

# A/C - COOLANT LINES REPAIR AND REPLACE

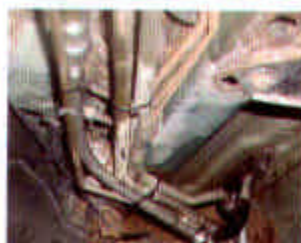
## SUV's MINI VANS REPAIR OR REPLACE FRONT AND REAR A/C / COOLANT LINES



Mini Van Rear refrigerant and coolant lines.



Leaking refrigerant lines at spring lock connection.



Repaired lines.



Close-up of repaired lines.



Tubing Joiner Tool  
FMSI #5131

Replacement Jaw Holding Pin  
FMSI #5269

During assembly of a connection, the tubes to be joined are inserted into a union, up to an internal stop. The assembly tool (FMSI #5131) is then used to apply pressure to the union, which compresses to complete the connection. This is a quick and simple method of joining tubes that eliminates the fire hazards of brazing and proper torque concerns of threaded connections, while producing permanent leak-free connections.

### Tubing Joiner Tool Jaws



FMSI #	SIZE
5142	5/16"
5132	3/8"
5133	1/2"
5134	5/8"
5135	3/4"

### Aluminum Reducer Unions

#### Joins

Aluminum to Aluminum Tube  
Aluminum to Steel Tube  
Aluminum to Copper Tube



FMSI #	SIZE
5245	1/2 - 3/8" (13 - 9.5mm)
5246	5/8 - 1/2" (16 - 13mm)
5247	3/4 - 5/8" (19 - 16mm)

### Aluminum Unions Standard Tube

#### Joins

Aluminum to Aluminum Tube  
Aluminum to Steel Tube  
Aluminum to Copper Tube



FMSI #	SIZE
5143	5/16"
5136	3/8"
5137	1/2"
5138	5/8"
5139	3/4"

### Aluminum Unions Metric Tube

#### Joins

Aluminum to Aluminum Tube  
Aluminum to Steel Tube  
Aluminum to Copper Tube



FMSI #	SIZE
5259	10mm
5260	12mm
5261	14mm
5262	15mm
5263	18mm

# ① A/C - COOLANT TUBING JOINERS

# ALUMINUM TUBE REPAIR AND REPLACE

## ALUMINUM TUBING

3003-0 ASTM-B483 OEM .049 WALL THICKNESS

### 5' STRAIGHT LENGTHS

FMSI #	Diameter
5300	3/8"
5301	1/2"
5302	5/8"
5303	3/4"

### 25' COILS

FMSI #	Diameter
5310	3/8"
5311	1/2"
5312	5/8"
5313	3/4"



### 3/6" Male Internal O-Ring to Female External O-Ring

Cut line to repair length needed.



FMSI #	SIZE
AA0264	3/8"
AA0265	1/2"
AA0266	5/8"
AA0267	3/4"

### Steel and Copper Tube Unions

#### Joins

Steel to Steel Tube  
Steel to Copper Tube  
Copper to Copper Tube



FMSI #	SIZE
5144	5/16"
5145	3/8"
5146	1/2"
5147	5/8"
5148	3/4"

### Male External O-Ring Tube Repair End

Repairs condensers and hose line ends.



FMSI #	SIZE
5171	3/8"
5174	1/2"
5177	5/8"
5180	3/4"

### Tube Block Offs

Aluminum  
Steel  
Copper & Brass



FMSI #	SIZE
5264	1/4"
5265	5/16" / 8mm
5266	3/8" / 9.5mm
5267	1/2" / 12mm
5268	5/8" / 16mm

### Male Internal O-Ring Tube Repair End

Repairs condensers and hose line ends.



FMSI #	SIZE
5172	3/8"
5175	1/2"
5178	5/8"
5181	3/4"

### Standard 90° Elbows

Aluminum  
Steel  
Copper & Brass



FMSI #	SIZE
5290	3/8" / 9.5mm
5291	1/2" / 12mm
5292	5/8" / 16mm
5293	3/4" / 19mm

### Female External O-Ring Tube Repair End

Repairs condensers and hose line ends.



