

Lubricants, Fluids, Sealers and Adhesives

	Specifications
Refrigerant R134a (vehicles up to 20.06.2016)	WSH-M17B19-A
Refrigerant R1234yf (vehicles from 20.06.2016)	WSS-M17B21-A
Refrigerant oil (vehicles up to 20.06.2016)	WSH-M1C231-B
Refrigerant oil (vehicles from 20.06.2016)	WSS-M2C300-A2

Capacities

Refrigerant (all engines with R134A)	570 g
Refrigerant (all engines except 2.0L EcoBlue) with R1234yf	510 g
Refrigerant for 2.0L EcoBlue engines with R1234yf	540 g
Refrigerant Compressor Oil (Denso Compressor)	145 ml
Refrigerant Compressor Oil (Visteon Compressor)	150 ml

A/C (air conditioning) Compressor Clutch Air Gap

	mm
A/C compressor clutch air gap	0.35 — 0.60

Refrigerant Oil Adding (When new components are installed)

	Refrigerant Compressor Oil Amount ml	Method of Adding
After installing the A/C Compressor.	Service compressor contains full system charge of oil. Oil matching required plus amount collected during recovery.	For additional information, refer to: Refrigerant Oil Adding (412-00 Climate Control System - General Information, General Procedures).
After installing the receiver/drier.	2 fl oz (60 ml) plus the amount collected during refrigerant recovery.	Inject to low-side service port during system charging.
After installing the receiver/drier element.	1 fl oz (30 ml) plus the amount collected during refrigerant recovery.	Inject to low-side service port during system charging.
After installing the condenser core.	1.5 fl oz (45 ml) plus the amount collected during refrigerant recovery.	Add directly to inlet port or inject to low-side service port during system charging.
After installing the condenser core, and the receiver/drier.	2 fl oz (60 ml) plus the amount collected during refrigerant recovery.	Add directly to inlet port or inject to low-side service port during system charging.
After installing the evaporator core.	1.5 fl oz (45 ml) plus the amount collected during refrigerant recovery.	Add directly to inlet port or inject to low-side service port during system charging.
After installing/reassembling the thermostatic expansion valve.	Amount collected during refrigerant recovery.	Inject to low-side service port during system charging.
After installing a refrigerant hose/line.	2 fl oz (60 ml) plus the amount collected during refrigerant recovery a.	Inject to low-side service port during system charging.
After an O-ring leak repair.	1 fl oz (30 ml) plus the amount collected during refrigerant recovery b.	Inject to low-side service port during system charging.
After a service port leak repair.	Amount collected during refrigerant recovery.	Inject to low-side service port during system charging.
a If an excessive amount of Refrigerant Compressor Oil is lost due to a hose rupture/separation or other damage, the total system Refrigerant Compressor Oil capacity must be added. Also, it is necessary to replace the receiver/drier.		
b The amount specified may be used for one or multiple O-ring leak repairs. Do not multiply the Refrigerant Compressor Oil amount by the number of O-ring leaks being repaired.		