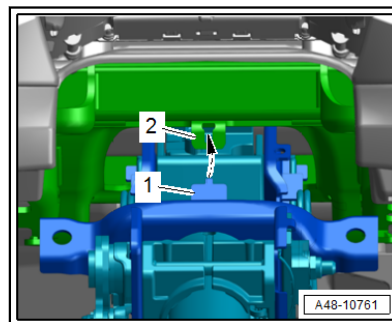


Installing



Installation is carried out in reverse order; note the following:

- Bring steering column into installation position; to do so, engage retaining hook -1- in centre tunnel -2- -arrow-.

Note:

Illustration shows installation position for equipment version with steering column with electrical adjustment; it is similar for other versions.

- Screw in bolts by a few turns initially, then tighten ⇒ [page 364](#) .
- Install intermediate steering shaft ⇒ [a3.5 nd installing intermediate steering shaft](#), [page 369](#) .
- Calibrate steering angle sender -G85- ⇒ [s4.16 etting for steering angle senderG85](#), [page 328](#) .
- Version with steering column with electrical adjustment: If renewing steering column, perform basic setting for control unit for electrically adjustable steering column -J866- ⇒ [d5.1 iagnosis](#), [page 27](#) .

Tightening torques

- ♦ ⇒ [o3.1 verview - steering column](#), [page 362](#)

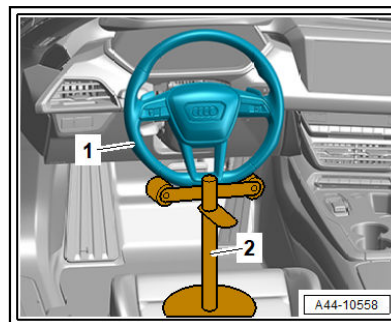
3.5 Removing and installing intermediate steering shaft

Special tools and workshop equipment required

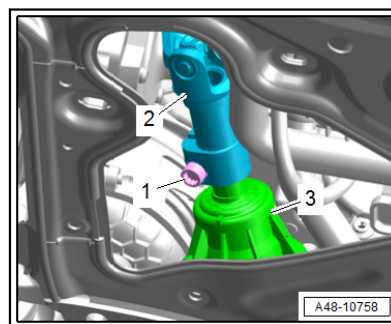
- ♦ Steering wheel securing device for wheel alignment (commercially available)

Removing

- Vehicles with active suspension: Observe safety precautions ⇒ [p2.2 recautions when working on vehicles with active suspension](#), [page 4](#) .
- Turn wheels to straight-ahead position.
- Move driver's seat back as far as possible.
- Move steering wheel rearwards and down as far as possible, using full range of steering column adjuster.
- Switch off ignition.
- Secure steering wheel -1- in centre position with wheels in straight-ahead position using steering wheel securing device -2-.

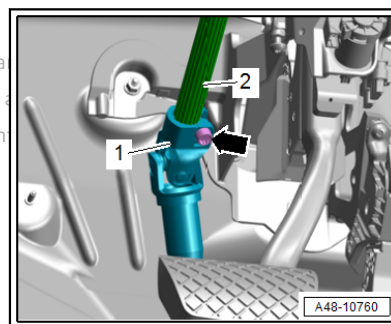


- Remove noise insulation (centre) ⇒ General body repairs, exterior; Rep. gr. 66; Noise insulation; Assembly overview - noise insulation.
- Remove bolt -1-.



- Detach universal joint -2- of intermediate steering shaft from steering rack -3- (example illustration).
- Remove footwell vent (driver side) ⇒ Heating, air conditioning; Rep. gr. 87; Air duct system; Removing and installing footwell vent (driver side).
- Remove bolt -arrow- and detach universal joint -1- of intermediate steering shaft from steering column -2-.

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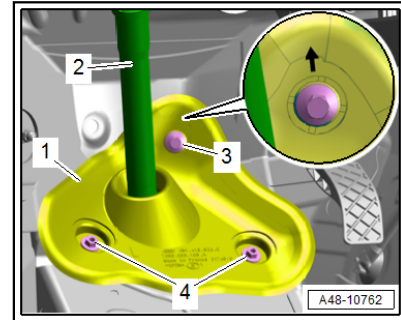
Left-hand drive vehicles:

- Remove lower A-pillar trim (left-side) ⇒ General body repairs, interior; Rep. gr. 70; Passenger compartment trim panels; Removing and installing A-pillar trim.
- Remove accelerator pedal module ⇒ Fuel supply system; Rep. gr. 20; Accelerator mechanism; Removing and installing accelerator pedal module -GX2-.

Right-hand drive vehicles:

- Separate brake pedal from brake servo and pivot it towards rear ⇒ Brake system; Rep. gr. 46; Brake pedal; Separating brake pedal from brake servo.

All vehicles (continued):



- Push floor covering slightly towards rear.

Left-hand drive vehicles:

- Remove bolt -3-.

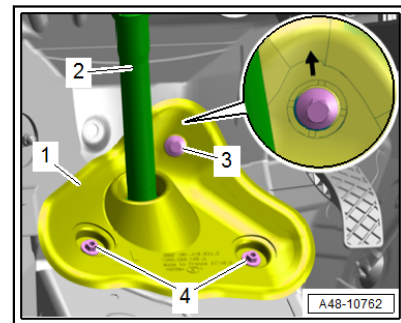
All vehicles (continued):

- Remove nuts -4-. Detach intermediate steering shaft -2- together with sealing lip -1- (shown on left-hand drive vehicle).

