

## Gearbox identification

### Code letters, mechanical unit assignment, transmission ratios, capacities

Manual gearbox		6-speed 01E, four-wheel drive		
Code letters		DQT	DSY	EDU
<b>Production</b>	from to	07.97	01.98	01.98
<b>Allocation</b>	Model	<b>Audi A6 1998 &gt;</b>	Audi A6 1998 >	<b>Audi A6 1998 &gt;</b>
	Engine	2.5 l - 110 kW - TDI	2.7 l - 184 kW- Biturbo	2.7 l - 169 kW- Biturbo
<b>Ratio</b> Z2 :Z1=i	Final drive	37 : 9 = 4.111	37 : 9 = 4.111	37 : 9 = 4.111
	1st gear	28 : 8 = 3.500	28 : 8 = 3.500	28 : 8 = 3.500
	2nd gear	34 : 18 = 1.889	34 : 18 = 1.889	34 : 18 = 1.889
	3rd gear	32 : 26 = 1.231	32 : 26 = 1.231	32 : 26 = 1.231
	4th gear	27 : 31 = 0.871	29 : 30 = 0.967	29 : 30 = 0.967
	5th gear	26 : 39 = 0.667	29 : 36 = 0.806	29 : 36 = 0.806
	6th gear	23 : 41 = 0.561	26 : 38 = 0.684	26 : 38 = 0.684
	Reverse gear	38 : 11 = 3.455	38 : 11 = 3.455	38 : 11 = 3.455
Code letters		DQT	DSY	EDU
<b>Speedometer</b>		electronic		
<b>Capacity</b>		2.5 litres 1)	3.4 litres 1)2)	2.5 litres 1)
<b>Specification</b>		Gear oil G 052 911 A SAE 75 W 90 (synthetic oil)		
<b>Clutch mechanism</b>		hydraulic		
<b>Clutch plate ø</b>		240 mm3)		
<b>Drive shaft flange ø</b>		130 mm4)	108 mm	108 mm
<b>Overall ratio iov. in top gear</b>		2.306	2.813	2.813
<b>Assignment of rear final drive Code letters</b>		CUB	DSA EUJ	DSA EUJ

- 1) Oil capacity was reduced
- 2) Oil capacity includes 0.3 l for gearbox oil cooler and oil pipe. When replacing gearbox, oil cooler and oil pipes have to be completely drained
- 3) with dual mass flywheel
- 4) for tripod joint drive shafts with 130 mm centring diameter

Manual gearbox		6-speed 01E, four-wheel drive		
Code letters		EEY	EHS	EHT
<b>Production</b>	from to	06.99	10.99	10.99
<b>Allocation</b>	Model	<b>Audi A6 1998 &gt;</b>	Audi A6 1998 > allroad quattro without additional shift stage	Audi A6 1998 > allroad quattro without additional shift stage
	Engine	4.2 l - 250 kW - S6	2.7 l - 184 kW- Biturbo	2.5 l - 132 kW - TDI
<b>Ratio</b> Z2 :Z1=i	Final drive	37 : 9 = 4.111	35 : 8 = 4.375	35 : 8 = 4.375
	1st gear	28 : 8 = 3.500	30 : 8 = 3.750	30 : 8 = 3.750
	2nd gear	34 : 18 = 1.889	35 : 17 = 2.059	35 : 17 = 2.059
	3rd gear	33 : 25 = 1.320	34 : 24 = 1.417	33 : 25 = 1.320
	4th gear	30 : 29 = 1.034	30 : 28 = 1.071	28 : 30 = 0.933
	5th gear	30 : 35 = 0.857	30 : 35 = 0.857	27 : 37 = 0.730

	6th gear	27 : 37 = 0.730	27 : 37 = 0.730	24 : 40 = 0.600
	Reverse gear	38 : 11 = 3.455	38 : 11 = 3.455	38 : 11 = 3.455
<b>Code letters</b>		<b>EEY</b>	<b>EHS</b>	<b>EHT</b>
<b>Speedometer</b>		electronic		
<b>Capacity</b>		3.4 litres 1)2)	3.4 litres 1)2)	3.4 litres 1)2)
<b>Specification</b>		Gear oil G 052 911 A SAE 75 W 90 (synthetic oil)		
<b>Clutch mechanism</b>		hydraulic		
<b>Clutch plate <math>\varnothing</math></b>		240 mm3)		
<b>Drive shaft flange <math>\varnothing</math></b>		108 mm	88 mm5)	88 mm5)
<b>Overall ratio iov. in top gear</b>		3.000	3.193	2.625
<b>Assignment of rear final drive Code letters</b>		DSA EUU	ENX	ENX

