

Measure no.

US 54380454-08

Subject

Rattling Noise from Timing Gear

Status date (mm/dd/yy)

10/24/18

Status

Accepted

Organization

US, MOT

Date created (mm/dd/yy)

10/24/18

Created by

Annett Salzmänn

PQM Problem reference**Release date (mm/dd/yy)****Approved by****Dealer release**

Allow automatic release

Vehicles affected**E series**

K42 K46 K46/11 K46/12 K46/13

Engine

K47 K47/11 K49

Body**Production period (from/to)**

(mm/dd/yy)

Comment on production period**Feedback (all cases relating to****measure up to) (mm/dd/yy)**

/

Complaint

Rattling / chattering engine noise from the timing gear.

Cause

After approximately 9,000 mi, the timing chain (7 713 828) may wear to the point that the chain tensioners range of adjustment is no longer sufficient to accommodate the change in length.

Measure

Changes made from previous versions:

-02 = VFC coding and K47 added

-03 = K46/11 added and mileage corrected to 9,000 miles form 12,000 miles.

-04 = K49 added along with random grammatical errors fixed.

-05 = Note added in measure if noise did not change after installing the silver plug.

-06 = 4-ZYL was removed from affected vehicle section.

-07 = K46/13 and K47/11 added.

-08 = Defect code added in the measure section.

In the event of a verified customer complaint;
 remove the black screw plug (11 31 7 718 69) and replace it with a silver screw plug
 (11 31 8 534 849).

See attached photos.

Note: The silver screw plug has a longer range of adjustment for the chain tensioner
 and installing it in conjunction with a new timing chain or one that does not exhibit signs
 of wear is not permitted.

Attention: If the noise does not change after the installation of the Silver screw plug.
 The original black screw plug must then be reinstalled. The actual cause of the noise
 must be determined

Use the following defect code only for invoices concerning this issue:

11 31 03 39 Timing chain causing noises

Complaint

	Fault location	Fault type	Fault place
▶	Engine running	Rattling noise / tapping noise / knocking noise (disturbing noise).	Right

Cause

#	Fault location	Fault type	Fault place
▶ 1	11/31 Timing chain	Too long / too large / too wide	
	Repair Task	Special Clearance	Area
	Checking, repairing, replacing	No	Powertrain

#	Fault location	Fault type	Fault place
▶ 2	11/31 Camshaft chain tensioner	Operating force too low	
	Repair Task	Special Clearance	Area

Checking, repairing,
replacing

No

Powertrain

Fault code

Progman / DIS / ISTA / ISTA/P

System

State

Version

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