

Code letters, assembly allocation, ratios, equipment

Direct shift transmission		02E - 6-speed		
Transmission	Code letters	GAY	GKF	GPU
Manufactured	from to	05.05 05.05	05.05 05.05	05.05 05.05
Allocation	Model	Jetta 2005 ➤	Jetta 2005 ➤	Jetta 2005 ➤
	Engine	1.9 L -74 kW Turbo-Diesel 1.9 L -77 kW Turbo-Diesel	2.0 L - 100 kW Turbo-Diesel, 2.0 L - 103 kW Turbo-Diesel	2.0 L - 100 kW Turbo-Diesel, 2.0 L - 103 kW Turbo-Diesel
Ratio: $Z_2 : Z_1$	Final drive 1 for 1st to 4th gear	70 : 16 = 4,375	69 : 17 = 4,059	69 : 17 = 4,059
	Final drive 2 for 5th/6th and reverse gear	70 : 21 = 3,333	69 : 22 = 3,136	69 : 22 = 3,136
	1. Gear	45 : 13 = 3,462	45 : 13 = 3,462	45 : 13 = 3,462
	2. Gear	41 : 20 = 2,050	41 : 20 = 2,050	41 : 20 = 2,050
	3. Gear	39 : 30 = 1,300	39 : 30 = 1,300	39 : 30 = 1,300
	4. Gear	37 : 41 = 0,902	37 : 42 = 0,881	37 : 42 = 0,881
	5. Gear	32 : 35 = 0,914	32 : 35 = 0,914	32 : 35 = 0,914
	6. Gear	31 : 41 = 0,756	31 : 42 = 0,738	31 : 42 = 0,738
	Reverse Gear	33 : 13 x 22 : 14 = 3,989	33 : 13 x 22 : 14 = 3,989	33 : 13 x 22 : 14 = 3,989
Direct shift transmission		02E - 6-speed		
Transmission	Code letters	GPV	GPW	GYM
Manufactured	from to	05.05 05.05	05.05 05.05	05.05 05.05
Allocation	Model	Jetta 2005 ➤	Jetta 2005 ➤	Jetta 2005 ➤
	Engine	1.9 L -74 kW Turbo-Diesel 1.9 L -77 kW Turbo-Diesel	1.9 L -74 kW Turbo-Diesel 1.9 L -77 kW Turbo-Diesel	2.0 L - 100 kW Turbo-Diesel, 2.0 L - 103 kW Turbo-Diesel
Ratio: $Z_2 : Z_1$	Final drive 1 for 1st to 4th gear	70 : 16 = 4,375	70 : 16 = 4,375	69 : 17 = 4,059
	Final drive 2 for 5th/6th and reverse gear	70 : 21 = 3,333	70 : 21 = 3,333	69 : 22 = 3,136
	1. Gear	45 : 13 = 3,462	45 : 13 = 3,462	45 : 13 = 3,462
	2. Gear	41 : 20 = 2,050	41 : 20 = 2,050	41 : 20 = 2,050
	3. Gear	39 : 30 = 1,300	39 : 30 = 1,300	39 : 30 = 1,300

	4. Gear	37 : 41 = 0,902	37 : 41 = 0,902	37 : 42 = 0,881
	5. Gear	32 : 35 = 0,914	32 : 35 = 0,914	32 : 35 = 0,914
	6. Gear	31 : 41 = 0,756	31 : 41 = 0,756	31 : 42 = 0,738
	Reverse Gear	33 : 13 x 22 : 14 = 3,989	33 : 13 x 22 : 14 = 3,989	33 : 13 x 22 : 14 = 3,989
Direct shift transmission		02E - 6-speed		
Transmission	Code letters	GYN	GYQ	GYR
Manufactured	from to	05.05 05.05	11.04 02.05	05.05
Allocation	Model	Jetta 2005 ➤	Jetta 2005 ➤	Jetta 2005 ➤
	Engine	2.0 L - 100 kW Turbo-Diesel, 2.0 L - 103 kW Turbo-Diesel	1.9 L -77 kW Turbo-Diesel	1.9 L -74 kW Turbo-Diesel 1.9 L -77 kW Turbo-Diesel
Ratio: $Z_2 : Z_1$	Final drive 1 for 1st to 4th gear	69 : 17 = 4,059	70 : 16 = 4,375	70 : 16 = 4,375
	Final drive 2 for 5th/6th and reverse gear	69 : 22 = 3,136	70 : 21 = 3,333	70 : 21 = 3,333
	1. Gear	45 : 13 = 3,462	45 : 13 = 3,462	45 : 13 = 3,462
	2. Gear	41 : 20 = 2,050	41 : 20 = 2,050	41 : 20 = 2,050
	3. Gear	39 : 30 = 1,300	39 : 30 = 1,300	39 : 30 = 1,300
	4. Gear	37 : 42 = 0,881	37 : 41 = 0,902	37 : 41 = 0,902
	5. Gear	32 : 35 = 0,914	32 : 35 = 0,914	32 : 35 = 0,914
	6. Gear	31 : 42 = 0,738	31 : 41 = 0,756	31 : 41 = 0,756
	Reverse Gear	33 : 13 x 22 : 14 = 3,989	33 : 13 x 22 : 14 = 3,989	33 : 13 x 22 : 14 = 3,989
Direct shift transmission		02E - 6-speed		
Transmission	Code letters	HBP	HBQ	HFQ
Manufactured	from to	05.05 05.05	05.05 05.05	05.05 07.05
Allocation	Model	Jetta 2005 ➤	Jetta 2005 ➤	Jetta 2005 ➤
	Engine	2.0 L -100 kW Turbo-Diesel	1.9 L -74 kW Turbo-Diesel 1.9 L -77 kW Turbo-Diesel	2.0 L - 100 kW Turbo-Diesel, 2.0 L - 103 kW Turbo-Diesel
Ratio: $Z_2 : Z_1$	Final drive 1 for 1st to 4th gear	70 : 17 = 4,118	69 : 17 = 4,059	70 : 17 = 4,118
	Final drive 2 for 5th/6th and reverse gear	70 : 23 = 3,043	69 : 22 = 3,136	70 : 23 = 3,043
	1. Gear	45 : 13 = 3,462	45 : 13 = 3,462	45 : 13 = 3,462
	2. Gear	41 : 20 = 2,050	43 : 20 = 2,150	41 : 20 = 2,050

