



PROBLEM SOLVING AUTOMOTIVE HARDWARE FOR GERMAN AUTOMOBILES

Mercedes, BMW, Audi, Volkswagan, Porsche

DOMESTIC & IMPORT VEHICLE NEW GENERATION BRAKE LINE LENGTHS

CUPRO NICKEL TUBING MADE UP LINES AVAILABLE IN

8" to 72" - 3/16" - 1/4" - 5/16" - 3/8"

DIN 74234 • SAEJ1650

GET THE RIGHT LENGTH FOR CARS YOU WORK ON TODAY!

Poly Vinyl Floride ★ ★ ★ ★

Meets or exceeds specification for brake line tubing
DIN2444 • SAE-J527 • ASTM254 • GM123M • MS1806

Tubes of		5	
Length	Tube Diameter (3/16) 4.75mm O.D.	Euro/Dom	Part No.
7"		PVFKMB7	
8"		PVFKMB8	
9"		PVFKMB9	
12"		PVFKMB12	
13"		PVFKMB13	
16"		PVFKMB16	
20"		PVFKMB20	
21"		PVFKMB21	
23"		PVFKMB23	
27"		PVFKMB27	
30"		PVFKMB30	
31"		PVFKMB31	
33"		PVFKMB33	
37"		PVFKMB37	
40"		PVFKMB40	
43"		PVFKMB43	
48"		PVFKMB48	
51"		PVFKMB51	
56"		PVFKMB56	
60"		PVFKMB60	
66"		PVFKMB66	
72"		PVFKMB72	
84"		PVFKMB84	
86"		PVFKMB86	
92"		PVFKMB92	
96"		PVFKMB96	
Union		3044	

Part #	Size	Usage
CN3	3/16"x 25'	Brake Lines
CN3-50	3/16"x 50'	Brake Lines
CN3-100	3/16"x 100'	Brake Lines
CN4	1/4" x 25'	Brake Lines
CN4-50	1/4" x 50'	Brake Lines
CN4-100	1/4" x 100'	Brake Lines
CN5	5/16" x 25'	Fuel-Trans* Lines
CN6	3/8" x 25'	Fuel-Trans* Lines
CN7	6mm x 25'	Brake Lines
CN8	1/2" x 25'	Diesel Fuel, Trans* Lines
CN10M	10mm x 25'	Fuel-Trans* Lines
CN12M	12mm x 25'	Fuel-Trans* Lines

NOTE: * Transmission



CUPRONICKEL
Repair lines are easy bend and are guaranteed for the life of the vehicle.

360° Seal Clamps

100% seal between clamp inner band and outside of tubing with no gaps or damage to hose



Part #	Size	Hose I.D	Application
2940	7.0mm	9/32"	6mm - 1/4" nylon fuel lines (2997)
2950	8.7mm	11/32"	8mm - 5/16" nylon fuel lines (2962)
2980	9.5mm	3/8"	8mm - 5/16" nylon fuel lines (2962)
2981	10.5mm	13/32"	3/8" nylon fuel line (2963)
2982	11.3mm	7/16"	10mm nylon fuel lines (2998)
2983	12.3mm	15/32"	Fuel, Transmission & Coolant hose
2984	13.3mm	1/2"	Fuel, Transmission & Coolant hose
2985	14.5mm	9/16"	Fuel, Transmission & Coolant hose
2986	15.7mm	7/8"	1/4" shop air line
2987	17.0mm	11/16"	3/8" shop air line
2988	18.5mm	23/32"	3/8" shop air line
3227	19.8mm	25/32"	Fuel, Transmission & Coolant hose
2989	21.0mm	13/16"	Fuel, Transmission & Coolant hose
2990	24.1mm	15/16"	Use with item # 4204 (5/8")
2991	25.6mm	1"	Fuel, Transmission & Coolant hose
2995	28.6mm	1-1/8"	Use with item # 4205 - 4215

Recommend Part No. 5414 pliers to close 360° Seal clamps See Page 4

Fuel Injection Hose Clamps

Part #	Tube O.D
FI2	7mm - 9mm Fuel Injection Hose
FI4	1/4" Fuel Injection Hose
FI6	5/16" Fuel Injection Hose
FI8	3/8" Fuel Injection Hose
FI10	10mm-12mm Fuel Injection Hose