FMSI #	SIZE
5173	3/8"
5176	1/2"
5179	5/8"
5182	3/4"

### Metric 90° Elbows

Aluminum  
Steel  
Copper & Brass



FMSI #	SIZE
5294	10mm
5295	12mm
5296	15mm
5297	18mm

## A/C - COOLANT TUBING JOINERS

2

# ORIFICE TUBE REPAIR / TUBE TO HOSE REPAIR

## GM Orifice Tube Repair Kit

Repairs liquid line. Install a new serviceable orifice tube at the evaporator, without replacing the complete line. (Orifice tube extra)



FMSI #5256

## Hose Lok Fitting

### FMSI # SIZE

5248	3/8" tube to #6 hose
5249	1/2" tube to #8 hose
5250	5/8" tube to #10 hose
5251	3/4" tube to #12 hose



## Ford Spring Lock Orifice Tube Repair Kit

Repairs liquid line. Install a new serviceable orifice tube, without replacing the complete line. (Orifice tube extra)



FMSI #5269

## Hose Lok **Reduced Barrier** Hose

### FMSI # SIZE

5275	3/8" tube to #6 hose
5276	1/2" tube to #8 hose
5277	5/8" tube to #10 hose
5278	3/4" tube to #12 hose



## GM/Ford Orifice Tube Repair Kit

Repairs liquid line. Install a new serviceable orifice tube, without replacing the complete line. (Orifice tube extra)



FMSI #5270

## Tube Lok Fitting

(Using reducing unions (FMSI #5245, 5246, 5247), stepping up or down tube sizes is easily accomplished.

### FMSI # SIZE

5252	3/8" tube to #6 hose
5253	1/2" tube to #8 hose
5254	5/8" tube to #10 hose
5255	3/4" tube to #12 hose

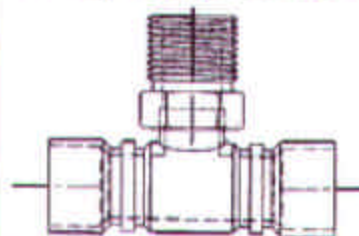


## R-134a Low Side "T" Splice Service Port



FMSI #	SIZE
5279	10mm
5280	12mm
5281	1/2"
5282	5/8"
5283	3/4"

## "T" Tap Fittings for Add-on Air Conditioning



FMSI #	SIZE
5271	3/8"
5272	1/2"
5273	5/8"
5274	3/4"

## R-134a High Side "T" Splice Service Port



FMSI #	SIZE
5284	8mm
5285	3/8"
5286	10mm
5287	12mm
5288	1/2"

## Lok Prep

An anaerobic sealant that fills longitudinal grooves to ensure the integrity of the tube connection. Lok Prep must be used with every connection.



FMSI #5140

## Tube Cleaning Scuff Pads

2" X 3" pad for removing dirt and oils from tubing before applying LOK PREP.

FMSI #5141

3

## R-134a SERVICE PORT & "T" TAP SPLICES

# A/C - COOLANT TUBE REPAIR ASSORTMENTS

## FMSI #0379

Includes #5131  
Joining Tool



FOR ALL  
SIZES OF  
MOBILE A/C  
SYSTEMS

Everything You Need To Join 3/8", 1/2",  
5/8" and 3/4" Aluminum Tubing

### 0379 CONTENTS

- |                                    |                                    |
|------------------------------------|------------------------------------|
| 1 - 5131 Tubing Joiner Tool        | 2 - 5137 1/2" Aluminum Tube Unions |
| 2 - 5132 3/8" Tubing Joiner Jaws   | 2 - 5138 5/8" Aluminum Tube Unions |
| 2 - 5133 1/2" Tubing Joiner Jaws   | 2 - 5139 3/4" Aluminum Tube Unions |
| 2 - 5134 5/8" Tubing Joiner Jaws   | 1 - 5140 65g Lok Prep              |
| 2 - 5135 3/4" Tubing Joiner Jaws   | 2 - 5141 Scuff Pads                |
| 2 - 5136 3/8" Aluminum Tube Unions | 1 - 0070 Two-sided Assortment Box  |

## FMSI #0412

Includes #5131  
Joining Tool



FOR ALL  
MINI VAN  
A/C SYSTEMS



Everything You Need To Join 3/8" and  
5/8" Aluminum Tubing

### 0412 CONTENTS

- |                                    |                                    |
|------------------------------------|------------------------------------|
| 1 - 5131 Tubing Joiner Tool        | 2 - 5300 3/8" X 5" Aluminum Tubing |
| 2 - 5132 3/8" Tubing Joiner Jaws   | 2 - 5302 5/8" X 5" Aluminum Tubing |
| 2 - 5134 5/8" Tubing Joiner Jaws   | 1 - 5140 65g Lok Prep              |
| 2 - 5136 3/8" Aluminum Tube Unions | 2 - 5141 Scuff Pads                |
| 2 - 5138 5/8" Aluminum Tube Unions | 1 - 0070 Two-sided Assortment Box  |