- 1) Oil capacity was reduced
- 2) Oil capacity includes 0.3 l for gearbox oil cooler and oil pipe. When replacing gearbox, oil cooler and oil pipes have to be completely drained
- 3) with dual mass flywheel
- 5) for tripod joint drive shafts with 88 mm centring diameter

<b>Manual gearbox</b>		<b>6-speed 01E, four-wheel drive</b>		
<b>Code letters</b>		<b>EKM</b>	<b>ETH</b>	<b>ETJ</b>
<b>Production</b>	from to	08.99	10.99	10.99
<b>Allocation</b>	Model	Audi A6 1998 >	Audi A6 1998 > allroad quattro with additional shift stage	Audi A6 1998 > allroad quattro with additional shift stage
	Engine	2.5 l - 132 kW - TDI	2.5 l - 132 kW - TDI	2.7 l - 184 kW - Biturbo
<b>Ratio</b>	Additional shift stage	-	i = 1.544	i = 1.544
<b>Ratio</b>	Final drive	35 : 9 = 3.889	35 : 8 = 4.375	35 : 8 = 4.375
Z2 :Z1=i	1st gear	30 : 8 = 3.750	30 : 8 = 3.750	30 : 8 = 3.750
	2nd gear	35 : 17 = 2.059	35 : 17 = 2.059	35 : 17 = 2.059
	3rd gear	33 : 25 = 1.320	33 : 25 = 1.320	34 : 24 = 1.417
	4th gear	28 : 30 = 0.933	28 : 30 = 0.933	30 : 28 = 1.071
	5th gear	27 : 38 = 0.711	27 : 37 = 0.730	30 : 35 = 0.857
	6th gear	23 : 41 = 0.561	24 : 40 = 0.600	27 : 37 = 0.730
	Reverse gear	38 : 11 = 3.455	38 : 11 = 3.455	38 : 11 = 3.455
<b>Code letters</b>		<b>EKM</b>	<b>ETH</b>	<b>ETJ</b>
<b>Speedometer</b>		electronic		
<b>Capacity</b>		3.4 litres 1)2)	3.4 litres 1)2)	3.4 litres 1)2)
<b>Specification</b>		Gear oil G 052 911 A SAE 75 W 90 (synthetic oil)		
<b>Clutch mechanism</b>		hydraulic		
<b>Clutch plate <math>\varnothing</math></b>		240 mm3)		
<b>Drive shaft flange <math>\varnothing</math></b>		130 mm4)	88 mm5)	88 mm5)
<b>Overall ratio iov. in top gear</b>		2.182	2.625	3.193
<b>Assignment of rear final drive Code letters</b>		EUT	ENX	ENX

- 1) Oil capacity was reduced

- 2) Oil capacity includes 0.3 l for gearbox oil cooler and oil pipe. When replacing gearbox, oil cooler and oil pipes have to be completely drained
- 3) with dual mass flywheel
- 4) for tripod joint drive shafts with 130 mm centring diameter
- 5) for tripod joint drive shafts with 88 mm centring diameter

Manual gearbox		6-speed 01E, four-wheel drive		
Code letters		FGY	FGZ	FPW
<b>Production</b>	from to	10.99	10.99	03.01
<b>Allocation</b>	Model	Audi A6 1998 > allroad quattro with additional shift stage	Audi A6 1998 > allroad quattro with additional shift stage	<b>Audi A6 1998 &gt;</b>
	Engine	2.7 l - 184 kW- Biturbo	2.5 l - 132 kW - TDI	
<b>Ratio</b>	Additional shift stage	i = 1.544	i = 1.544	-
<b>Ratio</b> Z2 :Z1=i	Final drive	35 : 8 = 4.375	35 : 8 = 4.375	35 : 8 = 4.375
	1st gear	30 : 8 = 3.750	30 : 8 = 3.750	28 : 8 = 3.500
	2nd gear	35 : 17 = 2.059	35 : 17 = 2.059	34 : 18 = 1.889
	3rd gear	34 : 24 = 1.417	33 : 25 = 1.320	33 : 25 = 1.320
	4th gear	30 : 28 = 1.071	28 : 30 = 0.933	30 : 29 = 1.034
	5th gear	30 : 35 = 0.857	27 : 37 = 0.730	30 : 35 = 0.857
	6th gear	27 : 37 = 0.730	24 : 40 = 0.600	27 : 37 = 0.730
	Reverse gear	38 : 11 = 3.455	38 : 11 = 3.455	38 : 11 = 3.455

