



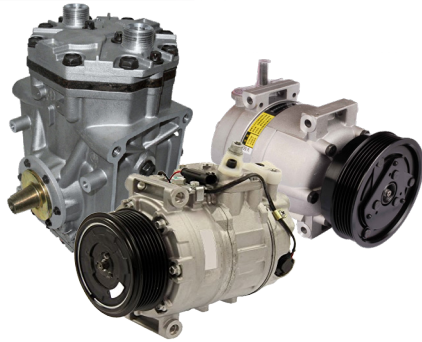
# Air Conditioning Tools & Consumables



**Version 23**

# The Knowledge Behind the Product

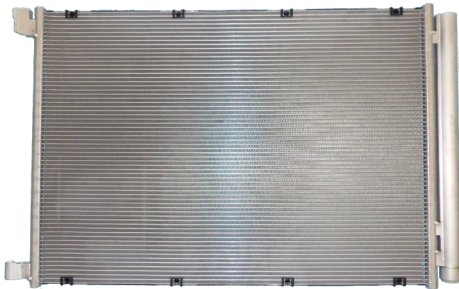
We offer a comprehensive range of replacement AC components such as...



OE & Pattern Compressors



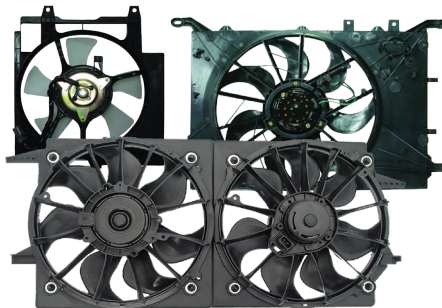
Driers & Accumulators



Condensers



Pressure Switches



Cooling Fans  
& Resistors



Blower Motors  
& Resistors



Expansion Valves



Evaporators

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# Elke



All of our Pag oils are double end capped.

This is a process that stabilises chemicals in the lubricant to improve the tolerance to high temperature.

This also helps prevent reactions that create acid within the air-conditioning system, making Pag oil tolerant to moisture.

## Pag 46 R134a Oils

Part No	Description	R134a	Qty
41-1020	<i>Elke</i> Pag 46 ND8 Sp10 Oil		250ml
41-1020A	<i>Elke</i> Pag 46 ND8 Sp10 Oil		1ltr
41-1026	<i>Elke</i> Pag 46 ND8 Sp10 Oil		5ltr
41-1035	<i>Elke</i> Pag 46 ND8 Sp10 Oil With Dye		250ml
41-1020B	<i>Elke</i> Pag 46 ND8 Sp10 Oil With Dye		1ltr

*Elke*  
Pag 46  
Oils

## Pag 100 R134a Oils

Part No	R134a	R134a	Qty
41-1022	<i>Elke</i> Pag 100 Oil		250ml
41-1022A	<i>Elke</i> Pag 100 Oil		1ltr
41-1036	<i>Elke</i> Pag 100 Oil With Dye		250ml
41-1022B	<i>Elke</i> Pag 100 Oil With Dye		1ltr

*Elke*  
Pag 100  
Oils

## Pag 125 R134a Oils

Part No	Description	R134a	Qty
41-1042	<i>Elke</i> Pag 125 (Blue) Oil		250ml
41-1043	<i>Elke</i> Pag 125 (Blue) Oil		1ltr

*Elke*  
Pag 125  
Oils

## Pag 150 R134a Oils

Part No	Description	R134a	Qty
41-1021	<i>Elke</i> Pag 150 Oil		250ml
41-1021A	<i>Elke</i> Pag 150 Oil		1ltr
41-1034	<i>Elke</i> Pag 150 Oil With Dye		250ml
41-1033	<i>Elke</i> Pag 150 Oil With Dye		1ltr

*Elke*  
**Pag 150  
Oils**

## Pao & Pag 68 Universal R134a Oils

Part No	Description	R134a	Qty
41-1037	<i>Elke</i> Pag 68 RL897 Universal 134a Oil		250ml
41-1068	<i>Elke</i> Pao 68 RL897 Universal 134a Oil		1ltr
41-1070	<i>Elke</i> Pao 68 RL897 Universal 134a Oil		5ltr
41-1069	<i>Elke</i> Pao 68 Universal 134a Oil with Dye		250ml
41-1068A	<i>Elke</i> Pao 68 Universal 134a Oil with Dye		1ltr

*Elke*  
**Universal  
Oils**

## Ester R134a Oils (Not Suitable For Hybrids/Electric)

Part No	Description	R134a	Qty
41-1030	<i>Elke</i> Poe 100 Ester 134a Oil		250ml
41-1031	<i>Elke</i> Poe 100 Ester 134a Oil		1ltr
41-1032	<i>Elke</i> Poe 100 Ester 134a Oil with Dye		1ltr

When converting an R12 system to R134a use 50ml of Ester oil & add to the vehicles existing oil. This will stop the deterioration of seals and protect them in the system.  
(Replaces 41-0000A in previous catalogues)  
Not to be used in Hybrid/Electric systems.

*Elke*  
**Ester  
Oils**

**NOTE: It is Important that you use the correct oil for Hybrid/Electric vehicles. Most Hybrid/Electric vehicles use high voltage compressors rather than conventional belt driven pulley types. If the wrong oil is used, there is a risk that the oil can conduct and cause a short circuit. A short circuit will result in the A/C system shutting down.**

## Hybrid R134a Universal Oils

Part No	Description	Hybrid	R134a	Qty
41-1024	<i>Elke</i> ND11, SP11, Denzoi11/MA68EV Oil			250ml
41-1029	<i>Elke</i> Universal Poe 85 Oil			250ml
41-1029A	<i>Elke</i> Universal Poe 85 Oil			1Ltr
41-1029B	<i>Elke</i> Universal Poe 85 Oil with Dye			1Ltr

*Elke*  
**Hybrid  
Oils**

## Hybrid R134a One Shot Oil Syringe Kit

Part No	Description	Hybrid	R134a
42-0017	<i>Elke</i> One Shot Oil Syringe. 1 x 60ml oil syringe for R134a Hybrid. Requires 42-0014		
42-0014	<i>Elke</i> Hose With Check Valve & Quick Coupler. Hose with check valve and R134a coupler		



# HFO1234yf & CO<sub>2</sub> Oils

**NOTE:** It is important that you use the correct oil for Hybrid/Electric vehicles. Most Hybrid/Electric vehicles use high voltage compressors rather than conventional belt driven pulley types. If the wrong oil is used, there is a risk that the oil can conduct and cause a short circuit. A short circuit will result in the A/C system shutting down.

## Specific HFO1234yf Oils

Part No	Description	HFO1234yf	Qty	
41-1025	<i>Elke</i> Pag 46 Oil Approved oil for <b>HFO1234yf</b> systems. ND12 compatible.		250ml	<i>Elke</i> Pag 46 Oil
41-1038	<i>Elke</i> Pag 100 Oil Approved oil for <b>HFO1234yf</b> systems. For use on some Valeo systems.		250ml	<i>Elke</i> Pag 100 Oil
41-1051	<i>Elke</i> PSD1 Oil GM only approved oil for <b>HFO1234yf</b> systems. Compatible for XTS A/C Delco Systems. Recommended for mechanical compressors (belt). More stable than other oils in the yf (higher pressured) system. <b>BACKWARDS COMPATIBLE.</b>		250ml	<i>Elke</i> PSD1 Oil
41-1053	<i>Elke</i> ND12 Oil Denso approved for <b>HFO1234yf</b> systems. Compatible for ATS A/C systems. Recommended for mechanical compressors (belt). More stable than other oils in the yf (higher pressured) system. <b>BACKWARDS COMPATIBLE.</b>		250ml	<i>Elke</i> ND12 Oil

## HFO1234yf & Electric/Hybrid Oils

Part No	Description	HFO1234yf	Hybrid	Qty	
41-1052	<i>Elke</i> Conductive SP-A2 Oil Sanden approved for <b>HFO1234yf</b> systems. Compatible with <b>Hybrid</b> compressors HVCC, Mahle & Sanden where SP-A2 is recommended.			250ml	<i>Elke</i> Hybrid Oil

## CO<sub>2</sub> Pag Oils

Part No	Description & Qty	CO <sub>2</sub>	Qty	
41-1072	<i>Elke</i> R744 Pag 46 Oil 250ml			
41-1073	<i>Elke</i> R744 Pag 46 Oil 1Ltr Pag 46 lubricant. For use with R744 CO <sub>2</sub> non-Hybrid systems.			<i>Elke</i> R744 CO <sub>2</sub> Oil

## Pag Based Universal Conductive Oils

Part No	Description	R134a	HFO1234yf	Qty
42-0021	<i>Elke</i> Universal Pag 68 Oil 250ml			
42-0021A	<i>Elke</i> Universal Pag 68 Oil/Dye 250ml			
42-0022	<i>Elke</i> Universal Pag 68 Oil 1ltr			
42-0022A	<i>Elke</i> Universal Pag 68 Oil/Dye 1ltr			

Universal Pag based conductive lubricant.  
For use in **R134a** & **HFO1234yf** systems.  
Can be used in **Hybrid** vehicles  
where a **Sanden** electric compressor  
is fitted requiring conductive oil.



250ml

1Ltr

Part No	Description	R134a	HFO1234yf	Qty
42-0105	<b>Snow Leopard</b> ® Universal Pag 46e Oil 250ml			
42-0104	<b>Snow Leopard</b> ® Universal Pag 46e Oil/Dye 250ml			
42-0106	<b>Snow Leopard</b> ® Universal Pag 100e Oil 250ml			
42-0107	<b>Snow Leopard</b> ® Universal Pag 100e Oil/Dye 250ml			

Universal Pag based conductive lubricant.  
For use in **R134a** & **HFO1234yf** systems.  
Can be used in **Hybrid** vehicles  
where a **Sanden** electric compressor is  
fitted requiring conductive oil.



250ml

## Poe Based Universal 85/Mrl85 Hybrid Low-Conductivity Oils

Part No	Description	R134a	HFO1234yf	Hybrid	Qty
41-1029	<i>Elke</i> Universal Poe 85 Oil 250ml (Alternative to MRL85)				
41-1029A	<i>Elke</i> Universal Poe 85 Oil 1Ltr (Alternative to MRL85)				
41-1029B	<i>Elke</i> Universal Poe 85 Oil/Dye 1Ltr (Alternative to MRL85)				

Universal Ester based Low-conductivity lubricant.  
For use in **R134a** & **HFO1234yf** systems.  
Can be used in **Hybrid** vehicles where an electric  
compressor is fitted requiring Low-conductivity oil.



250ml

1ltr

Part No	Description	R134a	HFO1234yf	Hybrid	Qty
42-0020A	<b>Snow Leopard</b> ® Mrl85 Oil 250ml				
42-0020B	<b>Snow Leopard</b> ® Mrl85 Oil with Dye 250ml				
42-0020	<b>Snow Leopard</b> ® Mrl85 Oil 1ltr				
42-0020C	<b>Snow Leopard</b> ® Mrl85 Oil with Dye 1ltr				

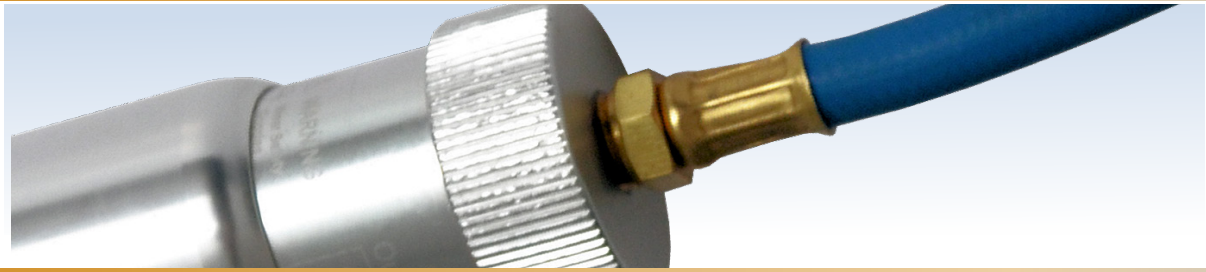
Universal Ester based Low-conductivity lubricant.  
For use in **R134a** & **HFO1234yf** systems.  
Can be used in **Hybrid** vehicles  
where an electric compressor is fitted  
requiring Low-conductive oil.



250ml

1ltr

# Oil Injector Products

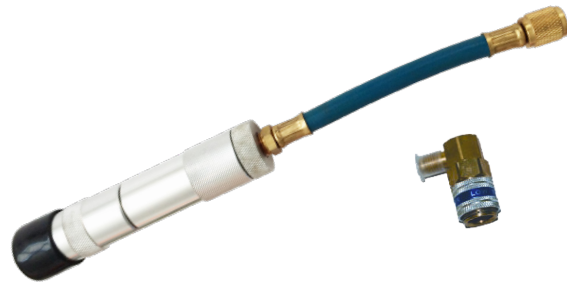


## Oil/Dye Injectors (Cartridge Refills Are Not Required)

Part No	Description	R134a	Part No	Description	R134a
41-1139	Budget 60ml Oil/Dye Injector		41-1138	Premium 30ml Oil/Dye Injector	

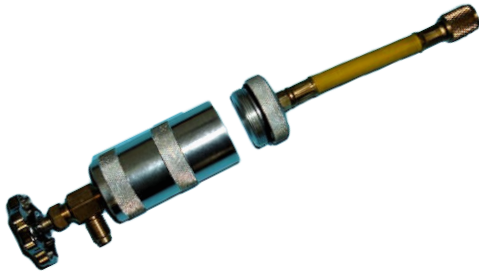


Plastic Injector and hose assembly with budget low side **R134a** snap connector. Approx 60ml capacity.



Metal Hand Turn Injector and hose assembly with low side **R134a** snap connector. Approx 30ml capacity.

Part No	Description	R134a	Part No	Description	R134a
41-1135	Premium 60ml Oil/Dye Injector		41-1136	Premium 60ml Oil/Dye Injector	

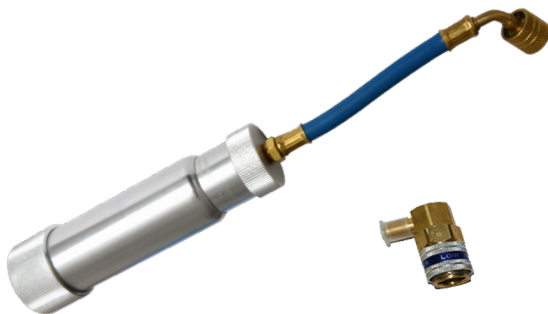


Metal Hand Turn Injector with 1/2 ACME hose connection. Approx 60ml capacity.



Metal Hand Turn Injector with 1/4 hose connection. Approx 60ml capacity.

Part No	Description	R134a	Part No	Description	HFO1234yf
41-1161	Premium 60ml Oil/Dye Injector		41-1160	Premium 30ml Oil/Dye Injector	



Metal Hand Turn Injector and hose assembly with low side **R134a** snap connector. Approx 60ml capacity.



Metal Hand Turn Injector and hose assembly with low side **HFO1234yf** snap connector. Approx 30ml capacity.




# Spotgun®/Easy Gun® Range

## Universal Oil/Oil & Dye Cartridges

Part No	Description	
41-140282	R134a Pag Oil Cartridge 240ml	
41-40142	HFO1234yf/R134a Pag Oil & Dye Cartridge 240ml	


## R134a Pag Oil Cartridges

Part No	Description	R134a	
41-140283	Pag 46 Oil Cartridge 240ml		
41-140284	Pag 100 Oil Cartridge 240ml		
41-140287	Pag 125 Oil Cartridge 240ml		
41-140285	Pag 150 Oil Cartridge 240ml		

## HFO1234yf Pag Oil Cartridges

Part No	Description	HFO1234yf	
41-40140	Pag 46 Oil Cartridge 240ml		
41-40141	Pag 100 Oil Cartridge 240ml		

## Hybrid/Electric Oil Cartridges

Part No	Hybrid	Hybrid	HFO1234yf	R134a	
41-40139					
41-40137					

POE 80/85 Oil Cartridge 120ml  
POE 80/85 Oil & Dye Cartridge 240ml



**For electric vehicles please refer to OE guidelines**

## Universal UV Dye Cartridge

Part No	Description	Hybrid	HFO1234yf	R134a	
41-40138	Universal UV Dye Cartridge 240ml				

For use with Easy Gun®/Spot-Gun® applicator 41-0102  
**For electric vehicles please refer to OE guidelines**


## Cartridge Applicator & Hoses

Part No	Description	Qty
41-0102	Easy Gun®/Spotgun® Applicator Robust applicator for use with 240ml UV Dye/Oil Cartridges	 1 unit
41-0101	Easy Gun®/Spotgun® Hose Easy Gun®/Spot-Gun® Hose for R134a	 1 unit
41-0101A	Easy Gun®/Spotgun® Hose Easy Gun®/Spot-Gun® Hose for R1234yf	 1 unit



# Recovery Machine Oils & UV Dyes




## Errecom® Oil-in-a-Bag/Dye-in-a-Bag

Part No	Description	Qty
41-2013	PAG 46 Oil <b>R134a</b>	 500ml *Meets SAE J2297/J2298
41-2014	PAG 100 Oil <b>R134a</b>	
41-2026	PAG 125 Oil <b>R134a</b>	
41-2027	PAG 150 Oil <b>R134a</b>	
41-2033	PAO 68 Universal Oil <b>R134a</b>	
41-2034	PAO 68 Universal Oil With Dye <b>R134a</b>	
41-2028	POE 100 Oil <b>Hybrid R134a</b>	
41-2015	Yellow Brilliant UV Dye Hybrid* <b>R134a HFO1234yf</b>	
41-2016	Red Brilliant UV Dye* <b>Hybrid R134a</b>	
41-2035	Blue Brilliant UV Dye* <b>Hybrid HFO1234yf</b>	

## Errecom Oil-in-a-Bag/Dye-in-a-Bag Adaptors

Part No	Description	Qty
41-2025	Straight Quick Adaptor  Straight Quick adaptor for Oil-in-a-Bag/Dye-in-a-Bag system. White and yellow and supplied as a set.	 1 Set
41-2025A	90° Straight Quick Adaptor  90°Quick adaptor for Oil-in-a-Bag/Dye-in-a-Bag system. White and yellow and supplied as a set.	 1 Set

## Waeco® Oil & Dyes 500ml Pressurised Cans

Part No	Description	Qty
41-1044	Pag 46 Oil Pressurised Can <b>R134a</b>	 500ml
41-1045	Pag 100 Oil Pressurised Can <b>R134a</b>	
41-1046	Pag 150 Oil Pressurised Can <b>R134a</b>	
41-1047	Pag 46 Oil Pressurised Can <b>HFO1234yf</b>	
42-0109	SP-A2 Oil Pressurised Can SP20 SP10 <b>HFO1234yf</b>	
42-0110	UV Tracer Dye Additive Pressurised Can <b>HFO1234yf</b>	
41-1048	UV Tracer Dye Additive Pressured Can <b>R134a</b>	

# Recovery Machine Oils & UV Dyes



Snow Leopard® technical lubricants are made for the alternating hot and cold environments of an AC system. Formulated from selected synthesised oils, refined with special additives to meet and exceed the needs of your compressor, Snow Leopard® oils have the power and performance to lubricate and protect your compressor and to optimise the environment/performance of any AC&R system.

