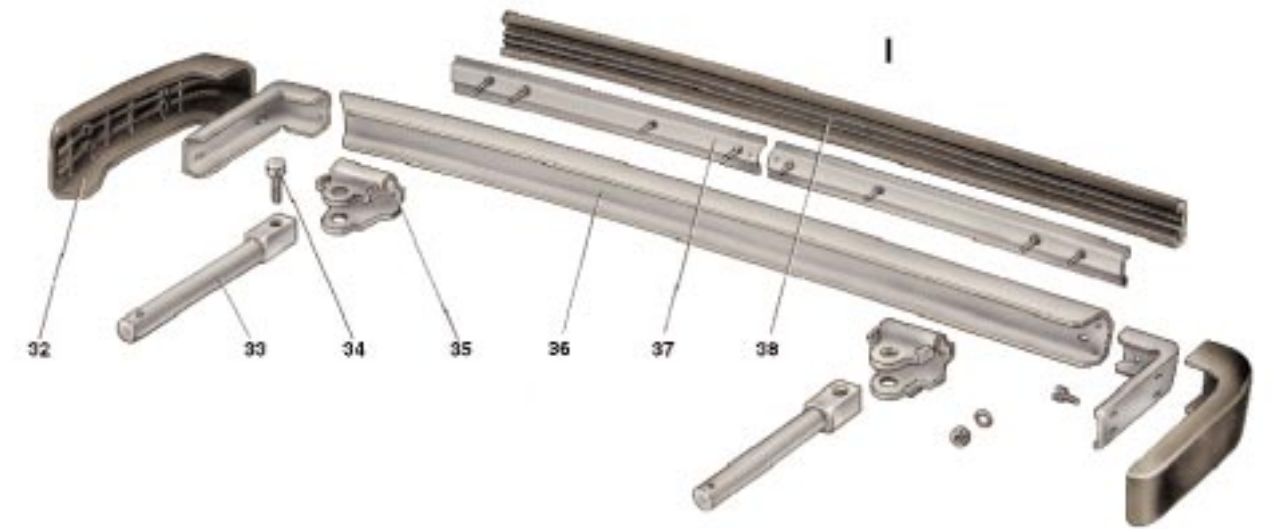


**BODY**

- 1. Bonnet
- 2. Upper bulkhead stiffener
- 3. RH body side
- 4. Windscreen scuttle panel
- 5. Roof panel
- 6. Rear floor panel
- 7. Rear body side post
- 8. Roof stiffener

- 9. Tailgate outer panel
- 10. Tailgate inner panel
- 11. Side door outer panel
- 12. Side door inner panel
- 13. LH body side
- 14. Floor - to - body side connection
- 15. Front wing
- 16. Front inner wing
- 17. Bulkhead
- 18. Radiator trim panel

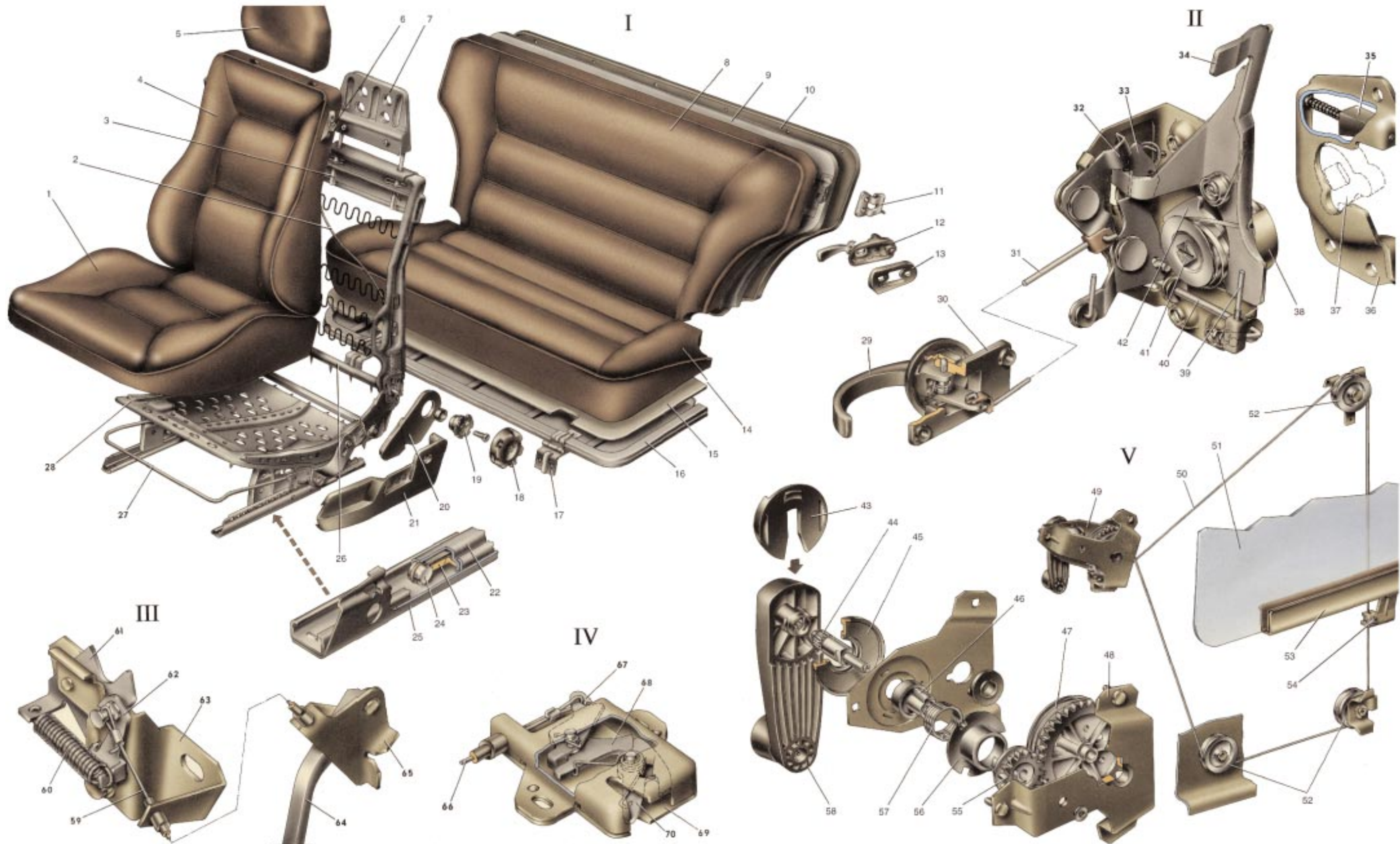
- 19. Securing clip
- 20. Upper door trim retainer
- 21. Door trim
- 22. Inner wing and body side liner
- 23. Headliner
- 24. Headliner support
- 25. Bush
- 26. Trim securing clip
- 27. Floor carpet retaining clip
- 28. Door sill trim



