



Tech Article

TA0011: 2017 Touring and Trike Top End Ticking

Reference	TA0011
Last Modified	2016-09-15
Models	2017: FLHP, FLHR, FLHTCU, FLHTCUTG, FLHTK, FLHTK SHRINE, FLHTKL, FLHTKSE, FLHTP, FLHX, FLHXS, FLHXSE, FLRT, FLTRU, FLTRX, FLTRXS
Category	Engine
MARKETS	All markets are affected.
VEHICLES AFFECTED	All 2017 Touring, Trike, Police and Touring CVO vehicles equipped with Milwaukee-Eight™ 107 or Twin-Cooled™ Milwaukee-Eight™ 107 and 114 powertrains.
SYMPTOMS	We have been made aware of an upper end ticking sound with Milwaukee-Eight™ equipped vehicles. We are working to resolve these concerns with manufacturing and design.

CAUSE

A suspected mechanical top end tick has frequently been diagnosed as electrical arching (spark) caused by spark plug cable boot that is not fully engaged with the spark plug terminal. The leak from a loose ACR or an intake leak can cause a similar sound.

ACTION

- Verify that all four spark plug cables are completely installed on spark plugs. Cables can appear seated but only make intermittent contact leading to the sound of ticking as the spark plug arcs from the wire to the plug.
- If spark plug cables are not the cause, check that both ACRs are tightened to specification. See the service manual.
- Check for intake manifold leak. See the service manual.