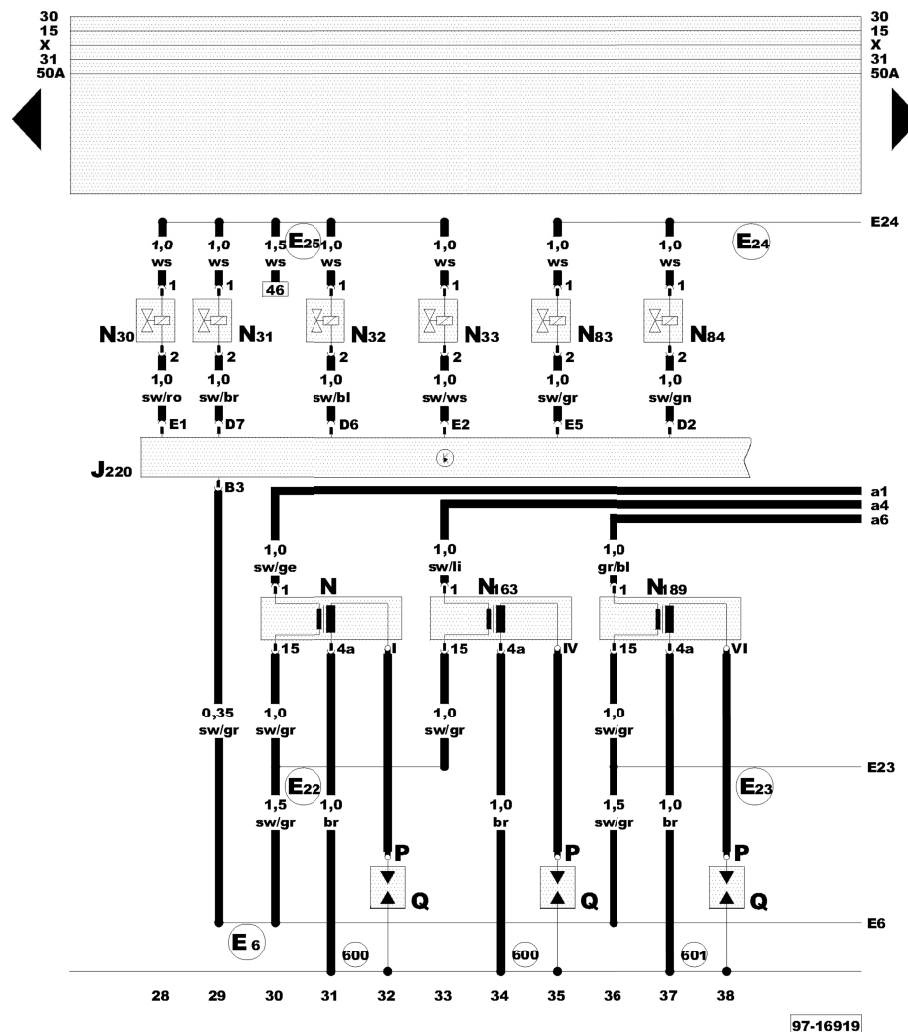


# Audi A8

## Current Flow Diagram

# No. 46 / 4



### Motronic control unit, ignition coils, injectors

- J220 - Motronic control unit
- N - Ignition coil
- N30 - Injector, cylinder 1
- N31 - Injector, cylinder 2
- N32 - Injector, cylinder 3
- N33 - Injector, cylinder 4
- N83 - Injector, cylinder 5
- N84 - Injector, cylinder 6
- N163 - Ignition coil 4
- N189 - Ignition coil 6
- P - Spark plug connector
- Q - Spark plugs
- 600 - Earth point, on cylinder head, right
- 601 - Earth point, on cylinder head, left
- E6 - Positive (+) connection -1- (15), in Motronic wiring harness
- E22 - Connection (15, ignition right), in Motronic wiring harness
- E23 - Connection (15, ignition left), in Motronic wiring harness
- E24 - Connection (87a, left inlet valve), in Motronic wiring harness
- E25 - Connection (87a, right inlet valve), in Motronic wiring harness

