

Workshop Manual

Audi A6 2005 ➤

Audi A6 China 2005 ➤

Technical data for engines

Engine ID	BKH	BPP	ASB	BAT	AUK	BPJ	BMK	BSG	BNK
	BBJ	CCA A	BDW	CDY B	CAH A	CDY C	BNG	BXA	CAN B
	CDY A	CAN C	BVJ	BRE	BLB	CAN A	BDX	BUH	CAG B
	CCE A	BNA	CAJA	BRF	CAN D	CCD A	BYU	CAH B	CALA
	BYK	BVG							

Edition 11.2015

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

List of Workshop Manual Repair Groups

Repair Group

00 - Technical data



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Technical information should always be available to the foremen and mechanics, because their careful and constant adherence to the instructions is essential to ensure vehicle road-worthiness and safety. In addition, the normal basic safety precautions for working on motor vehicles must, as a matter of course, be observed.

Contents

00 - Technical data	1
1 Overview of engines	1
1.1 Overview of engines with adjustment values (oil gauge tester T40178)	1



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

00 – Technical data

1 Overview of engines

(ARL004499; Edition 11.2015)

⇒ ["1.1 Overview of engines with adjustment values \(oil gauge tester T40178\)", page 1](#)

1.1 Overview of engines with adjustment values (oil gauge tester T40178)

Audi A6 - vehicle model code 4F ⇒ [page 1](#)

Audi A6 China - vehicle model code 4Z ⇒ [page 4](#)

1) Not available at time of publication.

1.1.1 Audi A6 - vehicle model code 4F

Petrol engines

En- gine code	Lay- out/ cylin- ders	Ca- pacity [ltr.]	Injec- tion sys- tem	Rated output [kW] (at en- gine speed [rpm])	Tor- que [Nm] (at en- gine speed [rpm])	Cam- shaft drive	Stroke [mm]	Bore [mm]	Com- pres- sion ra- tio [:1]	Ad- just- ment value for ad- juster ring	Min. oil lev- el	Max. oil lev- el
AUK	V6	3.2	FSI	188 6400	320 -1)	Chain	92.80 0	84.50 0	12.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BAT	V8	4.2	MPI	246 6500	410 3500	Tooth- ed belt	92.80 0	84.50 0	11.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BBJ	V6	3.0	MPI	160 6300	290 3200	Tooth- ed belt	92.80 0	82.50 0	10.30	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BDW	V6	2.4	MPI	130 5600	230 -1)	Chain	77.40 0	81.00 0	10.30	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BDX	V6	2.8	FSI	154 6000	280 -1)	Chain	82.40 0	84.50 0	12.00	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BKH	V6	3.2	FSI	188 6400	330 -1)	Chain	92.80 0	84.50 0	12.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BNK	V8	4.2	MPI	246 6500	420 3500	Tooth- ed belt	92.80 0	84.50 0	11.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BPJ	R4	2.0	FSI	125 4300- 6000	280 1800- 4200	Tooth- ed belt	92.80 0	82.50 0	10.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BUH	V10	5.0	FSI	426	650	Chain	89.20 0	84.50 0	10.00	En- gine	En- gine	En- gine



En- gine code	Lay- out/ cylinders	Ca- pacity [ltr.]	Injec- tion sys- tem	Rated output [kW] (at en- gine speed [rpm])	Tor- que [Nm] (at en- gine speed [rpm])	Cam- shaft drive	Stroke [mm]	Bore [mm]	Com- pres- sion ra- tio [:1]	Ad- just- ment value for ad- juster ring	Min. oil lev- el	Max. oil lev- el
				6250- 6700	1500- 6250					oil dip- stick	oil dip- stick	oil dip- stick
BVJ	V8	4.2	FSI	257 6500	440 3500	Tooth- ed belt	92.80 0	84.50 0	11.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BXA	V10	5.2	FSI	320 6800	540 3000- 4000	Chain	92.80 0	84.50 0	12.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BYK	R4	2.0	FSI	125 5700	280 1800- 4200	Tooth- ed belt	92.80 0	82.50 0	10.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BYU	V6	3.2	FSI	183 6500	330 3250	Chain	92.80 0	84.50 0	12.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
CAJA	V6	3.0	FSI	213 4850- 6800	420 2500- 4850	Chain	89.00 0	84.50 0	10.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
CALA	V6	3.2	FSI	195 6500	330 3000- 5000	Chain	92.80 0	85.50 0	12.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
CCAA	V6	3.0	FSI	220 5100- 6800	420 2500- 5100	Chain	89.00 0	84.50 0	10.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
CCDA	V6	2.8	FSI	140 5000- 6800	280 3000- 4500	Chain	82.40 0	84.50 0	12.00	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
CCEA	V6	2.8	FSI	162 5750- 6800	280 3000- 5000	Chain	82.40 0	84.50 0	12.00	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick

Diesel engines

En- gine code	Lay- out/ cylinders	Ca- pacity [ltr.]	Injec- tion sys- tem	Rated output [kW] (at en- gine speed [rpm])	Tor- que [Nm] (at en- gine speed [rpm])	Cam- shaft drive	Stroke [mm]	Bore [mm]	Com- pres- sion ra- tio [:1]	Ad- just- ment value for ad- juster ring	Min. oil lev- el	Max. oil lev- el
ASB	V6	3.0	TDI CR	171 4000	450 1500	Chain	91.40 0	83.00 0	19.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BLB	R4	2.0	TDI (unit	103	320	Tooth- ed belt	95.50 0	81.00 0	18.50	En- gine	En- gine	En- gine

En- gine code	Lay- out/ cylin- ders	Ca- pacity [ltr.]	Injec- tion sys- tem	Rated output [kW] (at en- gine speed [rpm])	Tor- que [Nm] (at en- gine speed [rpm])	Cam- shaft drive	Stroke [mm]	Bore [mm]	Com- pres- sion ra- tio [:1]	Ad- just- ment value for ad- juster ring	Min. oil lev- el	Max. oil lev- el
			injec- tor)	4000	1750					oil dip- stick	oil dip- stick	oil dip- stick
BMK	V6	3.0	TDI CR	165 4000	450 1500	Chain	91.40 0	83.00 0	19.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BNA	R4	2.0	TDI (unit injec- tor)	100 4000	320 1750	Tooth- ed belt	95.50 0	81.00 0	18.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BNG	V6	3.0	TDI CR	155 4000	450 1400	Chain	91.40 0	83.00 0	17.00	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BPP	V6	2.7	TDI CR	132 3300- 4500	380 1400- 3300	Chain	83.10 0	83.00 0	17.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BRE	R4	2.0	TDI (unit injec- tor)	103 - ¹⁾	320 - ¹⁾	Tooth- ed belt	95.50 0	81.00 0	18.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BRF	R4	2.0	TDI (unit injec- tor)	100 - ¹⁾	320 - ¹⁾	Tooth- ed belt	95.50 0	81.00 0	18.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BSG	V6	2.7	TDI CR	120 4000	380 1500	Chain	83.10 0	83.00 0	17.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BVG	R4	2.0	TDI (unit injec- tor)	89 - ¹⁾	320 - ¹⁾	Tooth- ed belt	95.50 0	81.00 0	18.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
CAGB	R4	2.0	TDI CR	100 4200	320 1750- 2500	Tooth- ed belt	95.50 0	81.00 0	16.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
CAHA	R4	2.0	TDI CR	125 4200	350 1750- 2500	Tooth- ed belt	95.50 0	81.00 0	16.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
CAHB	R4	2.0	TDI CR	120 4200	350 1750- 2500	Tooth- ed belt	95.50 0	81.00 0	16.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
CANA	V6	2.7	TDI CR	140 3300	380 1400	Chain	83.10 0	83.00 0	- ¹⁾	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
CANB	V6	2.7	TDI CR	120 - ¹⁾	380 - ¹⁾	Chain	83.10 0	83.00 0	- ¹⁾	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



