Honeywell

Fact Sheet

HFO-1234yf: The Better Choice for the Aftermarket Industry

	HFO-1234yf	CO_2 (R744)
Ease of Leak Detection	Easy, use in same equipment and techniques as today	Difficult to find leaks; CO_2 is present in background air
Service Equipment and Practices	Similar to HFC-134a	Higher pressures require different equipment and practices
Impact of Very Small Leaks	Minor, lower pressure minimizes leak rates	High pressure of CO_2 makes even small leaks a problem
Impact of Charge Loss	Low leak rates and ability to hold reserve charge reduce impact on performance	Higher leak rates and limit on total charge due to pressure concerns increases impact of charge loss
Ease of Service	Flexible hoses make it easy to replace hoses and components	Stiffer hoses more difficult to work with in crowded engine compartments
Cost of Repair Parts	Similar to HFC-134a	CO_2 components are more expensive than HFC-134a
Safety	Can be used safely with proper practices and	Can be used safely with proper practices

	training	and training
Other	HFO-1234yf is odorless	Required CO_2 odorant has foul odor that is difficult to remove