



Series C



PROBLEM SOLVING AUTOMOTIVE HARDWARE

YOUR TRUSTED FLUID LINE REPAIR SPECIALISTS



New Generation Of Brake lines - 1



New lengths from 6"-192" S.A.E Spec in PVF & Zinc

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Hot 200 Jobber Store Suggested Inventory (Excludes Brake Lines)

Distributed By:



D.O.T Approved Brake Lines (.028 Wall)

Cupro Nickel (90/10) ★ ★ ★ ★ ★

Double annealed to soften tubing for easier bending and flaring.
Used as Original Equipment by Volvo and Mercedes.
Meets or exceeds OE specification (.028 Wall) for brake line tubing.
SAE-1650 • SAE-1407 • FMVSS-106 • ASTM-254 • DIN74234
• BS2871 • GM123M • MS1806

**Lifetime Guarantee
Against Corrosion Failure**



Stainless Steel (304) ★ ★ ★ ★ ★

Coming 2014

Double annealed to soften tubing for easier bending and flaring.
Ideal for custom builds, classic cars and more.
Meets or exceeds OE specification (.028 Wall) for brake line tubing.



Poly Vinyl Floride ★ ★ ★ ★ ★

Double annealed to soften tubing for easier bending and flaring.
Used as Original Equipment by many Japanese and European Manufacturers.
Meets or exceeds OE specification (.028 Wall) for brake line tubing.
SAE-J527 • ASTM254 • GM123M • MS1806

3000 hour Salt Spray test



Galfan (Grey Coat) ★ ★ ★ ★ ★

Double annealed to soften tubing for easier bending and flaring.
Used as Original Equipment by General Motors
Meets or exceeds OE specification (.028 Wall) for brake line tubing.
FMVSS-106 • ASTM-254 • DIN74234 • BS2871
• SAE-J527 • GM123M • MS1806

1500 hour Salt Spray test



Passivated Green ★ ★ ★ ★ ★

Double annealed to soften tubing for easier bending and flaring.
Green coating provides added protection from road debris and road salt.
Meets or exceeds OE specification (.028 Wall) for brake line tubing.
SAE-J527 • GM123M • MS-1806

400 hour Salt Spray test



Silver Zinc w/ Spring Armor ★ ★ ★ ★ ★

Double annealed to soften tubing for easier bending and flaring.
Strengthened steel wrapped over silver zinc. Added protection from road debris.
Meets or exceeds OE specification (.028 Wall) for brake line tubing.
SAE-J527 • GM123M • MS-1806

200 hour Salt Spray test



At FMSI Automotive Hardware we design and manufacture our standard and custom fluid carrying lines and fittings in-house.

Our extensive program offers multiple repair solutions for Brake, Fuel, Transmission, Oil, Coolant & Air Conditioning Lines.



(tel) 1-800-651-7445
(email) info@fmsiinc.com • (fax) 905-335-1829
*Minimums may be required

Silver Zinc ★ ★ ★ ★ ★

Double annealed to soften tubing for easier bending and flaring.
Meets or exceeds OE specification (.028 Wall) for brake line tubing.
SAE-J527 • GM123M • MS-1806

200 hour Salt Spray test



Domestic & Import Vehicle New Generation Brake Line Length

Get the right length for cars you work on today!



Poly Vinyl Floride ★ ★ ★ ★ ★

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

Tubes of	10	10	5	5
Size	3/16"	1/4"	Euro/Dom	Japanese
Length	Part No.	Part No.	Part No.	Part No.
6"	PVF306			PVFKM6
7"			PVFKMB7	
9"			PVFKMB9	
10"	PVF310			
13"			PVFKMB13	PVFKM13
14"	PVF314	PVF414		
16"		PVF416	PVFKMB16	PVFKM16
17"	PVF317	PVF417		
21"			PVFKMB21	
23"	PVF323	PVF423	PVFKMB23	PVFKM23
25"		PVF425		
27"	PVF327	PVF427	PVFKMB27	PVFKM27
31"			PVFKMB31	
33"	PVF333	PVF433	PVFKMB33	PVFKM33
37"	PVF337	PVF437	PVFKMB37	PVFKM37
43"		PVF443	PVFKMB43	PVFKM43
44"	PVF344			
47"				PVFKM47
48"	PVF348	PVF448	PVFKMB48	
56"	PVF356	PVF456	PVFKMB56	PVFKM56
64"		PVF464		
66"	PVF366		PVFKMB66	PVFKM66
84"	PVF384	PVF484	PVFKMB84	PVFKM84
86"			PVFKMB86	
92"			PVFKMB92	
96"			PVFKMB96	
Union	3002	3005	3044	3059

Silver Zinc ★ ★ ★ ★ ★

Meets or exceeds specification for brake line tubing
SAE-J527 • GM123M • MS-1806

Tubes of	10	10	5	5
Size	3/16"	1/4"	Euro/Dom	Japanese
Length	Part No.	Part No.	Part No.	Part No.
6"	K306	K406	KMB6	KM6
9"			KMB9	KM9
10"	K310	K410		
13"			KMB13	KM13
14"	K314	K414		
16"			KMB16	KM16
17"	K317	K417		
21"			KMB21	
23"	K323	K423	KMB23	KM23
24"	K324			
27"	K327	K427	KMB27	KM27
31"			KMB31	
33"	K333	K433	KMB33	KM33
37"	K337	K437	KMB37	KM37
43"		K443	KMB43	KM43
44"	K344			
47"			KMB47	KM47
48"	K348	K448		KM48
56"	K356	K456	KMB56	KM56
66"	K366			
84"	K384	K484	KMB84	KM84
108"		K4108		
120"	K3120	K4120	KMB120	
144"	K3144			
168"	K3168			
192"	K3192			
Union	3002	3005	3044	3059

Cupro Nickel Lines



Pack of	5	5	5	5	5	5	5
Size	3/16"	1/4"	5/16"	3/8"	Euro/Dom	Japanese	US/British
Length	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
8"	CN308	CN408	CN508	CN608	CNKMB8	CNKM8	CNK88
12"	CN312	CN412	CN512	CN612	CNKMB12	CNKM12	CNK812
20"	CN320	CN420	CN520	CN620	CNKMB20	CNKM20	CNK820
30"	CN330	CN430	CN530	CN630	CNKMB30	CNKM30	CNK830
40"	CN340	CN440	CN540	CN640	CNKMB40	CNKM40	CNK840
51"	CN351	CN451	CN551	CN651	CNKMB51	CNKM51	CNK851
60"	CN360	CN460	CN560	CN660	CNKMB60	CNKM60	CNK860
72"	CN372	CN472	CN572	CN672	CNKMB72	CNKM72	CNK872
Union	3002	3005	3007	3015	3044	3059	3047



Stainless Steel Lines



Coming 2014

Pack of	5	5	5	5	5	5
Size	3/16"	1/4"	5/16"	3/8"	Euro/Dom	Japanese
Length	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
8"	SS308	SS408	SS508	SS608	SSKMB8	SSKM8
12"	SS312	SS412	SS512	SS612	SSKMB12	SSKM12
20"	SS320	SS420	SS520	SS620	SSKMB20	SSKM20
30"	SS330	SS430	SS530	SS630	SSKMB30	SSKM30
40"	SS340	SS440	SS540	SS640	SSKMB40	SSKM40
51"	SS351	SS451	SS551	SS651	SSKMB51	SSKM51
60"	SS360	SS460	SS560	SS660	SSKMB60	SSKM60
72"	SS372	SS472	SS572	SS672	SSKMB72	SSKM72
Union	3002	3005	3007	3015	3044	3059

3/16" Standard

1/4" Standard

5/16" Standard



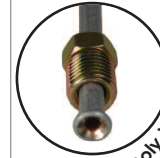
Poly Vinyl Fluoride
Passivated Green
Silver Zinc w/ Armor
Silver Zinc

Pack of	10	10	10	10
Length	"PVF"	"P"	"K3**A"	"K"
8"	PVF308	P308	K308A	K308
12"	PVF312	P312	K312A	K312
20"	PVF320	P320	K320A	K320
30"	PVF330	P330	K330A	K330
40"	PVF340	P340	K340A	K340
51"	PVF351	P351	K351A	K351
60"	PVF360	P360	K360A	K360
72"	PVF372	P372	K372A	K372
Union	3002			



Poly Vinyl Fluoride
Passivated Green
Silver Zinc w/ Armor
Silver Zinc

Pack of	10	10	10	10
Length	"PVF"	"P"	"K4**A"	"K"
8"	PVF408	P408	K408A	K408
12"	PVF412	P412	K412A	K412
20"	PVF420	P420	K420A	K420
30"	PVF430	P430	K430A	K430
40"	PVF440	P440	K440A	K440
51"	PVF451	P451	K451A	K451
60"	PVF460	P460	K460A	K460
72"	PVF472	P472	K472A	K472
Union	3005			



Poly Vinyl Fluoride
Passivated Green
Silver Zinc w/ Armor
Silver Zinc

Pack of	5	5	5	5
Length	"PVF"	"P"	"K5**A"	"K"
8"	PVF508	P508	K508A	K508
12"	PVF512	P512	K512A	K512
20"	PVF520	P520	K520A	K520
30"	PVF530	P530	K530A	K530
40"	PVF540	P540	K540A	K540
51"	PVF551	P551	K551A	K551
60"	PVF560	P560	K560A	K560
72"	PVF572	P572	K572A	K572
Union	3007			

3/8" Standard

European / Domestic

Japanese



Poly Vinyl Fluoride
Passivated Green
Silver Zinc w/ Armor
Silver Zinc

Pack of	5	5	5	5
Length	"PVF"	"P"	"K6**A"	"K"
8"	PVF608	P608	K608A	K608
12"	PVF612	P612	K612A	K612
20"	PVF620	P620	K620A	K620
30"	PVF630	P630	K630A	K630
40"	PVF640	P640	K640A	K640
51"	PVF651	P651	K651A	K651
60"	PVF660	P660	K660A	K660
72"	PVF672	P672	K672A	K672
Union	3018			



Poly Vinyl Fluoride
Passivated Green
Silver Zinc w/ Armor
Silver Zinc

Pack of	5	5	5	5
Length	"PVFKMB"	"PKMB"	"KMB**A"	"KMB"
8"	PVFKMB8	PKMB8	KMB8A	KMB8
12"	PVFKMB12	PKMB12	KMB12A	KMB12
20"	PVFKMB20	PKMB20	KMB20A	KMB20
30"	PVFKMB30	PKMB30	KMB30A	KMB30
40"	PVFKMB40	PKMB40	KMB40A	KMB40
51"	PVFKMB51	PKMB51	KMB51A	KMB51
60"	PVFKMB60	PKMB60	KMB60A	KMB60
72"	PVFKMB72	PKMB72	KMB72A	KMB72
Union	3044			



Poly Vinyl Fluoride
Passivated Green
Silver Zinc w/ Armor
Silver Zinc

Pack of	5	5	5	5
Length	"PVFKM"	"PKM"	"KM**A"	"KM"
8"	PVFKM8	PKM8	KM8A	KM8
12"	PVFKM12	PKM12	KM12A	KM12
20"	PVFKM20	PKM20	KM20A	KM20
30"	PVFKM30	PKM30	KM30A	KM30
40"	PVFKM40	PKM40	KM40A	KM40
51"	PVFKM51	PKM51	KM51A	KM51
60"	PVFKM60	PKM60	KM60A	KM60
72"	PVFKM72	PKM72	KM72A	KM72
Union	3059			

Toyota / General Motors

British / U.S Thread

6 Millimeter



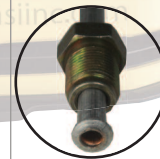
Poly Vinyl Fluoride
Passivated Green
Silver Zinc

Pack of	5	5	5
Length	"PVFKGM"	"PKGM"	"KGM"
8"	PVFKGM8	PKGM8	KGM8
12"	PVFKGM12	PKGM12	KGM12
20"	PVFKGM20	PKGM20	KGM20
30"	PVFKGM30	PKGM30	KGM30
40"	PVFKGM40	PKGM40	KGM40
51"	PVFKGM51	PKGM51	KGM51
60"	PVFKGM60	PKGM60	KGM60
72"	PVFKGM72	PKGM72	KGM72
Union	3059		



Poly Vinyl Fluoride
Passivated Green
Silver Zinc

Pack of	5	5	5
Length	"PVFKB"	"PKB"	"KB"
8"	PVFKB8	PKB8	KB8
12"	PVFKB12	PKB12	KB12
20"	PVFKB20	PKB20	KB20
30"	PVFKB30	PKB30	KB30
40"	PVFKB40	PKB40	KB40
51"	PVFKB51	PKB51	KB51
60"	PVFKB60	PKB60	KB60
72"	PVFKB72	PKB72	KB72
Union	3047		



Poly Vinyl Fluoride
Passivated Green
Silver Zinc

Pack of	5	5	5
Length	"PVF612**"	"P612**"	"612**"
8"	PVF61208	P61208	61208
12"	PVF61212	P61212	61212
20"	PVF61220	P61220	61220
30"	PVF61230	P61230	61230
40"	PVF61240	P61240	61240
51"	PVF61251	P61251	61251
60"	PVF61260	P61260	61260
72"	PVF61272	P61272	61272
Union	4238		

Vehicle Line Set Blanks (No End forms or Fittings)



20' Straight Line Sets

SAE-1650 • SAE-1407 • FMVSS-106 • ASTM-254 • DIN74234 • BS2871 • GM123M • MS1806 • SAE-J527 • ASTM254 • GM123M • MS1806 • SAE-J527

	3/16"	1/4"	5/16"	3/8"	6mm
Style	Part No.	Part No.	Part No.	Part No.	Part No.
Cupro Nickel	CN20-3	CN20-4	CN20-5	CN20-6	CN20-7
Stainless Steel	SS20-3	SS20-4	SS20-5	SS20-6	SS20-7
Poly Vinyl Floride	PVF20-3	PVF20-4	PVF20-5	PVF20-6	PVF20-7
Galfan	GA20-3	GA20-4	GA20-5	GA20-6	GA20-7
Silver Zinc	C20-3	C20-4	C20-5	C20-6	C20-7

20' Line Set Kits (2 x 10' sections)

Meets or exceeds S.A.E Specification for brake line tubing

Stainless Steel Line Sets	3/16"	1/4"	5/16"	3/8"
Part No.	Qty	Qty	Qty	Qty
SS345	2 (10')	2 (10')	2 (10')	-
SS356	2 (10')	-	2 (10')	2 (10')
SS456	-	2 (10')	2 (10')	2 (10')
SS3456	2 (10')	2 (10')	2 (10')	2 (10')

20' Line Set Kits (2 x 10' sections)

FMVSS-106 • ASTM-254 • DIN74234 • BS2871 • SAE-J527 • GM123M • MS1806

Galfan Line Sets	3/16"	1/4"	5/16"	3/8"
Part No.	Qty	Qty	Qty	Qty
GA345	2 (10')	2 (10')	2 (10')	-
GA356	2 (10')	-	2 (10')	2 (10')
GA456	-	2 (10')	2 (10')	2 (10')
GA3456	2 (10')	2 (10')	2 (10')	2 (10')

