

Golf

Fitting Locations

No. 805 / 1

Edition 09.2007

Control units in front part of vehicle

Overview of control units

1 - Power steering control unit -J500-

- ❑ Fitting location → [Page 805/34](#)
- ❑ Connector assignment → [Page 805/35](#)

2 - Motronic control unit - J220-

- ❑ Fitting location → [Page 805/9](#)
- ❑ 80-pin connector assignment → [Page 805/10](#)

2 - Engine control unit - J623-

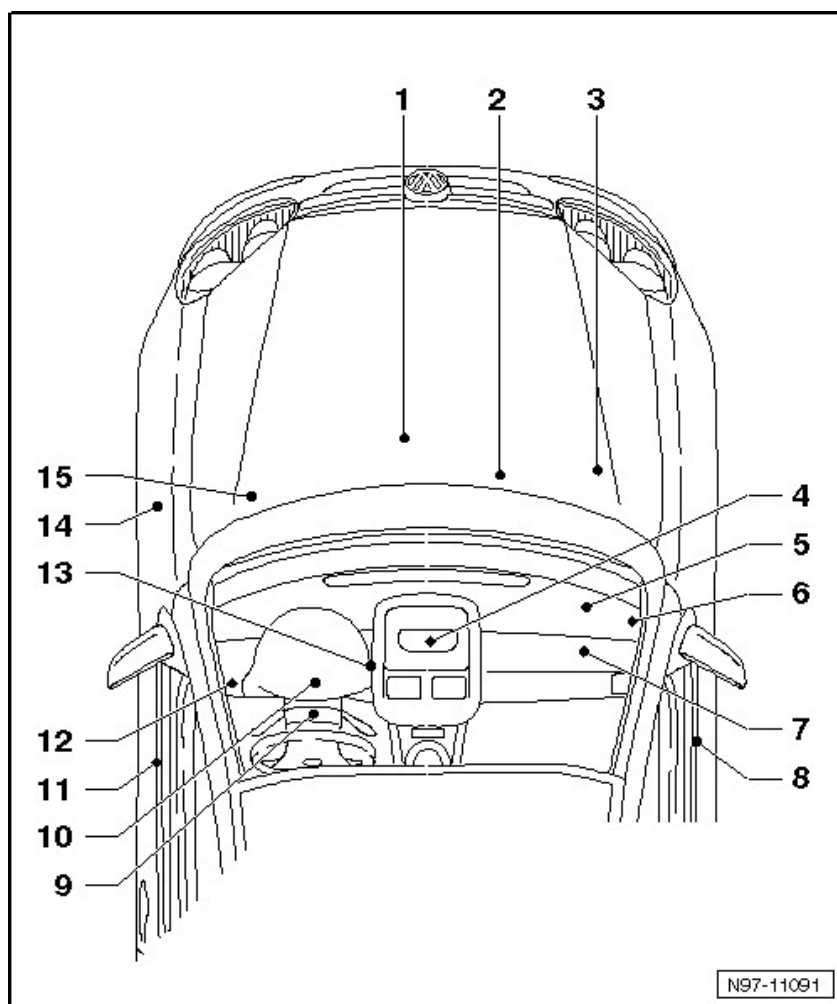
- ❑ Fitting location → [Page 805/9](#)
- ❑ 121-pin connector assignment → [Page 805/11](#)
- ❑ 154-pin connector assignment → [Page 805/12](#)

3 - ABS with EDL control unit -J104-

- ❑ Fitting location → [Page 805/6](#)
- ❑ 26-pin connector assignment (no ESP) → [Page 805/7](#)
- ❑ 47-pin connector assignment (with ESP) → [Page 805/8](#)

4 - Airbag control unit -J234-

- ❑ Fitting location → [Page 805/15](#)
- ❑ Connector assignment → [Page 805/16](#)



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Fitting Locations

No. 805 / 2

5 - Vehicle inclination sender -G384-

- ❑ Fitting location → Page 805/28

6 - Control unit for headlight range control -J431-

- ❑ Fitting location → Page 805/29
- ❑ Connector assignment → Page 805/30

7 - Convenience system central control unit -J393-

- ❑ Fitting location → Page 805/13
- ❑ Connector assignment → Page 805/14

8 - Front passenger door control unit -J387-

- ❑ Fitting location → Page 805/43
- ❑ Connector assignment → Page 805/44

9 - Steering column electronics control unit -J527-

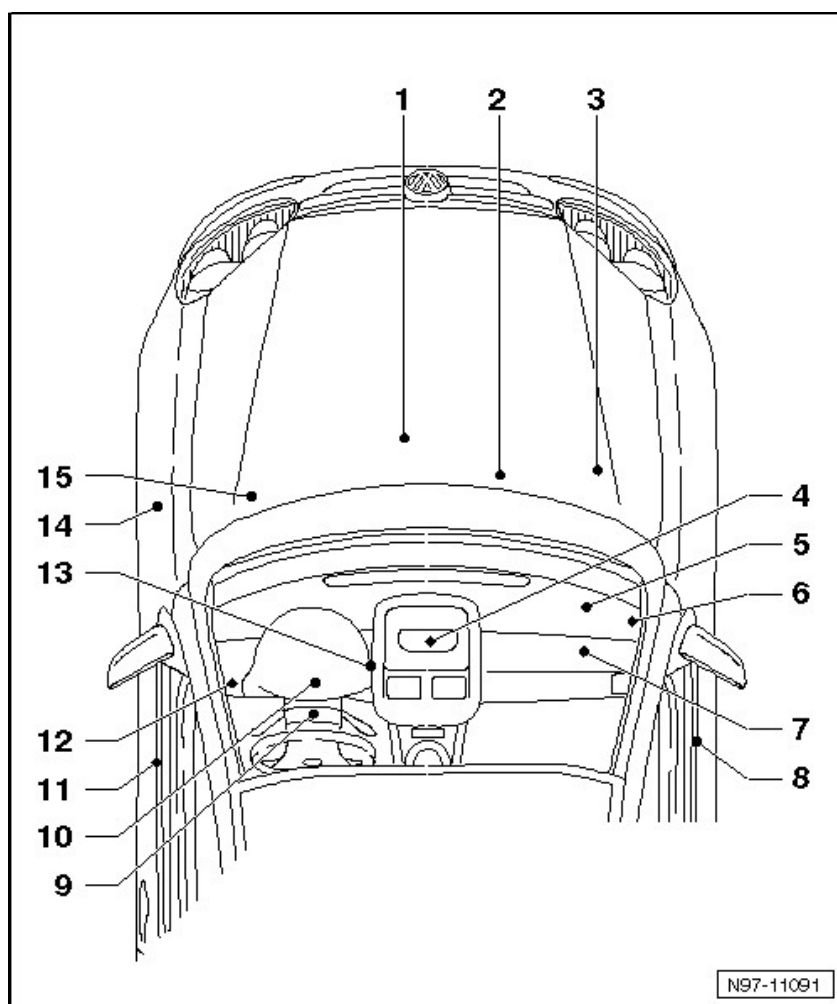
- ❑ Fitting location → Page 805/36
- ❑ Connector assignment → Page 805/37

10 - Dash panel insert -K-

- ❑ Connector assignment → Page 805/31

11 - Driver door control unit -J386-

- ❑ Fitting location → Page 805/45
- ❑ Connector assignment → Page 805/46



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Fitting Locations

No. 805 / 3

12 - Onboard supply control unit -J519-

- ❑ Fitting location → [Page 805/17](#)
- ❑ Connector assignment → [Page 805/18](#)

13 - Data bus diagnostic interface -J533-

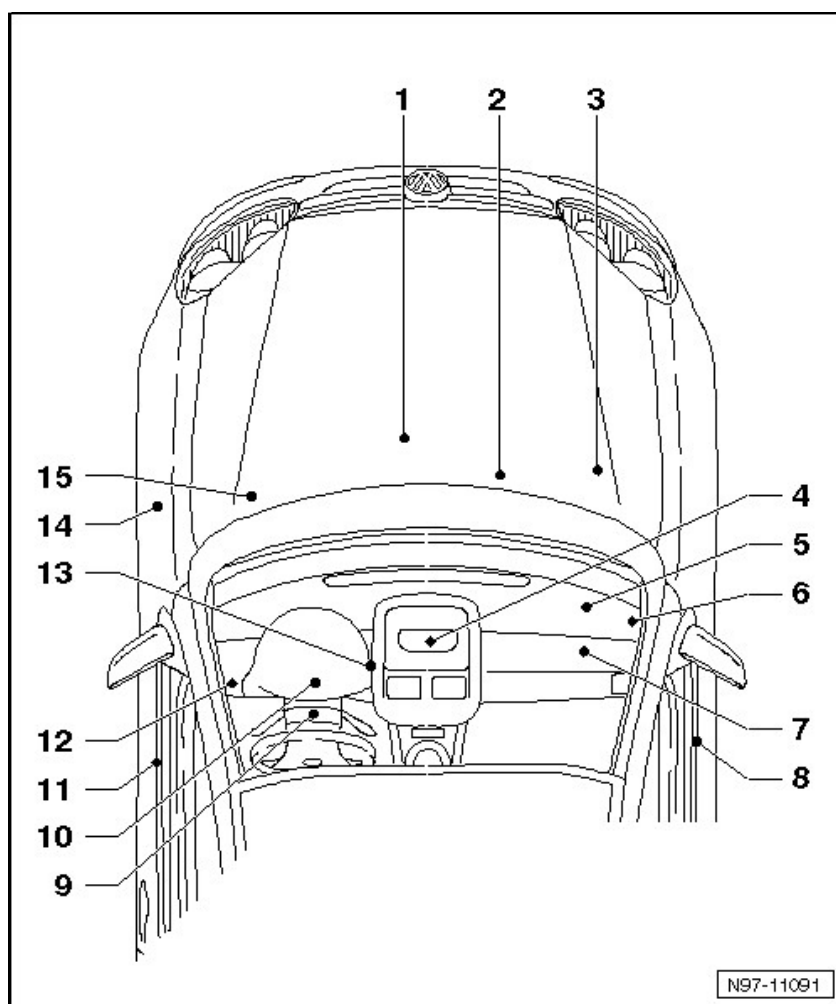
- ❑ Fitting location → [Page 805/26](#)
- ❑ Connector assignment → [Page 805/27](#)

14 - Automatic gearbox control unit -J217-

- ❑ Fitting location → [Page 805/4](#)
- ❑ Connector assignment → [Page 805/5](#)

15 - W-box coupling point

- ❑ Fitting location → [Page 805/47](#)
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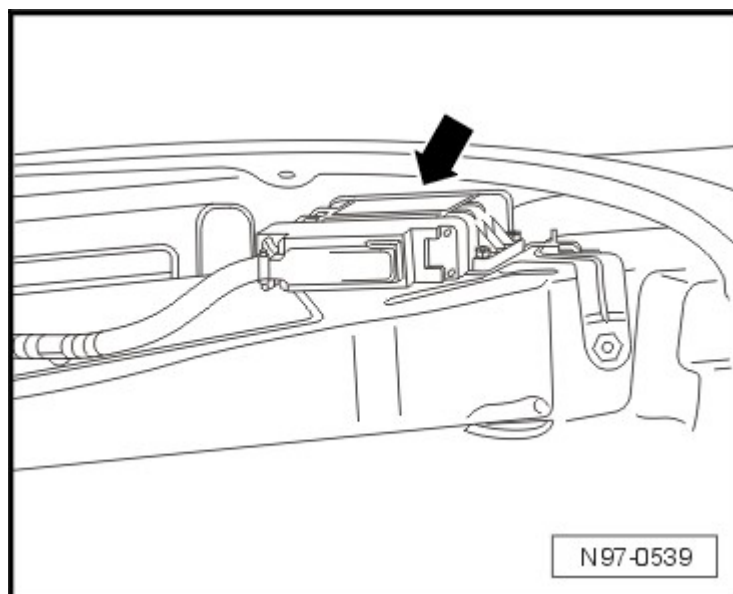
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Fitting Locations

No. 805 / 4

Automatic gearbox control unit -J217-**Fitting location:**

In front left wheel housing -arrow-



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Fitting Locations

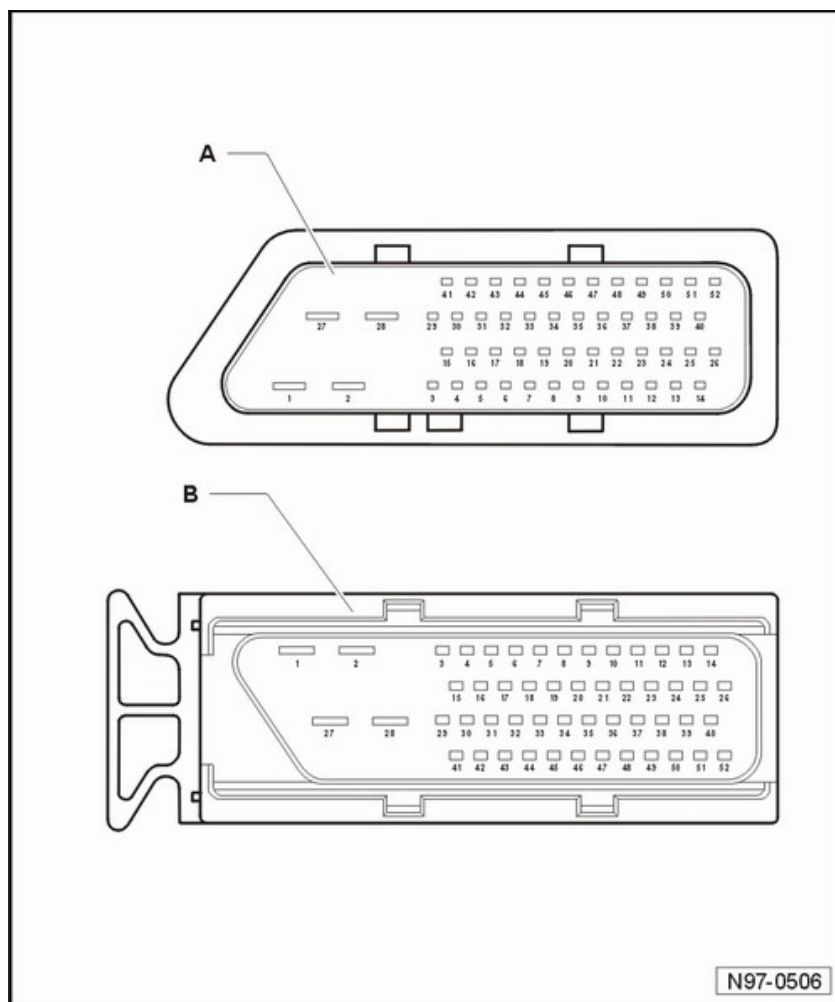
No. 805 / 5

Connector assignment:

**A - Automatic gearbox
control unit -J217-**

Connector:

**B - 52-pin connector -T52-,
on wiring harness**



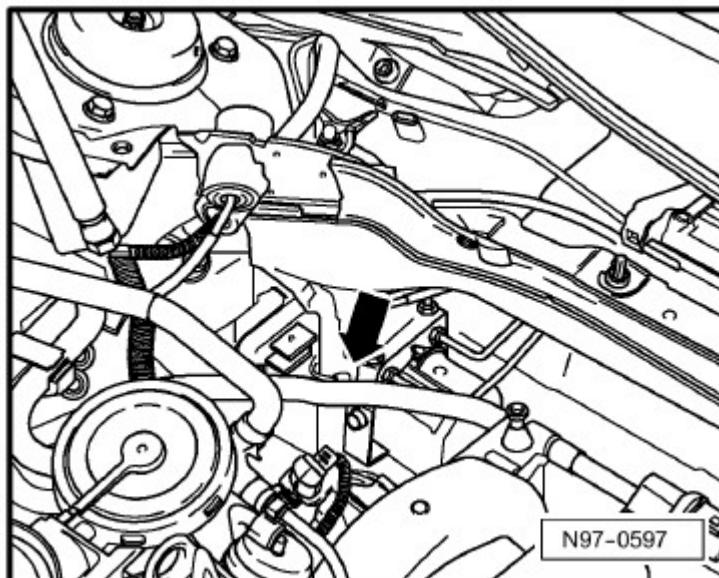
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Fitting Locations

