
Workshop Manual

911

Carrera 4

The workshop manual is only for the internal use of the Porsche Dealer Organization.

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* No provisions are currently made for repair of the automatic section.

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Diagnosis

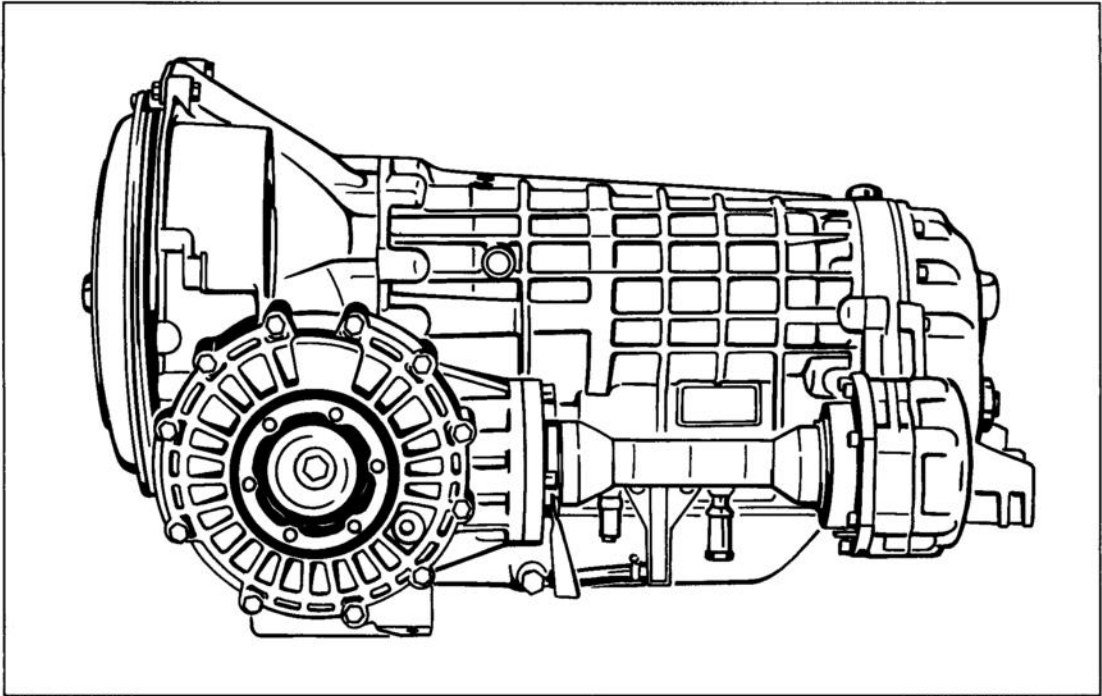
Tiptronic Diagnosis / Troubleshooting

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* No provisions are currently made for repair of the automatic section.

Technical data

4-speed Tiptronic transmission A50



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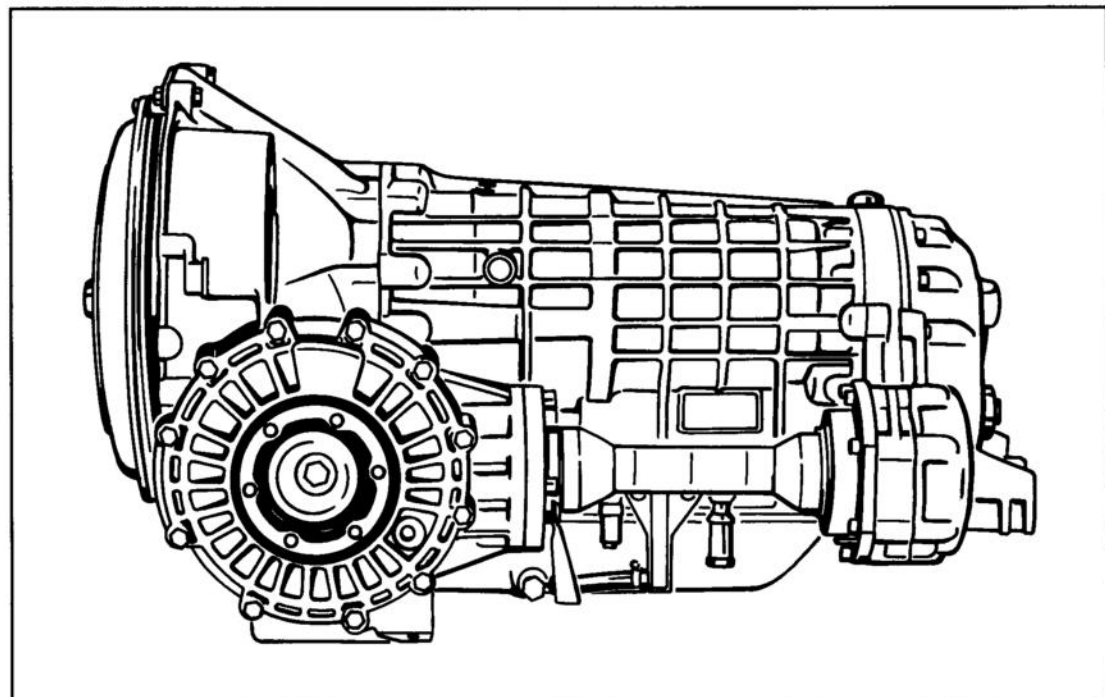
Type	Identification code	Equipment	Installed in	Model year
A50/01		4-speed	911 Carrera 2 worldwide	90

