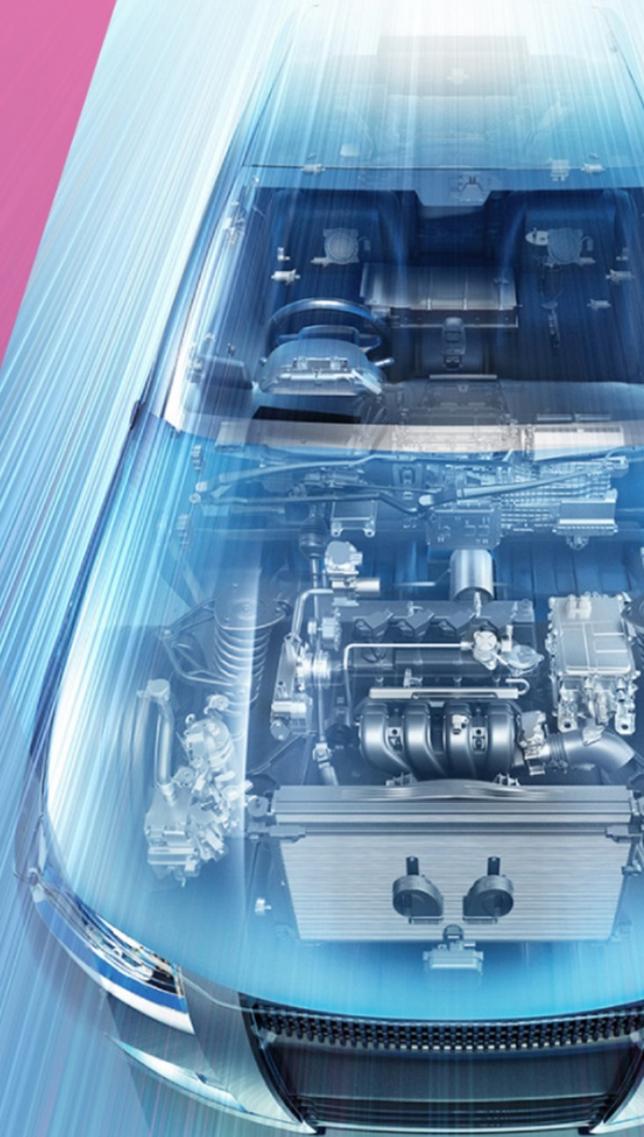


***DENSO***

# **ND-oil 6 compressors**

Retrofit instructions

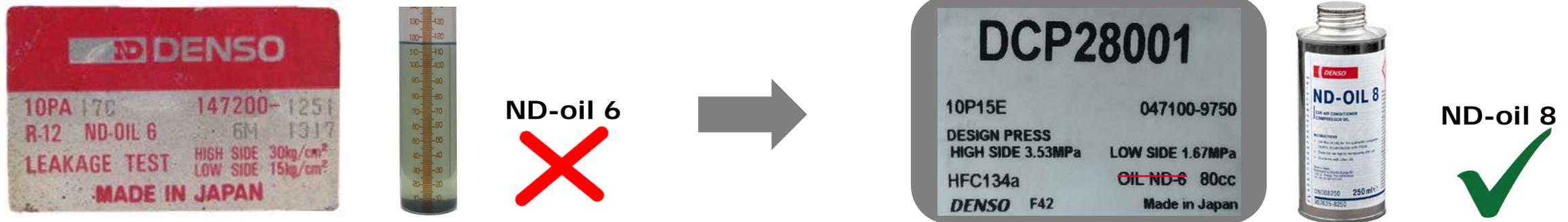
DNEU/AMIS/Thermal Team



## What to do?

DENSO compressors, pre-filled with ND-oil 6 were designed for the use with R12 refrigerant. R12 is forbidden to use in the EU since 2000. The new DENSO compressor is still pre-filled with ND-oil 6 but modified for using it with R134a. (Rubber gaskets and shaft seal are changed)

If an older vehicle is equipped with R12, it needs to be retrofitted to R134a. R134a refrigerant is using a synthetic compressor oil (ND-oil 8, PAG), while R12 refrigerant was using a mineral oil (ND-oil 6).