No. 805 / 6

ABS with EDL control unit -J104-**Fitting location:**

On right of bulkhead in engine compartment -arrow-



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Fitting Locations

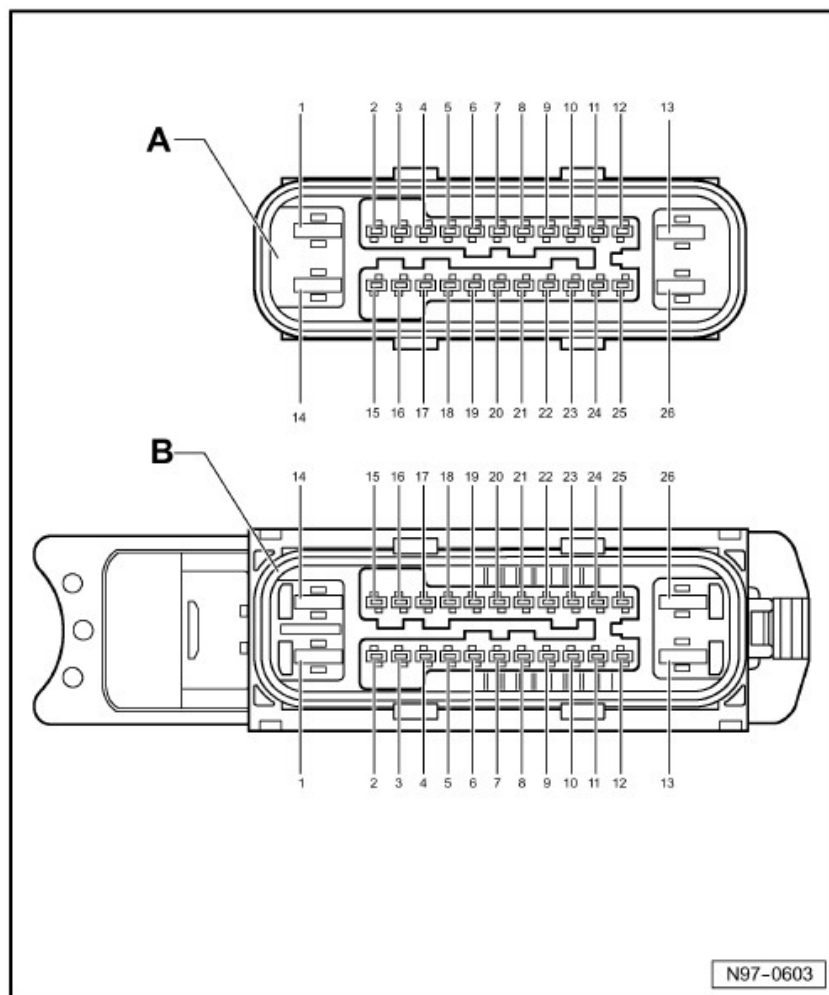
No. 805 / 7

26-pin connector assignment:

A - ABS with EDL control
unit -J104-

Connector:

B - 26-pin connector -T26a-
, on wiring harness



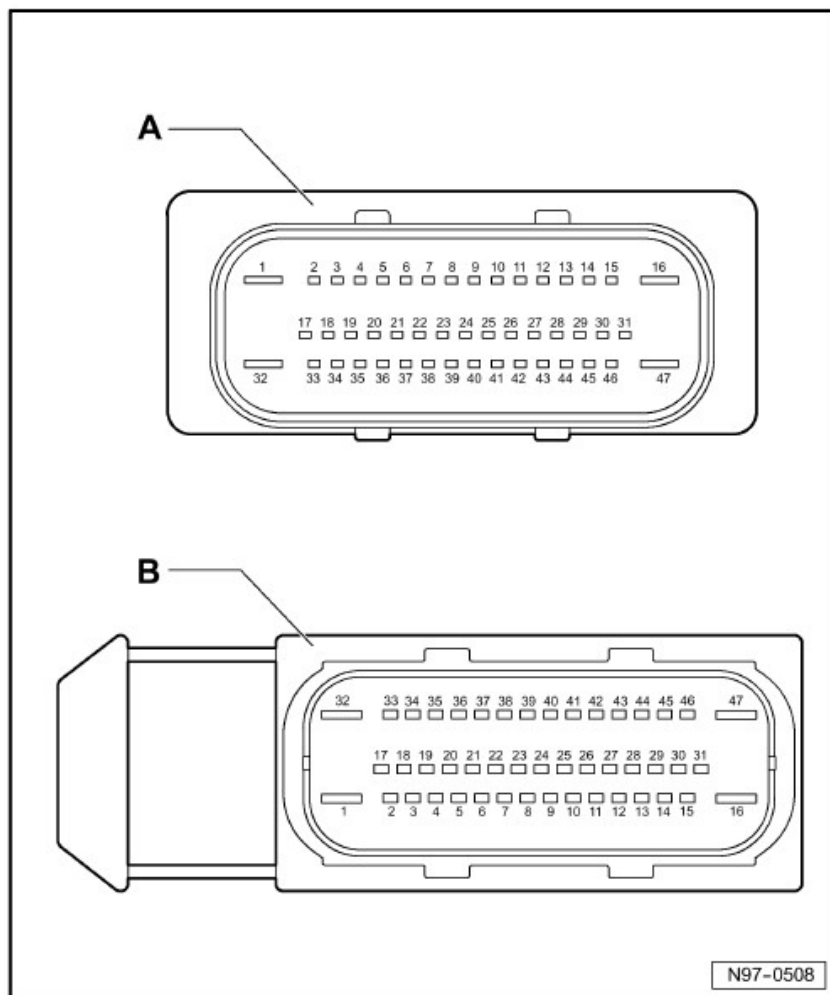
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Fitting Locations

No. 805 / 8

47-pin connector assignment:**A - ABS with EDL control unit -J104-**

- Only with ESP

Connector:**B - 47-pin connector -T47a-
, on wiring harness**

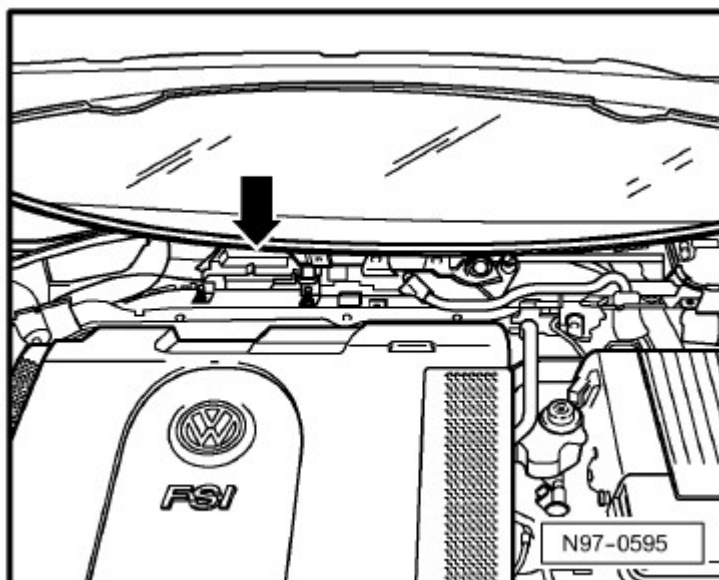
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Fitting Locations

No. 805 / 9

Motronic control unit -J220-, engine control unit -J623-**Fitting location:**

Central under plenum chamber cover -
arrow-



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Fitting Locations

No. 805 / 10

80-pin connector assignment:

A - Motronic control unit - J220-

Connector:

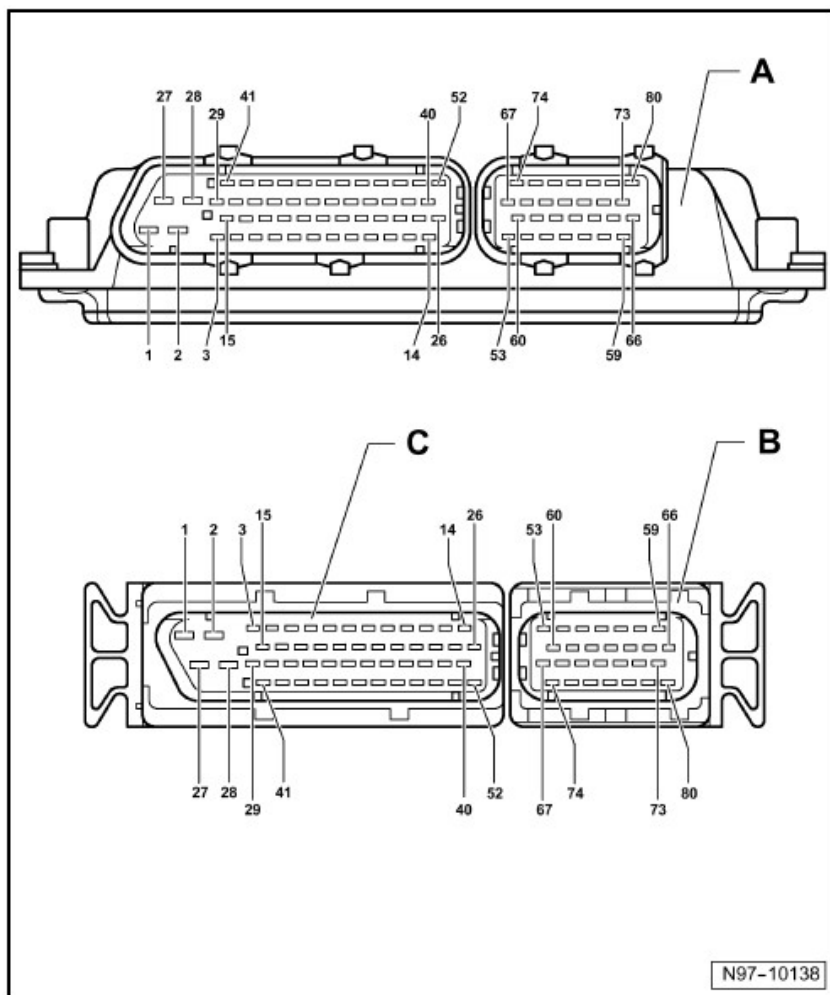
B - 28-pin connector -T80-,
on wiring harness

C - 52-pin connector -T80-,
on wiring harness



Note:

-T80- is comprised of
items B and C.



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Fitting Locations

No. 805 / 11

121-pin connector assignment:

A - Engine control unit - J623-

Connector:

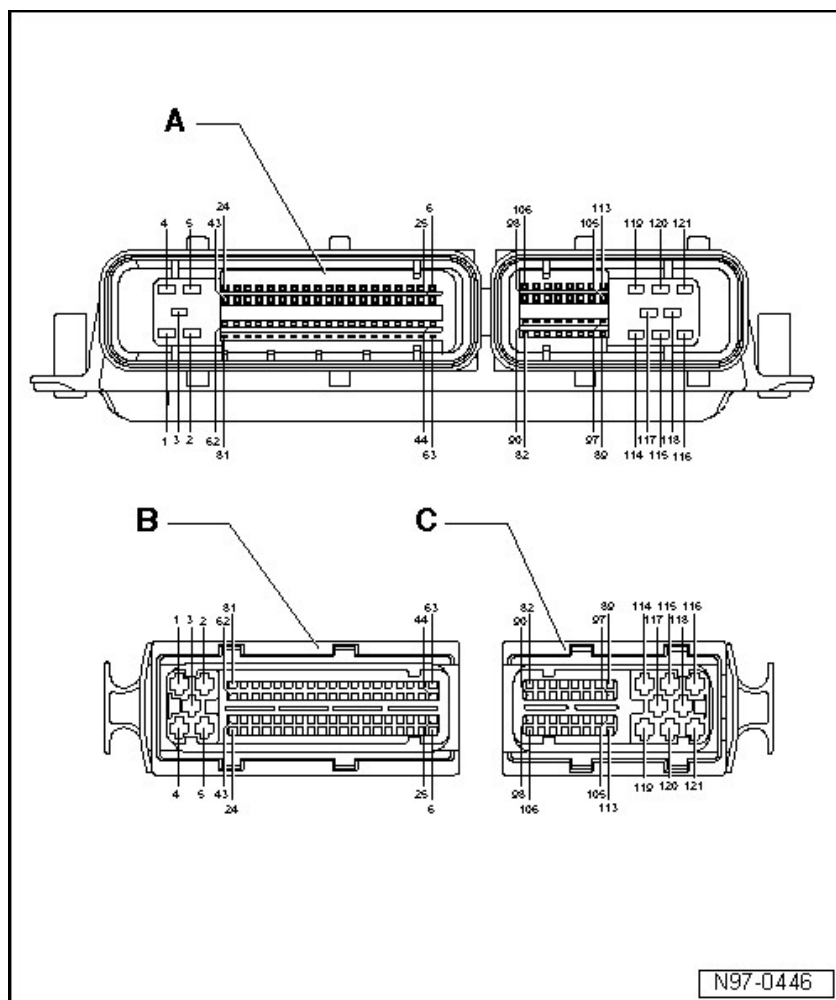
**B - 81-pin connector -T121-
 , on wiring harness**

**C - 40-pin connector -T121-
 , on wiring harness**



Note:

*-T121- is comprised of
 items B and C.*



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Fitting Locations

No. 805 / 12

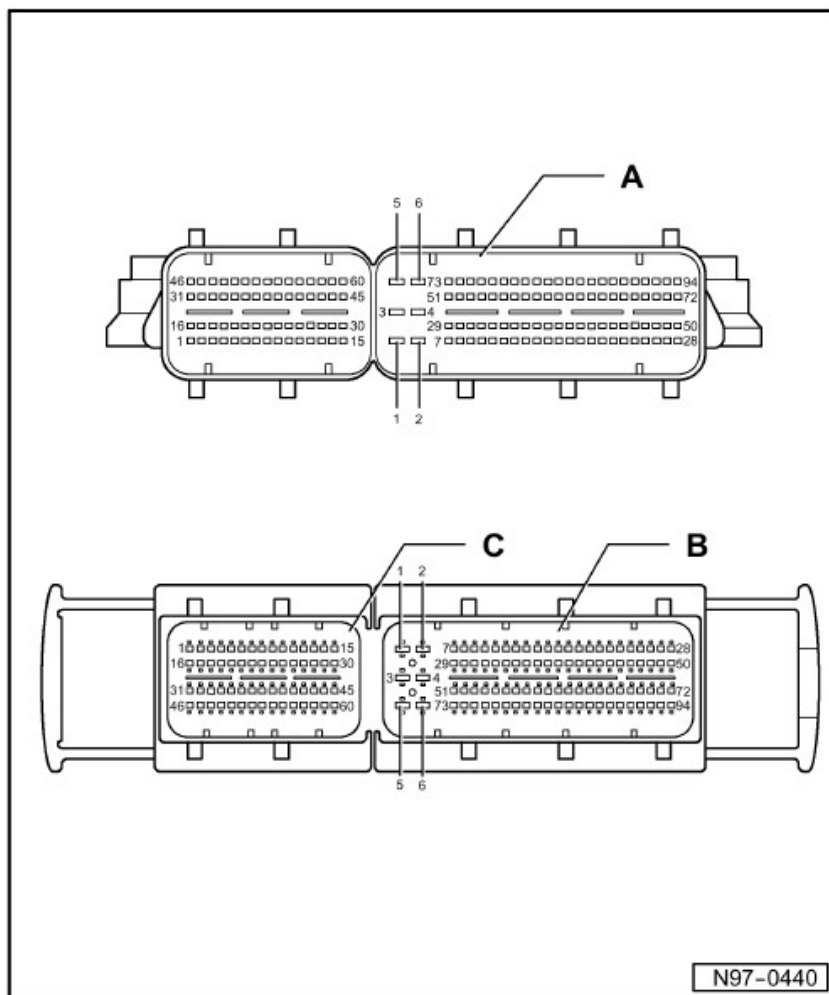
154-pin connector assignment:

A - Engine control unit - J623-

Connector:

**B - 94-pin connector -T94-,
on wiring harness**

**C - 60-pin connector -T60-,
on wiring harness**



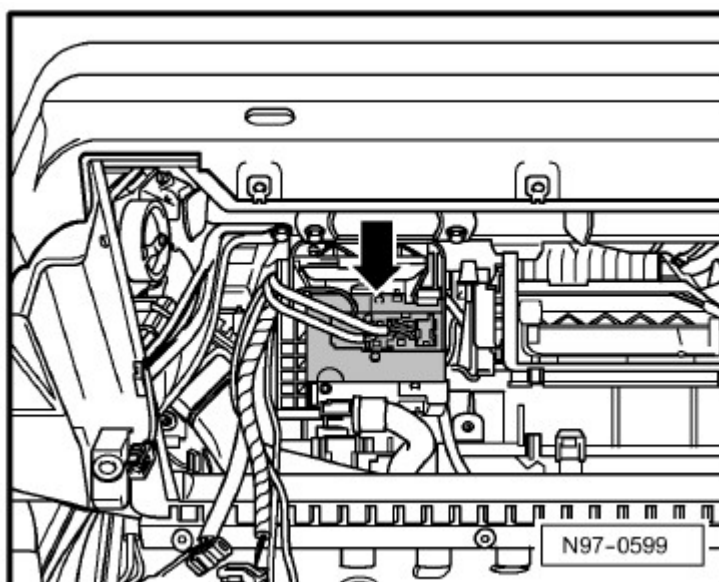
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Fitting Locations

No. 805 / 13

**Convenience system central control unit -
J393-****Fitting location:**

Under dash panel, behind glove
compartment -arrow-



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Fitting Locations

No. 805 / 14

Connector assignment:

A - Convenience system
central control unit -
J393-

Connector:

B - 6-pin connector -T6m-,
on wiring harness

C - 18-pin connector -T18-,
on wiring harness

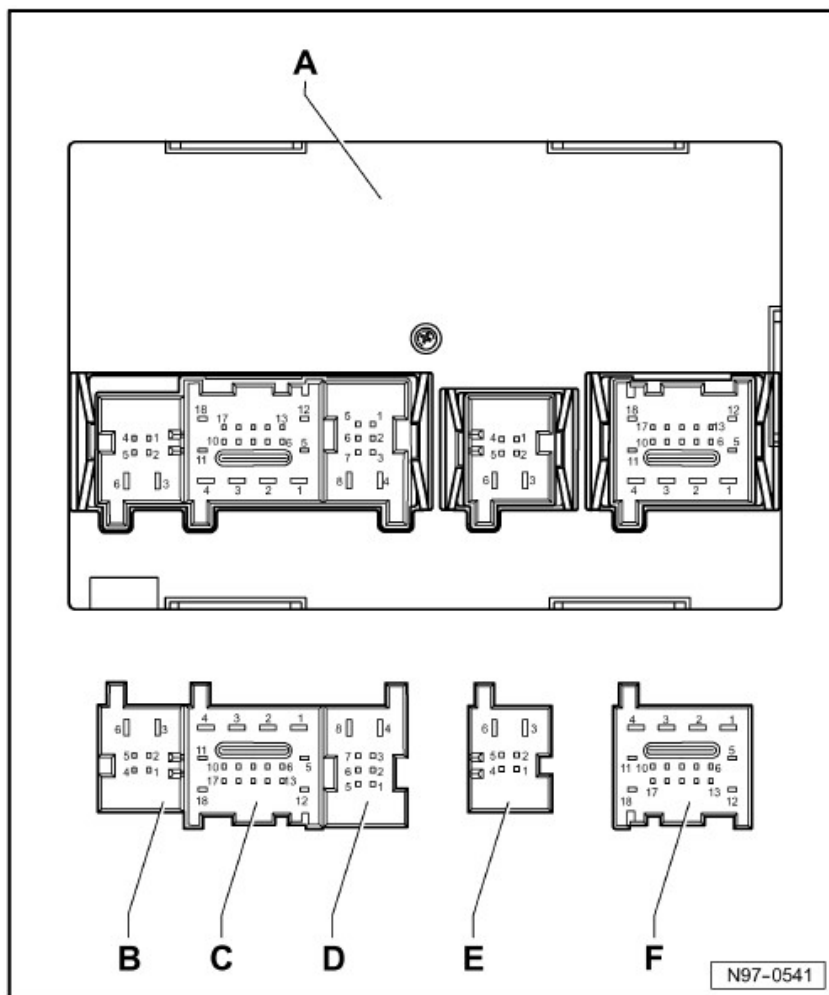
D - 8-pin connector -T8n-,
on wiring harness

E - 6-pin connector -T6-,
on wiring harness

F - 18-pin connector -T18a-
, on wiring harness

**Note:**

*Connector T18a is not
used on vehicles with 2-
doors.*



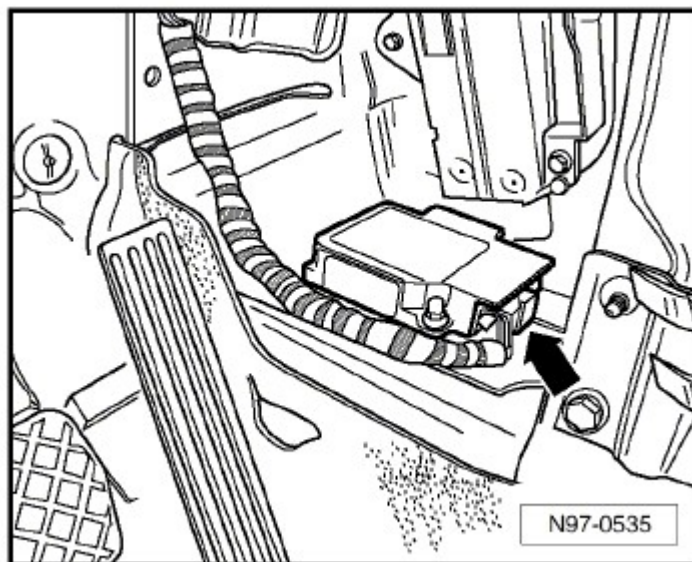
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Fitting Locations

No. 805 / 15

Airbag control unit -J234-**Fitting location:**

Under centre console -arrow-



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Fitting Locations

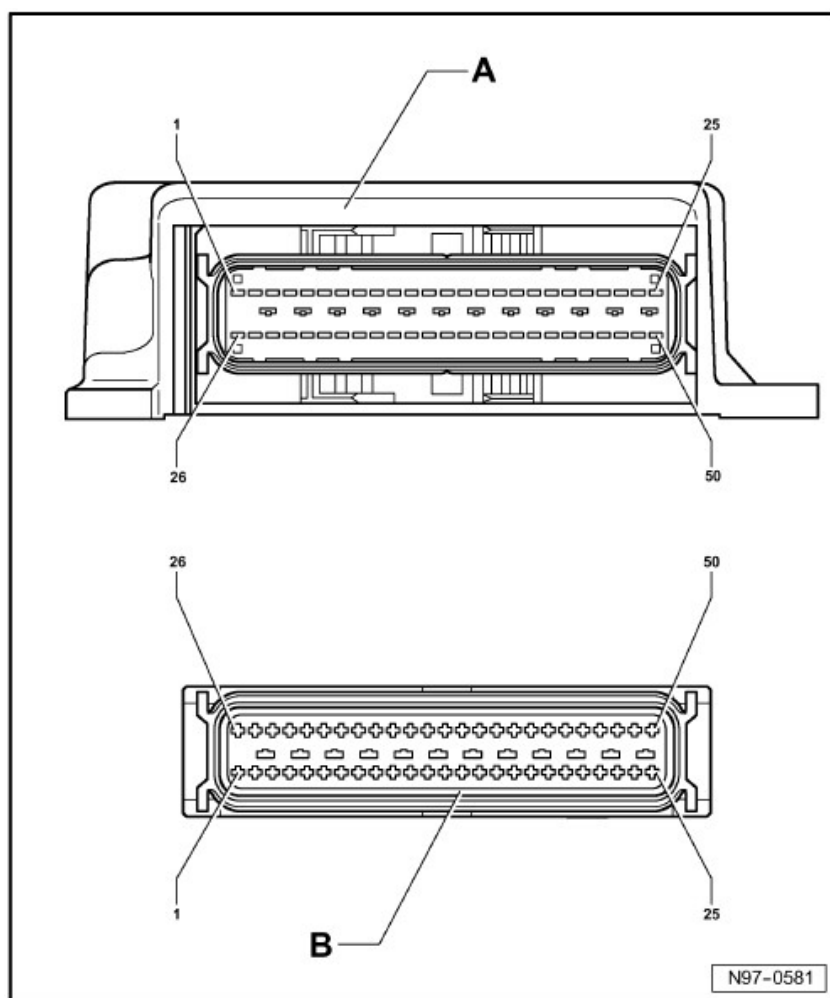
No. 805 / 16

Connector assignment:

A - Airbag control unit -
J234-

Connector:

B - 50-pin connector -T50-,
on wiring harness



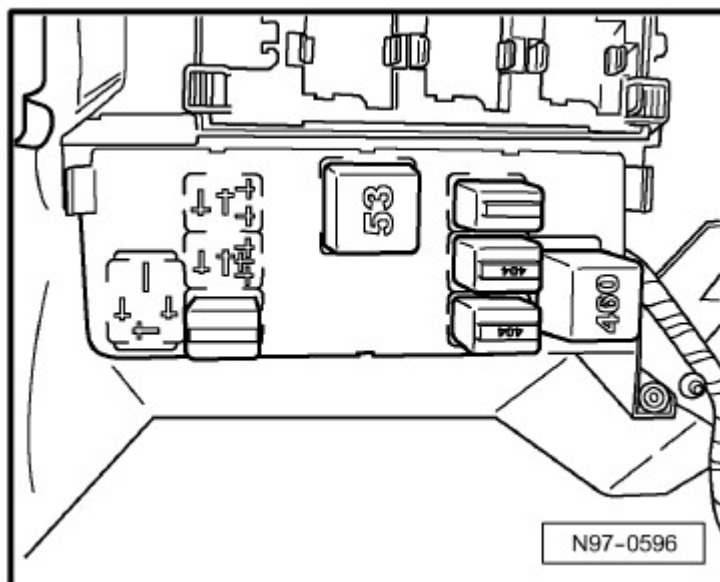
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Fitting Locations

No. 805 / 17

Onboard supply control unit -J519-**Fitting location:**

On left under dash panel, below relay carrier -arrow-



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Fitting Locations

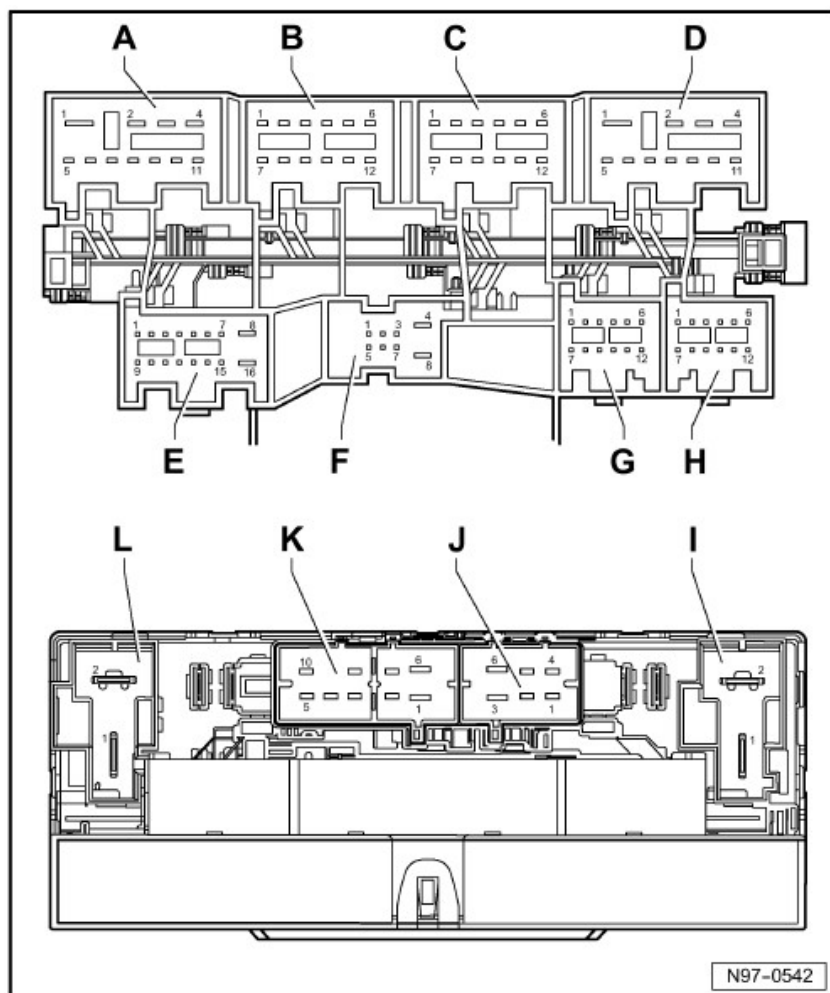
No. 805 / 18

Connector assignment:**A = 11-pin connector:**

- 1 - Terminal 30
- 2 - Right dipped beam bulb
- 3 - Right main beam bulb
- 4 - Right fog light bulb
- 5 - Right gas discharge (xenon) bulb
- 6 - Front right turn signal bulb
- 7 - Left side light bulb
- 8 - Left side repeater turn signal (NAR)
- 9 - Earth
- 10 - Electric fuel pump relay
- 11 - Terminal 50 voltage supply relay 2

B = 12-pin connector:

- 1 - Right reversing light bulb



N97-0542

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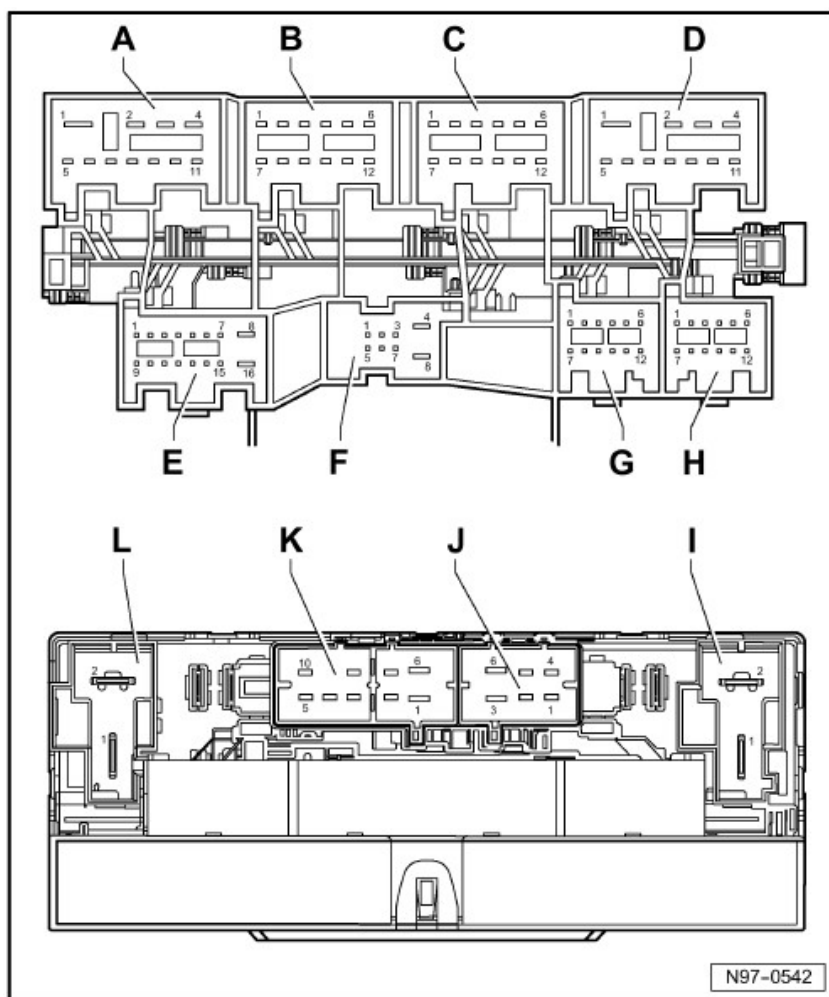
Fitting Locations