	3. Gear	39 : 30 = 1,300	41 : 28 = 1,464	39 : 30 = 1,300
	4. Gear	37 : 41 = 0,902	41 : 38 = 1,079	37 : 41 = 0,902
	5. Gear	32 : 35 = 0,914	35 : 32 = 1,094	32 : 35 = 0,914
	6. Gear	31 : 41 = 0,756	35 : 38 = 0,921	31 : 41 = 0,756
	Reverse Gear	33 : 13 x 22 : 14 = 3,989	33 : 13 x 22 : 14 = 3,989	33 : 13 x 22 : 14 = 3,989
Direct shift transmission		02E - 6-speed		
Transmission	Code letters	HJQ	HLE	HLF
Manufactured	from to	05.05	05.05 05.05	05.05 05.05
Allocation	Model	Jetta 2005 ➤	Jetta 2005 ➤	Jetta 2005 ➤
	Engine	2.0 L - 100 kW Turbo-Diesel, 2.0 L - 103 kW Turbo-Diesel	2.0 L -100 kW Turbo-Diesel	2.0 L - 100 kW Turbo-Diesel, 2.0 L - 103 kW Turbo-Diesel
Ratio: $Z_2 : Z_1$	Final drive 1 for 1st to 4th gear	69 : 17 = 4,059	70 : 17 = 4,118	69 : 17 = 4,059
	Final drive 2 for 5th/6th and reverse gear	69 : 22 = 3,136	70 : 23 = 3,043	69 : 22 = 3,136
	1. Gear	45 : 13 = 3,462	45 : 13 = 3,462	45 : 13 = 3,462
	2. Gear	41 : 20 = 2,050	41 : 20 = 2,050	41 : 20 = 2,050
	3. Gear	39 : 30 = 1,300	39 : 30 = 1,300	39 : 30 = 1,300
	4. Gear	37 : 42 = 0,881	37 : 41 = 0,902	37 : 42 = 0,881
	5. Gear	32 : 35 = 0,914	32 : 35 = 0,914	32 : 35 = 0,914
	6. Gear	31 : 42 = 0,738	31 : 41 = 0,756	31 : 42 = 0,738
	Reverse Gear	33 : 13 x 22 : 14 = 3,989	33 : 13 x 22 : 14 = 3,989	33 : 13 x 22 : 14 = 3,989
Direct shift transmission		02E - 6-speed		
Transmission	Code letters	HLH	HQF	HQH
Manufactured	from to	02.05 07.05	05.05 07.05	07.05
Allocation	Model	Jetta 2005 ➤	Jetta 2005 ➤	Jetta 2005 ➤
	Engine	1.9 L -74 kW Turbo-Diesel 1.9 L -77 kW Turbo-Diesel	2.0 L - 100 kW Turbo-Diesel, 2.0 L - 103 kW Turbo-Diesel	1.9 L -74 kW Turbo-Diesel
Ratio: $Z_2 : Z_1$	Final drive 1 for 1st to 4th gear	70 : 16 = 4,375	70 : 17 = 4,118	70 : 16 = 4,375
	Final drive 2 for 5th/6th and reverse gear	70 : 21 = 3,333	70 : 23 = 3,043	70 : 21 = 3,333
	1. Gear	45 : 13 = 3,462	45 : 13 = 3,462	45 : 13 = 3,462