## FMSI #0414

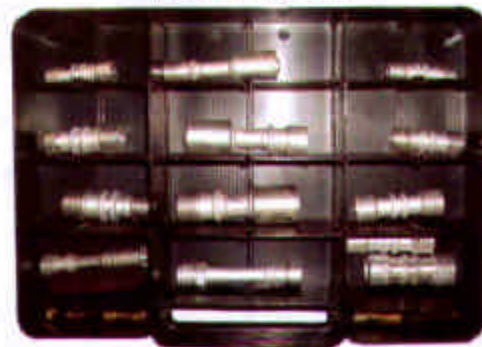


A/C Tube End Repair Assortment

### 0414 CONTENTS

- |   |  |
|---|--|
| 2 - 5171 #6 - 3/8" Male External o-ring   | 2 - 5177 #10 - 5/8" Male External o-ring   |
| 2 - 5172 #6 - 3/8" Male Internal o-ring   | 2 - 5178 #10 - 5/8" Male Internal o-ring   |
| 2 - 5173 #6 - 3/8" Female External o-ring | 2 - 5179 #10 - 5/8" Female External o-ring |
| 2 - 5174 #8 - 1/2" Male External o-ring   | 1 - 5180 #12 - 3/4" Male External o-ring   |
|   | 1 - 5181 #12 - 3/4" Male Internal o-ring   |
|   | 1 - 5182 #12 - 3/4" Female External o-ring |
| 2 - 5175 #6 - 1/2" Male Internal o-ring   | 1 - 0074 Assortment Box                    |
| 2 - 5176 #8 - 1/2" Female External o-ring |  |

## FMSI #0447



Metric Unions, Reducers, Tube Block Offs,  
Orifice Tube Replacements &  
Hose Lock Connectors

### 0447 CONTENTS

- |                                     |                                 |                                      |
|-------------------------------------|---------------------------------|--------------------------------------|
| 1 - 5146 65g Lok Prep               | 1 - 5251 3/4" to #12 Hose Lock  | 1 - 5264 1/4" Tube Block Offs        |
| 1 - 5245 1/2" to 3/8" Reducer Union | 1 - 5256 GM Orifice Tube Repair | 1 - 5265 5/16" - 6mm Tube Block Offs |
| 1 - 5246 5/8" to 1/2" Reducer Union | 1 - 5259 10mm Union             | 1 - 5266 3/8" Tube Block Offs        |
| 1 - 5247 3/4" to 5/8" Reducer Union | 1 - 5260 12mm Union             | 1 - 5267 1/2" 13mm Tube Block Offs   |
| 1 - 5248 3/8" to #6 Hose Lock       | 1 - 5261 14mm Union             | 1 - 5268 5/8" 16mm Tube Block Offs   |
| 1 - 5249 1/2" to #8 Hose Lock       | 1 - 5262 15mm Union             | 1 - 5269 Ford Orifice Tube Repair    |
| 1 - 5250 5/8" to #10 Hose Lock      | 1 - 5263 18mm Union             | 1 - 5270 GM Ford Orifice Tube Repair |

# A/C - COOLANT TUBE REPAIR ASSORTMENTS



# HOSE CRIMPERS

Makes easy work of ferruling all sizes of air conditioning hoses.



FMSI #AR8204

**Professional,  
high quality and  
affordable**

- Leak-free A/C hose repairs
- Crimp all 4 sizes of barrier A/C hose without tool changes
- Hardened Steel Dies #6, #8, #10, #12.

FMSI #AR6300



Crimps ferrules using shop vice.

## 3 STEP HOSE REPAIR KIT ASST.

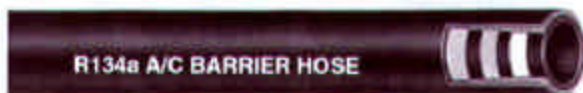
FMSI #AR6350 (individual pieces available)

Re-use and repair AC Hose Fittings.



## A/C REFRIGERANT BARRIER HOSE

For R134a, R12 and other mobile refrigerants.  
25 Foot Coil.



R134a A/C BARRIER HOSE

- FMSI #AR516 - 5/16"
- FMSI #AR1332 - 13/32"
- FMSI #AR12 - 1/2"
- FMSI #AR58 - 5/8"

### Barrier Hose Ferrules

Easily crimped steel ferrules. (OE Sized Hose Ferrules)



- | FMSI # | HOSE SIZE   |
|--------|-------------|
| AC0221 | #6 - 5/16"  |
| AC0222 | #8 - 13/32" |
| AC0223 | #10 - 1/2"  |
| AC0224 | #12 - 5/8"  |

### Reduced Barrier Hose Ferrules

Easily crimped steel ferrules. (OE Sized Hose Ferrules)



- | FMSI # | HOSE SIZE |
|--------|-----------|
| AC0217 | #6 - RB   |
| AC0218 | #8 - RB   |
| AC0219 | #10 - RB  |
| AC0220 | #12 - RB  |

### Oversize Hole Barrier Hose Ferrules

Easily crimped steel ferrules. (Ferrules used in 3-step Repair Assortment AR-6350 above)



- | FMSI # | HOSE SIZE   |
|--------|-------------|
| CR6306 | #6 - 5/16"  |
| CR6308 | #8 - 13/32" |
| CR6310 | #10 - 1/2"  |
| CR6312 | #12 - 5/8"  |