Technical data

General data	A50/01	
Design	fully-automatic 4-speed planetary transmission (Tiptronic)	
Ratio		
Spur pinion	1.100	
1st gear	2.479	
2nd gear	1.479	
3rd gear	1.000	
4th gear	0.728	
Reverse gear	2.086	
Final drive	Hypoid bevel gear with 15 mm offset	
Final drive ratio	9:33	i = 3.667
Stall speed	2300 $\pm$ 200	
Capacity, rear axle final drive	approx. 0.9 l multi-grade transmission oil 75 W 90 API classification GL5 (MIL-L 2105 B), optionally SAE 90	
Capacity, automatic unit with converter	Total capacity approx. 9.0 l Change quantity approx. 3.0 l ATF-Dexron II D	

Technical data

4-speed Tiptronic transmission A50



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Type	Identification code	Equipment	Installed in	Model year
A50/01		4-speed	911 Carrera 2 worldwide	90/91
A50/02		4-speed	911 Carrera 2 worldwide (except USA)	92/93/94
A50/03		4-speed	911 Carrera 2 USA	92/93/94

Technical data

General data	A50/01	A50/02	A50/03
Design	fully-automatic 4-speed planetary transmission (Tiptronic)		
Ratio			
Spur pinion	1.100		
1st gear	2.479		
2nd gear	1.479		
3rd gear	1.000		
4th gear	0.728		
Reverse gear	2.086		
Final drive	Hypoid bevel gear with 15 mm offset		
Final drive ratio	9:33	i = 3.667	9 : 32 i = 3,555
Stall speed	2300 – 400		
Capacity, rear axle final drive	approx. 0.9 l multi-grade transmission oil 75 W 90 API classification GL5 (MIL-L 2105 B), optionally SAE 90		
Capacity, automatic unit with converter	Total capacity approx. 9.5 l Change quantity approx. 3.5 l ATF-Dexron II D		

Removing and installing the torque converter

Removing

1. Remove transmission.
2. Remove converter, with transmission in horizontal position.

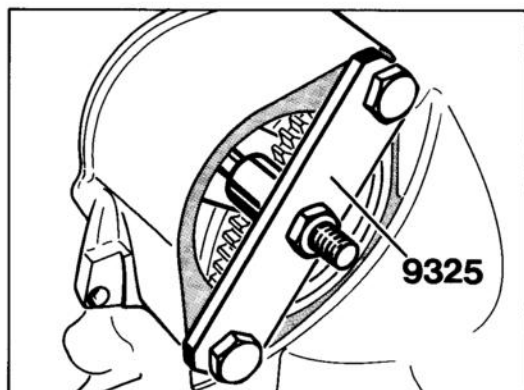
Note

Do not damage converter bearing assembly and rotary shaft seal.

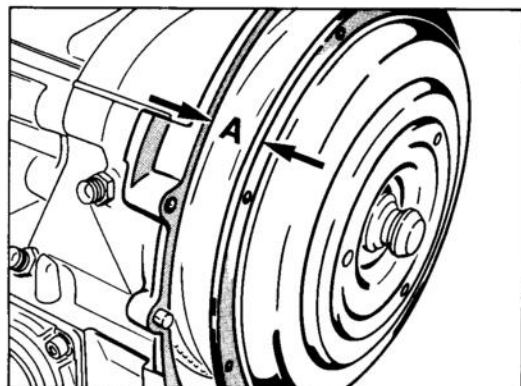
Installing

1. Carefully insert converter, with transmission in horizontal position. Turn the converter to and fro until the gear toothing engages and the installation position is reached.

2. Secure converter against falling out with special tool 9325



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A = approx. 25 mm