- 29. Rear floor carpet
- 30. Front floor carpet
- 31. Front side panel trim
- 32. Side cover plate
- 33. Connecting piece
- 34. Securing bolt
- 35. Bracket
- 36. Bumper bar
- 37. Retainer
- 38. Rubber cover plate

- 39. Quarter light seal
- 40. Sliding glass lower seal
- 41. Seal cord
- 42. Side door seal
- 43. Sliding glass seal
- 44. Tailgate seal
- 45. Rear window seal
- 46. Side panel glass seal
- 47. Rubber bush
- 48. Windscreen scuttle panel seal

- 49. Windscreen glass seal
- 50. Bonnet seal
- 51. Air box seal
- 52. Seal, front bumper connecting piece
- I. Rear bumper
- II. Rubber seals
- III. Interior trim



**BODY FITTINGS**

- 1. Front seat cushion
- 2. Operating rod, seat back fold-down
- 3. Headrest guide
- 4. Front seat back
- 5. Headrest
- 6. Knob, seat back fold-down
- 7. Headrest 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

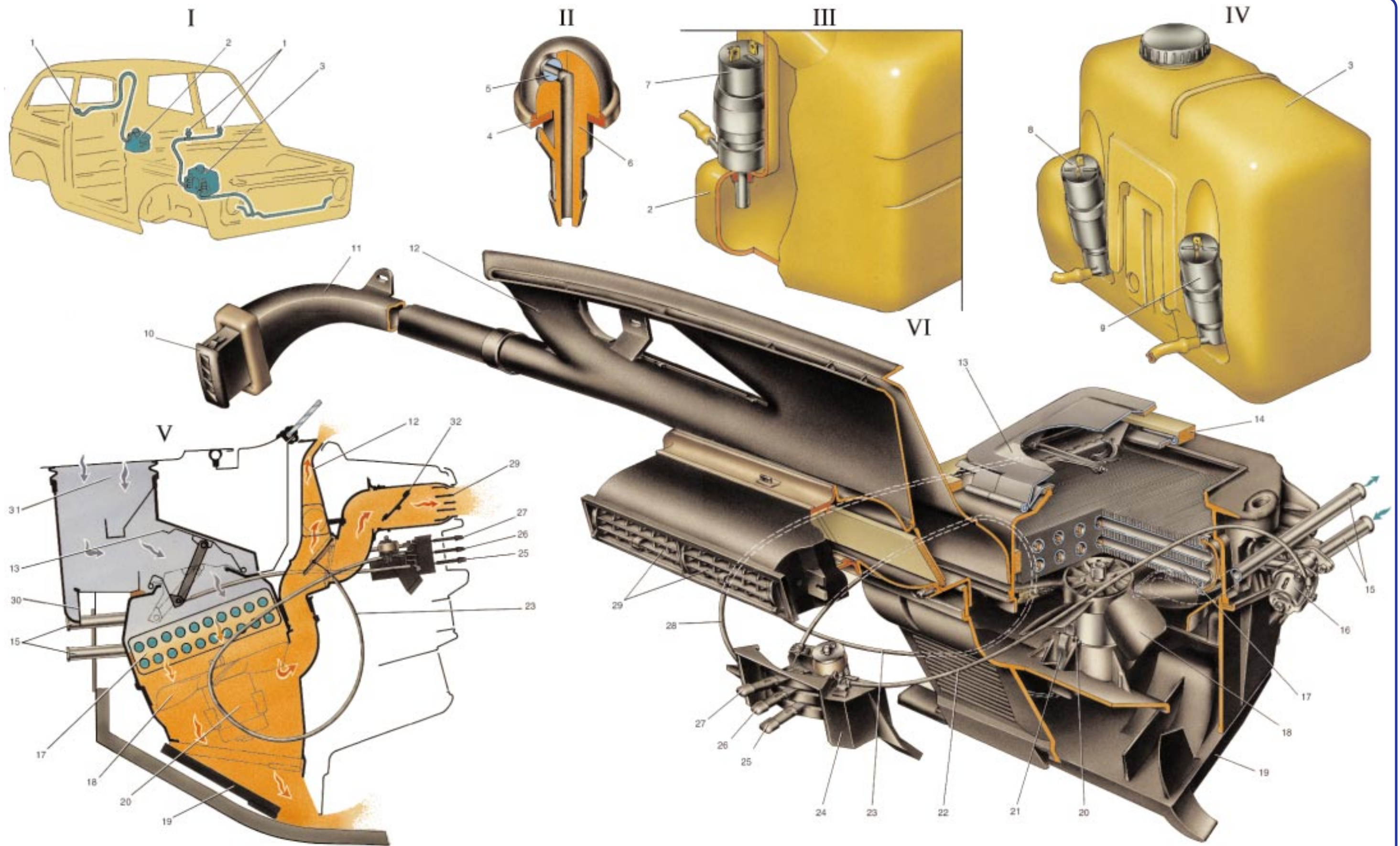
- 23. Stop
- 24. Roller
- 25. Seat track with catch
- 26. Seat back crossmember
- 27. Adjuster handle, seat sliding
- 28. Cushion framework
- 29. Door inner handle
- 30. Handle bracket
- 31. Inner handle operating link
- 32. Inner control lever
- 33. Locking rod
- 34. Outer control lever

