

Technical Service Bulletin



21 Mil on - P0299 Negative pressure deviation, turbocharger excessive wastegate play

21 13 12 2031245/3 April 1, 2013. Supersedes Technical Service Bulletin Group 21 number 13-11 dated March 6, 2013 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4	2009 - 2013	All	6 speed automatic (0B6)
A5	2009 - 2013		
A5 Cab	2009 - 2013		
Q5	2011 - 2013		
A6	2012 - 2013		

Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised header data (Modified affected vehicles)
2	3/6/12	Revised <i>Warranty</i> (SRT times)
1	10/25/12	Original publication

BOTH of the following apply:

- MIL on, **DTC P0299** (Negative Pressure Deviation) is stored.
- Turbocharger waste gate flap has play.

Technical Background

Under certain driving conditions, the linkage for the waste gate actuation can encounter excessive wear which leads to play at the waste gate flap. This leads to boost escaping through a loose flap, which sets **DTC P0299** (Negative Pressure Deviation).

Production Solution

Not applicable.

Service

1. Remove turbocharger as per ELSA instructions: *Repair Manual >> Engine / Engine Mechanical >> 21 Turbocharger, G-Charger >> Removal and Installation >> Turbocharger.*
2. Install clip **06J145220B** on a replacement turbocharger's link plate and actuating rod joint as illustrated (Figures 1 and 2).

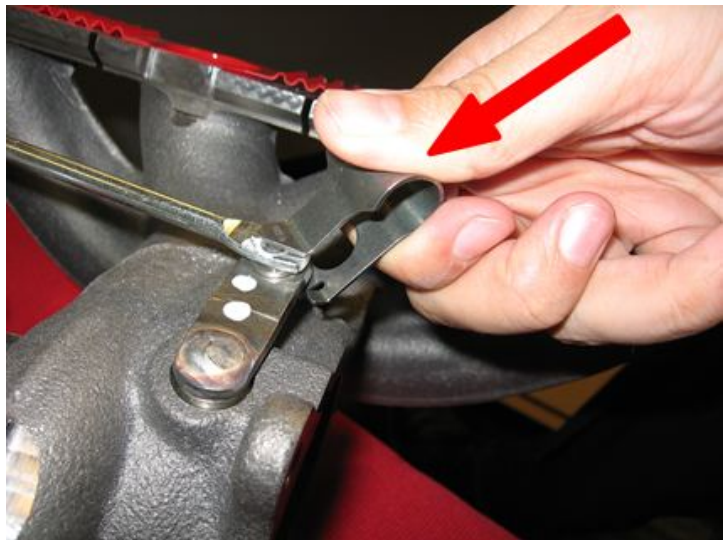


Figure 1. Fit the clip from the side.

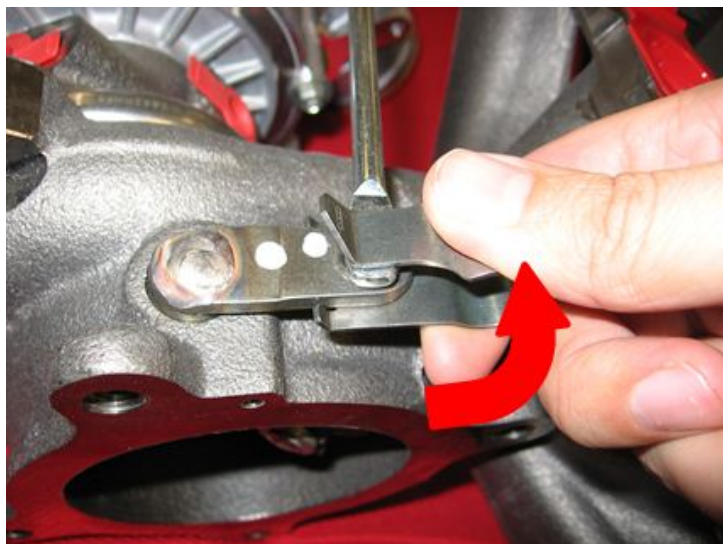


Figure 2. Turn the clip counter clockwise till the lugs slot in.



Tip:

- The spring clip must not be overstretched. The maximum opening of the spring clip is 14 mm (Figure 3, 1).
- The spring clip must be replaced after every removal.