5

## BARRIER HOSE & HOSE FERRULES

# PAG AND ESTER COMPRESSOR OIL



## P.A.G.

- PAG (polyalkylene glycol oil)
- Available in 46, 100, and 150 viscosities
- Used in all vehicles as original equipment with R134a refrigerant (1994 up)
- Less chance of moisture contamination using 8 oz. bottles

**8 oz**  
12 PER CASE

PAG 46 #49602  
PAG 100 #49603  
PAG 150 #49604  
PAG ASSY. #49605  
(# each 49602, 49603, 49604)

**WITH UV DYE**

**8 oz**  
12 PER CASE

PAG 46 #50602  
PAG 100 #50603  
PAG 150 #50604  
PAG ASSY. #50605  
(# each 50602, 50603, 50604)



## ESTER

- Ester (polyol ester oil)
- **Ideal retrofit oil**
- Universal 100 viscosity
- Miscible (mixes) with existing mineral oil in R12 vehicles to continually lubricate compressor

**8 oz**  
12 PER CASE

ESTER 100 #49597

**WITH UV DYE**

**8 oz**  
12 PER CASE

ESTER 100 #51597

**32 oz**

ESTER 100 #49601

**12 Pack**

ESTER 100 #49615

**2oz ESTER OIL CHARGE**



ESTER 100 Oil Charge  
FMSI #49620

## PERFORMANCE SEALANTS AND SYSTEM DRY

### METAL SEALANT



Kool Air Seal #1  
Metal Components and  
Fittings Sealant  
FMSI #AR4237

### O-RING AND HOSE SEALANT



Kool Air Seal #2  
O-Ring and Hose  
Condition Sealant  
FMSI #AR4238

### SYSTEM DRY



System Dry  
Dries System And  
Refrigerant Oil  
(stops oil gelling)  
FMSI #AR4234

### COOL DOWN SUPER LUBE



Cool Down Super Lube  
Quiets Noisy Compressors  
Lowers Vent Temperatures  
FMSI #AR4246

### COMBINE AND TRACTOR SEAL



Combine and Tractor Seal  
Seals Metal Leaks  
Hose Fittings, Evaporators,  
Condensers etc.  
FMSI #AR4241

### TRUCK REEFER AND CENTRAL AIR SEAL



Truck Reefer and Central Air Seal  
Seals Metal Leaks  
Hose Fittings, Evaporators,  
Condensers etc.  
FMSI #AR4240

### 2-CAN PERFORMANCE SEALANT



Complete Performance Sealant  
Contains  
1 - Metal Sealant #AR4237  
1 - O-Ring and Hose Seal #AR4238  
FMSI #AR4242

### 3-CAN PERFORMANCE SEALANT



Complete Performance Sealant  
Contains  
1 - Metal Sealant #AR4237  
1 - O-Ring and Hose Seal #AR4238  
1 - System Dry #AR4234  
FMSI #AR4243

### 3-CAN PERFORMANCE SEALANT 6-PACK



6-Pack Assortment  
with Hose and Can Tap  
FMSI #0372

### 2-CAN PERFORMANCE SEALANT 6-PACK



6-Pack Assortment  
with Hose and Can Tap  
FMSI #0371

## BARRIER HOSE & HOSE FERRULES

# A/C CHEMICALS & REPLA 12a REFRIGERANT



UV Leak Detection  
Fluorescing Dye  
FMSI #AR4280 (8 oz)  
FMSI #AR4285 (12 X 1/2 oz)



Premium Vacuum  
Pump Oil  
FMSI #5098

## EVAPORATOR TREATMENT



- Eliminates offensive odour
  - Prevents future odours by leaving a protective film on evaporator surfaces
  - Kills bacteria, mold & mildew on evaporator surfaces
- FMSI # AR8202 (12 pack)  
FMSI # AR8202-3 (3 pack)

## O-RING LUBRICANT



- Lubricates and holds seals, gaskets, and o-rings in position for assembly
  - Prevents corrosion at fittings and joints
- FMSI # AR8203 (12 pack)  
FMSI # AR8203-3 (3 pack)

## A/C EQUIPMENT PRE-TREATMENT AND FLUSH

FLUSHES A/C SEALANT AND PREVENTS FUTURE BUILD-UP



Refrigerant Recovery and Recycling Equipment  
**PRE-TREATMENT**  
FMSI #AR4250



**FLUSH**  
FMSI #AR4251

## INSTALLATION HOSES

### REPLA 134 REFRIGERANT, SEALANT, SYSTEM DRY & SUPER LUBE



Professional Installation Hose with Can Tap  
(all brass fittings) R134a Coupler  
FMSI #AR4233



