

Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
All (Except Routan)	2014-2015	All	All	All	All

Condition

46 15 02 March 19, 2015 **2010245** Supersedes T. B. V461405 dated July 3, 2014 to remove 2013 model year applicability and update model labor operations in warranty table.

Vibration or Noise When Braking (U.S. Only)

Technical Background

Vibration or noise when braking may be due to brake disc corrosion protection which has not been completely removed by normal braking or surface rust built up during transportation.



This Technical Bulletin only applies once at **PDI.** Please note that vehicles in dealer inventory should be maintained per the recommended 30 days maintenance procedure to prevent excessive rust build up.

Production Solution

No production change required.

Dos Auto

Technical Bulletin

Service

Vehicle Inspection



Abide by ALL traffic laws and be mindful of the vehicles around you while operating the vehicle.

- · Check and adjust tire pressure.
- Accelerate vehicle to greater than 55 MPH (80 km/h).
- Apply brake firmly.



Vehicles requiring front, rear, or both disc cleaning will exhibit vibration and/or noise.

∆WARNING

For vehicles equipped with Electronic Parking Brake (EPB), DO NOT APPLY PARKING BRAKE WHILE VEHICLE IS IN MOTION.

Affected rear discs will have uneven color across the friction surface.

On vehicles with EPB, this will determine if rear discs need to be sanded.

The following steps apply to vehicles without Electronic Parking Brake (EPB):

- Accelerate vehicle to 30 MPH (50 km/h).
- Carefully apply parking brake.

If vibration or noise IS observed:

Clean the front brake discs, the rear brake discs, or both the front and rear brake discs depending on the location of the observed vibration/noise.

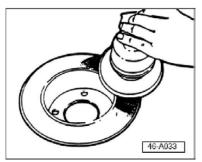
Disassembly Inspection

- Remove wheels, disassemble brake calipers, and remove brake disc. See the appropriate Repair Manual for the vehicle you are servicing.
- Paint mark brake discs for reinstallation (Left/Right).
- Paint mark brake pads for reinstallation (Left/Right, Inner/Outer).
- Inspect all brake components for damage from outside influences.
- Using a micrometer, measure brake disc thickness. See appropriate Repair Manual in Elsa for minimum brake disc thickness.

Dos Auto

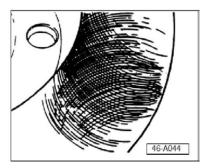
Technical Bulletin

Brake Disc Surface Cleaning



Remove remaining corrosion protection coating or surface rust as follows:

 Sand brake disc surfaces until clean metal is visible using leading edge of 40grit sanding disc in a clockwise direction (1-2 minute per surface).



Replace sanding disc prior to moving to next brake disc surface.

To achieve a crosshatch pattern:

 Repeat sanding process using trailing edge of 80-grit sanding disc in a clockwise direction.

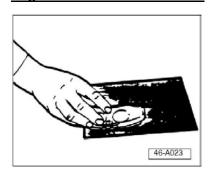
Replace sanding disc prior to moving to next brake disc surface.

Clean all brake disc friction surfaces using soap and water solution.



Brake discs must be free of dust and particles left behind due to the sanding process.

Deglaze and Clean Brake Pads



- Place 80-grit sand paper on flat hard surface.
- Carefully sand brake pads until the surface glazing is removed.



Use one new 80 grit sand paper sheet per set of brake pads.



See appropriate Repair Manual in Elsa for new brake pad thickness dimensions.

Dos Auto

Technical Bulletin

Reassembly

- Install brake discs, brake pads, brake calipers, and wheels. See appropriate Repair Manual in Elsa for vehicle you are servicing.
- Road test vehicle to confirm vibration or noise concern is corrected.

