


OM654 Fuel Injector Hold-Down Failure

Topic number	LI07.16-N-080731
Version	1
Function group	07.16 - Diesel injection system common rail
Date	6/18/26
Validity	OM654 Sprinter 907
Reason for change	

Complaint

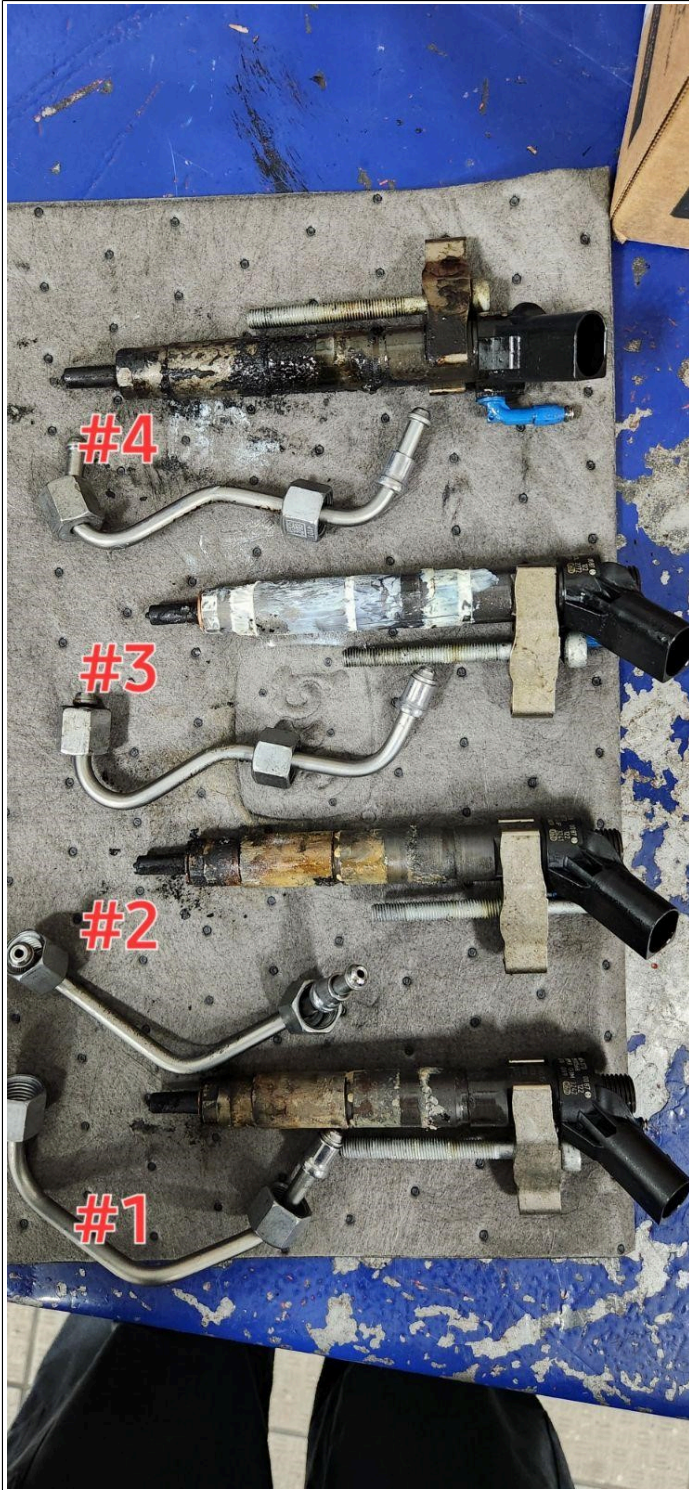
The customer reports an exhaust odor from the engine compartment, potentially accompanied by a check engine light and/or engine misfire.

Attachments	
File	Description
broken+hold+down+2.jpg	Failed injector hold down
	
broken+hold+down+1.jpg	Failed injector hold down



Injector #4 Leaking.jpg

Leaking No. 4 due to failed hold down



Cause

The injector hold-down may fracture due to material-related factors, allowing the injector to lift from its seat and resulting in combustion gas leakage past the sealing interface.

Remedy

XENTRY Tips

Carry out repair measures in accordance with the extent of damage determined during inspection. Replace only those components identified as faulty or compromised by the failure, including the fuel injector, sealing ring, injector hold-down, hold-down bolt, high-pressure fuel line(s), and, if required, the fuel distributor (rail).

All work involving fuel injector removal and installation must be carried out in accordance with WIS document AR07.16-D-1020TSM. Particular attention must be given to the proper preparation of the injector bore and sealing interface. All carbon deposits, combustion residue, and surface contamination must be fully removed to ensure correct injector seating and sealing integrity, thereby preventing combustion gas blow-by and repeat failure.

WIS-References		
Document number	Title	Note
AR07.16-D-1020TSM	Remove/install fuel injectors	Engine OM654 in model 907

Disclaimer

NOTE: The information contained in this document is intended for use by trained, professional technicians with the knowledge to properly and safely perform diagnosis and repairs on Mercedes-Benz vehicles, using Mercedes-Benz approved tools and equipment. It informs service technicians about conditions that could occur in certain vehicles and provides information that could assist in proper vehicle diagnosis, service, or repair. It does not indicate that a defect is present in any vehicle referenced in this document nor does it imply warranty coverage. DO NOT assume that a symptom or condition, or a described cause of a symptom or condition, affects any particular vehicle or groups of vehicles, or that a described repair applies to any particular vehicle or groups of vehicles. There can be multiple causes resulting in the same or similar symptoms or conditions described in this document, and trained professional service technicians must use their diagnostic skills to make evaluations on a case-by-case basis. The information contained in this document does not guarantee warranty coverage nor does it extend the vehicle's warranty in any way.

Symptoms
Power generation > Engine management > Engine running > Surges
Power generation > Engine noise > Noise
Power generation > Engine management > Engine running > Poor fuel economy
Power generation > Engine management > Engine running > Runs rough/shakes
Power generation > Fuel system > Noises > Knocking/pulsating noises
Power generation > Fuel system > Fuel system odor > Odor
Power generation > Fuel system > Leakage > System leaks
Power generation > Exhaust system > Leakage > Leaks
Power generation > Engine management > Engine performance > No/poor output
Power generation > Exhaust system > Function > Fumes/white smoke
Power generation > Exhaust system > Function > fumes/black smoke
Power generation > Engine management > Function > Malfunction
Power generation > Exhaust system > Odor > Charred

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 001 990 26 07			SPHERICAL COLLAR SCREW			X
A 654 070 40 01			PRESSURE LINE			X
A 654 070 73 02			PRESSURE LINE			X

XENTRY Tips

A6110170060			SEALING RING, SPL. SHAPE			X
A6540163400			HOLDER			X
A6540700087			INJECTOR FOR COMMON RAIL			X
A6540700195			FUEL DISTRIBUTOR			X

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
07692	Replace one fuel injector (after check)	H		