Professional Installation Hose  
with Pressure Gauge  
FMSI #AR4252



Professional Installation Hose (all brass fittings)  
R134a Coupler used with AR4245 Can Tap  
FMSI #AR4236

### CAN TAP



Heavy Duty Can Tap used with #AR4236 Hose  
FMSI #AR4245

## ALUMINUM BRAZE



**JOINT AND SEAM FILLER ALUMINUM BRAZE**

Joint and Seam Filler Aluminum Braze  
Low Melt Temperature (Shop Kit)  
Repair Using Regular Propane Torch  
FMSI #AR8209  
One Repair Size Application  
FMSI #AR8210

**GAP AND HOLE ALUMINUM BRAZE**

Gap and Hole Aluminum Braze  
Low Melt Temperature (Shop Kit)  
Repair Using Regular Propane Torch  
FMSI #AR8207  
One Repair Size Application  
FMSI #AR8208



Replaces  
BP2001

**UNIVERSAL EASY BRAZE SHOP KIT**

Universal Easy Braze  
Shop Kit  
FMSI #AR8205

One Repair Size Application  
FMSI #AR8206

**Aluminum Braze Flux**  
1oz. FMSI #AR8211  
4oz. FMSI #AR8212  
8oz. FMSI #AR8213

## REPLA 134 REFRIGERANT

6oz. is equivalent to 16oz. R134a or 18 oz. R12



Refrigerant only  
FMSI #AR4247

With installation hose for R134a systems  
FMSI #AR4248

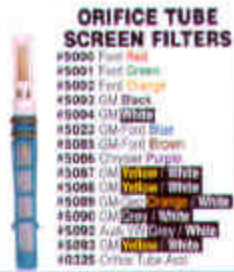
With installation hose for R12 systems  
FMSI #AR4255



**REPLA 134 Refrigerant  
(Equivalent to 36-lb.)  
FMSI #AR4253**

# A/C REPAIR HARDWARE

## ORIFICE TUBES (22 PIECE ASST. #0325)



### ORIFICE TUBE SCREEN FILTERS

- #5000 Ford Red
- #5001 Ford Green
- #5002 Ford Orange
- #5003 GM Black
- #5004 GM Yellow
- #5022 GM-Ford Blue
- #5083 GM-Ford Brown
- #5086 Chrysler Purple
- #5087 GM Yellow/White
- #5088 GM Yellow/White
- #5089 GM Yellow/White
- #5090 GM Grey/White
- #5092 Avia/Day/White
- #5093 GM Yellow/White
- #5025 Orifice Tube Ass't

## VALVE CORE REMOVER



### VALVE CORE INSTALLER/REMOVER

- #5087 Regular valve cores
- #5127 Large bore valve cores

## THREAD CHASER



### REFRIGERATION PORT THREAD CLEANER

- #5094 Clears and re-threads

## R134a PORT INSTALLATION SOCKETS



High Side  
FMSI #5120

Low Side  
FMSI #5126

## R134a REFRIGERANT PORTS (12 PIECE ASST. #0370)



- GM High Side FMSI #5116
- Chrysler/Ford/Mercedes Low Side FMSI #5117
- Chrysler High Side FMSI #5118
- Ford/Chrysler/Jeep High Side FMSI #5119
- Chrysler/Ford/Jeep Low Side FMSI #5120
- GM Low Side FMSI #5121
- GM High Side FMSI #5122
- Chrysler/Ford/Jeep Low Side FMSI #5123
- Ford/Chrysler/Jeep High Side FMSI #5124
- Ford High Side FMSI #5125

## ORIFICE TUBE REPAIR KITS



- #5094
- #5095
- #5096

### ORIFICE TUBE REPAIR KIT

- #5094 GM-Ford evaporator side
- #5095 GM-Ford liquid line
- #5096 Ford evaporator



### ORIFICE TUBE INSTALLER/REMOVER

- #5099 All orifice tubes
- #5100 Broken orifice tube remover
- #5026 Orifice Tube Tool Ass't

## VALVE CORES (24 PIECE ASST. #0324)



- Universal Standard FMSI# 5044
- High Flow JRA FMSI# 5102
- GM High Flow FMSI# 5045
- STV/POA/VIR FMSI# 5103
- Eaton 12mm SSV High Flow FMSI# 5104
- Eaton 16mm SSV High Flow FMSI# 5105

## CHRYSLER METAL SEALING GASKETS (50 PIECE ASST. #0340)



- suction line #5015
- manifold to expansion #5016
- condenser manifold #5017
- receiver dryer #5018
- suction/discharge port #5019
- suction line flange #5020
- TXV to evaporator grid/wire #5021
- manifold to expansion valve #5022
- sealing gasket #5054
- RV2 Sander discharge port #5082
- silver suction sealing washer #5200
- gold suction sealing washer #5201