## Snow Leopard® Machine Oil Concertinas

Part No	Description	HFO1234yf	R134a	Qty
41-2041	PAG46 Oil Concertina Nozzle Blue			
41-2042	PAG46 Oil Concertina B/fly Orange			
41-2043	PAG100 Oil Concertina Nozzle Blue			
41-2044	PAG100 Oil Concertina B/fly Orange			
41-2045	MRL85 Hybrid Oil Concertina Nozzle Blue			
41-2046	MRL85 Hybrid Oil Concertina B/fly Orange			

\*Convert your old machine standard bottles to the modern concertina system by using one of the above part numbers plus an adaptor 41-2036 or 41-2037



260ml

## Glo-leak® Machine UV Dye Concertinas

Part No	Description	Hybrid	HFO1234yf	R134a	Qty
41-2039	UV Glo-leak® Dye For A/C machines. Yellow nozzle version. Hybrid systems. HFO1234yf & R134a For electric vehicles please refer to OE guidelines				



125ml

41-2040	UV Glo-leak® Dye For A/C machines. Orange B/fly version. Hybrid systems. HFO1234yf & R134a				
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125ml

\*Convert your old machine standard bottles to the modern concertina system by using the 41-2039 above plus an adaptor 41-2038

## Snow Leopard® Machine Oil/Dye Adaptors (\*Convert Your Old Machine)

Part No	Description	Qty
41-2036	Concertina oil Adaptor <ul style="list-style-type: none"> <li>Orange Butterfly version.</li> <li>Female connector.</li> </ul>	1 Unit
41-2037	Concertina oil Adaptor <ul style="list-style-type: none"> <li>Blue (for oil) Bayonet Nozzle version.</li> <li>Female connector.</li> </ul>	1 Unit
41-2038	Concertina UV Dye Adaptor <ul style="list-style-type: none"> <li>Yellow (for Glo-Leak®) Bayonet Nozzle version.</li> <li>Female connector.</li> </ul>	1 Unit



# UV Dye R134a & HFO1234yf

## Specific UV Dyes

Part No	Description	R134a	Part No	Description	R134a
42-0000A	<i>Elke</i> Economy UV Dye		42-0000B	<i>Elke</i> Economy UV Dye	



250ml

33 shot (based on using 7.5ml per 1.5kg of gas).  
Solvent free.  
Meets SAE J2297 and SAE J2298



1ltr

132 shot (based on using 7.5ml per 1.5kg of gas).  
Solvent free.  
Meets SAE J2297 and SAE J2298.

Part No	Description	HFO1234yf	R134a	Part No	Description	HFO1234yf	R134a
42-0007	<i>Elke</i> UV Dye			42-0008	<i>Elke</i> UV Dye		



250ml

33 shot (based on using 7.5ml per 1.5kg of gas).  
Solvent free.  
Meets SAE J2297 and SAE J2298.



350ml

46 shot (based on using 7.5ml per 1.5kg of gas)  
Solvent free.  
Meets SAE J2297 and SAE J2298.

# UV Dye Universal, Hybrid & CO<sub>2</sub>

## Universal & CO<sub>2</sub> UV Dyes

Part No	Description	HFO1234yf	R134a	Part No	Description	HFO1234yf	R134a
42-0018	<i>Elke</i> Universal UV Dye		Hybrid	42-0019	<i>Elke</i> Universal UV Dye		Hybrid

33 shot. For standard and Hybrid systems. Specially formulated to mix with the latest refrigerant HFO1234yf & R134a Meets SAE J2297 and SAE J2298.



250ml

For electric vehicles please refer to OE guidelines

132 shot. For standard and Hybrid systems. Specially formulated to mix with the latest refrigerant HFO1234yf & R134a Meets SAE J2297 and SAE J2298.



1ltr

For electric vehicles please refer to OE guidelines

Part No	Description	HFO1234yf	R134a	Part No	Description	HFO1234yf	R134a
42-0000	Glo-Leak® UV Dye		Hybrid	42-0010	<i>Elke</i> UV Dye		Hybrid

33 shot (based on using 7.5ml per 1.5kg of gas). Specially formulated to mix with the latest refrigerant. Suitable for Hybrid systems with HFO1234yf & R134a



250ml

For electric vehicles please refer to OE guidelines

33 shot (based on using 7.5ml per 1.5kg of gas). Specially formulated to mix with the latest refrigerant. Suitable for Hybrid systems with HFO1234yf & R134a Meets SAE J2297 and SAE J2298.



250ml

For electric vehicles please refer to OE guidelines

Part No	Description	CO <sub>2</sub>
41-1074	<i>Elke</i> CO <sub>2</sub> UV Dye	

33 shot (based on using 7.5ml per 1.5kg of gas). Specially formulated to mix with R744 CO<sub>2</sub> refrigerant.

Please note this is not recommended for Hybrid Systems.

Not suitable for fully Electric



250ml

# UV Dye Injectors & Syringes



## Hand Turn UV Dye Injectors (Cartridge Refills Are Not Required)

Part No	Description	R134a	Part No	Description	R134a
41-0051	UV Dye Injector & Dye Kit		41-1138	Hand Turn UV Dye/Oil Injector	



Metal Hand Turn Injector and hose assembly with **R134a** snap connection, UV dye and engine bay stickers. 60ml injector capacity.

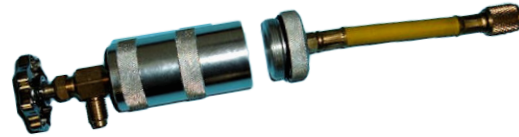


Metal Hand Turn Injector and hose assembly With low side **R134a** snap connector. Approx 30ml capacity.

Part No	Description	R134a	Part No	Description	R134a
41-1161	Hand Turn UV Dye/Oil Injector		41-1135	Hand Turn UV Dye/Oil Injector	



Metal Hand Turn Injector and hose assembly with low side **R134a** snap connector. Approx 60ml capacity.



Metal Hand Turn Injector with 1/2 ACME hose connection. Approx 60ml capacity.

Part No	Description	R134a	Part No	Description	HFO1234yf
41-1136	Hand Turn UV Dye/Oil Injector		41-1160	Hand Turn UV Dye/Oil Injector	



Metal Hand Turn Injector with 1/4 hose connection. Approx 60ml capacity.



Metal Hand Turn Injector and hose assembly with low side **HFO1234yf** snap connector. Approx 30ml capacity.

## Hand Turn UV Dye Injector Kit (Cartridge Refills Required)

Part No	Description	R134a	Part No	Description	R134a
41-0050	UV Dye Injector & Dye Kit		41-0049	Replacement Dye Cartridge	



Metal Hand Turn Injector and hose assembly with **R134a** snap connection & UV dye cartridge.



Replacement cartridge for 41-0050 25 Applications. **R134a**

# UV Dye Injectors & Syringes

## One shot UV Syringe Kits

Part No	Description	R134a	Part No	Description	R134a
42-0011	<i>Elke</i> One Shot Dye Syringes		42-0014	<i>Elke</i> Hose & Quick Coupler	

Pack of 12 x 7.5ml UV additive.  
(Requires 42-0014 hose with check valve and combined quick coupler sold separately).

R134a



For use with 42-0011 7.5ml syringes.

R134a



Part No	Description	Hybrid	R134a	Part No	Description	Hybrid	R134a
42-0012	<i>Elke</i> One Shot Dye Syringes			42-0014	<i>Elke</i> Hose & Quick Coupler		

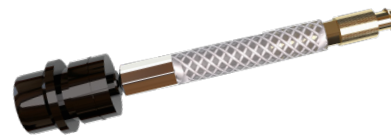
Pack of 12 x 7.5ml UV additive.  
(Requires 42-0014 hose with check valve and combined quick coupler sold separately).

Hybrid & R134a



For use with 42-0012 7.5ml syringes.

Hybrid & R134a



For electric vehicles please refer to OE guidelines

Part No	Description	HFO1234yf	Part No	Description	HFO1234yf
42-0013	<i>Elke</i> One Shot Dye Syringes		42-0014B	<i>Elke</i> Hose & Quick Coupler	

Pack of 12 x 7.5ml UV additive.  
(Requires 42-0014B hose with check valve and combined quick coupler sold separately).

HFO1234yf



For use with 42-0013 7.5ml syringes.

HFO1234yf



## UV Concertina Kit & Accessories

Part No	Description	R134a	Part No	Description	R134a
42-0005	Glo-leak® UV Concertina Dye Kit		42-0004	Glo-leak® UV Concertina Refill	



Approx 10 shots. Pack includes injector, hose, coupler and a 60ml concertina of dye.

R134a

Concertina UV additive refill.  
For use with 42-0005  
Approx 10 shots.

R134a



60ml

# UV Dye Kits

## UV Dye & Lamp Kit

Part No	Description	R134a	Qty
41-0115	<i>Elke</i> Hand Turn Injector UV Dye Kit		

Kit contains:

12v 60W UV lamp, hand turn injector 60ml, UV glasses (41-0008), **R134a** injector hose, 250ml UV dye additive (42-0000A) and UV dye remover 400ml (41-0053).

**HFO1234yf** systems if the following are also purchased:

(41-1065) 1/4 adaptor.

(41-1061) Low side coupler.

(42-0018) R134a/HFO1234yf/Hybrid UV dye 250ml.



1 Kit

## UV Dye & Torch Kit

Part No	Description	HFO1234yf	R134a	Qty
41-0100A	Errecom Easy Gun® UV Dye Kit			

Kit contains:

9 LED aluminium UV Torch, Easy Gun® applicator, **R134a** & **HFO1234yf** injector hose, Errecom® Brilliant Yellow UV dye cartridge, UV glasses including 3 x AAA batteries.



1 Kit

## UV Dye & Lamp Kit

Part No	Description	Hybrid	R134a	Qty
41-0100	Spotgun® UV Dye Kit			

Kit contains:

12v 60W UV lamp, UV glasses (41-0008), Spotgun® applicator, **R134a** injector hose, Spotgun® UV dye cartridge and UV dye remover 400ml (41-0053).

**HFO1234yf** systems if the following are also purchased:

(41-0101A) Injector hose.

**For electric vehicles please refer to OE guidelines**



1 Kit

## UV Dye & Rechargeable Torch Kit

Part No	Description	HFO1234yf	R134a	Qty
42-0102	<i>Elke</i> Rechargeable UV Torch Kit			

Kit contains:

Elke high intensity 3W (eq to 50W approx) single chip LED rechargeable torch (41-0037B), UV protective glasses (41-0008), 250ml UV additive(42-0000A) and UV additive remover spray 400ml (41-0053A).



1 Kit



## UV Lamps & Torch Kits

Part No	Description	Battery	Part No	Description	Battery
41-0081	<i>Elke</i> Budget LED UV Torch		41-0080C	UV400 Budget UV Torch	



Elke 3W 12 UVA LED budget UV torch. UV glasses and 3 x AAA batteries included. Glasses also available separately (41-0008).



Primalec 3W (eq to 50W approx) single chip LED UV400 budget tracer torch. UV Extra-Glo glasses and 3 x AAA batteries included.

Part No	Description	Battery	Part No	Description	Battery
41-0037	<i>Elke</i> Chrome Finish UV Torch		41-10044	<i>Elke</i> UV Led Flexible Torch	



Elke 3W (eq to 50W approx) single chip LED budget aluminium UV torch. UV glasses and 3 x AAA batteries included.



4 LED, flexible and very useful tool to find leaks in hard to reach areas. CR2 lithium battery & UV glasses included. Glasses also available separately (41-0008).

# UV Lamp & Torch Kits

## UV Lamps & Torch Kits continued

Part No	Description	Battery	Part No	Description	12v
41-0080A	Invictalux® Led UV Torch		41-0023A	<i>Elke</i> 100w UV Lamp	



Invictalux® 3W (eq to 50W approx) single chip LED UV400 SuperBright leak tracer torch with new reflector head design and switch mechanism. UV Extra-Glo glasses and 2 x AA batteries included.



Elke 100W fixed head UV lamp with crocodile clips to attach directly to a 12v battery. UV glasses and Carry case. Glasses also available separately (41-0008).

Part No	Description	Rechargeable	Part No	Description	Rechargeable
41-0037B	<i>Elke</i> Rechargeable UV Torch		41-0080B	Rechargeable UV Torch	



Elke high intensity 3W (eq to 50W approx) single chip LED rechargeable torch. Detects and locates refrigerant leaks. Adjustable beam pattern. Li-ion rechargeable battery & charger included. Includes UV glasses. Glasses also available separately (41-0008).



Primalec high intensity 3W (eq to 50W approx) rechargeable torch. UV365 LED + reflector. Up to 25,000  $\mu$ W @ 38cm. 3cm spot @ 38cm. Li-ion rechargeable battery & charger included. Approximately 3-5 hrs run time. Extra-Glo glasses included.

## PPE & Leak Detection Consumables

Part No

41-0074



F-Gas Approved Gloves & Eye Protection Goggles.

Required for working with automotive refrigerants. Goggles are indirectly vented. EN 388/374 F-gas Approved.

Part No

41-0008



*Elke* UV Glasses.

Replacement Yellow UV Protective Safety Glasses.

Part No

41-0061L

41-0061XL



Nitrile® Heavy Duty Black Disposable Textured Gloves. Available in large or extra large

Part No

41-0053A



*Elke* UV Dye Cleaner. 400ml Pressurised can version. A quick and effective way of removing UV dye once a leak has been located and repaired.

Part No

41-0053



UV Dye Cleaner. 120ml Pump action environmentally safe & effective way of removing UV dye once a leak has been located and repaired.

Part No

41-0103A

41-0103C



41-0103A Spare tip sensor. For refrigerant sniffers 41-0103 and 41-0117



41-0103C Spare tip sensor. For refrigerant sniffer 41-0077

41-0103B



Spare Tip Sensor Cover. For use with refrigerant sniffer models 41-0103 and 41-0117.

# Refrigerant Sniffers

## Refrigerant Sniffers

Part No	Description	R134a	Part No	Description	HFO1234YF	R134a
41-0005	Tekmate® Leak Sniffer/Detector		41-0103	<i>Elke</i> Leak Sniffer/Detector		



Electronic. Tests **R134a**.  
 Battery Powered.  
 Batteries included.  
 (Spare tip available 41-0005A)



Tests **HFO1234YF**, **R134a**, R12, R404a, R407c,  
 R-410a, R22 etc..  
 Warm up time 45s. Batteries included.  
 (See page 19 for spare tip sensor 41-0103A)  
 (See page 19 for spare tip sensor cover 41-0103B)

Part No	Description	R134a
41-0060	Mastercool® 2 in 1 Sniffer with <u>Built in UV Light</u>	



This revolutionary new design allows the user to perform Electronic and UV Leak Detection all with one tool. The "INSPECTOR" offers six levels of sensitivity (15 levels of detection) with a tri-colored LED indicator. This allows the "INSPECTOR" to pin-point leaks as small as 1/10 oz (3 grams). The ultra bright UV light is built into the end of the probe allowing easy access into tight areas. Incorporating both electronic and UV technology into one unit ensures that even the toughest leaks can be found.

# Refrigerant Sniffers

Part No	Description	HFO1234yf	R134a	Part No	Description	HFO1234yf	R134a
41-0117	<i>Elke</i> Leak Sniffer/Detector		H <sub>2</sub>	41-0110	Mastercool® Leak Sniffer/Detector		



Tests **HFO1234YF**, **R134a**, **Hydrogen**.  
 Will detect **Hydrogen** found in NitroTrace leak detection gas. Nitrotrace leak detection gas is a blend of nitrogen (95%) and hydrogen (5%). Hydrogen is used because it contains the smallest molecules of all gasses and is ideal for finding very small leaks. Nitrogen is 80% of ambient air and cannot be detected electronically hence the addition of detectable hydrogen.  
 Warm up time 5s.  
 Batteries included.  
 (See page 19 for spare tip sensor 41-0103A)  
 (See page 19 for spare tip sensor cover 41-0103B)



The Mastercool® Intellasense battery powered leak detector employs a new metal oxide gas sensor for the detection of chlorofluorocarbon gasses and blends. This sensor is characterised by high sensitivity and a fast response. The detector boasts a progressive LCD with vertical bars corresponding to the magnitude of the detected leak. A powerful microprocessor automatically selects the best operating conditions for the sensor. This ensures optimum performance and is monitored throughout the life of the sensor.  
 Detects all refrigerants (CFC's, HCFC's, & HFC's).  
 Battery life approx 60 hours continuous use.

Part No	Description	CO <sub>2</sub> / R744	Part No	Description	H <sub>2</sub>
41-0118	<i>Elke</i> CO <sub>2</sub> Leak Sniffer/Detector		41-0077	<i>Elke</i> Hydrogen sniffer/Detector	



Electronic tester for quick and effective leak detection in CO<sub>2</sub> R744 systems.  
 Min sensitivity 6g/yr.  
 Warm up time 45s.  
 Average battery life approx 7hrs.  
 Batteries included.



Tests for **Hydrogen** found in NitroTrace leak detection gas. Nitrotrace gas is a blend of nitrogen (95%) and hydrogen (5%). Hydrogen is used because it contains the smallest molecules of all gasses and is ideal for finding very small leaks. Nitrogen is 80% of ambient air and cannot be detected electronically hence the addition of detectable hydrogen.  
 Use with Nitrotrace or any other Nitrogen/Hydrogen testing equipment. Batteries included.  
 See page 19 for spare tip sensor (41-0103C).  
 See page 19 for spare tip sensor cover (41-0103B).

# Refrigerant Identifiers

## Refrigerant Identifiers

Part No	Description	R134a
41-0062	Mini Refrigerant Identifier	

- Portable design
- Pass/Fail -95% pure
- R134a sample hoses
- 12v battery connections
- LED display
- Moulded ABS case
- Weight 800 grams
- SAE J2771 pending

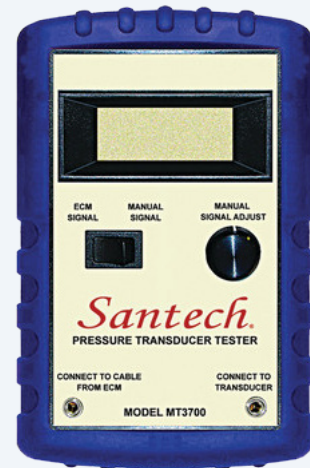
Reliable portable instrument for verifying the quality of **R134a** refrigerants in automotive systems. Easy to understand 'Pass or Fail' indication system that tests if the refrigerant is above or below 95% purity.



Part No	Description
41-0109	Santech® MT3700 Pressure Transducer Tester

- Portable design
- Battery powered
- Moulded ABS case
- LED display

This tester can be placed in-line between the transducer and wiring harness connector. The unit has ECM mode which reads the voltage and manual mode that can change input signals for vehicle operations like A/C, fan clutch or cooling fan operations. It can be used on any transducer using a three wire sensor with a 5V power and reference signal return to the ECM. The kit includes dedicated Chrysler, Ford and GM connectors; and one set of universal leads.



## Refrigerant Identifiers

Part No	Description	HFO1234yf	R134, R12, R22, HC & AIR
41-0062A	Mini Refrigerant Identifier		

- Easy to use with 'PASS' or 'FAIL' LED indication
- 'FAULT' and 'EXCESS AIR' LEDs
- Step by step LED indications of the gas sampling process
- Compact and lightweight design
- Rugged construction and housing
- Hand-held and extremely portable

The new, low cost Mini ID Refrigerant Identifier helps verify the presence and quality of **HFO1234yf** refrigerant in vehicle air conditioning systems thus preventing possible contamination and damage to service and recovery equipment.

The Mini ID delivers fast and accurate refrigerant analysing. It is self contained, compact and comes in an extremely portable and rugged ABS case and is very simple to use.