Transmission Repair Lines

Part #	Description
PVF10-72	10mm line x 78" No End Forms or Fittings
PVF12-72	12mm line x 78" No End Forms or Fittings



Black Nylon Fuel Line Tubing

Easily repair or replace damaged and corroded steel or nylon fuel line or splice directly on to Original Equipment lines



220-250 p.s.i
Working Pressure
800-1000 p.s.i
Burst Pressure



Approved and Rated for Gas & Diesel

Part #	Tube O.D	Coil Length
2962 - 25	5/16" (8mm)	25'
2962 -100	5/16" (8mm)	100'
2962 - 1000	5/16" (8mm)	1000'
2963 - 25	10mm	25'
2963 - 100	10mm	100'
2963 - 1000	10mm	1000'
2997 - 25	1/4"	25'
2997 - 100	1/4"	100'

Part #	Tube O.D	Coil Length
2997 - 1000	1/4"	1000'
2998 - 25	3/8"	25'
2998 - 100	3/8"	100'
2998 - 1000	3/8"	1000'
3350 - 10	1/2"	10'
3350 - 25	1/2"	25'
3351-10	5/8"	10'
3351-25	5/8"	25'

Cutting Tips & Silencer Bands

Brake Lathe Cutting Tips



060-10
ACCUTURN models 8911, 8922, 8944, 8989, 8991, & 8993 11° angle, 1/64" radius



060-10S
PRO-CUT models 610 on car lathe
VBG models 600 & 610 on car lathe



062-10
AMMCO Models 1000, 1001, 3000, 4000, 4100, 7000, 7700 & 700, 705, 710 **ALLTOOL** model 747 **RELS** model 2000 **FMC** model 500 RTI on car lathe **PERFORMANCE** model 7850 & on car lathes 66, 6600, 7100, 7200, 7600 **RTI** model BRC-35 on car lathe **HUNTER** model BL500 **STAR** model 1176



066-10
ROUND CUTTING TIP used in place of 062-10 and 802-10 cutting tips Must use with # 428 Tool holder. (Extra-long life)



103-10
AMMCO MODELS 3850 & 3860 **RTI** MODELS BRC 35, BRC500, BRC 550, 450-80001-00 & 450-80002-00 **FMC - JOHN BEAN** MODEL 500 ON CAR LATHE **ALL-TOOL** MODEL 747 **HUNTER** MODEL BL500, BL605 **PERFORMANCE** MODEL 66, 6600, 7100, 7200 & 7600



407-10
FMC - JOHN BEAN/BARRETTE .020 RADIUS MODELS 67BSD, 67DLX, 67GSA, 69DLX, 701ECF, 601PF **FMC** 400, 500, 600 & 700 **HOFFMAN, RJ WEST TRUE CUT** MODEL 400, 401 **PERFECT EQUIPMENT** MODEL 400, P450



802-10
KWIKWAY / SNAP-ON models ND, BDL, CBL & KWIK LATHE on car lathe 108-005-04, SDL & DL **ROTUNDA** model 850 disc lathe **RELS** model SW504 swing arm lathe **SNAP-ON** models YA180 & YA281

For complete listing of cutting tips please visit www.fmsiinc.com

Silencer Bands

68B

Rotor silencer (with flat weights and flexible attaching clip) **Black Neoprene** excellent resistance to oil and chemicals. All rotors



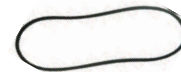
69

Rotor silencer (with flat weights and flexible attaching clip) **Natural rubber beige** All rotors



94

Rotor silencer band 9" diameter Black Neoprene Excellent resistance to oil and chemicals. Solid rotors



95

Rotor silencer 9" diameter Latex tubing with steel weights. All rotors

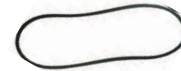


95S

7" Diameter Latex tubing

96

Rotor silencer band 6 1/2" diameter Black Neoprene Excellent resistance to oil and chemicals. Solid Rotors



80B

Drum silencer band with long life attaching Hardware Natural rubber beige. All drums



70B

Rotor Silencer chip deflector. All rotors



Power Steering Rack Repair Assortment

Part No. - 0128



Repairing Power Steering Rack lines has never been so easy. 30" Long Cupro Nickel replacement lines are easy bend and end formed, making power steering line reproductions a breeze.