20' Line Set Kits (2 x 10' sections)

SAE-J527 • GM123M • MS-1806 •

Silver Zinc Line Sets	3/16"	1/4"	5/16"	3/8"
Part No.	Qty	Qty	Qty	Qty
C345	2 (10')	2 (10')	2 (10')	-
C356	2 (10')	-	2 (10')	2 (10')
C456	-	2 (10')	2 (10')	2 (10')
C3456	2 (10')	2 (10')	2 (10')	2 (10')

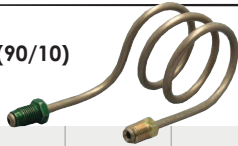
20' Line Sets (2 x 10' sections)

SAE-1650 • SAE-1407 • FMVSS-106 • ASTM-254 • DIN74234 • BS2871 • GM123M • MS1806 • SAE-J527 • ASTM254 • GM123M • MS1806 • SAE-J527

	3/16"	1/4"	5/16"	3/8"	6mm
Style	Part No.	Part No.	Part No.	Part No.	Part No.
Stainless Steel	SS31010	SS41010	SS51010	SS61010	-
Poly Vinyl Floride	-	-	-	-	-
Galfan	GA31010	GA41010	GA51010	GA61010	-
Silver Zinc	C31010	C41010	C51010	C61010	-

Brake, Fuel & Transmission Tubing Coils (.028 Wall)

Cupro Nickel (90/10)



Coil	3/16"	1/4"	5/16"	3/8"	1/2"	6mm	10mm	12mm
Size	3/16"	1/4"	5/16"	3/8"	1/2"	6mm	10mm	12mm
Length	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
25'	CN3	CN4	CN5	CN6	CN8	CN7	CN10M	CN12M
50'	CN3-50	CN4-50	-	-	-	-	-	-
100'	CN3-100	CN4-100	-	-	-	-	-	-

Stainless Steel (304)

Coming 2014



Coil	3/16"	1/4"	5/16"	3/8"	6mm
Size	3/16"	1/4"	5/16"	3/8"	6mm
Length	Part No.	Part No.	Part No.	Part No.	Part No.
25'	SS3	SS4	SS5	SS6	SS7
50'	-	-	-	-	-
100'	-	-	-	-	-

Poly Vinyl Floride (PVF)



Coil	3/16"	1/4"	5/16"	3/8"	6mm
Size	3/16"	1/4"	5/16"	3/8"	6mm
Length	Part No.	Part No.	Part No.	Part No.	Part No.
25'	PVF3	PVF4	PVF5	PVF6	PVF7
50'	PVF3-50	PVF4-50	-	-	-
100'	PVF3-100	PVF4-100	-	-	-

Galfan (Grey Coat)



Coil	3/16"	1/4"	5/16"	3/8"	6mm
Size	3/16"	1/4"	5/16"	3/8"	6mm
Length	Part No.	Part No.	Part No.	Part No.	Part No.
25'	GA3	GA4	GA5	GA6	GA7
50'	GA3-50	GA4-50	-	-	-
100'	GA3-100	GA4-100	-	-	-

Passivated Green



Coil	3/16"	1/4"	5/16"	3/8"	6mm
Size	3/16"	1/4"	5/16"	3/8"	6mm
Length	Part No.	Part No.	Part No.	Part No.	Part No.
25'	P3	P4	P5	P6	P7
50'	P3-50	P4-50	-	-	-
100'	P3-100	P4-100	-	-	-



Copper Tubing

*(Not to be used for Brake or Propane Applications)

Coil	3/16"	1/4"	5/16"	3/8"	6mm
Size	3/16"	1/4"	5/16"	3/8"	6mm
Length	Part No.	Part No.	Part No.	Part No.	Part No.
25'	C3	C4	C5	C6	C7
50'	C3-50	C4-50	-	-	-
100'	C3-100	C4-100	-	-	-

Coil	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"
Length	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
25'	CT2	CT3	CT4	CT5	CT6	CT7	CT8	CT10	CT12

VEHICLE FLUID LINE SETS & TUBING COILS

8" Master Cylinder Adapter Lines

All Adapter Lines are Made from Poly Vinyl Floride Brake line tubing.
SAE-J527 • ASTM254 • GM123M • MS1806

Pack of	5					
Part No.	Tube Size	Fitting Size (1)	Fitting Size (2)	Nut Color	Hex	
913-002	3/16"	3/8"-24 Inv Fl	x 7/16"-24 Inv Fl	Red	7/16"	
913-003	3/16"	3/8"-24 Inv Fl	x 1/2"-20 Inv Fl	Black	1/2"	
913-004	3/16"	3/8"-24 Inv Fl	x 1/2"-20 Inv Fl	Green	9/16"	
913-006	3/16"	3/8"-24 Inv Fl	x 9/16"-18 Inv Fl	Olive	5/8"	
3028316	3/16"	3/8"-24 Inv Fl	x 10mm x 1.0 Bub Fl	Olive	11mm	
3040316	3/16"	3/8"-24 Inv Fl	x 11mm x 1.5 Bub Fl	Orange	12mm	
3041316	3/16"	3/8"-24 Inv Fl	x 12mm x 1.0 Bub Fl	Blue	14mm	
3042316	3/16"	3/8"-24 Inv Fl	x 13mm x 1.5 Bub Fl	Olive	14mm	
3043316	3/16"	3/8"-24 Inv Fl	x 10mm x 1.0 Inv Fl	Blue	10mm	
30283040	3/16"	10mm x 1.0 Bub	x 11mm x 1.5 Bub Fl	Orange	12mm	
30283041	3/16"	10mm x 1.0 Bub	x 12mm x 1.0 Bub Fl	Blue	14mm	
30283042	3/16"	10mm x 1.0 Bub	x 13mm x 1.5 Bub Fl	Green	14mm	
913-001	1/4"	7/16"-24 Inv Fl	x 7/16"-24 Inv Fl	Gold	9/16"	
913-005	1/4"	7/16"-24 Inv Fl	x 9/16"-18 Inv Fl	Blue	9/16"	
3026416	1/4"	7/16"-24 Inv Fl	x 1/2"-20 Inv Fl	Gold	1/2"	
3413416	1/4"	7/16"-24 Inv Fl	x 12mm x 1.0 Bub Fl	Olive	13mm	
3447416	1/4"	7/16"-24 Inv Fl	x 12mm x 1.75 Bub Fl	Gold	13mm	
3462416	1/4"	7/16"-24 Inv Fl	x 9/16"-18 Bub Fl	Gold	13mm	
60812	6mm	12mm x 1.0 Bub Fl	x 12mm x 1.5 Bub Fl	Olive	14mm	
60814	6mm	12mm x 1.0 Bub Fl	x 14mm x 1.5 Bub Fl	Black	16mm	



Adapter wall rack assortment Part No. 0443



Create your own custom Adapter lines with any line

Part No.	Tube Size	Description
51280	3/16"	Universal Flex Section
51281	1/4"	Universal Flex Section

Master Cylinder & ABS Repair Lines



8" Braided Stainless Steel Flex Section
Overall length of 24"



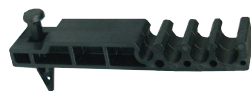
Part No.	Fitting	Flare	Style	Union
51274HP	6mm x 12mm -1.0	Bubble	Standard	4238
51275HP	3/16" - 3/8"x 24 t.p.i	Invert	Standard	3002
51276HP	1/4" - 7/16"x 24 t.p.i	Invert	Japanese	3005
51277HP	3/16" - 10mm -1.0	Invert	Euro/Dom	3059
51278HP	3/16" - 10mm -1.0	Bubble	Euro/Dom	3044

Brake & Fuel Tubing Clips

Part # 3501
1 Slot (1) 1/4"



Part # 3503
4 Slot (1) 1/4"- (2) 5/16"-(1) 3/8"



Part # 3504
1 Slot (1) 3/16"



Part # 3506
2 Slot (2) 3/16"



Tel: 1-800-651-7445

Fax: 1-905-335-1829

Bleeder Screws & Rubber Caps

Standard Pack of 10			
9400 3/8"-3/8"-24 Length -1.50"	9402 3/8"-3/8"-24 Length -1.11"	9403 5/16"-5/16"-24 Length -.925	9404 1/4"-1/4"-24 Length -.925
9405 M8-M8-1.25 Length-23.5mm	9406 M10-M10-1.5 Length-27.5mm	9407 M10-M10-1.0 Length-37.5mm	9409 M10-M10-1.0 Length-32.75mm
9410 M10-M10-1.0 Length-35mm	9411 M7-M7-1.0 Length-32mm	9412 M10-M10-1.0 Length-38.5mm	9413 M7-M7-1.0 Length-38.55mm
9415 7/16"-7/16"-20 Length-1.27"	9416 M8-M8-1.0 Length-38mm	9417 1/4"-1/4"- 28 Length-1.045"	9421 M10-M10-1.25 Length-33mm
9422 M8-M8-1.25 Length-32.7mm	9427 7/16"-7/16"-24 Length- 37.5mm	9428 M8-M8-1.25 Length-36mm	9430 M8-M8-1.0 Length-26.29mm
9444 Broken Bleeder Repair Fitting 1/4"	9444B Broken bleeder Repair Fitting 5/16"	9450 Rubber Cap Small	9451 Rubber Cap Large

Bleeder Screw Assortment # 0475 (144 pcs)

Hose Inlet Flex Line Bolts

Assortment # 0108 - 21 pieces

Part No.	Application	5155	21707
5155	General Motors - M10 x 1.5 x 32.65mm	21079	21081
21079	Chrysler - 7/16" - 20 x 1.345"	21082	22453
21081	Chrysler - M11 x 1.25 x 1.184"	H9449-2	H9469-2
21082	General Motors - 7/16" - 20 x 1.275"	H9449-2	H9470-2
21707	Ford - M10 x 1.0 x 1.15"	H9470-2	
22453	Ford - 3/8" - 24 x 1.26"		
H9469-2	Ford - 10mm x 1.5 x 1.32		
H9449-2	GM - 10mm x 1.5 x 30.58mm		
H9470-2	Ford - 10mm x 1.5 x 1.43		

Hose Inlet Flex Line Gaskets

Part No.	Outside Diameter	Inside Diameter	Thickness
3046	.625	.450	.079
3048	.687	.450	.038
3051	.672	.405	.061
3052	.813	.500	.032
3053	.625	.390	.063
3054	.813	.438	.063
3055	.625	.406	.101
3056	.688	.391	.050
3057	.554	.409	.032



Flex Line Retainer Clip



Part #
10 per Pack
3011

Assortment # 0231 - 48 pieces

Spring Armor for Steel & Nylon Tubing

Part No.	Size	Length
K396	3/16"	96"
K496	1/4"	96"
K596	5/16"	96"
K696	3/8"	96"



http://www.fmsiinc.com

Email: info@fmsiinc.com

Standard Steel Invert Flare Tube Nuts



Part #	Tube Size	Thread Diameter	Threads Per Inch	Edelmann	Weatherhead	
3415	3424	3441	3597	4620	4621	4622
3597	1/8"	5/16"	28	121002	105X2	
3000	3/16"	3/8"	24	121003	105X3	
3424 (4pk)	3/16"	3/8" - 7/16" hex	24	-	-	
3441	3/16"	3/8" - 9/16" hex	24	-	-	
3003	1/4"	7/16"	24	121004	105X4	
3415	1/4"	7/16" - 9/16" hex	24	-	-	
3006	5/16"	1/2"	20	121005	105X5	
3015	3/8"	5/8"	18	121006	105X6	
3399	7/16"	11/16"	18	-	-	
3016	1/2"	3/4"	18	-	-	
4621	5/8"	7/8" - 7/8" hex	18	-	-	
4622	3/4"	1" - 1" hex	16	-	-	
4620	7/8"	1" - 1/32" hex	16	-	-	

Metric & Imperial Bubble Flare Tube Nuts



Part #	Tube Size	Thread Diameter	Thread Pitch
3028	3/16"	10mm	1.0 European and Domestic (Olive)
3040	3/16"	11mm	1.5 Domestic (Orange/ Grey)
3041	3/16"	12mm	1.0 Domestic (Blue)
3042	3/16"	13mm	1.5 Domestic (Olive)
3410	3/16"	3/8"	24 t.p.i US British Thread (Violet)
3411	3/16"	10mm	1.0 Long Tube Nut (Yellow)
3414	3/16"	10mm	1.0 Volkswagen and Audi (Violet)
3420	3/16"	10mm	1.0 Ford (Gold)
3426	3/16"	12mm	1.25 (Olive)
3463	3/16"	10mm	1.0 (Grey)
3470	3/16"	10mm	1.25 (Silver)
3477	3/16"	11mm	1.0 (Violet)
3492	3/16"	10mm	1.5 (Violet)
3493	3/16"	12mm	1.0 Long (Green)
3490	1/4"	11mm	1.0 (Violet)
3413	1/4"	12mm	1.0 Ford and Imports (Olive)
3433	1/4"	12mm	1.25 (Gold)
3447	1/4"	12mm	1.75 (Yellow)
3495	1/4"	12mm	1.5 (Gold)
3496	1/4"	12mm	1.0 Short Dog Point (Gold)

Standard Invert Flare Tube Nuts Long



Part #	Tube Size	Thread Diameter	Thread Pitch
3001	3/16"	3/8"	24 t.p.i
3004	1/4"	7/16"	24 t.p.i
3442	3/8"	5/8"	18 t.p.i

Stainless Steel Tube Nuts



Part #	Tube Size	Thread Diameter	Thread Pitch
3000SS	3/16"	3/8"	24 t.p.i
3001SS	3/16" (Long)	3/8"	24 t.p.i
3028SS <small>Available 2014</small>	3/16"	10mm	1.0 Bubble
3043SS <small>Available 2014</small>	3/16"	10mm	1.0 Bubble
3003SS	1/4"	7/16"	24 t.p.i
3004SS	1/4" (Long)	7/16"	24 t.p.i

Metric Invert Flare Tube Nuts



Part #	Tube Size	Thread Diameter	Thread Pitch
3043	3/16"	10mm	1.0 Japanese (Blue)
3411	3/16"	10mm	1.0 Japanese (Gold) 12mm Hex Long
3417	3/16"	10mm	1.0 Toyota and GM (Blue) Long
3449	3/16"	10mm	1.0 (Yellow)
3413	1/4"	12mm	1.0 Ford and Imports (Olive)
3495	1/4"	12mm	1.5 (Gold)
3496	1/4"	12mm	1.0 Short Dog Point (Gold)

Standard Invert Oversized Tube Nuts



3022 3023 3024 3025



3026 3439 3462 3494

Part #	Tube Size	Thread Diameter	Thread Per Inch
3022	3/16"	7/16"	24
3023	3/16"	1/2"	20
3024	3/16"	9/16"	18
3439	3/16"	1/2"	20
3494	3/16"	1/2"	20 Long
3025	1/4"	9/16"	18
3026	1/4"	1/2"	20
3462	1/4"	9/16"	18

Metric 6mm Bubble Flare Tube Nuts



3421 3422 3423

Part #	Tube Size	Thread Diameter	Thread Pitch
3421	6mm	12mm	1.0 (Olive)
3422	6mm	12mm	1.5 (Olive)
3423	6mm	14mm	1.5 (Black)

2 Box Tube Nut & Union Assortment

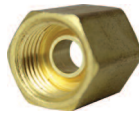
Part # 0251

This 165 piece assortment contains standard tube nuts from 3/16" to 1/2". Metric tube nuts from 10mm to 14mm in thread pitches of 1.0, 1.25, 1.50, 1.75 & 2.0. Specialty fittings from Honda, Toyota, Audi, Volkswagen, Mercedes, GM, Ford, Chrysler etc...



