



Technical Tip

Topic	01-18-14TT – Fuel Trim Lean Faults Resulting from Unmetered Air
Market area	United States 444 Volkswagen of America, Inc. (6444)
Brand	Volkswagen
Date	November 9, 2018

Condition

ATTENTION:

**THIS IS A TECH TIP, NOT A TECHNICAL BULLETIN.
TECH TIPS ARE NOT ASSOCIATED WITH WARRANTY CLAIMING.**

Fuel Trim Lean Faults Resulting from Unmetered Air

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Jetta, Passat, Golf, Beetle, Beetle Convertible	2013-2018	2.0L CPPA, CPLA, CPRA, CPKA, CXBA, CXBB, CXCA, CXCB	All	All	All

Technical Background

Lean operating conditions/fuel trims.

In cases where the fuel trims demonstrate a lean operating condition and no issues have been found with fuel delivery/quality, sensor operation, vacuum leaks or camshaft timing, there may be excessive crankcase vacuum with corresponding low intake vacuum.

Service

- Remove the Map sensor and attach a vacuum gauge to monitor intake vacuum.

Engine should have 18-20" of vacuum at idle (@ sea level).

If intake vacuum is too low:

- Remove valve cover to inspect for missing sealing (freeze plug) plugs in cylinder head.

If missing:

- Replace sealing plugs.

Reference ETKA for the necessary part(s). Please see the figures below.

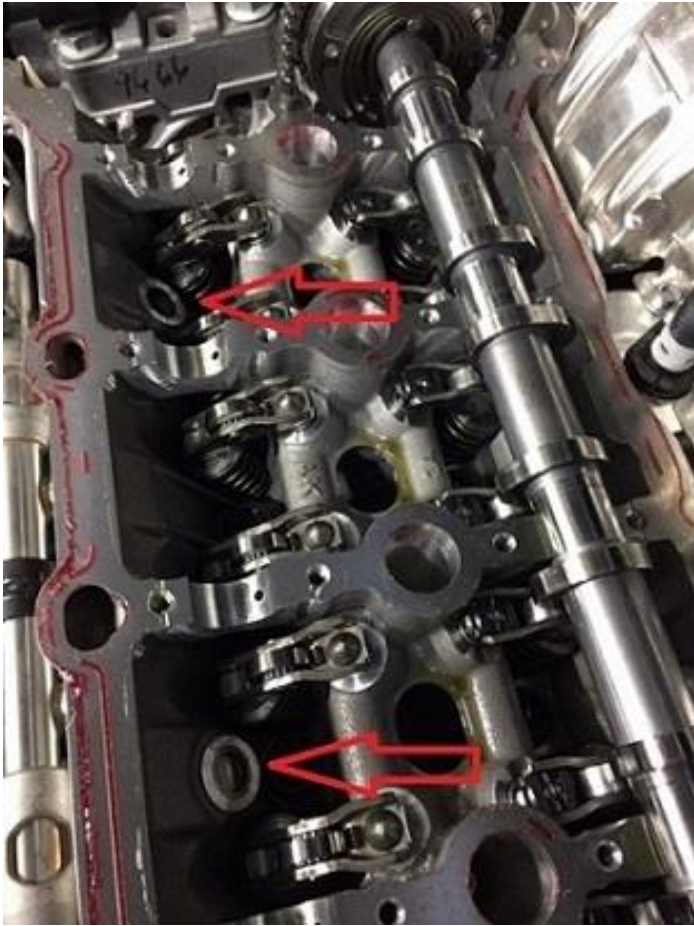


Figure 1



Figure 2



Additional Information

Revision History		
Revision Number	Released Date	Reason For Update
2052930/1	11/9/18	Original publication.

© 2018 Volkswagen Group of America, Inc. All rights reserved. Information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Volkswagen Group of America, Inc., its affiliated companies and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.