No. 805 / 19

- 1 - Not assigned
- 2 - Not assigned
- 3 - Rear left fog light bulb
- 4 - Right brake and tail light bulb
- 5 - Not assigned
- 6 - Not assigned
- 7 - Front left entry light, front right entry light
- 8 - Not assigned
- 9 - Right tail light bulb
- 10 - Rear right turn signal bulb
- 11 - Front interior light
- 12 - Terminal 58d

C = 12-pin connector:

- 1 - Left brake light bulb
- 2 - Heated driver seat control unit, heated front passenger seat control unit
- 3 - Rear right fog light bulb



N97-0542

Golf

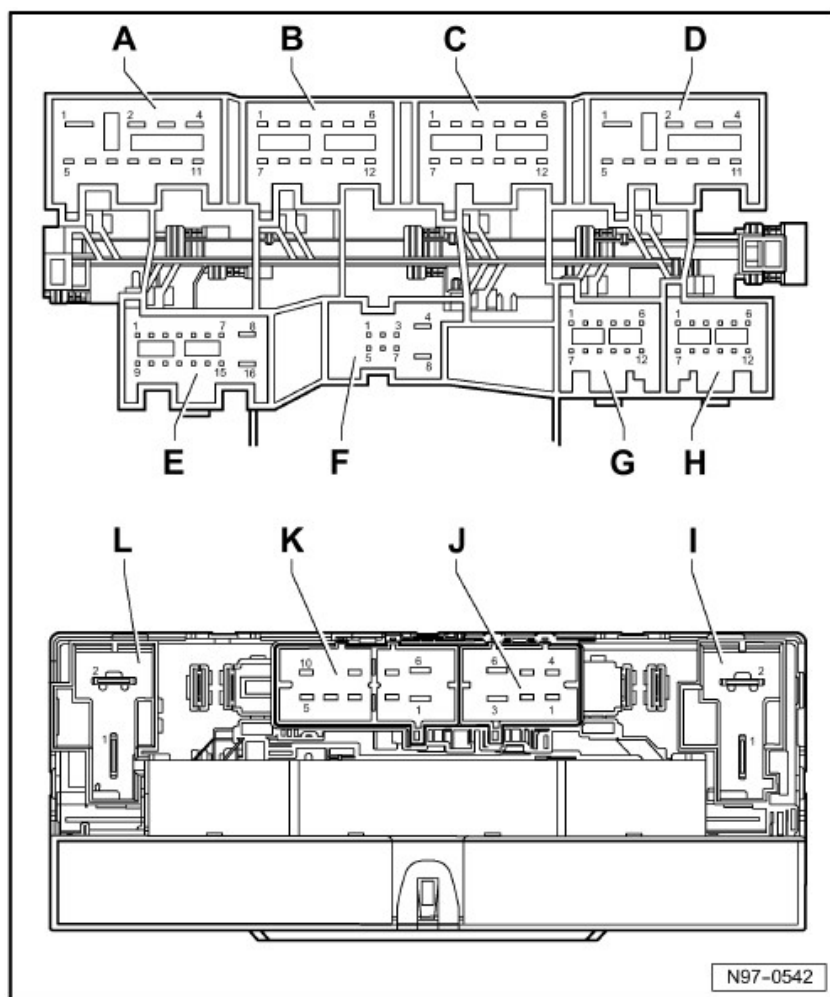
Fitting Locations

No. 805 / 20

- 1 - Not assigned
- 2 - Not assigned
- 3 - Not assigned
- 4 - Sliding/tilting sunroof enabled
- 5 - Number plate light
- 6 - High level brake light bulb
- 7 - Left tail light bulb
- 8 - Rear left turn signal bulb
- 9 - Reversing light bulb

D = 11-pin connector:

- 1 - Terminal 30
- 2 - Left fog light bulb
- 3 - Left main beam bulb
- 4 - Left dipped beam bulb
- 5 - Earth
- 6 - Left gas discharge (xenon) bulb
- 7 - Terminal 15 voltage supply relay
- 8 - Headlight washer system relay



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Fitting Locations

No. 805 / 21

9 - Right side repeater turn signal (USA/Canada)

10 - Right side light bulb

11 - Front left turn signal bulb

E = 16-pin connector:

1 - Light switch, terminal 58

2 - Brake light switch

3 - Coming Home / Leaving Home earth

4 - Coming Home / Leaving Home terminal 30

5 - Not assigned

6 - Fog light switch

7 - Earth (only for manual gearbox), mechatronics for dual clutch gearbox (only for dual clutch gearbox), multifunction switch (only for automatic gearbox)

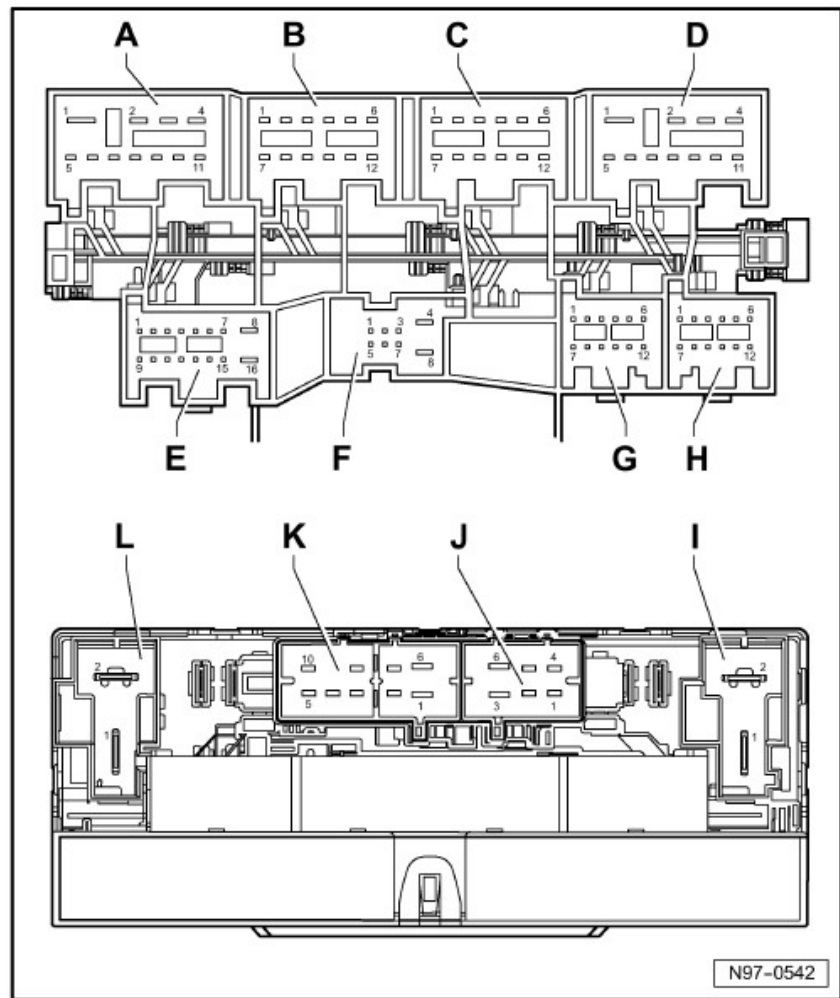
8 - Light switch, terminal 56

9 - Not assigned

10 - Not assigned

11 - Not assigned

12 - Coming Home / Leaving Home signal



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Fitting Locations

No. 805 / 22

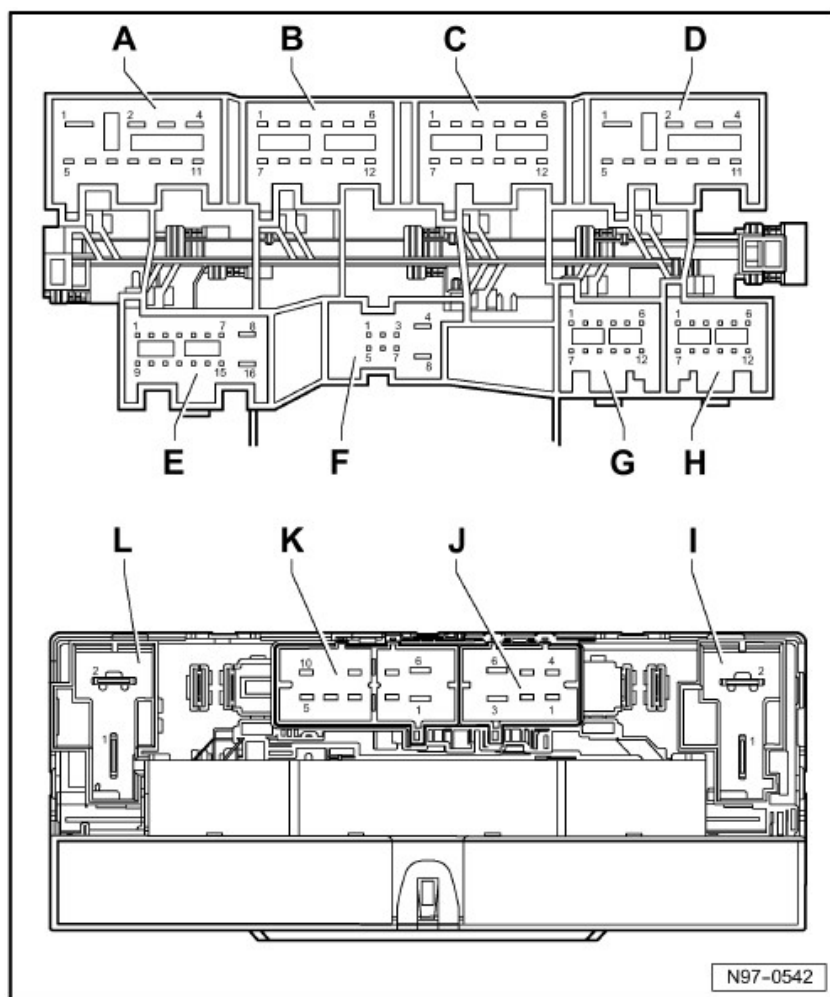
- 1 - Light switch (rear fog light)
- 2 - Light switch (driving light assist)
- 3 - Not assigned
- 4 - Light switch (day driving light)

F = 8-pin connector:

- 1 - Terminal 50 voltage supply relay
- 2 - Terminal 15 voltage supply relay
- 3 - Windscreen wiper motor, rain and light detector sensor (LIN bus)
- 4 - Alternator
- 5 - Bonnet contact switch
- 6 - Reversing light switch
- 7 - Terminal 20
- 8 - Terminal 31

G = 12-pin connector:

- 1 - Steering column electronics control unit terminal 50



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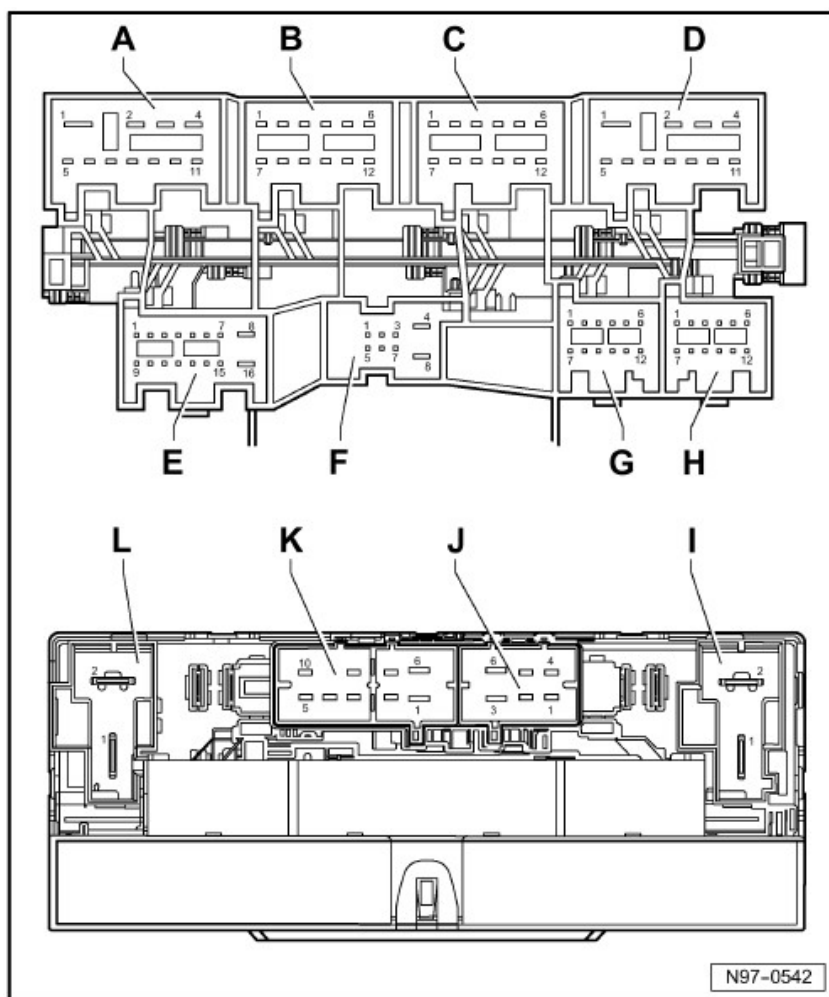
Fitting Locations

No. 805 / 23

- 2 - Hazard warning light system warning lamp
- 3 - Heated rear window
- 4 - Illumination regulators, switches, instruments
- 5 - Not assigned
- 6 - Heated rear window button
- 7 - Convenience CAN bus, low
- 8 - Convenience CAN bus, high
- 9 - Hazard warning light switch
- 10 - Illumination regulators, switches, instruments
- 11 - Steering column electronics control unit terminal 15
- 12 - Illumination regulators, switches, instruments

H = 12-pin connector:

- ◆ Connector H vacant



Golf

Fitting Locations

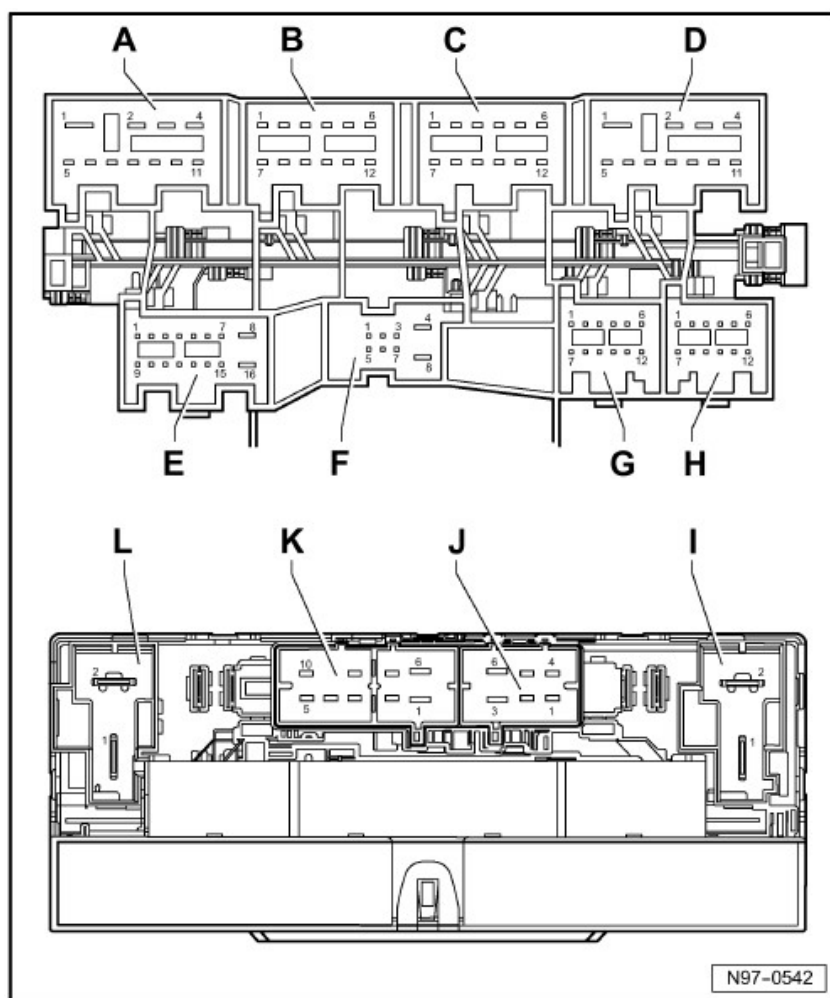
No. 805 / 24

I = 2-pin connector:

- 1 - Fuses terminal 75
- 2 - Terminal 75x

J = 6-pin connector:

- 1 - Windscreen and rear window washer pump fuse
- 2 - Rear window wiper motor, windscreen and rear window washer pump
- 3 - Horn fuse
- 4 - Rear window wiper motor, windscreen and rear window washer pump
- 5 - Double washer pump terminal 31
- 6 - Treble tone horn, bass tone horn



Golf

Fitting Locations

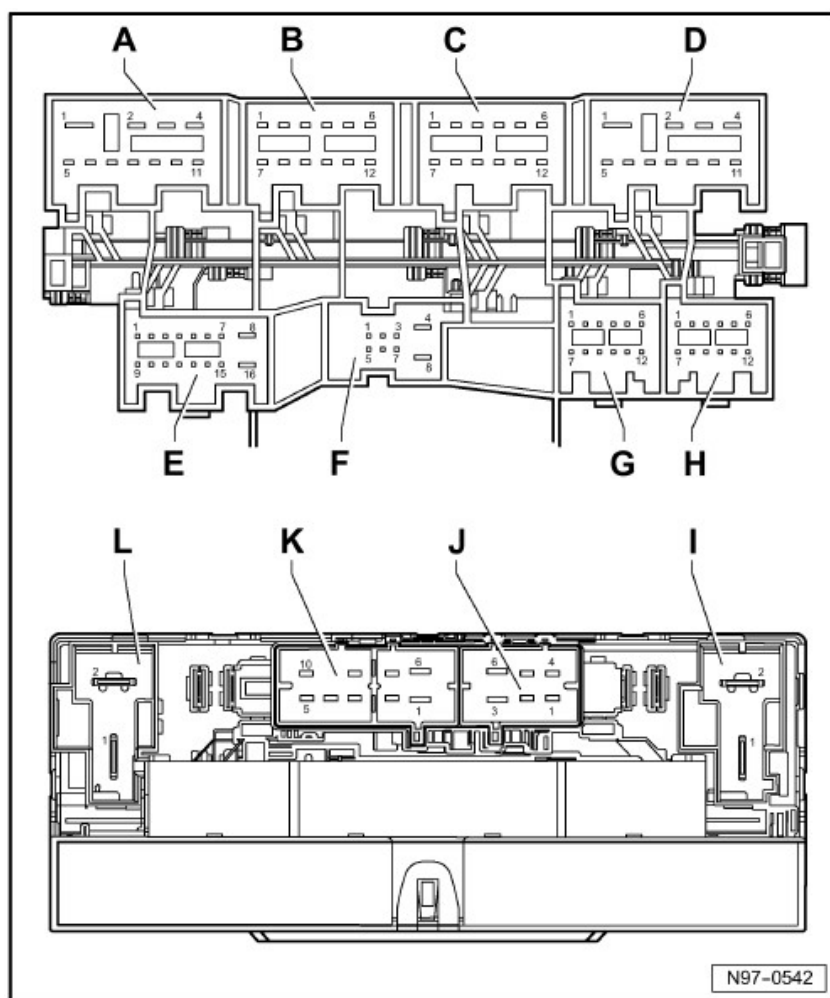
No. 805 / 25

K = 10-pin connector:

- 1 - Heated rear window
- 2 - Not assigned
- 3 - Not assigned
- 4 - Not assigned
- 5 - Terminal 30g fuse
- 6 - Heated rear window fuse
- 7 - Not assigned
- 8 - Not assigned
- 9 - Not assigned
- 10 - Terminal 30g

L = 2-pin connector:

- 1 - Interior terminal 15 fuse
- 2 - Interior terminal 15



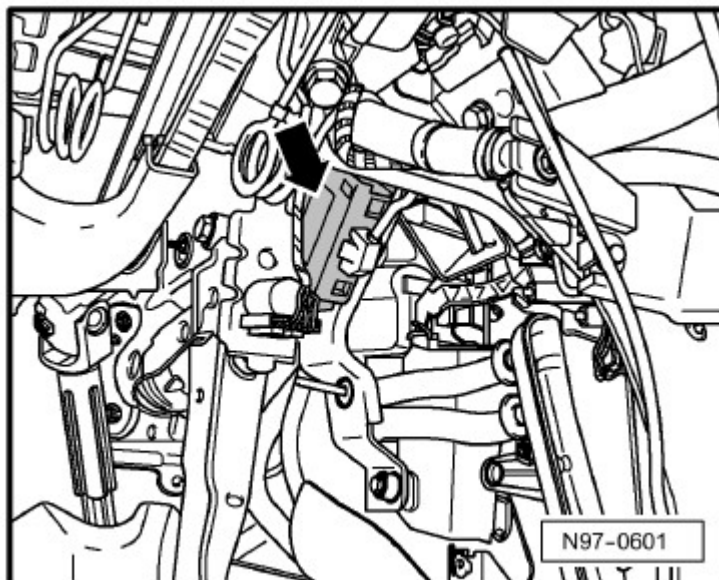
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Fitting Locations

No. 805 / 26

Data bus diagnostic interface -J533-**Fitting location:**

In left footwell near centre console -arrow-



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Fitting Locations

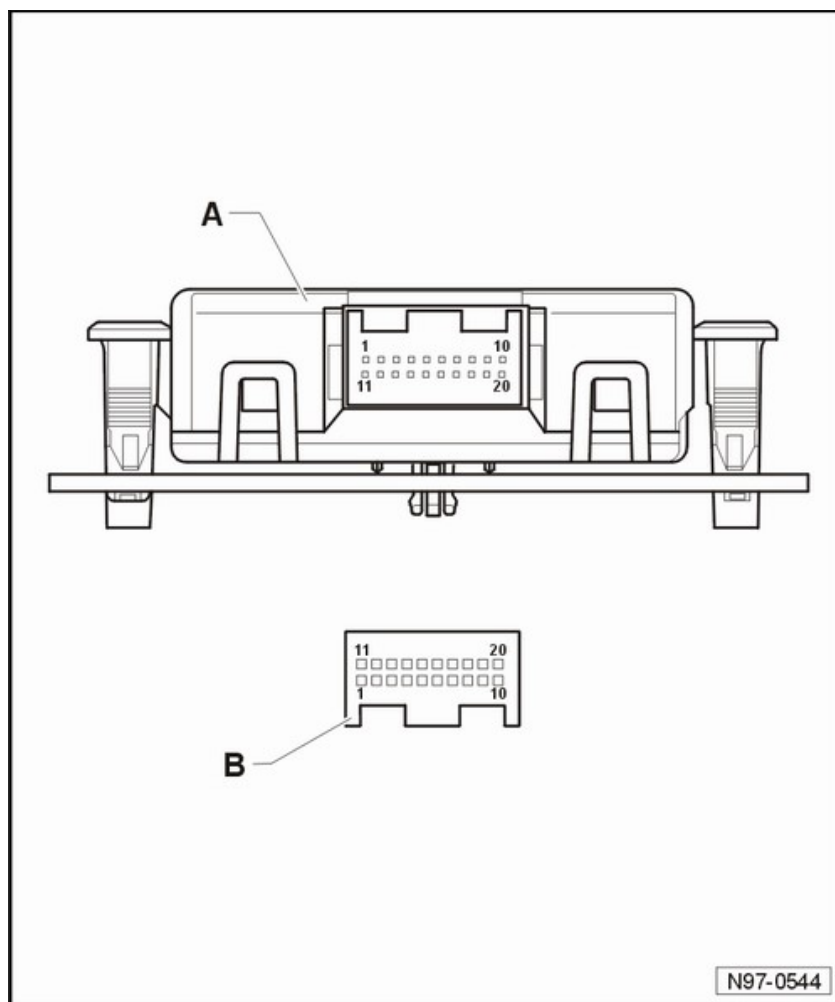
No. 805 / 27

Connector assignment:

A - Data bus diagnostic
interface -J533-

Connector:

B - 20-pin connector -T20-,
on wiring harness



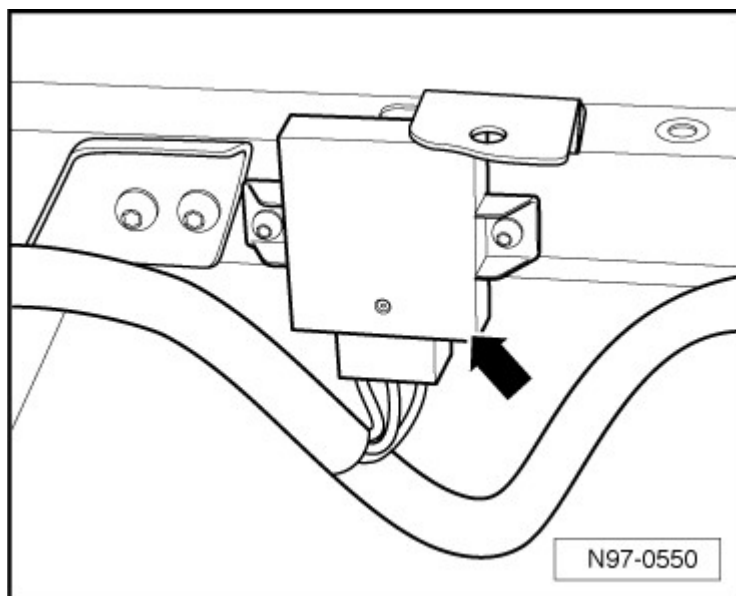
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Fitting Locations

No. 805 / 28

Vehicle inclination sender -G384-**Fitting location:**

Below the dash panel on right, behind the front passenger airbag -arrow-



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Fitting Locations

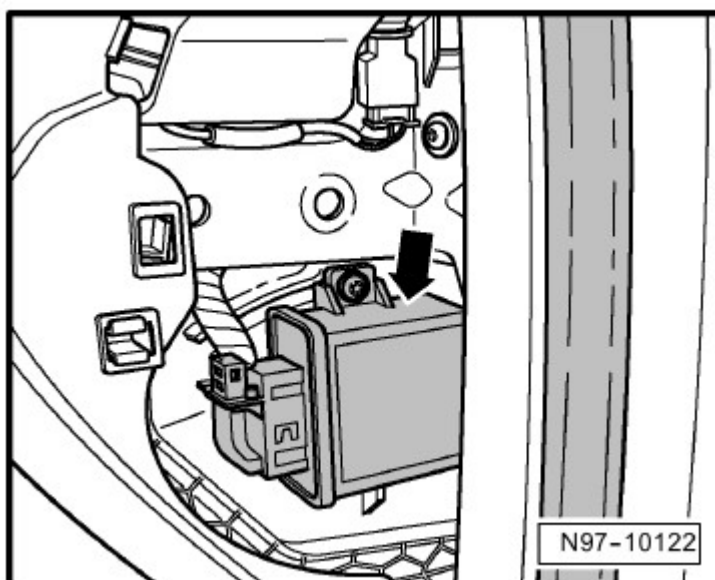
No. 805 / 29

Control unit for headlight range control -J431

-

Fitting location:

On right of glove compartment -arrow-



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Fitting Locations

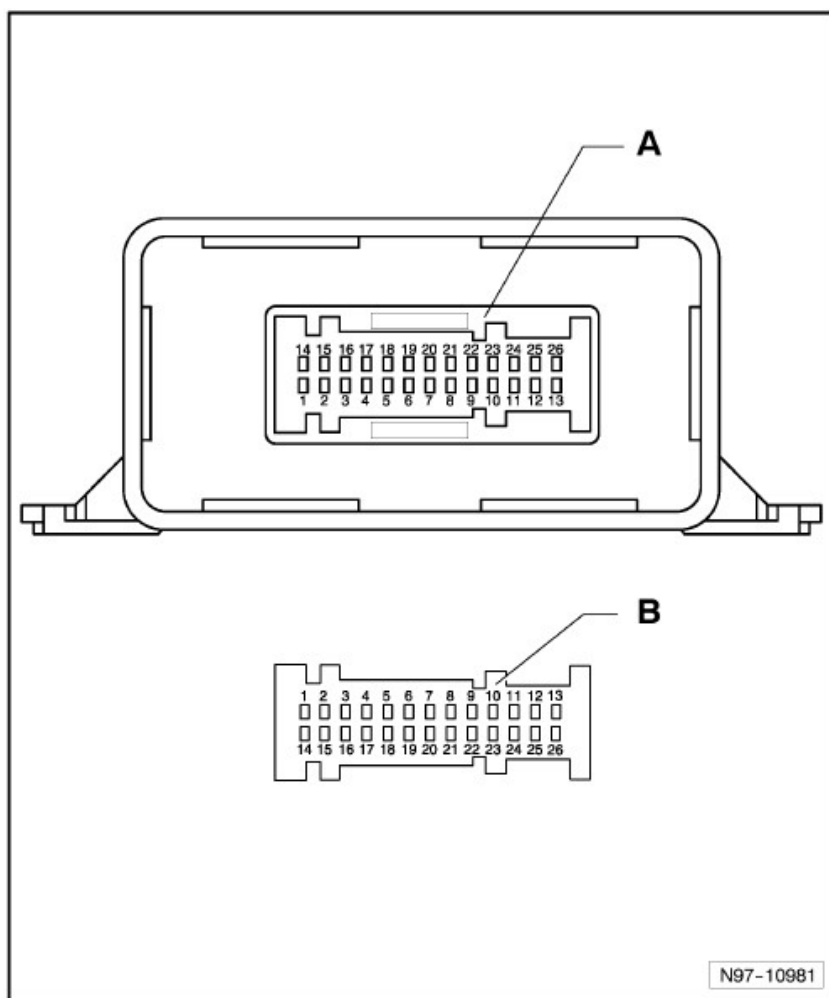
No. 805 / 30

Connector assignment:

A - Control unit for
headlight range control
-J431-

Connector:

B - 26-pin connector -T26b-
, on wiring harness



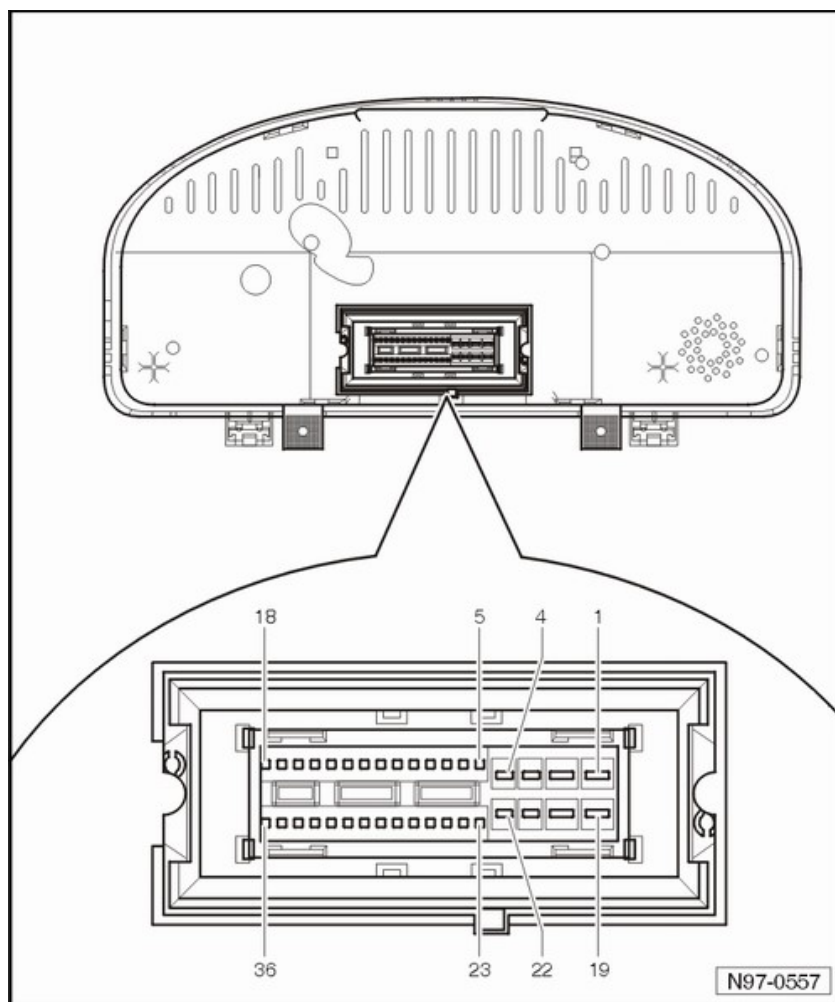
Golf

Fitting Locations

No. 805 / 31

Dash panel insert -K-**Connector:**

- 1 - Terminal 15
- 2 - Terminal 30
- 3 - Not assigned
- 4 - Rear fog light warning lamp
- 5 - Brake fluid level warning lamp
- 6 - Handbrake warning lamp
- 7 - Immobilizer reader coil 1
- 8 - Immobilizer reader coil 2
- 9 - Not assigned
- 10 - Not assigned
- 11 - Not assigned
- 12 - Diagnostic interface for dash panel CAN data bus, low
- 13 - Diagnostic interface for dash panel CAN data bus, high
- 14 - Dash panel CAN, screening