- 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.**

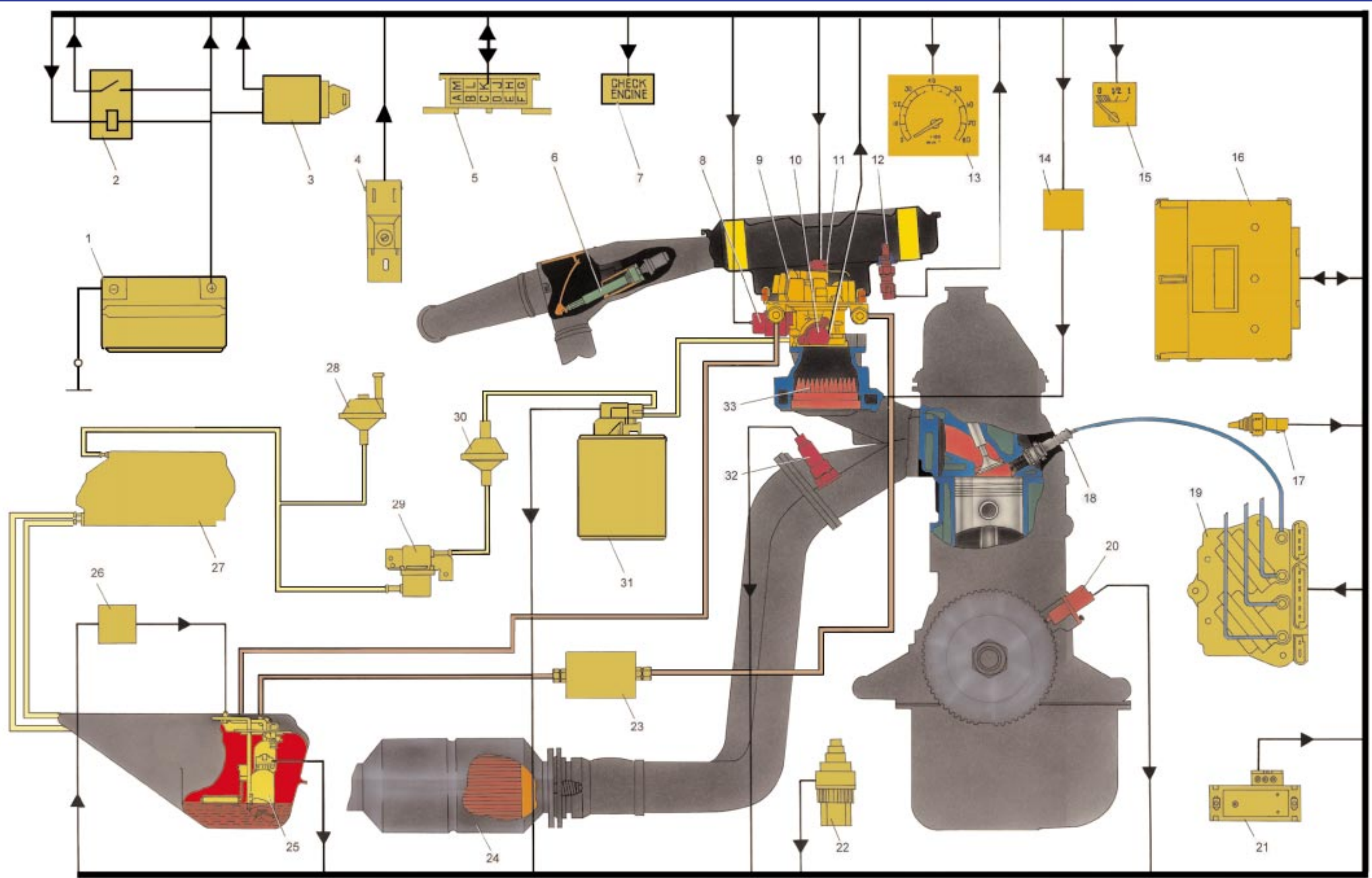
- 1. Washer jet
- 2. Tailgate washer fluid container
- 3. Windscreen/headlight washer fluid container
- 4. Gasket
- 5. Atomizer
- 6. Jet body