Code letters	FGY	FGZ	FPW
<b>Speedometer</b>	electronic		
<b>Capacity</b>	3.4 litres 1)2)	3.4 litres 1)2)	2.5 litres 1)
<b>Specification</b>	Gear oil G 052 911 A SAE 75 W 90 (synthetic oil)		
<b>Clutch mechanism</b>	hydraulic		
<b>Clutch plate ø</b>	240 mm3)		
<b>Drive shaft flange ø</b>	88 mm5)	88 mm5)	130 mm4)
<b>Overall ratio iov. in top gear</b>	3.193	2.625	3.193
<b>Assignment of rear final drive Code letters</b>	ENX	ENX	EXY

- 1) Oil capacity was reduced
- 2) Oil capacity includes 0.3 l for gearbox oil cooler and oil pipe. When replacing gearbox, oil cooler and oil pipes have to be completely drained
- 3) with dual mass flywheel
- 4) for tripod joint drive shafts with 130 mm centring diameter
- 5) for tripod joint drive shafts with 88 mm centring diameter

Manual gearbox	6-speed 01E, four-wheel drive		
Code letters	FRP	FTF	FTG

<b>Production</b>	from to	05.01	05.01	05.01
<b>Allocation</b>	Model	<b>Audi A6 1998 &gt;</b>	<b>Audi A6 1998 &gt;</b>	<b>Audi A6 1998 &gt;</b>
	Engine	4.2 l - 250 kW - S6	2.5 l - 110 kW - TDI	2.7 l - 169 kW - Biturbo
<b>Ratio</b>	Additional shift stage	-	-	-
<b>Ratio</b> Z2 :Z1=i	Final drive	37 : 9 = 4.111	37 : 9 = 4.111	37 : 9 = 4.111
	1st gear	28 : 8 = 3.500	28 : 8 = 3.500	28 : 8 = 3.500
	2nd gear	34 : 18 = 1.889	34 : 18 = 1.889	34 : 18 = 1.889
	3rd gear	33 : 25 = 1.320	32 : 26 = 1.231	32 : 26 = 1.231
	4th gear	30 : 29 = 1.034	27 : 31 = 0.871	29 : 30 = 0.967
	5th gear	30 : 35 = 0.857	26 : 39 = 0.667	29 : 36 = 0.806
	6th gear	27 : 37 = 0.730	23 : 41 = 0.561	26 : 38 = 0.684
	Reverse gear	38 : 11 = 3.455	38 : 11 = 3.455	38 : 11 = 3.455

<b>Code letters</b>	<b>FRP</b>	<b>FTF</b>	<b>FTG</b>
<b>Speedometer</b>	electronic		
<b>Capacity</b>	3.4 litres 1)2)	2.5 litres 1)	2.5 litres 1)
<b>Specification</b>	Gear oil G 052 911 A SAE 75 W 90 (synthetic oil)		
<b>Clutch mechanism</b>	hydraulic		
<b>Clutch plate ø</b>	240 mm3)		
<b>Drive shaft flange ø</b>	108 mm	130 mm4)	108 mm
<b>Overall ratio iov. in top gear</b>	3.000	2.306	2.813
<b>Assignment of rear final drive Code letters</b>	EUU	EUU	EUU

1) Oil capacity was reduced

2) Oil capacity includes 0.3 l for gearbox oil cooler and oil pipe. When replacing gearbox, oil cooler and oil pipes have to be completely drained