This 52 piece assortment has the best coverage of tube nut fittings from Audi, BMW, Mercedes and more.

Contents of Assortment

Part #	Description	Qty
2803	1/4" O-Ring	4
2880	3/8" Viton O-Ring	4
2881	5/16" Viton O-Ring	2
3006	5/16" x 1/2" - 20 Tube Nut	4
3008	3/8" x 16mm Tube Nut	2
3009	5/16" x 14mm Tube Nut	2
3015	3/8" x 5/8" - 18 Tube Nut	4
3433	1/4" x 12mm x 1.25 Tube Nut	2
3434	3/8" x 16mm x 1.5 Tube Nut	2
3435	3/8" x 16mm x 1.5 Tube Nut	2
3436	3/8" x 18mm x 1.5 Tube Nut	2
3438	3/8" x 18mm - 18 Tube Nut	2
3442	3/8" x 5/8" - 18 Tube Nut	2
3443	5/16" x 5/8" - 18 Tube Nut	2
3452	1/4" High Pressure Compression Union	1
3453	5/16" High Pressure Compression Union	1
3454	3/8" High Pressure Compression Union	1
3462	1/4" x 9/16" - 18 Tube Nut	2
3464	3/8" x 16mm x 1.5 Tube Nut	2
3489	5/16" x 1/2" - 20 Female Tube Nut	2
4531	5/16" x 30" - Invert Flare - Cupro Nickel Line	1
4532	5/16" x 30" - O-Ring Flare - Cupro Nickel Line	2
4533	3/8" x 30" - Invert Flare - Cupro Nickel Line	1
4534	3/8" x 30" - O-Ring Flare - Cupro Nickel Line	2
4537	1/4" x 30" - O-Ring Flare - Cupro Nickel Line	1



OE OIL PAN DRAIN PLUGS

Call for Application Guide

Part #	Description	Hex	Gasket	Overall Length	Under Head Length
1044 OE#: BMW 11-131-250-089 11-131-273-093	Hex head with gasket BMW 12mm x 1.5	11/16"	2161	26.06mm	18.64mm
1081	Oil Drain Plug BMW/Mercedes 12mm x 1.5	17mm	2152	18mm	12mm
1082 OE#: BMW 07-119-919-225 OE#: MERC 029-997-34-30	Oil Drain Plug BMW/Mercedes 12mm x 1.5	13mm	2152	21mm	12mm
1017 OE#: VW N902 88901 N906 60601	Hex head Volkswagen 14mm x 1.5	19mm	2078	24.02mm	13.66mm
1041	Hex head washer face Magnetic tip 14mm x 1.5	13mm	2077	30.00mm	19.66mm
1046 OE#: MERC 111-997-03-30 601-997-02-30	Hex head washer face Mercedes 14mm x 1.5	13mm	2085	33.32mm	23.87mm
1013 OE#: BMW 059-103-193	Internal Drive Washer Face 26mm X 1.5 Mercedes, Audi, VW	15mm (Int)	2085	18mm	14.47mm
1055 OE#: VW N908 13201 N911 01401	W/Attached Washer 14mm x 1.50 VW - Audi	19mm	-	30mm	22.86mm

High Pressure Unions

Part #	Tube Size	
3451	3/16"	<ul style="list-style-type: none"> • 5000 PSI burst pressure • 1200 PSI working pressure • Compatible with all metal tubes. <p>High Pressure Compression Union 5,000 psi</p>
3452	1/4"	
3453	5/16"	
3454	3/8"	
3459	10mm	
3460	12mm	
3461	3/8" to 10mm	

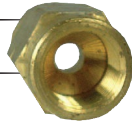
OE OIL DRAIN PLUG GASKETS

Copper		Aluminum	
Part #	Style	Part #	Style
2077	12mm	2152	12mm
2078	14mm	2161	12mm
2058	26mm	2160	14mm



SOLUTIONS FOR GERMAN AUTOMOBILES

Bubble Flare Unions



Part #	Tube Size	Thread Diameter	Thread Per Inch	Edelmann	Weatherhead
3044	3/16"	10mm	1.0	276000	7975
4238	6mm 3/16" & 1/4"	12mm	1.0	277000	7936

