

2 Service work

Information reference fixed service \Rightarrow page 2

Service tables \Rightarrow page 3

2.1 Information on fixed service

Service identification <u>⇒ page 2</u>

Fixed service \Rightarrow page 2

Service interval display <u>⇒ page 2</u>

2.1.1 Service identification

Referring to vehicle data sticker <u>⇒ page 10</u>, check if vehicle is equipped with following PR numbers:

The PR number is decisive for the service intervals. \Rightarrow page 3

Vehicle ID with PR number

Model year	PR number	Service
2020 ►	VI0, VI5, VI6, VI7, VI8	Fixed service

2.1.2 Fixed service

For vehicles with a fixed service, fixed services are calculated. This means that the mileage or time values are already set by Volkswagen. For normal operating conditions achieving these service intervals is technically assured.

Therefore the service intervals are fixed.

For vehicles supplied with PR number "VI0", "VI5", "VI6", "VI7" or "VI8", the fixed service applies.

Therefore, these vehicles have a fixed service interval display \Rightarrow page 2 and for maintenance the fixed service intervals (rigid service intervals) apply. These vehicles are fitted with the following components:

- Fixed service interval display in dash panel insert
- Brake pad wear indicator (if fitted)

2.1.3 Service interval display

Fixed service interval display (only vehicles with a fixed service) \Rightarrow page 2

Service type for service due \Rightarrow page 3

Service initial warning \Rightarrow page 3

Retrieving service information from Infotainment system \Rightarrow page 3

Service interval display: resetting <u>⇒ page 63</u>

Fixed service interval display (only vehicles with a fixed service)

Calculation of service intervals:

 The service interval for vehicles with a fixed service is calculated in fixed service intervals. This means that the mileage or time values have been previously determined and specified by Volkswagen.



Kuwait	United Arab Emirates
Cameroon	West Sahara
Qatar	Central African Republic

3.8 Motor code and motor number

Motor code and motor number are located:

- On vehicle data sticker \Rightarrow page 10.
- On type plate

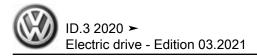
or

⇒ Rep. gr. 00; Identification; Motor number, motor data

3.9 Countries with high levels of dust

- High dust content in the air due to road and environmental conditions.
- Dust is categorised according to particle size or type of dust (organic and inorganic material) such as e.g. pollen, bacteria, fungal spores or rock dust, mineral fibres.

Abu Dhabi	Gabon	Macau	Somalia
Afghanistan	Gambia	Madagascar	Sri Lanka
Egypt	Georgia	Malawi	Seychelles
Algeria	Ghana	Maldives	South Sudan
Angola	Guatemala	Mali	Sudan
Equatorial Guinea	Guinea	Morocco	Suriname
Argentina	Guinea-Bissau	Mauritania	Swaziland
Armenia	Guyana	Mauritius	Syria
Azerbaijan	Honduras	Mexico	Tajikistan
Ethiopia	Hong Kong	Mongolia	Tanzania
Australia	India	Mozambique	Thailand
Bahrain	Indonesia	Myanmar (Burma)	Тодо
Bangladesh	Iraq	Namibia	Chad
Belize	Israel	Nepal (Indian subconti- nent)	Tunisia
Benin (Dahomey)	Yemen	Nicaragua	Turkey
Bhutan	Jordan	Niger	Turkmenistan
Bolivia	Cambodia	Nigeria	Uganda
Botswana	Cameroon	North Korea	Uruguay
Brazil	Cape Verde	Oman	Ukraine
Brunei	Kazakhstan	Pakistan	Uzbekistan
Burkina Faso (Upper Vol- ta)	Qatar	Palestine	Venezuela
Chile	Kenya	Panama	United Arab Emirates
China	Kyrgyz Republic	Papua New Guinea	Vietnam
Costa Rica	Columbia	Paraguay	West Sahara
Democratic Republic of the Congo	Cuba	Peru	Central African Republic
Djibouti	Kuwait	Puerto Rico	Bermudas
Dominican Republic	Laos	Rwanda	Cayman Islands



12 Charging unit for high-voltage battery

 \Rightarrow o12.1 verview – charging unit for high-voltage battery", page 210

 \Rightarrow a12.2 nd installing charging unit 1 for high-voltage batteryAX4", page 210

