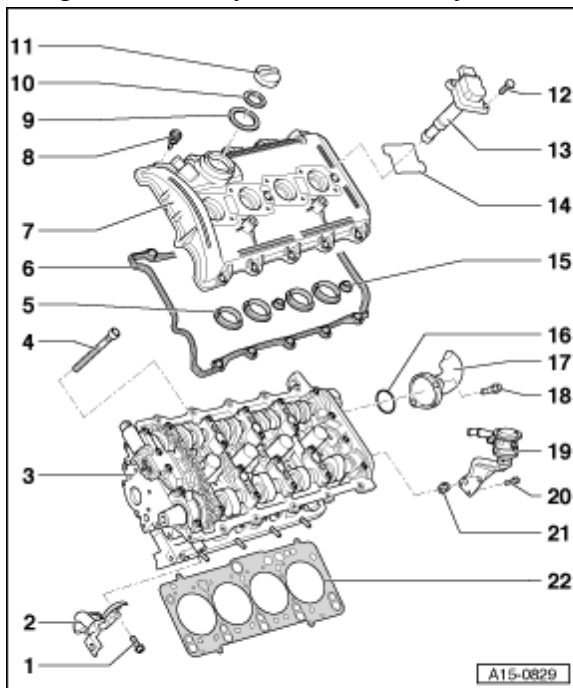


Cylinder head - exploded view



Note

Diagram shows cylinder head on cylinder bank 2 (left-side).



1 - Bolt

q 22 Nm

2 - Bracket

q For air pipe

3 - Cylinder head

q Removing cylinder head (left-side) → [Chapter](#)

q Removing cylinder head (right-side) → [Chapter](#)

q Checking for distortion → [Fig.](#)

q Machining is not permitted

q Installing → [Chapter](#)

q If renewed, change engine oil and coolant

4 - Cylinder head bolt

q Renew

q Note correct sequence when loosening → [Anchor](#) and → [Anchor](#)

q Note correct sequence when tightening → [Anchor](#)

5 - Seals for cylinder head cover and ignition coils

q Renew if damaged or leaking

6 - Gasket for cylinder head cover

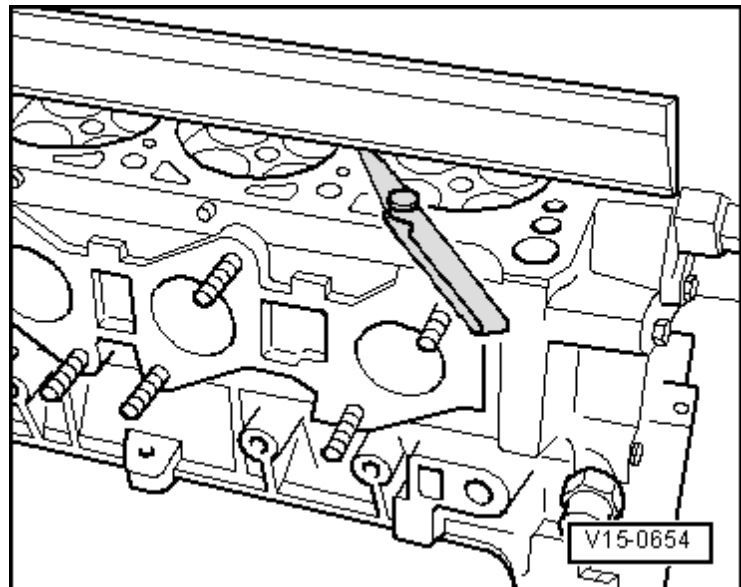
q Renew if damaged or leaking

- q Before fitting, apply sealant at sealing points → [Fig.](#)
- q Sealant → [Parts catalogue](#)
- 7 - Cylinder head cover
 - q Removing and installing cylinder head cover (left-side) → [Chapter](#)
 - q Removing and installing cylinder head cover (right-side) → [Chapter](#)
- 8 - Special bolt
 - q 10 Nm
 - q Renew if damaged or leaking
 - q Note sequence when tightening → [Anchor](#) and → [Anchor](#)
- 9 - Seal
 - q Renew if damaged or leaking
- 10 - Seal
 - q For filler cap
 - q Renew if damaged or leaking
- 11 - Filler cap
- 12 - Bolt
 - q 10 Nm
- 13 - Ignition coil
- 14 - Gasket
 - q Renew if damaged
- 15 - Gasket for cylinder head cover
 - q Renew if damaged or leaking
- 16 - O-ring
 - q Renew
- 17 - Coolant pipe (rear)
 - q Removing and installing → [Chapter](#)
- 18 - Bolt
 - q 10 Nm
- 19 - Combination valve for secondary air system
 - q Removing and installing → [Chapter](#)
- 20 - Bolt
 - q 10 Nm
- 21 - Seal
 - q Renew
- 22 - Cylinder head gasket
 - q Renewing from → [Chapter „Removing cylinder head \(left-side\)“](#)
 - q Installation position: Part No. towards cylinder head
 - q If renewed, change engine oil and coolant

Checking cylinder head for distortion

– Use straight edge and feeler gauge to measure for distortion at several points.

1 Max. permissible distortion: 0.1 mm



Sealing points between bearing cap and cylinder head

– Apply a drop of sealant to the edges of the sealing surfaces between the bearing cap and cylinder head at the front and rear (Ø approx. 5 mm) - arrows-; sealant → [Parts catalogue](#).