	2. Gear	41 : 20 = 2,050	41 : 20 = 2,050	41 : 20 = 2,050
	3. Gear	39 : 30 = 1,300	39 : 30 = 1,300	39 : 30 = 1,300
	4. Gear	37 : 41 = 0,902	37 : 41 = 0,902	37 : 41 = 0,902
	5. Gear	32 : 35 = 0,914	32 : 35 = 0,914	32 : 35 = 0,914
	6. Gear	31 : 41 = 0,756	31 : 41 = 0,756	31 : 41 = 0,756
	Reverse Gear	33 : 13 x 22 : 14 = 3,989	33 : 13 x 22 : 14 = 3,989	33 : 13 x 22 : 14 = 3,989
Direct shift transmission		02E - 6-speed		
Transmission	Code letters	HQK	HQL	HQN
Manufactured	from to	05.05 05.05	07.05	02.05
Allocation	Model	Jetta 2005 ➤	Jetta 2005 ➤	Jetta 2005 ➤
	Engine	1.9 L -74 kW Turbo-Diesel 1.9 L -77 kW Turbo-Diesel	2.0 L - 100 kW Turbo-Diesel, 2.0 L - 103 kW Turbo-Diesel	1.9 L -74 kW Turbo-Diesel 1.9 L -77 kW Turbo-Diesel
Ratio: $Z_2 : Z_1$	Final drive 1 for 1st to 4th gear	69 : 17 = 4,059	70 : 17 = 4,118	70 : 16 = 4,375
	Final drive 2 for 5th/6th and reverse gear	69 : 22 = 3,136	70 : 23 = 3,043	70 : 21 = 3,333
	1. Gear	45 : 13 = 3,462	45 : 13 = 3,462	45 : 13 = 3,462
	2. Gear	43 : 20 = 2,150	41 : 20 = 2,050	41 : 20 = 2,050
	3. Gear	41 : 28 = 1,464	39 : 30 = 1,300	39 : 30 = 1,300
	4. Gear	41 : 38 = 1,079	37 : 41 = 0,902	37 : 41 = 0,902
	5. Gear	35 : 32 = 1,094	32 : 35 = 0,914	32 : 35 = 0,914
	6. Gear	35 : 38 = 0,921	31 : 41 = 0,756	31 : 41 = 0,756
	Reverse Gear	33 : 13 x 22 : 14 = 3,989	33 : 13 x 22 : 14 = 3,989	33 : 13 x 22 : 14 = 3,989
Direct shift transmission		02E - 6-speed		
Transmission	Code letters	HQQ	HRW	HTB
Manufactured	from to	05.05 07.05	05.05 07.05	07.06
Allocation	Model	Jetta 2005 ➤	Jetta 2005 ➤	Jetta 2005 ➤
	Engine	1.9 L -74 kW Turbo-Diesel 1.9 L -77 kW Turbo-Diesel	2.0 L - 147 kW Turbo-FSI	2.0 L - 100 kW Turbo-Diesel, 2.0 L - 103 kW Turbo-Diesel
Ratio: $Z_2 : Z_1$	Final drive 1 for 1st to 4th gear	69 : 17 = 4,059	69 : 17 = 4,059	70 : 17 = 4,118
	Final drive 2 for 5th/6th and reverse gear	69 : 22 = 3,136	69 : 22 = 3,136	70 : 23 = 3,043