### Technical Specifications

- Weight: 8.0 lb
- Power requirements: 12-15VDC, Optional battery pack (Internal)
- Output: Digital display and LEDs
- Refrigerant: HFO1234yf, R12, R134a, R22, HC and Air
- Display: 128 x 64 Pixel Graphing
- Resolution: 0.1%
- Operating humidity: 0-95% RH non-condensing
- Operating temperature: 40°F to 130°F
- Warranty: 1 yr.
- Approvals: SAE J1771, CE, UL

Compact and lightweight design

Rugged and tough design

Hand-Held and extremely portable



Easy to use 'PASS' or 'FAIL' result indication

'FAULT' & 'EXCESS AIR' indication

Simple gas Indication while Sampling

# Refrigerant Identifiers & Thermometers

## Refrigerant Identifiers

Part No	Description	HFO1234yf	R134a, R12, R22, HC & AIR
41-0040B	Neutronics® Legend ID Refrigerant Identifier/Analyser		

The Neutronics® Legend ID Refrigerant Analyser takes refrigerant testing to a new level and is designed for use independently or in conjunction with an SAE J2843 or SAE J73030 approved A/C service machine to determine the purity of Gaseous R134a or HFO1234yf refrigerant. With a sealed control panel, large clear LCD colour screen and multiple languages the Neutronics® Legend ID takes refrigerant analysis to a new level. The Neutronics® Legend ID Refrigerant Analyser is the most precise handheld instrument ever manufactured for determining the purity of R134a, HFO1234yf and R12 in the automotive market.



- Quickly and Accurately determines refrigerant purity.
- Displays % purity: **HFO1234yf**, **R134a** and R12.
- Displays %: R-22, Unknown refrigerant, Hydrocarbons.
- Displays AIR % independent of the refrigerant sampled.
- Capable of analyzing R-12 (1/4" flare coupler sold separately).
- Multiple languages: English, German, Spanish, French, Italian, Portuguese, Chinese, Japanese, Korean and Russian.
- Easily prints test results with built in printer.
- Uses standard 2.25" 57mm thermal paper.
- Bluetooth compatible (optional).
- Improved oil resistance with user replaceable hose assembly.
- Full colour graphic LCD with on screen instructions.
- Ultra-fast testing completing in approximately 70 seconds.
- Rechargeable internal lithium battery for cordless operation.
- USB Port for remote updates and Service Machine connection.
- Hard shell storage case for the unit and all its accessories.

## Mastercool® Thermometer

Part No	Description
41-9701	IR801 Digital Thermometer

Infrared.  
50/+550°C.  
Accuracy  
+/-2%.



## Digital Thermometer

Part No	Description
41-9700	Digital Thermometer

With wired probe  
-30/+50°C.  
DC 1.5v



## Digital Pencil Thermometer

Part No	Description
41-9702	Digital Pencil Thermometer

-50/+300°C.  
Accuracy +/- 1°C  
Auto off after  
40mins of no  
operation.



## Smart Test Gauge

Part No	Description	R134a
41-3008A	Smart Test Gauge	

An ideal tester to investigate the quantity of refrigerant gas inside the system.  
(Use with 41-1060C Coupler)





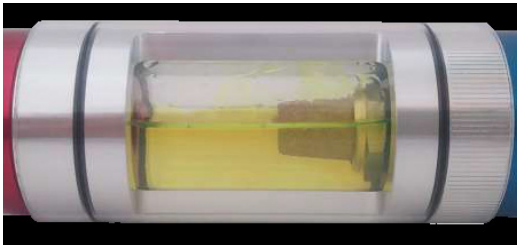
## Diagnostic Sight Glass

Part No	Description
41-0107	Elke® <b>R134a</b> Diagnostic Sight Glass Kit
41-0107A	Elke® <b>HFO1234yf</b> Diagnostic Sight Glass Kit

Ideal to help perform a diagnosis of the system and verify impurities such as humidity, presence of leak-stop, gas and contaminated lubricant. Kit includes 1x Sight Glass®, 2x HP & 1x LP coupler, 1x red and 1x blue 40cm hoses and carry case.



**CLEAN SYSTEM**



**PRESENCE OF UV  
ADDITIVE**



**PRESENCE OF  
IMPURITIES/DEBRIS**



**PRESENCE OF  
HUMIDITY**

# Compressor Diagnostic Tools

## Valtest® Diagnostic Tool

Part No	Description
41-1997	Valtest® 371 Clutch-less Compressor Diagnostic Tool

Effectively diagnose the new generation of electronically controlled A/C Compressors. A must have for any A/C technician.



### Product details:

- Helps diagnose failing A/C systems with electronically controlled compressors.
- Performs a quick and easy to understand analysis of the compressors operation.
- Measures the strength of the electronic control unit signal.
- Measures the functionality of the control valve by determining whether there is a short circuit or open circuit.
- Identifies whether the failure is in the ECU or the compressor.

### Installation:

- Connect the charging station manometers to perform compressor pressure measurements.
- Disconnect the compressor from the ECU.
- Connect the compressor to the Valtest® unit.
- Connect the output of the ECU to the Valtest® unit.

### Tests:

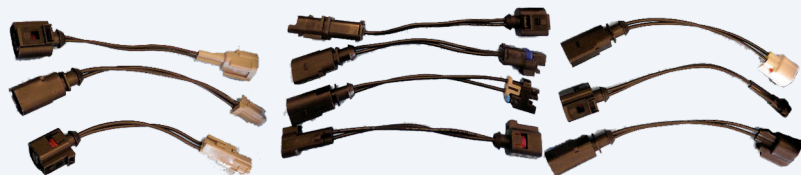
- Turn on the Valtest® and verify the condition of the valve. A short circuit or open circuit will be detected.
- Start the vehicle. Turn on the air-conditioning and then the Valtest® unit. Reduce and increase the signal with the + and - controls to verify the pressure value.

### Test Results:

- If OC/LO is displayed on the Valtest® then the valve must be replaced.
- If the compressor works normally the fault lies within the Electronic Control Unit/ECU.
- If the compressor does not work you need to verify the state of the valve & replace it.
- If the compressor still does not work it will need to be replaced.

### Extra Loom Kit (now included in 2021 onward kits):

Valtest® 371 Adaptor kit included. Provides extra plugs and Connector looms for compressors.



## Cooltest® A/C Diagnostic Tool

Part No	Description
41-1996	Cooltest® 711 Digital Fault Detector for Vehicle A/C Systems



### Cool Test® 711 Product details:

- Saves time troubleshooting vehicle A/C systems.
- Simple to use, does not require extensive training.
- Working Pressure – 30/450 PSI
- Accurate to +/- 1 PSI
- Working temperature 60c
- Displays both low and high pressure reading
- Maximum Pressure 1000 PSI

### Accurately diagnoses the following conditions:

#### With Compressor off:

- Refrigerant leakage
- Lack of refrigerant in system

#### With Compressor on:

- Low compression or no compression
- Clogged expansion valve
- Electric cooling fan not working
- Refrigerant overcharge
- Condenser panel dirty
- Clogged receiver drier
- Low system pressure

### Instructions for connecting to A/C system:

1. Close both valves (Red & Blue) and connect hose to the ports on the coolest A/C Diagnostic Tool.
2. Connect electrical cables to the positive and negative terminals on the vehicle battery, being careful of correct connection.
3. Attach temperature sensor to central air outlet inside the vehicle.

### Checking for gas leakage using a vacuum pump:

- A. Connect the coolest® A/C Diagnostic Tool to the vehicle.
- B. Connect third hose to the central port of the cool test A/C Diagnostic tool and the other end of the vacuum pump.
- C. Wait until the two pressure indicators show 10 PSI. Close the red and blue valves and observe.

# Recycle Guards

## Airsept Recycle Guard®

Part No	Description	HFO1234yf	R134a
41-0016	Recycle Guard®		

A/C system sealants and stop-leak products can disable and seriously damage expensive A/C service equipment.

The Recycle Guard® traps sealant, dye and other contaminants as they leave the HVAC system, preventing service equipment damage.

- Traps stop-leak and seal swelling sealants
- Maintains refrigerant flow
- Easy drain and replaceable filters for long life



41-0016A  
Replacement filter for 41-0016



## Airsept Recycle Guard®

Part No	Description	HFO1234yf	R134a
41-0120	Dual Automatic Recycle Guard®		

A/C system sealants and stop-leak products can disable and seriously damage expensive A/C service equipment.

The Recycle Guard traps sealant, dye and other contaminants as they leave the HVAC system, preventing service equipment damage. The unit automatically switches from recover to recharge, allowing use of fully automatic A/C machines.

- No technician input required - switches automatically from recover to recharge.
- One unit recovers from both High and Low sides simultaneously.
- Traps Metal shavings, desiccant particles and other harmful debris that you will rarely know in advance is contained in a vehicles system.
- Maintains refrigerant flow.



# Sealant Detectors & A/C Inspector

## Neutronics® Sealant Detector

Part No	Description	R134a
41-0017	Neutronics Quick Detect®	

The Quick Detect® is designed to detect the presence of harmful Type II sealants at the high side service port of the A/C system.

The Quick Detect® uses disposable cartridges in conjunction with flow measurement to determine the presence of active sealant.

Quick Detect® is designed to mimic an A/C leak. If sealant is present in the system, it will quickly solidify in the disposable test cartridge and cause the flow meter to show "no flow".

Can be used for **HFO1234yf** if 41-1065 & 41-1061 are also purchased



41-0017A  
Replacement tips for 41-0017



## CPS® A/C System Performance Inspector

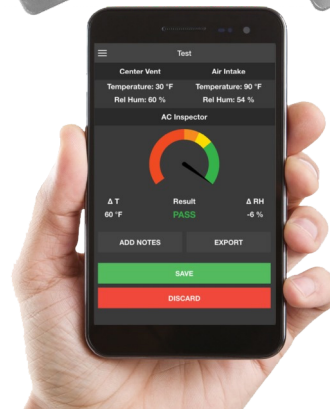
Part No	Description
41-1994	CPS® Car Smart A/C Inspector

The CarSmart A/C Inspector from CPS® Products Inc. is designed to provide quick and easy non-invasive A/C system performance analysis.

Simply attach the red clip outside to the front of the grill near the condenser and the blue clip to the centre cabin vent inside and you are ready to go.

In two minutes the CarSmart A/C Inspector (TACI100) compares outside humidity and temperature of the air from the A/C vent to determine whether the A/C system is operating within original equipment manufacturer specifications.

The information can be displayed on any smart phone through a CPS Link.



\*\*\*\*Phone not included\*\*\*\*

# Flushing Kits & Machines

## Flushing Kits

Part No	Description
41-50014	<i>Elke</i> Flushing Kit with Adaptors

Kit includes:

- 1 x flushing canister and gun.  
(Also available separately 41-50014A).
- 1 x container for used flush.
- 1 x storage box.
- 1 x yellow flex hose.
- 2 x flushing adaptors  
(Also available separately 41-1005).
- Requires flushing fluid (sold separately).
- **If using for Hybrid or Electric vehicles please consult manufacturer's guidelines.**



Part No	Description
41-50020	<i>Elke</i> Nitrogen Flushing Kit

Kit includes:

- 1 x flush canister and gun.  
(Also available separately 41-50014A).
- 1 x yellow flex hose.
- 1 x nitrogen cylinder.  
(Also available separately 41-50019).
- 1 x pressure regulator for 1ltr cylinder.
- 1 x self contained storage cage.
- **If using for Hybrid or Electric vehicles please consult manufacturer's guidelines.**



Part No	Description
41-50014B	Errecom Easy Flush® Machine 240V

Kit includes:

- Power supply: 230/240V 50/60Hz.
- 20ltr internal storage tank.
- 1 Pump capacity: 14 ltr/min.
- Max pump power/pressure: 0.75Kw/0.45 MPa
- Mechanical seal pump with EPDM gaskets.
- Mechanical inlet filter.
- Fast connection for external nitrogen cartridge.
- Clear external controls for reversing flush cycle without disconnecting hoses.
- 3m flexible hoses with 1/4 SAE ball valves.
- Adaptor kit for connecting to A/C systems.
- Interchangeable connections:  
1/4 SAE-3/8 SAE-1/2 SAE (2pcs Each)
- Weight 20Kg. Integrated cart.
- For use with Non Flammable flushing fluid only (41-50015)
- **If using for Hybrid or Electric vehicles please consult manufacturer's guidelines.**



## Flushing Equipment & Fluids

Part No	Description
---------	-------------

41-50015A *Elke* Flushing Fluid (Flammable)

Evaporates very fast.  
Removes all oil residuals,  
rust, damp and waste.  
For all systems.  
**\*If using for Hybrid  
Or Electric vehicles  
please consult  
manufacturer's  
guidelines.**



1ltr

Part No	Description
---------	-------------

41-50015 *Elke* Flushing Fluid (Non-Flammable)

Removes all oil  
residuals, rust,  
damp and waste.  
For all systems.  
**\*If using for Hybrid  
or Electric vehicles  
please consult  
manufacturer's  
guidelines.**



5ltr

Part No	Description
---------	-------------

41-50018 *Elke* Flushing Fluid (Flammable)

Evaporates very  
fast. Removes  
all oil residuals,  
rust, damp and waste.  
For all systems.  
**\*If using for Hybrid  
Or Electric vehicles  
please consult  
manufacturer's  
guidelines.**



5ltr

Part No	Description
---------	-------------

41-50014A *Elke* Flush Canister with Gun

See 41-50014 &  
41-50020 for  
full kits. Flush  
canister is designed  
to be connected  
to OFN  
and filled  
with flushing fluid.  
Flushing fluid  
available separately.



Part No	Description
---------	-------------

41-50017 *Elke* Flush Spray

Perfect for flushing  
small refrigerant  
systems.  
Canister is able to  
maintain a  
pressure of 6 bar.  
(41-0016 flush  
gun also required)



600ml

Part No	Description
---------	-------------

41-50016 *Elke* Flush Gun



With re-usable hose and adaptor.  
(Use with flush 41-50017)

Part No	Description
---------	-------------

41-50019 *Elke* Replacement Nitrogen Cylinder



For use with Nitrogen flushing kit 41-50020

1ltr

Part No	Description
---------	-------------

41-50013 Flush/OFN Leak Gauge Adaptor

Spare adaptor for  
use with 50014A &  
44-93025A/C/B.  
Thread ¼MF x ¼ NPT



Part No	Description
---------	-------------

41-1005 Flush Adaptor Clamps

Approx 4 adaptor  
plates and  
2 bungs per unit.



# Sanitising Sprays & Bombs

## Sanitising Bombs & Sprays

Part No	Type	Part No	Qty	Part No	Qty	Part No	Type
42-140505	Lavender 200ml	42-140502A	400ml	42-140502	250ml	42-0111	Freshwater 250ml
42-140505V	Vanilla 200ml	42-140502B	50ml			42-0112	Mint 250ml
42-140505P	Pine 200ml					42-0113	Vanilla 250ml
42-140505S	Mint 100ml						



### Elke Sanitising Bomb

One shot application. The can is designed to be left in the foot-well while the air-conditioning is running to cleanse and eliminate odours.



### Elke Sanitising Spray

Sanitising spray aerosol that is designed to be sprayed in behind the pollen filter while the blower motor is activated and vents opened. Removes and eliminates bad smells.



### Airco® Breeze Pro

The original Air-con sanitising spray. Supplied with a tube to reach into the evaporator chamber and sanitise the vehicle interior. Removes harmful bacteria & bad smells. Neutral odour. Approx 3x applications.



### Airco® Refresh Total

A single treatment aerosol that eliminates odours and sanitises the vehicle interior, including evaporator and air ducts. Designed to be placed in the foot well, fan switched to half speed & activated.

## Multi-Use Cleaning kit

Part No	Part No	Part No
41-0207	41-0208	41-0209



### Elke Multi-Use Dispenser

Re-useable dispenser for use with Multi-Use cleaning spray cans 41-0208 and 41-0209. This product is better for the environment compared to a conventional one use-can as it can be switched on and off as required and used multiple times. Instructions for use: Close windows. Turn on A/C in recirculation mode. Place can. Turn the tap counter clockwise to start. Leave product to nebulize automatically. Turn tap clockwise to finish.



200ml

### Elke Multi-Use Spray

Lavender scented cleaning spray that evaporates quickly leaving no foam, halos or residue. Suitable for treating air conditioning systems for both civil and industrial use. \*Requires 41-0207 Multi-use dispenser.



400ml

### Elke Multi-Use Spray

Lavender scented cleaning spray that evaporates quickly leaving no foam, halos or residue. Suitable for treating air conditioning systems for both civil and industrial use. \*Requires 41-0207 Multi-use dispenser.



## Ozone / Sanitising Machines

Ozone (chemical formula O<sub>3</sub>) is a colourless gas composed of three oxygen atoms and is the most powerful oxidant in nature. As soon as ozone comes into contact with an organic substance it triggers an oxidation reaction that kills all living micro organisms such as mites, bacteria, moulds, pollen and fungi and acts as a virus in-activator eliminating all forms of bad odour. It can also be generated mechanically as in the case of ozone generators, through oxygen exposure to a high discharge (corona effect).

- Works in minutes. Completely decomposes, transforming itself back into oxygen and leaves no residue.
- Penetrates and does not damage or stain fabrics. Cleans even the most difficult parts to reach.

Part No	Description	Part No	Description
41-0083A	<i>Elke</i> Ultrasonic Ozone Machine v1	41-0083	<i>Elke</i> Ultrasonic Ozone Machine v1

12V/240V.  
Power 40W.  
Oxygen 4000mg/h.  
Size 202x148x150.  
Air volume:  
2.24m<sup>3</sup>/min. 80cfm.  
Weight 2Kg.  
Spare plate available  
41-0083B.



240V/110V.  
Power 35W approx.  
Oxygen 3500mg/h.  
Size 205x175x150.  
Air volume:  
2.0m<sup>3</sup>/min. 80cfm.  
Weight 2Kg.  
Spare plate available  
41-0083B.



**WARNING: Do not use when people and pets are present**

**WARNING: Do not use when people and pets are present**

Part No	Description	Part No	Description
41-0203	<i>Elke</i> Ultrasonic Ozone Machine v2	41-0204	<i>Elke</i> Ultrasonic Ozone Machine v2

240V/110V.  
Power 85W.  
Oxygen 7000mg/h.  
Size 220x170x160.  
Air volume:  
3m<sup>3</sup>/min. 106cfm.  
Weight 2.4Kg.  
Spare plate available  
41-0083B.



12/240V/110V.  
Power 40W.  
Oxygen 4000mg/h  
Size 202x148x150.  
Air volume:  
2.24m<sup>3</sup>/min 80cfm.  
Weight 2Kg.  
Spare plate available  
41-0083B.



**WARNING: Do not use when people and pets are present**

**WARNING: Do not use when people and pets are present**

Part No	Description	Part No	Description
41-0111	<i>Elke</i> Nephos <sup>®</sup> Sanitising Machine	41-0112	<i>Elke</i> Nephos <sup>®</sup> Lavender Fragrance
		41-0113	<i>Elke</i> Nephos <sup>®</sup> Musk Fragrance
		41-0114	<i>Elke</i> Nephos <sup>®</sup> Pine Fragrance

Ultrasonic technology assures effective and totally safe treatment. A major advantage of this system is that the generated fine mist spray particles do not settle on surfaces. 240V. Size 130x63x90. Weight 0.3Kg. Atomised liquid approx 120ml/h.



Box of 24  
30ml Refreshing  
liquid Refills available  
in Lavender, Musk  
& Pine. suitable  
For use with  
*Elke*<sup>®</sup>  
Nephos  
machines.



# Leak Stop & Leak Locating Fluids

## Leak Stop & Leak Detection Fluids

Part No	Description	R134a
41-0002	Airco Seal Pro® Air Con Sealer	

Pressurised can that permanently stops micro leaks in both metal and elastomeric parts in automotive A/C systems.



Great for medium to large vehicles and prevents future leaks developing. Stops small leaks in R134a systems. 1 can treats 1 car.

Part No	Description	R134a
41-2031	Elke Leak Stop Syringe	



Single use leak stop. 30ml. (Use with part no. 42-0014 below).

Part No	Description
42-0014	Hose & Quick Coupler



Hose with R134a coupler for syringe 42-2031.

