

TO: Service Locations

FROM: Service Operations

SUBJECT: **DD13 Cylinder Head and Cylinder Head Gasket Change**

ISSUE

Detroit[™] made a cylinder head casting change for DD13 engines to improve cooling in April of 2015 with engine serial number 471927S0336887. The 471932C effective point is 471932C0200669. The oil drain passages on the exhaust side of the cylinder head were modified. This change also required cup plugs to be installed in the deck of the cylinder head. A new cylinder head gasket was released with the cylinder head change. See illustrations below.



Figure1. New DD13 Cylinder Head (Left) and New DD13 Cylinder Head Gasket (Right)

REQUIRED ACTION

When making repairs to a DD13 engine with the new cylinder head design, the correct, new cylinder head gasket must be used. The new cylinder head gasket part number is A4710161220. This head gasket can be used on any DD13 engine with carbon scraper ring liners (GHG14 and GHG17). The eParts Catalog was updated to reflect these changes. Detroit always recommends using the eParts Catalog and the latest service documentation when making repairs to Detroit engines.

A summary of the DD13 models follows:

HDEP DD13 MODEL BREAKDOWN				
DESCRIPTION	ENGINE MODEL	DISPLACEMENT	APPLICATION	YEAR
EPA10 GHG14 DD13	471927S	12.8 L (DD13)	FUEL ECON PACKAGE 0 (FE0)	2013 (EPA10 GHG14)
EPA10 GHG14 DD13	471932C	12.8 L (DD13)	COACH (EVOBUS)	
EPA10 GHG14 DD13	471933S	12.8 L (DD13)	PIERCE FIRETRUCK	
EPA10 GHG14 DD13	471934S	12.8 L (DD13)	COACH (MCI & VAN HOOL)	
EPA10 GHG14 DD13	471935S	12.8 L (DD13)	MTU	
EPA10 GHG17 DD13	471928S	12.8 L (DD13)	TRUCK (FE1)	2016 (GHG17)
EPA10 GHG17 DD13	471938C	12.8 L (DD13)	COACH (EVOBUS)	
EPA10 GHG17 DD13	471940S	12.8 L (DD13)	PIERCE FIRETRUCK	
EPA10 GHG17 DD13	471941S	12.8 L (DD13)	MCI, VAN HOOL, OSHKOSH, FCCC	
EPA10 GHG17 DD13	471942S	12.8 L (DD13)	MTU	

CONTACT INFORMATION

Please contact the Detroit™ Customer Support Center at 800-445-1980 or email csc@daimler.com if you have any questions.