Metric 6mm Bubble Flare Tube Nuts



Part #	Tube Size	Thread Diameter	Thread Pitch
3421	6mm	12mm	1.0 (Olive)

Metric & Imperial Bubble Flare Tube Nuts



Part #	Tube Size	Thread Diameter	Thread Pitch
3028	3/16"	10mm	1.0 European and Domestic (Olive)
3413	1/4"	12mm	1.0 Ford and Imports (Olive)
3414	3/16"	10mm	1.0 Volkswagen and Audi (Violet)
3477	3/16"	11mm	1.0 (Violet)
3490	1/4"	11mm	1.0 (Violet)
3492	3/16"	10mm	1.5 (Violet)
3495	1/4"	12mm	1.5 (Gold)
3496	1/4"	12mm	1.0 (Gold)

Bending, Flaring, Cutting & Disconnect Tools

Tube Benders & Straightener

Part # 5402



0° - 180° for 1/4" - 5/16" & 3/8" Tubing

Part # 5415



Heavy Duty brake line tube bender pliers
3/16" - 1/4" & 6mm Tubing

Part # 5416



Grooved Roller Pliers
(3/16" 1/4", 5/16" & 3/8") *(6mm, 8mm, 10mm)

Part # 5417



Large Diameter Hand Bender with aluminum guide
16mm, 22mm O.D. Copper and aluminum tubing.
Bends 1/2" - 5/8" - 3/4" & 7/8"
12mm - 15mm - 16mm & 22mm

Part # 5414



360° Seal Clamp Pincers

Part # 5426



Brake Line tube straightener
Straighten steel tubing coils
3/16", 1/4" 5/16", 3/8" & 1/2"

Cutting Tools



Part # 5406 Small ratcheting tube cutter
1/8" - 1/2" OD

Part # 5407 Large ratcheting tube cutter
1/4" - 7/8" OD



Part # 5408 Telescopic tube cutter w/ reamer
1/8" - 1 1/8" OD

Part # 5409 Used with Part # 5406
Replacement cutting wheels



Part # 5410 Used with Part # 5407 & 5408

Flaring Tools

Part # 5403

Hardened, Double (Standard)
Manual Flaring Tool



Replacement Anvils *(5403)



3/16"
5412

1/4"
5418

5/16"
5419

3/8"
5420

Part # 5405

Hardened, Double (Metric)
Manual Flaring Tool



Replacement Anvils *(5405)



4.75mm
5421

6mm
5422

8mm
5423

10mm
5424



Tube Swage
5425



SOLUTIONS FOR GERMAN AUTOMOBILES

A/C Line Repair, Replace & Block Offs



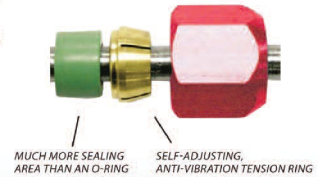
FMSI SMART SPLICE 5-MINUTE FIX: NO LINE REMOVAL

SMART SPLICE™ patented line repair products offer quick and durable repair for splicing, terminating, connecting hose and metal, or adding a service port to a line.

WHAT MAKES IT SMART

All SMART SPLICE™ line repair products are superior to traditional compression fittings thanks to our proprietary sealing technology that contributes to long service life:

- UNIQUE HNBR SEAL SLEEVE DRAMATICALLY EXPANDS THE SEALING SURFACE AREA
- HIGH TECH ANTI-VIBRATION TENSION RING INSURES REPAIR DURABILITY IN HEAVY VIBRATION AUTOMOTIVE APPLICATIONS



Straight Line Splices (Standard & Metric)



Part No.	Description
76000	Universal Line Splice 1/2", 3/8" & 5/16"
76001	Line Splice 1/2"
76002	Line Splice 3/8"
76003	Line Splice 5/16"
76011	Line Splice 5/8"
76012	Line Splice 3/4"
77010	Line Splice 10mm
77012	Line Splice 12mm
77015	Line Splice 15mm

Straight Line Reducers (Standard & Metric)



Part No.	Description
76004	Line Splice Reducer 3/8" - 5/16"
76005	Line Splice Reducer 1/2" - 5/16"
76006	Line Splice Reducer 1/2" - 3/8"
77103	Line Splice Reducer 12mm - 10mm

Tube to Hose Repair Fittings



Part No.	Description
5601	5/16" Tube to 5/16" Hose (RB516)
5602	3/8" Tube to 5/16" Hose (RB516)
5603	1/2" tube to 13/32" Hose (RB1332)
5604	5/8" Tube to 1/2" Hose (RB12)
5610	3/4" Tube to 5/8" Hose (RB58)

Tube to Hose Repair Line Sets

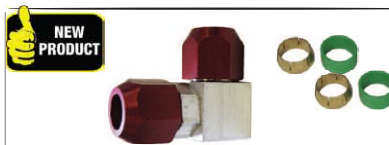


Routing new A/C lines has never been so easy!