Part No	Description
41-1117	Elke Bubble Leak Locator

Assists in finding leaks by visibly bubbling. For use on all pressurised A/C systems. 1ltr

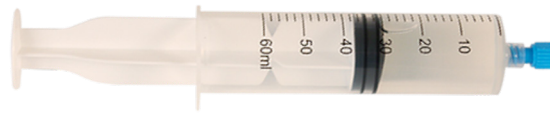


Part No	Description	R134a
41-0002A	Elke A/C Sealer	
41-0002B	Elke A/C Sealer	HFO1234yf

Unpressurised can That stops small micro leaks (approx 3 weeks from charge to discharge) in A/C systems. 1 can treats 1 car. Permanently stops micro leaks in both metal and elastomeric parts in automotive A/C systems.



Part No	Description	HFO1234yf
42-0015	Elke Leak Stop Syringe	



Single use leak stop. 30ml. (Use with part no. 42-0014B below).

Part No	Description
42-0014B	Hose & Quick Coupler



Hose with HFO1234yf coupler for syringe 42-0015.

Part No	Description
41-1118	Elke Leak Locator Foam Spray

Assists in finding leaks on all pressurised A/C systems. 400ml



## Performance Enhancers

Part No	Description
41-2009	Acidity Test Kit

The Acidity test is suitable for all lubricants in refrigeration systems. Kit contains two tests.

### How to Use:

- Fill one of the two containers with 10ml of oil.
- Use the pipette to slowly add 0.5ml of determiner while shaking the contents.
- Shake until solution becomes purple.

### Results:

- Low if 0.5ml added.
- Average if 1ml added.
- High if 1.5ml and above.  
Replacement of oil and flush required if above 5.0.



Part No	Description	
41-2006	Power Freeze® Vehicle Air-Con Enhancer (Use with Adaptor below)	
42-0014	Power Freeze® Vehicle Air-Con Enhancer Adaptor (see page 34)	R134a
42-0014B	Power Freeze® Vehicle Air-Con Enhancer Adaptor (see page 34)	HFO1234yf

- Power Freeze® Increases the fluidity of the oil by cleaning the inner surfaces of the A/C pipes. This decreases the friction coefficient and optimises heat exchange which allows the conditioner to operate at maximum efficiency.
- The end result is colder air, reducing the vent temperature by 3°C - 9°C.
- Especially effective with older A/C systems.
- Reduces CO2 emissions.
- Up to 5°C hotter when the air conditioner is in heat-pump mode.
- Hose adaptor for R134a and HFO1234yf sold separately (42-0014 & 42-0014B).



# Manifold Gauges & Gauge Sets

## Manifold Gauge Gauge Sets

Part No	Description	R134a	Part No	Description	R134a
41-3007	Mastercool® 2-way Manifold set		41-3007A	<i>Elke</i> 2-way Manifold Set	

2-way manifold gauge. 1.8m F1/4 yellow, red & blue charge hoses. High and low R134a couplers included. Refrigerant range: R22, R134a, R404a & R407c. Plastic carry case



2-way manifold gauge. 1.8m F1/4 yellow, red & blue charge hoses. High & low R134a couplers. Gauge diameter 80mm. Refrigerant range: R22, R134a, R404a & R407c. Plastic carry case.



Part No	Description	R134a	Part No	Description	R134a
41-3007B	<i>Elke</i> 4-way Manifold Set		41-3007C	Santech® 2-way Manifold set*	

4-way manifold kit includes gauge and 1.8m F1/4 yellow, red & blue charge hoses. High and low R134a couplers. Gauge diameter 80mm. Refrigerant range: R22, R134a, R404a & R407c. Plastic carry case.



2-way manifold kit includes gauge and 1.8m F1/2 ACME yellow, red & blue charge hoses. High and low R134a couplers included. Refrigerant range: R22, R134a, R404a & R407c.



Part No	Desc	HFO1234yf	R134a	Part No	Desc	HFO1234yf	R134a
41-3008C	Mastercool® Mini-fold Set			41-3007D	Errecom 4-way Manifold Set		

Compact 2-way manifold Kit with LCD Digital display. Auto shut off, Refrigerant selection And unit conversion Between Psi, Bar, MPA, kPa, inHg & Kg/cm<sup>2</sup>. Large sight glass. Black anodized block with 1/4 SAE fittings. **Ball valve & Couplers not included.**



4-way manifold Kit includes 68mm gauge with red/blue rubber gauge protectors. F1/4 SAE charge hoses. Plastic carry case. **Couplers not included.**



Part No	Description	HFO1234yf	Part No	Description	HFO1234yf
41-1064	<i>Elke</i> 4-way Manifold Set		41-1063A	Premium 4-way Manifold Set	

4-way manifold kit includes gauge and 1.8m F1/4 yellow, red & blue charge hoses. High and low HFO1234yf couplers included. Plastic carry case.



4-way manifold kit includes gauge and 1.8m F1/4 yellow, red & blue charge hoses. High and low HFO1234yf couplers included.



## Manifold Gauges

Part No	Desc	HFO1234yf	R134a	Part No	Desc	HFO1234yf	R134a
41-1063B	2-way Manifold Gauge			41-1063	4-way Manifold Gauge		

2-way manifold gauge. Gauge diameter 68-80mm. Psi/Bar. 2 x 1/4 SAE hose connections.



4-way manifold gauge. Gauge diameter 68-80mm. Psi/Bar. 4 x 1/4 SAE hose connections.



## Recovery Units & Vacuum Pumps

Part No	Description	HFO1234yf	R134a
48-0006B	<i>Elko</i> Recovery Unit		

Ignition proof, oil-less and air-cooled piston recovery unit for R134a & HFO1234yf refrigerants. Includes yellow hose 1.5m F1/4 SAE 180 x F1/4 SAE 180. Filter supplied with oil separator. Recovery rates: Vapor 0.20 Kg/min & liquid 1.60Kg/min. Size 400 x 250 x 360. Weight 13.5kg. 240V. Spare filter available 58x119 1/4 flare (41-0087).



Part No	Description	HFO1234yf
48-0006	CPS® TRS21E Recovery Unit	

Ignition proof. For use on refrigerant systems utilizing class A1, R32, R1234yf & R1234ze. Maintenance free oil-less compressor. Permanently lubricated with sealed main bearings. Improved piston seal design for less leakage and deeper vacuums. High pressure cut-off switch with LED indicator. Cleanable mesh inlet filter. Fastest recovery rates in its class. Ignition proof ON-OFF switch. Sealed start relay. 240/220V. 3m power cord. Meets ANSI 12:12.01. CE, TUV listed.



# Vacuum Pumps & Recovery Mate®

## Vacuum Pumps & Recovery Mate®

Part No	Description
48-0002	Mastercool® Vacuum Pump



2 Stage. Vacuum 15 Microns.  
 Air displacement: 71 l/min. 3.0cfm.  
 Intake fittings: 1/4, 3/8 SAE & 1/2 ACME.  
 Oil capacity: 280ml.  
 Size: 280 x 122 x 220.  
 Weight 7kg.

Part No	Description
48-0002B	<i>Elke</i> Vacuum Pump



2 Stage. Vacuum 25Microns/0.003 mbar.  
 Air displacement: 70 l/min. 2.5cfm.  
 Intake fittings: 1/4 Flare.  
 Oil capacity: 280ml.  
 Size: 320 x 160 x 240.  
 Weight: 9.3kg.

Part No	Description
48-0001A	Mastercool Recovery Mate®

Speed up the recovery process!  
 Remove unwanted moisture and separate oil from recovered refrigerant. (Use with any recovery machine).  
 High-performance dryer eliminates moisture from refrigerant.  
 Extra large sight glass monitors refrigerant flow & changes colour when dryer change is necessary.  
 Supplied in a rugged case.



## Charging and Recovery Equipment & Fluids

**Part No**

41-3038



Recovery Cylinder.  
10 kg capacity, 1/4" Fitting.  
Max pressure 46.5 bar.  
Weight 8KG.

**Part No**

41-1004



TIF9010A Portable Scales.  
50kg max. Supplied in a sturdy plastic carry case. Ideal for mobile engineers.

**Part No**

41-1135



Metal Hand Turn Oil/Dye Injector.  
1/2" ACME hose connection.  
60ml capacity

**Part No**

41-1136



Metal Hand Turn Oil/Dye Injector.  
1/4" BSP hose connection.  
60ml capacity.

**Part No**

41-1004A



Supplied in a case  
*Elke*  
Electronic Scales.  
100kg max. Accuracy 0.5%+/- of value. Resolution 10g. Ideal for mobile engineers.

**Part No**

41-3003



Heater Blanket.  
For use on refrigerant bottles.

**Part No**

**R134a**

41-1138



*Elke*  
HD Metal Hand Turn Injector.  
Injects oil/dye with R134a low side quick coupler. Approx 30ml capacity

**Part No**

**R134a**

41-1139



*Elke*  
Budget Plastic Syringe Dye Injector.  
All-in-one with low side R134a plastic coupler. 60ml Capacity.

**Part No**

41-0004A



*Elke*  
Universal Vacuum Oil. 500ml  
For all brands of vacuum pumps. Contains inhibitors/conditioners for better wear protection.

**Part No**

41-0004



*Elke*  
Universal Vacuum Oil. 1Ltr  
For all brands of vacuum pumps. Contains inhibitors/conditioners for better wear protection.

**Part No**

**HFO1234yf**

41-1160

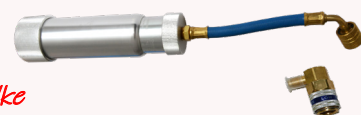


*Elke*  
HD Metal Hand Turn Injector.  
Oil/dye with low side HFO1234yf quick coupler. Approx 30ml capacity

**Part No**

**R134a**

41-1161



*Elke*  
HD Metal Hand Turn Injector.  
Injects oil/dye with low side R134a quick coupler. Swivel 45° hose connection for hard to reach service ports. 60ml capacity.

# OFN & Nitrotrace Kits

## R134a OFN Gauge Sets

Part No	Description	R134a	Part No	Description	HFO1234yf
44-93025A	10 Bar OFN Set		44-93025D	10 Bar OFN Set	



Kit Includes:

- 10 Bar gauge/pressure regulator (44-93025C)
- Hose to gauge adaptor (41-50013)
- Blue 1/4" SAE charge hose (42-9260)
- Low side snap seal coupler (41-1060C)



Kit Includes:

- 10 Bar gauge/pressure regulator (44-93025C)
- Hose to gauge adaptor (41-50013)
- Blue 1/4" SAE charge hose (42-9260)
- Low side snap seal coupler (41-1061)
- Adaptor (41-1065)

## OFN Gauges & Adaptors

Part No	Description	Part No	Description
44-93025C	10 Bar OFN Gauge	44-93025B	50 Bar OFN Gauge

For 5ltr nitrogen cylinders with 1/4" SAE hose connection.



For 5ltr nitrogen cylinders with 1/4" SAE hose connection.



(50 Bar gauge shows 100bar)

41-1060	1/4 SAE Low Side Quick Coupler	42-9260	Low Side Charging Hose
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Manual with tap. R134a

\*For a HFO1234yf system you will require a 41-1061 low side coupler and a 41-1065 adaptor.



Blue 1.8m (72") F1/4 SAE° x F1/4 SAE 45°.



## Nitro Trace® Leak Testing consumables

Part No	Description
41-0076	Nitro Trace® Gas 1ltr Replacement Cylinder
41-0076A	Nitro Trace® Gas 2.2ltr Replacement Cylinder

Portable Nitro trace® cylinder.

- A mix of nitrogen and hydrogen gas.



41-0076



41-0076A



## Nitro Trace® Hydrogen/Nitrogen Leak Testing Kit

Part No	Description	HFO1234yf	R134a
41-0078A	Nitro Trace® 1ltr Kit		

### Kit Includes:

- H2 leak detector (41-0077).  
(Spare tip sensor also available (41-0103C).
- High pressure N2 regulator (44-93025B).
- Yellow hose and gauge (42-0103).
- 90 cm hose with fitting.
- N2 pressure testing gauge.
- Includes **R134a** and **HFO1234yf** coupler.
- Portable 1ltr Nitro Trace® cylinder.  
A mix of nitrogen and hydrogen gas (41-0076).
- Supplied in a sturdy carry case.



## Nitro Trace® Hydrogen/Nitrogen Leak Testing Kit

Part No	Description	HFO1234yf	R134a
41-0078B	Nitro Trace® 2.2ltr Kit		

### Kit Includes:

- H2 leak detector (41-0077).  
(Spare tip sensor also available (41-0103C).
- High pressure N2 regulator (44-93025B).
- Yellow hose and gauge (42-0103).
- 90 cm hose with fitting.
- N2 pressure testing gauge.
- Includes **R134a** and **HFO1234yf** coupler.
- Portable 2.2ltr Nitro Trace® cylinder.  
A mix of nitrogen and hydrogen gas (41-0076A).
- Supplied in a sturdy carry case.



# R134a Couplers & Hoses

## Snap Couplers & Extensions

Part No	R134a	Part No	R134a	Part No	R134a
41-1059		41-1060		41-1059A	



1/4 SAE High Side Manual Coupler with Tap.



1/4 SAE Low Side Manual Coupler with Tap.



M14 Premium Quality High Side Manual Coupler.

Part No	R134a	Part No	R134a	Part No	R134a
41-1060A		41-1059B		41-1060B	



M14 Premium Quality Low Side Manual Coupler.



3/8 SAE High Side Manual Coupler.



3/8 SAE Low Side Manual Coupler.

Part No	R134a	Part No	R134a	Part No	R134a
41-1059C		41-1060C		41-1059D	



M14 Budget High Side Manual Coupler.  
Includes adaptor (44-AAG1014) M14 x M1/4 SAE.



M14 Budget Low Side Manual Coupler.  
Includes adaptor (44-AAG1014) M14 x M1/4 SAE.

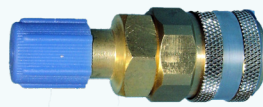


1/4 Eco High Side Manual Straight Quick Coupler.

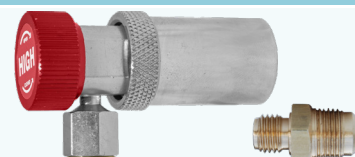
Part No	R134a	Part No	R134a	Part No	R134a
41-1060D		41-0027		41-0057A	



1/4 Eco Low Side Manual Straight Quick Coupler.



High Side to Low Side Straight Adaptor.  
For Renault applications.

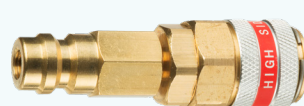


M14 High Side Extension Coupler with 1/4 adaptor.  
For BMW/Volvo/Ford/Mercedes.

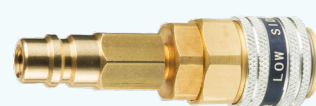
Part No	R134a	Part No	R134a	Part No	R134a
41-0057		41-0057F		41-0057G	



Premium High Side Quick Extension.  
Extra long for BMW Volvo/Ford/Mercedes.



Budget High Side Quick Extension.  
Extra long for BMW Volvo/Ford/Mercedes.



Budget Low Side Quick Extension.  
Extra long for BMW Volvo/Ford/Mercedes.

# R134a Couplers & Hoses

## R134a Hoses

\*\*All diagram measurements are approximate

### Female 1/4 SAE Hoses

R134a

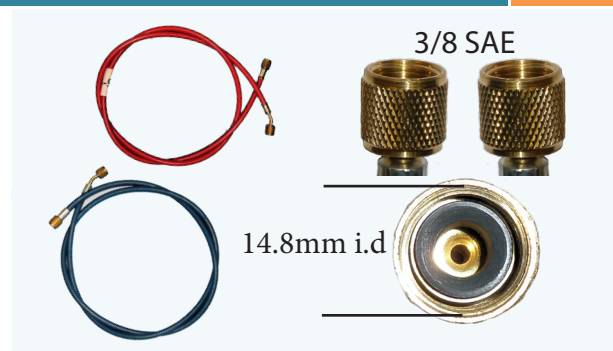
Part No	Size & Colour	Description
42-9196	1.8m	F $\frac{1}{4}$ SAE180° to F $\frac{1}{4}$ SAE45°
42-9260	1.8m	F $\frac{1}{4}$ SAE180° to F $\frac{1}{4}$ SAE45°
42-9295	1.8m	F $\frac{1}{4}$ SAE180° to F $\frac{1}{4}$ SAE45°
42-9196E	3.0m	F $\frac{1}{4}$ SAE180° to F $\frac{1}{4}$ SAE45°
42-9260E	3.0m	F $\frac{1}{4}$ SAE180° to F $\frac{1}{4}$ SAE45°
42-9196A	4.0m	F $\frac{1}{4}$ SAE180° to F $\frac{1}{4}$ SAE45°
42-9260A	4.0m	F $\frac{1}{4}$ SAE180° to F $\frac{1}{4}$ SAE45°



### Female 3/8 SAE Hoses

R134a

Part No	Size & Colour	Description
44-9000	1.8m	F $\frac{3}{8}$ SAE180° to F $\frac{3}{8}$ SAE180°
44-9001	1.8m	F $\frac{3}{8}$ SAE180° to F $\frac{3}{8}$ SAE180°
44-9000A	3.0m	F $\frac{3}{8}$ SAE180° to F $\frac{3}{8}$ SAE45°
44-9001A	3.0m	F $\frac{3}{8}$ SAE180° to F $\frac{3}{8}$ SAE45°



### Female 1/2 ACME to M14 Hoses

R134a

Part No	Size & Colour	Description
41-1101	1.8m	F $\frac{1}{2}$ ACME180° to M14 180°
41-1100	1.8m	F $\frac{1}{2}$ ACME180° to M14 180°
42-9196B	2.5m	F $\frac{1}{2}$ ACME180° to M14 180°
42-9260B	2.5m	F $\frac{1}{2}$ ACME180° to M14 180°
41-1101A	4.0m	F $\frac{1}{2}$ ACME180° to M14 180°
41-1100A	4.0m	F $\frac{1}{2}$ ACME180° to M14 180°



### Female 1/2 ACME Hose

R134a

Part No	Size & Colour	Description
41-AAG1112	1.8m	F $\frac{1}{2}$ ACME180° to F $\frac{1}{2}$ ACME180°



### Hose Extras

Part No	Description	Qty
42-AAG1002	Replacement Rubber O-ring For 1/4 charging hoses.	Qty 1
44-1020	1/4 Male - 1/4 Male Brass Adaptor.	Qty 1
42-AAG1001	1/4 Female - 1/4 Male Service Shut-Off valve.	Qty 1

# HFO1234YF Couplers & Hoses

## Snap Couplers & Extensions \*\* All diagram measurements are approximate

Part No	HFO1234yf	Part No	HFO1234yf	Part No	HFO1234yf
41-1062		41-1061		41-1061A	



Budget High Side M12 Quick Coupler.

Use 41-1065 to adapt this M12 coupler to 3/8 hose.



Budget Low Side M12 Quick Coupler.

Use 41-1065 to adapt this M12 coupler to 3/8 hose.



Premium Low Side M12 Quick Coupler.

Use 41-1065 to adapt this M12 coupler to 3/8 hose.

Part No	HFO1234yf	Part No	HFO1234yf	Part No	HFO1234yf
41-1062A		41-0057B		41-0057C	



Premium High Side M12 Quick Coupler.

Use 41-1065 to adapt this M12 coupler to 3/8 hose.



Premium High Side Port Extension.

Includes M12 adaptor.

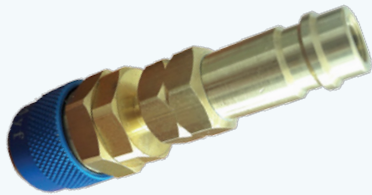


Premium Low Side Port Extension.

Includes M12 adaptor.