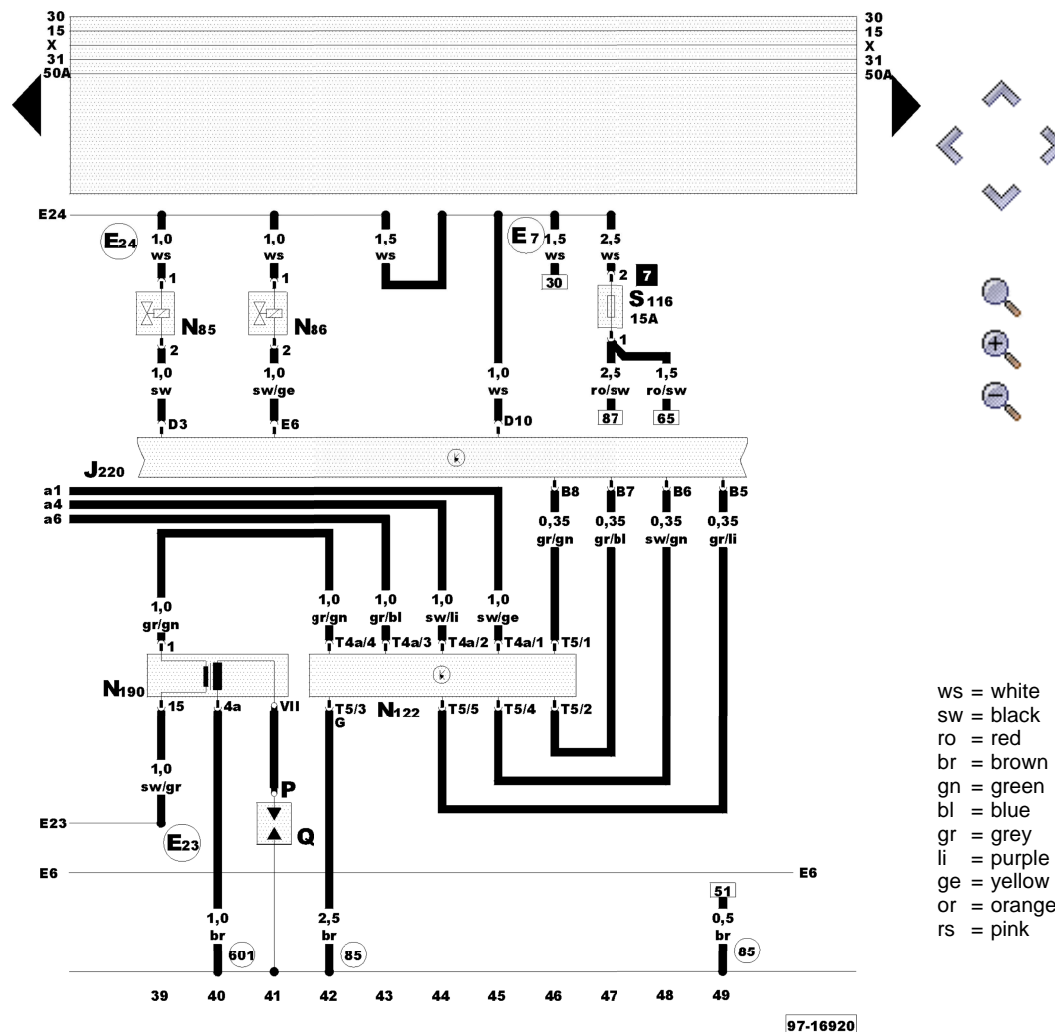
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 ro = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = purple  
 ge = yellow  
 or = orange  
 rs = pink

97-16919

# Audi A8

## Current Flow Diagram

### No. 46 / 5



#### Motronic control unit, final output stage for ignition coils

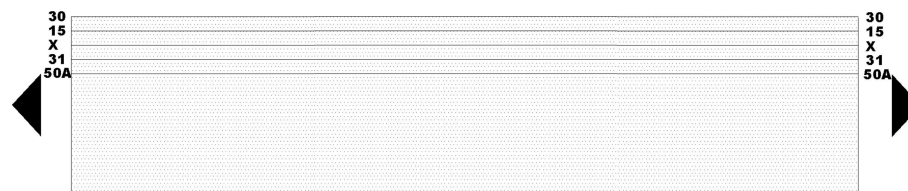
- J220 - Motronic control unit
- N85 - Injector, cylinder 7
- N86 - Injector, cylinder 8
- N122 - Final output stage
- N190 - Ignition coil 7
- P - Spark plug connector
- Q - Spark plugs
- S116 - Injector fuse
- T4a - 4-pin connector, black, at output stage
- T5 - 5-pin connector, black, at output stage
- 85 - Earth connection -1-, in engine compartment wiring harness
- 601 - Earth point, on cylinder head, left
- E7 - Connection (87a), in Motronic wiring harness
- E23 - Connection (15, ignition left), in Motronic wiring harness
- E24 - Connection (87a, left inlet valve), in Motronic wiring harness

ws = white  
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# Audi A8

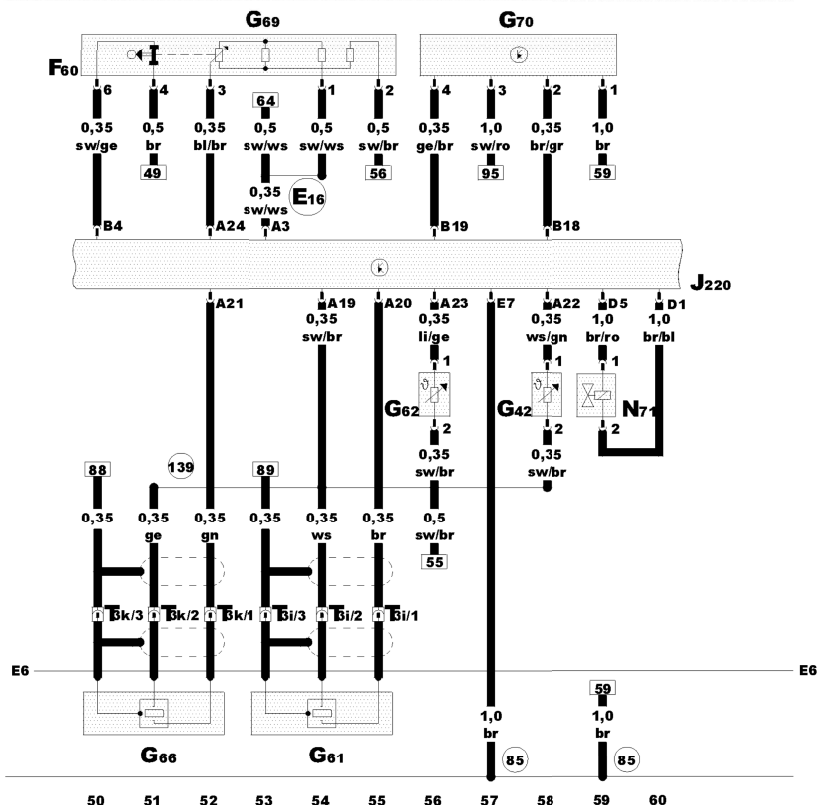
## Current Flow Diagram

### No. 46 / 6



#### Motronic control unit, throttle valve potentiometer, air mass meter

- F60 - Idling switch
- G42 - Intake air temperature sender
- G61 - Knock sensor 1
- G62 - Coolant temperature sender
- G66 - Knock sensor 2
- G69 - Throttle valve potentiometer
- G70 - Air mass meter
- J220 - Motronic control unit
- N71 - Idling stabilization valve
- T3i - 3-pin connector, green, at knock sensor 1
- T3k - 3-pin connector, brown, at knock sensor 2
- 85 - Earth connection -1-, in engine compartment wiring harness
- 139 - Earth connection (sender earth), in Motronic wiring harness
- E16 - Positive (+) connection (5 volts), in Motronic wiring harness