- 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

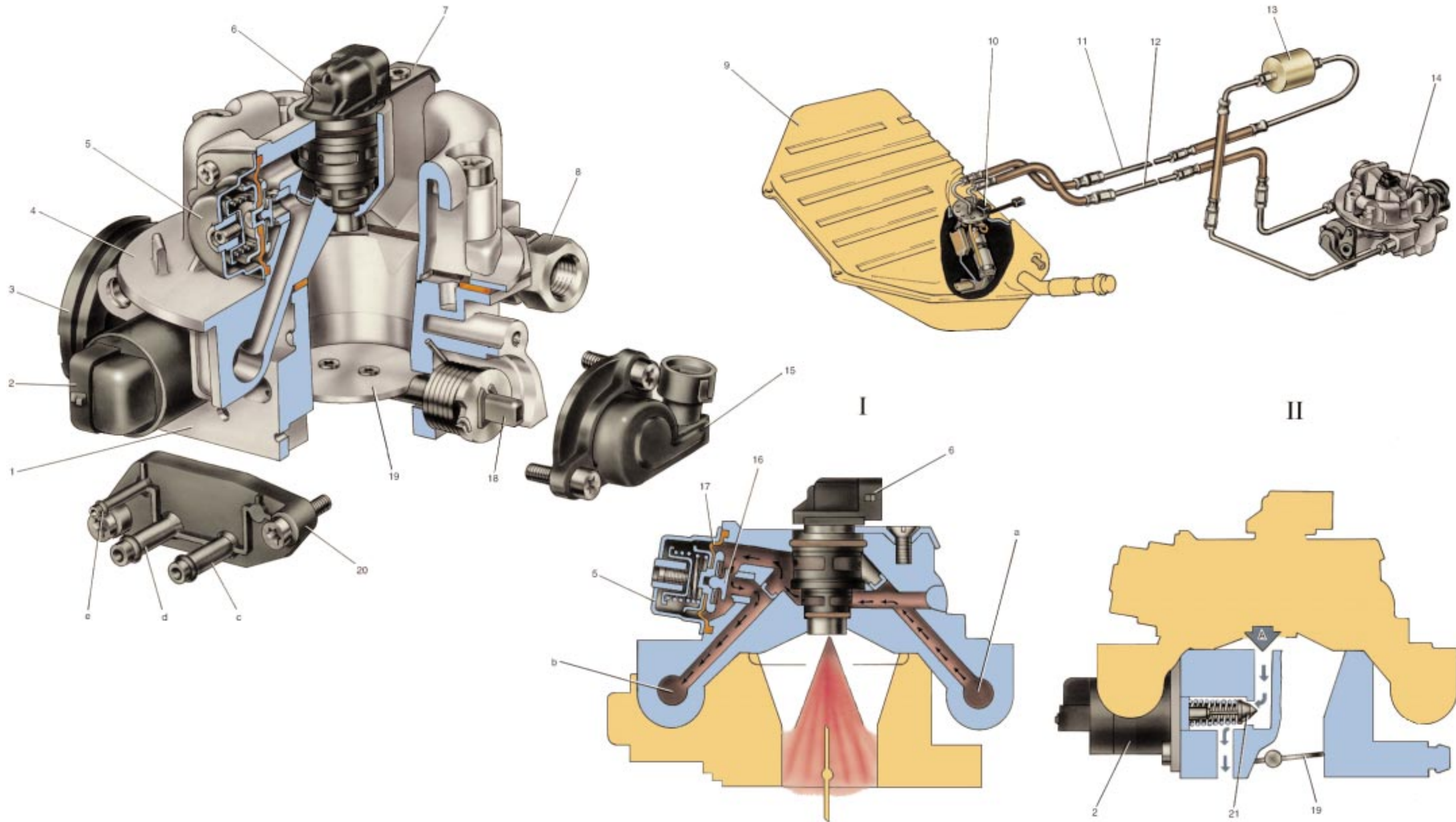
- I. Washer locations
- II. Windscreen and tailgate washer jet
- III. Tailgate washer pump and fluid container
- IV. Windscreen and headlight washer pump and fluid container
- V. Ventilation system operation diagram
- VI. Heater unit



**INJECTION SYSTEM DIAGRAM**

- |  |  |   |
|--|--|---|
| <ul style="list-style-type: none"> <li>1. Battery</li> <li>2. Ignition relay</li> <li>3. Ignition switch</li> <li>4. Octane adjust potentiometer</li> <li>5. Diagnostic plug</li> <li>6. Temperature regulator</li> <li>7. «CHECK ENGINE» warning light</li> </ul> | <ul style="list-style-type: none"> <li>8. Idle air control valve</li> <li>9. Central injection unit</li> <li>10. Throttle position sensor</li> <li>11. Injector</li> <li>12. Air temperature sensor</li> <li>13. Tachometer</li> <li>14. Preheater «ON» relay</li> <li>15. Fuel level gauge</li> <li>16. Electronic control unit</li> <li>17. Coolant temperature sender</li> <li>18. Spark plug</li> <li>19. Ignition module</li> <li>20. Crankshaft position sensor</li> <li>21. Airflow meter</li> <li>22. Speed sender</li> <li>23. Fuel filter</li> <li>24. Catalytic converter</li> <li>25. Fuel pump and fuel level sender</li> </ul> | <ul style="list-style-type: none"> <li>26. Fuel pump «ON» relay</li> <li>27. Fuel vapour separator</li> <li>28. Pressure-relief valve</li> <li>29. Gravity valve</li> <li>30. Two-way valve</li> <li>31. Canister with electromagnetic purge valve</li> <li>32. Oxygen sensor</li> <li>33. Intake manifold preheater</li> </ul> |
|--|--|---|