Heavy Wall Brass Brake Line Unions & Tees

Standard Invert Flare Unions



Part #	Tube Size	Thread Diameter	Thread Per Inch	Edelmann	Weatherhead
3706	1/8"	5/16"	24	123200	302X2
3002	3/16"	3/8"	24	123300	302X3
3005	1/4"	7/16"	24	123400	302X4
3007	5/16"	1/2"	20	123500	302X5
3018	3/8"	5/8"	18	123600	302X6
3021	1/2"	3/4"	18	123800	302X8
3020	3/16"-1/4"	3/8"-7/16"	24	-	-

Bubble Flare Unions



Part #	Tube Size	Thread Diameter	Thread Per Inch	Edelmann	Weatherhead
3044	3/16"	10mm	1.0 Euro/Dom	276000	7975
3047	3/16"	3/8"	24 t.p.i British	275300	1594
4238	6mm 3/16" & 1/4"	12mm	1.0 Japanese	277000	7936

Japanese Invert Flare Union



Part #	Tube Size	Thread Diameter	Edelmann	Weatherhead
3059	3/16"	10mm x 1.0	274000	7934A



Brake Line Union Tees

Part #	Tube Size	Thread Pitch	Edelmann	Weatherhead
3722	1/8"	5/16" - 24 Invert Fl	130222	702X2
3471	3/16"	3/8" - 24 Invert Fl	130333	702X3
*3476	3/16"	3/8" - 24 Invert Fl	-	7812
4643	3/16"	10mm Invert Fl	-	-
4644	3/16"	10mm Bubble Fl	-	-
3472	1/4"	7/16" - 24 Invert Fl	130444	702X4
3723	5/16"	1/2" - 20 Invert Fl	130555	702X5
3724	3/8"	9/16" - 18	130666	702X6



*Mounting Bracket

Tube Nuts & Unions



0142 - Master Kit Series Tube Nut, Unions & Tee assortment

The most complete tube nut, union and brake tee assortment available in the aftermarket.



Features:

- Over 60 Part Numbers (206 pieces)
- No more wasting time attempting to salvage tube nuts
- No more costly dealer lines
- Cased in 2 durable metal drawers
- 3/16" to 1/2". Metric tube nuts from 10mm to 14mm in thread pitches of 1.0, 1.25, 1.50, 1.75 & 2.0 Specialty fittings from Honda, Toyota, Audi, Volkswagen, Mercedes, GM, Ford Chrysler etc...

Master Cylinder Adapters Invert Flare

Part #	Tube Size (F)	Thread (F)	Tube Size (M)	Thread (M)	Edelmann	Weatherhead
3230	3/16"	3/8" - 24	5/16"	1/2" - 20	258350	7919
3231	3/16"	3/8" - 24	3/16"	9/16" - 20	258303	7910
3232	3/16"	3/8" - 24	1/4"	7/16" - 24	258340	7818
3237	3/16"	3/8" - 24	3/16"	9/16" - 18	258302	7911
3285	3/16"	3/8" - 24	3/16"	3/8"-24 Long	-	-
4601	3/16"	1/2" - 20	3/16"	9/16" - 18	258307	7913
4602	3/16"	9/16" - 18	3/16"	1/2" - 20	258306	7612
3233	1/4"	7/16" - 24	3/16"	1/2" - 20	258450	7829
3235	1/4"	7/16" - 24	3/16"	3/8" - 24	258430	7828
3236	1/4"	7/16" - 24	3/16"	9/16" - 18	258403	7908
3418	5/16"	1/2" - 20	3/8"	5/8" - 18	258560	7916
4603	5/16"	1/2" - 20	1/4"	7/16" - 24	258540	7917
3419	3/8"	5/8" - 18	5/16"	1/2" - 20	258650	7915

Invert Flare to Surface Seal

Part #	Tube Size (F)	Thread (F)	Tube Size (M)	Thread (M)	Edelmann	Weatherhead
4609	3/16"	3/8" - 24	3/16"	1/2" - 20	265301	7817
3029	1/4"	7/16" - 24	1/4"	7/16" - 20	265400	7732
3233	1/4"	7/16" - 24	5/16"	1/2" - 20	265401	7727
4611	5/16"	1/2" - 20	5/16"	1/2" - 20	265500	1074

Invert Flare to Bubble Flare

Part #	Tube Size (F)	Thread (F)	Tube Size (M)	Thread (M)	Edelmann	Weatherhead
3255	3/16"	3/8" - 24	3/16"	3/8" - 24	-	-
3478	3/16"	3/8" - 24	3/16"	1/2" - 18	-	-
4607	3/16"	3/8" - 24	1/4"	7/16" - 20	-	-
4627	3/16"	10m x 1.0	3/16"	10m x 1.0	-	-

Bubble Flare to Bubble Flare

Part #	Tube Size (F)	Thread (F)	Tube Size (M)	Thread (M)	Edelmann	Weatherhead
4634	1/4" (6mm)	12m x 1.0	1/4" (6mm)	12m x 1.5	-	-
4635	1/4" (6mm)	12m x 1.0	1/4" (6mm)	14m x 1.5	-	-
4636	1/4" (6mm)	12m x 1.0	1/4" (6mm)	12m x 1.25	-	-
4637	1/4" (6mm)	12m x 1.0	1/4" (6mm)	12m x 1.75	-	-
4638	1/4" (6mm)	12m x 1.0	1/4" (6mm)	11m x 1.0	-	-

Invert Flare to Pipe Thread

Part #	Tube Size (F)	Pipe Thread (M)	Edelmann	Weatherhead
3481	3/16"	1/8	124320	202x3
3482	1/4"	1/8	124420	202x4
3483	1/4"	1/4	124440	202x4x4
3484	5/16"	1/8	124520	202x5
3485	5/16"	1/4	124540	202x5x4
3486	3/8"	1/4	124640	202x6
3707	3/8"	1/8	124620	202x6x2
3708	3/8"	3/8	124660	202x6x6
3709	1/2"	3/8	124860	202x8

3/16" Invert Flare to Metric Bubble Flare

Part #	Tube Size (F)	Thread (F)	Tube Size (M)	Thread (M)	Edelmann	Weatherhead
3039	3/16"	3/8" - 24	3/16"	10m x 1.0	271300	1442
3250	3/16"	3/8" - 24	3/16"	10m x 1.25	270330	7976
3251	3/16"	3/8" - 24	3/16"	13m x 1.5	263000	7972
3252	3/16"	3/8" - 24	3/16"	12m x 1.0	265000	7974
3253	3/16"	3/8" - 24	3/16"	11m x 1.5	264000	7973
4612	3/16"	3/8" - 24	3/16"	11m x 1.25	-	-
4613	3/16"	3/8" - 24	3/16"	12m x 1.25	-	-
4616	3/16"	3/8" - 24	3/16"	11m x 1.0	-	-
4619	3/16"	3/8" - 24	3/16"	10m x 1.5	-	-

1/4" Invert Flare to Metric Bubble Flare

Part #	Tube Size (F)	Thread (F)	Tube Size (M)	Thread (M)	Edelmann	Weatherhead
4614	1/4"	7/16" - 24	1/4"	12m x 1.25	-	-
4615	1/4"	7/16" - 24	1/4"	12m x 1.75	-	-
4650	1/4"-6mm	7/16" - 24	1/4"	12m x 1.5	-	-
4617	1/4"	7/16" - 24	1/4"	11m x 1.0	-	-
4618	1/4"	7/16" - 24	1/4"	14m x 1.5	-	-
4619	1/4"-6mm	7/16" - 24	1/4"	14m x 1.5	-	-
4642	1/4"-6mm	7/16" - 24	1/4"	12m x 1.0	-	-

Metric Bubble Flare to Bubble Flare

Part #	Tube Size (F)	Thread (F)	Tube Size (M)	Thread (M)	Edelmann	Weatherhead
3254	3/16"	10m x 1.25	3/16"	13m x 1.5	-	-
4606	3/16"	10m x 1.0	3/16"	13m x 1.5	-	-
4604	3/16"	10m x 1.0	3/16"	11m x 1.5	-	-
4605	3/16"	10m x 1.0	3/16"	12m x 1.0	-	-
4630	3/16"	10m x 1.0	3/16"	10m x 1.5	-	-
4631	3/16"	10m x 1.0	3/16"	12m x 1.25	-	-
4632	3/16"	10m x 1.0	3/16"	10m x 1.25	-	-
4633	3/16"	10m x 1.0	3/16"	11m x 1.0	-	-

3/16" Invert Flare to Metric Invert Flare

Part #	Tube Size (F)	Thread (F)	Tube Size (M)	Thread (M)	Edelmann	Weatherhead
3045	3/16"	3/8" - 24	3/16"	10m x 1.0	270300	1443
3479	3/16"	3/8" - 24	3/16"	10m x 1.25	270330	7976

Metric Invert Flare to Metric Bubble Flare

Part #	Tube Size (F)	Thread (F)	Tube Size (M)	Thread (M)	Edelmann	Weatherhead
3473	3/16"	10m x 1.0	3/16"	11m x 1.5	266000	7935
3474	3/16"	10m x 1.0	3/16"	12m x 1.0	267000	7936
3475	3/16"	10m x 1.0	3/16"	13m x 1.5	268000	7937

Metric Invert Flare to Metric Invert Flare

Part #	Tube Size (F)	Thread (F)	Tube Size (M)	Thread (M)
4639	1/4" - 6m	7/16" - 24	1/4" - 6m	12m - 1.0
4640	1/4" - 6m	7/16" - 24	1/4" - 6m	12m - 1.5
4641	1/4" - 6m	7/16" - 24	1/4" - 6m	10m - 1.0

Compression Unions



Joining Steel/Copper to Steel /Copper Lines

Part #	Tube Size	Edelmann	Weatherhead
2952	1/8"	162200	62x2
2955	3/16"	162300	62x3
2956	1/4"	162400	62x4
2957	5/16"	162500	62x5
2958	3/8"	162600	62x6
3776	1/2"	162800	62x8
3777	5/8"	162900	62x10
3778	3/4"	162920	62x12

Steel to Nylon Unions



Joining Steel/Copper to Nylon Lines

Part #	Tube Size	Edelmann	Weatherhead
2941	1/4"	-	-
2942	5/16"	-	-
2943	3/8"	-	-

Nylon to Nylon Unions



Joining Nylon to Nylon Lines

Part #	Tube Size	Edelmann	Weatherhead
2890	1/4"	-	-
2891	5/16"	-	-
2892	3/8"	-	-

Brass Compression Tees



Steel or Copper Lines



Part #	Tube Size	Edelmann	Weatherhead
3780	1/8"	164200	-
3781	3/16"	164300	64x3
3782	1/4"	164400	64x4
3783	5/16"	164500	64x5
3784	3/8"	164600	64x6

Brass Compression Elbow



Steel or Copper Lines



Part #	Tube Size	Edelmann	Weatherhead
3785	3/8"	165600	65x6

Compression Fitting Check Valve



Part #	Tube Size	Pipe Thread	Edelmann	Weatherhead
4913	5/16"	1/8	163520	63x5
3779	3/8"	1/4	163640	63x6

360° Seal Compression Unions



Join any combination of Steel, Copper, Nylon

Part #	Tube Size	Edelmann	Weatherhead
2855	3/16"	-	-
2856	1/4"	-	-
2857	5/16"	-	-
2858	3/8"	-	-
*2859	10mm	-	-
4405	1/2"	-	-

Ferrule centered and attached to nut to ensure leak free connection

* 10mm size (Nylon Tube Only)

360° Seal Reducer Unions



Join any combination of Steel, Copper, Nylon

Part #	Tube Size	Edelmann	Weatherhead
2840	5/16" to 1/4"	-	-
2841	3/8" to 5/16"	-	-
*2842	10mm to 3/8"	-	-
*2843	10mm to 5/16"	-	-

Ferrule centered and attached to nut to ensure leak free connection

* 10mm size (Nylon Tube Only)

360° Seal Elbow Unions



Join any combination of Steel, Copper, Nylon

Part #	Tube Size	Edelmann	Weatherhead
2845	1/4"	-	-
2846	5/16"	-	-
2847	3/8"	-	-
*2848	3/8" (10mm)	-	-
*2849	10mm	-	-

Ferrule centered and attached to nut to ensure leak free connection

* 10mm size (Nylon Tube Only)

Compression Union To Pipe Adapters



Part #	Tube Size	Pipe Thread	Edelmann	Weatherhead
4700	3/8"	1/4	168640	68x6
4701	3/8"	3/8	168660	68x6x6
4702	3/8"	1/2	168680	68x6x8

Female Compression Connectors



Part #	Tube Size	Pipe Thread	Edelmann	Weatherhead
3786	1/8"	1/8	166220	66x2
3787	3/16"	1/8	166320	66x3
3788	1/4"	1/8	166420	66x4
3789	5/16"	1/8	166520	66x5
3790	5/16"	1/4	166540	66x5x4
3791	3/8"	1/8	166620	66x6x2
3792	3/8"	1/4	166640	66x6

Brass Ferrules



Part #	Tube Size	Edelmann	Weatherhead
3766	1/8"	160200	60x2
3209	3/16"	160300	60x3
3210	1/4"	160400	60x4
3211	5/16"	160500	60x5
3212	3/8"	160600	60x6
3767	1/2"	160800	60x8
3768	5/8"	160900	60x10

Nylon Ferrules

Part #	Tube Size
3206	1/4"
3207	5/16"
3208	3/8"



10mm Ferrule & Nut

Part #	Tube Size	Part #	Tube Size
3240	10mm	3241	10mm



Nylon Only



Nylon Only

Captive Sleeve w/ Nuts

Part #	Tube Size
3213	3/16"
3214	1/4"
3215	5/16"
3216	3/8"
3775	1/2"

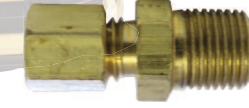


90° Compression Union To Pipe Adapters



Part #	Tube Size	Pipe Thread	Edelmann	Weatherhead
4704	1/8"	1/8	169220	69x2
4705	3/16"	1/8	169320	69x3
4706	1/4"	1/8	169420	69x4
4707	1/4"	1/4	169440	69x4x4
4708	5/16"	1/8	169520	69x5