3) with dual mass flywheel

4) for tripod joint drive shafts with 130 mm centring diameter

<b>Manual gearbox</b>	<b>6-speed 01E, four-wheel drive</b>		
<b>Code letters</b>	<b>FTH</b>	<b>FTJ</b>	<b>FTL</b>
<b>Production</b>	from to	05.01	05.01
<b>Allocation</b>	Model	Audi A6 1998 > allroad quattro without additional shift stage	Audi A6 1998 > allroad quattro without additional shift stage
	Engine	2.5 l - 132 kW - TDI	2.7 l - 184 kW - Biturbo
<b>Ratio</b>	Additional shift stage	-	-
<b>Ratio</b> Z2 :Z1=i	Final drive	35 : 8 = 4.375	35 : 8 = 4.375
	1st gear	30 : 8 = 3.750	30 : 8 = 3.750
	2nd gear	35 : 17 = 2.059	35 : 17 = 2.059
	3rd gear	33 : 25 = 1.320	34 : 24 = 1.417
	4th gear	28 : 30 = 0.933	30 : 28 = 1.071

5th gear	27 : 37 = 0.730	30 : 35 = 0.857	27 : 38 = 0.711
6th gear	24 : 40 = 0.600	27 : 37 = 0.730	23 : 41 = 0.561
Reverse gear	38 : 11 = 3.455	38 : 11 = 3.455	38 : 11 = 3.455

Code letters	FTH	FTJ	FTL
Speedometer	electronic		
Capacity	3.4 litres 1)2)	3.4 litres 1)2)	3.4 litres 1)2)
Specification	Gear oil G 052 911 A SAE 75 W 90 (synthetic oil)		
Clutch mechanism	hydraulic		
Clutch plate $\varnothing$	240 mm3)		
Drive shaft flange $\varnothing$	88 mm5)	88 mm5)	130 mm4)
Overall ratio iov. in top gear	2.625	3.193	2.182
Assignment of rear final drive Code letters	ENX	ENX	EUT

- 1) Oil capacity was reduced
- 2) Oil capacity includes 0.3 l for gearbox oil cooler and oil pipe. When replacing gearbox, oil cooler and oil pipes have to be completely drained
- 3) with dual mass flywheel
- 4) for tripod joint drive shafts with 130 mm centring diameter
- 5) for tripod joint drive shafts with 88 mm centring diameter

Manual gearbox		6-speed 01E, four-wheel drive		
Code letters		FTN	FTP	FTQ
Production	from to	05.01	05.01	05.01
Allocation	Model	Audi A6 1998 > allroad quattro with additional shift stage	Audi A6 1998 > allroad quattro with additional shift stage	Audi A6 1998 > allroad quattro with additional shift stage
	Engine	2.5 l - 132 kW - TDI	2.5 l - 132 kW - TDI	2.7 l - 184 kW - Biturbo
Ratio	Additional shift stage	i = 1.544	i = 1.544	i = 1.544
Ratio Z2 :Z1=i	Final drive	35 : 8 = 4.375	35 : 8 = 4.375	35 : 8 = 4.375
	1st gear	30 : 8 = 3.750	30 : 8 = 3.750	30 : 8 = 3.750
	2nd gear	35 : 17 = 2.059	35 : 17 = 2.059	35 : 17 = 2.059
	3rd gear	33 : 25 = 1.320	33 : 25 = 1.320	34 : 24 = 1.417
	4th gear	28 : 30 = 0.933	28 : 30 = 0.933	30 : 28 = 1.071
	5th gear	27 : 37 = 0.730	27 : 37 = 0.730	30 : 35 = 0.857
	6th gear	24 : 40 = 0.600	24 : 40 = 0.600	27 : 37 = 0.730
	Reverse gear	38 : 11 = 3.455	38 : 11 = 3.455	38 : 11 = 3.455

Code letters	FTN	FTP	FTQ
Speedometer	electronic		
Capacity	3.4 litres 1)2)	3.4 litres 1)2)	3.4 litres 1)2)
Specification	Gear oil G 052 911 A SAE 75 W 90 (synthetic oil)		
Clutch mechanism	hydraulic		
Clutch plate $\varnothing$	240 mm3)		

<b>Drive shaft flange <math>\varnothing</math></b>	88 mm <sup>5)</sup>	88 mm <sup>5)</sup>	88 mm <sup>5)</sup>
<b>Overall ratio iov. in top gear</b>	2.625	2.625	3.193
<b>Assignment of rear final drive Code letters</b>	ENX	ENX	ENX

- 1) Oil capacity was reduced
- 2) Oil capacity includes 0.3 l for gearbox oil cooler and oil pipe. When replacing gearbox, oil cooler and oil pipes have to be completely drained
- 3) with dual mass flywheel
- 5) for tripod joint drive shafts with 88 mm centring diameter