Warranty

To determine if the Procedures Manu		dure is co	overed under Warr	anty, always refer	to the Wa	arranty Po	olicies and
Model(s)	Year(s)		Eng. Code(s)	Trans. Code(s)	VIN Ran	ge From	VIN Range To
All (Except Routan)	2014-2015		All	All	A	.II	All
			SAGA	Coding			
Claim Type:		Use app	licable Claim Type	e ¹⁾			
Service Number D		Da	ımage Code			age Location s on Service No.)	
4650			0020				oplicable when ted in ElsaWeb (L/R)
Parts Manufacturer		r	2014 Golf, 2015 I	Tiguan, Touareg, E-Golf, 2015 Golf R		ww	O ²⁾
		Beetle, Beetle C	ta Sportwagen, convertible, 2015 3ME ²⁾ If Sportwagen		E ²⁾		
CC, Tiguan, and Eos							
			Front Brake	Service Only			
Labor Operation 3): Remove and Reinstall Front Wheels		44052000 = 30 TU					
Labor Operation 3): Remove and Reinstall Front Brake Carriers				46142050	0 = 90 TU		



Labor Operation 3): Remove and Reinstall Front Discs	46502050 = 10 TU		
Labor Operation 3): Sanding Front Discs and Pads	46503099 = 35 TU		
C	PR .		
Rear Brake	Service Only		
Labor Operation 3): Remove and Reinstall Rear Wheels	44052000 = 30 TU		
Labor Operation 3): Remove and Reinstall Rear Brake Carriers	46152050 = 90 TU		
Labor Operation 3): Remove and Reinstall Rear Discs	46532050 = 10 TU		
Labor Operation 3): Sanding Rear Discs and Pads	46503099 = 35 TU		
C	PR		
Front and Rea	r Brake Service		
Labor Operation 3): Remove and Reinstall Front and Rear Wheels	44052004 = 50 TU		
	46142050 = 90 TU		
Labor Operation 3): Remove and Reinstall Front and Rear Carriers	and		
	46152050 = 90 TU		
	46502050 = 10 TU		
Labor Operation 3): Remove and Reinstall Front and Rear Discs	and		
	46532050 = 10 TU		
Labor Operation 3): Sanding Front and Rear Discs and Pads	46503099 = 50 TU		
OR			
Touareg			
Front Brake Service Only			
Labor Operation 3): Remove and Reinstall Front	44052000 = 30 TU		



Wheels				
Labor Operation 3): Remove and Reinstall Front Discs	46502050 = 70 TU			
Labor Operation 3): Sanding Front Discs and Pads	46503099 = 35 TU			
0	R			
Rear Brake S	Service Only			
Labor Operation 3): Remove and Reinstall Rear Wheels	44052000 = 30 TU			
Labor Operation 3): Remove and Reinstall Rear Discs	46532050 = 90 TU			
Labor Operation 3): Sanding Rear Discs and Pads	46503099 = 35 TU			
0	R			
Front and Rear	Brake Service			
Labor Operation 3): Remove and Reinstall Front and Rear Wheels	44052004 = 50 TU			
Labor Operation 3): Remove and Reinstall Front and Rear Discs	46502050 = 70 TU and 46532050 = 90 TU			
Labor Operation 3): Sanding Front and Rear Discs and Pads	46503099 = 50 TU			
OR				
2015 F	Passat			
Front Brake Service Only				
Labor Operation 3): Remove and Reinstall Front Wheels 44052000 = 30 TU				
Labor Operation 3): Remove and Reinstall Front Brake Carriers	46142050 = 80 TU			
Labor Operation 3): Remove and Reinstall Front	46502050 = 10 TU			



Discs				
Labor Operation 3): Sanding Front Discs and Pads	46503099 = 35 TU			
OR				
Rear Brake	Service Only			
Labor Operation 3): Remove and Reinstall Rear Wheels	44052000 = 30 TU			
Labor Operation 3): Remove and Reinstall Rear Brake Carriers	46152050 = 80 TU			
Labor Operation 3): Remove and Reinstall Rear Discs	46532050 = 10 TU			
Labor Operation 3): Sanding Rear Discs and Pads	46503099 = 35 TU			
C	PR			
Front and Rea	r Brake Service			
Labor Operation 3): Remove and Reinstall Front and Rear Wheels 44052004 = 50 TU				
Labor Operation 3): Remove and Reinstall Front and Rear Brake Carriers	46142050 = 80 TU and 46152050 = 80 TU			
Labor Operation 3): Remove and Reinstall Front and Rear Discs	46502050 = 10 TU and 46532050 = 10 TU			
Labor Operation 3): Sanding Front and Rear Discs and Pads	46503099 = 50 TU			
OR				
2014 Passat, Beetle, Beetle Convertible, Jetta, 2014 Jetta Sportwagen				
Front Brake Service Only				
Labor Operation 3): Remove and Reinstall Front Wheels 44052000 = 30 TU				