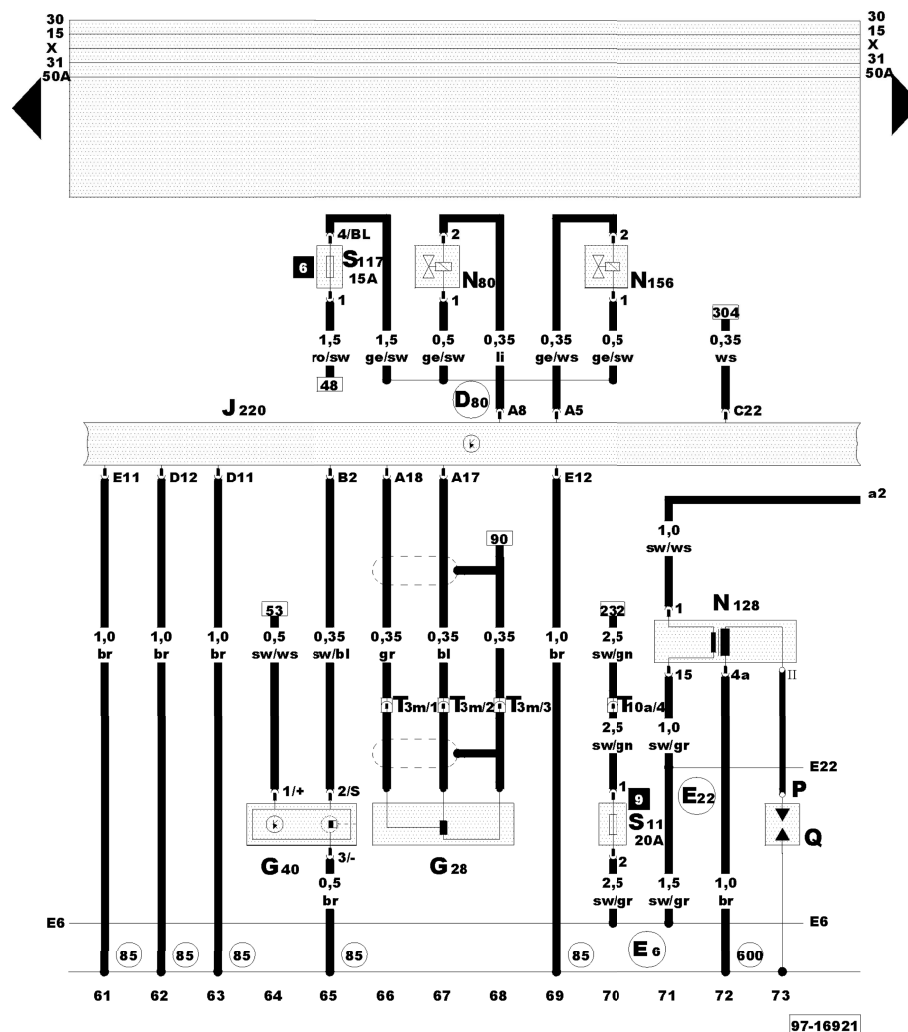


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- ro = red
- br = brown
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- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

# Audi A8

## Current Flow Diagram

No. 46 / 7



### Motronic control unit, Hall senders, engine speed sender, ignition coil fuses

- G28 - Engine speed sender
- G40 - Hall sender
- J220 - Motronic control unit
- N80 - Activated charcoal filter system solenoid valve 1 (pulsed)
- N128 - Ignition coil 2
- N156 - Intake manifold change-over valve
- P - Spark plug connector
- Q - Spark plugs
- S115 - Ignition coil terminal 15 fuse
- S117 - Control element fuse
- T3m - 3-pin connector, grey, engine speed sender, in engine compartment
- T10a - 10-pin connector, black, connector point, electronics box, plenum chamber
- 85 - Earth connection -1-, in engine compartment wiring harness
- 600 - Earth point, on cylinder head, right
- D80 - Positive (+) connection (87a - for activated charcoal filter system solenoid valve), in engine compartment wiring harness
- E6 - Positive (+) connection -1- (15), in Motronic wiring harness
- E22 - Connection (15, ignition right), in Motronic wiring harness