12.1 Assembly overview – charging unit for high-voltage battery

- 1 Charging unit holder
- 2 Bolts
 - 🛛 Qty. 2
 - □ 20 Nm

3 - Charging unit 1 for highvoltage battery -AX4-

□ Removing and installing ⇒ page 210

4 - Bolt

🛛 8 Nm

5 - Potential equalisation line with additional external PE conductor

6 - Bolts

- **Q**ty. 4
- 🛛 8 Nm
- 7 High-voltage cable
 - □ Overview of fitting locations ⇒ page 81

8 - Bolts

- Qty. 2
- □ 20 Nm
- 9 Charging unit holder

10 - Bolts

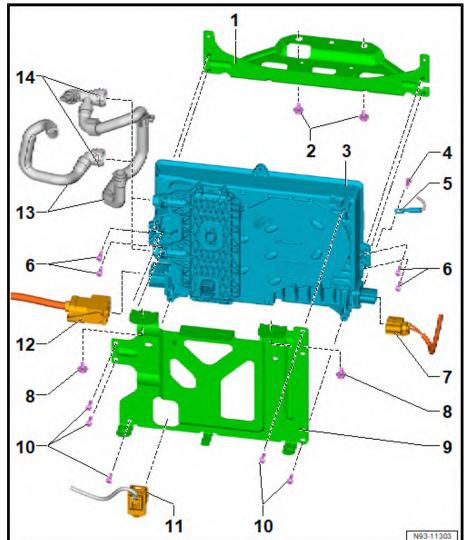
- 🛛 Qty. 5
- 8 Nm

11 - Connection for vehicle electrical system

- 12 High-voltage cable
 - □ Overview of fitting locations \Rightarrow page 81
- 13 Coolant hoses
- 14 Coolant hoses

12.2 Removing and installing charging unit 1 for high-voltage battery -AX4-

Special tools and workshop equipment required





14 Vehicle noise/engine sound

14.1 Overview of fitting locations – driving sound/motor sound

1 - Engine sound generator module 2 -RX22-

- With actuator 2 for engine sound generator -R258-
- With engine sound generator control unit 2 -J1167-
- Depending on equipment/version
- □ ⇒ Rep. gr. 93; Removing and installing engine sound generator module

2 - Bolt

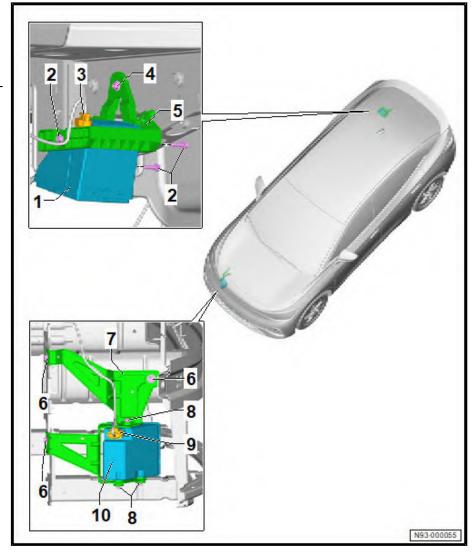
- 🛛 Qty. 3
- 🛛 8 Nm
- 3 Electrical connector
- 4 Nut
 - 🗅 8 Nm
- 5 Bracket

6 - Bolt

- Qty. 3
- 8 Nm
- 7 Bracket
- 8 Bolt
 - 🛛 Qty. 3
 - 🛛 8 Nm
- 9 Electrical connector

10 - Engine sound generator module 1 -RX21-

- □ With actuator 1 for engine sound generator -R257-
- □ With engine sound generator control unit -J943-
- \Box \Rightarrow Rep. gr. 93; Removing and installing engine sound generator module



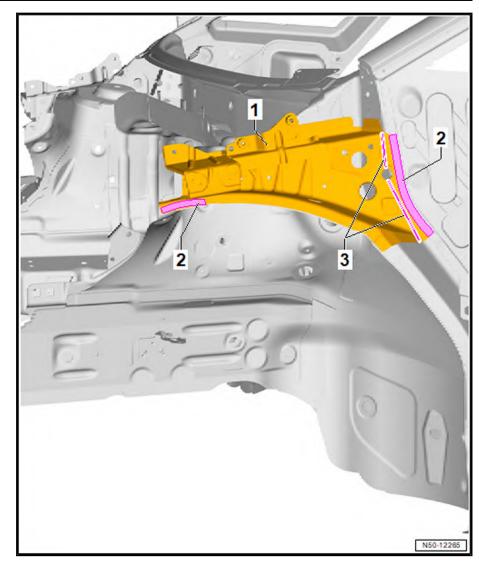


ID.3 2020 ≻ Body Repairs - Edition 02.2021

1 - Longitudinal member

- Upper wheel housing
- 2 Bonded areas
- 3 Parting cuts

Partial renewal Parting cut is permissible for part section repair.