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Labor Operation 3): Remove and Reinstall Front Discs	46502050 = 70 TU		
Labor Operation 3): Sanding Front Discs and Pads	46503099 = 35 TU		
0	R		
Rear Brake	Service Only		
Labor Operation 3): Remove and Reinstall Rear Wheels	44052000 = 30 TU		
Labor Operation 3): Remove and Reinstall Rear Discs	46532050 = 70 TU		
Labor Operation 3): Sanding Rear Discs and Pads	46503099 = 35 TU		
0	PR .		
Front and Rear	r Brake Service		
Labor Operation 3): Remove and Reinstall Front and Rear Wheels	44052004 = 50 TU		
Labor Operation 3): Remove and Reinstall Front and Rear Discs	46502050 = 70 TU and 46532050 = 70 TU		
Labor Operation 3): Sanding Front and Rear Discs and Pads	46503099 = 50 TU		
OR			
2015 Golf Sportwagen			
Front Brake Service Only			
Labor Operation 3): Remove and Reinstall Front Wheels	44052000 = 30 TU		
Labor Operation 3): Remove and Reinstall Front Brake Carriers	46142050 = 80 TU		
Labor Operation 3): Remove and Reinstall Front Brake Discs	46502050 = 10 TU		



Labor Operation 3): Sanding Front Discs and Pads	46503099 = 35 TU			
OR				
Rear Brake S	Service Only			
Labor Operation 3): Remove and Reinstall Rear Wheels	44052000 = 30 TU			
Labor Operation 3): Remove and Reinstall Rear Discs	46532050 = 90 TU			
Labor Operation 3): Sanding Rear Discs and Pads	46503099 = 35 TU			
0	R			
Front and Rear	Brake Service			
Labor Operation 3): Remove and Reinstall Front and Rear Wheels	44052004 = 50 TU			
Labor Operation 3): Remove and Reinstall Front Carriers	46142050 = 80 TU			
Labor Operation 3): Remove and Reinstall Front and Rear Discs	46502050 = 10 TU and 46532050 = 90 TU			
Labor Operation 3): Sanding Front and Rear Discs and Pads	46503099 = 50 TU			
0	R			
2015 Golf				
Front Brake Service Only				
Labor Operation 3): Remove and Reinstall Front Wheels	44052000 = 30 TU			
Labor Operation 3): Remove and Reinstall Front Brake Carriers	46142050 = 80 TU			
Labor Operation 3): Remove and Reinstall Front Brake Discs	46502050 = 10 TU			



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Rear Brake S	Service Only		
Labor Operation 3): Remove and Reinstall Rear Wheels	44052000 = 30 TU		
Labor Operation 3): Remove and Reinstall Rear Discs	46532050 = 90 TU		
Labor Operation 3): Sanding Rear Discs and Pads	46503099 = 35 TU		
0	R		
Front and Rear	Brake Service		
Labor Operation 3): Remove and Reinstall Front and Rear Wheels	44052004 = 50 TU		
Labor Operation 3): Remove and Reinstall Front Carriers	46142050 = 80 TU		
Labor Operation 3): Remove and Reinstall Front and Rear Discs	46502050 = 10 TU and 46532050 = 90 TU		
Labor Operation 3): Sanding Front and Rear Discs and Pads	46503099 = 50 TU		
0	R		
2014 Golf			
Front Brake Service Only			
Labor Operation 3): Remove and Reinstall Front Wheels	44052000 = 30 TU		
Labor Operation 3): Remove and Reinstall Front Brake Carriers	46142050 = 80 TU		
Labor Operation 3): Remove and Reinstall Front Brake Discs	46502050 = 10 TU		