**INJECTION SYSTEM**

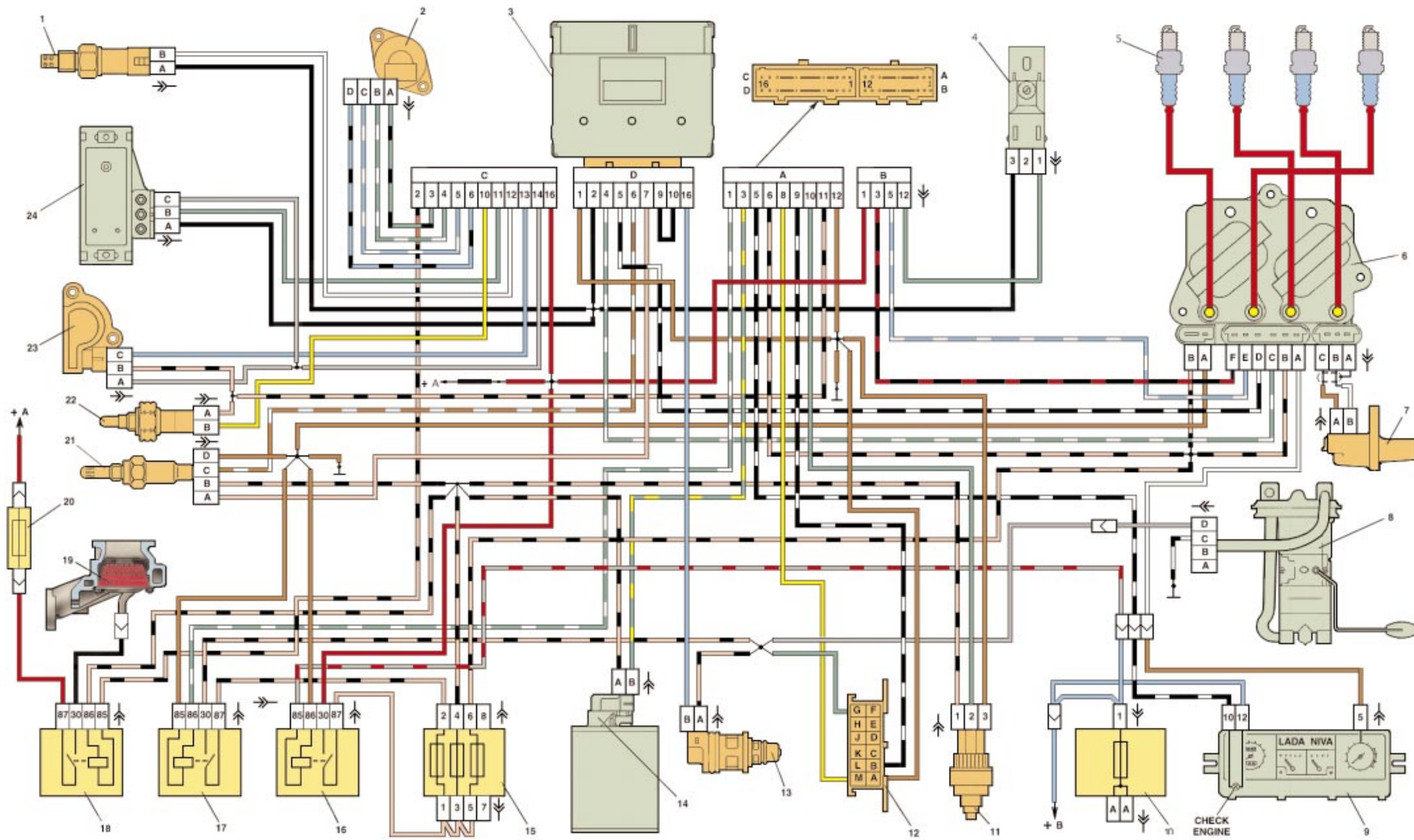
- 1. Throttle valves housing, TBI unit
- 2. Idle speed adjuster
- 3. Throttle operation cam
- 4. Supply unit, TBI
- 5. Fuel pressure regulator

- 6. Injector
- 7. Securing clip
- 8. Pipe union, fuel supply
- 9. Fuel tank
- 10. Fuel pump with fuel level sender
- 11. Fuel supply pipe
- 12. Fuel return pipe

- 13. Fuel filter
- 14. TBI unit
- 15. Throttle position sensor
- 16. Fuel pressure regulator valve
- 17. Diaphragm
- 18. Throttle shaft
- 19. Throttle valve

- 20. Vacuum connection
- 21. Idle speed control valve
- a. Fuel supply port
- b. Fuel return port
- c. Canister purge hose connection
- d. Crankcase ventilation hose connection

- e. MAP sensor hose connection
- I. Fuel pressure regulator operation diagram
- II. Idle air control diagram:
- A - air supply by-passing throttle valve



**WIRING DIAGRAM FOR INJECTION SYSTEM (GM)**

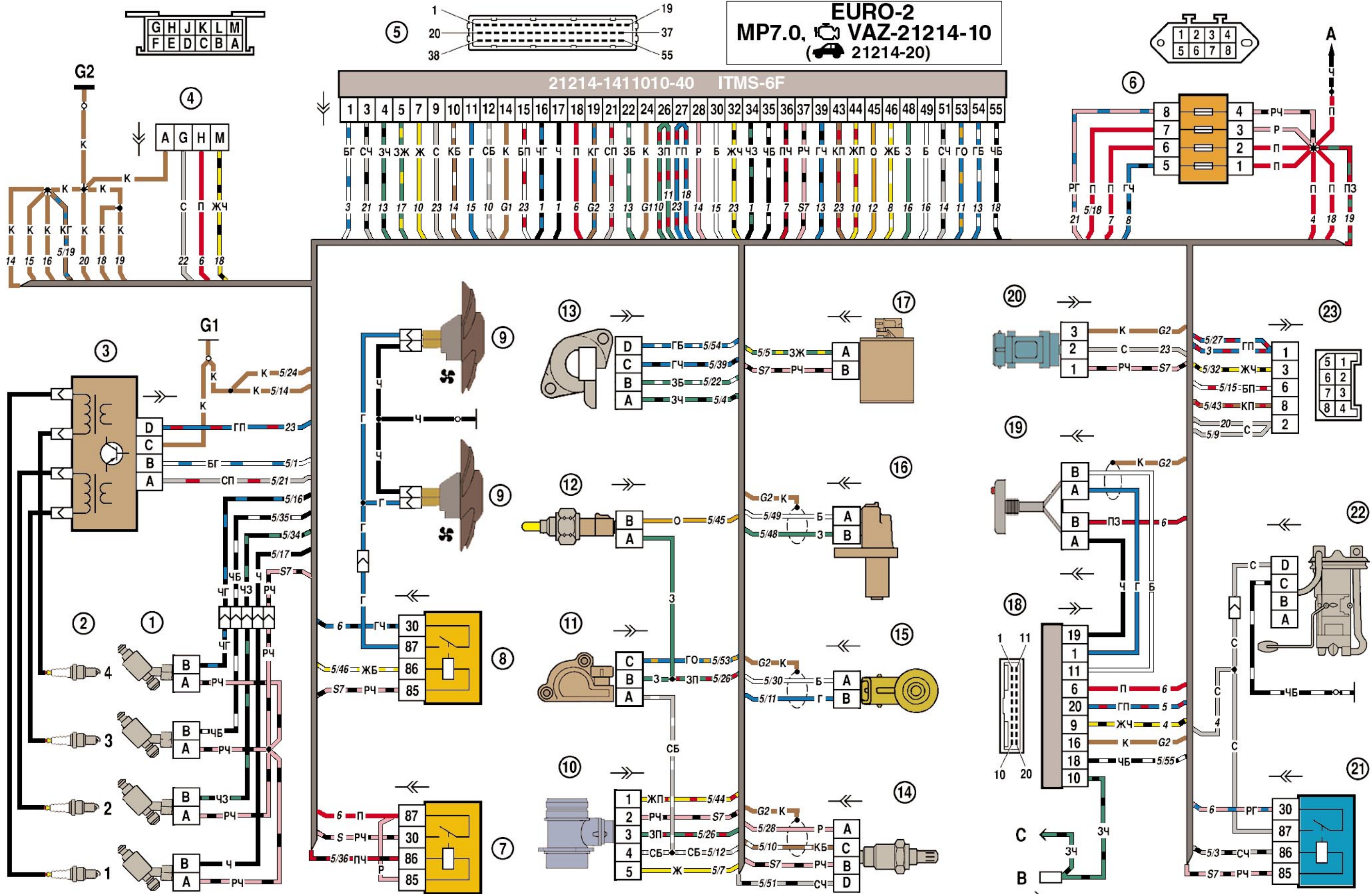
- 1. Air temperature sensor
- 2. Idle speed adjuster
- 3. Electronic control unit (ECU)
- 4. Octane-rating potentiometer
- 5. Spark plugs

