

# Technical Service Bulletin



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

21 13 11 2031245/2 March 6, 2013. Supersedes Technical Service Bulletin Group 21 number 12-10 dated October 25, 2012 for reasons listed below.

| Model(s) | Year      | VIN Range | Vehicle-Specific Equipment |
|----------|-----------|-----------|----------------------------|
| A4       | 2009-2010 | All       | 6 speed automatic (0B6)    |
| A5       |           |           |                            |
| A5 Cab   |           |           |                            |

## Condition

| REVISION HISTORY |          |                                     |
|------------------|----------|-------------------------------------|
| Revision         | Date     | Purpose                             |
| 2                | -        | 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.

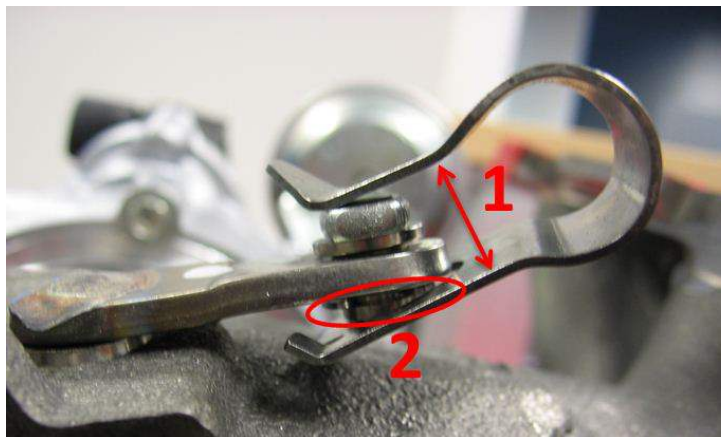


**Figure 3.** (1) Maximum opening of clip, (2) Position of original circlip

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.

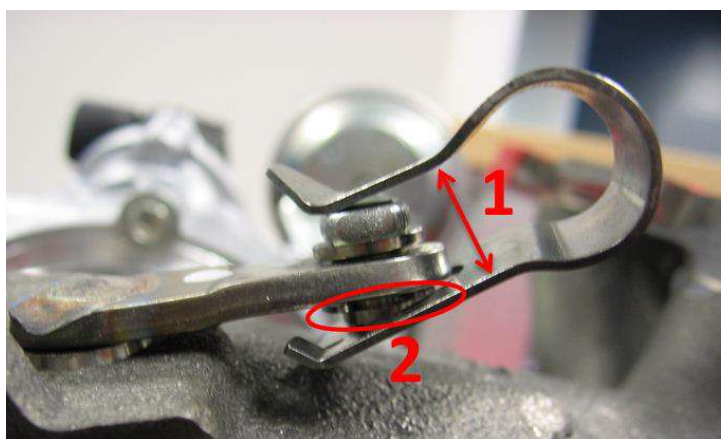


**Figure 5.** (1) Maximum opening of clip, (2) Position of original circlip

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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

|                          |                                                                                                                              |           |                                                |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------|
| <b>Claim Type:</b>       | Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.        |           |                                                |
| <b>Service Number:</b>   | 2130                                                                                                                         |           |                                                |
| <b>Damage Code:</b>      | 0018                                                                                                                         |           |                                                |
| <b>Labor Operations:</b> | Turbocharger remove + reinstall                                                                                              | 2130 1913 | 370 TU                                         |
|                          | Turbocharger replace                                                                                                         | 2130 5563 | 30 TU                                          |
|                          | Install clip on turbocharger                                                                                                 | 2130 2199 | 10 TU                                          |
| <b>Diagnostic Time:</b>  | 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<br>(Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details) |           |                                                |
| <b>Claim Comment:</b>    | 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.