Labor Operation 3): Sanding Front Discs and Pads	46503099 = 35 TU				
OR					
Rear Brake S	Service Only				
Labor Operation 3): Remove and Reinstall Rear Wheels 44052000 = 30 TU					
Labor Operation 3): Remove and Reinstall Rear Brake Carriers	46152050 = 80 TU				
Labor Operation 3): Remove and Reinstall Rear Discs	46532050 = 10 TU				
Labor Operation 3): Sanding Rear Discs and Pads	46503099 = 35 TU				
0	R				
Front and Rear	Brake Service				
Labor Operation 3): Remove and Reinstall Front and Rear Wheels	44052004 = 50 TU				
Labor Operation 3): Remove and Reinstall Front and Rear Brake Carriers	46142050 = 80 TU and 46152050 = 80 TU				
Labor Operation 3): Remove and Reinstall Front and Rear Discs	46502050 = 10 TU and 46532050 = 10 TU				
Labor Operation 3): Sanding Front and Rear Discs and Pads	46503099 = 50 TU				
OR					
2015 E-Golf, 2015 Golf R					
Front Brake Service Only					
Labor Operation 3): Remove and Reinstall Front Wheels	44052000 = 30 TU				
Labor Operation 3): Remove and Reinstall Front 46142050 = 80 TU					



Brake Carriers				
Diane values				
Labor Operation 3): Remove and Reinstall Front Brake Discs	46502050 = 10 TU			
Labor Operation 3): Sanding Front Discs and Pads	46503099 = 35 TU			
0	R			
Rear Brake S	Service Only			
Labor Operation 3): Remove and Reinstall Rear Wheels	44052000 = 30 TU			
Labor Operation 3): Remove and Reinstall Rear Brake Carriers	46152050 = 80 TU			
Labor Operation 3): Remove and Reinstall Rear Discs	46532050 = 10 TU			
Labor Operation 3): Sanding Rear Discs and Pads	46503099 = 35 TU			
OR				
Front and Rear	Brake Service			
Labor Operation 3): Remove and Reinstall Front and Rear Wheels				
Labor Operation 3): Remove and Reinstall Front and Rear Brake Carriers	46142050 = 80 TU and 46152050 = 80 TU			
Labor Operation 3): Remove and Reinstall Front and Rear Discs	46502050 = 10 TU and 46532050 = 10 TU			
Labor Operation 3): Sanding Front and Rear Discs and Pads 46503099 = 50 TU				
Causal Part: Select 46503099				
Outside Material				
1 Axle Serviced				



40-grit, 6-inch sanding disc	Part No: PN01117 or equivalent	
And	and	\$10.00
80-grit, 6-inch sanding disc	Part No: PN01116 or equivalent	
	OR	
	2 Axles Serviced	
40-grit, 6-inch sanding disc	Part No: PN01117 or equivalent	
And	and	\$20.00
80-grit, 6-inch sanding disc	Part No: PN01116 or equivalent	
	Diagnostic Time 4)	
GFF Time expenditure	01500000 = 00 TU max.	NO
Road Test	01210002 = 10 TU	
	01210004 = 10 TU	YES
Technical Diagnosis	01320000 = 00 TU max.	NO

Claim Comment: Input "As per Technical Bulletin 2010245" 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 Policies and Procedures Manual.



Required Parts and Tools

No Special Parts required.

Tool Description	Tool No:	Quantity
6-inch Dual Action sander (Blue Point®)	AT441A or equivalent	-
40-grit, 6-inch sanding disc (3M®)	PN01117 or equivalent	4 (One Axle Serviced) or 8 (Two Axles Serviced)
80-grit, 6-inch sanding disc (3M®)	PN01116 or equivalent	4 (One Axle Serviced) or 8 (Two Axles Serviced)
80-grit sand paper	Obtain from local supplier	4 Sheets
Micrometer (7mm-22mm)	-	-
Metric Scale (0mm-20mm)	-	-

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.