## Budget Extension Coupler

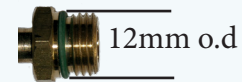
Part No	HFO1234yf
41-0057D	



Budget Low Side Port Extension.

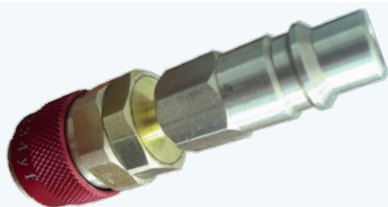
## HFO1234yf Hoses

Part No	Size & Colour	Description	HFO1234yf
42-9161	2.5m	HFO1234yf M12 X F1/4SAE Hose	
42-9162	2.5m	HFO1234yf M12 X F1/4SAE Hose	



## Budget Extension Coupler

Part No	HFO1234yf
41-0057E	



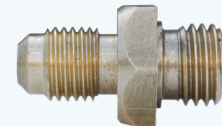
Budget High Side Port Extension.

## HFO1234yf Hose Adaptors

Part No	Part No
41-1066	41-1065



M3/8 SAE X M12x1.5 Adaptor.  
Connects an M12 female HFO1234yf coupler to a R134a 3/8 female hose.



M1/4 SAE X M12x1.5 Adaptor.  
Connects an M12 female HFO1234yf coupler to a R134a 1/4 female hose.

# Retro Fit Adaptors & CO<sub>2</sub> Couplers

## Retro Adaptors

Part No	R134a	Part No	R134a	Part No	R134a
41-1132		41-1130		41-1129	
<p>1/4 High Side Adaptor. For converting R12 to R134a. Can also be used as a bottle adaptor on 1/4 R134a applications.</p>		<p>1/4 Low Side Adaptor. For converting R12 to R134a. Can also be used as a bottle adaptor on 1/4 R134a applications.</p>		<p>1/4 High Side 90° Adaptor. For converting R12 to R134a.</p>	
Part No	R134a	Part No	R134a	Part No	R134a
41-1131		41-1133		41-1134	
<p>1/4 Low Side 90° Adaptor. For converting R12 to R134a</p>		<p>3/16 High Side Adaptor. For converting R12 to R134a. Application mainly for some import vehicles.</p>		<p>3/16 High side 90° Adaptor. For Converting R12 to R134a. For application on some import vehicles.</p>	
Part No	R134a	Part No	R134a	Part No	R134a
41-AAG1100		41-AAG1101		41-AAG9987	
<p>High Side M12 x 1.25 Screw-in Charge Port. For Ford, GM and Chrysler.</p>		<p>Jaguar/Ford Low Side Valve/Service Port Adaptor M10 x 1.25.</p>		<p>Jaguar/Rover High Side Valve/Service Port M15 x 1.0. 41-AAG9888</p>	
					
				<p>Jaguar/Rover Low Side Valve/Service Port M13 x 1.0.</p>	

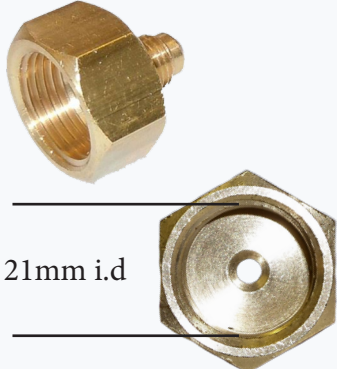
## CO<sub>2</sub> R744 Snap Couplers

Part No	Size	CO <sub>2</sub>	Part No	Size	CO <sub>2</sub>
41-1054	High		41-1055	Low	
<p>High-Side Quick Coupler for CO<sub>2</sub> Systems.</p>			<p>Low-Side Quick Coupler for CO<sub>2</sub> Systems.</p>		

# Gas Bottle Adaptors

## Gas Bottle Adaptors

**Part No** **BOC**  
41-1014



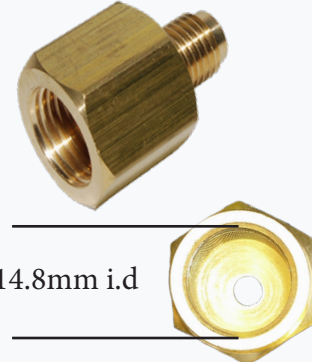
BOC Gas Bottle Adaptor  
1/4" Male to 3/4" female.  
Supplied with fibre washer

**Part No** **R134a**  
41-1027



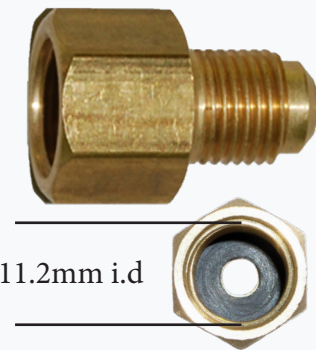
Gas Bottle Adaptor  
3/8" male to 1/4" female SAE

**Part No** **R134a**  
41-1028



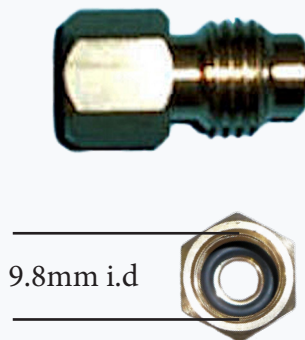
Gas Bottle Adaptor  
1/4" male to 3/8" female SAE

**Part No** **R134a**  
44-AAG1013



Gas Bottle Adaptor  
1/4" male to 1/2" female ACME

**Part No** **R134a**  
44-AAG1012



Gas Bottle Adaptor  
1/2" Male ACME to 1/4" female

**Part No** **R134a**  
41-1130



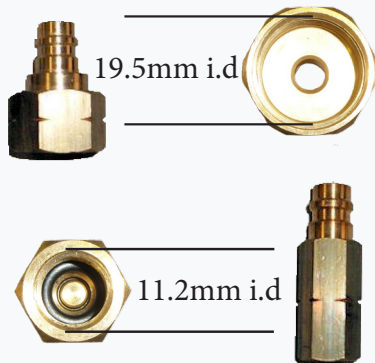
Low Side Bottle Adaptor  
Female 1/4"

41-1132



High Side Bottle Adaptor  
Female 1/4"

**Part No** **HFO1234yf**  
44-3017



Low Side Bottle Adaptors.  
For DuPont and Honeywell gas  
bottles (LH Thread)

**Part No** **HFO1234yf**  
44-3018



High Side Bottle Adaptors.  
For DuPont and Honeywell gas  
bottles (LH Thread)

**Part No** **HFO1234yf**  
44-3019



Low Side Bottle Adaptor  
DuPont & Honeywell (LH Thread)  
Fits gas bottles from July 2015













44-3020







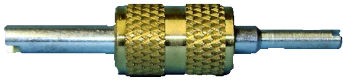


High Side Bottle Adaptor  
DuPont & Honeywell (LH Thread)  
Fits gas bottles from July 2015

# Valve Core Kits & Removal Tools

## Valve Core Kits & Valve Core Removal Tools

Part No	Description	HFO1234yf	R134a
41-1009A	<i>Elke</i> 76 Piece Valve Core Kit (Kit Quantities shown below. Parts also sold individually)		
 41-1019 Length 19mm Diameter 5.12mm (standard for many applications) Kit Qty 20	 41-5383A M8 Neoprene seal. Length 21.5mm Diameter 7.8mm Kit Qty 10	 41-5383 JRA import M6. Length 20mm Diameter 7.0mm Kit Qty 5	 41-5384 Length 18.7mm Diameter 6.0mm (GM, porsche. Gold with black band) Kit Qty 5
 41-5385 Length 21.8mm Diameter 8.0mm (black band) Kit Qty 5	 41-5386 Length 22.1mm Diameter 9.8mm Kit Qty 5	 41-5387 Length 18.35mm Diameter 5.1mm (Renault) Kit Qty 5	 41-5388 Length 27.15mm Diameter 7.8mm (BMW, Mini, Rover, Mercedes, Audi, VW.) Kit Qty 5
 41-5389 Length 18.5mm Diameter 6.5mm (Kia, Hyundai. Gold with black band) Kit Qty 5	 41-5390 Length 19.0mm Diameter 5.12mm (Standard Schrader) Kit Qty 5	 41-5391 Length 21.8mm Diameter 8.0mm (Dark red band) Kit Qty 3	 41-5392 Length 22.1mm Diameter 9.8mm (2 Dark red bands) Kit Qty 3

Part No	Description	R134a
41-1009	<i>Elke</i> 51 Piece Valve Core Kit (Parts also sold individually)	
 41-1019 Length 19mm Diameter 5.12mm (standard for many applications) Kit Qty 20	 41-5383A M8 Neoprene seal. Length 21.5mm Diameter 7.8mm Kit Qty 10	 41-5383 JRA import M6. Length 20mm Diameter 7.0mm Kit Qty 5
 41-5384 Length 18.7mm Diameter 6.0mm (GM, porsche. Gold with black band) Kit Qty 5	 41-5385 Length 21.8mm Diameter 8.0mm (black band) Kit Qty 5	 41-5386 Length 22.1mm Diameter 9.8mm Kit Qty 5
41-AAG1182 Schrader valve core removal tool		 Kit Qty 1

Part No	HFO1234yf	R134a	Part No	HFO1234yf	R134a	Part No	R134a
41-AAG1182			41-1183			41-1184	
 Schrader Valve Removal Tool			 Long Stem Schrader Valve Removal Tool			 Schrader Valve Removal Tool Change valve cores without the removal of R134a refrigerant.	

# 604 Piece Maintenance Kit

# Elke



Professional maintenance kit contains, 1x Universal O-ring kit (43-AAG0357), Double O-ring kit (43-0358A), Valve core kit (inc valves, caps and tools), Springlock garter set and tools.

Part No	Description
43-AAG0357A	<i>Elke</i> 604 Piece Maintenance Kit. 4 Trays. (Kit Quantities shown below. Parts also sold individually)

## Tray 1

<b>41-1000</b>  11.21mm o.d 7.65mm i.d 1.78mm Thick Kit Qty 15	<b>41-1002</b>  17.5mm o.d 14.0mm i.d 1.78mm Thick Kit Qty 15	<b>41-1001</b>  14.38mm o.d 10.82mm i.d 1.78mm Thick Kit Qty 15	<b>41-1003</b>  20.73mm o.d 17.17mm i.d 1.78mm Thick Kit Qty 15	<b>41-1201</b>  15.3mm o.d 10.3mm i.d 2.5mm Thick Kit Qty 15	<b>41-1202</b>  9.14mm o.d 6.34mm i.d 1.4mm Thick Kit Qty 15	<b>41-1203</b>  12.86mm o.d 9.3mm i.d 1.78mm Thick Kit Qty 15	<b>41-1204</b>  7.95mm o.d 4.89mm i.d 1.53mm Thick Kit Qty 15
<b>41-1205</b>  27.0mm o.d 20.4mm i.d 3.5mm Thick Kit Qty 15	<b>41-1206</b>  18.3mm o.d 13.3mm i.d 2.5mm Thick Kit Qty 15	<b>41-1207</b>  25.0mm o.d 20.0mm i.d 2.5mm Thick Kit Qty 15	<b>41-1208</b>  11.8mm o.d 7.8mm i.d 2.0mm Thick Kit Qty 15	<b>41-1209</b>  7.5mm o.d 4.5mm i.d 1.5mm Thick Kit Qty 15	<b>41-1210</b>  11.92mm o.d 8.92mm i.d 1.5mm Thick Kit Qty 15	<b>41-1211</b>  10.36mm o.d 6.8mm i.d 1.78mm Thick Kit Qty 15	<b>41-1212</b>  22.0mm o.d 15.0mm i.d 3.5mm Thick Kit Qty 15
<b>41-1213</b>  14.0mm o.d 9.0mm i.d 2.5mm Thick Kit Qty 15	<b>41-1214</b>  10.9mm o.d 7.5mm i.d 1.7mm Thick Kit Qty 15	<b>41-1215</b>  11.3mm o.d 6.3mm i.d 2.5mm Thick Kit Qty 15	<b>41-1216</b>  10.5mm o.d 6.5mm i.d 2.0mm Thick Kit Qty 15	<b>41-1217</b>  10.8mm o.d 7.5mm i.d 1.65mm Thick Kit Qty 15	<b>41-1218</b>  23.0mm o.d 19.0mm i.d 2.0mm Thick Kit Qty 15	<b>41-1219</b>  23.8mm o.d 18.5mm i.d 2.65mm Thick Kit Qty 15	<b>41-1220</b>  20.7mm o.d 16.7mm i.d 2.0mm Thick Kit Qty 15
<b>41-1221</b>  7.96mm o.d 4.4mm i.d 1.78mm Thick Kit Qty 15	<b>41-1211</b>  10.36mm o.d 6.8mm i.d 1.78mm Thick Kit Qty 15	<b>41-1223</b>  28.5mm o.d 21.5mm i.d 3.5mm Thick Kit Qty 15	<b>41-1221</b>  7.96mm o.d 4.4mm i.d 1.78mm Thick Kit Qty 15	<b>41-1207</b>  25.0mm o.d 20.0mm i.d 2.5mm Thick Kit Qty 15			


















## Tray 2

<b>41-1152</b>  Double lip G8 (Fiat) Kit Qty 5	<b>41-1151</b>  Double lip G6 (Fiat) Kit Qty 5	<b>41-1153</b>  Double lip G10 (Fiat) Kit Qty 5	<b>41-1141</b>  Double lip (Pug/Cit 6460P0) Kit Qty 5
<b>41-1142</b>  Double lip (Pug/Cit 6160P1) Kit Qty 5	<b>41-1143</b>  Double lip (Ren 1-7001207274) Kit Qty 5	<b>41-1144</b>  Double lip (Ren 2-7001207274) Kit Qty 5	<b>41-1162</b>  Double lip (Ren 3-7001207274) Kit Qty 5
<b>41-1111</b>  Brown seal 10.7mm o.d 7.5mm i.d (Daf,Fiat,Ren,Volvo) Kit Qty 3	<b>41-1112</b>  Brown seal 14.3mm o.d 11mm i.d (Daf,Fiat,Ren,Volvo) Kit Qty 3	<b>41-1113</b>  Brown seal 17.3mm o.d 13.8mm i.d (Daf,Fiat,Ren,Volvo) Kit Qty 3	<b>41-1114</b>  Brown seal 20.3mm o.d 17.3mm i.d (Daf,Fiat,Ren,Volvo) Kit Qty 5






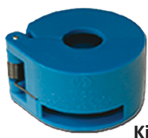








# 604 Piece Maintenance Kit

## Tray 3













<p><b>41-1019</b></p>  <p>Length 19mm Diameter 5.12mm (standard for many applications) <b>Kit Qty 5</b></p>	<p><b>41-5383A</b></p>  <p>M8 Neoprene seal. Length 21.5mm Diameter 7.8mm <b>Kit Qty 5</b></p>	<p><b>41-5384</b></p>  <p>Length 18.7mm Diameter 6.0mm (GM, porsche. Gold with black band) <b>Kit Qty 5</b></p>	<p><b>41-1183</b></p>  <p>Schrader valve core removal tool <b>Kit Qty 1</b></p>		
<p><b>41-AAG9987</b></p>  <p>Jaguar/Rover High side valve/service port M15x1.0 <b>Kit Qty 2</b></p>	<p><b>41-AAG1101</b></p>  <p>Jaguar/Ford Low side valve/service port adaptor M10x1.25 <b>Kit Qty 2</b></p>	<p><b>41-AAG9888</b></p>  <p>Jaguar/Rover Low side valve/service port M13x1.0 <b>Kit Qty 2</b></p>	<p><b>41-AAG1100</b></p>  <p>High side M12 x 1.25 screw in charge port for Ford, GM, Chrysler. <b>Kit Qty 2</b></p>		
<p><b>41-4155</b> <b>Kit Qty 5</b></p>  <p>Low side valve cap M9 x 1.0 R134a</p>	<p><b>41-4156</b> <b>Kit Qty 5</b></p>  <p>High side valve cap M10 x 1.25 R134a</p>	<p><b>41-4155A</b> <b>Kit Qty 5</b></p>  <p>Low side valve cap M8 x 1.5 R134a</p>	<p><b>41-4156A</b> <b>Kit Qty 5</b></p>  <p>High side valve cap M8 x 1.7 R134a</p>	<p><b>41-4161</b> <b>Kit Qty 5</b></p>  <p>Low side valve cap 9.0x1.0mm</p>	<p><b>41-4162</b> <b>Kit Qty 5</b></p>  <p>High side valve cap 10.0x1.25mm</p>
<p><b>41-1057</b></p>  <p>Cap for R12 system 1/4 <b>Kit Qty 5</b></p>	<p><b>41-4158</b></p>  <p>HP Cap M10x1.0 <b>Kit Qty 5</b></p>	<p><b>41-4159</b></p>  <p>LP Cap M8x1.0 <b>Kit Qty 5</b></p>			




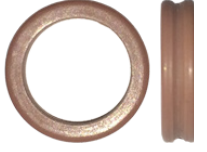








## Tray 4

<p><b>41-0011</b></p>  <p>Springlock coupler G12 (Vauxhall) <b>Kit Qty 1</b></p>	<p><b>41-1250</b></p>  <p>Garter Spring #6 (Chrysler, Ford, Import) <b>Kit Qty 10</b></p>	<p><b>42-6 SPRINGLOCK</b></p>  <p>Springlock coupler G6 (Ford) <b>Kit Qty 1</b></p>
<p><b>41-0012</b></p>  <p>Springlock coupler G10 (Vauxhall) <b>Kit Qty 1</b></p>	<p><b>41-1251</b></p>  <p>Garter Spring #8 (Chrysler, Ford, Import) <b>Kit Qty 10</b></p>	<p><b>42-8 SPRINGLOCK</b></p>  <p>Springlock coupler G8 (Ford) <b>Kit Qty 1</b></p>
<p><b>41-0011</b></p>  <p>Springlock coupler G8 (Vauxhall) <b>Kit Qty 1</b></p>	<p><b>41-1252</b></p>  <p>Garter Spring #10 (Chrysler, Ford, Import) <b>Kit Qty 10</b></p>	<p><b>42-10 SPRINGLOCK</b></p>  <p>Springlock coupler G10 (Ford) <b>Kit Qty 1</b></p>
<p><b>41-0012</b></p>  <p>Springlock coupler G6 (Vauxhall) <b>Kit Qty 1</b></p>	<p><b>41-1253</b></p>  <p>Garter Spring #12 (Chrysler, Ford, Import) <b>Kit Qty 10</b></p>	<p><b>42-12 SPRINGLOCK</b></p>  <p>Springlock coupler G12 (Ford) <b>Kit Qty 1</b></p>

# O-Rings & O-Ring Kits

## O-Ring Kits

Part No	Description		
43-AAG0357B	120 Piece O-Ring Kit (Kit Quantities shown below. Parts also sold individually)		
41-1000	 11.21mm o.d X 7.65mm i.d 1.78mm Thick Kit Qty 10		
41-1002	 17.5mm o.d X 14.0mm i.d 1.78mm Thick Kit Qty 10		
41-1001	 14.38mm o.d X 10.82mm i.d 1.78mm Thick Kit Qty 10		
41-1003	 20.73mm o.d X 17.17mm i.d 1.78mm Thick Kit Qty 10		
 14.86mm o.d X 10.26mm i.d 2.3mm Thick Kit Qty 10	 9.33mm o.d X 6.07mm i.d 1.63mm Thick Kit Qty 10	 12.81mm X 9.25mm i.d 1.78mm Thick Kit Qty 10	 8.3mm o.d X 5.1mm i.d 1.6mm Thick Kit Qty 10
 27.28mm o.d X 20.22mm i.d 3.53mm Thick Kit Qty 10	 24.1mm o.d X 19.18mm i.d 2.46mm Thick Kit Qty 10	 12.0mm o.d X 8.0mm i.d 2.0mm Thick Kit Qty 10	 12.58mm X 8.92mm i.d 1.83mm Thick Kit Qty 10

Part No	Description						
43-0358A	88 Piece Special O-Ring Kit (Kit Quantities shown below. Parts also sold individually)						
41-1152	 Double lip G8 (Fiat) Kit Qty 10	41-1151	 Double lip G6 (Fiat) Kit Qty 10	41-1153	 Double lip G10 (Fiat) Kit Qty 10	41-1141	 Double lip (Pug/Cit 6460P0) Kit Qty 10
41-1142	 Double lip (Pug/Cit 6160P1) Kit Qty 10	41-1143	 Double lip (Ren 1-7001207274) Kit Qty 10	41-1144	 Double lip (Ren 2-7001207274) Kit Qty 10	41-1162	 Double lip (Ren 3-7001207274) Kit Qty 10
41-1111	 10.7mm o.d 7.5mm i.d (Daf,Fiat,Ren,Volvo) Kit Qty 2	41-1112	 14.3mm o.d 11mm i.d (Daf,Fiat,Ren,Volvo) Kit Qty 2	41-1113	 17.3mm o.d 13.8mm i.d (Daf,Fiat,Ren,Volvo) Kit Qty 2	41-1114	 20.3mm o.d 17.3mm i.d (Daf,Fiat,Ren,Volvo) Kit Qty 2

## O-ring Lubricant


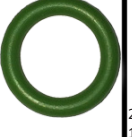






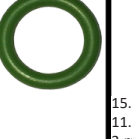
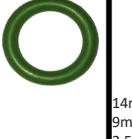
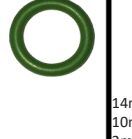







Part No	Description	Qty
41-0003	Silicon Based Lubricant	

Increase life expectancy of O-rings.  
 For use on O-rings, seals & anything that needs to 'slide into place'.