Male Compression Connectors



Part #	Tube Size	Pipe Thread	Edelmann	Weatherhead
3793	1/8"	1/8	168220	68x2
3794	3/16"	1/8	168320	68x3
3795	1/4"	1/8	168420	68x4
3796	1/4"	1/4	168440	68x4x4
3797	5/16"	1/8	168520	68x5
3798	5/16"	1/4	168540	68x5x4
3799	3/8"	1/8	168620	68x6x2

Steel High Pressure Compression Unions

Part #	Tube Size	
3451	3/16"	• 5000 PSI burst pressure
3452	1/4"	• 1200 PSI working pressure
3453	5/16"	• Compatible with all metal tubes.
3454	3/8"	
3459	10mm	
3460	12mm	
3461	3/8" to 10mm	



**High Pressure Compression Union
5,000 psi**

S.A.E 45° Male Invert to Male Pipe

Part #	Tube Size	Pipe Thread	Edelmann	Weatherhead
3751	3/16"	1/8	148320	48x3
3752	1/4"	1/8	148420	48x4
3753	5/16"	1/8	148520	48x5
3754	5/16"	1/4	148540	48x5x4
3755	3/8"	1/4	148640	48x6
3756	3/8"	3/8	148660	48x6x6
3757	3/8"	1/2	148680	48x6x8
3758	1/2"	3/8	148860	48x8

S.A.E 45° Male Invert to Female Pipe

Part #	Tube Size	Pipe Thread	Edelmann	Weatherhead
3739	3/16"	1/8	146320	46x3
3740	1/4"	1/8	146420	46x4
3741	1/4"	1/4	146440	46x4x4
3742	5/16"	1/8	146520	46x5
3743	5/16"	1/4	146540	46x5x4
3744	3/8"	1/4	146640	46x6
3745	3/8"	3/8	146660	46x6x6
3746	1/2"	3/8	146860	46x8
3747	1/2"	1/2	146880	46x8x8

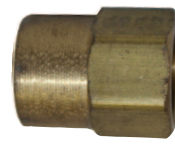
S.A.E 45° Male Invert Flare Union

Part #	Tube Size	Edelmann	Weatherhead
3734	3/16"	142300	42x3
3735	1/4"	142400	42x4
3736	5/16"	142500	42x5
3737	3/8"	142600	42x6
3738	1/2"	142800	42x8

S.A.E 45° 90° Elbow Male Invert to Male Pipe

Part #	Tube Size	Pipe Thread	Edelmann	Weatherhead
3759	3/16"	1/8	149320	49x3
3760	1/4"	1/8	149420	49x4
3761	1/4"	1/4	149440	49x4x4
3762	5/16"	1/8	149520	49x5
3763	5/16"	1/4	149540	49x5x4
3764	3/8"	1/4	149640	49x6
3765	3/8"	3/8	149660	49x6x6

Brass Female Connectors



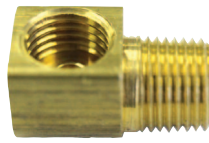
Part #	Tube Size	Pipe Thread	Edelmann	Weatherhead
3713	3/16"	1/8	126320	252X3
3714	1/4"	1/8	126420	252X4
3715	5/16"	1/8	126520	252X6

45° Brass Elbows



Part #	Tube Size	Pipe Thread	Edelmann	Weatherhead
3710	3/16"	1/8	125320	352x3
3711	1/4"	1/8	125420	352x4
3712	3/8"	1/4	125640	352x6

90° Brass Elbows



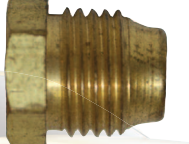
Part #	Tube Size	Pipe Thread	Edelmann	Weatherhead
3598	3/16"	1/8	122320	402x3
3599	1/4"	1/8	122420	402x4
3700	1/4"	1/4	122440	402x4x4
3701	5/16"	1/8	122520	402x5
3702	5/16"	1/4	122540	402x5x4
3703	3/8"	1/8	122620	402x6x2
3704	3/8"	1/4	122640	402x6
3705	1/2"	3/8	122860	402x8

Brass Tube Nuts



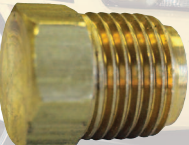
Part #	Tube Size	Edelmann	Weatherhead
4580	1/8"	121200	100x2
3581	3/16"	121300	100x3
3582	1/4"	121400	100x4
3583	5/16"	121500	100x5
3584	3/8"	121600	100x6
3585	1/2"	121800	100x8

Double Compression Nuts



Part #	Tube Size	Edelmann	Weatherhead
3586	1/8"	111200	6100x2
3587	3/16"	111300	6100x3
3588	1/4"	111400	6100x4
3589	5/16"	111500	6100x5

Solid Hex Head Brass Plugs



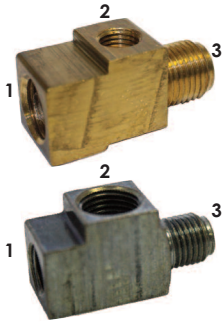
Part #	Tube Size	Edelmann	Weatherhead
3593	3/16"	120300	131x3
3594	1/4"	120400	131x4
3595	5/16"	120500	131x5
3596	3/8"	120600	131x6

Brass Pipe Hex Head Plugs



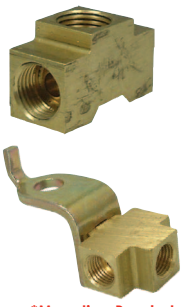
Part #	Size	Edelmann	Weatherhead
3551	1/8"	209200	3152x2
3552	1/4"	209400	3152x4
3553	3/8"	209600	3152x6
3554	1/2"	209800	3152x8
4715	3/4"	209920	3152x12

Trailer Brake Tees (Brass or Steel)



Part #	Size (F) 1	Size (F) 2	Size (M) 3	Edelmann	Weatherhead
3716	3/16"(9/16"-18)	3/16"(3/8"-24)	3/16"(9/16"-18)	127030	7933
3717	3/16"(9/16"-20)	3/16"(3/8"-24)	3/16"(9/16"-20)	127032	7905
3718	3/16"	3/16"	3/16"	127333	7900
3719	3/16"	1/4"	3/16"	127343	7899
4726	3/16"(12m x 1.0)	3/16"(3/8"-24)	3/16" (12m x 1.0)	273000	7921
3720	1/4"	3/16"	1/4"	127434	7901
3721	1/4"	1/4"	1/4"	127444	7898

Brass Union Tees



*Mounting Bracket

Part #	Size	Thread Pitch	Edelmann	Weatherhead
3722	1/8"	5/16"-24	130222	702X2
3471	3/16"	3/8" - 24	130333	702X3
*3476	3/16"	3/16" - 24	-	7812
4643	3/16"	10mm Invert Fl	-	
4644	3/16"	10mm Bubble Fl	-	
3472	1/4"	7/16" - 24	130444	702X4
3723	5/16"	1/2"-20	130555	702X5
3724	3/8"	9/16"-18	130666	702X6

Brass Pipe Union Tee



Part #	Size	Edelmann	Weatherhead
4712	1/2"	201800	3700x8

Brass Pipe Cross



Part #	Size	Edelmann	Weatherhead
4713	3/8"	202600	3950x6

Brass Pipe Male Branch Tees



Part #	Size	Edelmann	Weatherhead
4724	1/4"	228400	3600x4
4725	3/8"	228600	3600x6

Plastic Threaded Drain Cocks



Part #	Size	Edelmann	Weatherhead
4732	5/16"	321000	111
4736	10m - 1.25	329000	116
4901	12m x 1.25	326000	114
4735	14m - 1.25	328000	117

Plastic Push-In Drain Cocks



Part #	Size	Length	Edelmann	Weatherhead
4733	1/4"	1 1/2"	322000	113
4734	1/4"	1 7/8"	323000	112

Brass Pipe Back Seating Drain Cocks



Part #	Size	Edelmann	Weatherhead
3578	1/8"	310200	135
3579	1/4"	311400	145
3580	3/8"	312600	270
4731	1/2"	313800	108

Brass Pipe Drain Cocks



Part #	Size	Edelmann	Weatherhead
4727	1/8"	301200	130
4728	1/4"	303400	140

Brass Pipe Drain Cocks w/ Drain



Part #	Size	Edelmann	Weatherhead
4729	1/8"	307200	150
4730	1/4"	308400	120

Brass Pipe Drain Cock



Part #	Size	Edelmann	Weatherhead
4740	1/4"	342400	6892

Double Female Pipe Shut-Off Cocks



Part #	Size	Edelmann	Weatherhead
4737	1/8"	331220	6804
4738	1/4"	332440	6809
4739	3/8"	333660	-

Compression Straightway Shut-Off Cock



Part #	Size	Pipe Thread	Edelmann	Weatherhead
4742	1/4"	1/8"	427420	A694

E.F.I Ring Nipple



Part #	Size	Edelmann	Weatherhead
4824	10m - 1.0 wide barb	256303	-

Female Tube Nuts (Short)



Part #	Size	Thread Pitch	Edelmann	Weatherhead
3428	3/16"	3/8" - 24	141030	1110x3
3429	1/4"	7/16" - 20	141040	1110x4
3430	5/16"	1/2" - 20	141050	1110x5
3431	3/8"	5/8" - 18	141060	1110x6
3432	1/2"	3/4" - 16	141080	1110x8
3489	5/8"	7/8" - 14	141090	1110x10



Female Tube Nuts (Long)



Part #	Size	Thread Pitch	Edelmann	Weatherhead
3728	3/16"	3/8" - 24	141030	41x3
3729	1/4"	7/16" - 20	141040	41x4
3730	5/16"	1/2" - 20	141050	41x5
3731	3/8"	5/8" - 18	141060	41x6
3732	1/2"	3/4" - 16	141080	41x8
3733	5/8"	7/8" - 14	141900	41x10

Standard Invert Flare Unions



Part #	Tube Size	Thread Diameter	Thread Per Inch	Edelmann	Weatherhead
3706	1/8"	5/16"	24	123200	302X2
3002	3/16"	3/8"	24	123300	302X3
3020	3/16"-1/4"	3/8"-7/16"	24	-	-
3005	1/4"	7/16"	24	123400	302X4
3007	5/16"	1/2"	20	123500	302X5
3018	3/8"	5/8"	18	123600	302X6
3021	1/2"	3/4"	18	123800	308X2

Bubble Flare Unions



Part #	Tube Size	Thread Diameter	Thread Pitch	Edelmann	Weatherhead
3044	3/16"	10mm	1.0 Euro/Dom	276000	7975
3047	3/16"	3/8"	24 f.p.i British	275300	7940
4238	6mm 3/16" & 1/4"	12mm	1.0 Japanese	277000	7936

Japanese Invert Flare Union



Part #	Tube Size	Thread Diameter	Edelmann	Weatherhead
3059	3/16"	10mm x 1.0	274000	7934A



S.A.E 45° Brass End Caps



Part #	Size	Thread Pitch	Edelmann	Weatherhead
3748	3/16"	3/8"-24	147300	-
3749	3/8"	9/16"-18	147600	-
3450	1/2"	3/4"-16	147800	-

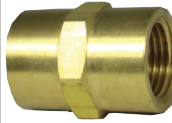


Brass Female Pipe End Caps



Part #	Size	Edelmann	Weatherhead
3523	1/8	208200	3129X2
3524	1/4	208400	3129X4
3525	3/8	208600	3129X6
4714	1/2	208800	-

Brass Pipe Couplings



Part #	Size	Edelmann	Weatherhead
3560	1/8	203200	3300x2
3561	1/4	203400	3300x4
3562	3/8	203600	3300x6
3563	1/2	203800	3300x8

Brass Pipe Reducer Couplers



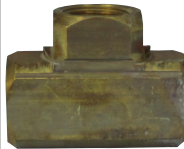
Part #	Size	Edelmann	Weatherhead
3555	1/4 - 1/8	219420	3300X4X2
3556	3/8 - 1/4	219640	3300X6X4

Brass Pipe Elbows



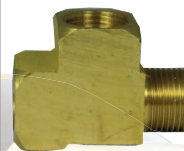
Part #	Size	Edelmann	Weatherhead
3510	1/8	200200	3500x2
3511	1/4	200400	3500x4
3512	3/8	200600	3500x6

Brass Pipe Tees



Part #	Size	Edelmann	Weatherhead
3513	1/8	201200	3700x2
3514	1/4	201400	3700x4
3515	3/8	201600	3700x6
4712	1/2	201800	3700x8

Brass Pipe Street Tees



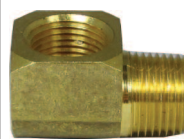
Part #	Size	Edelmann	Weatherhead
3519	1/8	227200	3750x2
3520	1/4	227400	3750x4
3522	3/8	227600	3750x6

Brass 45° Pipe Street Elbows



Part #	Size	Edelmann	Weatherhead
3575	1/8	224200	3350x2
3576	1/4	224400	3350x4
3577	3/8	224600	3350x6

Brass 90° Pipe Street Elbows



Part #	Size	Edelmann	Weatherhead
3543	1/8 - 1/8	216200	3400x2
3544	1/4 - 1/4	216400	3400x4
3545	3/8 - 3/8	216600	3400x6
4719	1/2 - 1/2	216800	3400x8



Brass Pipe to Pipe Bushings



Part #	Size	Edelmann	Weatherhead
3529	1/4 - 1/8	210420	3220x4x2
3530	3/8 - 1/8	210620	3220x6x2
3531	3/8 - 1/4	210640	3220x6x4
3532	1/2 - 1/8	210820	3220x8x2
3533	1/2 - 1/4	210840	3220x8x4
3534	1/2 - 3/8	210860	3220x8x6
4716	3/4 - 3/8	210926	3220x12x6
4717	3/4 - 1/2	210928	3220x12x8

Brass Pipe Closed Nipples



Part #	Size & Length	Edelmann	Weatherhead
3535	1/8 (3/4")	212200	3326x2
3536	1/4 (7/8")	212400	3326x4
3537	3/8 (1")	212600	3326x6
4718	1/2 (1-1/8")	212800	3326x8

Brass Pipe to Pipe Hex Nipples



Part #	Size	Edelmann	Weatherhead
3568	1/8 - 1/8	222220	3325x2
3569	1/4 - 1/4	222440	3325x4
3572	1/4 - 1/8	222420	3325x4x2
3573	3/8 - 3/8	222660	3325x6
3574	3/8 - 1/4	222640	3325x6x4
4722	1/2 - 1/2	222880	3325x8

Brass Pipe Long Nipples



Part #	Size & Length	Edelmann	Weatherhead
3538	1/8 (1-1/2")	213210	3327x2
3539	1/8 (2")	213220	3328x2
3540	1/4 (1-1/2")	213410	3327x4
3541	1/4 (2")	213420	3328x4
3542	3/8 (1-1/2")	213610	3327x6

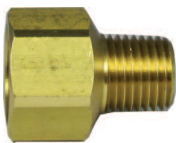


Double Compression Male Connectors



Part #	Tube Size	Pipe Thread	Edelmann	Weatherhead
3590	1/8"	1/8	112220	6200x2
3591	3/16"	1/8	112320	6200x3
3592	1/4"	1/8	112420	6200x4

