

Poor engine starting after long period out of use

Topic number	LI15.20-N-057008
Version	5
Function group	15.20 Preglow system
Date	09-24-2019
Validity	Model 906 with engine 642
Reason for change	Distribution revised
Reason for block	

Complaint:

Poor engine starting after long period out of use

Note: No fault codes are stored in the engine control unit.

Cause:

Cause 1: The glow plugs installed are not approved.

Cause 2: There is a mixture of glow plugs (ceramic and steel versions) installed relative to the glow output stage.

Remedy:

Remedy for cause 1:

1. Remove glow plugs (see AR15.20-S-4111SE).

2. Enter the vehicle identification number in the EPC to determine and procure approved glow plugs with identical specifications.

3. Install glow plugs (see AR15.20-S-4111SE).

Note: Only use glow plugs with identical specifications. Do not install a mixture of specifications.

Information:

Only use the ceramic version or the steel version.

Remedy to cause 2:

1. Remove glow plugs (see AR15.20-S-4111SE).

2. Read and note down part number (1) of glow plugs on the component.

3. Read and note down part number (2) of glow output stage on the component.

4. Check configuration for the correct specification (ceramic or steel version) of the glow output stage relative to the glow plugs (ceramic or steel version).

XENTRY TIPS

Information: To do this, determine the version of the removed glow plugs and the version of the glow output stage by entering the part numbers (1, 2) in the EPC and check.

Note: Only a glow output stage with the same specification as the glow plugs may be used.

 5. Enter the vehicle identification number in the EPC to determine and procure approved components with identical specifications.

 6. Replace damaged glow plugs and glow plugs with the wrong specification with the glow plugs determined earlier from the EPC (see AR15.20-S-4111SE).

Note: Only use glow plugs with identical specifications.

Information:

Only use the ceramic version or the steel version.

 7. If necessary, replace the glow output stage with the approved glow output stage determined earlier from the EPC (see AR15.20-S-4500SE).

Note: Only use a glow output stage with the same specification as the glow plugs.

Attachments	
File	Description
01.jpg	(1) Location of Mercedes-Benz part number on glow plug. (2) Location of Mercedes-Benz part number on glow output stage.

Symptoms
Power generation / Engine management / Engine start/stop / Long starting time
Power generation / Engine management / Engine start/stop / Does not start

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
			Glow output stage	1	As required. Determine parts in EPC according to vehicle identification number (VIN).	
			Glow plug	6	As required. Determine parts in EPC according to vehicle identification number (VIN).	

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
15-4110	REMOVE/INSTALL GLOW PLUGS (ALL), REPLACE IF NECESSARY	1.0		
15-4332	REPLACE PREGLOW TIME RELAY OF PREGLOW SYSTEM (AFTER CHECK)	0.3		

XENTRY TIPS

WIS-References			
Document number	Title	Note	Allocation
AR15.20-S-4111SE	Remove/install glow plugs		Remedy
AR15.20-S-4500SE	Remove/install glow output stage		Remedy

Validity		
Vehicle	Engine	Transmission
Sprinter III	642	*

Attachments