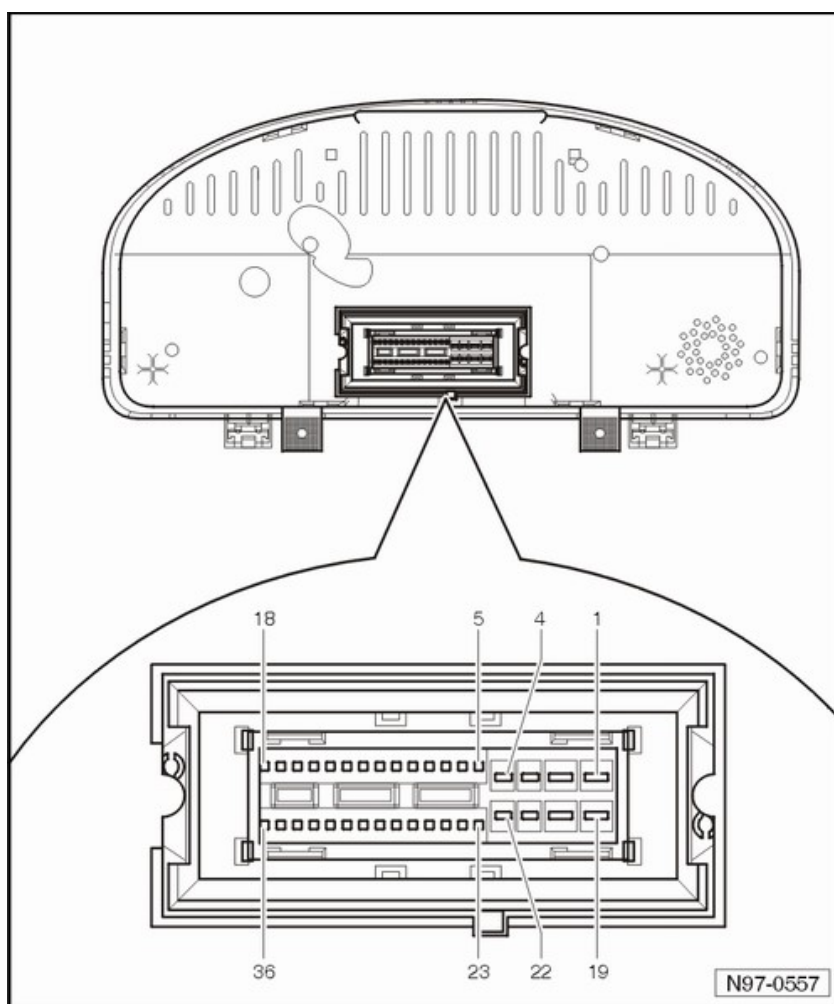


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Fitting Locations

No. 805 / 32

- 15 - Data bus diagnostic interface for dash panel
CAN wake-up wire
- 16 - Fuel gauge sender (4 Motion)
- 17 - Fuel gauge sender (full)
- 18 - Fuel gauge sender (empty)
- 19 - Terminal 31 (load)
- 20 - Fuel gauge sender
- 21 - Not assigned
- 22 - Front left brake pad wear sender
- 23 - Not assigned
- 24 - Fuel tank flap lock warning lamp
- 25 - Oil pressure warning lamp
- 26 - Oil level and oil temperature sender
- 27 - Not assigned
- 28 - Speed signal, sliding sunroof control unit output, control unit with display for radio and navigation system
- 29 - Speed signal input

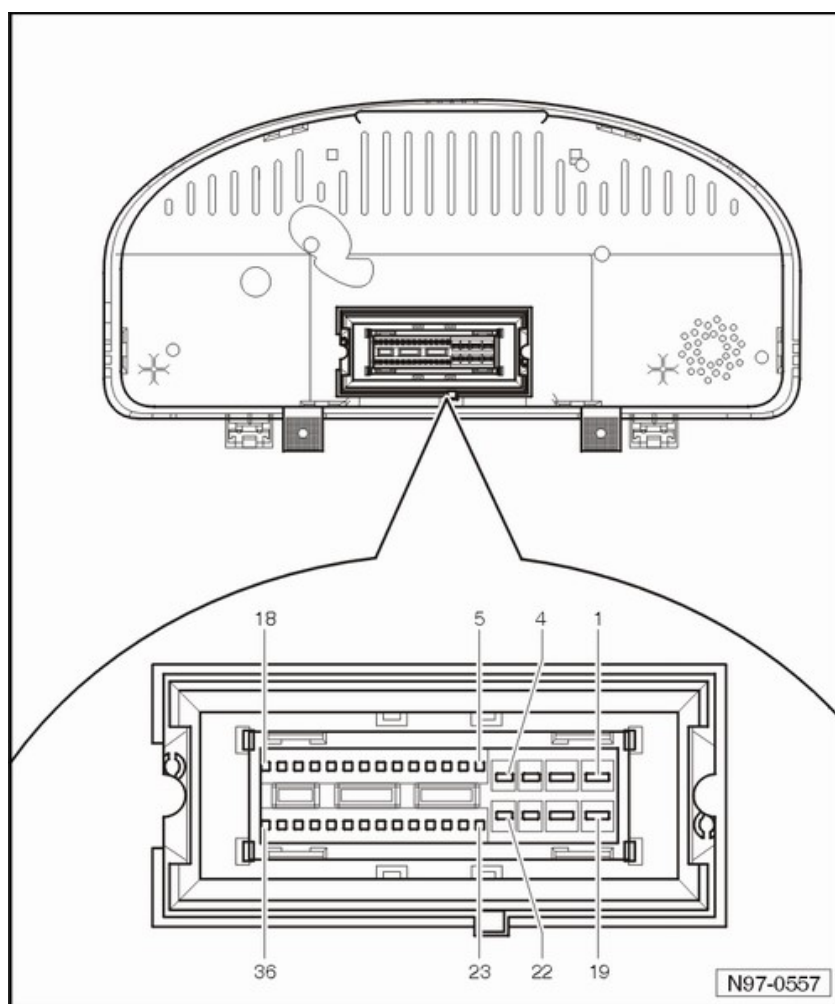


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Fitting Locations

No. 805 / 33

- 30 - Not assigned
- 31 - Not assigned
- 32 - Not assigned
- 33 - Terminal 31, sensor earth
- 34 - Washer fluid level warning lamp
- 35 - Coolant temperature and coolant shortage warning lamp
- 36 - Ambient temperature sensor



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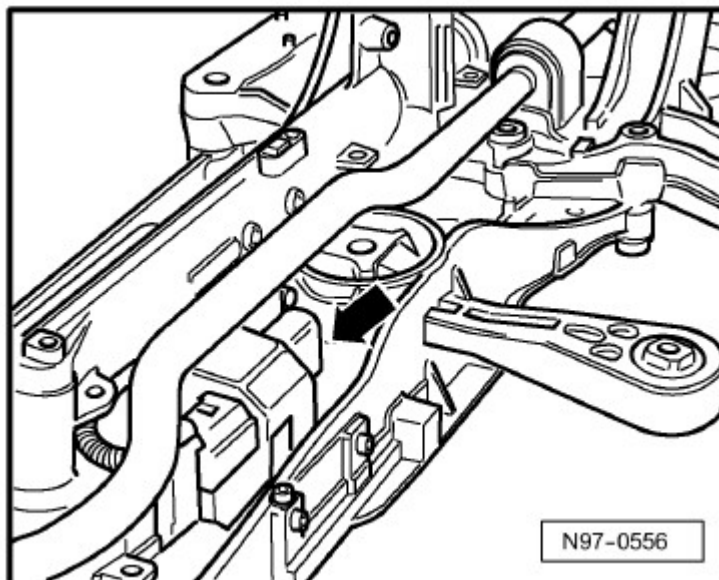
Fitting Locations

No. 805 / 34

Power steering control unit -J500-**Fitting location:**

Central on steering assembly carrier -arrow

-



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Fitting Locations

No. 805 / 35

Connector assignment:

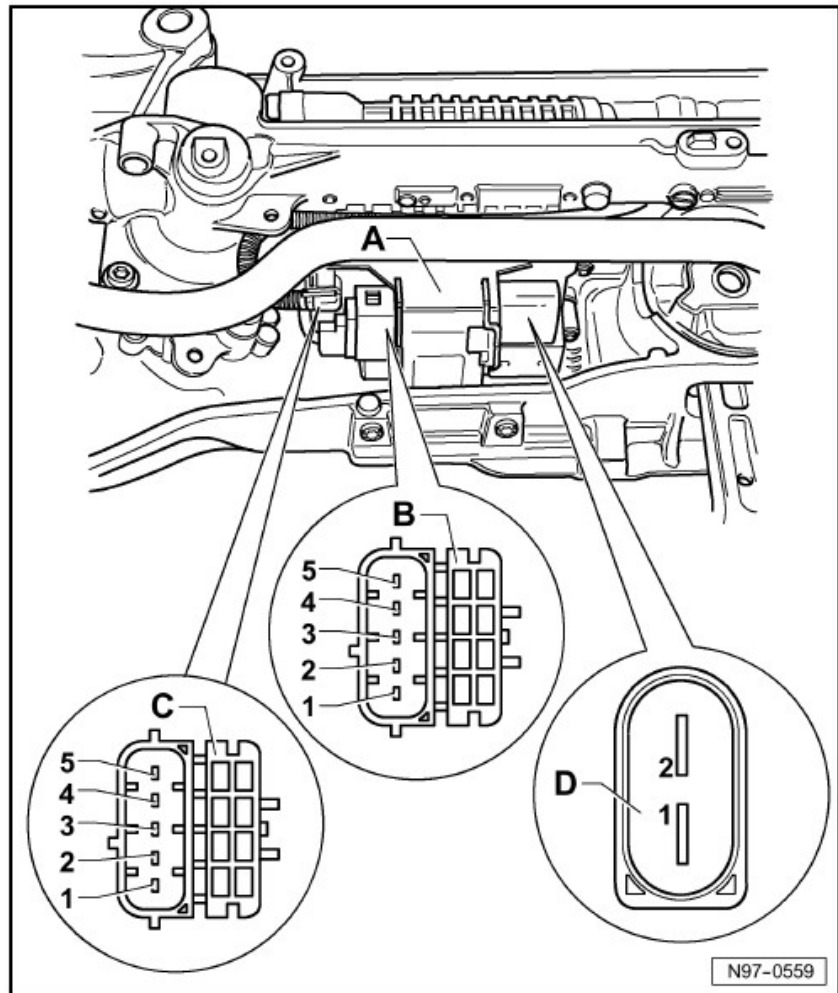
A - Power steering control unit -J500-

Connector:

B - 5-pin connector -T5g-,
on wiring harness

C - 5-pin connector -T5h-,
on wiring harness

D - 2-pin connector -T2a-,
on wiring harness



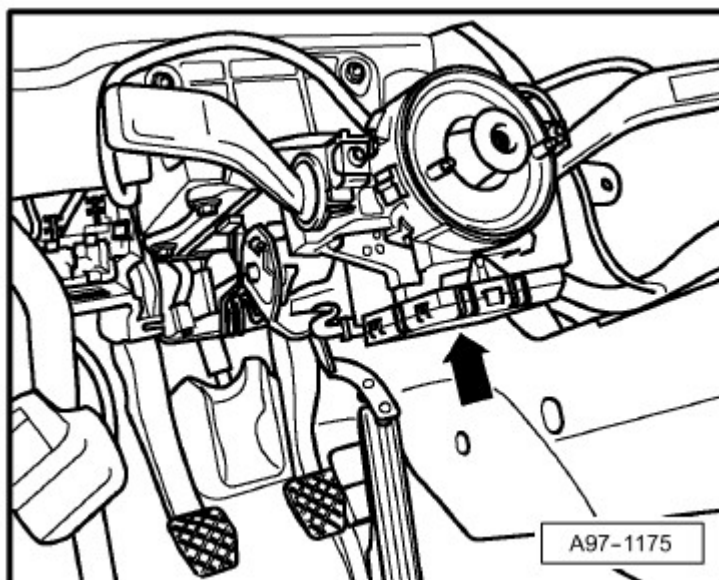
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Fitting Locations

No. 805 / 36

**Steering column electronics control unit -
J527-****Fitting location:**

Under steering column, near steering
column switch -arrow-



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Fitting Locations

No. 805 / 37

Connector assignment:

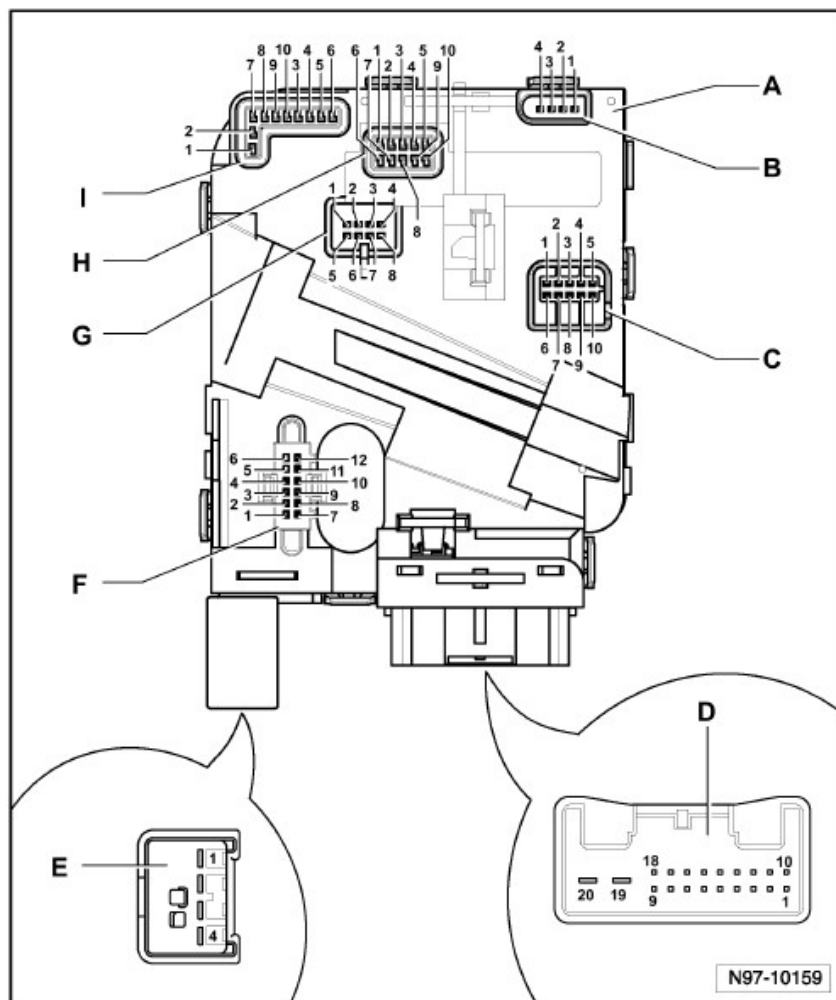
**A - Steering column
electronics control unit
-J527-**