Brass Pipe to Pipe Adapters



Part #	Size (F) - (M)	Edelmann	Weatherhead
3557	1/8 - 1/8	220220	3200x2
3558	1/4 - 1/8	220420	3200x4x2
3559	1/4 - 1/4	220440	3200x4
3564	3/8 - 1/4	220640	3200x6x4
3565	3/8 - 3/8	220660	3200x6

Brass Pipe Square Head Plugs



Part #	Size	Edelmann	Weatherhead
3526	1/8	221200	3151x2
3527	1/4	221400	3151x4
3528	3/8	221600	3151x6
4721	1/2	221800	3151x8

Brass Slotted Pipe Plug



Part #	Size	Edelmann	Weatherhead
3546	1/8	217200	3150x2

Brass Internal Hex Pipe Plugs



Part #	Size	Edelmann	Weatherhead
3547	1/8	226200	3153x2
3548	1/4	226400	3153x4
3549	3/8	226600	3153x6
3550	1/2	226800	3153x8



Detachable Air Brake Fittings

Hose Mender



Part #	Hose I.D	Edelmann	Weatherhead
4799	3/8"	926260	33806B-Y06

Male Hose Connector



Part #	Hose I.D	Pipe Thread	Edelmann	Weatherhead
4800	3/8"	1/4	926864	33806B-Y24



Air Brake Fittings For Nylon Tubing

Compression Unions



Part #	Size	Edelmann	Weatherhead
4787	1/4"	916240	1462x4
4788	3/4"	916292	1462x12

Compression Union Tees



Part #	Size	Edelmann	Weatherhead
4793	1/4"	916440	1464x4
4794	3/8"	916460	1464x6

Male Connectors



Part #	Tube Size	Pipe Thread	Edelmann	Weatherhead
4795	1/4"	1/8	916842	1468x4
4796	1/4"	1/4	916844	1468x4x4
4797	1/4"	3/8	916846	1468x4x6

Male Elbow Connectors



Part #	Tube Size	Pipe Thread	Edelmann	Weatherhead
4798	3/8"	1/4	916964	1469x6

Compression Nuts



Part #	Tube Size	Edelmann	Weatherhead
4783	1/4"	916140	1461x4
4784	1/2"	916180	1461x8
4785	5/8"	916190	1461x10
4786	3/4"	916192	1461x12

Compression Sleeves



Part #	Tube Size	Edelmann	Weatherhead
4779	3/8"	916060	1460x6
4780	1/2"	916080	1460x8
4781	5/8"	916090	1460x10
4782	3/4"	916092	1460x12

Brass Inserts



Part #	Tube Size	Edelmann	Weatherhead
4789	1/4"	916340	1484x4
4790	3/8"	916360	1484x6
4791	1/2"	916380	1484x8
4792	3/4"	916392	1484x12



Brass Hose Barb to Pipe



Part #	Hose I.D	Pipe Thread
4275	1/4"	1/8
4276	1/4"	1/4
4282	5/16"	1/4
4283	5/16"	3/8
4759	5/16"	1/8
4760	5/16"	1/4
4277	3/8"	1/8
4278	3/8"	1/4
4279	3/8"	3/8
4758	3/8"	1/8
4280	1/2"	3/8
4281	3/4"	3/8

Brass Hose Joiners



Part #	Hose (1)	Hose (2)
2885	1/4"	1/4"
2886	5/16"	5/16"
2887	3/8"	3/8"
2894	1/2"	1/2"
2895	5/8"	5/8"
2896	3/4"	3/4"
2899	5/8"	5/8"
2898	12mm	12mm

GM Female Tank Sender Fittings



Fuel line to Hose

Part #	Size
4301	14mm x 1.5
4300	16mm x 1.5

GM High Flow Unions



Part #	Size
4303	14mm x 1.5
4302	16mm x 1.5



Clamp Style Barb to Invert Tube



Part #	Inv Tube	Hose I.D	Edelmann	Weatherhead
4761	1/4"	5/16"	821450	1598
4762	5/16"	5/16"	821550	1560
4763	5/16"	3/8"	821560	1568
4776	5/16" S.A.E	5/16"	842550	10005B-305
4764	3/8"	3/8"	821660	1570
4778	3/8"	1/4"	844640	-



Clamp Style Rigid Female



Part #	Inv Tube (F)	Hose I.D	Edelmann	Weatherhead
4769	5/16"	5/16"	824550	-
4775	5/16"	5/16"	841550	-



Push-On Swivel Male



Part #	Tube	Hose I.D	Edelmann	Weatherhead
4743	5/16"	1/4"	721540	10004B-B05
4744	5/16"	3/8"	721550	10005B-B05



Clamp Style Pipe Male Elbow



Part #	Pipe Thread	Hose I.D	Edelmann	Weatherhead
4770	1/8	1/4"	831240	1582
4771	1/8	5/16"	831250	1556
4772	1/8	3/8"	831260	1572
4773	1/4	5/16"	831450	1557
4774	1/4	3/8"	831460	1571



Pipe Push-On Rigid Male



Part #	Pipe Thread	Hose I.D	Edelmann	Weatherhead
4749	1/8	1/4"	744240	10004B-102
4750	1/4	1/4"	744440	10004B-104
4751	1/4	5/16"	744450	10005B-104
4752	1/4	3/8"	744460	10006B-104
4753	3/8	3/8"	744660	10006B-106
4754	3/8	1/2"	744860	-



Clamp Style Rigid Male Elbows



Part #	Inv. Tube	Hose I.D	Edelmann	Weatherhead
4765	5/16"	1/4"	822540	1404
4766	5/16"	5/16"	822550	1405
4767	5/16"	3/8"	822560	1406
4768	3/8"	3/8"	822660	1407



Pipe Push-On Male Elbow



Part #	Pipe Thread	Hose I.D	Edelmann	Weatherhead
4745	1/8	1/4"	731240	-
4746	1/8	5/16"	731250	10005B-C02
4747	1/4	1/4"	731440	-
4748	3/8	3/8"	731660	-

Nylon Fuel Line Tubing Joiners

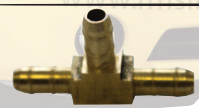


Part #	Hose I.D
2994	1/4" (6mm)
2959	5/16" (8mm)
3220	3/8"
2968	10mm



When attaching brass or steel joiners into nylon fuel lines, 360° Seal Clamps must be used to ensure a leak free connection

Nylon Fuel Line Tubing Tees & 90° Joiners



Part #	Hose I.D
3223	1/4"
3224	5/16" (8m) & 3/8"

Part #	Hose I.D
3225	1/4"
3226	5/16"



Brass Push-On Hose Menders



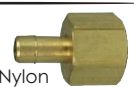
Part #	Hose I.D	Edelmann	Weatherhead
4755	1/4"	750400	10004B-Y04
4756	5/16"	750500	10005B-Y05
4757	3/8"	750600	10006B-Y06

Brass Hose Reducers



Part #	Hose I.D
3204	1/4" to 5/16" (8mm)
3205	5/16" (8mm) to 3/8" (10mm)

GM Female Tube to Nylon



Part #	Tube Size	Thread
4237	8m	14m - 1.5
4236	10m	16m - 1.5



Compression Union To Hose Barbs



Part #	Hose I.D	Tube Size
2820	5/16"	5/16"
2821	3/8"	3/8"

Multi-Purpose Copper Tubing



Copper tubing is available individually packaged in 25ft. coils in nine diameters. 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" & 3/4". Copper tubing is manufactured according to BSEN 12499, CWO 24A & CW352H and is 100% electronically pressure tested for pin holes.



Coil Size	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"
Length	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
25'	CT2	CT3	CT4	CT5	CT6	CT7	CT8	CT10	CT12

*(Not to be used for Brake or Propane Applications)

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

Approved and Rated for Gas & Diesel

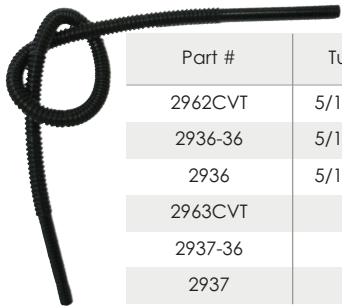
Part #	Tube O.D	Coil Length
2962 - 25	5/16" (8mm)	25'
2962 - 100	5/16" (8mm)	100'
2962 - 1000	5/16" (8mm)	1000'
2963 - 25	10mm	25'
2963 - 100	10mm	100'
2963 - 1000	10mm	1000'
2997 - 25	1/4"	25'
2997 - 100	1/4"	100'



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

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'

Convolutd Nylon Fuel Line



Part #	Tube O.D	Length
2962CVT	5/16" (8mm)	10"
2936-36	5/16" (8mm)	36"
2936	5/16" (8mm)	25'
2963CVT	10mm	10"
2937-36	10mm	36"
2937	10mm	25'

Nylon Tube Cutter

Part #MO29



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

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



Nylon Fuel Line Quick Connect Joiners



Part #	Tube O.D
2945	1/4"
2946	8mm
2947	3/8"
3248	10mm
3249	5/16"

Recommend Part No. 5414 pincers to close 360° Seal clamps

Nylon Fuel Repair Lines with Flex Section

(Easily bends into 90° & "S" Bends)



Part #	Connection
3088K	1/4" connector to 8mm / 5/16" nylon Ford
3069K	5/16" connector to 8mm / 5/16" nylon Ford
3169	5/16" connector to 10mm nylon Ford
3070K	3/8" connector to 8mm / 5/16" nylon Ford
3071K	3/8" connector to 10mm nylon Ford



Part #	Connection
3085K	8mm - 5/16" nylon fuel line splice
3086K	10mm - 3/8" nylon fuel line splice



Part #	Connection
3153K	5/16" connector elbow to 8mm / 5/16" nylon GM, Chrysler
3155K	5/16" connector elbow to 10mm nylon GM, Chrysler
3154K	3/8" connector elbow to 10mm nylon GM, Chrysler



Part #	Connection
3068K	5/16" connector 90° elbow to 8mm / 5/16" nylon Ford, GM
3091K	3/8" connector 90° elbow to 8mm / 5/16" nylon Ford, GM
3092K	3/8" connector 90° elbow to 10mm nylon Ford, GM



Part #	Connection
3167	1/4" connector to 8mm / 5/16" nylon GM, Chrysler
3101K	5/16" connector to 8mm / 5/16" nylon GM
3100K	3/8" connector to 10mm nylon GM



Part #	Connection
3156K	5/16" 45° connector elbow to 5/16" (8mm) nylon splice
3157K	3/8" 45° connector elbow to 3/8" nylon splice

Nylon Evap Repair Lines 12mm- 1/2"- 5/8"



Part #	Connection
3312K	1/2" to 1/2" Evaporator Tube Repair
3313K	1/2" to 90° Elbow 1/2" Evaporator Tube Repair
3314K	5/8" to 5/8" Evaporator Tube Repair
3315K	5/8" to 90° Elbow 5/8" Evaporator Tube Repair
3316K	5/8" to 45° Elbow 5/8" Evaporator Tube Repair
3310K	12mm to 1/2" Evaporator Tube Repair
3311K	12mm to 90° Elbow 1/2" Evaporator Tube Repair

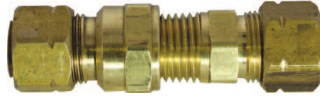
Check Valves & Diesel Fuel Repair Lines

360° Seal Fuel Line Check Valve



Problem: Fuel pump check valve fails causing fuel pressure drop and hard starts.

Solution: Install in-line check valve. Inexpensive 15 minute repair, works with steel and nylon fuel line.



Part #	Size
4910	5/16"
4911	3/8"

Fuel Repair Lines

Steel Quick Connector to Nylon Repair Lines

Part #	Size
3166	1/4"
3165	5/16"
3164	3/8"



3163

'95 - early '98 plastic modular fuel sender to filter repair line Cavalier, Sunfire, Grand Am, etc.



3175

'98 - '02 Plastic modular fuel sender to filter repair line Cavalier, Sunfire.



3176

'98 - up plastic modular fuel sender to filter repair line Grand Am Alero.



GM Truck Tank Hose to Steel Tube Repair Lines



Part #	Description
4357	5/16" x 32" (24" Steel to 8" Hose) (F) 14mm x 1.5
4356	3/8" x 32" (24" Steel to 8" Hose) (F) 16mm x 1.5



GM Duramax Diesel Fuel Repair Lines

3158



2001 - 2013

All Ends Included (4)

3360



Part #	Description
3158	3/8" x 24" GM 2500 & 3500 Truck diesel fuel cooler repair line
3360	1/2" x 60" Cupro Nickel with ridge bead to 1/2" Compression Union (4405)
3361	1/2" x 10" Cupro Nickel with ridge bead to 1/2" Compression Union (4405)

Ridge Bead to Ridge Bead Adapter Lines

1/4" Tubing		5/16" Tubing		3/8" Tubing	
Part #	Length	Part #	Length	Part #	Length
3293	4"	3294	4"	3295	4"
3095-12	12"	3067-12	12"	3066-12	12"
3095	18"	3067	18"	3066	18"
3152	36"	3302	24"	3150	36"
		3151	36"		

GM Pickup Feed & Return Repair Lines

Part #	Size & Length	Fitting
3063Z	5/16" x 9"	14mm x 1.5
3062Z	3/8" x 9"	16mm x 1.5



Steel Fuel Repair Lines

GM Threaded Fitting to Nylon Adapter Lines



Part #	Size & Length	Description
3119	5/16" x 3 3/4"	14mm fitting GM. (Use nylon tube 2962)
3119L	5/16" x 6"	14mm fitting GM. (Use nylon tube 2962)
3120	3/8" x 3 3/4"	16mm fitting GM. (Use nylon tube 2998)
3135	3/8" x 3 3/4"	16mm fitting GM. (Use nylon tube 2963)
3135L	3/8" x 6"	16mm fitting GM. (Use nylon tube 2963)

Ridge Bead to Nylon Adapter Lines



All Makes

Part #	Size & Length	Description
3144	1/4" x 3 3/4"	Ridge Bead Ford/GM/Chrysler. (Use nylon tube 2997)
3118	5/16" x 3 3/4"	Ridge Bead Ford/GM/Chrysler. (Use nylon tube 2962)
3118L	5/16" x 6"	Ridge Bead Ford/GM/Chrysler. (Use nylon tube 2962)
3117	3/8" x 3 3/4"	Ridge Bead Ford/GM/Chrysler. (Use Nylon tube 2998)
3134	3/8" x 3 3/4"	Ridge Bead Ford/GM/Chrysler. (Use nylon tube 2963)

Hose Bump to Nylon Adapter Lines



All Makes

Part #	Size & Length	Description
3122	5/16" x 3 3/4"	Hose end Ford/GM/Chrysler. (Use nylon tube 2962)
3121	3/8" x 3 3/4"	Hose end Ford/GM/Chrysler. (Use nylon tube 2998)
3133	3/8" x 3 3/4"	Hose end Ford/GM/Chrysler. (Use nylon tube 2963)

Ridge Bead 1/4" Tube to 5/16" Nylon Tube



Part #	Size & Length	Description
3138	1/4" x 3 3/4"	Ridge Bead to 5/16" Nylon Tubing Ford/GM/Chrysler.