3.1 Tools

i) Note

- To ensure that repairs to vehicle bodies are carried out properly, welding units and body tools authorised by the Volkswagen AG must be used.
- ◆ The welding units and body tools authorised by the Volkswagen AG can be found in ⇒ Electronic parts catalogue (ETKA); TOOLS; Workshop equipment; Body and paintwork.

3.2 Removing

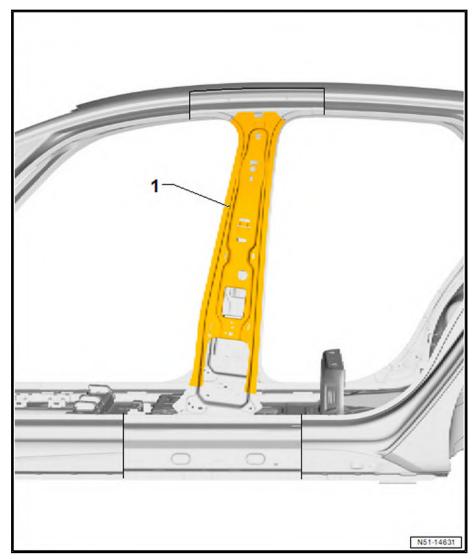
Do not damage reinforcements located underneath.

- Make parting cuts only with aid of body saw.
- Rewelding reinforcement is not permitted due to safety reasons.



1 - B-pillar

Inner



8.1 Tools

Note

- To ensure that repairs to vehicle bodies are carried out prop-erly, welding units and body tools authorised by the Volkswagen AG must be used.
- The welding units and body tools authorised by the Volks-wagen AG can be found in ⇒ Electronic parts catalogue (ETKA); TOOLS; Workshop equipment; Body and paintwork. ٠

Removing 8.2



Note

Before cutting out the inner B-pillar reinforcement, insert a me-chanical door tensioner. This prevents roof from moving.

3 Charging flap unit

⇒ o3.1 verview – charging flap unit", page 57

 \Rightarrow a3.2 nd installing charging flap unit", page 57

⇒ a3.3 nd installing charging socket flap", page 61

3.1 Assembly overview – charging flap unit

1 - Charging flap unit

□ Removing and installing <u>⇒ page 57</u>

2 - Charging socket flap

 Removing and installing <u>⇒ page 61</u>

3 - Charging socket cap

4 - Water drain hose

Routed between wheel housing and wheel housing liner

5 - Actuator for high-voltage charging flap lock 1 -F496-

□ Removing and installing <u>⇒ page 114</u>

6 - Bolt

Qty. 2

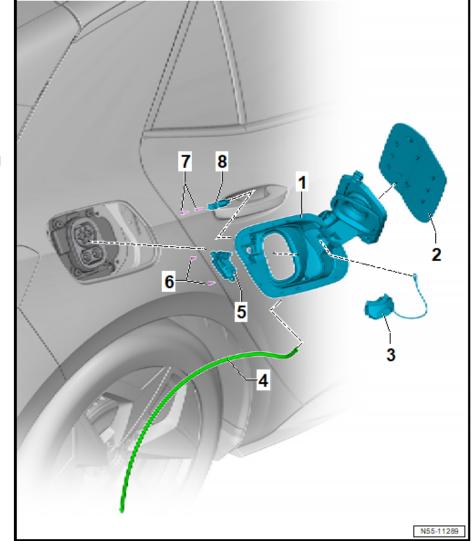
1.5 Nm

7 - Bolt

- 🛛 Qty. 2
- 🗅 1.5 Nm

8 - Charging socket 1 LED module -L263-

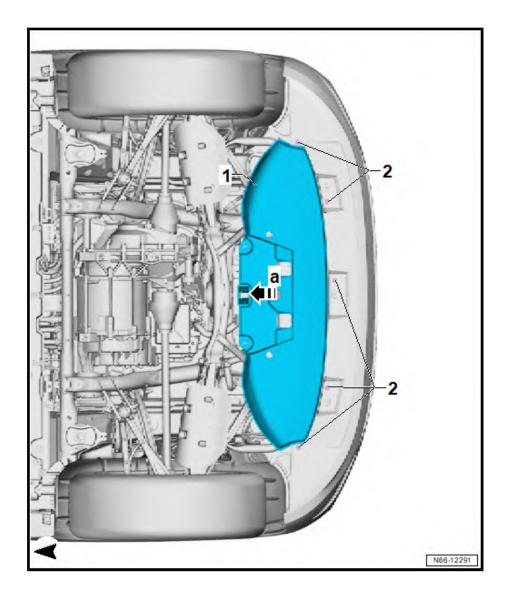
□ Removing and installing ⇒ Electrical system; Rep. gr. 94