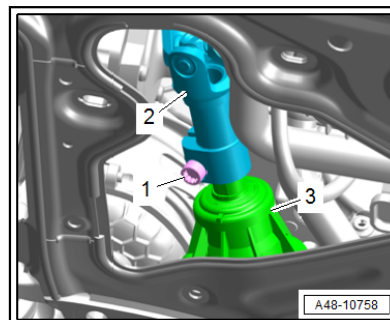
Installing

Installation is carried out in reverse order; note the following:

- Always renew bolt after removal.
- Clean threaded hole for bolt on universal joint using a thread tap or similar.
- Move intermediate shaft -2- into installation position; ensure that sealing lip -1- is positioned on insulation, as shown in illustration.



- The -arrow- should point upwards.
- Tighten bolt -3- and nuts -4- (shown on left-hand drive vehicle).
- Push universal joint -2- of intermediate shaft onto steering column -3- as far as stop.



- Start by screwing in bolt -1- a few turns by hand. Try to pull off intermediate steering shaft to check that it is correctly seated. Then tighten bolt.
- Repeat procedure for lower universal joint connecting to steering rack.
- Connect to brake servo ⇒ Brake system; Rep. gr. 46; Brake pedal; Connecting brake pedal to brake servo.

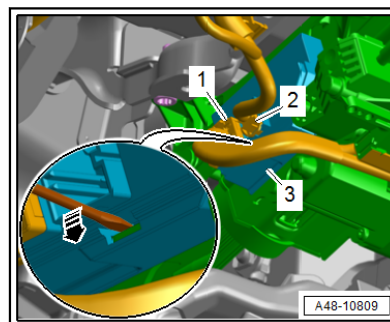
Tightening torques

- ◆ ⇒ [o3.1 verview - steering column", page 362](#)
- ◆ ⇒ General body repairs, exterior; Rep. gr. 66; Noise insulation; Assembly overview - noise insulation
- ◆ ⇒ Fuel supply system; Rep. gr. 20; Accelerator mechanism; Assembly overview - accelerator pedal module

3.6 Removing and installing control unit for electrically adjustable steering column -J866-

Removing

- Remove dash panel cover (driver side) ⇒ General body repairs, interior; Rep. gr. 68; Storage compartments/covers/trim panels; Removing and installing dash panel cover (driver side).
- Unplug electrical connectors -1, 2-.



- Release catch -arrow- and detach control unit for electrically adjustable steering column -J866- -item 3- towards left side.

Installing

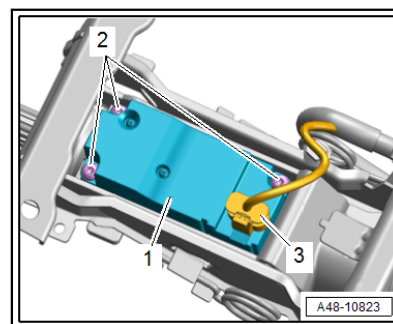
Installation is carried out in reverse order; note the following:

- If renewing control unit for electrically adjustable steering column -J866-, select the program "Basic setting" ➤ [d5.1 iagnosis", page 27](#) .
- Start selected program and follow instructions on display of vehicle diagnostic tester.

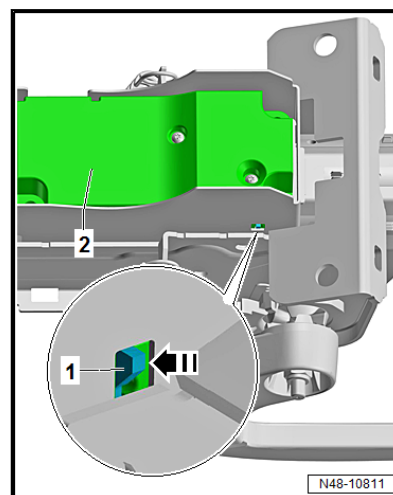
3.7 Removing and installing control unit for electronic steering column lock -J764-

Removing

- If renewing control unit for electronic steering column lock -J764-, select "Replace control module" program ➤ [d5.1 iagnosis", page 27](#) .
- Start selected program and follow instructions on display of vehicle diagnostic tester.
- Detach steering column from dash panel cross member and place it in driver footwell with intermediate steering shaft attached ➤ [a3.4 nd installing steering column", page 367](#) .
- Switch on ignition.
- Remove bolts -2-.



- Push tab -1- in direction of -arrow-. Remove control unit for electronic steering column lock -J764- -2-.

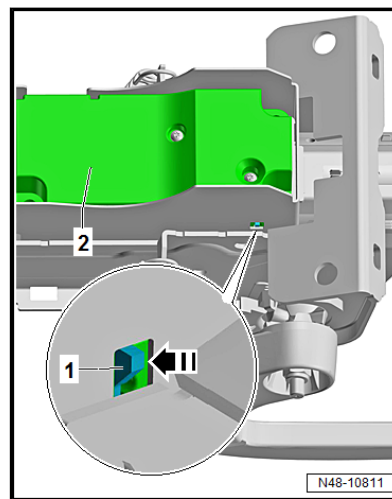


- Unplug electrical connector from control unit for electronic steering column lock -J764-.

Installing

Installation is carried out in reverse order; note the following:

- Fit control unit for electronic steering column lock -J764- -2- and ensure that tab -1- engages.



- Install steering column ⇒ [a3.4 nd installing steering column", page 367](#) .
- After renewing control unit -J764-, complete "Replace control module" program ⇒ Vehicle diagnostic tester.

Tightening torques

- ♦ ⇒ [o3.1 verview - steering column", page 362](#)



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