	1. Gear	45 : 13 = 3,462	45 : 13 = 3,462	45 : 13 = 3,462
	2. Gear	43 : 20 = 2,150	43 : 20 = 2,150	41 : 20 = 2,050
	3. Gear	41 : 28 = 1,464	41 : 28 = 1,464	39 : 30 = 1,300
	4. Gear	41 : 38 = 1,079	41 : 38 = 1,079	37 : 41 = 0,902
	5. Gear	35 : 32 = 1,094	35 : 32 = 1,094	32 : 35 = 0,914
	6. Gear	35 : 38 = 0,921	35 : 38 = 0,921	31 : 41 = 0,756
	Reverse Gear	33 : 13 x 22 : 14 = 3,989	33 : 13 x 22 : 14 = 3,989	33 : 13 x 22 : 14 = 3,989
Direct shift transmission		02E - 6-speed		
Transmission	Code letters	HUS	HUT	HVV
Manufactured	from to	05.05 05.05	05.05 12.05	05.06
Allocation	Model	Jetta 2005 ➤	Jetta 2005 ➤	Jetta 2005 ➤
	Engine	2.0 L - 147 kW Turbo-FSI	2.0 L - 147 kW Turbo-FSI	1.4 L - 103 kW Turbo-FSI 1.4 L - 125 kW Turbo-FSI
Ratio: $Z_2 : Z_1$	Final drive 1 for 1st to 4th gear	69 : 17 = 4,059	69 : 17 = 4,059	72 : 15 = 4,800
	Final drive 2 for 5th/6th and reverse gear	69 : 22 = 3,136	69 : 22 = 3,136	72 : 20 = 3,600
	1. Gear	45 : 13 = 3,462	45 : 13 = 3,462	45 : 13 = 3,462
	2. Gear	43 : 20 = 2,150	43 : 20 = 2,150	43 : 20 = 2,150
	3. Gear	41 : 28 = 1,464	41 : 28 = 1,464	41 : 28 = 1,464
	4. Gear	41 : 38 = 1,079	41 : 38 = 1,079	41 : 38 = 1,079
	5. Gear	35 : 32 = 1,094	35 : 32 = 1,094	35 : 32 = 1,094
	6. Gear	35 : 38 = 0,921	35 : 38 = 0,921	35 : 38 = 0,921
	Reverse Gear	33 : 13 x 22 : 14 = 3,989	33 : 13 x 22 : 14 = 3,989	33 : 13 x 22 : 14 = 3,989
Direct shift transmission		02E - 6-speed		
Transmission	Code letters	HXS	HXU	HXW
Manufactured	from to	12.05	12.05	12.05
Allocation	Model	Jetta 2005 ➤	Jetta 2005 ➤	Jetta 2005 ➤
	Engine	2.0 L - 100 kW Turbo-Diesel, 2.0 L - 103 kW Turbo-Diesel	1.9 L - 74 kW Turbo-Diesel 1.9 L - 77 kW Turbo-Diesel	2.0 L - 147 kW Turbo-FSI
Ratio: $Z_2 : Z_1$	Final drive 1 for 1st to 4th gear	70 : 17 = 4,118	70 : 16 = 4,375	69 : 17 = 4,059
	Final drive 2 for 5th/6th and	70 : 23 = 3,043	70 : 21 = 3,333	69 : 22 = 3,136

	reverse gear			
	1. Gear	$45 : 13 = 3,462$	$45 : 13 = 3,462$	$45 : 13 = 3,462$
	2. Gear	$41 : 20 = 2,050$	$41 : 20 = 2,050$	$43 : 20 = 2,150$
	3. Gear	$39 : 30 = 1,300$	$39 : 30 = 1,300$	$41 : 28 = 1,464$
	4. Gear	$37 : 41 = 0,902$	$37 : 41 = 0,902$	$41 : 38 = 1,079$
	5. Gear	$32 : 35 = 0,914$	$32 : 35 = 0,914$	$35 : 32 = 1,094$
	6. Gear	$31 : 41 = 0,756$	$31 : 41 = 0,756$	$35 : 38 = 0,921$
	Reverse Gear	$33 : 13 \times 22 : 14 = 3,989$	$33 : 13 \times 22 : 14 = 3,989$	$33 : 13 \times 22 : 14 = 3,989$
Direct shift transmission		02E - 6-speed		
Transmission	Code letters	HYC		
Manufactured	from to	07.06		
Allocation	Model	Jetta 2005 ➤	Jetta 2005 ➤	Jetta 2005 ➤
	Engine	2.0 L - 100 kW Turbo-Diesel, 2.0 L - 103 kW Turbo-Diesel		
Ratio: $Z_2 : Z_1$	Final drive 1 for 1st to 4th gear	$70 : 17 = 4,118$		
	Final drive 2 for 5th/6th and reverse gear	$70 : 23 = 3,043$		
	1. Gear	$45 : 13 = 3,462$		
	2. Gear	$41 : 20 = 2,050$		
	3. Gear	$39 : 30 = 1,300$		
	4. Gear	$37 : 41 = 0,902$		
	5. Gear	$32 : 35 = 0,914$		
	6. Gear	$31 : 41 = 0,756$		
	Reverse Gear	$33 : 13 \times 22 : 14 = 3,989$		

Code letters, assembly allocation, ratios, equipment

Calculation of transmission ratios "i"

Example:

	6. Gear	Final drive
Drive gear	$ZG_1 = 41$	$ZA_1 = 21$
Driven gear	$ZG_2 = 31$	$ZA_2 = 70$

$$i = Z_2 : Z_1^)$$

$$i_G = \text{gear ratio} = ZG_2 : ZG_1 = 31 : 41 = 0,756$$

$$i_A = \text{axle ratio} = ZA_2 : ZA_1 = 70 : 21 = 3,333$$

$$i_{\text{total}} = \text{overall ratio}$$

$$= i_G \times i_A = 0.756 \times 3.333 = 2,52$$

$$) Z_1 = \text{no. of teeth drive gear}, Z_2 = \text{no. of teeth driven gear}$$