Each line set comes complete with 2 fittings with securing hardware and 12ft of approved A/C reduced barrier hose.

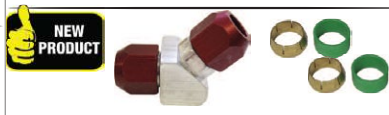
Part No.	Description
5605	5/16" tube to Hose Line Set (12') (RB516 hose)
5606	3/8" tube to Hose Line Set (12') (RB516 hose)
5607	1/2" tube to Hose Line Set (12') (RB1332 hose)
5608	5/8" tube to Hose Line Set (12') (RB12 hose)
5609	3/4" tube to Hose Line Set (12') (RB58 hose)

90° Line Splices (Standard)



Part No.	Description
76071	90° Line Splice 1/2"
76072	90° Line Splice 3/8"
76073	90° Line Splice 5/16"
76074	90° Line Splice 5/8"

45° Line Splices (Standard)



Part No.	Description
76061	45° Line Splice 1/2"
76062	45° Line Splice 3/8"
76063	45° Line Splice 5/16"
76064	45° Line Splice 5/8"

90° Tube to Hose Repair Line Sets



Part No.	Description
5613	5/16" Tube x 90° to 5/16" Hose (RB516)
5614	3/8" Tube x 90° to 5/16" Hose (RB516)
5615	1/2" Tube x 90° to 13/32" Hose (RB1332)
5616	5/8" Tube x 90° to 1/2" Hose (RB12)
5617	3/4" Tube x 90° to 5/8" Hose (RB58)

45° Tube to Hose Repair Line Sets



Part No.	Description
5618	5/16" Tube x 90° Line Set (RB516 hose)
5619	3/8" Tube x 90° Line Set (RB516 hose)
5620	1/2" Tube x 90° Line Set (RB1332 hose)
5621	5/8" Tube x 90° Line Set (RB12 hose)
5622	3/4" Tube x 90° Line Set (RB516 hose)

TERMINATORS/Block offs (Standard & Metric)



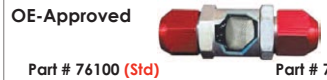
Part No.	Description
76500	Universal Line Terminator 5/16", 3/8" & 1/2"
76501	Line Terminator 1/2"
76502	Line Terminator 3/8"
76503	Line Terminator 5/16"
76504	Line Terminator 5/8"
76505	Line Terminator 3/4"
77510	Line Terminator 10mm
77512	Line Terminator 12mm
77516	Line Terminator 16mm

Block Off Cap Assortment # 0133

Block off Hardware

Part No.	Description
5031	O-Ring for 6050
5032	O-Ring for 6051
6050	End Cap for 76001-76003
6051	End Cap for 76011

High Side Inline Filters (Standard & Metric)



Part # 76100 (Std) High Side Filter 5/16", 3/8" & 1/2"
Part # 77100 (Met) High Side Filter 10mm & 12mm

Protect the condenser and other new A/C Components

- Traps metal shavings and non-metallic debris.
- Tapered design forces debris to side.
- Allows continual refrigerant flow, even during filtration
- Works with TXV or CCOT systems

High & Low Side Service Port Fittings



Part No.	Description
76201	Line Splice Low Side Service "T" for 1/2" OD line
76202	Line Splice Low Side Service "T" for 3/8" OD line
76204	Line Splice Low Side Service "T" for 5/8" OD line
Part No.	Description
76212	Line Splice High Side Service "T" for 5/16" OD line
76213	Line Splice High Side Service "T" for 3/8" OD line
76214	Line Splice High Side Service "T" for 1/2" OD line



SOLUTIONS FOR GERMAN AUTOMOBILES

A/C Line Repair, Replace & Assortments

FMSI Smart Splice Air Conditioning Line Repair & Block off Master Assortment

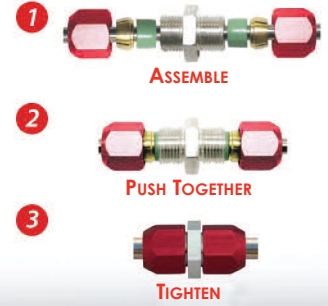
No waiting for expensive, out of stock dealer lines

Repair leaking lines while the customer waits...