## ALUMINUM RETROFIT ADAPTERS



- High Side with cap FMSI #5052
- Low Side with cap FMSI #5053

## COMPRESSOR SEALING WASHERS (54 PIECE ASST. #0375 / 47 PIECE ASST. SLIM LINE GASKETS #0445)



- 5/8" GM Black FMSI# 5107
- 5/8" Thin FMSI# 5108
- 3/4" Thin FMSI# 5109
- GM Green FMSI# 5110
- GM Red FMSI# 5111
- GM Yellow FMSI# 5112
- 5/8" Thin (Slipped Black) FMSI# 5113
- Short Pilot Bushing FMSI# 5114
- Long Pilot Bushing FMSI# 5115
- 8mm GM Slim FMSI# 5242
- 11mm GM/Chrysler Slim FMSI# 5243
- 17mm GM Slim FMSI# 5244



## RETROFIT KITS

- Includes 8 oz. Ester Oil, steel adapters, O-rings, caps, and retrofit tabs.

### 0292 CONTENTS Most Domestic & Imports Adapters Only

### 0306 CONTENTS Most Domestic & Imports

### 0306 CONTENTS Older Domestic & Dealer Installed Imports

### 0305C CONTENTS Chrysler with Metal Sealing Gaskets

### 0309 CONTENTS '90-93 GM Vehicles With Large Bore (High Flow) Valve

## STEEL RETROFIT ADAPTERS with SCHRADER VALVE



- High Side #5027 3/8-24 #5039 7/16-20
- Low Side #5038 7/16-20
- Aluminum Primary Seal Port #5040 High side
- SEALING CAPS High #5042 Low #5043
- 90° Elbow #5047 3/8-24 high side #5048 7/16-20 low side #5049 7/16-20 high side

