



Technical Bulletin

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
All	2013-2017	2.0T CPLA, CPPA	All	All	All
All	2014-2017	1.8T CPRA, CPKA	All	All	All
All	2015	2.0T CNTA	All	All	All
All	2015	1.8T CNSA, CNSB	All	All	All
All	2015-2017	1.8T CXBA, CXBB	All	All	All
All	2015-2017	2.0T CXCA, CXCB	All	All	All
All	2008-2017	2.0T CCTA, CBFA	All	All	All
All	2018	2.0T CCTA	All	All	All

Condition

13 17 03 September 13, 2017 2044350 Supersedes Technical bulletin 13-17-02 (V131601) dated July 13, 2017 to include additional model year applicability and tool information.

Sealing Flange Installation



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Technical Background

Incorrect orientation of the sealing lip during sealing flange replacement may lead to an oil leak and a repeat repair. The following information is provided to help ensure the sealing lip is orientated in the correct position before installing the sealing flange on the crankshaft.



Note:

These instructions are sampled from ELSA and only apply to “Oil Side Sealing Lip”. For complete details, see ELSA.

Following these instructions will ensure that the sealing flange is not damaged and will not leak after installation.

Always refer to Elsa for required mandatory replacement parts during the repair.

- Obtain Guide Piece to Crankshaft Seal Install Kit – Guide Piece T10122/1 and Crank Shaft Seal Installer – Guide Piece T10122/6A (Figures 1 and 2).



Figure 1. Guide Piece T10122/1



Figure 2. Guide Piece T10122/6A



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Assemble Tool Guide Piece T10122/1 and Guide Piece T10122/6A (Figure 3).



Figure 3

Production Solution

Information only.

Service

- Apply a 2 to 3 mm bead of silicone sealant to the engine side of the sealing flange (Figure 4).



Note:

To ensure seal does not leak, the surface must be properly cleaned before adding the silicone sealant.

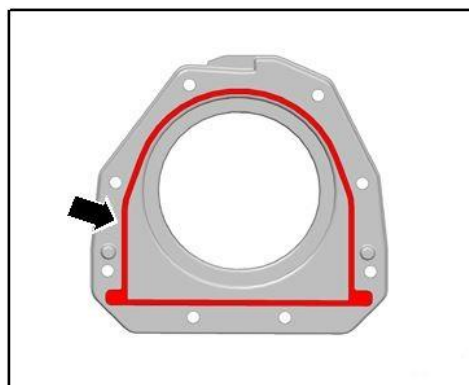


Figure 4



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- Install the sealing flange onto the assembled tools (Figures 5 and 6).

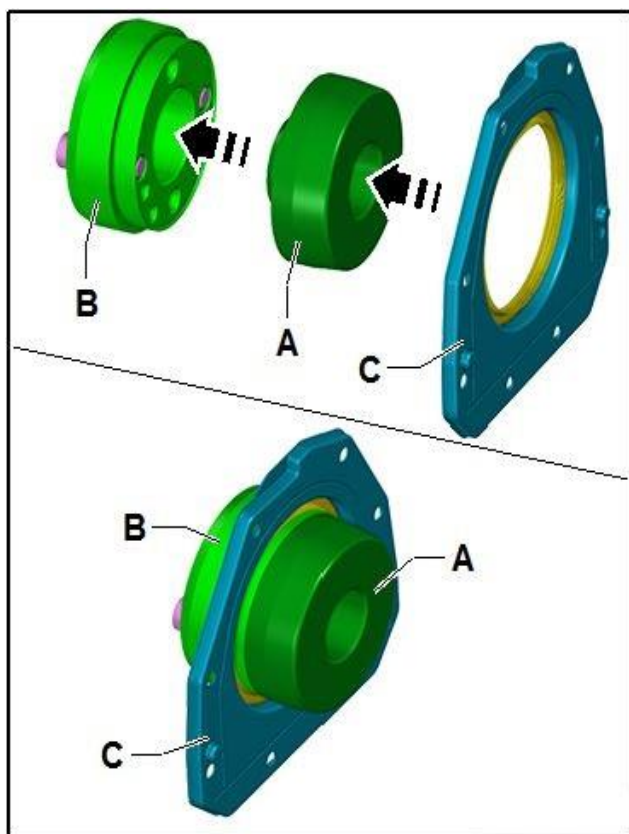


Figure 5



Figure 6



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- After installing sealing flange onto tool, remove T10122/1 from T10122/6A as seen in Figure 7.



Figure 7

- Insert the -T10122/6A with the sealing flange on the crankshaft journal (Figure 8).
- Tighten the sealing flange bolts as directed in the table below.
- Refer to Figures 9 and 10 for bolt tightening sequence (Figure 9. and 10).

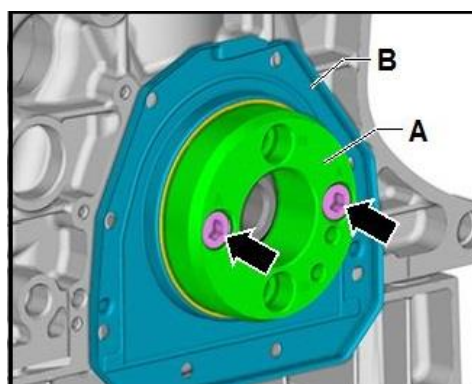


Figure 8



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Step	Bolts	Tightening Specification/Additional Turn
1.	CCTA/CBFA 1 to 8 All other 1.8T/2.0T 1 to 6	Install by hand all the way
2.	CCTA/CBFA 1 to 8 All other 1.8T/2.0T 1 to 6	9 Nm

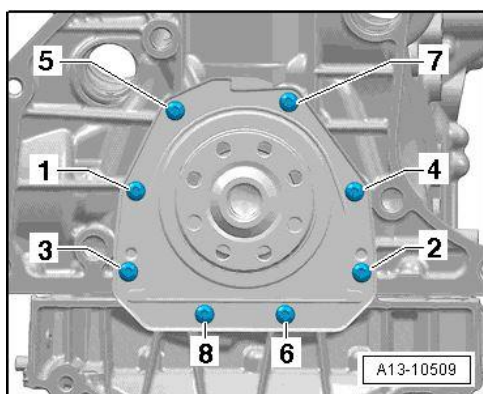


Figure 9. CCTA/CBFA bolt torque sequence

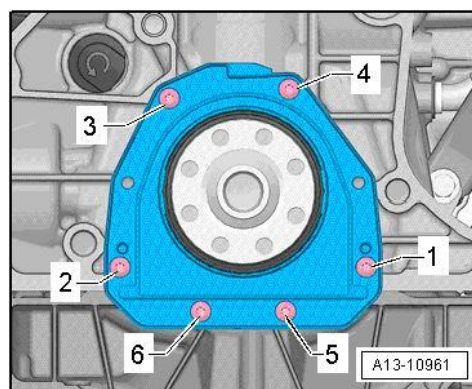


Figure 10. All other 1.8T/2.0T bolt torque sequence

Warranty

Information only.

Required Parts and Tools

No Special Parts required.

Tool Description	Tool No:
Guide Piece to Crankshaft Seal Install Kit – Guide Piece	T10122/1
Crank Shaft Seal Installer – Guide Piece	T10122/6A



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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.

Document Control Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2044350/3	9/13/17	V131703	Update to include model year 2018 applicability and new tools.
2044350/2	7/13/17	V131702	Updated to include model year 2017 applicability and additional engine codes.
2044350/1	6/31/16	V131601	Original publication.