Easily repair leaking Air Conditioning, Coolant, Transmission & Oil Cooler Lines with FMSI Automotive Hardware's Range of Line splice, Block off Caps & Line Set Assortments.

Route new line sets around Filler necks and gas tanks or through frame rails without specialty tools or invasive techniques.

AS EASY AS...



Smart Splice™ Air Conditioning Line Repair & Block off Master Assortments

Part # 0117M



Part No.	Description	Qty
76000	Universal Line Splice 1/2", 3/8" & 5/16"	1
76002	Line Splice 3/8"	1
76011	Line Splice 5/8"	2
76012	Line Splice 3/4"	1
76505	Line Terminator 3/4"	1
5031	O-Ring for 6050	2
5032	O-Ring for 6051	2
6050	End Cap for 76001-76003	2
6051	End Cap for 76011	2
31879	Heavy Duty Thread locker	1
5300	3/8" x 5' Aluminum Tube	1
5301	1/2" x 5' Aluminum Tube	1
5302	5/8" x 5' Aluminum Tube	1
5303	3/4" x 5' Aluminum Tube	1

Part # 0132



Part No.	Description	Qty
5601	5/16" Hose to tube repair Fitting with Securing Clamps	2
5602	3/8" Hose to tube repair Fitting with Securing Clamps	2
5603	1/2" Hose to tube repair Fitting with Securing Clamps	2
5604	5/8" Hose to tube repair Fitting with Securing Clamps	2
5610	3/4" Hose to tube repair Fitting with Securing Clamps	2
RB516-12	5/16" x 12' A/C Approved Reduced Barrier Hose	1
RB1332-12	13/32" x 12' A/C Approved Reduced Barrier Hose	1
RB12-12	1/2" x 12' A/C Approved Reduced Barrier Hose	1
RB58-12	5/8" x 12' A/C Approved Reduced Barrier Hose	1

Smart Splice™ Air Conditioning Replacement Elbow Repair Line Assortments

Part # 0127



Part No.	Description	Qty
5601	5/16" Hose to tube repair Fitting with Securing Clamps	1
5602	3/8" Hose to tube repair Fitting with Securing Clamps	1
5603	1/2" Hose to tube repair Fitting with Securing Clamps	1
5604	5/8" Hose to tube repair Fitting with Securing Clamps	1
5610	3/4" Hose to tube repair Fitting with Securing Clamps	1
5623	5/16" x 90° Hose to tube repair Fitting with Securing Clamps	1
5624	3/8" x 90° Hose to tube repair Fitting with Securing Clamps	1
5625	1/2" x 90° Hose to tube repair Fitting with Securing Clamps	1
5626	5/8" x 90° Hose to tube repair Fitting with Securing Clamps	1
RB516-12	5/16" x 12' A/C Approved Reduced Barrier Hose	1
RB1332-12	13/32" x 12' A/C Approved Reduced Barrier Hose	1
RB12-12	1/2" x 12' A/C Approved Reduced Barrier Hose	1
RB58-12	5/8" x 12' A/C Approved Reduced Barrier Hose	1

Part # 0124



Part No.	Description	Qty
5601	5/16" Hose to tube repair Fitting with Securing Clamps	1
5602	3/8" Hose to tube repair Fitting with Securing Clamps	1
5603	1/2" Hose to tube repair Fitting with Securing Clamps	1
5604	5/8" Hose to tube repair Fitting with Securing Clamps	1
5610	3/4" Hose to tube repair Fitting with Securing Clamps	1
5627	5/16" x 45° Hose to tube repair Fitting with Securing Clamps	1
5628	3/8" x 45° Hose to tube repair Fitting with Securing Clamps	1
5629	1/2" x 45° Hose to tube repair Fitting with Securing Clamps	1
5630	5/8" x 45° Hose to tube repair Fitting with Securing Clamps	1
RB516-12	5/16" x 12' A/C Approved Reduced Barrier Hose	1
RB1332-12	13/32" x 12' A/C Approved Reduced Barrier Hose	1
RB12-12	1/2" x 12' A/C Approved Reduced Barrier Hose	1
RB58-12	5/8" x 12' A/C Approved Reduced Barrier Hose	1



FMSI Air Conditioning Line Repair & Rear Line Solutions



The most reliable aluminum tube joining system available in the automotive aftermarket.

