Specifications - Vehicles With: R1234YF Refrigerant

Lubricants, Fluids, Sealers and Adhesives

NOTE: *Compressor control and the evaporator temperature are a function of many parameters, not a straight on off to avoid freezing the evaporator. The PCM monitors multiple temperature sensors correlation (AAT, CHT, ECT IAT, MAF...) as applicable. The PCM runs this logic after an engine off and a calibrated soak period, typically 6 to 8 hours. This soak period allows the Ambient Air Temperature (AAT) sensor and the other temperature sensors to stabilize and not differ by greater than a calibrated value, typically 18ºC (32.4ºF). If a sensor input is found to be reporting a temperature imbalance the PCM does not allow the A/C clutch to engage. For more information on PCM sensors, Refer to Powertrain Control/Emissions Diagnosis (PC/ED) manual.*

US/Canada	Specifications
Motorcraft® R-1234yf Refrigerant PAG Oil / YN-35	WSS-M2C300-A2
R-1234yf Refrigerant / YN-33-A (US); HS7Z-19B519-BA (Canada)	WSS-M17B21-A
Motorcraft® A/C System Flushing Solvent / YN-23	—
Motorcraft® A/C Cooling Coil Coating / YN-29	—

Capacities

Motorcraft® R-1234yf Refrigerant PAG Oil / YN-35	2.7L EcoBoost 2.7 fl oz (80 ml)
	3.0L Power Stroke Diesel 2.7 fl oz (80 ml)
	3.3L Duratec 4.1 fl oz (120 ml)

	3.5L EcoBoost 2.7 fl oz (80 ml)
	5.0L Ti-VCT 2.7 fl oz (80 ml)
R-1234yf Refrigerant / YN-33-A (US); HS7Z-19B519-BA (Canada)	2.7L EcoBoost 29 oz (0.82 kg)
	3.0L Power Stroke Diesel 29 oz (0.82 kg)
	3.3L Duratec 29 oz (0.82 kg)
	3.5L EcoBoost 29 oz (0.82 kg)
	5.0L Ti-VCT 29 oz (0.82 kg)

A/C Compressor Clutch Air Gap

	mm
A/C compressor clutch air gap	0.3 — 0.6