Threaded Fitting to Nylon Adapter Lines



All Makes
Attaching Hardware included

Part #	Size & Length	Description
3296	5/16" x 4 3/4"	5/16" Tube 1/2"-20 (Use nylon tube 2962)
3299	3/8" x 4 3/4"	3/8" Tube 5/8"-18 (Use nylon tube 2963)

GM Threaded Fitting to Ridge Bead Adapter Line



Part #	Size & Length	Description
3153	5/16" x 4"	14mm x 1.5 to ridge Bead
3154	3/8" x 4"	16mm x 1.5 to ridge Bead
3268	3/8" x 6"	16mm x 1.5 to ridge Bead

Ridge Bead to Nylon Adapter Line



All Makes

Part #	Size & Length	Description
3142	5/16" x 3 3/4"	90° Elbow with ridge bead to unformed end
3141	3/8" x 3 3/4"	90° Elbow with ridge bead to unformed end

90° Nylon to Nylon Adapter Lines



All Makes

Part #	Size & Length	Description
3143	1/4" x 3 3/4"	90° bend repair elbow. (Use nylon tube 2997)
3116	5/16" x 3 3/4"	90° bend repair elbow. (Use nylon tube 2962)
3137	5/16" x 3 3/4"	90° bend repair elbow. (Use nylon tube 2962)
3136	3/8" x 3 3/4"	90° bend repair elbow. (Use nylon tube 2998)
3162	3/8" x 3 3/4"	90° bend repair elbow. (Use nylon tube 2963)

GM Threaded Fitting to Nylon Adapter Lines



Part #	Size & Length	Description
3195	5/16" x 4 3/4"	90° - 14mm x 1.5 to Nylon (Use nylon tube 2962)
3196	3/8" x 4 3/4"	90° - 16mm x 1.5 to Nylon (Use nylon tube 2963)

Ridge Bead to Nylon Adapter Lines



All Makes

Part #	Size & Length	Description
3171	5/16" x 3 3/4"	90° Ridge bead to nylon (Use nylon tube 2962)

GM Steel Fuel Line to Hose Repair Lines



* "R" Represents Attaching Hardware included

14mm x 1.5 to Nylon
(Use nylon tubing 2962)

16mm x 1.5 to Nylon
(Use nylon tubing 2963)

Part #	Length	Part #	Length
3146	4"	3145	4"
3181	6"	3180	6"
3063 / 3063R*	9"	3062 / 3062R*	9"
3308	12"	3307	12"
3061 / 3061R*	18"	3060 / 3060R*	18"
3065D	30"	3064 / 3064R*	36"
3065 / 3065R*	36"	3301	48"
3271	60"	3270	60"

Ridge Bead to Hose Bump Adapter Line



All Makes

Part #	Size & Length	Description
3188	5/16" x 3 3/4"	Ridge bead to hose bump (Use nylon tube 2962)
3189	3/8" x 3 3/4"	Ridge bead to hose bump (Use nylon tube 2963)



Steel Fuel Repair Lines

Part #	Size & Length	Description
3303	5/16" x 18"	14m x 1.5 (3009) O-Ring Flare to 5/16" tube x 1/2"- 20 Inv (3006)
3304	3/8" x 18"	16m x 1.5 (3008) O-Ring Flare to 3/8" tube x 5/8"- 18 Inv (3015)



Part #	Size & Length	Description
3305	5/16" x 18"	Ridge Bead to 5/16" tube x 1/2"- 20 Inv (3006)
3306	3/8" x 18"	Ridge Bead to 3/8" tube x 5/8"- 18 Inv (3015)

Hose Bump Adapter Lines

Part #	Size & Length
3148	5/16" x 4"
3147	3/8" x 4"
3771	3/8" x 24"

180° Adapter Line

Part #	Fitting- Size & Length
3149	16mm x 1.5 - 3/8" x 6"

Import Steel Fuel Repair Lines

Part #	Size & Length	Fitting
3487K	5/16" x 8 3/4"	14mm Toyota
3488K	5/16" x 8 3/4"	14mm Honda

Part #	Size & Length	Fitting
3445K	5/16" x 12"	14mm x 1.5 Japanese /GM
3448K	5/16" x 12"	14mm x 1.25 Japanese / GM

Fuel Line Replacement Retainer Clips

	3102		3104		3105		3107
	3103		3221		3222		3202
	3111		3221		3222		3203
	3114		3318		3317		3202
	3108		3319		3317		3203
	3109		3320		3317		3202
	3325		3321		3317		3202
	3326		3321		3317		3202

Part #	Description	Part #	Description
3111	1/4" GM / Chrysler / Ford	3222	3/8" Ford (Black) New style
3103	5/16" GM / Chrysler / Ford	3326	3/8" Steel Retainer Clip
3104	5/16" Ford (White)	3321	3/8" Ford fuel Line Clip (with pop-up tab)
3107	5/16" Ford Transmission line	3323	3/8" Ford Fuel Line Clip (Red)
3108	5/16" Release sleeve GM / Chrysler	3114	1/2" GM / Chrysler / Ford
3221	5/16" Ford (White) New style	3318	1/2" Vent Connector
3325	5/16" Steel Retainer Clip	3319	5/8" Vent connector
3320	5/16" Ford Fuel Line Clip (with pop-up tab)	3203	Ford Truck 10.5mm
3322	5/16" Ford Fuel Line Clip	3317	12mm Vent connector
3102	3/8" GM / Chrysler / Ford	3202	Ford Truck 13mm
3105	3/8" Ford (Black)		
3109	3/8" Release sleeve GM / Chrysler		

Fuel Line Tube Nuts



Part #	Tube Size	Thread	Thread Pitch
3008	5/16"	14mm	1.5 GM (Olive)
3009	5/16"	14mm	1.5 GM Japanese (Yellow)
3445	5/16"	14mm	1.25 Japanese (Silver)
3448	5/16"	14mm	1.5 Toyota Coated (Gold)
3487	5/16"	14mm	1.5 Honda Coated (Olive)
3488	3/8"	16mm	1.5 GM (Olive)

Viton O-Rings

Part #	Tube Size
2881	5/16"
2880	3/8"



Quick Release Fuel Line Quick Connectors



FMSI's new style Quick Connectors have finger press release button built into each connector for easy removal.

Part #	Style	Description
3370		5/16" to 8mm 90° Nylon fuel Line (2962-25)
3371		5/16" to 8mm Nylon fuel Line (2962-25)
3372		5/16" to 8mm & 8mm 90° to Nylon fuel Line (2962-25)
3373		5/16" (8mm) to 10mm Nylon fuel Line (2963-25)
3374		5/16" (8mm) to 10mm 90° Nylon fuel line (2963-25)
3375		5/16" (8mm) to 10mm Nylon fuel line (2963-25)
3376		5/16" (8mm) to 10mm 90° Nylon fuel line (2963-25)
3377		5/16" (8mm) to 10mm 90° Nylon fuel line (2963-25)

GM Fuel Filters with Test Port

Ensure fuel systems are able to maintain pressure without using invasive techniques.

Simply install filter... Test Pressures...

Part # 4260



Replacement of:
AC Delco - GF578
Purulator - F54714
Service Champ - 52073
WIX - 33311
Fram - G7315

Part # 4261



Replacement of:
AC Delco - GF481
Purulator - F33144
Service Champ - 52066
WIX - 33481
Fram - G3727

FMSI OE Style Quick Connectors

FMSI Offers Over 40 OE Fuel Line Quick Connectors.



Easily installed,
Matching S.A.E. specifications.

Triple Barb for Nylon fuel line
(The same as OE)
Never use clamps on nylon
fuel line connectors



There is the correct way & the quick way...
Quicker is not better!

Single Barb Hose Bump
for rubber hose

(Which OE Uses Hose Bumps & Clamps?)

NONE!



The competition offers less than 10 fuel line hose connectors

1/4" OE Style Quick Connectors



Part #	Style	Description
2973		1/4" to 8mm / 5/16" nylon fuel line

5/16" OE Style Quick Connectors

Part #	Style	Description
2964		5/16" 90° to 8mm / 5/16" nylon fuel line.
2965		5/16" to 8mm / 5/16" nylon fuel line.
2974		5/16" to 10mm nylon fuel line.
2979		5/16" to 8mm / 5/16" nylon fuel line.
3153C		5/16" - 90° to 8mm nylon fuel line
3155C		5/16" - 90° to 10mm nylon fuel line.
3156C		5/16" 45° to 8mm 5/16" nylon fuel line

Stainless Steel / Steel Quick Connectors

Part #	Style	Description
4222		1/4" Stainless Steel
3093H		5/16" Steel Quick Connector
3094H		5/16" x 45° Steel
3330		5/16" to 5/16" Stainless Steel
4229		5/16" Stainless Steel
3334		3/8" - 3/8" x 45° Stainless Steel
2996		3/8" Stainless steel
3333		3/8" Stainless steel to 5/16" nylon
3331		3/8" to 3/8" Stainless Steel
3332		3/8" to 5/16" Stainless Steel

3/8" OE Style Quick Connectors

Part #	Style	Description
2966		3/8" to 8mm / 5/16" nylon fuel line
2967		3/8" to 10mm nylon fuel line
2971		3/8" 90° to 10mm nylon fuel line.
2972		3/8" 90° to 8mm nylon fuel line.
2978		3/8" to 10mm nylon fuel line.
3154C		3/8" - 90° to 10mm nylon fuel line
3157C		3/8" 45° to 10mm nylon fuel line
3339		3/8" - 90° to 5/16" (8mm) nylon
3340		3/8" - 90° to 3/8" (10mm) nylon

1/2" OE Style Evap Quick Connectors

Part #	Style	Description
3312		1/2" - to 1/2" tubing.
3313		1/2" - 90° to 1/2" tubing.

5/8" OE Style Evap Quick Connectors

Part #	Style	Description
3314		5/8" to 5/8" tubing.
3315		5/8" - 90° to 5/8" tubing.
3316		5/8" - 45° to 5/8" tubing.

12mm OE Style Evap Quick Connectors

Part #	Style	Description
3310		12mm to 1/2" tubing.
3311		12mm - 90° to 1/2" tubing.

Nylon Barb to Ridge Bead Connectors



Part #	Description
3352	1/4" Nylon fuel line to 1/4" ridge bead
3353	5/16" Nylon fuel line to 5/16" Ridge bead
3354	3/8" Nylon fuel line to 3/8" ridge bead

Requires NO Clamps



10mm							14mm (Continued)						
Part #	Style	Description	Hex	Washer Face	Overall Length	Under head length	Part #	Style	Description	Hex	Washer Face	Overall Length	Under head length
1061		Hex head molded washer face Ford 10mm x 1.5	13mm	26.65mm	37.82mm	24.77mm	1033		Hex head washer insert Ford 14mm x 1.5	16mm	27.65mm Gasket 2134	33.98mm	20.00mm
12mm							1040		Hex head washer insert Ford 4.0 14mm x 1.5	13mm	28.77mm Gasket 2133 inc	33.95mm	20.46mm
1003		Hex head washer face GM 12mm x 1.75	15mm	22mm Gasket 2125	36.64mm	24.72mm	1041		Hex head washer face Magnetic tip 14mm x 1.5	13mm	23.04mm Gasket 2126	30.00mm	19.66mm
1014		Hex head washer face Nissan/Toyota 12mm x 1.25	14mm	19.72mm Gasket 2136	26.68mm	17.03mm	1045		Hex head washer face Honda/Acura 14mm x 1.5	17mm	24.31mm Gasket 2160	21.42mm	10.76mm
1029		Hex head washer insert Saturn 12mm x 1.75	14mm	31.60mm Gasket 2131	33.77mm	18.50mm	1046		Hex head washer face Mercedes 14mm x 1.5	13mm	18.75mm Gasket 2085	33.32mm	23.87mm
1034		Hex head washer insert Ford 12mm x 1.75	15mm	26.06mm Gasket 2132	37.62mm	24.25mm	1050		Internal drive GM Catera 14mm x 1.5	int. hex	25.44mm Gasket 2135	13.38mm	9.78mm
1039		Hex head nylon insert magnetic tip GM 12mm x 1.75	15mm	26.10mm Gasket 2132	43.23mm	29.43mm	1051		Hex head washer face w/ gasket 14mm x 1.5	3/4" - 19mm	24.72mm Gasket 2162	27.95mm	15.41mm
1044		Hex head with gasket BMW 12mm x 1.5	11/16"	- Gasket 2161	26.06mm	18.64mm	1054		Hex head washer insert Chrysler 14mm x 1.5	13mm	28.73mm Gasket 2137	33.67mm	21.00mm
1048		Hex head molded washer face Ford 12mm x 1.75	15mm	26.56mm	39.74mm	27.10mm	1055		Hex head w/ integral washer VW 14mm x 1.5	19mm	- Gasket 2053	30.00mm	22.86mm
1049		Hex head washer insert Ford 12mm x 1.75	13mm	26.66mm Inset Gasket 2138 inc	35.82mm	24.22mm	1063		Hex head molded washer Chrysler 14mm x 1.5	1/2"	27.72mm	30.44mm	19.50mm
1062		Hex head molded washer face GM/AMC 12mm x 1.75	15mm	26.58mm	32.67mm	21.00mm	1065		Oil Pan Plug Honda / Acura 14mm x 1.5 *(Long)	17mm	24mm Gasket 2160	25.88mm	15mm
1068		Toyota/ Nissan Oil Drain Plug 12mm x 1.25	14mm	19.70mm Gasket 2136	22mm	12.50mm	1079		Oil Pan Plug Chevy Sonic, Cruz 14mm x 1.5	3/8"	27.28		15.3mm
1069		Nissan Oil Drain Plug 12mm x 1.25	15mm	26mm Gasket 2164	38mm	24mm	16mm & 16.4mm						
1070		General Motors Oil Drain Plug 12mm x 1.75	14mm	22.35mm Gasket 2132	22mm	11mm	1009		Hex head washer face Nissan 16mm x 1.5	19mm	26.36mm Gasket 2054	25.56mm	12.17mm
1075		General Motors Oil Drain Plug 12mm x 1.75	13mm	Inset washer Gasket 2132 inc		25mm	1012		Hex head washer face Nissan/Volvo 16.4mm x 1.33	19mm	26.28mm Gasket 2054	25.66mm	11.78mm
1076		GM Oil Drain Plug OE: 3538469 12mm x 1.75	15mm	Inset washer Gasket 2132 inc		24.5mm	1080		Subaru Oil Drain Plug 16mm x 1.5	14mm	24mm Gasket 2079		10mm
1077		GM Oil Drain Plug OE: 3536964 12mm x 1.75	15mm	Inset washer Gasket 2132 inc		24.66	18mm						
1081		Oil Drain Plug BMW/Mercedes 12mm x 1.5	17mm	Gasket 2152		12mm	1010		Hex head washer face Toyota 18mm x 1.5	19mm	28.32mm Gasket 2112	25.41mm	11.47mm
1082		Oil Drain Plug BMW/Mercedes 12mm x 1.5	13mm	Gasket 2152		12mm	1053		Internal drive Dodge Cummins Diesel 18mm x 1.5	int. square	31.03mm	24.26mm	19.41mm
14mm							1074		Internal drive molded washer face 18mm x 1.5	19mm	2.0mm		24.05mm
1002		Hex head washer face Ford 14mm x 1.5	1/2"	22.96mm Gasket 2126	1.017"	.606"	1078		Hex head washer face Volvo 18mm x 1.5	19mm	22.8mm Gasket 2162		18mm
1017		Hex head Volkswagen 14mm x 1.5	19mm	- Gasket 2078	24.02mm	13.66mm	20mm						
1027		Hex head washer face Ford 14mm x 1.5	5/8"	25.27mm Gasket 2126	31.91mm	21.14mm	1011		Hex head washer face Honda/Subaru 20mm x 1.5	17mm	27.07mm Gasket 2156	26.29mm	13.84mm
1030		Hex head washer face Jeep 14mm x 1.25	13mm	22.55mm Gasket 2126	26.43mm	16.65mm	22mm						
1032		Hex head molded washer face Dodge 14mm x 1.5	17mm	27.94mm	29.99mm	16.92mm	1016		22mm Oil Drain Plug	3/4"	27mm Gasket 2157	25.5mm	12.75mm
14mm							1047		Internal drive Dodge Cummins Diesel 22mm x 1.5	10mm int hex	33.56mm Gasket 2157	22.08mm	18.75mm
14mm							26mm						
14mm							1013		Internal drive washer face Mercedes, Audi, VW 26mm x 1.5	15mm int hex	34.30mm	18mm	14.47mm