- For universal use, independent of vehicle type and model year.
- No waiting for expensive OE parts.
- No welding, soldering or threading necessary
- In many cases, the faulty line may not even need to be removed.
- OEM trusted for over 30 years.

Tool & Accessories



Jaws Not included

Part No.	Description
5131	Ratcheting aluminum tubing joiner
5289	Replacement jaw pin



Sold individually without "HP" Suffix

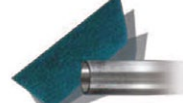
5142HP	5/16" (8mm) Tubing joiner jaw
5132HP	3/8" (10mm) Tubing joiner jaw
5133HP	1/2" (12mm) Tubing joiner jaw
5134HP	5/16" (14mm - 16mm) Tubing joiner jaw
5135HP	3/4" (19mm) Tubing joiner jaw



An anaerobic sealant that expands and contracts with the tube and fills grooves to ensure the integrity of the tube connection. LOK PREP must be used with every connection.



5140	LOK-PREP Anaerobic sealant
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5141	Aluminum tubing scuff pad
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Aluminum Unions (Standard)



Part No.	Description
5143	5/16" (8mm)
5136	3/8"
5137	1/2"
5138	5/8" (16mm)
5139	3/4" (19mm)

Aluminum Unions (Metric)



Part No.	Description
5259	10mm
5260	12mm
5261	14mm
5262	15mm
5263	18mm

Steel & Copper Union (Standard)

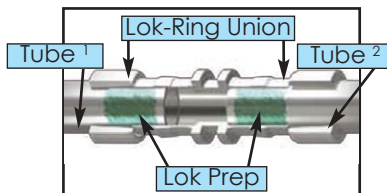


Part No.	Description
5144	5/16" (8mm)
5145	3/8"
5146	1/2"
5147	5/8" (16mm)
5148	3/4" (19mm)

Aluminum Tubing Block Off Caps



Part No.	Description
5264	1/4"
5265	5/16" (8mm)
5266	3/8" (9.5mm)
5267	1/2" (12mm)
5268	5/8" (16mm)
5350	3/4" (19mm)



90° Elbow Unions (Metric)



Part No.	Description
5294	10mm
5295	12mm
5296	15mm
5297	18mm

Aluminum Reducer Unions (Standard)



Part No.	Description
5245	1/2" to 3/8"
5246	5/8" to 1/2"
5247	3/4" to 5/8"
5374	3/8" to 5/16"
*5399	5/8" (16mm) to 14.5

*Honda Odyssey Repair

90° Elbow Unions (Standard)



Part No.	Description
5290	3/8" (9.5mm)
5291	1/2"
5292	5/8" (16mm)
5293	3/4" (19mm)

90° Aluminum Elbow Unions (Metric)



Part No.	Description
5394	5/16" (8mm)
5395	3/8"
5396	1/2"
5397	5/8" (16mm)
5398	3/4" (19mm)

R134a Low Side Splice Service Port



Part No.	Description
5279	10mm
5280	12mm
5281	1/2"
5282	5/8"
5283	3/4"

R134a High Side Splice Service Port



Part No.	Description
5284	8mm
5285	3/8"
5286	10mm
5287	12mm
5288	1/2"

"T" Tap For Add-on Air Conditioning



Part No.	Description
5271	3/8"
5272	1/2"
5273	5/8"
5274	3/4"

Aluminum Tube to Hose



Part No.	Hose	Tube
5381	# 6	3/8"
5382	# 8	1/2"
5383	# 10	5/8"
5384	# 12	3/4"