1 Bottle

# O-Rings & O-Ring Kits

Part No	Description					
43-AAG0357	Universal 250 Piece O-Ring Kit (Parts not available individually)					
						
27mm o.d 20mm i.d 3.5mm Thick	24mm o.d 19mm i.d 2.5mm Thick	23mm o.d 19mm i.d 2mm Thick	22mm o.d 17mm i.d 2.5mm Thick	21mm o.d 17mm i.d 2mm Thick	18mm o.d 14mm i.d 2mm Thick	
						
16mm o.d 12mm i.d 2mm Thick	19mm o.d 14mm i.d 2.5mm Thick	16mm o.d 11mm i.d 2.5mm Thick	15.5mm o.d 11.5mm i.d 2mm Thick	14mm o.d 9mm i.d 2.5mm Thick	14mm o.d 10mm i.d 2mm Thick	
						
11.5mm o.d 7.9mm i.d 1.8mm Thick	11mm o.d 7mm i.d 2mm Thick	10mm o.d 6mm i.d 2mm Thick	9mm o.d 5mm i.d 2mm Thick	8mm o.d 4mm i.d 2mm Thick	7.5mm o.d 3.5mm i.d 2mm Thick	


Part No	Description			
43-1000	40 Piece O-Ring & Garter Spring Kit (Parts not available individually)			
				
11.5mm o.d 7.9mm i.d 1.8mm Thick	14mm o.d 10.4mm i.d 1.8mm Thick	18mm o.d 14.4mm i.d 1.8mm Thick	20mm o.d 16.4mm i.d 1.8mm Thick	
#6 COUPLING SEAL Kit Qty 5	#8 COUPLING SEAL Kit Qty 5	#10 COUPLING SEAL Qty 5	#12 COUPLING SEAL Kit Qty 5	
				
20mm o.d 13.4mm i.d 3.3mm Thick	22.4mm o.d 15.8mm i.d 3.3mm Thick	26mm o.d 19.4mm i.d 3.3mm Thick	29.5mm o.d 22.9mm i.d 3.3mm Thick	
#6 COUPLING SPRING Kit Qty 5	#8 COUPLING SPRING Kit Qty 5	#10 COUPLING SPRING Kit Qty 5	#12 COUPLING SPRING Kit Qty 5	

Part No	Description		
41-0025	<i>Elke</i> 24 Piece V5/GM Sealing Washer Kit (Kit Quantities shown below. Parts also sold individually)		
			
41-1106 (88.082) 8mm i.d Sealing washer	41-1108 (88.083) 15mm i.d Sealing washer	41-1107 (88.084) 11mm i.d Sealing washer	
Kit Qty 2	Kit Qty 2	Kit Qty 2	
			
41-1109 (88.085) 17mm (3/4) i.d 25.30mm o.d Sealing washer	41-4023 (88.086) 15.5mm (5/8) i.d Sealing washer	41-4024 (88.091) 17mm (3/4) i.d 31.40mm o.d Sealing washer	
Kit Qty 2	Kit Qty 2	Kit Qty 2	
			
41-4025 (88.089) 14.5mm i.d Yellow Harrison washer	41-4026 (88.087) 14.5mm i.d Black Harrison/GM washer	41-4027 (88.088) 15.5mm (5/8) i.d Green Harrison washer	
Kit Qty 2	Kit Qty 2	Kit Qty 2	
			
41-4028 (88.122) 15.5mm (5/8) i.d Red Harrison sealing washer	41-4029 (88.080) Aluminium pilot. Harrison	41-4030 (88.081) Aluminium pilot. Harrison	
Kit Qty 2	Kit Qty 2	Kit Qty 2	

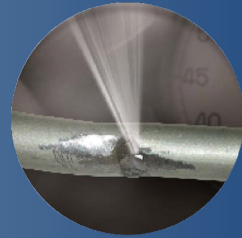
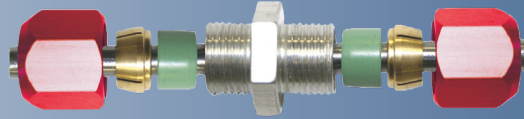
# Service Cap & Valve Core Kits

Part No	Description	HFO1234yf
41-4168	<i>Elke</i> 65 Piece Valve Core & Valve Cap Kit (Kit Quantities shown below. Parts also sold individually)	
41-5390 88.291  Length 19mm Diameter 5.12mm Kit Qty 20	41-5391 88.292  Length 21.8mm Diameter 7.8mm Kit Qty 5	41-5392 88.293  Length 22.1mm Diameter 9.8mm Kit Qty 5
41-5393 88.298  Length 21.5mm Diameter 7.8mm Kit Qty 5	41-5394 88.299  Length 20mm Diameter 7mm Kit Qty 5	
 Kit Qty 5	41-4163 88.230 Short Internal Thread M8 x 1.0 HFO 1234yf Kit Qty 5	 Kit Qty 5
	41-4164 88.231 Long Internal Thread M8 x 1.0 HFO 1234yf Kit Qty 5	 M9 x 1.0 HFO 1234yf Kit Qty 5
 Kit Qty 5	41-4166 88.233 M10 x 0.75 HFO 1234yf Kit Qty 5	 M10 x 1.25 HFO 1234yf Kit Qty 5
		

Part No	Description	R134a & R12
41-5374	<i>Elke</i> 60 Piece Service Valve Cap Kit (Kit Quantities shown below. Parts also sold individually)	
41-1057 (88.093) R12 Service port valve cap 1/4 Kit Qty 5	41-1088 (88.096) R12 Service port valve cap 3/16 Kit Qty 5	41-4155A (88.008) R134a Low side valve cap 15.0 x 8.0mm Kit Qty 5
		41-4156A (88.009) R134a High side valve cap 17 x 8.0mm Kit Qty 5
41-4157 (88.100) R134a Low side valve cap M8 x 1.0 Kit Qty 5	41-4158 (88.099) R134a High side valve cap M10 x 1.0 Kit Qty 5	41-4159 (88.098) R134a Low side valve cap M8 x 1.0 Kit Qty 5
		41-4160 (88.097) R134a High side valve cap M10 x 1.0 Kit Qty 5
41-4161 (88.101) Low side Japanese cap 9.0 x 1.0mm Kit Qty 5	41-4162 (88.102) High side Japanese cap 10.0 x 1.25mm Kit Qty 5	41-4155 (88.094) R134a Low side valve cap M9 x 1.0 Kit Qty 5
		41-4156 (88.095) R134a High side valve cap M10 x 1.25 Kit Qty 5

Part No	Description	R134a & R12
41-5375	<i>Elke</i> 69 Piece Valve Core & Service Cap Kit (Kit Quantities shown below. Parts also sold individually)	
41-1019 88.012 Length 19mm Diameter 5.12mm (standard for many applications) Kit Qty 5	41-5383A 88.022 M8 Neoprene seal. Length 21.5mm Dia- 7.8mm Kit Qty 5	41-5384 88.039 Length 18.7mm Diameter 6.0mm (GM, porsche. Gold with black band) Kit Qty 5
		41-1183 13.051  Schrader valve core removal tool Kit Qty 1
41-AAG9987 88.123 Jaguar/Rover High side valve/service port M15x1.0 Kit Qty 5	41-AAG1101 88.126 Jaguar/Ford Low side valve/service port adaptor M10x1.25 Kit Qty 2	41-AAG9888 88.125 Jaguar/Rover Low side valve/service port M13x1.0 Kit Qty 2
		41-AAG1100 88.128 High side M12 x 1.25 screw in charge port for Ford, GM, Chrysler. Kit Qty 2
41-4155 88.094 Low side valve cap M9 x 1.0 R134a Kit Qty 5	41-4156 88.095 High side valve cap M10 x 1.25 R134a Kit Qty 5	41-4155A 88.008 Low side valve cap M8 x 1.5 R134a Kit Qty 5
		41-4156A 88.009 High side valve cap M8 x 1.7 R134a Kit Qty 5
		41-4161 88.101 Low side valve cap 9.0x1.0mm Kit Qty 5
		41-4162 88.102 High side valve cap 10.0x1.25mm Kit Qty 5
41-1057 88.093 Cap for R12 system 1/4 Kit Qty 5	41-4158 88.099 HP Cap M10x1.0 Kit Qty 5	41-4159 88.098 Cap for R12 system M8x1.0 Kit Qty 5

# SPLICE-LOK



## Airsplice® Line Repair

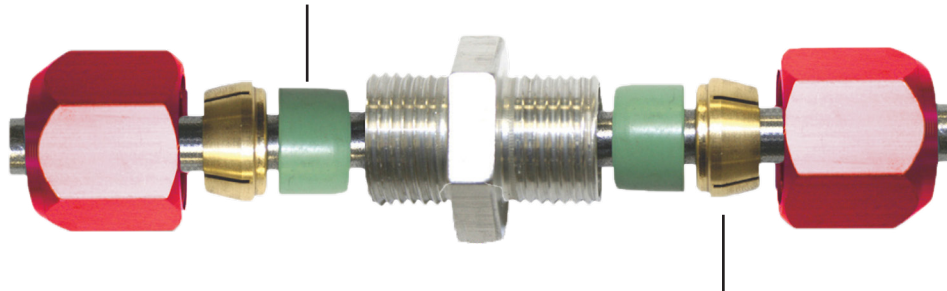
Replacing metal lines can be labour intensive, time consuming, and cost-prohibitive.

Leaking aluminium and steel pipes can now be easily, effectively and reliably fixed in just a couple of minutes. A unique system of clamps and rubber gaskets create a reliable seal.



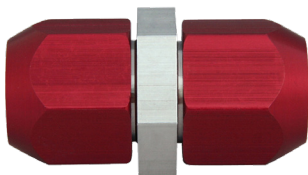
### EXPANDED SEAL SLEEVE SUPERIOR SEALING

Burst resistant up to 2600 PSI



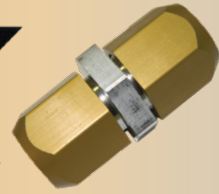
### ANTI-VIBRATION TENSION RING

Resists vibration leaks



Part No	Description & Size
41-0088	5/8 & 3/4 (16mm & 19mm) Airsplice® line repair
41-0089	3/8, 5/16 & 1/2 (8mm, 10mm & 12mm) Airsplice® line repair

# SPLICE-LOK



## SPLICE LOK® Line Repair Kit

The SPLICE LOK® Line Repair Kit contains an assortment of SPLICE-LOK® fittings for permanent leak repair of any combination of 5/16, 3/8, 1/2, 5/8 and 3/4" diameters of damaged A/C line. This can be done using standard hand tools without removing the lines from the vehicle.

Repairs can be made on the following:

- SAE and metric aluminium tube-to-tube.
- Aluminium tube to rubber hose.
- Aluminium tube block off.

The SPLICE LOK® Line repair Kit® also includes the following features:

- Compression-style tube repair.
- Fast and economical tube and hose repair.
- Ability to repair pinhole leaks, cracks, kinks and rub through damage
- Compatible with air-conditioning, coolant, transmission, oil or fuel lines. (not brake/clutch systems).
- Permanent leak repair.
- Compatible with copper/aluminium and steel tubes.
- Only hand tools are required.

Kit Part no.  
41-0082  
(ACRK-3)

(Parts also sold  
separately)



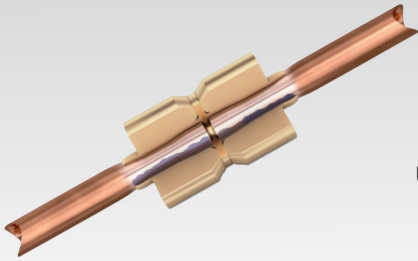
# Splice-Lok® Line Repair Kit

## SPLICE LOK® Line Repair Kit (Parts also sold separately)

Part No	Description
41-0082	Splice Lok® Line Repair Kit

 <p><b>17-0024 (AC-1-04)</b> 5/16 (8mm) Ferrule <b>Kit Qty 2</b></p>	 <p><b>17-0019 (AC-1-03)</b> 5/16 (8mm) Seal <b>Kit Qty 2</b></p>	 <p><b>17-0012 (ACR-046)</b> Body 5/16, 3/8 and 1/2 Tubing. (8, 10 &amp; 12mm) <b>Kit Qty 2</b></p>	 <p><b>17-0011 (ACR-045)</b> Body 5/8, 3/4 and 1/2 Tubing. (16 &amp; 19mm) <b>Kit Qty 2</b></p>
 <p><b>17-0025 (AC-2-04)</b> 3/8 (10mm) Ferrule <b>Kit Qty 2</b></p>	 <p><b>17-0020 (AC-2-03)</b> 3/8 (10mm) Seal <b>Kit Qty 2</b></p>		
 <p><b>17-0026 (AC-3-04)</b> 1/2 (12mm) Ferrule <b>Kit Qty 2</b></p>	 <p><b>17-0021 (AC-3-03)</b> 1/2 (12mm) Seal <b>Kit Qty 2</b></p>		
 <p><b>17-0027 (AC-4-04)</b> 5/8 (16mm) Ferrule <b>Kit Qty 2</b></p>	 <p><b>17-0022 (AC-4-03)</b> 5/8 (16mm) Ferrule <b>Kit Qty 2</b></p>	 <p><b>17-0014 (ACR-056)</b> Body Tube to Hose 5/16, 3/8 and 1/2 (8, 10 &amp; 12mm) Tubing to #8 Hose (13/32" / 10mm) <b>Kit Qty 2</b></p>	 <p><b>17-0013 (ACR-055)</b> Body Tube to Hose 5/16, 3/8 and 1/2 (8, 10 &amp; 12mm) Tubing to #6 Hose (5/16" / 8mm) <b>Kit Qty 2</b></p>
 <p><b>17-0028 (AC-5-04)</b> 3/4 (19mm) Ferrule <b>Kit Qty 2</b></p>	 <p><b>17-0023 (AC-5-03)</b> 3/4 (19mm) Seal <b>Kit Qty 2</b></p>		
 <p><b>17-0002 (AC-6-06)</b> Clinch Clamp #6 Hose. 5/16 (8mm) <b>Kit Qty 2</b></p>	 <p><b>17-0007 (AC-6-05)</b> Clinch Clamp Cage #6 Hose. 5/16 (8mm) <b>Kit Qty 2</b></p>	 <p><b>17-0016 (ACR-058)</b> Body Tube to Hose 5/8 and 3/4 (16 &amp; 19mm) Tubing to #12Hose(5/8 &amp; 16mm) <b>Kit Qty 2</b></p>	 <p><b>17-0015 (ACR-057)</b> Body Tube to Hose 5/16, 3/8 and 1/2 (8, 10 &amp; 12mm) Tubing to #10 Hose (1/2" / 13mm) <b>Kit Qty 2</b></p>
 <p><b>17-0003 (AC-7-06)</b> Clinch Clamp #8 Hose. 13/32(10mm) <b>Kit Qty 2</b></p>	 <p><b>17-0008 (AC-7-05)</b> Clinch Clamp Cage #8 Hose. 13/32(10mm) <b>Kit Qty 2</b></p>		
 <p><b>17-0004 (AC-8-06)</b> Clinch Clamp #10 Hose. 1/2 (13mm) <b>Kit Qty 2</b></p>	 <p><b>17-0009 (AC-8-05)</b> Clinch Clamp Cage #10 Hose. 1/2 (13mm) <b>Kit Qty 2</b></p>		
 <p><b>17-0005 (AC-9-06)</b> Clinch Clamp #12 Hose. 5/8(16mm) <b>Kit Qty 2</b></p>	 <p><b>17-0010 (AC-9-05)</b> Clinch Clamp Cage #12 Hose. 5/8 (16mm) <b>Kit Qty 2</b></p>	 <p><b>17-0017 (ACR-060)</b> Block Off Body &amp; Nut 5/16, 3/8 and 1/2" (8, 10 &amp; 12mm) <b>Kit Qty 2</b></p>	 <p><b>17-0018 (ACR-061)</b> Block Off Body &amp; Nut 5/8, and 3/4 (16 &amp; 19mm) <b>Kit Qty 2</b></p>
			

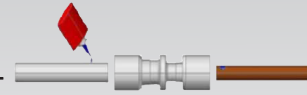
## VULKAN LOKRING



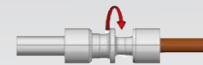
Clean the tube ends with the abrasive pad in a rotational motion around the tube



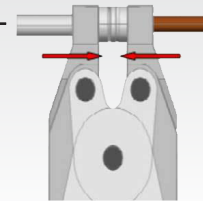
Add a drop of the sealing liquid on the ends of the two connecting tubes



Insert the tube ends and turn 360°



Use the hand tool to complete the repair



Part No	Description
48-0004A	Lokring® Starter Kit
<p>Tube and hose kit consisting of:</p> <ul style="list-style-type: none"> <li>• Lokring MZ-V Double offset heavy duty hand tool with Lokclip jaws: 8,10,12,16 &amp; 19mm.</li> <li>• 1 metre of aluminium tube sizes 1/2, 3/4, 38, 5/16, &amp; 5/8.</li> <li>• Tube connectors: O/D 8,9.53,10,12,12.7,16,19mm</li> <li>• Step up/Step down connectors: 10/9.53, 16/15, 17/16 &amp; 19/18mm.</li> <li>• Aluminium bends: (45°) 3/8, 1/2 &amp; 5/8. (90°) 3/8, 1/2 &amp; 5/8.</li> <li>• Abrasive mat and 15ml Lockprep.</li> </ul>	


Part No	Description	Part No	Description
48-0004B	Lokring® MZ-V Double Offset Tool	17-200	Lokprep 200 Bond
<p>Heavy Duty</p>		<p>Anaerobic sealant. Used to seal tube surfaces during assembly of Lokring service joints.</p>	

Part No	Description	Size
17-6NKAL50	Straight Lokring connector	6mm
17-8NKAL50	Straight Lokring connector	8mm
17-9.53NKAL50	Straight Lokring connector	9.53mm
17-10NKAL50	Straight Lokring connector	10mm
17-12NKAL50	Straight Lokring connector	12mm
17-13NKAL50	Straight Lokring connector	12.7mm
17-15NKAL50	Straight Lokring connector	15mm
17-16NKAL50	Straight Lokring connector	16mm
17-18NKAL50	Straight Lokring connector	18mm
17-19NKAL50	Straight Lokring connector	19mm




**Helpful Hint:** When connecting aluminium tubes to copper tubes, use a heat shrink sleeve to protect the connection against corrosion.

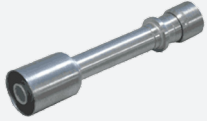
Part No	Description	Size
17-6VSMS00	Blank Lokring fitting	6mm
17-7VSMS00	Blank Lokring fitting	7mm
17-8VSMS00	Blank Lokring fitting	8mm
17-9.53VSMS00	Blank Lokring fitting	9.53mm
17-12.7VSMS00	Blank Lokring fitting	12.7mm
17-16VSMS00	Blank Lokring fitting	16mm
17-19VSMS00	Blank Lokring fitting	19mm



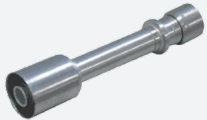
Part No	Description	Size
17-OD8MM1MTR	5/16 Aluminium tube 1mtr	8mm
17-OD9.53MM1MTR	3/8 Aluminium tube 1mtr	9.53mm
17-OD13MM1MTR	1/2 Aluminium tube 1mtr	12.7mm
17-OD16MM1MTR	5/8 Aluminium tube 1mtr	16mm
17-OD19MM1MTR	3/4 Aluminium tube 1mtr	19mm




Part No	Description	Size
17-9.53NKSAAL50	Lokring to STANDARD #6 hose fitting	9.53mm
17-13NKSAAL50	Lokring to STANDARD #8 hose fitting	13mm
17-16NKSAAL50	Lokring to STANDARD #10 hose fitting	16mm
17-19NKSAAL50	Lokring to STANDARD #12 hose fitting	19mm




Part No	Description	Size
17-9.53RBSAAL50	Lokring to REDUCED #6 hose fitting	9.53mm
17-13RBSAAL50	Lokring to REDUCED #8 hose fitting	13mm
17-16RBSAAL50	Lokring to REDUCED #10 hose fitting	16mm
17-19RBSAAL50	Lokring to REDUCED #12 hose fitting	19mm



Part No	Description	Size
17-9.53NKLCRAL50	Lokring to REDUCED #6 hose Lokclip	9.53mm
17-12.7NKLCRAL50	Lokring to REDUCED #8 hose Lokclip	12.7mm
17-16NKLCRAL50	Lokring to REDUCED #10 hose Lokclip	16mm
17-19NKLCRAL50	Lokring to REDUCED #12 hose Lokclip	19mm



Part No	Description	Size
17-9.53LCRALS50	Stem to REDUCED #6 hose Lokclip	9.53mm
17-13LCRALS50	Stem to REDUCED #8 hose Lokclip	13mm
17-16LCRALS50	Stem to REDUCED #10 hose Lokclip	16mm
17-19LCRALS50	Stem to REDUCED #12 hose Lokclip	19mm



**Hose Key:** #6 Hose=8mm Id      #8 Hose=10mm Id      #10 Hose=13mm Id      #12 Hose=16mm Id

# Lokring® Products

Part No	Description	Size
17-8NKALSV52	Joiner with R134 service port	8mm
17-9.53NKALSV52	Joiner with R134 service port	9.53mm
17-10NKALSV52	Joiner with R134 service port	10mm
17-12NKALSV52	Joiner with R134 service port	12mm
17-13NKALSV52	Joiner with R134 service port	13mm



Part No	Description	Size
17-13NKALSV51	Joiner with R134 service port	13mm
17-16NKALSV51	Joiner with R134 service port	16mm
17-19NKALSV51	Joiner with R134 service port	19mm



**Helpful Hint:** When connecting aluminium tubes to copper or steel tubes with different outer diameters, use the step down connectors listed below.

Part No	Description	Size
17-9.53/6NRAL50	Step down connector	9.53mm-6mm
17-9.53/8NRAL50	Step down connector	9.53mm-8mm
17-10/6NRAL50	Step down connector	10mm-6mm
17-10/8NRAL50	Step down connector	10mm-8mm
17-10/9.53NRAL50	Step down connector	10mm-9.53mm
17-12/10NRAL50	Step down connector	12mm-10mm
17-13/9.53NRAL50	Step down connector	13mm-9.53mm
17-13/12NRAL50	Step down connector	13mm-12mm
17-14/10NRAL50	Step down connector	14mm-10mm
17-16/10NRAL50	Step down connector	16mm-10mm
17-16/13NRAL50	Step down connector	16mm-13mm
17-16/15NRAL50	Step down connector	16mm-15mm
17-17/16NRAL50	Step down connector	17mm-16mm
17-19/16NRAL50	Step down connector	19mm-16mm
17-19/18NRAL50	Step down connector	19mm-18mm




Part No	Description	Size
17-9.53B90	90° Aluminium bend	9.53mm
17-13B90	90° Aluminium bend	12.7mm
17-16B90	90° Aluminium bend	16mm
17-19B90	90° Aluminium bend	19mm




Part No	Description	Size
17-9.53B45	45° Aluminium bend	9.53mm
17-13B45	45° Aluminium bend	12.7mm
17-16B45	45° Aluminium bend	16mm



Part No	Description	Size
17-HLF90-3/8	90° Lokring to STANDARD #6 hose	9.53mm
17-HLF90-1/2	90° Lokring to STANDARD #8 hose	13mm
17-HLF90-5/8	90° Lokring to STANDARD #10 hose	16mm
17-HLF90-3/4	90° Lokring to STANDARD #12 hose	19mm




Part No	Description	Size
17-HLF45-3/8	45° Lokring to STANDARD #6 hose	9.53mm
17-HLF45-1/2	45° Lokring to STANDARD #8 hose	13mm
17-HLF45-5/8	45° Lokring to STANDARD #10 hose	16mm
17-HLF45-3/4	45° Lokring to STANDARD #12 hose	19mm




**Helpful Hint:** Damaged a thread replacing a component? With Lokring connectors you can replace O-ring threaded fittings.


Part No	Description	Size
17-OREPFIT6MI	Straight male O-ring insert #6	9.53mm
17-OREPFIT8MI	Straight male O-ring insert #8	13mm
17-OREPFIT10MI	Straight male O-ring insert #10	16mm
17-OREPFIT12MI	Straight male O-ring insert #12	19mm




Part No	Description	Size
17-OREPFIT6F	Straight female O-ring #6	9.53mm
17-OREPFIT8F	Straight female O-ring #8	13mm
17-OREPFIT10F	Straight female O-ring #10	16mm
17-OREPFIT12F	Straight female O-ring #12	19mm




Part No	Description	Size
17-OREPFIT6M	Straight male O-ring #6	9.53mm
17-OREPFIT8M	Straight male O-ring #8	13mm
17-OREPFIT10M	Straight male O-ring #10	16mm
17-OREPFIT12M	Straight male O-ring #12	19mm



Part No	Description	Size
17-TL9.53	Tube to STANDARD #6 hose crimp fitting	9.53mm
17-TL13	Tube to STANDARD #8 hose crimp fitting	13mm
17-TL16	Tube to STANDARD #10 hose crimp fitting	16mm
17-TL19	Tube to STANDARD #12 hose crimp fitting	19mm



Part No	Description	Size
17-9.53RBTL	Tube to REDUCED #6 hose crimp fitting	9.53mm
17-13RBTL	Tube to REDUCED #8 hose crimp fitting	13mm
17-16RBTL	Tube to REDUCED #10 hose crimp fitting	16mm
17-19RBTL	Tube to REDUCED #12 hose crimp fitting	19mm



# Burgaclick® Range



**To ensure that the connection seals properly please follow the below steps:**


1. Lightly sand the pipe ends with fine sand paper to remove dirt and debris.
2. Apply Lokprep to both ends of the pipe, making sure that the Lokprep does not enter the pipe.
3. Insert the pipe ends into the the Lokring connector ensuring the pipe ends are inserted to the inner limit and remain fixed in this position.
4. Close the Lokring connection up ensuring that both sides close fully and meet the centre stop.

**FOR USE WITH REDUCED BORE HOSE ONLY**


**1 CASE & 2 CLIPS NEEDED PER FITTING**

Part No	Description
17-0006	Burgaclick® Tool


Heavy duty hand tool for quick and easy tightening of Burgaclick® metal clips.




Part No	Description	Size
17-1001B	Straight female O-ring Burgaclick fitting	No.6
17-2001B	Straight female O-ring Burgaclick fitting	No.8
17-3001B	Straight female O-ring Burgaclick fitting	No.10




Part No	Description	Size
17-1002B	45° female O-ring Burgaclick fitting	No.6
17-2002B	45° female O-ring Burgaclick fitting	No.8
17-3002B	45° female O-ring Burgaclick fitting	No.10



Part No	Description	Size
17-1003B	90° female O-ring Burgaclick fitting	No.6
17-2003B	90° female O-ring Burgaclick fitting	No.8
17-3003B	90° female O-ring Burgaclick fitting	No.10



Part No	Description	Size
17-1008B	Straight male O-ring Burgaclick fitting	No.6
17-2008B	Straight male O-ring Burgaclick fitting	No.8
17-3008B	Straight male O-ring Burgaclick fitting	No.10



Part No	Description	Size
17-1009B	45° male O-ring Burgraclip fitting	No.6
17-2009B	45° male O-ring Burgraclip fitting	No.8
17-3009B	45° male O-ring Burgraclip fitting	No.10



Part No	Description	Size
17-1010B	90° male O-ring Burgraclip fitting	No.6
17-2010B	90° male O-ring Burgraclip fitting	No.8
17-3010B	90° male O-ring Burgraclip fitting	No.10



Part No	Description	Size
17-1011B	Straight male Insert Burgraclip fitting	No.6
17-2011B	Straight male Insert Burgraclip fitting	No.8
17-3011B	Straight male Insert Burgraclip fitting	No.10



Part No	Description	Size
17-1012B	45° male Insert Burgraclip fitting	No.6
17-2012B	45° male Insert Burgraclip fitting	No.8
17-3012B	45° male Insert Burgraclip fitting	No.10



Part No	Description	Size
17-1013B	90° male Insert Burgraclip fitting	No.6
17-2013B	90° male Insert Burgraclip fitting	No.8
17-3013B	90° male Insert Burgraclip fitting	No.10



Part No	Description	Size
17-1014B	Inline Splicer Burgraclip fitting	No.6
17-2014B	Inline Splicer Burgraclip fitting	No.8
17-3014B	Inline Splicer Burgraclip fitting	No.10
17-4014B	Inline Splicer Burgraclip fitting	No.12



Part No	Description	Size
17-0007	Burgraclip Plastic Case	No.6
17-0008	Burgraclip Plastic Case	No.8
17-0009	Burgraclip Plastic Case	No.10
17-0010	Burgraclip Plastic Case	No.12



Part No	Description	Size
17-0002	Burgraclip Metal Clip	No.6
17-0003	Burgraclip Metal Clip	No.8
17-0004	Burgraclip Metal Clip	No.10
17-0005	Burgraclip Metal Clip	No.12



# Beadlock® Crimp Fittings

## Hydraulic Hand Crimper & Die Kit

Installing air conditioning is something that is easy to do with one exception—making the necessary hoses. Generally the required hoses and the necessary ends are included, however those ends have to be crimped onto the hose to make a leak-free union. The crimping kit comes with eight sets of dies and is operated manually. The sturdy construction and simple operation produces professional-looking, leak-free connections.

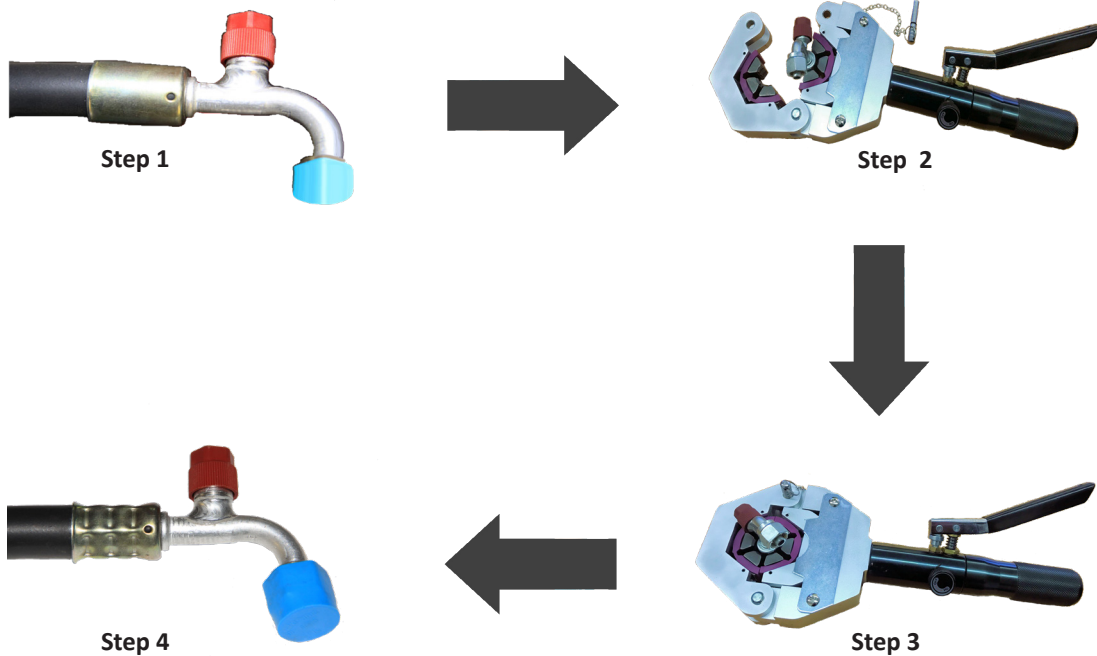
The fittings used are the Beadlock style. The ferrule is locked onto the tube; the crimping tool compresses it, which locks the hose in place.

**Pic 1** Please note the hole in the ferrule; it confirms that the hose is fully located in the fitting. The 90° fitting shown includes a service port for charging the system.

**Pic 2** With the proper die in place the fitting is centered fore and aft in the clamp, which is closed and locked with a pin.

**Pic 3** By pumping the handle it squeezes the die together. The job is complete when the handle will not pump any more.

**Pic 4** The finished crimp is tight and professional looking.



Part No	Description
48-0003	Hydraulic Crimper for Standard & Reduced Bore Hose Crimp Fittings

Dies included in the kit are:

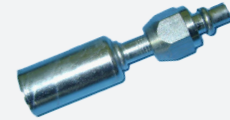
- REDUCED BORE 6,8,10,12
- STANDARD BORE 8,10,12

Please note that number 8 reduced bore die is also used to crimp the standard bore no.6 fitting.

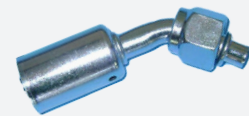


**FOR REDUCED BORE HOSE ADD AN "S" TO THE END OF THE PART NUMBER**

Part No	Description	Size
17-1001	Straight Female O-ring Hose Crimp fitting	No.6
17-2001	Straight Female O-ring Hose Crimp fitting	No.8
17-3001	Straight Female O-ring Hose Crimp fitting	No.10
17-4001	Straight Female O-ring Hose Crimp fitting	No.12



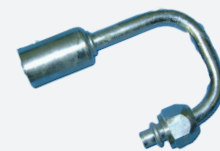
Part No	Description	Size
17-1002	45° Female O-ring Hose Crimp fitting	No.6
17-2002	45° Female O-ring Hose Crimp fitting	No.8
17-3002	45° Female O-ring Hose Crimp fitting	No.10
17-4002	45° Female O-ring Hose Crimp fitting	No.12



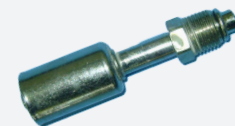
Part No	Description	Size
17-1003	90° Female O-ring Hose Crimp fitting	No.6
17-2003	90° Female O-ring Hose Crimp fitting	No.8
17-3003	90° Female O-ring Hose Crimp fitting	No.10
17-4003	90° Female O-ring Hose Crimp fitting	No.12



Part No	Description	Size
17-1004	180° Female O-ring Hose Crimp fitting ("S" n/a)	No.6
17-2004	180° Female O-ring Hose Crimp fitting ("S" n/a)	No.8
17-3004	180° Female O-ring Hose Crimp fitting ("S" n/a)	No.10
17-4004	180° Female O-ring Hose Crimp fitting ("S" n/a)	No.12



Part No	Description	Size
17-1008	Straight male O-ring Hose Crimp fitting	No.6
17-2008	Straight male O-ring Hose Crimp fitting ("S" n/a)	No.8
17-3008	Straight male O-ring Hose Crimp fitting	No.10
17-4008	Straight male O-ring Hose Crimp fitting	No.12



Part No	Description	Size
17-1009	45° Male O-ring Hose Crimp fitting	No.6
17-2009	45° Male O-ring Hose Crimp fitting	No.8
17-3009	45° Male O-ring Hose Crimp fitting ("S" n/a)	No.10



Part No	Description	Size
17-1010	90° Male O-ring Hose Crimp fitting	No.6
17-2010	90° Male O-ring Hose Crimp fitting ("S" n/a)	No.8
17-3010	90° Male O-ring Hose Crimp fitting	No.10
17-4010	90° Male O-ring Hose Crimp fitting	No.12



Part No	Description	Size
17-1011	Straight male O-ring insert Hose Crimp fitting	No.6
17-2011	Straight male O-ring insert Hose Crimp fitting	No.8
17-3011	Straight male O-ring insert Hose Crimp fitting	No.10
17-4011	Straight male O-ring insert Hose Crimp fitting	No.12



# Beadlock® Crimp Fittings

Part No	Description	Size
17-1012	45° Male O-ring insert Hose Crimp fitting ("S" n/a)	No.6
17-3012	45° Male O-ring insert Hose Crimp fitting	No.10
17-4012	45° Male O-ring insert Hose Crimp fitting	No.12



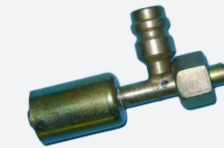
Part No	Description	Size
17-1013	90° Male O-ring insert Hose Crimp fitting	No.6
17-2013	90° Male O-ring insert Hose Crimp fitting	No.8
17-3013	90° Male O-ring insert Hose Crimp fitting	No.10
17-4013	90° Male O-ring insert Hose Crimp fitting ("S" n/a)	No.12



Part No	Description	Size
17-1014	Straight splicer Crimp fitting	No.6
17-2014	Straight splicer Crimp fitting	No.8
17-3014	Straight splicer Crimp fitting	No.10
17-4014	Straight splicer Crimp fitting	No.12



Part No	Description	Size
17-1005	Female O-ring R134 port Hose Crimp fitting	No.6
17-2005	Female O-ring R134 port Hose Crimp fitting	No.8
17-3005	Female O-ring R134 port Hose Crimp fitting	No.10



Part No	Description	Size
17-1006	45° Female O-ring R134 port Hose Crimp fitting	No.6
17-2006	45° Female O-ring R134 port Hose Crimp fitting	No.8
17-3006	45° Female O-ring R134 port Hose Crimp fitting	No.10



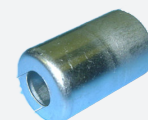
Part No	Description	Size
17-1007	90° Female O-ring R134 port Hose Crimp fitting	No.6
17-2007	90° Female O-ring R134 port Hose Crimp fitting	No.8
17-3007	90° Female O-ring R134 port Hose Crimp fitting	No.10



Part No	Description	Size
17-1015	Straight splicer R134 port Hose Crimp fitting	No.6
17-2015	Straight splicer R134 port Hose Crimp fitting	No.8
17-3015	Straight splicer R134 port Hose Crimp fitting	No.10
17-4015	Straight splicer R134 port Hose Crimp fitting	No.12



Part No	Description	Size
17-1016	Standard bore Hose ferrule	No.6
17-2016	Standard bore Hose ferrule	No.8
17-3016	Standard bore Hose ferrule	No.10
17-4016	Standard bore Hose ferrule	No.12





## Standard Bore Hose

Part No	Inner Diameter	Outer Diameter	Length
17-6 HOSE STANDARD 15M	7.9mm	18.3mm	15mtrs
17-8 HOSE STANDARD 15M	10.3mm	22.4mm	15mtrs
17-10 HOSE STANDARD 15M	12.7mm	24.6mm	15mtrs
17-12 HOSE STANDARD 15M	15.9mm	27.7mm	15mtrs



## Reduced Bore Hose

Part No	Inner Diameter	Outer Diameter	Length
17-6 HOSE M/B 15M	8.3mm	14.8mm	15mtrs
17-8 HOSE M/B 15M	10.6mm	17.2mm	15mtrs
17-10 HOSE M/B 15M	13mm	19.4mm	15mtrs
17-12 HOSE M/B 15M	16mm	23.6mm	15mtrs



## Hose Cutters

Part No	Description
41-1155	Hose Cutter

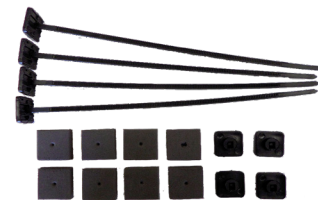
Scissor action hand held rubber hose cutter.



## Fan Ties

Part No	Description
05- AAG60145	Fan Cable Ties

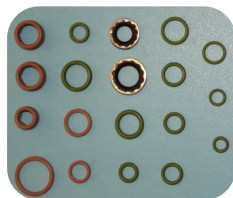
For use with Spal Fans.



## Condenser O-Ring Kit

Part No	Description
16-COND	Condenser O-Ring Kit

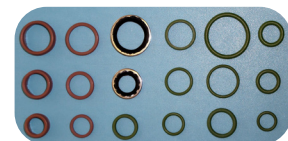
A small selection of condenser O-Rings. Used when connecting fittings onto condensers.



## Compressor O-Ring Kit

Part No	Description
14-COMP	Compressor O-Ring Kit

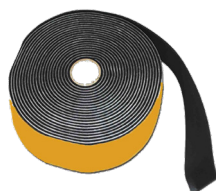
A small selection of compressor O-Rings. Used when connecting fittings onto compressors.



## Anti-Condensation Tape

Part No	Description
22-AAGQ201	Anti-Condensation Tape

Tar cork tape commonly used to resolve problems such as pipe sweating in refrigerant pipe lines and control condensation by effective heat insulation.



Length: 9m

## Fin Combs

Part No & Description	
48-0005A	48-0005



A Set of Six Fin Combs.



Condenser Fin Comb.

# Springlock Tools

## Spring Lock Tools

Part No	Description	
41-0010	Set of Four Ford Spring Lock Tools These tools make it easier to disconnect A/C pressure lines on selected Ford vehicles. (Will fit some other applications too)	
41-0012	Set of Two VW Spring Lock Tools These tools make it easier to disconnect A/C pressure lines on selected VW vehicles.	
41-0011	Set of Two GM Spring Lock Tools These tools make it easier to disconnect A/C pressure lines on selected GM vehicles.	
41-0013	Mercedes Suction Line Spring Lock Tool These tools make it easier to disconnect A/C pressure lines on Mercedes W-211 vehicles. Suction line only	
41-0014	Smart Car Suction Line Spring Lock Tool This tool makes it easier to disconnect A/C pressure lines on selected Smart vehicles. Suction line only	
41-0015	Toyota Spring Lock Tool This tool makes it easier and safer to disconnect A/C pressure lines on selected Toyota vehicles.	
41-0108	Audi Spring Lock Tool This tool makes it easier and safer to disconnect A/C pressure lines on selected Audi vehicles.	
41-0084	Toyota LP Special Clamp LP special clamp for Toyota applications.	
41-0085	Toyota HP Special Clamp HP special clamp for Toyota applications.	

## Orifice Tube & Garter Spring Kits

Part No	Description
41-1010	Orifice Tube Kit
22-8621	 BLUE ORIFICE TUBE - FORD Kit Qty 2
22-8622	 GREY ORIFICE TUBE - AUDI Kit Qty 2
22-2309	 YELLOW ORIFICE TUBE - VOLVO Kit Qty 2
22-1035	 WHITE ORIFICE TUBE - FIAT Kit Qty 2
22-8640	 BROWN ORIFICE TUBE - FORD Kit Qty 2
22-2304	 BLACK ORIFICE TUBE - OPEL, VAUX Kit Qty 2
22-8641	 PURPLE ORIFICE TUBE - CHRYSLER Kit Qty 2
22-8639	 ORANGE ORIFICE TUBE - FORD Kit Qty 2
22-1030	 RED ORIFICE TUBE - FORD Kit Qty 2
22-1028	 GREEN ORIFICE TUBE - FORD Kit Qty 2
	

Part No	Description
42-1000	Orifice Tube Removal Kit



Handy tool to remove orifice tubes.

Part No	Description
42-1001	Orifice Tube Removal Tool

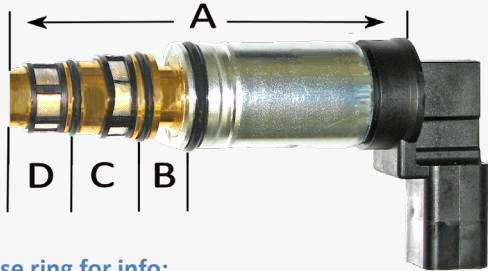
Tool for removing broken orifice tube, strong metal construction.



# Compressor Control Valves

## Compressor Control Valves

Part No	Description	Type: SANDEN
44-9808	PXE13/PXE16 VALVE	



Please ring for info:

Part No	Description	Type: SANDEN
44-9809	PXE13/16/SD6V12 VALVE	



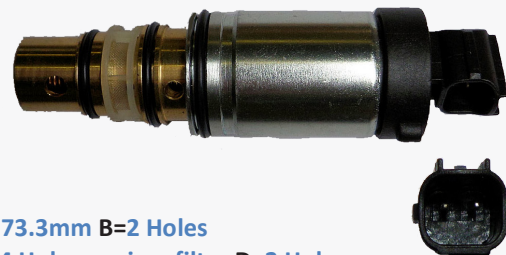
A=73.0mm B=2 Holes  
C=2 Holes+micro filter D=2 Holes

Part No	Description	Type: SANDEN
44-9810	SD7C16 VALVE	



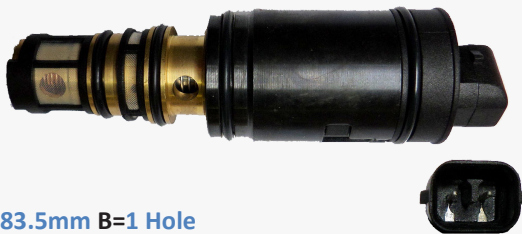
A=92.0mm B=4 Holes + micro filter  
C=4 Holes D=2 Holes

Part No	Description	Type: SANDEN
44-9811	PXE14/PXE16 OPEL VALVE	



A=73.3mm B=2 Holes  
C=4 Holes + micro filter D=2 Holes

Part No	Description	Type: VARIOUS
44-9812	AUDI/MERC/BMW VALVE	



A=83.5mm B=1 Hole  
C=4 Holes + micro filter D=4 Holes + micro filter

Part No	Description	Type: DELPHI CVC
44-9814	VAUX/OPEL 14/16 VALVE	



A=73.0mm B=2 Holes  
C=6 Holes + micro filter D=2 Holes + micro filter

Part No	Description	Type: VARIOUS
44-9815	BMW VALVE	



A=73.5mm B=2 Holes  
C=6 Holes + micro filter D=2 Holes + micro filter

Part No	Description	Type: CALSONIC
44-9817	BMW CSE613 VALVE	



A=80.5mm B=2 Holes  
C=No Holes + micro filter D=No Holes + micro filter

# Compressor Control Valves

## Compressor Control Valves

Part No	Description	Type: DENSO
44-9800	CONTROL VALVE 7SEU17	



Part No	Description	Type: DENSO
44-9801	CONTROL VALVE 7SEU16/17	



Part No	Description	Type: DENSO
44-9802	CONTROL VALVE 7SEU16/17	



Part No	Description	Type: DENSO
44-9804	CONTROL VALVE 6SE/7S	



Part No	Description	Type: DENSO
44-9805	CONTROL VALVE 6SEU	



Part No	Description	Type: DENSO
44-9806	CONTROL VALVE 6SEU16C	



Part No	Description	Type: DENSO
44-9807	CONTROL VALVE 6SEU12C	



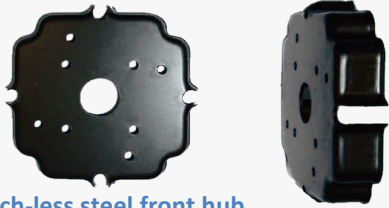
Part No	Description	Type: DENSO
44-9813	5SL12C VALVE FIAT	



# Compressor Front Hubs

## Compressor Front Hubs, Hub Removers & Rubber Dampeners

Part No	Description	Denso	Part No	Description	Denso
44-9709	Replacement Hub		44-9710	Replacement Hub	



Denso clutch-less steel front hub.



Replacement Denso clutch-less steel/plastic front hub.

Part No	Description	Denso	Part No	Description	Denso
44-9711	Replacement Hub		44-9712	Replacement Hub	



Replacement Denso front limiter steel/plastic hub.



Replacement Denso clutch-less steel front hub.

Part No	Description	Denso	Part No	Description	Denso
44-9713	Replacement Hub		44-9798	Hub Remover	

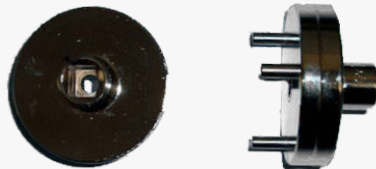


Replacement Denso clutch-less steel/plastic front hub for 5SE09C.



HUB REMOVER for Denso compressors 7SEU type.

Part No	Description	Denso	Part No	Description	Various
44-9799	Hub Remover		41-1103	Hub Remover	



HUB REMOVER for Denso. 1/2" socket connection with a 2" pin distance on the face of the puller.



HUB REMOVER. Universal hub puller.

Part No	Description	Denso	Part No	Description	Denso
44-9796	Replacement Rubber dampener		44-9797	Replacement Rubber dampener	



Denso rubber dampener for 5SE09C. Sold individually. Qty 1



Denso rubber dampener for 5SEU, 5SL, 6EU & 7EU. Sold individually. Qty 1

## Compressor Bearings

Part No	Description & Size
	
44-9702	40x62x24mm Compressor Bearing. Fits Sanden.
44-9700	47x30x12mm Compressor Bearing. Fits Denso, Sanden, MSC & Mitsubishi.
44-0632	50x35x20mm Compressor Bearing. Fits Sanden & Visteon.
44-AAG0040	52x30x22mm Compressor Bearing. Fits Denso 10PA 15/17/20.
44-9701	52x35x12mm Compressor Bearing. Fits Denso Scroll.
44-9703	55x35x20mm Compressor Bearing. Fits Zexel, Sanden & Panasonic.
44-AAG0657	52x35x22mm Compressor Bearing. Fits Denso, CVC & Calsonic.
44-9707	54x38x17mm Compressor Bearing. Fits Denso.
44-9708	55x32x23mm Compressor Bearing. Fits Panasonic & Matsushita.
44-AAG0644	55x30x23mm Compressor Bearing. Fits Visteon Scroll FS10.
44-AAG0659	62x40x20mm Compressor Bearing. Fits GM V5,R4,DA6 & A6. Visteon FS6.

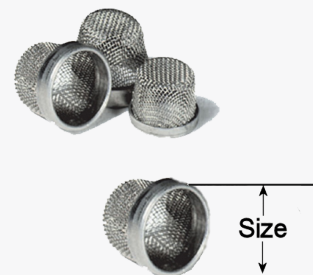
## Compressor Guard & Replacement Filters

Part No	Description
41-0021	Compressor Guard

The Compressor Guard protects the system from debris entering the compressor using a mesh filter on the suction port.



Part No	Description	Size O/D
41-0028	Blue Mesh Filter Pk5	11.96mm
41-0029	Black Mesh Filter Pk5	12.95mm
41-0030	Yellow Mesh Filter Pk5	13.23mm
41-0031	Green Mesh Filter Pk5	13.49mm
41-0032	Purple Mesh Filter Pk5	13.67mm
41-0033	Black Mesh Filter Pk5	14.02mm
41-0034	Black Mesh Filter Pk5	15.11mm
41-0035	Green Mesh Filter Pk5	15.70mm



# A/C Machine Filters

## A/C Machine Filters

Part No	Description
41-0069	Wigam® & CTR® Filter

Filter for  
Wigam® & CTR®  
Charging Stations



76mm x 230mm 1/4 Flare

Part No	Description
41-0072	Robinair® SPX® Filter

Filter for  
Robinair® SPX  
Charging Stations



90mm x 294mm 1/4 O-Ring

Part No	Description
41-0070	Krios® Ecotechnic® Mavre® Spin®

Filter for Krios®  
Ecotechnics® Mavre®  
Spin® Charging Stations



76mm x 140mm 1/4 Flare

Part No	Description
41-0073	Texa® Filter

Filter for  
TEXA® Charging  
Stations



76mm x 240mm 3/8 O-Ring

Part No	Description
41-0071	Robinair® SPX® Filter

Filter for  
Robinair® SPX®  
Charging Stations



76mm x 275mm Coupler Type

Part No	Description
41-0086	Brain Bee® Filter

Filter for  
Brain Bee®  
Charging Stations



76mm x 243mm 3/8 Flare

Part No	Description
41-7774	ISC® Filter

Filter for  
Texa &  
ISC® Charging  
Stations



76mm x 230mm 3/8 O-Ring

Part No	Description
41-7776	ISC® Filter

Filter for  
ISC® Charging  
Stations



63mm x 200mm 3/8 O-Ring

Part No	Description
41-7777	Air Solutions® Oksys® Filter

Filter for Air  
Solutions® & Oksys®  
Charging Stations



63mm x 160mm 1/4 Flare

Part No	Description
41-0087	Elke® Recovery Unit Filter

Filter for Elke®  
Portable recovery  
machines. Filter will  
fit machines 48-0001B,  
48-0006A & 48-0006B



58mm X 119mm 1/4 Flare



## Marketing Support

Part No	Description
40-0014	Complete Marketing Pack

- Exterior Wall Sign
- Shop Wall Poster
- Counter Leaflet



Part No	Description	Part No	Description
40-0012	Exterior Wall Sign	40-0015	Refrigerant Oil & Charge Guide



800mm x 500mm

Qty 1



Qty 1

Part No	Description	Part No	Description
40-0010	Shop Wall Poster	40-0011	Counter Leaflets



420mm x 300mm

Qty 1



Qty 1

## Replacing a failed A/C compressor

Any work carried out on A/C systems should be undertaken by a competent person who has a full understanding on how the system works. Electric/hybrid cars require a greater level of care due to their extreme high operation voltage. It is highly recommended that the correct type and viscosity of oil (as per OEM recommendations) is used.

*It is important to remember that compressors do not "just fail" there will be a reason for its failure and this must be found and rectified prior to the new compressor being fitted.*

### CORRECT INSTALLATION OF A COMPRESSOR

- Firstly, visually inspect the replacement compressor
- checking for any damage and that it is complete.



NEW UNIT



OLD UNIT

- Empty the refrigerant in the system with certified equipment then remove the old unit.
- Again make sure the new unit matches the old unit by checking the clutch alignment, mounting points and electrical plug connection. In some cases it may be necessary to swap the hose manifold, pressure switch or electrical plug from the old unit onto the new unit.

- New compressors are generally supplied with a charge of oil, unless stated otherwise in the box or on the new compressor.

IT IS ADVISABLE TO CHECK TO ENSURE IT HAS THE CORRECT OIL QUANTITY FOR YOUR VEHICLE.

- When a compressor is removed approximately 70% of the oil will remain in the system's evaporator, condenser and hoses/pipes. Because of this you MUST flush the system to remove any excess oil and any debris from the old failed compressor.



Dry Air Flushing Kit  
41-50014



Mobile Nitrogen Flushing Kit  
41-50020

- You MUST change the receiver drier EVERYTIME you open the system but especially once you have changed a compressor, because debris could be hiding inside the filter.

- Once the system has been completely flushed and all the flush has been removed the new compressor can now be installed, checking the clutch alignment once again. Rotate the front plate 10 times clockwise and 10 times anti clockwise to remove any oil build up in the compressor (this will help prevent liquid locking upon the first start up).

- Vacuum the system for a minimum of 45 mins, this will remove any moisture that has managed to enter the system when replacing the failed compressor.

- Recharge the system checking fan and clutch operation.
- Make sure to check that the air temperature coming out of the vents remains above freezing point at all times.

**Cool  
Zone**  
Automotive

## A/C Systems: to flush or not to flush

Fitted on nearly all new production cars, air conditioning offers lucrative servicing and repair work for an independent garage

A/C systems only have one moving component - the compressor. Oil circulates through the system, lubricating each component (condenser, evaporator, receiver drier/accumulator, expansion valve and hoses). Any debris or contamination will affect every component. To remove the debris, the oil must be removed by carrying out a full system flush.

### When to flush?

When the compressor is removed, drain the oil to check its cleanliness. If the oil looks contaminated the system must be flushed. It is advisable to flush every time the compressor is changed to be 100% certain of the system oil charge (too much oil causes the compressor to liquid lock in a similar way to excess engine oil in a car).

### How to perform a flush

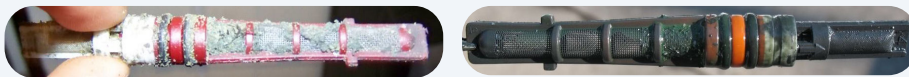
Use a charging station's flush procedure if available (note: recovery mode is not a flush).

Otherwise use a flushing kit (see examples alongside). When flushing, clean individual hoses and heat exchangers. The receiver drier and compressor cannot be flushed and must be replaced.

### What happens if flushing is not done?

Any contamination in the system could result in ongoing failures. Blockages can occur in expansion valves and orifice tubes (see below). Condensers are manufactured with very fine internal passes which can also block.

#### Examples of blocked orifice tubes:



#### Examples of failed compressors due to contamination

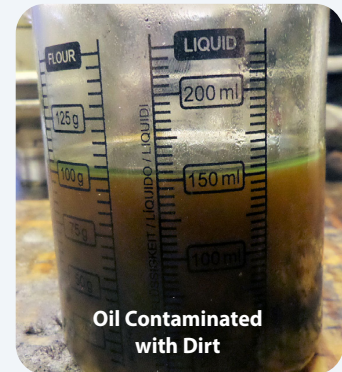


### Comply with compressor warranty restrictions

Always follow the compressor supplier's instructions to comply with their warranty restrictions. Compressors generally do not fail. If a compressor does fail there will be a reason which needs to be found and rectified. Avoid excess oil (the most common cause of repeat failure).

### Is a flushing system useful?

Want to avoid repeat A/C system failures, upset customers and rejected warranty claims? A flushing system is highly recommended, more so now than ever, with refrigerant 1234yf systems being introduced. These often have sealed compressors, so oil levels cannot be checked and flushing will be necessary every time the compressor is removed.



Oil Contaminated with Dirt

#### Dry Air Flushing Kit (41-50014)



#### Mobile Nitrogen Flushing Kit (41-50020)



**Cool  
Zone**  
Automotive



Website:  
[www.autoairglos.net](http://www.autoairglos.net)



**Version 23**