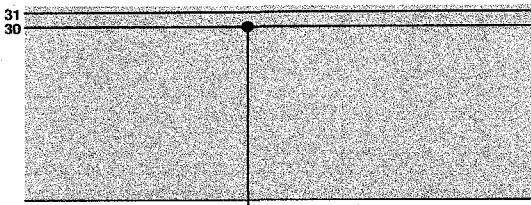


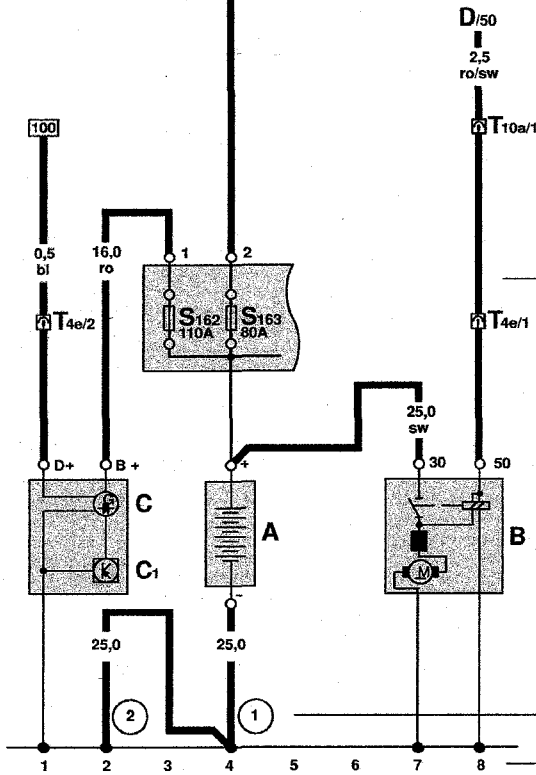
# Wiring diagram layout



Relay panel  
Indicated by grey area.

## WIRING COLOR CODE

ws = white  
sw = black  
ro = red  
br = brown  
gn = green  
bl = blue  
gr = grey  
li = lilac  
ge = yellow



Consumer circuit with wire routing  
All switches and contacts are shown in the "off" position.

Vehicle ground  
Numbers in circle indicate location on vehicle (see legend).

Current track number  
Makes it easier to find the connections.