Original Equipment Oil Pan Drain Plugs

Call for Application guide

Part #	Style	Description	Hex	Washer Face	Overall Length	Under head length
1001		Hex head washer face GM 1/2" x 20 t.p.i	9/16"	14.38mm Gasket 2125	27.02mm	17.55mm
1028		Molded washer face Chrysler 1/2" x 20 t.p.i	5/8"	27.97mm	1.293"	.816"
1072		Hex head Oil drain plug Volvo 3/4" - 16	1"	24.38mm	17.77mm	10.54mm
1071		Hex Head 5/8" - 18	13mm	23mm Gasket 2054	23mm	13mm

Self Tapping Oil Pan Drain Plugs

Part #	Style	Description	Hex	Washer Face	Overall Length	Under head length
1021		Hex head Repair Plug 12mm x 1.25 Oversize	19mm	17.4mm Gasket 2125	26.26mm	18mm
1022		Hex head Repair Plug 12mm x 1.75 Oversize	19mm	17mm Gasket 2125	25.26mm	25.5mm
1020		Hex head Repair Plug 14mm x 1.5 Oversize	19mm	17.17mm Gasket 2126	23.9mm	17mm
1073		Oversized Piggy back 14mm x 1.5	3/4"	17.8mm Gasket 2126	23.5mm	13mm
1004		Piggyback "A" 1/2" Oversize	3/4"	16.92mm Gasket 2110	24.56mm	13.82mm
1005		Piggyback "AA" 1/2" Oversize	3/4"	16.92mm Gasket 2109	24.63mm	14.22mm
1006		1/2" Oversize "A"	3/4"	17.78mm Gasket 2110	21.08mm	13.97mm
1007		1/2" Oversize "AA"	3/4"	17.78mm Gasket 2110	21.08mm	13.97mm
1008		1/2" Oversize "AAA"	3/4"	17.78mm Gasket 2109	21.08mm	13.97mm

Transmission Drain & Differential Plugs

Part # 1024 	Part # 1025 	Part # 1026
Part # 1057 	Part # 1058 	Part # 1059
Part # 1064 	Part # 1060 	Part # 1067

Part #	Style	Description	Part #	Style	Description
1052		Universal drain plug (not for Honda & VW)	1105		Oil pan plug O-ring BMW - 11-13-7-706-018 ID-19mm OD- 22mm Th-3mm

Oil Drain Plug Gaskets

Copper		Aluminum		Fiber	
Part #	Style	Part #	Style	Part #	Style
2076	1/2"	2151	1/2"	2101	1/2"
2077	12mm	2152	12mm	2102	12mm
2085	14mm	2161	12mm	2103	14mm
2078	14mm	2153	14mm	2104	16mm
2079	16mm	2160	14mm	2105	18mm
2080	18mm	2154	16mm	2106	20mm
2081	20mm	2162	18mm Mazda	2107	22mm
		2155	18mm	2108	25mm
		2156A	20mm 24 O.D.	2109	Dbl Oversize
		2156	20mm	2110	Oversize
		2157	22mm		
		2159	24mm		
		2165	25mm		
		2163	32mm		

Steel & Viton General Motors		Copper Fiber		Nylon	
Part #	Style	Part #	Style	Part #	Style
2125	1/2"	2051	1/2"/12mm	2001	1/2"
2125	12mm	2053	14mm	2002	12mm
2126	14mm	2054	16mm	2003	14mm
2127	16mm	2055	18mm	2004	16mm
2128	18mm	2056	20mm	2005	18mm
2130	22mm	2058	26mm	2006	20mm

OE Rubber GM, Ford, Chrysler		OE Rubber Chrysler		Copper Fold Over	
Part #	Style	Part #	Style	Part #	Style
2132	12mm	2137	14mm	2164	12mm
2138	12mm				
2131	12mm				
2134	14mm				
2133	14mm				
2135	14mm				
2137	14mm				
2140	7/8"				

Teflon® Coated Fiber Toyota		Double Fiber		Steel & Rubber	
Part #	Style	Part #	Style	Part #	Style
2136	12mm	2111	12mm	2124	12mm
		2112	18mm		

Oil Drain Plug & Gasket Assortment

NEW



Part No. 0141
Master Oil Drain Plug and Gasket Assortment



This Oil Drain Plug & Gasket assortment contains the Complete FMSI Drain Plug and gasket program inventory for your store or repair shop.

Top 44 Oil Drain Plugs with corresponding gasket in each slot.
Application Guide Included
85 Pieces

Call for Application guide

Transmission Quick Connectors

 <p># 4175 3/8" Tube Transmission Quick connector Male Thread: 9/16" - 18 UNF - 2A OE #: (GM) 15043741 (Chrysler)05290238AA</p>	 <p># 4176 Non Clogging - 3/8" Inline transmission filter Installs at the cooler outlet(Hex) 23.81m (Overall) 47.8m(Thru Hole) 6.53m (Mating Length) 15.62m</p>	 <p># 4206 3/8" Transmission Quick connector Male Thread: 1982 - Up (Ford)</p>
 <p># 4207 1/2" tube x 3/8" - 18 NPTF Chevy Truck, GMC 1992 - 2002 OE #(GM) 15043741</p>	 <p># 4208 3/8" tube x 1/4" - 18 NPS - Buick, GM, GM Trucks GMC, Oldsmobile and Pontiac 1990 - 2008 OE #(GM) 24233366, (GM)24205102 & (GM)24231875</p>	 <p># 4209 3/8" tube x 5/8"-18 UNF - 2A Buick, GM, GM Trucks GMC, Oldsmobiles and Pontiac - 1982 - 2006 OE# (GM) 19130039 (GM) 15719695</p>
 <p># 4210 3/8" tube x 3/8" - 18 NPTF GM Trucks - S/T, Astro, Safari 1996 - 2006 OE #(GM) 15724728</p>	 <p># 4220 1/2" tube x 20mm - 1.5 General Motors, GM Trucks, GMC, Oldsmobile, Pontiac OE #(GM)15719697</p>	 <p># 4221 3/8" tube x 1/4 NP Chrysler</p>
 <p># 4223 5/8" tube x 7/8" - 14 UNF Cadillac, GM, GMC 1997-2009 OE #(GM) 15724710 & 15170197 Delphi # 52498974</p>	 <p># 4224 5/8" tube x 7/8" - 14 UNF Silverado, Sierra, Tahoe, Yukon, Suburban Avalanche, Escalade EXT,ESV 1999 - Up OE #(GM) 29547931</p>	 <p># 4225 5/8" tube x 3/4" - 16 UNF Silverado, Sierra, Tahoe, Yukon, Suburban Avalanche, Escalade EXT,ESV 1999 - Up OE #(GM)29541729</p>
 <p># 4226 3/8" tube x 11/16" - 20 UNF - 2A Thread</p>	 <p># 4227 5/16" tube x 5/8" - 20 UNF - 2A Thread</p>	 <p># 4232 3/8" Invert flare female transmission oil cooler line quick connector w/ ext o-ring seal. 14mm x 1.5 - 1994 - Up OE #(GM)29541729 & 24225126</p>
 <p># 4233 3/8" tube x 18mm UNF 2A aluminum transmission quick connector 1993 - 2003 OE #(GM) 8684086</p>	 <p># 4234 3/8" Invert flare female transmission oil cooler line quick connector 1/4 NPS OE #(GM) 8685767</p>	 <p># 4239 3/8" GM Invert flare female transmission oil cooler line quick connector w/ ext o-ring seal 1/4NPS - 1994 - Up</p>
 <p># 4240 5/8" tube x 1/2" NPTF GM Duramax diesel trucks 2000 - Up OE #(GM) 15738179</p>	 <p># 4241 3/8" Tube, 3/8" - 18 NPS with Ball Check Buick, Chevy, Oldsmobile, & Pontiac 97-05 OE # 24213958</p>	 <p># 4245 3/8" Tube, 1/8" - 27 NPTF Chrysler, Dodge Jeep 2001 - 2013 OE # (Chrysler) 04800267AA & 04800364AA</p>
 <p># 4255 3/8" Tube, 9/16"-18 UNF - 2A w/ extended dog point, Buick, Cadillac, Oldsmobile, Pontiac 2001 - 2011 - OE # (GM) 24225125</p>	 <p># 4256 3/8" Tube, 9/16"-18 UNF - 2A, Mercedes, Buick, Cadillac, GM, GMC, Oldsmobile, Pontiac 1998 - 2013 OE # (GM) 15226661</p>	 <p># 4249 3/8" Tube, 1/4"-18 NPS, Cadillac, Chevy Truck, GMC, Pontiac 1996 - 2008 OE# (GM) 24233367</p>
 <p># 4262 3/8" Tube, 1/2"-14 NPT Chrysler, Dodge, Jeep 2005 - 2013 OE# 52119547AA</p>	 <p># 4263 3/8" Tube, 9/16" - 18 UNF 2A Buick, Chevy, Oldsmobile, Pontiac 1997 - 2008 OE# (GM)24236555, 24231876</p>	 <p># 4264 3/8" Tube, 9/16" - 18 UNF, w/ Grease & Plug Buick, Cadillac, Chevy, GMC, Oldsmobile 2008 - 2011 OE # 24236579</p>
 <p># 4265 3/8" Tube, 9/16" - 18 UNF 2A Buick, Chevy, Pontiac, Saturn, 2008 - 2010 OE # 24236581</p>	 <p># 4266 3/8" Tube, 9/16" - 18 UNF 2A Buick, Chevy, Oldsmobile, Pontiac OE# 24236554</p>	 <p>4216 3/8" Disconnect tool (Blue) 4217 1/2" Disconnect tool (Red) 4218 5/8" Disconnect Tool (Yellow) 4219 3/4" Disconnect Tool (Orange)</p>

GM Heater Hose Connectors

GM Coolant Line Quick Connectors

Universal Transmission Fitting

Part #	Description
4202	5/8" Heater hose connector GM - 3.1, 3.4, 5.7 1990 - Up 6.2 Corvette
4203	3/4" Heater hose connector GM Astro and Safari 1990 - Up

Part #	Description
4204	5/8" Coolant quick connector <i>Ford & Mazda truck 1990 - Up</i>
4201	5/8" Coolant 90° quick connector
4205	3/4" Coolant quick connector
4215	3/4" Coolant 90° quick connector

Part #	Description
3418	5/16" female to 3/8" male invert fl
3419	3/8" female to 5/16" male invert fl

Transmission Repair Lines

Replacement Retainer Clips

Part #	Size	Fittings	Description
P566GM	5/16" x 66"	3006 - 3489	5/16" Invert (M) to 5/16" Invert (F)
P560C	5/16" x 60"	3489 - 3489	5/16" Invert (F) to 5/16" Invert (F)
P560F	5/16" x 60"	-	Ridge bead both ends
PVF1072RB	10mm x 72"	-	Ridge bead both ends
PVF1272RB	12mm x 72"	-	Ridge bead both ends
K560	5/16" x 60"	3006 - 3006	Invert fl. Transmission repair line
K660	3/8" x 60"	3015 - 3015	Invert fl. Transmission repair line

For Complete listing of this style of transmission repair lines refer to page 2

Part #	Size & Fitting
4246	3/8" (4208, 4209, 4210, 4233)
4247	1/2" (4207, 4220)
4248	5/8"

Transmission Repair Lines





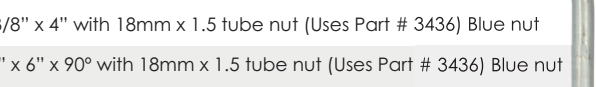
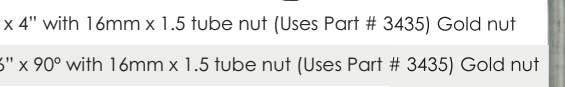


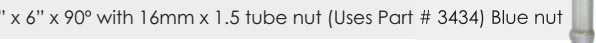
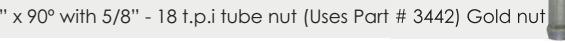



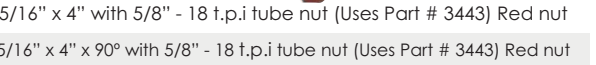
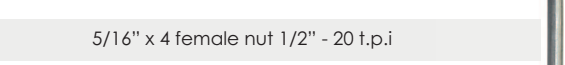



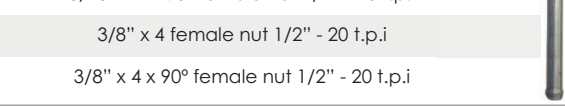
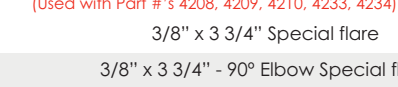


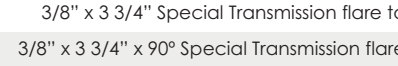



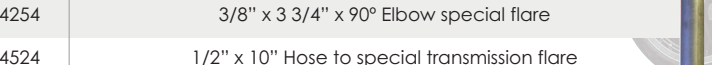
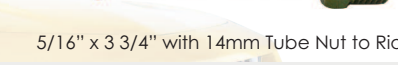
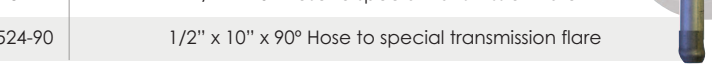
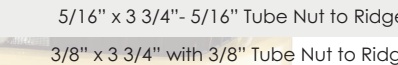







Part #	Description
PVF10-72	10mm line x 78" No End Forms or Fittings
PVF12-72	12mm line x 78" No End Forms or Fittings
CN860NF	1/2" line x 60" No End Forms or Fittings

