

# **Technical Product Information**

Issue Date: October 2017



# **Revised Compressors**

Revised DCP20021(K) for easy installation

### 1. Outline

This bulletin is to inform you about the product change of the DCP20021(K) with 40cc of oil.

#### 2. Applicable product

DCP20021 & DCP20021K



#### 3. Background

To reduce the risk of compressor failures after installation, the DENSO After Market Division has adapted the volume of oil contained within the compressor\*. The previous DCP20021(K) was pre-filled with 90cc of oil, but the revised DCP20021(K) is now pre-filled with 40cc of oil.

#### \*Important!

Always check the compressor installation guide for the right installation procedure. You will find the compressor installation guide in the box with the new compressor, in TecDoc and on our aftermarket website: www.denso-am.eu.





#### 4. Additional information

After investigation into the causes of compressor failures occurring shortly after DCP20021(K) installation, it became evident that many workshops were failing to flush the A/C system to remove the remaining oil from the A/C system. This resulted in too much oil present in the A/C system (90cc of new compressor + 40cc inside system = 130cc of oil) and in many cases would lead to a broken limiter of the DL-Pulley due to liquid lock. We have now changed the pre-fill quantity of the DCP20021(K) to 40cc of oil to minimise the risk of compressor failure due to liquid lock.

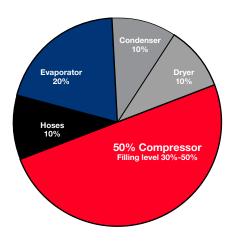
#### 5. Compressor identification

You can identify the new DCP20021(K) by the new DENSO label. It will now display 40cc of ND-oil 8, instead of 90cc ND-oil 8.

DENSO compressor label		
DCP20021K	DCP20021	
5SL12C 437100-899K DESIGN PRESS HIGH SIDE 3.53MPa LOW SIDE 1.67MPa	5SL12C DESIGN PRESS HIGH SIDE 3.53MPa	DCP200-210
HFC134a OIL ND-8 40cc DENSO U35 Made in Germany	HFC134a DENSO U35	OIL ND-8 40co Made in Germany

## 6. Oil distribution A/C system

Oil distribution within the A/C system (reference values, varying depending on outside temperature and engine load)



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