

Windshield Wiper System

Special tools and workshop equipment required

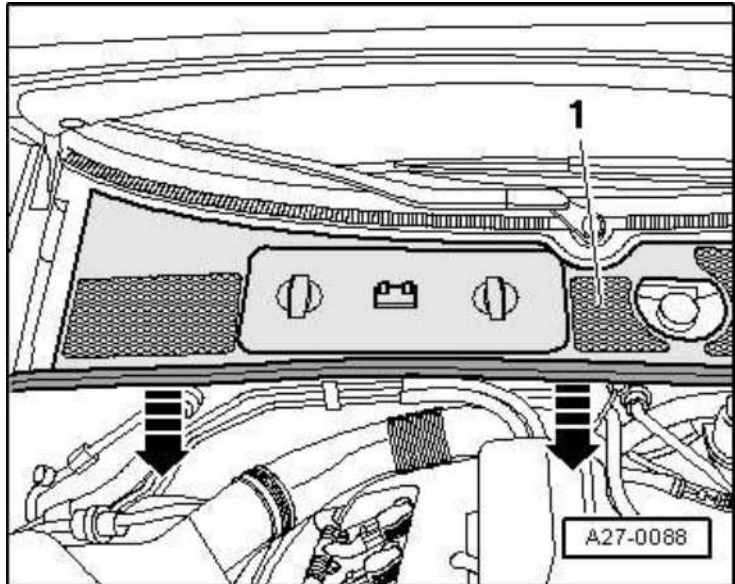
- ◆ Removal lever -80-200-
- ◆ VAG 1331 Torque wrench (or 5 - 50 Nm equivalent)

Removing

- Remove rubber seal of plenum chamber cover in direction of -arrow-.
- Remove plenum chamber cover -1- to front.

Wiper arms, removing

- Actuate touch-wipe function and allow wiper motor to move to end position.



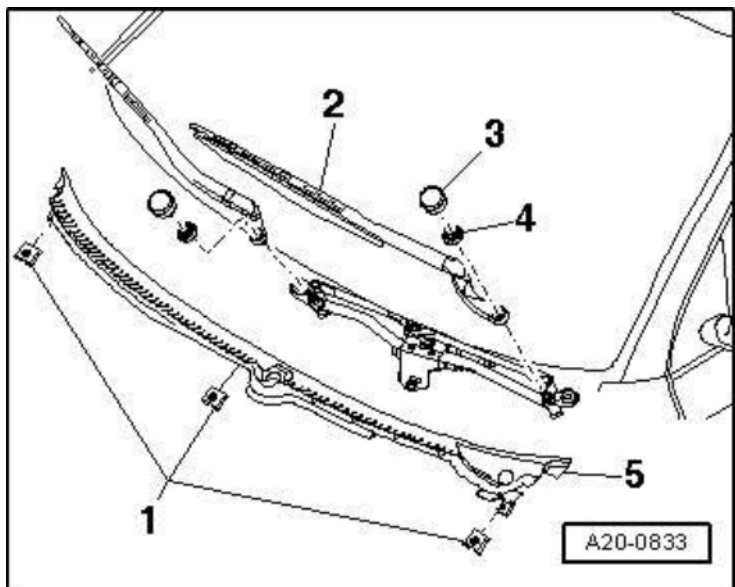
- Use screwdriver to pry off caps -3-.
- Loosen nuts -4- (do not remove).
- Loosen wiper arms -2- from wiper shaft by tilting slightly.
- Remove nuts completely and remove wiper arms.