3.2 Removing and installing charging flap unit

Special tools and workshop equipment required





Removing

- Remove rear centre underbody cladding ⇒ page 286.
- Unscrew bolts -2-.
- Pull underbody cladding -1- out of bumper cover -arrow a-.

Installing

Install in the reverse order of removal, observing the following:

Specified torque

- Bolts <u>⇒ page 281</u>.
- 3.2.6 Removing and installing skid plate



9.2 Removing and installing front airbag crash sensor, driver side -G283-

 \Rightarrow a9.2.1 nd installing crash sensor for front airbagG190", page 99

9.2.1 Removing and installing crash sensor for front airbag -G190-

Removing

- Observe safety precautions when working on pyrotechnic components <u>⇒ page 3</u>.
- De-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; De-energising high-voltage system.
- Deactivate vehicle's drive system, and switch off all electrical consumers.
- Store the vehicle key and other entry and start authorisation systems outside the vehicle to prevent the vehicle from being switched on unintentionally.
- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Remove bumper cover ⇒ General body repairs, exterior; Rep. gr. 63; Front bumper; Removing and installing bumper cover.
- Unscrew bolt -2-.
- Detach crash sensor for front airbag -G190- -4- from lock carrier support -1-.

Pyrotechnic components can trigger unintentionally.

Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Disconnect electrical connector -3-.



1 - Bolt

- 13 Nm ± 1 Nm
- Renew
- 2 Refrigerant line

3 - Refrigerant pressure and temperature sender -G395-

- □ 40 Nm ± 4 Nm
- Renew oil seals
- Removing and installing \Rightarrow page 48

4 - Air conditioner compressor -VX81-

- ❑ Assembly overview ≥ page 145
- Removing and instal-ling \Rightarrow page 151

5 - Refrigerant line

6 - Refrigerant pressure and temperature sender 5 -G829-

- 40 Nm ± 4 Nm
- Renew oil seals
- Removing and installing <u>⇒ page 57</u>

7 - Refrigerant line

8 - Refrigerant pressure and temperature sender 3 -G827-

- 40 Nm ± 4 Nm
- Renew oil seals
- Removing and installing <u>⇒ page 53</u>

9 - Seal

- □ Renewing \Rightarrow page 8
- □ Free of oil
- Defore installing, check sealing surfaces on components for dirt or damage
- □ Different versions, refer to ⇒ Electronic parts catalogue

10 - Loss prevention device

- □ Renewing \Rightarrow page 8
- □ Different versions, refer to ⇒ Electronic parts catalogue
- Observe installation position

11 - Condenser / gas cooler

- □ Removing and installing \Rightarrow page 35
- □ If the gas cooler is replaced, top up 10 ml refrigerant oil.

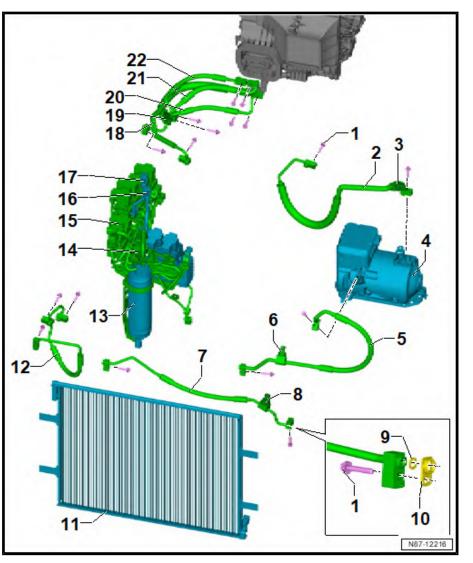
12 - Refrigerant line

13 - Dryer

□ Removing and installing \Rightarrow page 41

14 - Refrigerant pressure and temperature sender 2 -G826-

- □ 40 Nm ± 4 Nm
- Renew oil seals
- □ Removing and installing \Rightarrow page 136





1 - Nuts

🛛 3 Nm

- 2 Cover for fresh air intake
 - □ Removing and installing <u>⇒ page 201</u>
 - Observe installation position

