

## The 2.0L 4V TFSI Engine with AVS

Self-Study Program 922903

Audi of America, LLC  
Service Training  
Printed in U.S.A.  
Printed 7/2009  
Course Number 922903

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Always check Technical Bulletins and the Audi Worldwide Repair Information System for information that may supersede any information included in this booklet.

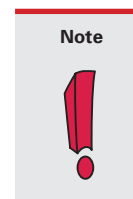
# Table of Contents

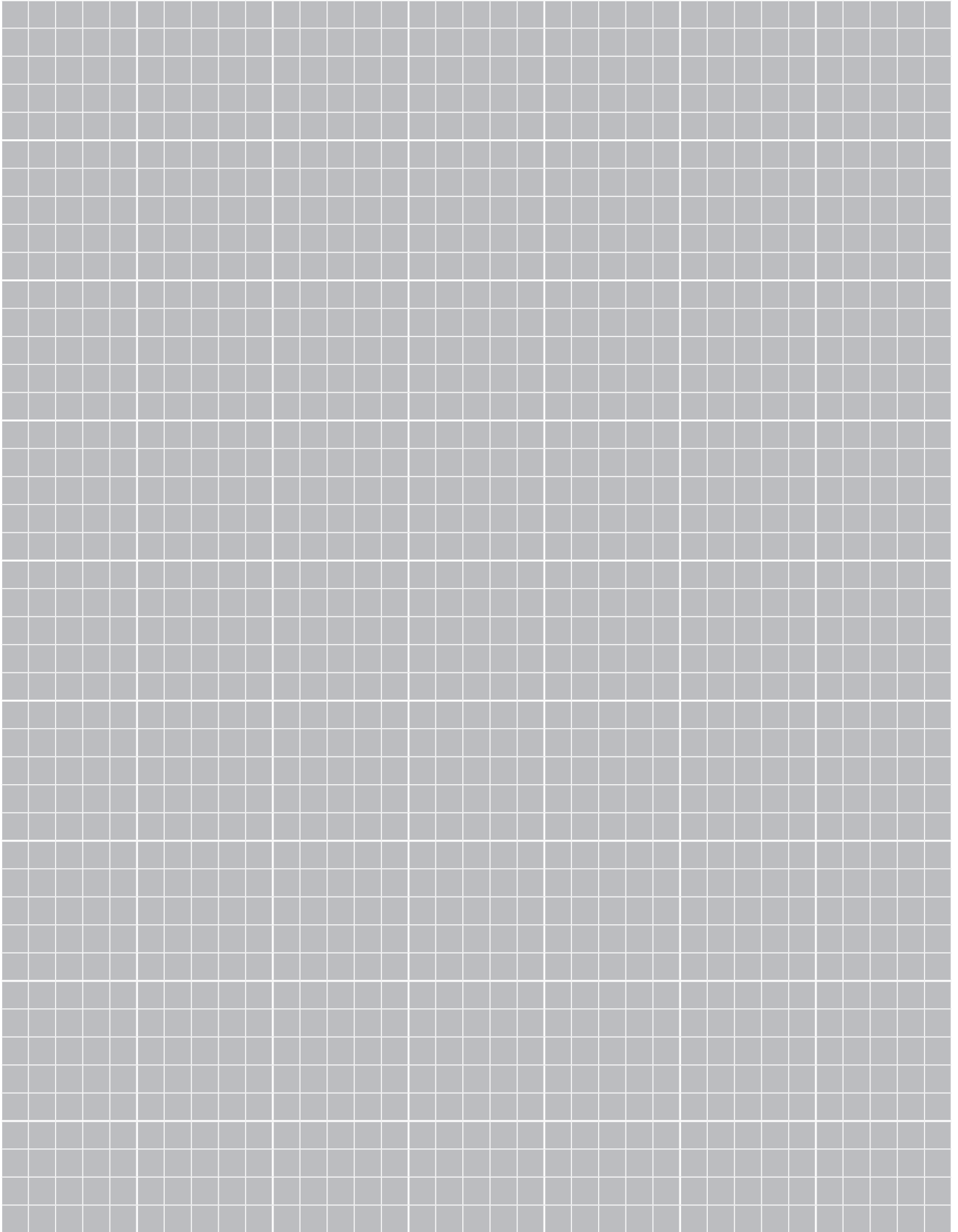
Introduction . . . . .	1
Engine Mechanicals . . . . .	4
Oil Circulation System . . . . .	14
SULEV 2.0L TFSI Engine . . . . .	26
Service . . . . .	45
EA 888 Engine Development . . . . .	46
Knowledge Assessment . . . . .	51

The Self-Study Program provides introductory information regarding the design and function of new models, automotive components or technologies.

**The Self-Study Program is not a Repair Manual!**  
**All values given are intended as a guideline only and refer to the software version valid at the time of publication of the SSP.**

For maintenance and repair work, always refer to the current technical literature.





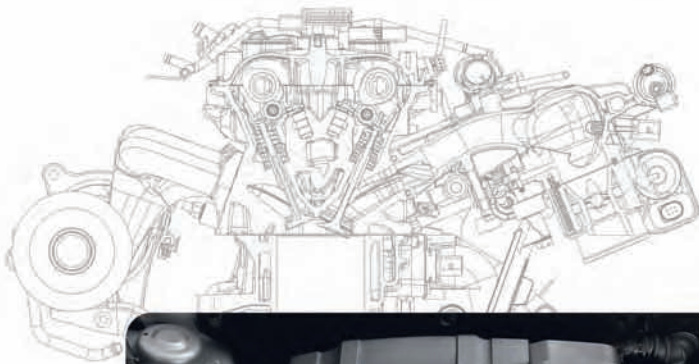
The turbocharged 2.0L 4V chain-driven AVS engine (CAEB) described in this Self-Study Program is a development of the 1.8L chain-driven engine (EA 888 family) introduced in Europe in 2006. The 1.8L engine, known as the Stage 0 engine, was the basis for the chain-driven 2.0L 4 cylinder engine (CCTA/CBFA) introduced in North America during the 2008 model year.

This EA 888 family of engines is replacing the belt-driven camshaft engines within the Volkswagen Group world wide.

The 2.0L 4V chain-driven AVS engine is a further development of the earlier CCTA/CBFA engine. The cylinder block, crankshaft assembly and pistons of the CCTA/CFBA engine are similar to those of the CAEB engine. However, major changes to the cylinder head and the addition of the Audi Valve Lift System (AVS) to the exhaust camshaft of the CAEB distinguishes this engine from the CCTA/CBFA engines.

Also included in this Self-Study Program is a description of changes needed to make a non-AVS 2.0L 4V chain-driven engine compliant with SULEV emission standards.

To see a brief description of the development history and a specification comparison of the EA 888 engines, please see the Appendix at the end of this book.



# TFSI