En- gine code	Lay- out/ cylin- ders	Ca- pacity [ltr.]	Injec- tion sys- tem	Rated output [kW] (at en- gine speed [rpm])	Tor- que [Nm] (at en- gine speed [rpm])	Cam- shaft drive	Stroke [mm]	Bore [mm]	Com- pres- sion ratio [:1]	Ad- just- ment value for ad- juster ring	Min. oil lev- el	Max. oil lev- el
CANC	V6	2.7	TDI CR	140 3300	450 1400	Chain	83.10 0	83.00 0	- ¹⁾	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
CAND	V6	2.7	TDI CR	120 - ¹⁾	450 - ¹⁾	Chain	83.10 0	83.00 0	- ¹⁾	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
CDYA	V6	3.0	TDI CR	176 4500	500 1750	Chain	91.40 0	83.00 0	- ¹⁾	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
CDYB	V6	3.0	TDI CR	155 - ¹⁾	500 - ¹⁾	Chain	91.40 0	83.00 0	- ¹⁾	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
CDYC	V6	3.0	TDI CR	176 4500	450 1750	Chain	91.40 0	83.00 0	- ¹⁾	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

1.1.2 Audi A6 China - vehicle model code 4Z

Petrol engines

En- gine code	Lay- out/ cylin- ders	Ca- pacity [ltr.]	Injec- tion sys- tem	Rated output [kW] (at en- gine speed [rpm])	Tor- que [Nm] (at en- gine speed [rpm])	Cam- shaft drive	Stroke [mm]	Bore [mm]	Com- pres- sion ratio [:1]	Ad- just- ment value for ad- juster ring	Min. oil lev- el	Max. oil lev- el
AUK	V6	3.2	FSI	188 6400	320 - ¹⁾	Chain	92.80 0	84.50 0	12.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BAT	V8	4.2	MPI	246 6500	410 3500	Tooth- ed belt	92.80 0	84.50 0	11.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BBJ	V6	3.0	MPI	160 6300	290 3200	Tooth- ed belt	92.80 0	82.50 0	10.30	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BDW	V6	2.4	MPI	130 5600	230 - ¹⁾	Chain	77.40 0	81.00 0	10.30	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BDX	V6	2.8	FSI	154 6000	280 - ¹⁾	Chain	82.40 0	84.50 0	12.00	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
BPJ	R4	2.0	FSI	125	280	Tooth- ed belt	92.80 0	82.50 0	10.50	En- gine	En- gine	En- gine

En- gine code	Lay- out/ cylin- ders	Ca- pacity [ltr.]	Injec- tion sys- tem	Rated output [kW] (at en- gine speed [rpm])	Tor- que [Nm] (at en- gine speed [rpm])	Cam- shaft drive	Stroke [mm]	Bore [mm]	Com- pres- sion ra- tio [:1]	Ad- just- ment value for ad- juster ring	Min. oil lev- el	Max. oil lev- el
				4300- 6000	1800- 4200					oil dip- stick	oil dip- stick	oil dip- stick
BVJ	V8	4.2	FSI	257 6500	440 3500	Tooth- ed belt	92.80 0	84.50 0	11.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
CAJA	V6	3.0	FSI	213 4850- 6800	420 2500- 4850	Chain	89.00 0	84.50 0	10.50	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick
CCEA	V6	2.8	FSI	162 5750- 6800	280 3000- 5000	Chain	82.40 0	84.50 0	12.00	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick

Diesel engines

En- gine code	Lay- out/ cylin- ders	Ca- pacity [ltr.]	Injec- tion sys- tem	Rated output [kW] (at en- gine speed [rpm])	Tor- que [Nm] (at en- gine speed [rpm])	Cam- shaft drive	Stroke [mm]	Bore [mm]	Com- pres- sion ra- tio [:1]	Ad- just- ment value for ad- juster ring	Min. oil lev- el	Max. oil lev- el
CANA	V6	2.7	TDI CR	140 3300	380 1400	Chain	83.10 0	83.00 0	- ¹⁾	En- gine oil dip- stick	En- gine oil dip- stick	En- gine oil dip- stick



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.