**B = Mounting for airbag
control unit:**

- 1 - Airbag 1 -
- 2 - Airbag 1 +
- 3 - Airbag 2 +
- 4 - Airbag 2 -

**C = Mounting for turn
signals and cruise
control system:**

- 1 - Cruise control system
terminal 15 voltage
supply
- 2 - CCS off
- 3 - Res (+), Set (-)
- 4 - CCS on/off
- 5 - Cruise control system
earth
- 6 - Cruise control system
illumination terminal
58
- 7 - Headlight flasher



Golf

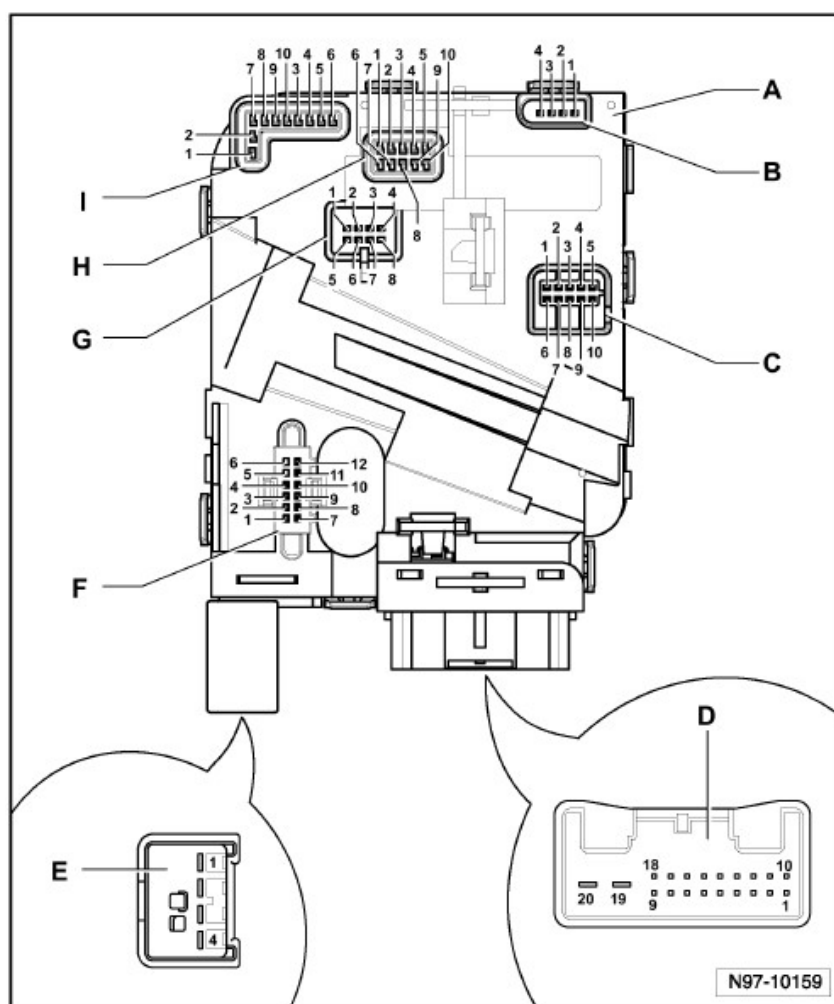
Fitting Locations

No. 805 / 38

- 8 - Main beam
- 9 - Turn signal
- 10 - Turn signal earth

D= 20-pin connector:

- 1 - Not assigned
- 2 - Not assigned
- 3 - Not assigned
- 4 - Not assigned
- 5 - Not assigned
- 6 - Not assigned
- 7 - Not assigned
- 8 - Not assigned
- 9 - Not assigned
- 10 - Powertrain CAN screening
- 11 - Diagnostic interface for powertrain CAN data bus, low
- 12 - Diagnostic interface for powertrain CAN data bus, high
- 13 - Cruise control system, output



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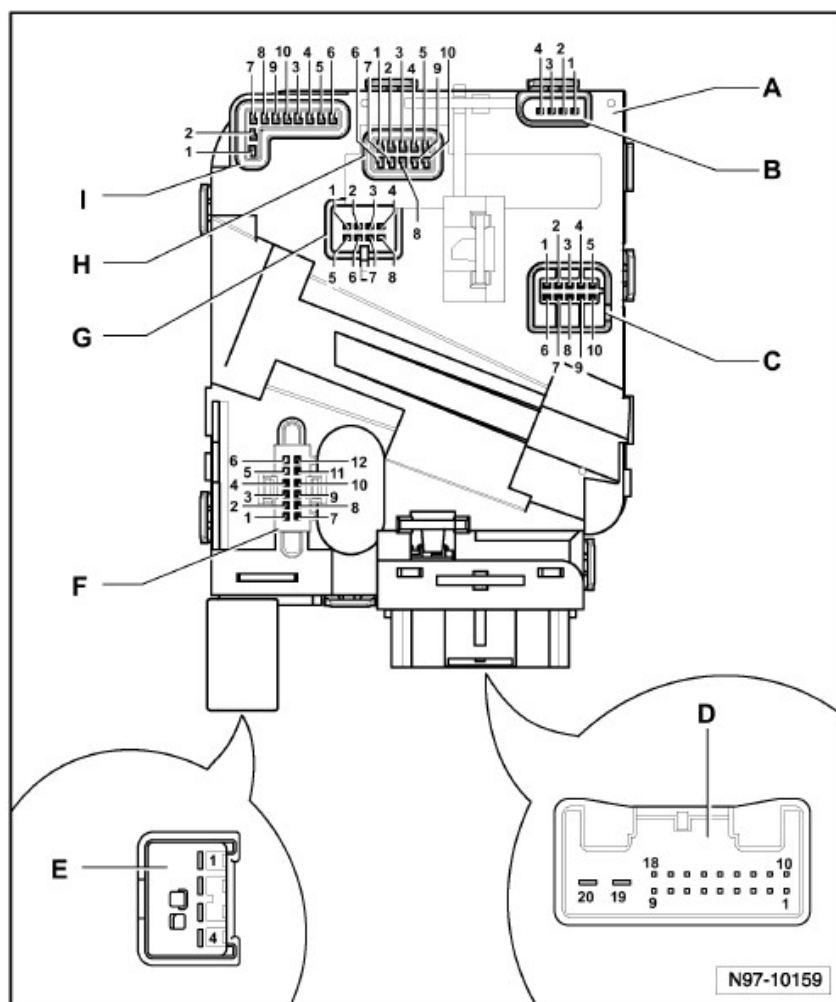
Fitting Locations

No. 805 / 39

- 14 - Diagnostic interface for convenience CAN data bus, low
- 15 - Diagnostic interface for convenience CAN data bus, high
- 16 - Multifunction switch (only automatic or dual clutch gearbox)
- 17 - Auxiliary output, terminal 15
- 18 - Auxiliary output, terminal 50
- 19 - Terminal 30 voltage supply
- 20 - Terminal 31 voltage supply

E= 4-pin connector:

- 1 - Airbag 1 -
- 2 - Airbag 1 +
- 3 - Airbag 2 +
- 4 - Airbag 2 -



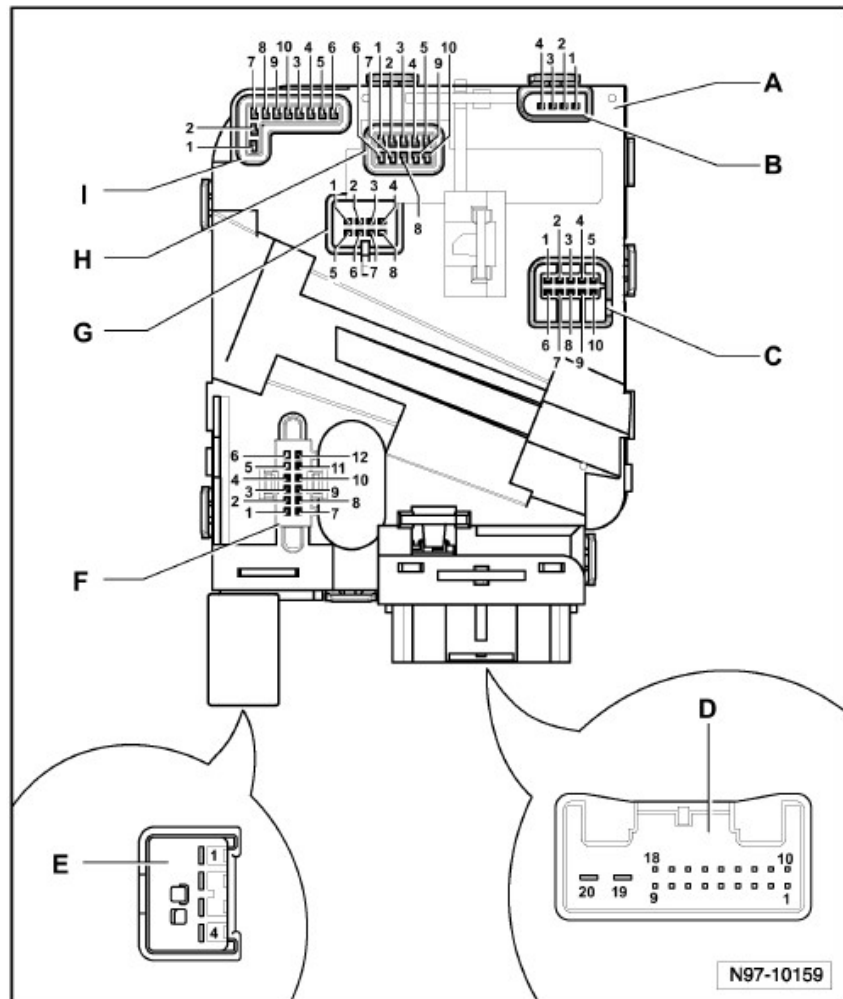
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Fitting Locations

No. 805 / 40

F = Mounting for ignition/starter switch and ignition key withdrawal lock:

- 1 - Not assigned
- 2 - Not assigned
- 3 - Ignition key withdrawal lock on, terminal 30
- 4 - Ignition key withdrawal lock earth
- 5 - Not assigned
- 6 - Not assigned
- 7 - Ignition/starter switch output terminal 50
- 8 - Ignition/starter switch, terminal 30
- 9 - Ignition/starter switch output terminal S
- 10 - Ignition/starter switch output terminal X
- 11 - Ignition/starter switch output terminal P
- 12 - Ignition/starter switch output terminal 15



Golf

Fitting Locations

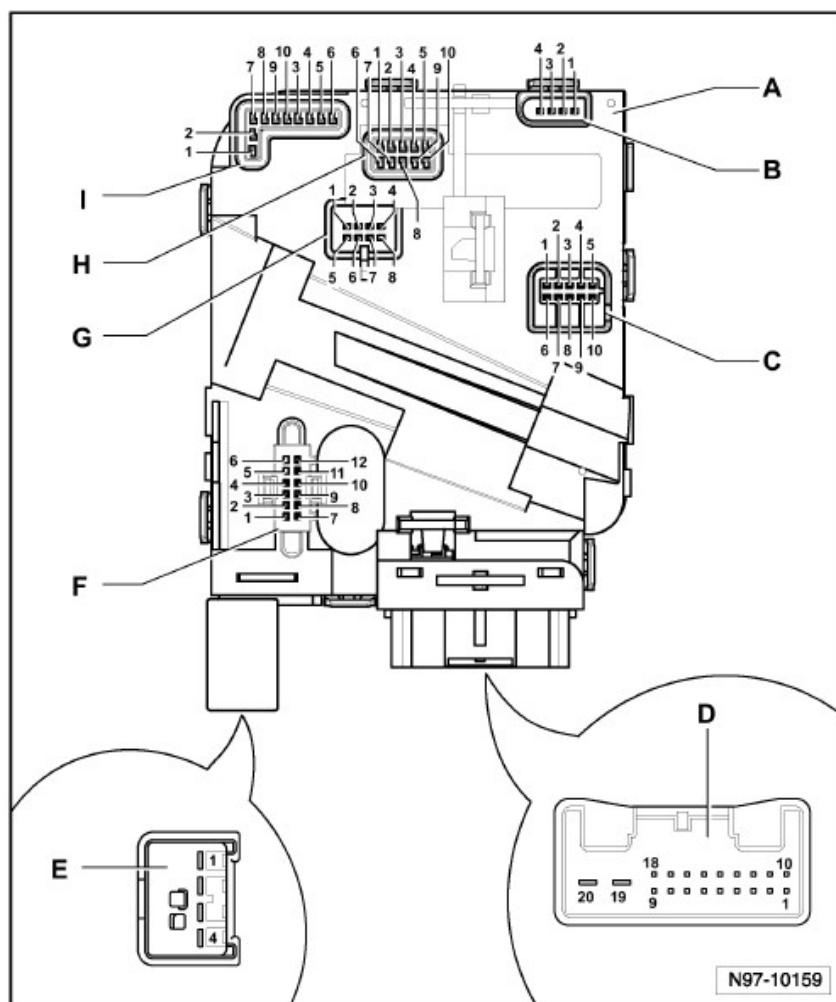
No. 805 / 41

G = Mounting for wiper, interval potentiometer and multifunction system:

- 1 - Wiper switch signal
- 2 - Wiper earth
- 3 - Rear wash/wipe signal
- 4 - Not assigned
- 5 - MFI signal
- 6 - MFI interval potentiometer earth
- 7 - Intermittent speeds signal
- 8 - Not assigned

H= Mounting for steering angle sensor:

- 1 - Photoelectric beam 5
- 2 - Photoelectric beam 3
- 3 - Photoelectric beam 1
- 4 - Steering angle sender, 12 Volt voltage supply
- 5 - Steering angle sender, 5 Volt voltage supply
- 6 - Photoelectric beam 6
- 7 - Photoelectric beam 4



Golf

Fitting Locations

No. 805 / 42

- 8 - Photoelectric beam 2
- 9 - Earth
- 10 - Photoelectric beam 7

I = Mounting for coil connector:

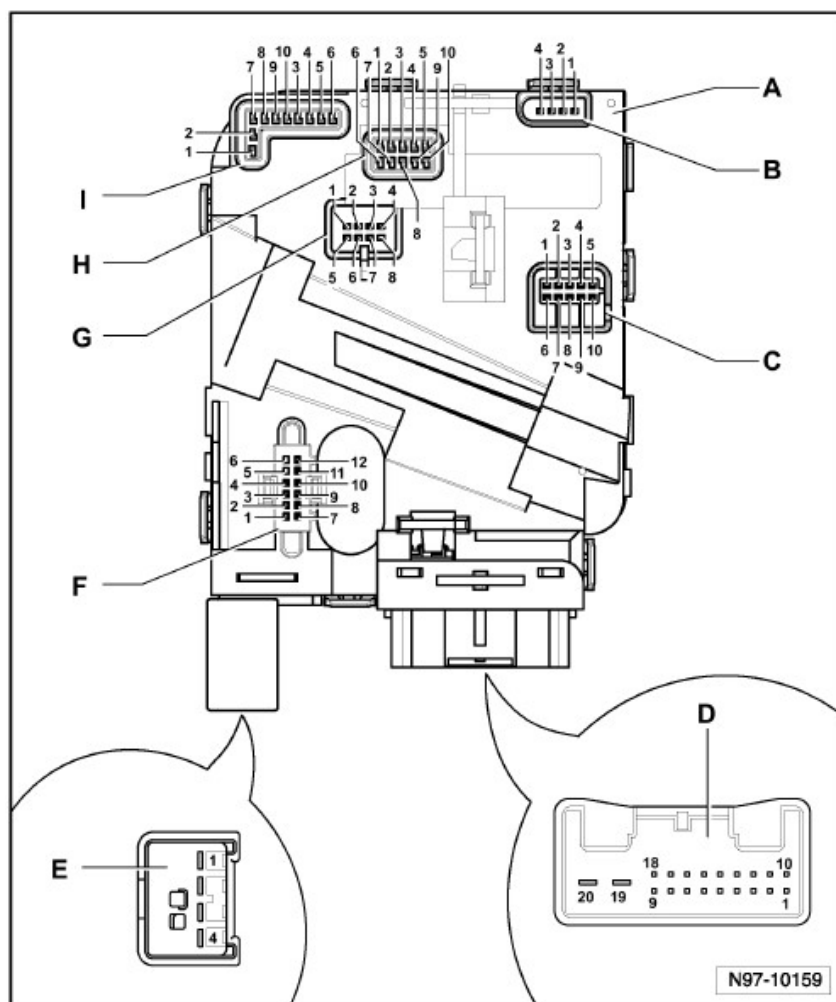
- 1 - Not assigned
- 2 - Not assigned
- 3 - Airbag 1 +
- 4 - Airbag 1 -
- 5 - Airbag 2 +
- 6 - Airbag 2 -
- 7 - Earth for coil connector, multifunction steering wheel and horn
- 8 - CCS detent off or horn
- 9 - LIN bus or heated steering wheel temperature sensor
- 10 - Multifunction steering wheel voltage supply terminal 15