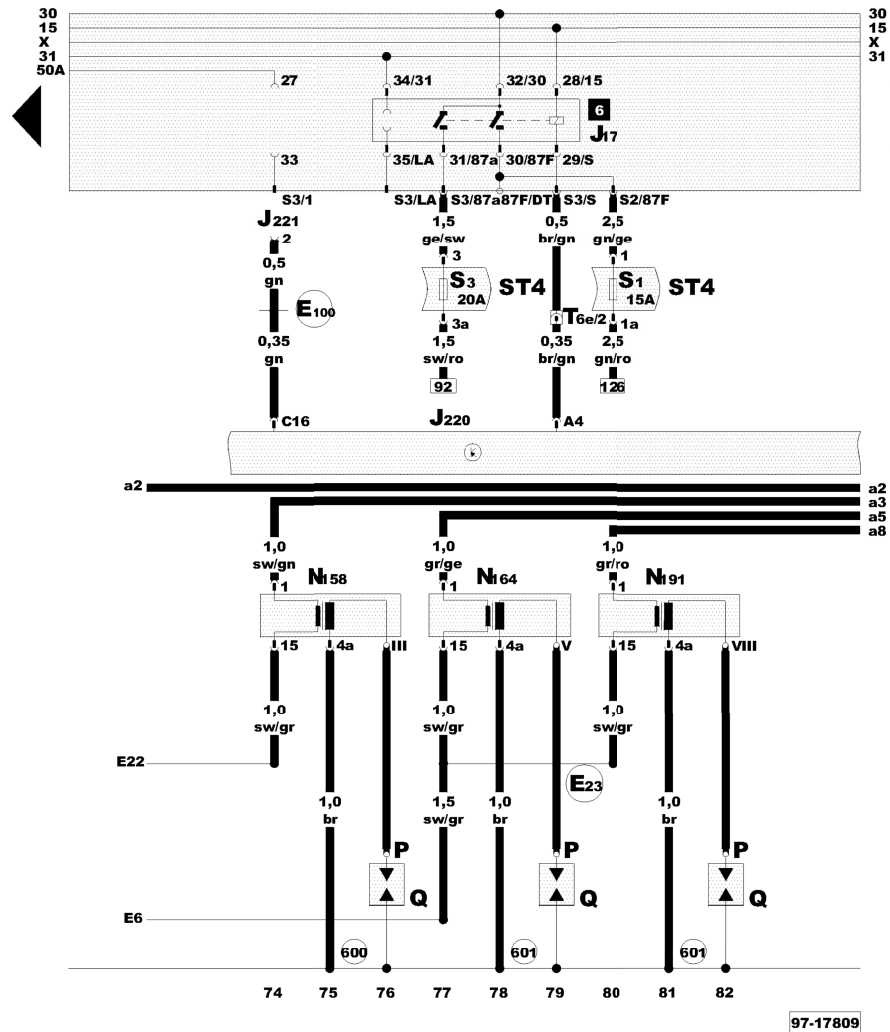
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 bl = blue  
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 ge = yellow  
 or = orange  
 rs = pink

97-16921

# Audi A8

## Current Flow Diagram

# No. 46 / 8



### Motronic control unit, fuel pump relay, ignition coils

- J17 - Fuel pump relay
- J220 - Motronic control unit
- J221 - Selector lever lock control unit
- N158 - Ignition coil 3
- N164 - Ignition coil 5
- N191 - Ignition coil 8
- P - Spark plug connector
- Q - Spark plugs
- S1 - Fuse in fuse carrier
- S3 - Fuse in fuse carrier
- T6e - 6-pin connector, brown, connector point, electronics box, plenum chamber
- 600 - Earth point, on cylinder head, right
- 601 - Earth point, on cylinder head, left
- E23 - Connection (15, ignition left), in Motronic wiring harness
- E100 - Connection (multi-function switch), in dash panel wiring harness