# A/C REPAIR HARDWARE

# ASSORTMENTS



**0291**  
**RETROFIT ADAPTERS,  
 LABELS, AND ORIFICE TUBES**  
 FMSI #0291  
 62 PIECES



**0292**  
**R-134a  
 O-RINGS AND  
 CHRYSLER METAL GASKETS**  
 FMSI #0292  
 138 PIECES



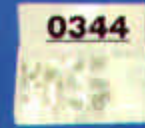
**0307**  
**O-RINGS  
 ALL MOBILE  
 REFRIGERANTS**  
 FMSI #0307  
 86 PIECES



**0324**  
**AC VALVE  
 CORES**  
 FMSI #0324  
 29 PIECES



**0308**  
**COUPLING  
 SPRINGS**  
 FMSI #0307  
 20 PIECES



**0344**  
**R134a  
 GREEN O-RINGS  
 6-8-10-12**  
 FMSI #0344  
 80 PIECES



**0325**  
**ORIFICE TUBES**  
 FMSI #0325  
 22 PIECES



**0326**  
**ORIFICE TUBE REPAIR  
 KITS & TOOLS**  
 FMSI #0325  
 7 PIECES



**0336**  
**O-RINGS  
 R-134a AND OTHER  
 MOBILE REFRIGERANTS**  
 FMSI #0336  
 140 PIECES



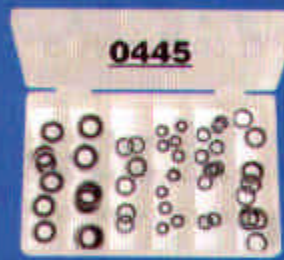
**0340**  
**CHRYSLER METAL  
 SEALING GASKETS**  
 FMSI #0340  
 50 PIECES



**0375**  
**GM MASTER  
 SEALING WASHERS**  
 FMSI #0375  
 54 PIECES



**0378**  
**R134a  
 REFRIGERANT PORTS**  
 FMSI #0378  
 12 PIECES



**0445**  
**GM SLIM LINE  
 SEALING WASHERS**  
 FMSI #0445  
 47 PIECES



**0446**  
**GM ORIFICE TUBES,  
 R-134a SERVICE PORTS  
 AND VALVE CORES**  
 FMSI #0446  
 33 PIECES

INCLUDES CAPTURED O-RINGS



**GM O-Rings, Sealing Washers  
 and Pilot Bushings**  
 FMSI #0400  
 210 Pieces



**Ford O-Rings, Gaskets and  
 Coupling Springs**  
 FMSI #0401  
 216 Pieces



**Chrysler/Jeep O-Rings,  
 Sealing Washers and Gaskets**  
 FMSI #0402  
 156 Pieces



**Import O-Rings  
 Assortment**  
 FMSI #0403  
 120 Pieces

# A/C REPAIR TOOLS



Small Ratcheting Tube Cutter 1/8" to 1/2" OD  
FMSI# 5406



Large Ratcheting Tube Cutter 1/4" to 7/8" OD  
FMSI# 5407



Telescopic Tube Cutter 1/8" to 1-1/8" OD  
FMSI# 5408



FMSI# 5409



FMSI# 5410

HARDENED & STAINLESS STEEL

Replacement Cutting Wheels for FMSI# 5406, 5407, and 5408



120° Tube Cutter for all A/C Tubing (3/16" to 5/8")  
FMSI# 5151



Tube Bender 180° 3-in-1 (1/4" - 5/16" - 3/8")  
FMSI# 5402



Dye and Refrigerant Oil Injector  
FMSI# AR6222

## Professional UV LED Lights



UV 3 Light Head 17" Flex Extension  
FMSI #AR9200



A/C Dye Cartridge Plunger Tool allows refilling of non-refillable UV Dye Cartridges  
FMSI #5129



Swaging Tool 3/16" up to 3/8"  
FMSI# 5400



UV 1 Light with mirror  
FMSI #AR4264

## Suction Filters



W/11 2 BANGS W/11 ON STYLE PAD MOUNT



W/12 ON 179 AND 181 FROM 96-UP (CAR LINE) W/12 ON 95-UP (MPV 3.50")



W/13 CAR LINE W/13 ALL ON 2002PT STYLE V-JOHN BLOCK 14" X 3.50" OR 14" X 3.50" W/13 ON 179 AND 181



W/14 FORD F150 COMPARTMENT (ENGINE) W/14



W/15 FORD F150 DUAL PORT AND SOME 18P 18P/2002/2003 BLOCK



W/16 FORD F150 AND F150



W/17 CHEVYLET 1817



W/18 CHEVYLET FROM 1994 AND 1995



W/19 1994 CHEVYLET



W/20 NISSAN PRODUCTS 3 BUILT FORD BLOCK 1817, 1818, 1819, 1820, 1821



### THE PROBLEM

When an A/C System has a major compressor failure, some of the debris can be carried backward through the compressor and into the low pressure side of the A/C system. Flushing cannot remove all of the debris. **Damage** occurs when the debris loosens and enters the compressor on start-up.

### THE SOLUTION FMSI SUCTION FILTERS

Mounts directly on the compressor, is **EASY** to INSTALL. They offer **EXTENSIVE COVERAGE** for **DOMESTIC & IMPORT** vehicles. Does not require lines to be cut, or special tools for installation or removal. Can be cleaned and re-used. Screen cannot become dislodged and enter the compressor. Comes complete with all hardware to re-install lines.

W/21 NISSAN PRODUCTS 1817, 1818, 1819, 1820, 1821	
W/22 MITSUBISHI 1790, 1818	
W/23 MITSUBISHI 1818 AND 1819	
W/24 1994 FORD 1817 AND 1818	
W/25 TOYOTA 1817 AND 1818	
W/26 1994 FORD 1817 AND 1818	
W/27 1994 FORD 1817 AND 1818	
W/28 1994 FORD 1817 AND 1818	
W/29 1994 FORD 1817 AND 1818	
W/30 1994 FORD 1817 AND 1818	
W/31 1994 FORD 1817 AND 1818	
W/32 1994 FORD 1817 AND 1818	
W/33 1994 FORD 1817 AND 1818	
W/34 1994 FORD 1817 AND 1818	
W/35 1994 FORD 1817 AND 1818	
W/36 1994 FORD 1817 AND 1818	
W/37 1994 FORD 1817 AND 1818	
W/38 1994 FORD 1817 AND 1818	
W/39 1994 FORD 1817 AND 1818	
W/40 1994 FORD 1817 AND 1818	
W/41 1994 FORD 1817 AND 1818	
W/42 1994 FORD 1817 AND 1818	
W/43 1994 FORD 1817 AND 1818	
W/44 1994 FORD 1817 AND 1818	
W/45 1994 FORD 1817 AND 1818	
W/46 1994 FORD 1817 AND 1818	
W/47 1994 FORD 1817 AND 1818	
W/48 1994 FORD 1817 AND 1818	
W/49 1994 FORD 1817 AND 1818	
W/50 1994 FORD 1817 AND 1818	
W/51 1994 FORD 1817 AND 1818	
W/52 1994 FORD 1817 AND 1818	
W/53 1994 FORD 1817 AND 1818	
W/54 1994 FORD 1817 AND 1818	
W/55 1994 FORD 1817 AND 1818	
W/56 1994 FORD 1817 AND 1818	
W/57 1994 FORD 1817 AND 1818	
W/58 1994 FORD 1817 AND 1818	
W/59 1994 FORD 1817 AND 1818	
W/60 1994 FORD 1817 AND 1818	
W/61 1994 FORD 1817 AND 1818	
W/62 1994 FORD 1817 AND 1818	
W/63 1994 FORD 1817 AND 1818	
W/64 1994 FORD 1817 AND 1818	
W/65 1994 FORD 1817 AND 1818	
W/66 1994 FORD 1817 AND 1818	
W/67 1994 FORD 1817 AND 1818	
W/68 1994 FORD 1817 AND 1818	
W/69 1994 FORD 1817 AND 1818	
W/70 1994 FORD 1817 AND 1818	
W/71 1994 FORD 1817 AND 1818	
W/72 1994 FORD 1817 AND 1818	
W/73 1994 FORD 1817 AND 1818	
W/74 1994 FORD 1817 AND 1818	
W/75 1994 FORD 1817 AND 1818	
W/76 1994 FORD 1817 AND 1818	
W/77 1994 FORD 1817 AND 1818	
W/78 1994 FORD 1817 AND 1818	
W/79 1994 FORD 1817 AND 1818	
W/80 1994 FORD 1817 AND 1818	
W/81 1994 FORD 1817 AND 1818	
W/82 1994 FORD 1817 AND 1818	
W/83 1994 FORD 1817 AND 1818	
W/84 1994 FORD 1817 AND 1818	
W/85 1994 FORD 1817 AND 1818	
W/86 1994 FORD 1817 AND 1818	
W/87 1994 FORD 1817 AND 1818	
W/88 1994 FORD 1817 AND 1818	
W/89 1994 FORD 1817 AND 1818	
W/90 1994 FORD 1817 AND 1818	
W/91 1994 FORD 1817 AND 1818	
W/92 1994 FORD 1817 AND 1818	
W/93 1994 FORD 1817 AND 1818	
W/94 1994 FORD 1817 AND 1818	
W/95 1994 FORD 1817 AND 1818	
W/96 1994 FORD 1817 AND 1818	
W/97 1994 FORD 1817 AND 1818	
W/98 1994 FORD 1817 AND 1818	
W/99 1994 FORD 1817 AND 1818	
W/100 1994 FORD 1817 AND 1818	