3 - Fresh air intake

□ Removing and installing <u>⇒ page 200</u>

4 - Bolts

🗅 8 Nm

5 - Air intake cowling

□ Removing and installing <u>⇒ page 194</u>

6 - Nuts

🛛 8 Nm

7 - Noise insulation

Depends on equipment/version

8 - Bolts

2 Nm

9 - Fresh air blower control unit -J126-

□ Removing and installing <u>⇒ page 187</u>

10 - Air intake box of heater and air conditioning unit

□ Removing and installing <u>⇒ page 191</u>

11 - Nuts

🗅 4 Nm

12 - Fresh air/air recirculation, air flow flap control motor -V425-

□ Removing and installing <u>⇒ page 164</u>

13 - Bolts

🗅 2 Nm

14 - Bolts

- 2 Nm
- 15 Housing cover
 - 2 Nm

16 - Noise insulation

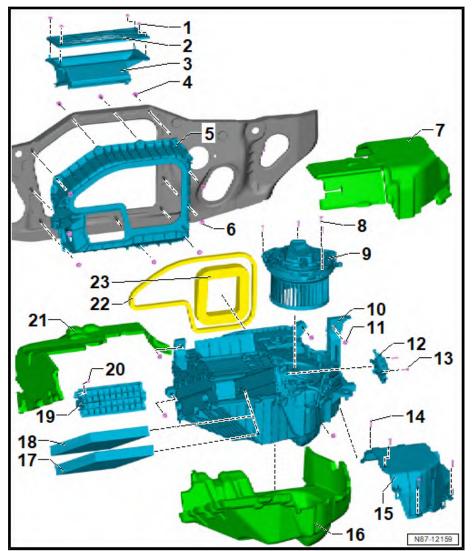
Depends on equipment/version

17 - Dust and pollen filter

□ Removing and installing \Rightarrow page 186

18 - Dust and pollen filter

- Depends on equipment/version
- □ Removing and installing \Rightarrow page 186
- 19 Cover



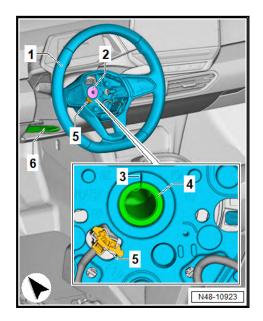


1.2 Removing and installing steering wheel

Removing

Failure to comply with the following precautions may lead to subsequent failure of the airbag system.

- Disconnect battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and reconnecting battery.
- The wheels must be in straight-ahead position.
- Mechanic must electrostatically discharge himself. This can be done by touching a suitable metal object, for example, a water pipe, heater pipe, metal frame or lifting platform.
- Move steering column to middle height position.
- Remove airbag unit ⇒ General body repairs, interior; Rep. gr. 69; Driver side airbag; Assembly overview - driver side airbag.
- Move wheels to straight-ahead position. The steering wheel must be removed/installed in the middle position (wheels facing straight ahead).
- Disconnect electrical connector -5-.



- Unscrew bolt -2-.
- Check whether steering column and steering wheel have markings -3-.
- If not, position of steering wheel to steering column must be marked -3-.
- Pull steering wheel -1- off steering column -4-.

Installing

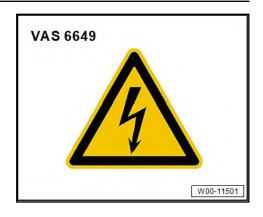
Install in the reverse order of removal, observing the following:

Make sure that the wheels are pointing straight ahead before fitting the steering wheel.

 When installing a steering wheel that has been removed, make sure that the markings on the steering column and steering wheel are in line.



 Warning sign "Warning! Dangerous electrical voltage" -VAS 6649-



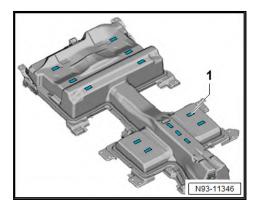
- High-voltage barrier tape -VAS 6884-
- Personal protective equipment

Procedure

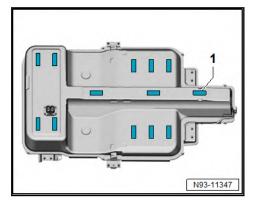
- Make all contacts of high-voltage battery 1 -AX2- safe to prevent short circuit.
- Seal all openings for service fluids apart from electrolyte.
- Remove deposits of hazardous materials and electrolyte from outside of high-voltage battery 1 -AX2-.