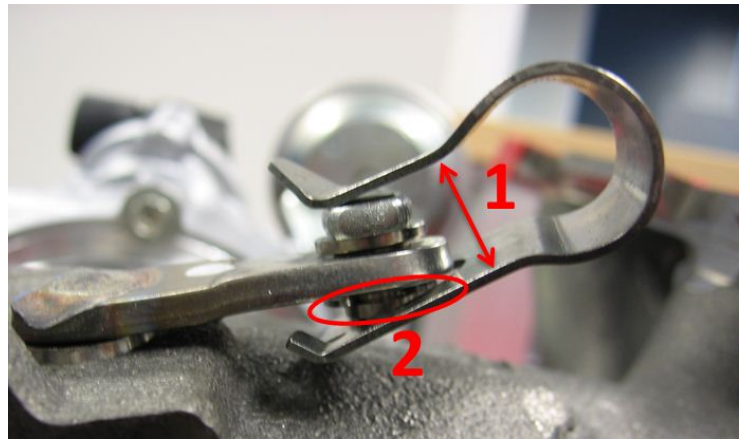


Figure 3. (1) Maximum opening of clip, (2) Position of original circlip

3. After fitting the spring clip, check for correct fit (Figure 4).

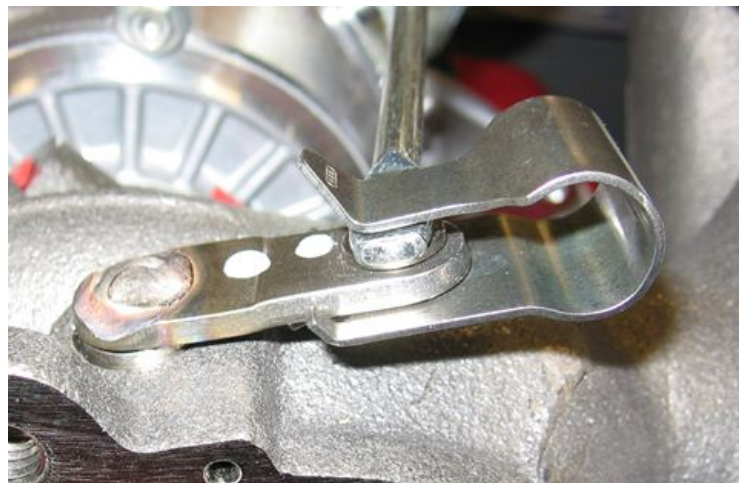


Figure 4. Correctly-fitted clip.

4. After fitting the spring clip, check the position of the original circlip (Figure 5, 2) and correct it if necessary.

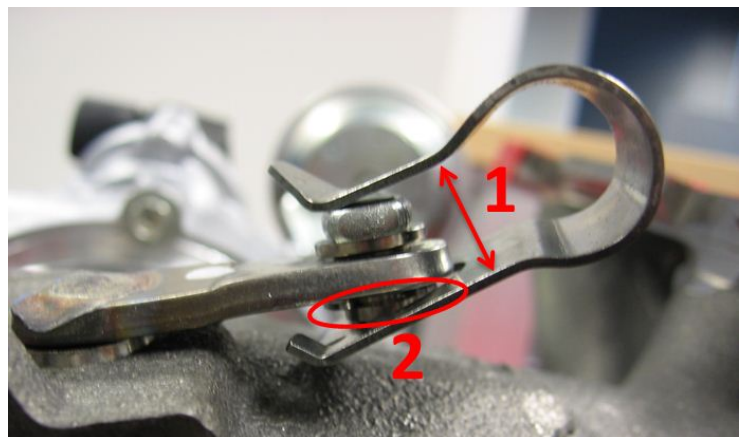


Figure 5. (1) Maximum opening of clip, (2) Position of original circlip

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5. Install the new turbocharger as per *Repair Manual >> Engine >> Engine Mechanical >> 21 Turbocharger, G-Charger >> Removal and Installation >> Turbocharger*.



Note: Do not install clip on a used or pre-damaged turbocharger, as the same level of improvement as on a new part is not achieved.

Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	2130		
Damage Code:	0018		
Labor Operations:	Turbocharger remove and reinstall	2130 1913	370 TU
	Turbocharger replace	2130 5563	30 TU
	Install clip on turbocharger	2130 2199	10 TU
Diagnostic Time:	GFF – Checking and clearing fault codes included in existing labor operations	0150 0000	Time stated on diagnostic protocol (Max 40 TU)
	Road test prior to service procedure	0121 0002	10 TU
	Road test after service procedure	0121 0004	10 TU
	Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details)		
Claim Comment:	As per TSB #2031245/2		

All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

Required Parts and Tools

Part Number	Part Description	Quantity
06J145220B	Clip	1
8K0253115H	Gasket	1
WHT002514	Shouldered hex. Nut, self-locking	4
N 10730201	Stud	4
06F145757L	Gasket	2
06F253039F	Gasket	1
N 0138149	Seal ring	6
N 0138514	Seal ring	2
06H145702S	Turbocharger	1

Additional Information

All parts and service references provided in this TSB are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.