земля

LIN

Питание

7, 9, 10 контакты для
CANLIN адаптера



Golf

Fitting Locations

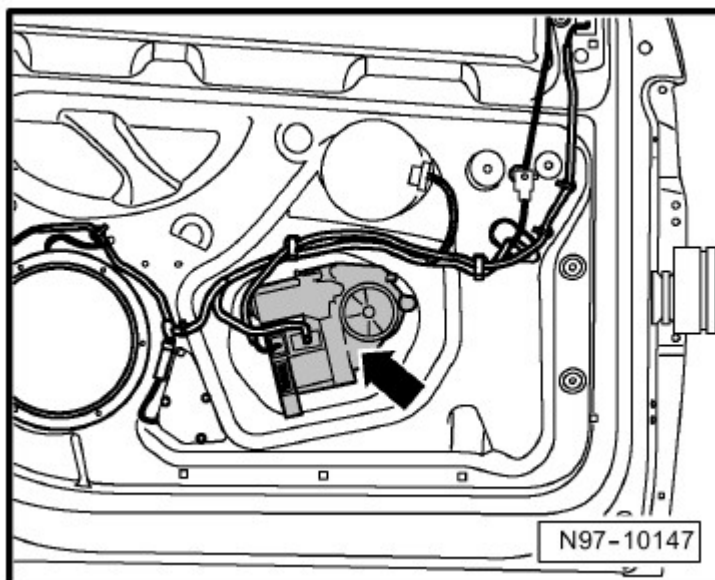
No. 805 / 43

Front passenger door control unit -J387-**Fitting location:**

On inner part of front right door -arrow-

**Note:**

The illustration shows the left side. The right side is similar.



Golf

Fitting Locations

No. 805 / 44

Connector assignment:

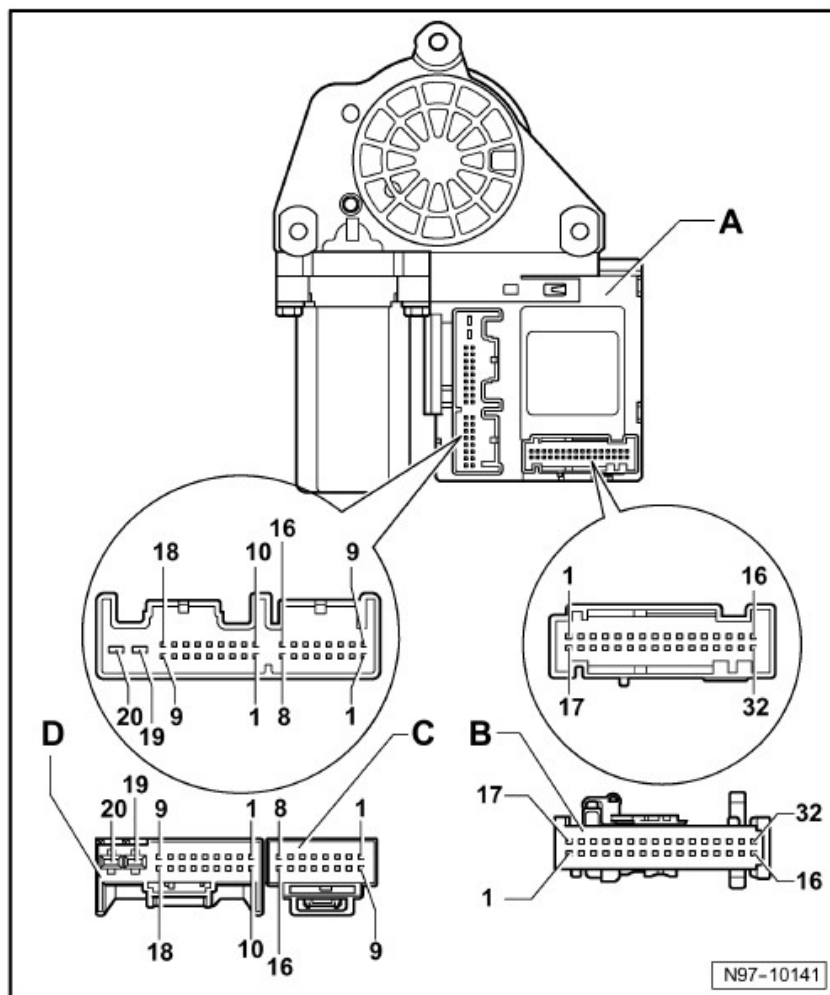
A - Front passenger door control unit -J387-

Connector:

B - 32-pin connector -T32b-
 , on wiring harness

C - 16-pin connector -T16g-
 , on wiring harness

D - 20-pin connector -T20b-
 , on wiring harness



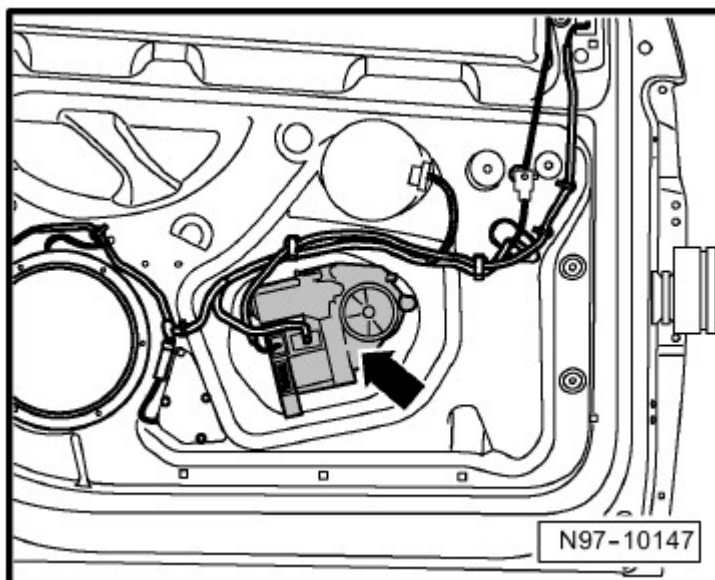
Golf

Fitting Locations

No. 805 / 45

Driver door control unit -J386-**Fitting location:**

On inner part of front left door -arrow-



Golf

Fitting Locations

No. 805 / 46

Connector assignment:

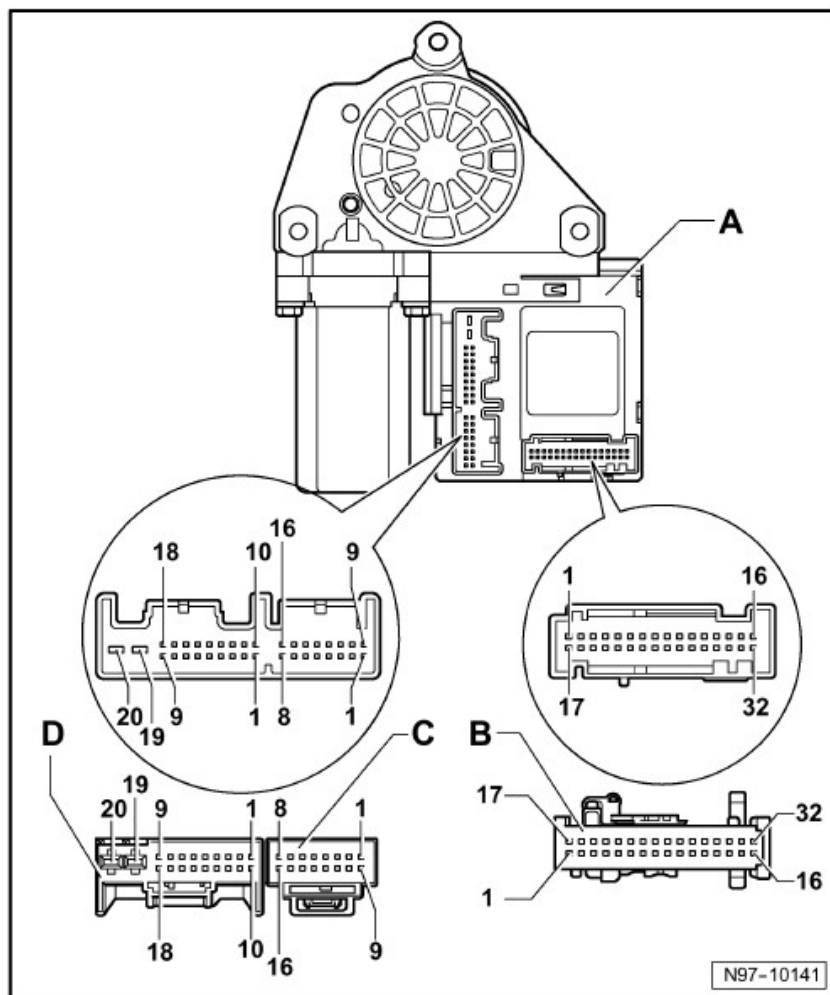
A - Driver door control unit
-J386-

Connector:

B - 32-pin connector -T32a-
, on wiring harness

C - 16-pin connector -T16a-
, on wiring harness

D - 20-pin connector -T20a-
, on wiring harness



Golf

Fitting Locations

No. 805 / 47

W-box coupling point

Fitting location:

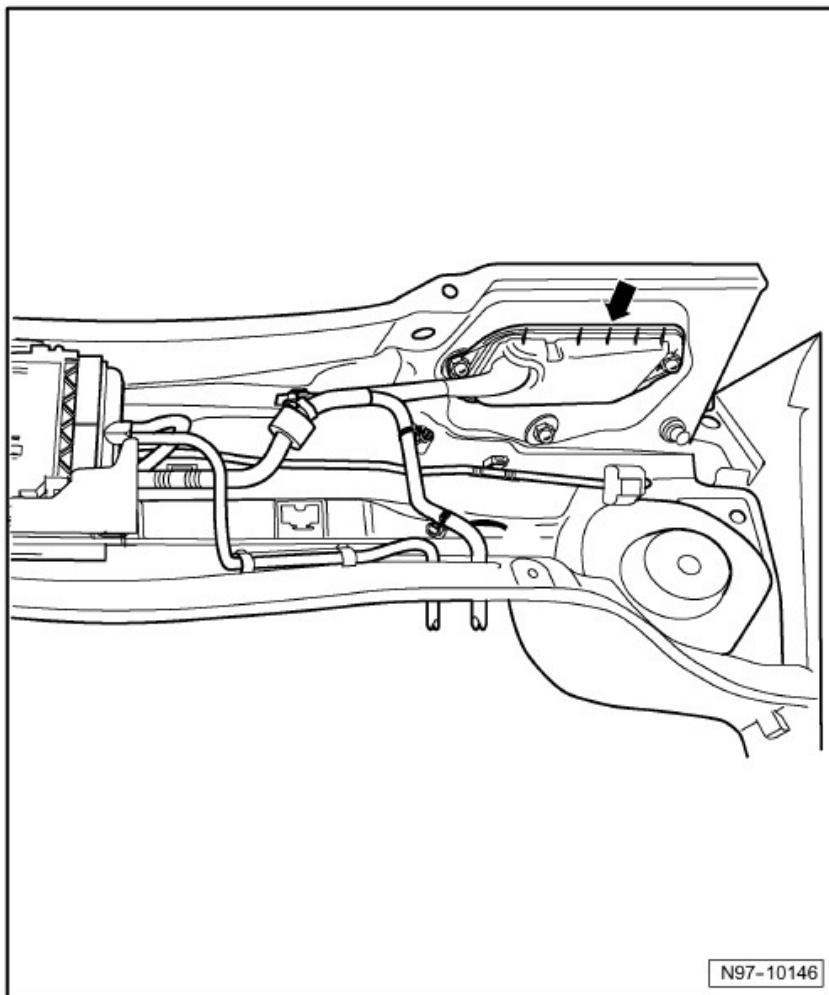
The W-box coupling point is located on bulkhead on left in plenum chamber - arrow-

**Note:**

For a clearer illustration the wiper system is not shown.

**Note:**

The W-box has been discontinued as of model year 2006.



Golf

Fitting Locations

No. 805 / 48

Connectors:

A - 12-pin connector -T12b-
 , blue, on wiring
 harness

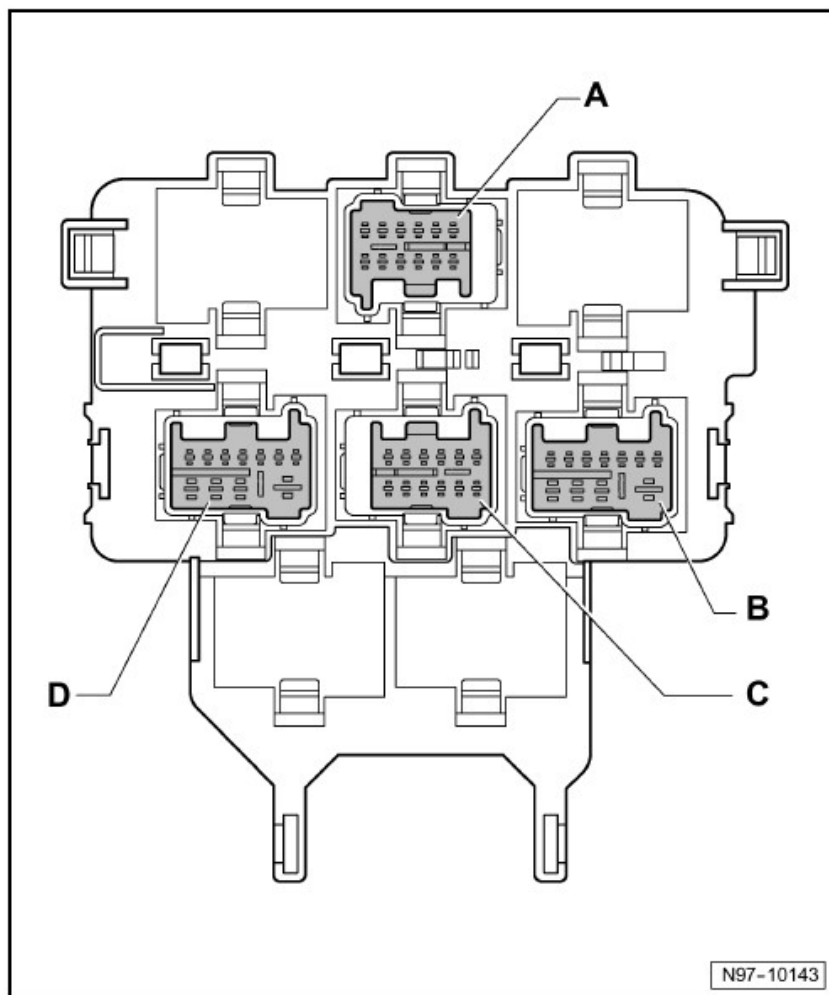
B - 11-pin connector -T11a-
 , white, on wiring
 harness

C - 12-pin connector -T12c-
 , green, on wiring
 harness

D - 11-pin connector -T11-,
 red, on wiring harness

**Note:**

*The W-box has been
 discontinued as of model
 year 2006.*



N97-10143