Note

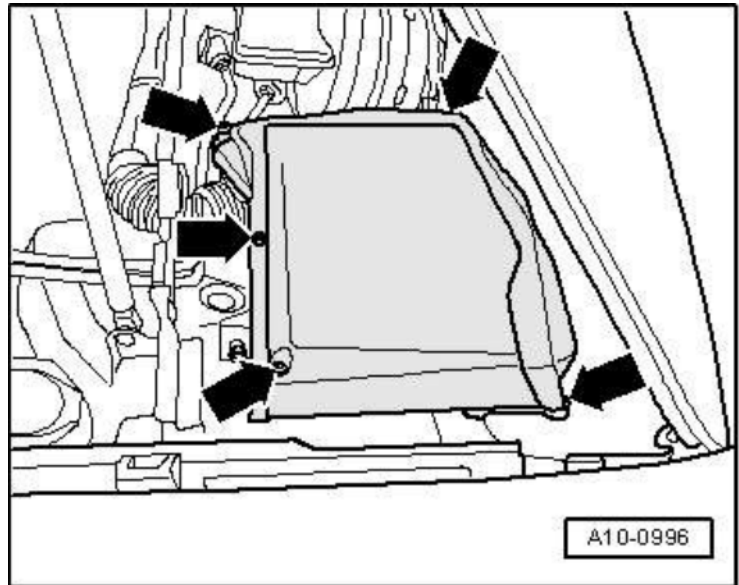
Should wiper arms be difficult to remove, use appropriate puller.

- Remove retaining clips -1- and detach cowl panel grille -5-.



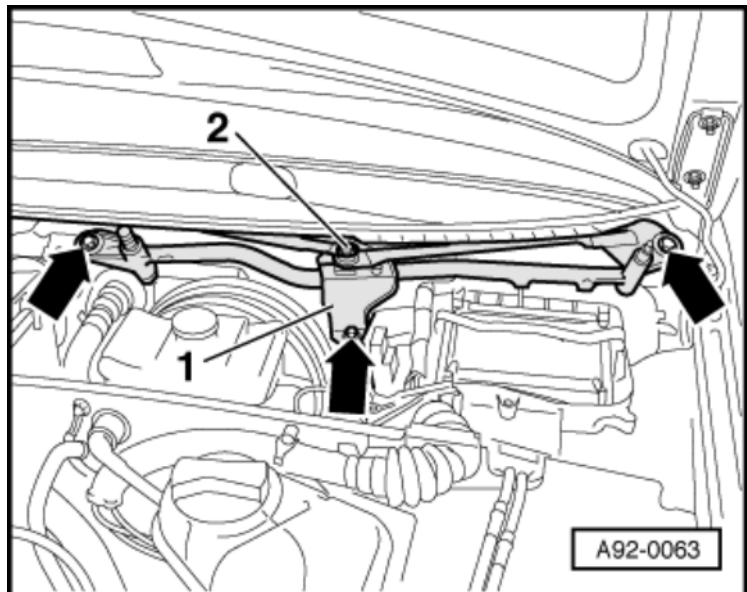
Wiper assembly, removing

- Remove cover for electronics box in plenum chamber -arrows-.



- Pry off wiper linkage -2- from ball head using lever -80-200-.
- Remove crank from wiper motor.
- Unclip pipe/hose guides at wiper frame.
- Remove bolts -arrows- and detach entire wiper frame -1-.
- Disconnect electrical connection.

