

Installation position of suspension springs at rear axle

Topic number	LI35.10-P-064468
Version	1
Design group	35.10 Complete rear axle
Date	07-09-2016
Validity	fortwo 453
Reason for change	
Reason for block	

Complaint:

On some vehicles, the right suspension spring at the rear axle was installed rotated 180° and may exhibit lateral forces.

Attachments	
File	Description
Sitz Feder rechts gedreht.JPG	Seat of spring on right; spring end is oriented toward wheel side by turning through 180°.

Cause:

Suspension springs installed before 11/01/2015 .

These springs can be identified by the presence of 6 spring coils.

Attachments	
File	Description
Federsitz links.JPG	Seat of spring on left; spring end oriented toward engine
Federsitz rechts.JPG	Seat of spring on right; spring end oriented toward engine

Remedy:

Newly designed suspension springs have been available since 01.01.2016; the new springs have 5.5 spring coils.

The part numbers as well as the color codes of the springs have also been changed to aid in identification; see parts table.

Note on installation of new suspension springs:

As these springs no longer exhibit any lateral forces, they can be installed with the same orientation as on the left side.

Here, the spring end points toward the engine; see the picture in the attachment.

The new suspension springs must always be installed in pairs.

Symptoms
Chassis/suspension / Suspension characteristic / Pulls to the right
Chassis/suspension / Suspension characteristic / Unsatisfying straight ahead running
Chassis/suspension / Suspension characteristic / Under stress at rear axle
Chassis/suspension / Axle / Rear axle / Function / Under stress

XENTRY TIPS

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 453 324 08 00			Suspension spring at rear axle	2	replaces the old spring A4533241304 with old color code "pink pink"; new color code "green pink"	X
A 453 324 09 00			Suspension spring at rear axle	2	replaces the old spring A4533241104 with old color code "pink white"; new color code "green white"	X
A 453 324 12 00			Suspension spring at rear axle	2	replaces the old spring A4533241204 with old color code "pink blue"; new color code "green blue"	X
A 453 324 06 00			Suspension spring at rear axle	2	replaces the old spring A4533241304 with old color code "pink red"; new color code "green red"	X
A 453 324 07 00			Suspension spring at rear axle	2	replaces the old spring A4533241404 with old color code "pink green"; new color code "green green"	X
A 453 324 11 00			Suspension spring at rear axle	2	replaces the old spring A4533241504 with old color code "pink yellow"; new color code "green yellow"	X
A 453 324 10 00			Suspension spring at rear axle	2	replaces the old spring A4533240304 with color code "pink violet"; new color code "green violet"	X
A 453 324 13 00			Suspension spring at rear axle, sports package	2	replaces the old spring A4533240000 with old color code "orange pink"; new color code "gray pink"	X
A 453 324 16 00			Suspension spring at rear axle, sport package	2	replaces the old spring A4533245604 with old color code "orange white"; new color code "gray white"	X
A 453 324 15 00			Suspension spring at rear axle, sports package	2	replaces the old spring A4533245504 with old color code "orange blue"; new color code "gray blue"	X
A 453 324 19 00			Suspension spring at rear axle, sport package	2	replaces the old spring A4533245404 with old color code "orange red"; new color code "gray red"	X
A 453 324 18 00			Suspension spring at rear axle, sport package	2	replaces the old spring A4533245304 with old color code "orange green"; new color code "gray green"	X
A 453 324 17 00			Suspension spring at rear axle, sport package	2	replaces the old spring A4533245704 with old color code "orange yellow"; new color code "gray yellow"	X
A 453 324 14 00			Suspension spring at rear axle, sports package	2	replaces the old spring A4533245804 with old color code "orange violet"; new color code "gray violet"	X

Attachments

XENTRY TIPS

Federsitz links.JPG:



Federsitz rechts.JPG:



XENTRY TIPS

Sitz Feder rechts gedreht.JPG:

