

*Santech*.<sup>®</sup> *Leading Through Technology*<sup>™</sup>

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# Another First Compressor Guard Inserts



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# *Santech*® *Leading Through Technology*™

Returns on Compressors with sensitive designs can be very expensive.

Should you supply compressors with screens or filters?

- Stop the increasing cost of Warranty returns
- Choose your customers by professionalism and return rate
- Insist on the replacement of specific components - condensers, expansion valves, orifice tubes, dryers / accumulators, etc.
- Insist on proper system cleaning
- Send your compressors with the correct viscosity of double endcapped PAG.

Since all of the precautions above are not completely controllable consider adding filters and screens to the most sensitive compressors you sell, such as the scroll compressors.

## Compressor Screen Manifold Applications on Compressors

### Screen Compressor Application

T95-1443 C171

T95-1444 Special Application for 10PA17 Only.

T95-1445 TRSE090A / HS110R / TRS090

T95-1446 Ford Scroll

T95-1448 SD7V16

T95-1449 10PA17C / 10PA15C / 10PA20C / 10PA17K / 10PA17J / 10PA17VC / 10PA15L / 10PA17H

T95-1450 FS10

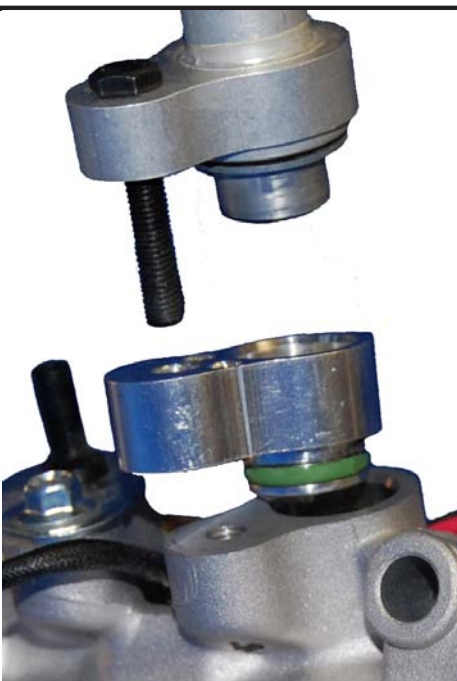
T95-1451 HD6 / H6 / HT6 / HU6

T95-1452 SD7H15

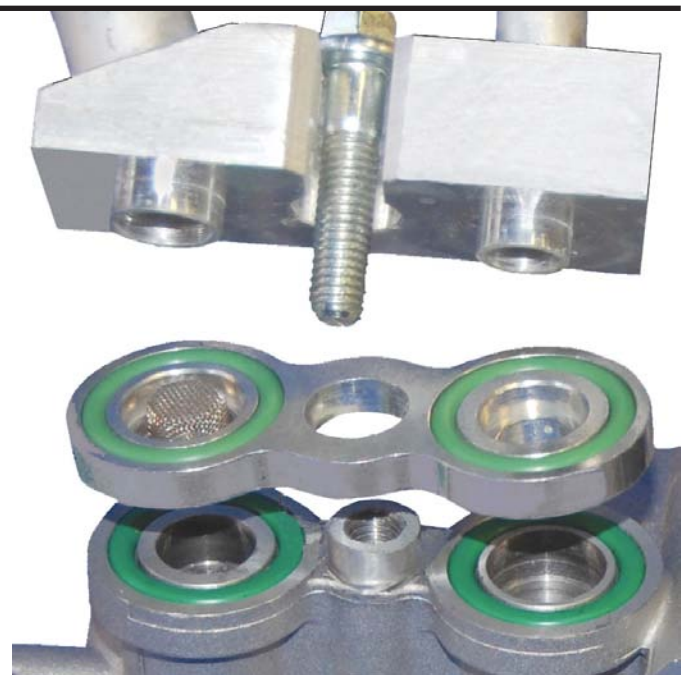
T95-1453 10S17C / 10S20C / 10S20F / 10S17F

T95-1454 10S17C / 10S20C / 10S20E / 10S20H / 10S17

T95-1455 MSC105CVSG4 / MSC105CVS / MSC090C / MSC105CF / MSC105CA / MSC105C

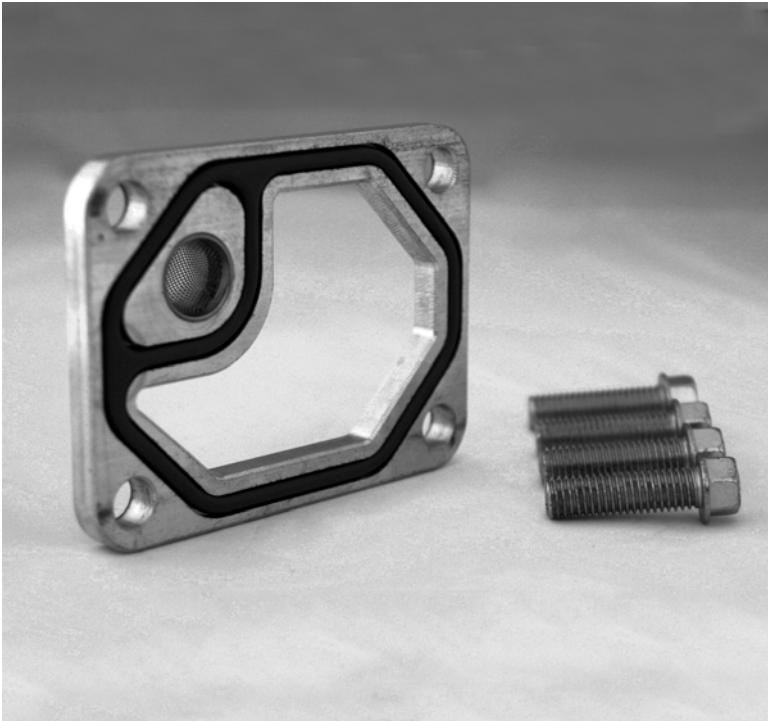


**T95-1445 Honda Plate Installation**

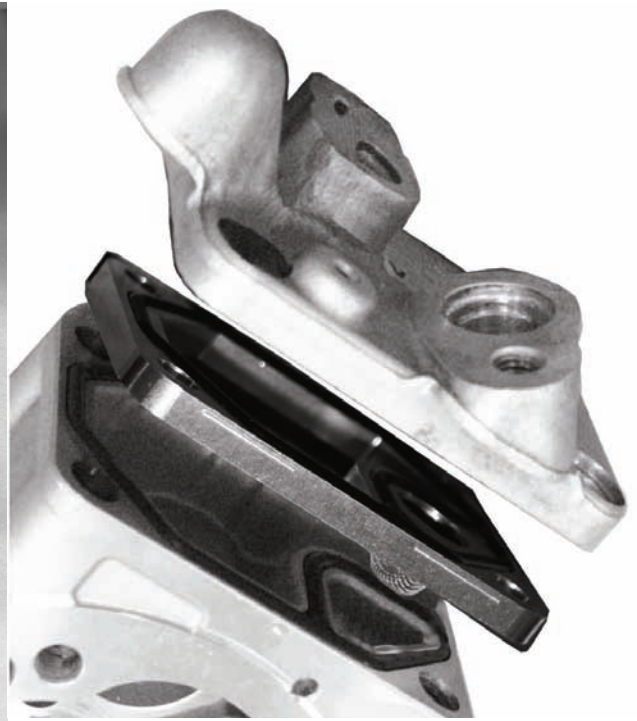


**T95-1446 Ford Scroll Plate Installation**





**T95-1449 Denso 10PA Compressor Plate**



**T95-1449 Denso 10PA Plate Installation**



**T95-1453 Denso 10S17F Compressor Plate**



**T95-1453 Denso 10S17F Plate Installation**



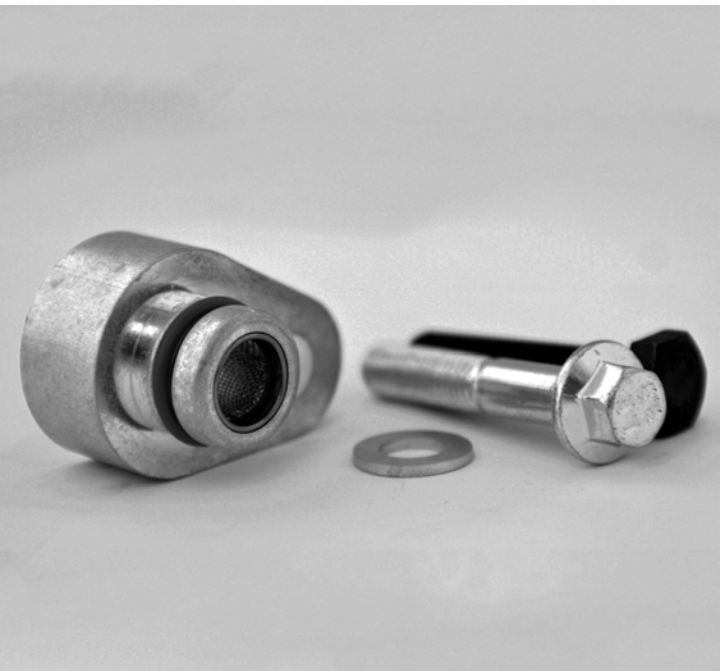
**T95-1452 Compressor Guard**



**T95-1448 Compressor Guard**



**T95-1451 Compressor Guard**



**T95-1454 Compressor Guard**

## Automobile Applications

Auto	Screen	Compressor Application	Auto	Screen	Compressor Application
Acura	T95-1445	TRSE090A Scroll / HS110R	Jaguar	T95-1446	Scroll
	T95-1449	10PA15C / 10PA17C / 10PA20C		T95-1449	10PA17C
	T95-1454	10S17C	Jeep	T95-1449	10PA17C / 10PA17E
BMW	T95-1449	10PA17C		T95-1452	SD7H15
	Buick	T95-1453		10S20C	T95-1454
Cadillac	T95-1451	HD6	Kia	T95-1449	10PA15C / 10PA17C
	T95-1455	MSC105CVSG4		T95-1450	FS10
	T95-1451	H6 / HD6 / HT6	Land Rover	T95-1449	10PA17C
	T95-1453	10S17C / 10S17F / 10S20C / 10S20F		Lexus	T95-1449
Chevrolet	T95-1446	Scroll	Lincoln	T95-1454	10S17C / 10S20C
	T95-1449	10PA20C		T95-1446	Scroll
	T95-1451	H6 / HD6 / HT6 / HU6		T95-1449	10PA17A
	T95-1453	10S17C / 10S17F / 10S20C / 10S20F		T95-1450	FS10
Chrysler	T95-1455	MSC105CVSG4	Mazda	T95-1454	10S20C
	T95-1443	C171		T95-1445	TRS090
	T95-1445	TRS090	T95-1449	10PA17C	
	T95-1449	10PA17C / 10PA17J / 10PA17K	T95-1450	FS10	
	T95-1454	10S17C / 10S20C / 10S20E / 10S20H	Mercedes	T95-1449	10PA15C / 10PA17C / 10PA20C
Dodge	T95-1443	C171		Mercury	T95-1446
	T95-1445	TRS090	T95-1449		10PA17A
	T95-1449	10PA17C / 10PA17J / 10PA17K	T95-1450	FS10	
	T95-1452	SD7H15	Mitsubishi	T95-1449	10PA15C / 10PA17C
T95-1454	10S17C / 10S17E / 10S20C / 10S20E / 10S20H	T95-1454		10S17C / 10S17E	
T95-1455	MSC105CVS / MSC105CVSG4	T95-1455		MSC090C / MSC105C / MSC105CA / MSC105CF / MSC105CVS	
Eagle	T95-1449	10PA17C	Nissan	T95-1450	FS10
	T95-1455	MSC090C / MSC105CVS		Oldsmobile	T95-1451
Ford	T95-1446	Scroll	T95-1455		MSC105CVS / MSC105CVSG4
	T95-1449	10PA15A / 10PA17A	Plymouth	T95-1443	C171
	T95-1450	FS10		T95-1449	91003 TRS090
	T95-1454	10S20C	T95-1449		10PA17C / 10PA17J / 10PA17K
Geo	T95-1449	10PA15C	T95-1454	10S17C	
GMC	T95-1451	H6 / HD6 / HT6 / HU6		T95-1455	MSC090C
	T95-1453	10S17C / 10S17F / 10S20C / 10S20F	Pontiac	T95-1451	HD6
Honda	T95-1445	TRS090 / HS110R / TRSE09A / Scroll		T95-1455	MSC105CVSG4
	T95-1449	10PA15C / 10PA17C	Porsche	T95-1449	10PA15C / 10PA20C
	T95-1454	10S17C / 10S20C		Saturn	T95-1446
Hummer	T95-1453	10S17C / 10S17F	Toyota	T95-1449	10PA15C / 10PA15L / 10PA17C / 10PA17E / 10PA17H / 10PAVC / 10PA20C
	Hyundai	T95-1449		10PA15C / 10PA17C	T95-1454
Isuzu	T95-1450	FS10			
	T95-1449	10PA17C			
	T95-1451	HT6			



# Santech<sup>®</sup> *Leading Through Technology*<sup>™</sup>

## Compressor Guard

**Compressor Guard™ Suction Screen Kit - Protection for Your A/C Repair Profit**  
*Used or Recommended by 16 Auto Manufacturers*

### T95-1076

#### Compressor Guard™ Suction Screen Kit

w/3 Screen Sizes  
 .510" O.D., .552" O.D. & .595" O.D.  
 (12 Total Screens)



### T95-1089

#### Compressor Guard™ Suction Screen Upgrade Kit

w/5 Screen Sizes  
 .471" O.D., .521" O.D.,  
 .531" O.D., .538" O.D.  
 & .618" O.D.  
 (15 Total Screens)

*Must be used with T95-1076*



8 Screen Sizes / 24 Screens



Installation Tool



Sizing Tool



Installation Mandrel



Notification Labels

### T95-1090

#### Compressor Guard™ "Ultimate" Suction Screen Kit

w/8 Screen Sizes  
 .471" O.D., .510" O.D., .521" O.D., .531"  
 O.D., .538" O.D., .552" O.D., .595" O.D.  
 and .618" O.D.  
 (24 Total Screens)



### T95-1397

#### Compressor Guard™ Screen Service Kit

w/20 Screen Sizes (60 Total Screens)

*Chart shows screen sizes, fit range, and replacement part numbers for individual screen packs.*

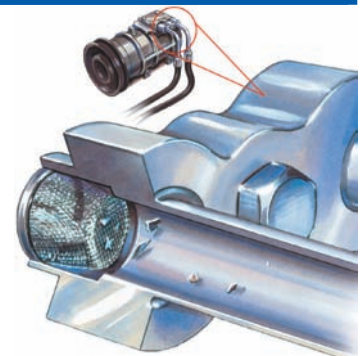


#### Part Number (5 pk. refill)

#### Guard Screen Size

#### Fits I.D. Range

T95-1096	.395" (10.03mm)	.384 to .392
T95-1097	.404" (10.26mm)	.393 to .401
T95-1431	.436" (11.07mm)	.425 to .433
T95-1432	.463" (11.76mm)	.452 to .460
T95-1091	.471" (11.96mm)	.460 to .468
T95-144	.472" (12.00mm)	.469 to .480
T95-1433	.492" (12.50mm)	.481 to .489
T95-1434	.500" (12.70mm)	.489 to .497
T95-1077	.510" (12.95mm)	.499 to .507
T95-1092	.521" (13.23mm)	.510 to .518
T95-1093	.531" (13.49mm)	.520 to .528
T95-1094	.538" (13.67mm)	.527 to .535
T95-1078	.552" (14.02mm)	.541 to .549
T95-1435	.561" (14.25mm)	.550 to .558
T95-1436	.579" (14.70mm)	.568 to .576
T95-1437	.588" (14.93mm)	.577 to .585
T95-1079	.595" (15.11mm)	.584 to .592
T95-1438	.600" (15.24mm)	.589 to .597
T95-1095	.618" (15.70mm)	.607 to .615
T95-1439	.649" (16.48mm)	.638 to .646
T95-1440	.821" (20.85mm)	.811 to .819
T95-1442	.872" (22.15mm)	.820 to .869



#### Reasons To Use A/C Repair Profit Protection Compressor Guard™ Suction Screen Kits

- Catches Debris That Flushing Misses
- Inexpensive Insurance Against Compressor Comebacks
- No Hose Cutting
- Allows Free Lubricant Flow
- Easy Installation

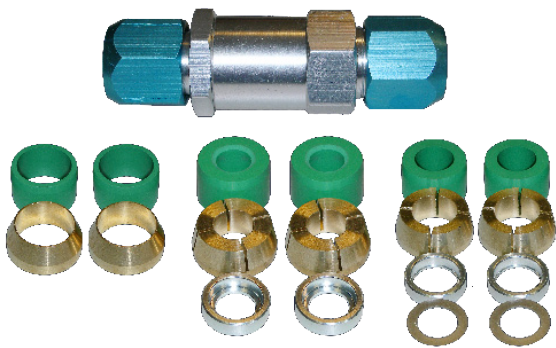
## A13-1200

### What is different about this new service filter?

#### Issue #1

Provide a simplified robust leak free installation. The original filter design incorporated an “O” ring to seal around the a/c tube OD. Successful installation required a smooth round surface. Technicians pointed out the obvious field reality:

- 1) *All tubes are not perfectly round.*
- 2) *Tube finish does have surface imperfections.*
- 3) *Installing the filter collar twice to assure proper seating is non-productive and technician sensitive.*



The redesigned filter replaces the single “O” ring with a robust tapered sealing sleeve. The sleeve provides 10 times the sealing area and greatly increases the seal’s ability to overcome field tube irregularities. The additions of slots on the brass collar permits the collar to seat correctly on the first installation as well as increase compression on the sleeve.

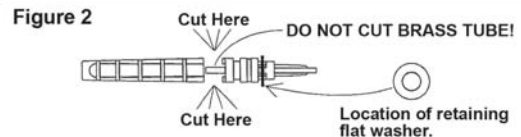
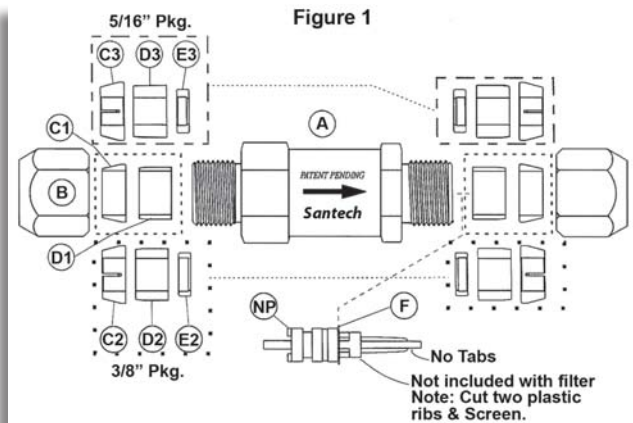
#### Issue #2

Increased debris containment. The redesign incorporates a new screen within a new body. This not only shortens the overall filter length but also increases three-fold capacity while reducing pressure and flow restrictions.

#### Issue #3

Several models and inability to cover new systems. The old filter had four P/N’s. Two tube sizes with a variation of each to incorporate a .072” orifice. The new unit is universal and fits the same tube sizes plus the 5/16”, common to TXV systems. In addition, the universal unit permits the technician to rework an existing orifice (regardless of size -.072”, .062”, .052”, etc) and incorporate it into the filter. This greatly simplifies inventory and increases technician flexibility. Overall, the new filter should provide the insurance the technician has been requesting to reduce comebacks on compressor replacements--especially with rear a/c systems.

**Fits 3/8”, 5/16”, 1/2” Dia Tubes**  
**Can be used with or without orifice tubes.**



Filter Component Identification

Code	Description	Qty.	Package
A	Main Filter Body	1	Mst Pkg
B	Clamping Nuts	2	Mst Pkg
C1	1/2: ID Brass Ferrule	2	1/2 Pkg
D1	1/2: ID Seal	2	1/2 Pkg
F	Orifice Retaining Washer	2	1/2 Pkg
C2	3/8” ID Brass Ferrule	2	3/8 Pkg
D2	3/8” ID Seal	2	3/8 Pkg
E2	3/8” ID A1. Bushing	2	3/8 Pkg
F	Orifice Retaining Washer	2	1/2 Pkg
C3	5/16” ID Brass Ferrule	2	5/16 Pkg
D3	5/16” ID Seal	2	5/16 Pkg
E3	5/16” ID A1. Bushing	2	5/16 Pkg

\*NP\* Orifice Tube w/inlet screen removed.  
 For reference purposes only, orifice tube not included in package.



# Santech<sup>®</sup> *Leading Through Technology™*

## K10-1191 Master Tech OEM In Line Filter Kit



**A13-4116**

28mm Length  
without O-Ring



**A12-4108**

25.7mm Length  
without O-Ring



**A12-4107**

25.7mm Length  
without O-Ring



**A13-4115**

60mm Length  
without O-Ring



**A13-4111**

28mm Length  
without O-Ring



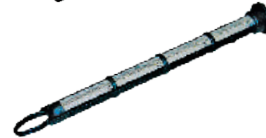
**A13-4112**

60mm Length  
with O-Ring



**A95-4003**

80mm Length  
with Hook  
without O-Ring



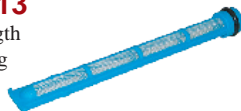
**A13-4114**

80mm Length  
with O-Ring



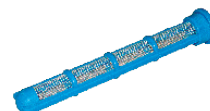
**A13-4113**

80mm Length  
with O-Ring



**A95-4004**

60mm Length  
without O-Ring



*Contains  
10 part numbers  
20 pieces*

P/N	OEM	Delco	Application	P/N	OEM	Delco	Application
<b>A13-4116</b>	25914263	15-33883	2010-2009 Buick - Enclave 2010-2009 Chevrolet - Traverse 2010-2009 GMC - Acadia 2009 Saturn - Outlook	<b>A13-4114</b>	21999762	15-33197	2008-2006 Buick - Lucerne 2009-2009 Cadillac - DTS
<i>All Located Condenser Liquid Outlet</i>				<i>All Located Condenser Liquid Outlet</i>			
<b>A13-4115</b>	89022560	15-75209	2009-2007 Chevrolet/GMC SUV, Tahoe, Yukon 2009-2007 Cadillac - Escalade 2009-2007 Isuzu	<b>A95-4003</b>	52494593	15-75210	2010-2005 Chevrolet - Cobalt 2010-2005 Chevrolet - Corvette 2010-2004 Chevrolet - Malibu 2009-2004 Cadillac - XLR 2009-2006 GM Truck - HHR 2009-2007 Pontiac - G5 2009-2005 Pontiac - G6 2006-2005 Pontiac - Pursuit 2009-2007 Saturn - Aura 2009-2003 Saturn - ION 2009-2005 Toyota - Tacoma
<i>All Located Liquid Inlet Rear Unit Block Exp Valve</i>				<i>All Located Condenser Liquid Outlet</i>			
<b>A13-4111</b>	15951308	15-10712	2008 Buick - Enclave 2008-2007 GMC - Acadia 2008-2007 Saturn - Outlook		88377-04010		<i>Located in Liquid Line at Expansion Valve</i>
<i>All Located Liquid Inlet Rear Unit Block Exp Valve</i>				<i>Located in Liquid Line at Expansion Valve</i>			
<b>A13-4112</b>	25687579	15-8947	2003-2001 Olds - Aurora	<b>A95-4004</b>	N/A	NA	2010-2003 Chevrolet - Trail Blazer 2010-2003 GMC Truck - Envoy 2006-2005 Isuzu - Ascender
<i>All Located Condenser Liquid Outlet</i>				<i>Insert into Liquid Line at Rear Unit Expansion Valve</i>			
<b>A13-4113</b>	10356437	15-75159	2008-2006 Buick - Allure (Canada) 2009-2006 Buick - Lacrosse 2008-2006 Chevrolet - Impala 2008-2005 Pontiac - Grand Prix				
<i>All Located Condenser Liquid Outlet</i>							
P/N	OEM	Motorcraft	Application				
<b>A12-4108</b>	F58Z-19E771-A	N/A	2009-2000 Ford - Excursion 2007-2004 Ford - Freestar Mercury - Monterey 2000-1995 Ford - Windstar				
<i>All Located Liquid Line of Rear Expansion Valve</i>							
<b>A12-4107</b>	1L2Z-19E771-AA	YF-2706	2009-2005 Ford - Escape (Include Hybrid) Mercury - Mariner (Include Hybrid) 2005-2002 Ford - Explorer Mercury - Mountaineer 2005-2003 Lincoln - Aviator 2009-2007 Mazda - Tribute				
<i>All Located Liquid Line of Rear Expansion Valve</i>							