## SUCTION FILTER REPAIR KITS

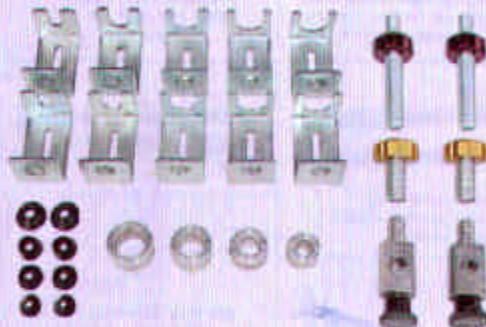
# A/C FLUSH MACHINES AND SOLVENT

PROBLEM SOLVING AUTOMOTIVE AIR CONDITIONING REPAIR

## UNIVERSAL FLUSH ADAPTOR KIT



## CONTENTS OF UNIVERSAL FLUSH ADAPTOR KIT



### AR6225 CONTENTS

- 2 - #6 Bracket
- 2 - #8 Bracket
- 2 - #10 Bracket
- 2 - #12 Bracket
- 2 - #12 L-Bracket
- 2 - Straight Flush Fitting
- 2 - Flush Locking Screw
- 2 - 90° Flush Fitting

- 1 - #6 Aluminum Spacer
- 1 - #8 Aluminum Spacer
- 1 - #10 Aluminum Spacer
- 1 - #12 Aluminum Spacer
- 1 - Garter Spring
- 4 - #6 Neoprene Flush Seal
- 4 - #8 Neoprene Flush Seal
- 4 - Large Tapper Flush Seal
- 4 - Small Tapper Flush Seal

## A/C FLUSH MACHINE



After compressor failure, A/C system components must be flushed to ensure warranty eligibility.

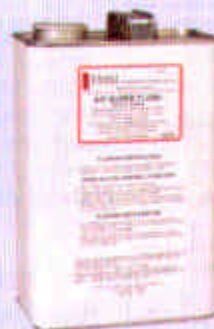
## FLUSH GUN AND SOLVENT



FMSI Flush Solvent  
Quick Dry Ultra Fast System Flush  
20.5oz. Aerosol  
FMSI #AR8201 (12 Pack)  
FMSI #AR8201-3 (3 Pack)



Flush Gun  
Quick and Easy Way to Flush  
Condensers, Evaporators, Hoses etc.  
FMSI #AR6223



FMSI Flush Solvent  
Quick Dry Ultra Fast System Flush  
128oz. Gallon  
FMSI #AR4202

- A must after compressor failure or when internal corrosion is present
- Safe for all A/C systems
- Will not harm o-rings and seals
- Removes oil & contaminants from hoses, condensers & evaporators
- Non corrosive
- Evaporates quickly
- Leaves no residue

## FMSI AUTOMOTIVE HARDWARE INC.

1-800-651-7445 • Fax: 905-335-1829

Email: info@fmsiinc.com HTTP://www.fmsiinc.com