Workshop Manual

Audi A1 2011 ➤ , Audi A3 2004 ➤ , Audi A4 2008 ➤ , Audi A4 2015 ➤ , Audi A5 Cabriolet 2009 ➤ , Audi A5 Coupé 2008 ➤ , Audi A6 2011 ➤ , Audi A8 2010 ➤ , Audi Q3 2012 ➤ , Audi Q5 2008 ➤ , Audi Q7 2007 ➤ , Audi Q7 2016 ➤ , Audi R8 2007 ➤ , Audi TT 2007 ➤

Specifications for testing the braking force (according to German legislation)

Edition 07.2016

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List of Workshop Manual Repair Groups

Repair Group

00 - Technical data

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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.

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00 – Technical data

1 Testing the braking force

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1.1 Legal requirements

With the modifications to EU regulations on the monitoring of the roadworthiness of motor vehicles (EU Directives 2009/40/EC and 2010/48/EU), it became necessary to adapt §29 of the German Road Traffic Permit Act (StVZO) on the inspection of motor vehicles and their trailers (general inspection). According to the 47th Variations Regulation, from 1/8/2012 onwards new inspection specifications apply amongst other things for testing the foot brake of EU class M1 vehicles (passenger cars with up to 9 seats) with an initial registration date of 28/7/2011 and later.

M1 class vehicles are vehicles used for the carriage of passengers with a maximum of 9 seats (incl. the driver's seat), colloquially termed passenger cars and caravans.

The test method and specifications are implemented in the software for the brake test equipment.

1.2 Specifications for testing the braking force

Note

- *In Germany, the braking force test is carried out as part of the general inspection (§29 of the German StVZO) by a testing organisation authorised in the Federal Republic of Germany on brake test equipment suitable for this purpose.*
- *The brake test equipment must meet certain requirements. For more details, please contact the brake test equipment's manufacturer directly.*
- *All brake test equipment approved by AUDI AG meets these requirements.*

The specifications apply for all model and engine versions of the individual vehicle types.

Model	Type	Specifications according to §29 of StVZO				
		$F_{PED-MAX}$ [N]	F_{PED} [N] above	F_{PED} [N] below	$F_{min.}$, front axle [%]	$F_{min.}$, rear axle [%]
Audi A1	8X	160	48	145	55	16
Audi A3	8P	200	45	156	51	18
Audi A3	8V	158	46	127	56	16
Audi A4	8E	206	37	279	57	16
Audi A4	8K	147	44	221	50	22
Audi A4 allroad	8KH	151	44	221	50	22
Audi A4	8W	166	44	219	52	18

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Model	Type	Specifications according to §29 of StVZO				
		$F_{PED-MAX}$ [N]	F_{PED} [N] above	F_{PED} [N] below	F min., front axle [%]	F min., rear axle [%]
Audi A4 allroad	8W	171	44	219	52	18
Audi A5 Coupé	8T	147	44	221	50	18
Audi A5 Cabriolet	8F	147	44	221	50	22
Audi A6	4F	154	44	221	52	19
Audi A6	4G	154	44	221	52	19
Audi A7	4G	154	44	221	52	19
Audi A8	4E	193	44	186	50	19
Audi A8	4H	151	44	221	52	19
Audi TT	8J	141	47	129	57	15
Audi TT	FV	126	46	127	56	16
Audi R8	42	137	56	261	38	32
Audi R8 II	4S	138	53	248	40	30
Audi R8 e-tron	42 B	102	53	266	40	30
Audi Q2	GA	176	46	155	53	16
Audi Q3	8U	176	45	178	53	16
Audi Q5	8R	164	44	221	50	20
Audi Q5 II	FY	175	44	219	52	19
Audi Q7	4L	200	34	206	48	20
Audi Q7	4M	163	38	181	52	19

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