On the last page we explain how to replace the ND-oil 6 with ND-oil 8.

## Retrofit to R134a refrigerant

# What to do?



DCP02001



DCP02003



DCP50070



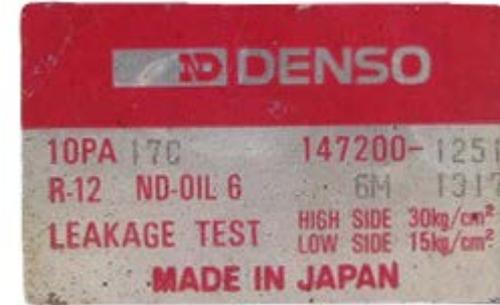
DCP28001



DCP28003



DCP99515



ND-oil 6



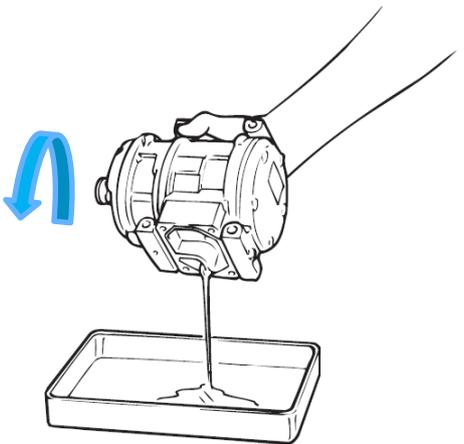
Replace ND-oil 6 with ND-oil 8



ND-oil 8

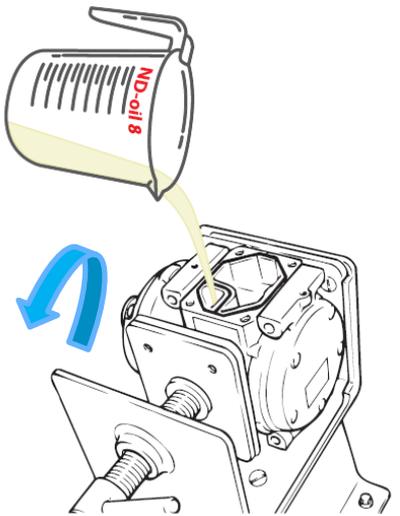
# How to remove ND-oil 6?

①



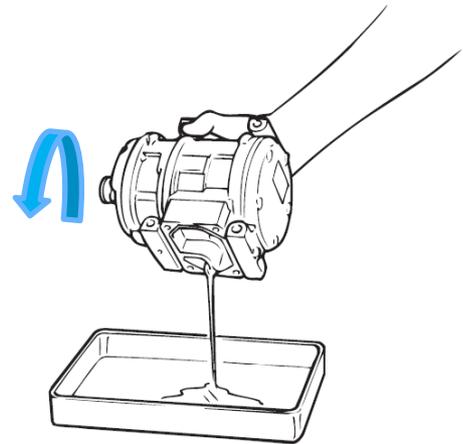
Drain the ND-oil 6 by keeping the compressor upside down and rotate the compressor shaft by hand.

②



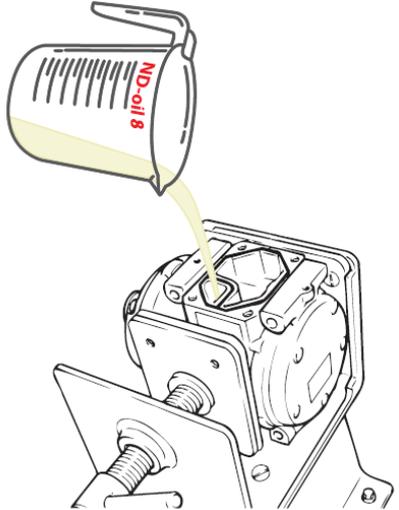
Flush the ND-oil 6 out, by pouring ND-oil 8 in the suction port (LP) and rotate the compressor by hand.

③



Make sure that all ND-oil 6 is removed and only ND-oil 8 is visible.

④



After all ND-oil 6 is removed, fill the compressor with the right amount of ND-oil 8. (See compressor label)

## Replace ND-oil 6 with ND-oil 8