Steel Tube to Hose

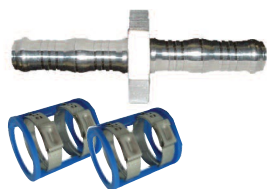


Part No.	Hose	Tube
5385	# 6	3/8"
5386	# 8	1/2"
5387	# 10	5/8"
5388	# 12	3/4"

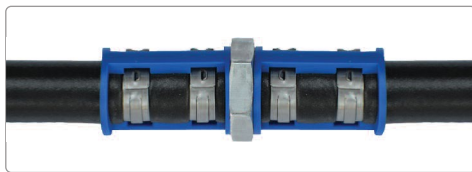


LOKRING Air Conditioning Line Repair & Rear Line Solutions

Hose to Hose Joiners



Part No.	Description
5389	# 6 - 5/16"
5390	# 8 - 13/32"
5391	# 10 - 1/2"
5392	# 12 - 5/8"



Securing Cage & Clamps



Part No.	Description
5324HP	# 6 - 5/16"
5325HP	# 8 - 13/32"
5326HP	# 10 - 1/2"
5327HP	# 12 - 5/8"

Clamps included with appropriate fittings

Standard Barrier Hose Ferrules



Part No.	Description
AC0221	# 6 to 5/16"
AC0222	# 8 to 13/32"
AC0223	# 10 to 1/2"
AC0224	# 12 to 5/8"

Reduced Barrier Hose Ferrules



Part No.	Description
AC0217	# 6 to 5/16"
AC0218	# 8 to 13/32"
AC0219	# 10 to 1/2"
AC0220	# 12 to 5/8"

Oversized Barrier Hose Ferrules



Part No.	Description
CR6306	# 6 to 5/16"
CR6308	# 8 to 13/32"
CR6310	# 10 to 1/2"
CR6312	# 12 to 5/8"



49596

Hi Temp Brake Lube,

Features:

- High temperature Brake Lubricant (1400°C / 2552°F)
- Repels water, salt, and liquid sodium chloride used as road de-icer
- Can only be washed off by solvents
- Will not harm rubber components
- Allows disc and drum brake systems to slide freely

15 oz / 450g

Used Original equipment by Mercedes for problematic vehicles.

Additional Uses:

- Acts as a protective barrier to prevents corrosion on all surfaces
- Excellent for reducing dissimilar metal reaction
- Replacement for metal based anti-seize (Contains no Nickel, copper or aluminum)

100% Brake System Silicone Lube

49592



100% Brake System Silicone Lube

- OEM Style brake Lubricant
- Caliper slides & Bushing Lube
- Non Petroleum Based
- Will not wash off

100% Dielectric Silicone Lube

49593



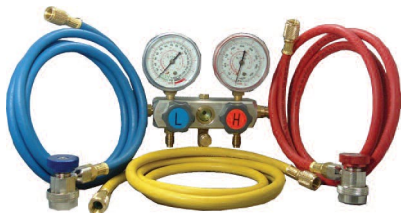
100% Dielectric Silicone Lube

- OEM Dielectric Silicone lubricant
- Stops arcing on electrical compone
- Prevents Seizing
- Will not wash off

Manifold Gauges, Installation Hoses & Couplers

Part # MT0399

R134a Gauge Set Complete with 72" Hoses and Couplers



Part # 0220

R134a Quick Coupler High & Low Side Kit



With Shut off

Aerosol Copper Anti-Seize

FM1625



(Aerosol)

- Stands up in the most adverse conditions,
- temperatures up to 2200°F,
- corrosive environments,
- extream pressures in excess of 50,000 PSI.
- Water-proof in fresh & salt water
- Resistant to gasoline and chemicals.

Cold Shock Penetrating Lube

530882 - Cold Shock Penetrating Lubricant



(Aerosol)

Cold-Shock, the "chemical screwdriver", loosens all kinds of rusted screw connections. It works within seconds due to its two-fold function:

Fast Acting Fastener Remover.

The special composition of the materials generates a "chill effect" on the corroded workpiece. FMSI's Cold Shock deeply penetrates into these small spaces created by this cold shrinking process due to its high capillary effect. It loosens the rust crystals in seconds and neutralises the connection between the rust layers.

Applications

- Rusted bolts, studs, nuts.
- Cold-Shock is free of mineral oil, silicone, and grease and thus works completely without residue and leaves no traces.