- 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

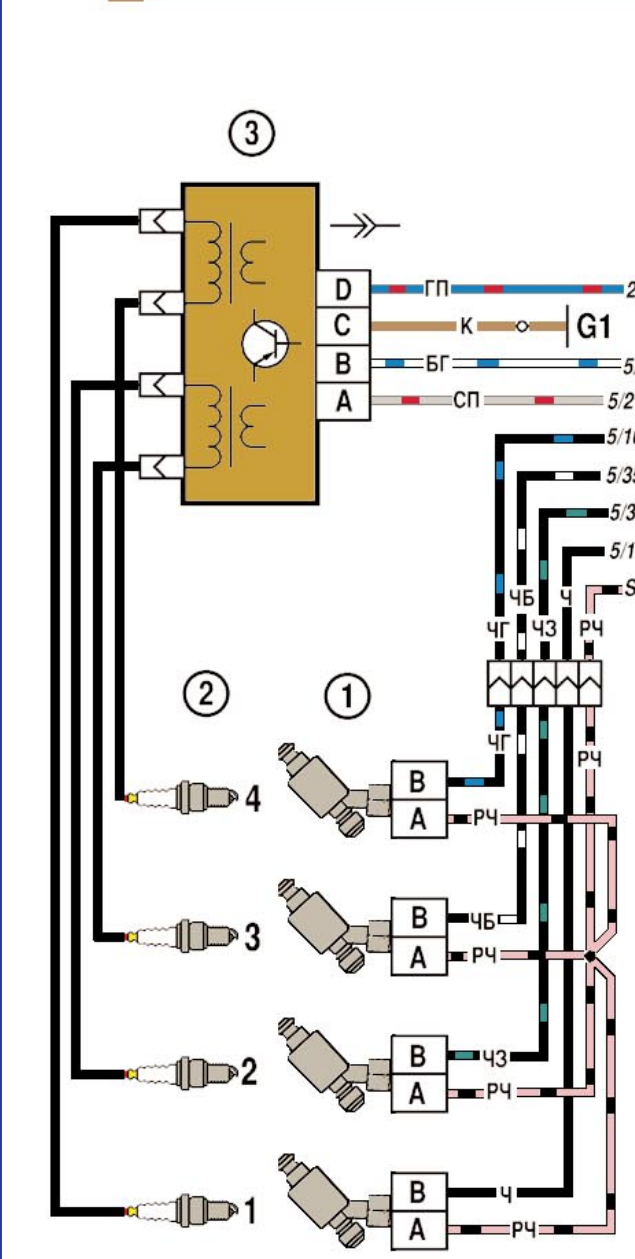
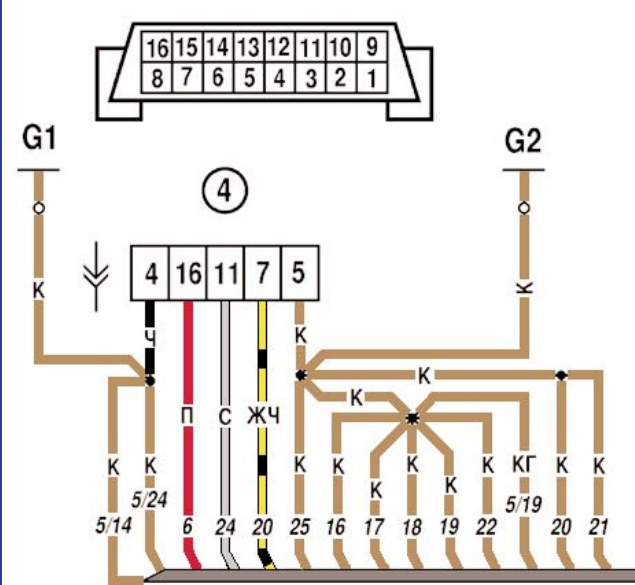
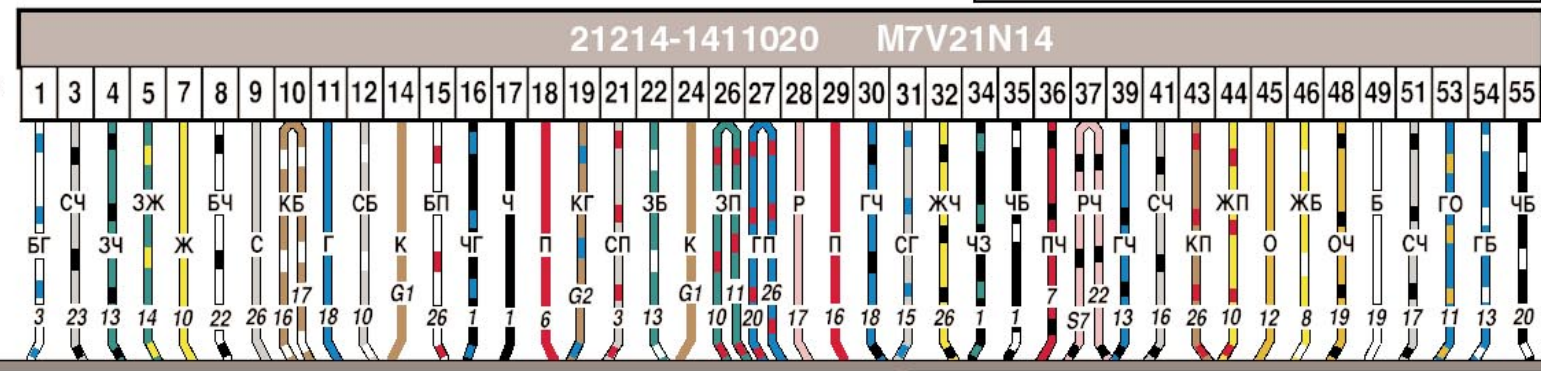
- 23. Throttle position sensor
  - 24. Manifold absolute pressure (MAP) sensor
- A. To battery '+' terminal  
 B. To ignition switch '15' terminal