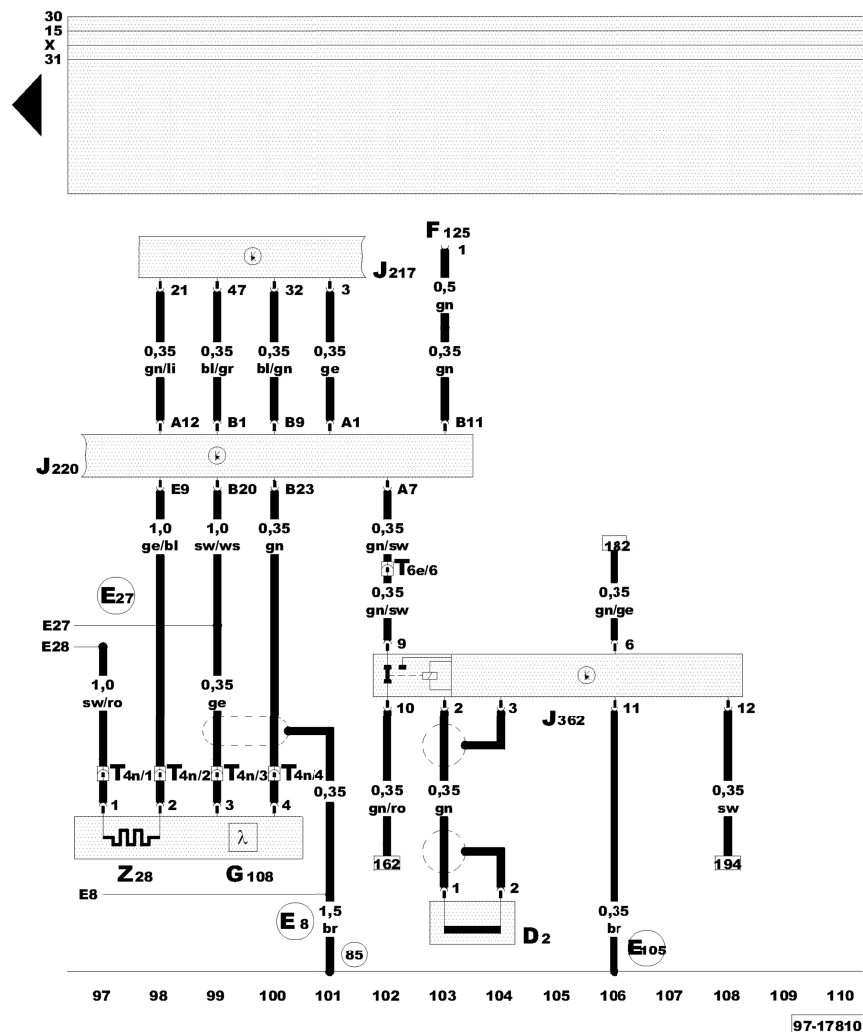
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 bl = blue  
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 ge = yellow  
 or = orange  
 rs = pink



# Audi A8

## Current Flow Diagram

### No. 46 / 10



#### Motronic control unit, automatic gearbox control unit, lambda probe 2, immobilizer

- D2 - Immobilizer reading coil
- F125 - Multi-function switch
- G108 - Lambda probe 2
- J217 - Automatic gearbox control unit
- J220 - Motronic control unit
- J362 - Immobilizer control unit
- T4n - 4-pin connector, black, near lambda probe 2
- T6e - 6-pin connector, brown, connector point, electronics box, plenum chamber
- Z28 - Lambda probe 2 heater
- 85 - Earth connection -1-, in engine compartment wiring harness
- E8 - Connection (screening), in Motronic wiring harness
- E27 - Connection (lambda probe signal), in Motronic wiring harness
- E105 - Earth connection, in dash panel wiring harness, left

ws = white  
 sw = black  
 ro = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = purple  
 ge = yellow  
 or = orange  
 rs = pink