

# Technical Bulletin



Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
All	2008-2010	2.0L (CBFA, CCTA)	All	All	All

## Condition

21 10 01 August 25, 2010 2024061

### Rattling Noises from Engine Compartment Area or Exhaust System

Customers may complain of a rattling noise from engine or exhaust area while accelerating from 1800-3000 RPM.

In order to complete proper diagnosis and ensure that the noise is coming from the turbocharger, use the following procedure:

1. Ensure that there is no physical internal or external damage to the turbocharger. If damage is observed, continue diagnosis and repair as necessary. If no damage is observed, proceed to step 2.
2. Test drive the vehicle to duplicate and familiarize yourself with the noise. Noise can typically be duplicated by driving up a moderate incline, beginning at 35 mph in 4<sup>th</sup> gear (manual or automatic transmission) and accelerating through the RPM range of 1800-3000 RPM under moderate to heavy throttle. Obey all local traffic laws.
3. Once you have confirmed and familiarized yourself with the noise, attach a 2 ounce wheel weight to the wastegate actuator rod (figure 1) and take the vehicle for another test drive.

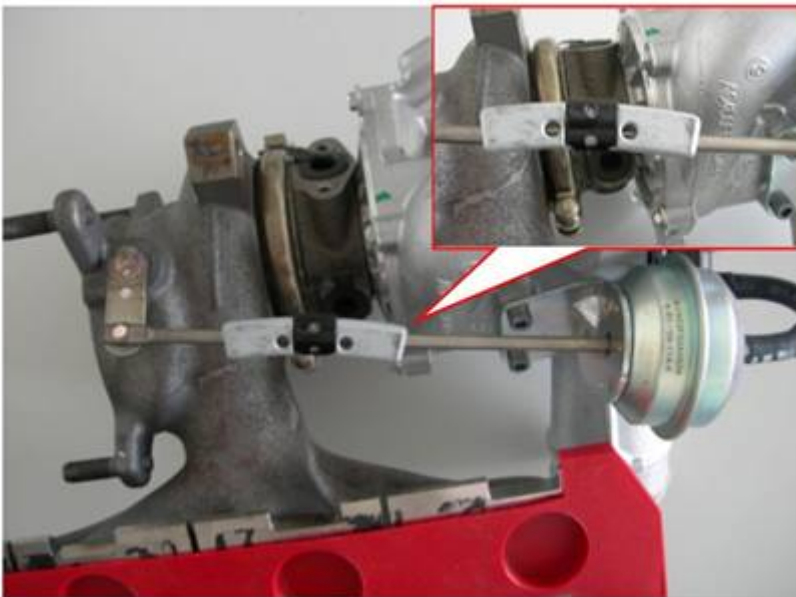


Figure 1

# Technical Bulletin



If after attaching the weight to the actuator rod the noise is quieter or has changed in pitch, **DO NOT** replace the turbocharger. Remove the weight, create a VTA ticket in ElsaWeb and contact the Volkswagen Technical Helpline at 800-678-2389.

If after attaching the weight to the actuator rod the noise has not changed, remove the weight and continue diagnosis and repair as necessary.



## Note:

**Use caution when diagnosing the origin of the noise. Although the noise may be originating from the turbocharger, it can be amplified through resonance to the catalytic converter and be misdiagnosed as a loud converter.**

## Technical Background

Because of exhaust gas pulsations the wastegate flap and actuator rod vibrate at the introduction of boost pressure.

## Production Solution

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## Service

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## Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual <sup>1)</sup>					
Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
All	2008-2010	2.0L (CBFA, CCTA)	All	All	All
Claim Type:			Use applicable Claim Type <sup>1)</sup>		
SAGA Coding					
Service Number:	Damage Code	HST:	Damage Location (Depends on Service No.)	Parts Manufacturer (removed part)	
2158	0020	-	Use applicable when indicated in ElsaWeb (L/R)	W W O <sup>2)</sup>	

# Technical Bulletin



Labor Operation <sup>3)</sup> : Turbocharger noise diagnosis	21580399 = 40 TU max A-time	
Diagnostic Time <sup>4)</sup>		
Labor Operation <sup>3)</sup> :GFF Time expenditure	01500000 = XX TU max.	NO
Road Test	01210002 & 01210004	NO
Technical Diagnosis	0132xxxx = XX TU max.	NO
Claim Comment: Input "As per Technical Bulletin 2024061" in comment section of Warranty Claim.		
1) Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only		
2) Code per warranty vendor code policy.		
3) Labor Time Units (TUs) are subject to change with Elsa updates.		
4) Documentation required per Warranty Policy & Procedures Manual.		

## Required Parts and Tools

No Special Parts required.

No Special Tools required.

## Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.