Apply temperature measurement strips to battery

e-Golf battery







 Attach at least 8 temperature measurement strips to highvoltage battery 1 -AX2- as shown in diagram.

1 - Alarm horn -H12-

□ Removing and installing <u>⇒ page 147</u>

2 - Bracket for alarm horn - H12-

3 - Shear nut

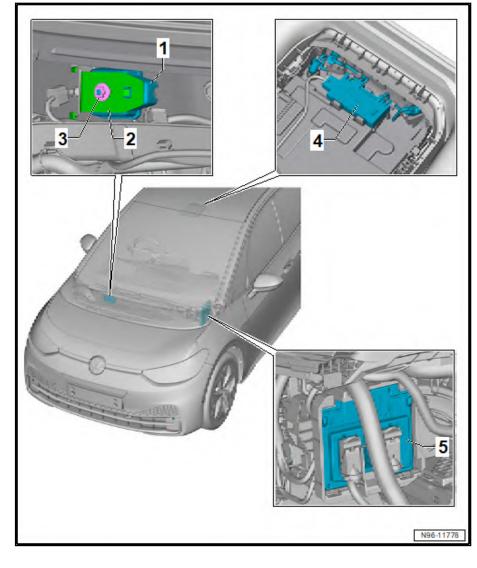
- Renew after removal
- Tighten until head shears off

4 - Anti-theft alarm sensor - G578-

- □ Removing and installing <u>⇒ page 148</u>
- □ Needs parametrisation after renewal \Rightarrow page 148.

5 - Onboard supply control unit -J519-

□ Assembly overview <u>⇒</u> page 164



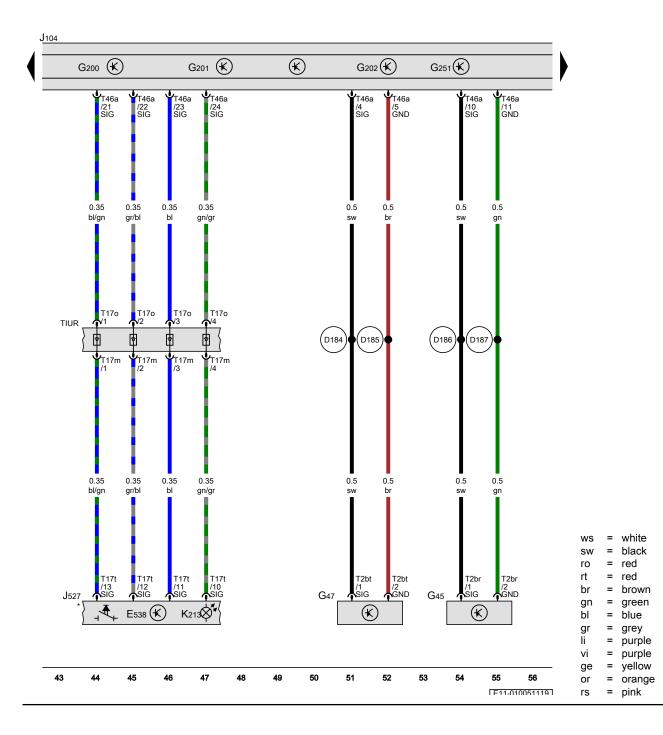
3.2 Removing and installing alarm horn -H12-



The metal washer cannot be removed intact.

Removing

- Remove plenum chamber cover ⇒ General body repairs, exterior; Rep. gr. 50; Bulkhead; Removing and installing plenum chamber cover.
- Destroy shear nut -3- using suitable workshop equipment.



Front right speed sensor, Front left speed sensor, ABS control unit, Steering column electronics control unit

G200 G201 G202 G251 J104 J527 K213 T2br T2bt T17m T17o	Electromechanical parking brake button Front right speed sensor Front left speed sensor Lateral acceleration sender Brake pressure sender 1 Yaw rate sender Longitudinal acceleration sender ABS control unit Steering column electronics control unit Electromechanical parking brake warning lamp 2-pin connector, black 2-pin connector, black 17-pin connector, black 17-pin connector, black
T2br	2-pin connector, black
T17o T17t	17-pin connector, black 17-pin connector, yellow
	46-pin connector, black Coupling point in interior, below right Connection (front left speed sensor +), in engine compartment
D184	wiring harness Connection (front left speed sensor -), in engine compartment
D185	wiring harness Connection (front right speed sensor +), in engine compartment
D187	wiring harness Connection (front right speed sensor -), in engine compartment
*	wiring harness see applicable current flow diagram for steering column electronics