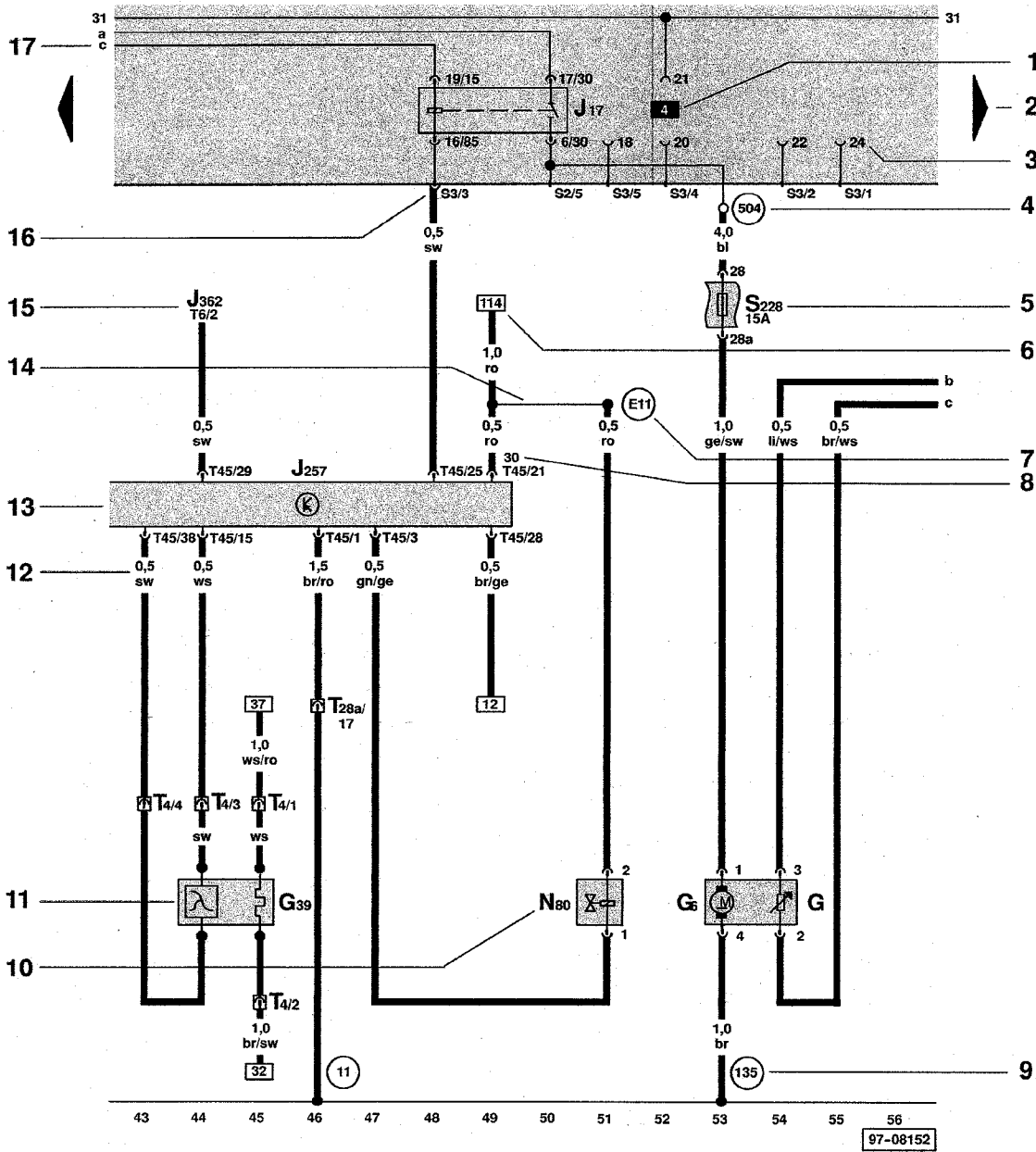
97-08151

- A - Battery
- B - Starter
- C - Generator (GEN)
- C1 - Voltage Regulator (VR)
- D - Ignition/Starter Switch
- S162 - Fuse -1- (30) in fuse bracket / battery
- S163 - Fuse -2- (30) in fuse bracket / battery
- T4e - 4-Pin Connector, on transmission
- T10a - 10-Pin Connector, on protective housing for control module, in engine compartment, left
- (1) - Ground strap, battery to body
- (2) - Ground strap, transmission to body
- (500) - Screw connection -1- (30), on relay panel

## Legend

In all wiring diagrams the same component designation (code) is used for a particular component; for example, always A for battery.

# How to read wiring diagrams





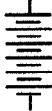

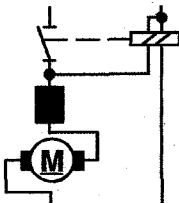

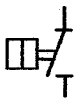
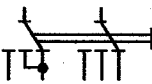
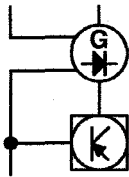



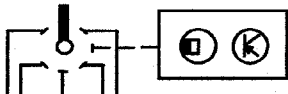




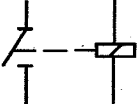


# How to read wiring diagrams

- 1 - **Relay location number**  
Indicates location on relay panel.
- 2 - **Arrow**  
Indicates wiring circuit is continued on the previous and/or next page.
- 3 - **Connection designation - relay control module on relay panel**  
Shows the individual terminals in a multi-point connector.  
For example: contact 24 on terminal **4** on relay panel.
- 4 - **Diagram of threaded pin on relay panel**  
White circle shows a detachable connection.
- 5 - **Fuse designation**  
For example: S228 = Fuse number 28, 15 amps, in fuse holder
- 6 - **Reference of wire continuation (current track number)**  
Number in frame indicates current track where wire is continued.
- 7 - **Wire connection designation in wiring harness**  
Location of wire connections are indicated in the legend.
- 8 - **Terminal designation**  
Designation which appears on actual component and/or terminal number of a multi-point connector.
- 9 - **Ground connection designation in wire harness**  
Locations of ground connections are indicated in legend.
- 10 - **Component designation**  
Use legend at bottom of page to identify the component code.
- 11 - **Component symbols (see page IV - VI)**
- 12 - **Wire cross-section size (in mm<sup>2</sup>) and wire colors**  
Abbreviations are explaining in color chart beside the wiring diagram.
- 13 - **Component symbol with open drawing side**  
Indicated component is continued on another wiring diagram. The number of corresponding wiring diagram can taken from list of contents.
- 14 - **Internal connections (thin lines)**  
These connections are **not** wires. Internal connections are current carrying and are listed to allow tracing of current flow inside components and wiring harness.
- 15 - **Reference of continuation of wire to component**  
For example: Control module for anti-theft immobilizer J362 on 6-Pin Connector, terminal 2
- 16 - **Relay panel connectors**  
Shows wiring of multi-point or single connectors on relay panel  
For example: S3/3 - Multi-point connector S3, terminal 3
- 17 - **Reference of internal connection continuation**  
Letters indicate where connection continues on the previous and/or next page.





















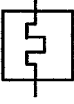


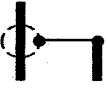
# Symbols used in wiring diagrams

	Fuse		Switch (manually operated)
	Thermo-fuse (Circuit Breaker)		Switch (thermally operated)
	Battery		Push button switch (manually operated)
	Starter		Switch (mechanically operated)
	Switch (pressure operated)		Multiple switch (manually operated)
	Generator (GEN)		Resistance
	Ignition Coil		Variable resistor (Rheostat)
	Distributor (electronic)		Resistor temperature dependent
	Spark plug connector and plug		Heater element temperature dependent
	Glow plug Heater element		Relay

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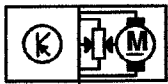
# Symbols used in wiring diagrams

	Diode		Solenoid valve
	Zener diode		Magnetic clutch
	Diode light sensitiv		Wire connector
	Light bulb		Pin connector
	Light bulb (dual filament)		Multi-point connector at component
	LED		Internal connections in component
	Interior light		Wire connection detachable
	Instrument (Gauge)		Wire connection fixed
	Electronic control module		Wire connection in wiring harness
	Rear window defogger heat element		Resistance wire
	Cigarette lighter		Shield wire

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# Symbols used in wiring diagrams



Control motor,  
headlight range adjustment



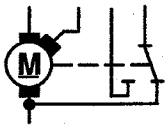
Speeker



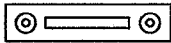
Motor



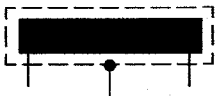
Antenna with electronic  
antenna amplifier



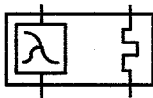
Wiper motor  
2-speed



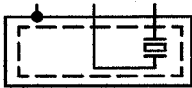
Radio



Crankshaft position sensor  
(CKP)



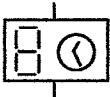
Heated oxygen sensor



Knock sensor (KS)



Analog clock



Digital clock



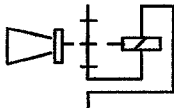
Multi-function  
indicator



Airbag spiral spring



Speed sensor



Horn

97-08154