



No.: 17 TL-14
June 27, 2017

TO: Service Locations

FROM: Service Systems Development

SUBJECT: **Heavy Duty Cylinder Liner Seal Leak Tester DKI470E16024**



d580226

DKI470E16024 – Heavy Duty Cylinder Liner Seal Leak Tester

ISSUE

- An external coolant leak at the cylinder head and cylinder block mating surface may be incorrectly diagnosed.
- Cylinder block corrosion around the upper counter bore area has lead to unnecessary engine replacement in some cases.

The Detroit™ Special Tool Group has developed a kit that contains all the necessary components to test the cylinder liner seals during the diagnostic process and/or an engine overhaul.

GENERAL INFORMATION

Kit contents and serviceable components:

Part Number	Description	Quantity	Serviceable (Yes/No)	Engine Platform
DKI470E16024	Heavy Duty Cylinder Liner Seal Leak Tester Kit	Essential	Yes	EPA07 – GHG17 Heavy Duty - All
DKI470E16024-1	Cylinder 1 Top Plate (left)	1	Yes	
DKI470E16024-2	Cylinder Top Plate	11	Yes	
DKI470E16024-3	Oil Coolant Module Plate	1	Yes	
DKI470E16024-4	Bolt (Oil Coolant Module Plate) <i>M10-1.5 x 35mm</i>	10	No	
DKI470E16024-5	Washer (Oil Coolant Module Plate) <i>M10 Flat Washer</i>	10	No	
DKI470E16024-6	Spacer	32	Yes	
DKI470E16024-7	Washer (Spacer Bottom)	32	Yes	
DKI470E16024-8	Washer (Spacer Top) <i>M16 Flat Washer</i>	32	No	
DKI470E16024-9	Fuel Filter Module (FFM) Coolant Line Plate	1	Yes	
DKI470E16024-10	Bolt (FFM Coolant Line Plate) <i>M5-0.8 x 20mm</i>	2	No	
DKI470E16024-11	Fuel Filter Module (FFM) Plug	1	Yes	
DKI470E16024-12	Bolt (FFM Plug) <i>M10-1.5 X 20mm</i>	2	No	
DKI470E16024-13	Threaded plug (M18)	4	Yes	
DKI470E16024-14	Threaded plug (M14)	4	Yes	
DKI470E16024-15	Cap - Coolant Line Fitting	2	Yes	
DKI470E16024-16	Cap - Coolant Crossover (EPA07-GHG14)	1	Yes	
DKI470E16024-17	Cap - Coolant Crossover (GHG17)	1	Yes	
DKI470E16024-18	Cap - Coolant Inlet Elbow (Port A)	1	Yes	
DKI470E16024-19	Cap - Coolant Inlet Elbow (Port B)	1	Yes	
DKI470E16024-20	Cap - Coolant Inlet (lower radiator hose)	1	Yes	
DKI470E16024-21	Kit Case (Foam & Case Included)	1	Yes	

The new Heavy Duty Cylinder Liner Seal Leak Tester can be used on all heavy duty engine platforms. For EPA07 through GHG14 Heavy Duty Engines, refer to “EPA07/10/GHG14 Engine Manual (DDC-SVC-MAN-0081)” and for GHG17 Heavy Duty Engines, refer to “GHG17 DD Platform Workshop Manual (DDC-SVC-MAN-0190)”.

REQUIRED ACTION

Ordering Information - Tools will be automatically shipped and invoiced to your facility during the month of July. Locations that are **NOT** EPA07, EPA10, GHG14 or GHG17 DD-certified in SSI will need to order the tools through the Paragon system. Tools can be ordered through Paragon using a DDE supplier prefix.

CONTACT INFORMATION

Please e-mail detroittoolwarranty@daimler.com if you have any questions.