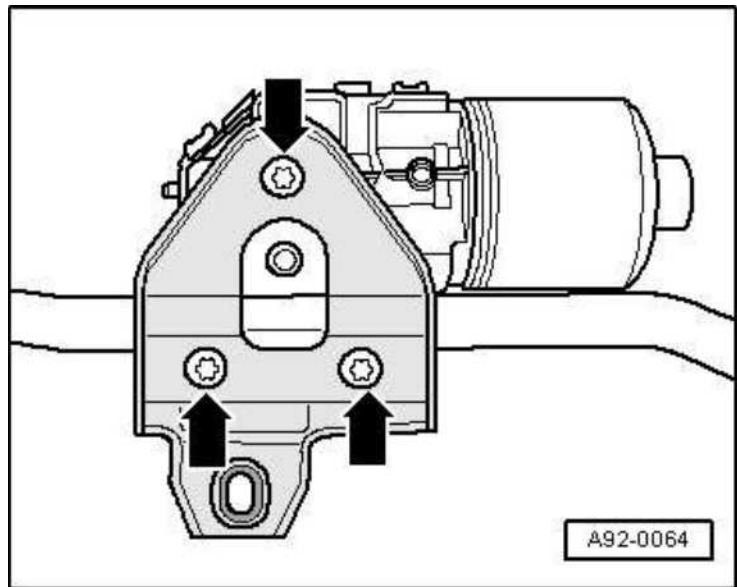
Wiper motor, removing from frame



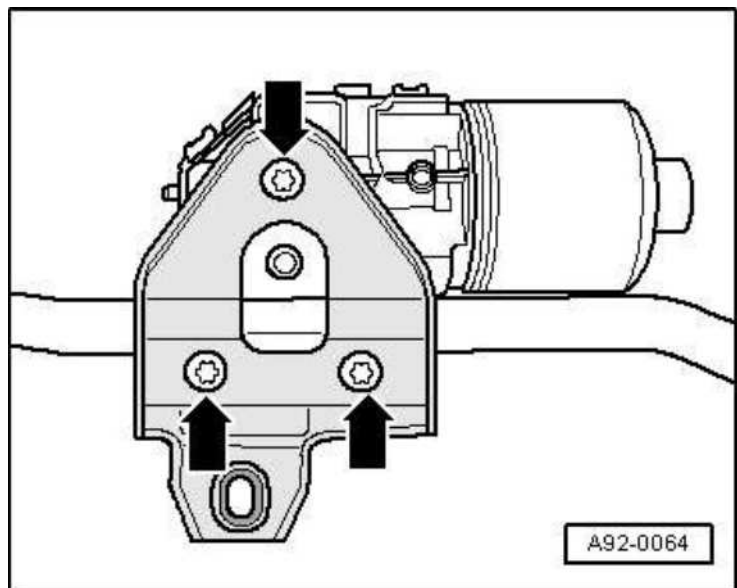
- Remove bolts -arrows- and remove wiper motor from wiper frame.

Installing

Install in reverse order of removal, noting the following:



- Secure wiper motor without crank to wiper frame -arrows-.
- Reconnect electrical connectors at wiper motor.
- Fit wiper motor with wiper frame in vehicle and loosely install bolts.

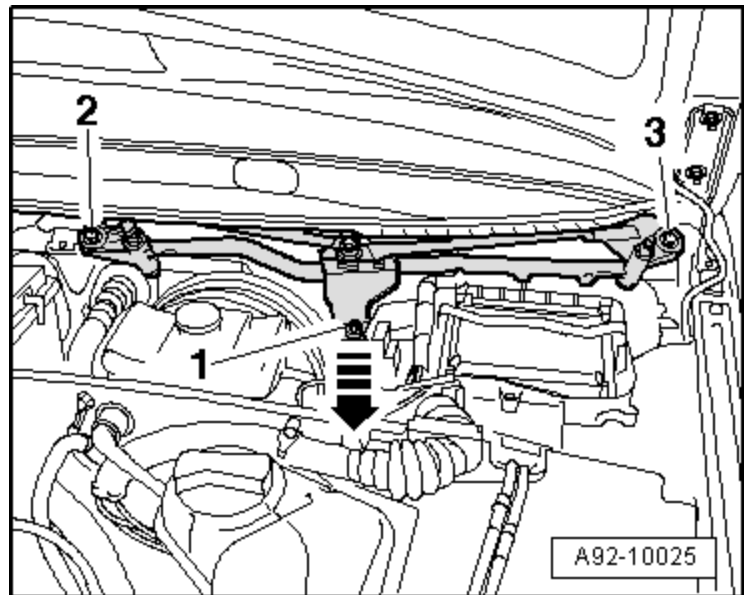


- Press wiper linkage in to stop in direction of -arrow- and tighten bolt -1-.
- Then tighten bolts -2- and -3- in sequence.
- Actuate touch-wipe function and allow wiper motor to move to end position.



Caution

- ◆ **Switch off all electrical consumers.**
- ◆ **Switch ignition off and remove ignition key.**



- Check and if necessary, align crank -1- with wiper frame.
- Angle $\alpha = 2$ degrees
- Hold crank in position and hand-tighten nut -2- so setting is not altered.
- Then brace crank with an open-end wrench and tighten nut fully.
- Switch on ignition.
- Actuate touch-wipe function and allow wiper motor to move to end position.
- Check that angle α is attained; re-align if necessary.

**Note**

Shown with wiper frame removed for illustration purposes.

- Set wiper blades to park position → [Chapter](#).

Tightening Specifications

Component - fastener	Nm
Wiper crank to wiper motor - nut	18
Wiper motor to wiper frame - bolt	9
Wiper frame to plenum chamber - bolt	8

