

Squeaking noise from linkage of exhaust gas turbocharger actuator motor

Topic number	LI09.40-P-071568
Version	1
Function group	09.40 Turbocharger
Date	08-03-2020
Validity	All with M139.980
Reason for change	
Reason for block	

Complaint:

Linkage on electronic actuator motor of the turbocharger squeaks when operating, as in the video in the attachment.
Audible when changing drive range or accelerating from standstill.

Attachments	
File	Description
IMG_1591.MOV	Example video

Cause:

Both pivot points of the boost pressure actuator motor have insufficient coating.

Remedy:

Replace actuator motor (coated linkage), see note regarding component.

Note: The linkage does not need to be adjusted as this is an electronic actuator with a self-learning function.

Symptoms
Power generation / Engine noise / Noise

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 139 906 06 00			ACTUATOR MOTOR	1	Use current part as per the parts catalog. Group 09/ callout 15.	X

WIS-References			
Document number	Title	Note	Allocation
AR09.50-P-8845MFG	Remove/install boost pressure control flap actuator		Remedy

XENTRY TIPS

Validity		
Vehicle	Engine	Transmission
*	139.980	*