

Component Procedures: Refrigerant Oil

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Component Procedures: Refrigerant Oil

Specifications Quick Reference (itype_439)

Quick Specifications

- item

Air Conditioning Compressor Oil Balancing (Article 12707)

Draining Procedure

- Drain the refrigerant oil from the crankcase and rear head ports into a clean, graduated container.
- Rotate the air conditioning compressor shaft to assist in draining the air conditioning compressor. [Click for full-size image](#)
- Measure and record the amount of oil drained from the removed air conditioning compressor. This measurement will be used during installation of the replacement air conditioning compressor.
- Inspect oil drained from removed air conditioning compressor. [Air Conditioning Compressor Oil Diagnosis](#)
- Properly discard the used refrigerant oil.
- Clean the graduated cylinder.
- Drain bolt and drain the refrigerant oil from the air conditioning compressor crankcase and rear head ports into a clean, graduated container.
- Rotate the air conditioning compressor shaft to assist in draining the air conditioning compressor.

Balancing Procedure

- Refer to the amount of refrigerant oil recorded during the air conditioning compressor removal. [Click for full-size image](#)
- If the amount of oil recorded from the removed air conditioning compressor is less than or equal to 40 ml (1.4 fl. oz), add 41 ml of the new PAG oil back into the new air conditioning compressor through the air conditioning compressor suction port.
- If the amount of oil recorded from the removed air conditioning compressor is greater than 40 ml (1.4 fl. oz), add the equivalent amount of the new PAG oil back into the new air conditioning compressor through the air conditioning compressor suction port.
- Rotate the air conditioning compressor clutch driver three times to lubricate the internal air conditioning compressor components.
- If necessary, refer to Refrigerant System Specifications .

Refrigerant System Specifications (Article 12766)

Application Specification

Metric English

PAG Oil GM P/N 12378526 for United States PAG Oil GM P/N 88900060 for Canada

Compressor Replacement

The Delphi Service Compressor CSP17 is precharged with the specified amount of PAG Oil 41 ml¹ 1.4 oz¹

- The Delphi Service Compressor CSP17 is precharged with the specified amount of PAG Oil

Condenser Replacement 40 ml¹ 1.35 oz¹

Desiccant Bag Replacement 10 ml¹ 0.34 oz¹

Evaporator Replacement 30 ml¹ 1.0 oz¹

Refrigerant Line Replacement 10 ml¹ 0.34 oz¹

Total System PAG Oil Capacity 120 ml 4.06 oz

- Total System PAG Oil Capacity

R-134a

Refrigerant Charge 0.54 kg 1.19 lb

- Refrigerant Charge

¹If more than the specified amount of PAG oil was drained from a component, add the equal amount of oil drained.