

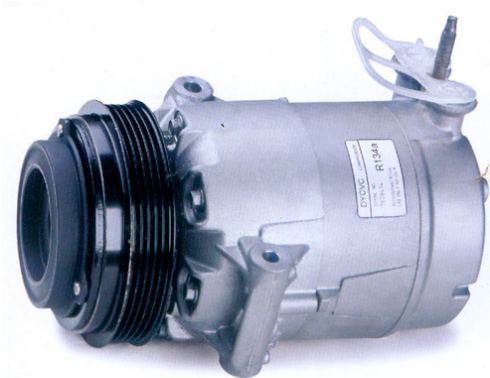
# TECHNICAL BULLETIN

## CARE OF AIR CONDITIONING COMPRESSORS

NOVEMBER 2011

It is vital to avoid expensive compressor replacement when there is no apparent impact damage.

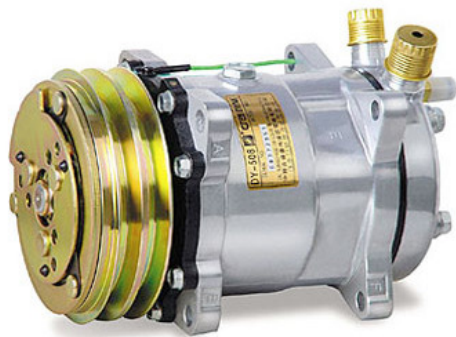
Air conditioning systems should be switched off and not operated if the vehicle is driven during the course of repairs, such as to be painted or to have sublet work done.



### ← Variable-displacement compressor

It is not necessary to disconnect the drivebelt to a variable-displacement compressor. Simply turn off the a/c using the instrument panel switch.

Although the compressor shaft will rotate with the engine (because there is no clutch) the internal swashplate will be resting perpendicular to the shaft, so there will be minimal load on the bearings which have their own self-lubrication system.



### ← Clutch-type compressor

A clutch-type compressor can be damaged if it is run with no gas in the system, because the refrigerant gas contains a lubricant for the compressor.

Once the A/C System is de-gassed, it should be switched off (using the instrument panel switch) and not operated until the system is regassed.

For further information, please contact the IAG Research Centre on on (02) 9292 6840.

#### Disclaimer:

The information contained herein is for general information purposes only. Users should be aware that (to the maximum permitted by law) we accept no responsibility for the accuracy or completeness of any material contained herein and exclude all liability to any person arising directly or indirectly from using the information or material. We recommend users confirm the accuracy and appropriateness of the information from another source if necessary, and to exercise their own skill and care with respect to its use.

#### Copyright

Copyright © 2007 Insurance Australia Limited ABN 11 000 016 722. All content included herein, such as text, documents, graphics, logos and images are the property of Insurance Australia Limited or its content suppliers and protected by Australian copyright laws. Third party copyright and trade marks appearing herein are reproduced with permission. No part of the content may be reproduced, transmitted, distributed, commercialised or re-used for any purpose whatsoever without written permission of Insurance Australia Limited (contact IAG Research Centre for more information).

Insurance Australia Limited  
ABN 11 000 016 722  
AFS Licence No. 227681

IAG Research Centre  
Unit One/ No. 2 Holker Street  
Newington NSW 2127 Australia  
T +61 (0)2 9292 6840  
F +61 (0)2 9737 9860  
E [info@iagresearch.com.au](mailto:info@iagresearch.com.au)  
W [www.iagresearch.com.au](http://www.iagresearch.com.au)