<b>Manual gearbox</b>		<b>6-speed 01E, four-wheel drive</b>		
<b>Code letters</b>		<b>FTR</b>		
<b>Production</b>	from to	05.01		
<b>Allocation</b>	Model  Engine	Audi A6 1998 > allroad quattro with additional shift stage 2.7 l - 184 kW- Biturbo		
<b>Ratio</b>	Additional shift stage	i = 1.544		
<b>Ratio</b> Z2 :Z1=i	Final drive	35 : 8 = 4.375		
	1st gear	30 : 8 = 3.750		
	2nd gear	35 : 17 = 2.059		
	3rd gear	34 : 24 = 1.417		
	4th gear	30 : 28 = 1.071		
	5th gear	30 : 35 = 0.857		
	6th gear	27 : 37 = 0.730		
	Reverse gear	38 : 11 = 3.455		

<b>Code letters</b>	<b>FTR</b>		
<b>Speedometer</b>	electronic		
<b>Capacity</b>	3.4 litres 1)2)		
<b>Specification</b>	Gear oil G 052 911 A SAE 75 W 90 (synthetic oil)		
<b>Clutch mechanism</b>	hydraulic		
<b>Clutch plate <math>\varnothing</math></b>	240 mm <sup>3)</sup>		
<b>Drive shaft flange <math>\varnothing</math></b>	88 mm <sup>5)</sup>		
<b>Overall ratio iov. in top gear</b>	3.193		
<b>Assignment of rear final drive Code letters</b>	ENX		

- 1) Oil capacity was reduced
- 2) Oil capacity includes 0.3 l for gearbox oil cooler and oil pipe. When replacing gearbox, oil cooler and oil pipes have to be completely drained
- 3) with dual mass flywheel
- 5) for tripod joint drive shafts with 88 mm centring diameter

## Identification of rear final drive

### Code letters, mechanical unit assignment, transmission ratios, capacities

Rear final drive		01R		
Code letters		CUB	DSA	ENX
Production	from	07.97	01.98	01.00
	to	-	08.99	-
Allocation	Model	Audi A6 1998 >	Audi A6 1998 >	Audi A6 1998 > allroad quattro
	Engine	2.5 l - 110 kW - TDI	2.7 l - 169 kW- Biturbo 2.7 l - 184 kW- Biturbo 4.2 l - 250 kW - S6	2.5 l - 132 kW - TDI 2.7 l - 184 kW- Biturbo
Ratio	Final drive	37 : 9 = 4.111	37 : 9 = 4.111	35 : 8 = 4.375
Capacity		1.5 ltr.		
Specification		Gear oil GL 5 SAE 90 (MIL-L 2105 B)		
Drive shaft flange ø		100 mm	108 mm	108 mm
Assignment of manual gearbox Code letters		DQT FTF	DSY EDU EEY	EHT, EHS ETH, ETJ FGY, FTZ FTH, FTJ FTN, FTP FTQ, FTR

Rear final drive		01R		
Code letters		EUT	EUU	FRB
Production	from	09.99	07.99	05.01
	to			
Allocation	Model	Audi A6 1998 >	Audi A6 1998 >	Audi A6 1998 >
	Engine	2.5 l - 132 kW - TDI	2.7 l - 169 kW- Biturbo 2.7 l - 184 kW- Biturbo 4.2 l - 250 kW - S6	4.2 l - 250 kW - S6
Ratio	Final drive	35 : 9 = 3.889	37 : 9 = 4.111	37 : 9 = 4.111
Capacity		1.5 ltr.		
Specification		Gear oil GL 5 SAE 90 (MIL-L 2105 B)		
Drive shaft flange ø		108 mm	108 mm	108 mm
Assignment of manual gearbox Code letters		EKM FTL	DSY, EDU EEY, FRP FTF, FTG	FRP

Rear final drive		01R		
Code letters		EXY		
Production	from	03.01		
	to	-		
Allocation	Model	Audi A6 1998 >		
	Engine	3.0 l - 162 kW		
Ratio	Final drive	35 : 8 = 4.375		
Capacity		1.5 ltr.		
Specification		Gear oil GL 5 SAE 90 (MIL-L 2105 B)		
Drive shaft flange ø		108 mm		

Assignment of manual gearbox Code letters	FPW		
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