**EURO-2**  
**MP7.0, VAZ-21214-10**  
 (21214-20)

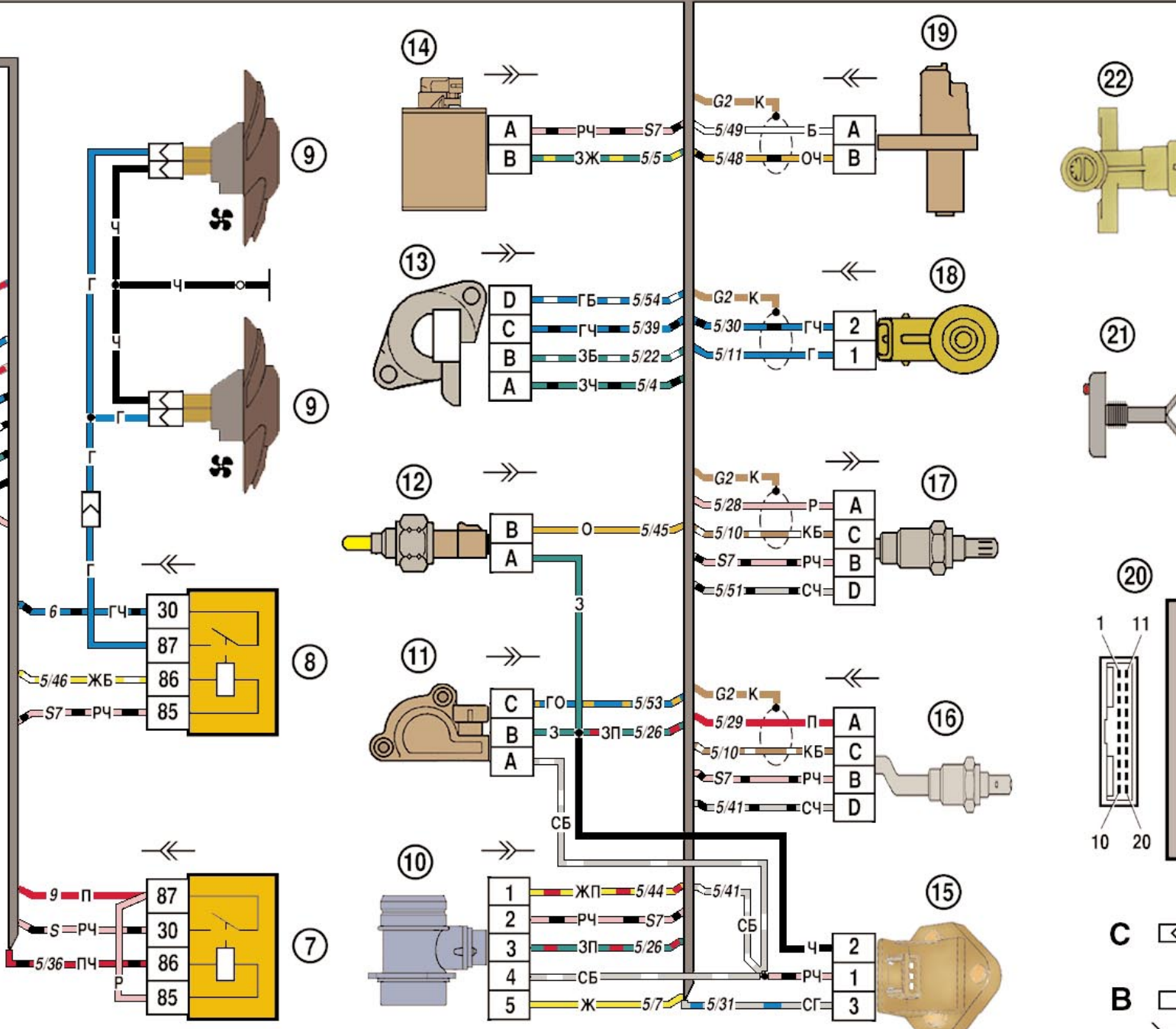


- 1 - Injectors;
  - 2 - Spark Plugs;
  - 3 - Ignition Module;
  - 4 - Data Link Connector (DLC);
  - 5 - Electronic Control Module (ECM);
  - 6 - Fusebox;
  - 7 - Main Relay;
  - 8 - Electric Fan Relay;
  - 9 - Cooling Fans Motors;
  - 10 - Mass Air Flow (MAF) and Intake Air Temperature (IAT) Sensor;
  - 11 - Throttle Position (TP) Sensor;
  - 12 - Engine Coolant Temperature (ECT) Sensor;
  - 13 - Idle Air Control (IAC) Valve;
  - 14 - Heated Oxygen Sensor (HO<sub>2</sub>S);
  - 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.**

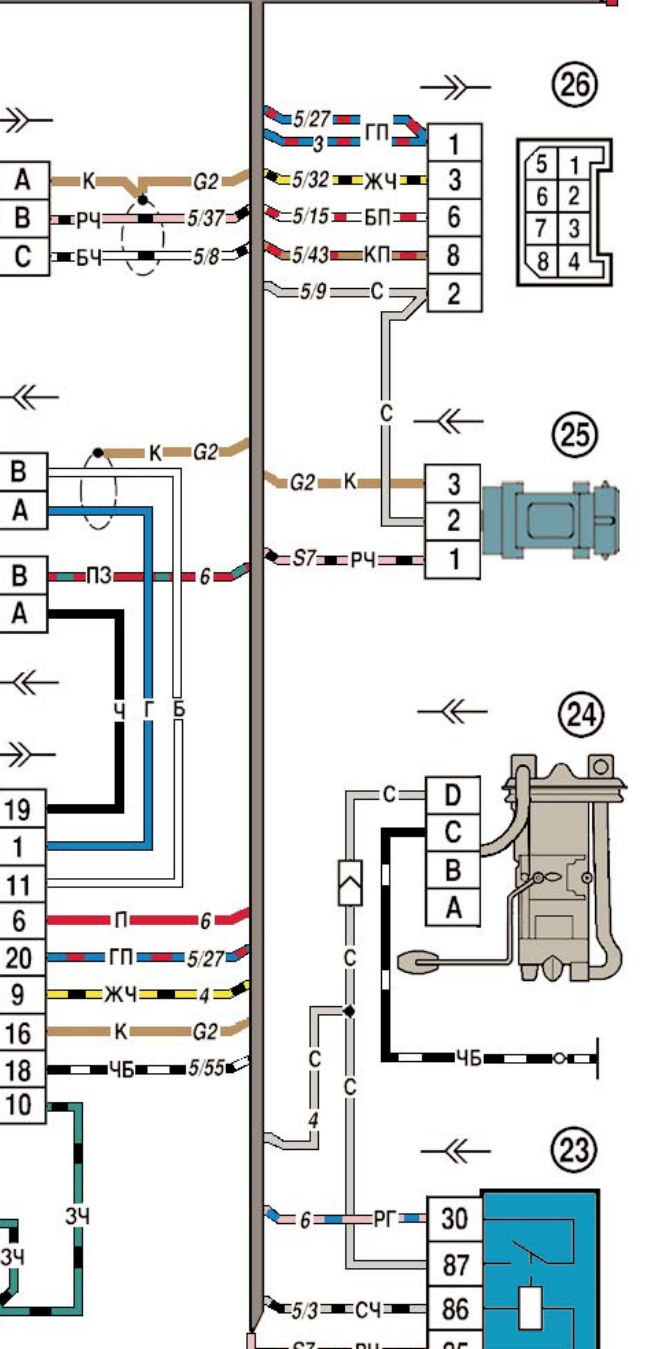
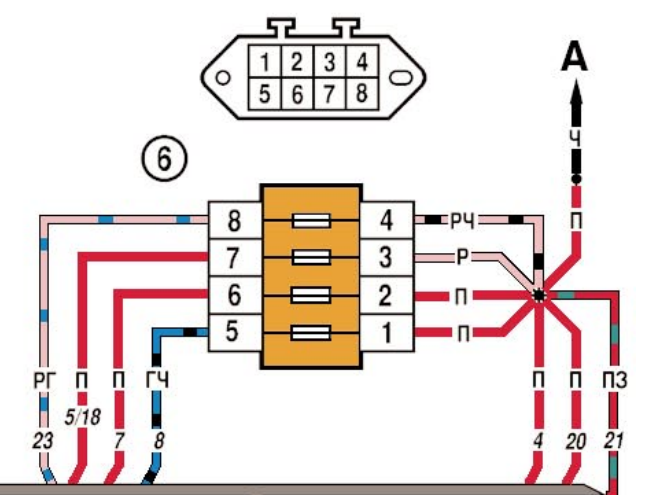
**EURO-3**  
**MP7.0 VAZ-21214**  
 (21214 VERSION S 20-130)



- 1- Injectors;
- 2- Spark Plugs;
- 3- Ignition Module;
- 4- Data Link Connector (DLC)
- 5- Electronic Control Module (ECM)
- 6- Fuse Box;
- 7- Main Relay;
- 8- Fan Relay;
- 9- Cooling Fan Motors;
- 10- Mass Air Flow (MAF) and Intake Air
- 11- Throttle Position (TP) Sensor;
- 12- Engine Coolant Temperature



- (ECT) Sensor;
- 13- Idle Air Control (IAC) Valve;
- 14- EVAP Purge Solenoid;
- 15- Rough Road Sensor (G-Sensor);
- 16- Catalyst Monitor Heated Oxygen Sensor (HO<sub>2</sub> S 2);
- 17- Fuel Control Heated Oxygen Sensor (HO<sub>2</sub> S 1);
- 18- Knock Sensor (KS);
- 19- Crankshaft Position (CKP) Sensor;
- 20- Immobilizer Control Module;
- 21- Immobilizer System Key Reader;
- 22- Camshaft Position (CMP) Sensor;
- 23- Fuel Pump Relay;
- 24- Electric Fuel Pump with Fuel Level Sensor;
- 25- Vehicle Speed Sensor (VSS);
- 26- Connector, to instrument panel harness;



- 20- Immobilizer Control Module;
- 21- Immobilizer System Key Reader;
- 22- Camshaft Position (CMP) Sensor;
- 23- Fuel Pump Relay;
- 24- Electric Fuel Pump with Fuel Level Sensor;
- 25- Vehicle Speed Sensor (VSS);
- 26- Connector, to instrument panel harness;

A- to battery terminal "+";  
 B- Wiring, to courtesy light switch;  
 C- Wiring, to white/black wire dis-  
 connected from  
 the courtesy light switch;  
**G1, G2** - Ground Connections.

Alongside letter code of wire color connected to component #7 through this diagram also has digital marking the connection not shown on the dia- indicating the number of electrical gram. Some markings also indicate component to which the wire should pin number (after a slash), e.g. «- be connected, e.g. «-5-». Marking «- 5/15-».