Power Steering & Transmission Repair Lines

High Pressure Compression Union (5000 psi).
Attaching hardware included where shown

Part #	Description	Part #	Description	Part #	Description
4501R	3/8" x 4" with 18mm x 1.5 (3436 tube nut blue)	4503R	3/8" x 4" with 16mm x 1.5 (3435 tube nut gold)	4511R	3/8" x 4" Ridge bead
4502R	3/8" x 4" with 16mm x 1.5 (3434 tube nut blue)	4504R	3/8" x 4" with 5/8" - 18 (3442 tube nut gold)	4512R	5/16" x 4" Ridge bead
4505R	5/16" x 4" with 5/8"-18mm (3443 tube nut red)	4506R	5/16" x 4" with 14mm x 1.5 (3009 tube nut Olive)	4513R	5/16" x 4" with 1/2"- 20 Fem Nut
4507R	3/8" x 4" with GM Transmission Ridge bead	4509R	3/8" x 4" x 90° with GM Transmission Ridge Bead	4515R	3/8" x 4"- 5/8"- 18 Invert flare
				4516R	5/16" x 4" - 1/2"-20 Invert flare

Steel Transmission Repair Lines

		3182	3/8" x 4" with 18mm x 1.5 tube nut (Uses Part # 3436) Blue nut			3184	3/8" x 4" with 16mm x 1.5 tube nut (Uses Part # 3435) Gold nut
		3182-90	3/8" x 6" x 90° with 18mm x 1.5 tube nut (Uses Part # 3436) Blue nut			3184-90	3/8" x 6" x 90° with 16mm x 1.5 tube nut (Uses Part # 3435) Gold nut
		3183	3/8" x 4" with 16mm x 1.5 tube nut (Uses Part # 3434) Blue nut			3185	3/8" x 3 3/4" with 5/8" - 18 t.p.i tube nut (Uses Part # 3442) Gold nut
		3183-90	3/8" x 6" x 90° with 16mm x 1.5 tube nut (Uses Part # 3434) Blue nut			3185-90	3/8" x 6" x 90° with 5/8" - 18 t.p.i tube nut (Uses Part # 3442) Gold nut
		3186	5/16" x 4" with 5/8" - 18 t.p.i tube nut (Uses Part # 3443) Red nut			3489K	5/16" x 4 female nut 1/2" - 20 t.p.i
		3186-90	5/16" x 4" x 90° with 5/8" - 18 t.p.i tube nut (Uses Part # 3443) Red nut			3489K-90	5/16" x 4 x 90° female nut 1/2" - 20 t.p.i
		P672TF	3/8" x 72" GM Transmission Line With Special Flare			3490K	3/8" x 4 female nut 1/2" - 20 t.p.i
		4253	3/8" x 3 3/4" Special flare <i>(Used with Part #'s 4208, 4209, 4210, 4233, 4234)</i>			3490K-90	3/8" x 4 x 90° female nut 1/2" - 20 t.p.i
		4254	3/8" x 3 3/4" - 90° Elbow Special flare			4257	3/8" x 3 3/4" Special Transmission flare to swage
		3187	5/16" x 4" with 14mm x 1.5 tube nut (Uses Part # 3009) Green nut			4258	3/8" x 3 3/4" x 90° Special Transmission flare to swage
		4254	3/8" x 3 3/4" x 90° Elbow special flare			4520	5/16" x 3 3/4" with 14mm Tube Nut to Ridge Bead
		4524	1/2" x 10" Hose to special transmission flare			4521	5/16" x 3 3/4" - 5/16" Tube Nut to Ridge Bead
		4524-90	1/2" x 10" x 90° Hose to special transmission flare			4518	3/8" x 3 3/4" with 3/8" Tube Nut to Ridge Bead
		3189	3/8" x 3 3/4" male end for quick connector			CN860NF	1/2" x 60" No End forms Transmission repair line for diesel pickups
		CN860	1/2" x 60" - Cupro Nickel line w/ 1/2" - 3/4" - 18 Nut (3016)			4522	5/16" x 90° - 1/2"-20 O-ring flare
						4523	5/16" x 90° - 14mm x 1.5 O-ring flare



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Pop	Part No.	SPI	Application	Year	Pop	Part No.	SPI	Application	Year
1	GM079	-	Silverado 1500, 2500	99-04	16	F074	FN728	F-250-350-450 PU 8 FT Box - Super Duty	99-05
2	F031	-	Ford Mustang	99-04	17	JP001	FN851	Jeep Grand Cherokee	93-98
3	GM023	FN674	S-10 Pick Up	97-02	18	GM003	FN525	C/K Pickup 2500,3500	97-00
4	F004	FN551	Ford Ranger	98-00	19	F071	-	F-250, 350 PU Short Box - Super Duty	99-05
5	F025	FN633	Ford Explorer	97-01	20	D011	FN532	Chrysler Town & Country	01-02
6	D018	FN573	Dakota - reg cab & ext cab - 22 gal tank	03-04	21	F028	FN539	F-150-250 -New Body style P/U 3/4" Vent	97-98
7	GM018	FN613	Chevy Lumina	97-99	22	F069	-	Ford Expedition	97-98
8	SU001	-	Subaru Impreza	93-97	23	GM002B	FN631	Buick LeSabre	97-99
9	SU002	FN664	Subaru Legacy	97	24	GM031	FN717	Oldsmobile Intrigue	98-02
10	D014	FN665	Chrysler Concords	98-04	25	GM120	-	S-10 Blazer 4 door	01-04
11	F016	-	Ford Crown Vic	98-04	26	D008	FN514	Chrysler town & Country	96-00
12	T013	-	Toyota Camry	97-98	27	D044	FN828	Chrysler Sebring	99-00
13	GM093	FN688	Buick Century	98-01	28	T005	FN509	Toyota Corolla	93-97
14	F012	FN591	Ford Taurus	98-05	29	GM088	FN567	Pontiac Grand AM	99-05
15	F015	-	Ford Crown Vic	96-97	30	GM086	FN700	S-10 Blazer Upper & Lower Neck	99-00

Applications shown may not include all options for specific part number and may vary by model.

FUEL FILLER NECKS

Fuel Filler Neck Hose



36" In Length



Part No.	Description
6498	1 1/2" Fuel Filler Neck Hose
6497	1 3/4" Fuel Filler Neck Hose
6496	1 7/8" Fuel Filler Neck Hose
6499	2" Fuel Filler Neck Hose
6495	2 1/4" Fuel Filler Neck Hose
6494	2 1/2" Fuel Filler Neck Hose

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 Meets or exceeds OEM Specification



Chevy/GMC Diesel Fuel Filters

Part No.	Original Equipment #	Application	Micron Count
FF1220	AC Delco: TP1298B	GMC 6.6L Diesel 2001 - 2006 (Canister only)	6 micron
TP3012	AC Delco: TP3012	GMC 6.6L Diesel 2011 - 2013	4 micron
TP3013	AC Delco: TP1537	GMC 6.6L Diesel 2001 - 2013	4 Micron
FF943	GMC: 10154635	GMC 6.5L Diesel 1992 - 2002	6 Micron
FF1102D	AC Delco: TP1263	GMC 6.5L Diesel 1997 - 2002	6 Micron
FF862	GMC: 13240032	Chevy 5.2L Diesel 2004 - 2007	6 Micron
TP999	GM 22937279	Chevy 2.0L Cruze Diesel 2014	4 Micron

Chrysler / Dodge Diesel Fuel Filters

Part No.	Original Equipment #	Application	Micron Count
FF1160	Chrysler : 5015581AA	Dodge 5.9L Diesel 2000 - 2006	6 Micron
68065608AA	Chrysler : 68065608AA	Dodge 6.7L Diesel 2010 - 2013	4 Micron
05183410AA	Chrysler : 05183410AA	Dodge 6.7L Diesel 2008 - 2009	6 Micron
FF1177	Chrysler : 68061634AA	Dodge 6.7L Diesel 2009 - 2010	6 Micron
FF1170	Chrysler: 05170896AB	Dodge Sprinter Diesel 2004 - 2011	6 Micron
04726067AA	Chrysler: 04726067AA	Dodge Ram 1500 3.0L - 2014 RAM Promaster Cargo Van 3.0L V6 - 2014 Jeep Grand Cherokee 3.0L V6 - 2014 Chrysler 300 Sedan Diesel 3.0L V6 - 2014	4 Micron
FF1126	Chrysler: 4883963AC	Dodge 5.9L Diesel 1997 - 1999	6 Micron

Ford Diesel Fuel Filters

Part No.	Original Equipment #	Application	Micron Count
FD4616	Motorcraft: FD4616	Ford 6.0L Diesel 2003 - 2007	6 Micron
FD4617	Motorcraft: FD4617	Ford 6.4L Diesel 2008 - 2010	6 Micron
FD4615	Motorcraft: FD4615	Ford 6.7L Diesel 2011 - 2013	4 Micron
FF1094	Motorcraft: FD4596	Ford 7.3L Diesel 1999 - 2003	6 Micron
FF1114	Motorcraft: FD4596 w/ Lid	Ford 7.3L Diesel 1999 - 2003	6 Micron
FF1158	Motorcraft: FD4606	Ford 6.0L Diesel 2004 - 2010	6 Micron
FF1104	Motorcraft: FD4595	Ford 7.3L Diesel 1994 - 2000	6 Micron
FF1039	Motorcraft: FD3375	Ford 7.3L Diesel 1988 - 1994	6 Micron
FF1143	Motorcraft: FD4697 / FD4608	Ford 7.2L Diesel 2000 - 2008	6 Micron

Audi / Volkswagen Diesel Fuel Filters

Part No.	Original Equipment #	Application	Micron Count
FF1131	VW: 1J0127401A	VW Jetta 1.9L Diesel 1998 - 2006	6 Micron
FF1195	VW: 1K0127434B	VW Jetta 2.0L Diesel 2009 - 2013 VW Jetta 1.9L Diesel 2005 Audi A3 2.0L Diesel 2010 - 2011 VW Beetle 2.0L Diesel 2012 - 2013 VW Golf 2.0L Diesel 2010 - 2013	6 Micron
FF1200	VW: 1K0127434B	VW Beetle 2.0L Turbo Diesel 2012 - 2013 VW Golf 2.0L Turbo Diesel 2013 VW Jetta 2.0L Turbo Diesel 2010 - 2013 VW Jetta 1.9L Turbo Diesel 2005 - 2006	6 Micron

Power Steering & Transmission Tube Nuts



Part #	Tube Size	Thread Diameter	Thread Pitch
3462	1/4"	9/16"	18 t.p.i (Silver)
3489	5/16"	1/2"	20 t.p.i
3443	5/16"	5/8"	18 t.p.i (Red)
3442	3/8"	5/8"	18 t.p.i (Gold)
3434	3/8"	16mm	1.5 (Blue)
3435	3/8"	16mm	1.5 (Gold)
3464	3/8"	16mm	1.5 (Black)
3436	3/8"	18mm	1.5 (Blue)
3438	3/8"	18mm	1.5 (Gold)

High Pressure Unions

Part #	Tube Size	
3451	3/16"	• 5000 PSI burst pressure
3452	1/4"	• 1200 PSI working pressure
3453	5/16"	• Compatible with all metal tubes.
3454	3/8"	
3459	10mm	
3460	12mm	
3461	3/8" to 10mm	

**High Pressure Compression Union
5,000 psi**

Power Steering Rack Repair Lines

Easy Bend • Easy Flare

Repair lines are made from Cupro Nickel and are guaranteed for life



Part #	Description
4537	1/4" x 30" O-ring flare
4531	5/16" x 30" Invert flare
4532	5/16" x 30" O-ring flare
4533	3/8" x 30" Invert flare
4534	3/8" x 30" O-ring flare

Power Steering Rack Repair Asst. 0128
40 pcs (Includes Lines and Fittings)

Replacement O-Rings

Part #	Tube Size
2803	1/4"
2881	5/16"
2880	3/8"



Power Steering Transmission adapters



Part #	Female (Invert Fl)	Male
3466	3/8" Tube (5/8 Thread)	16mm x 1.5 GM
3467	3/8" Tube (5/8 Thread)	14mm x 1.5 GM
3468	3/8" Tube (5/8 Thread)	18mm x 1.5 GM
3469	3/8" Tube (5/8 Thread)	11/16" x 18 Ford
4624	3/8" Tube (5/8 Thread)	5/8" - 18 Bubble

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 Chrysler, Ford, GM, Honda, Mazda, Toyota, Volkswagen 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



Cutting Tips & Silencer Bands

Brake Lathe Cutting Tips



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



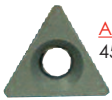
060-10S
PRO-CUT models 610 on car lathe
VBC models 600 & 610 on car lathe



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, R.J 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

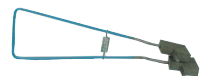
96
 Rotor silencer band 6 1/2" diameter Black
 Neoprene Excellent resistance to oil and
 chemicals. Solid Rotors



80B
 Drum silencer band with long life attaching
 Hardware Natural rubber beige.
 All drums



70B
 Rotor Silencer chip deflector. All rotors



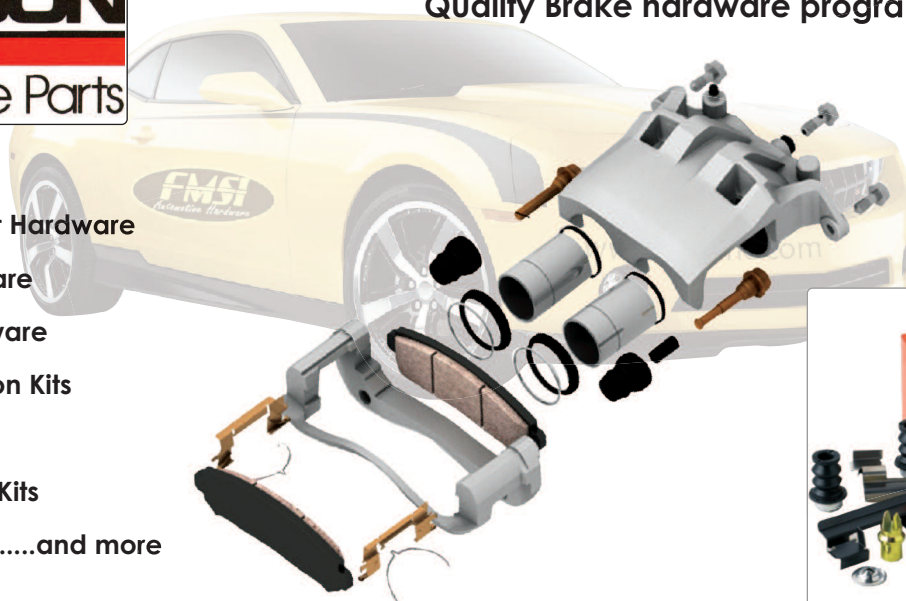
Carlson Quality Brake Hardware

Call for Catalogue



FMSI Automotive Hardware & Carlson have
 teamed up to bring you a complete
 Quality Brake hardware program.

- Domestic & Import Hardware
- Disc Brake Hardware
- Drum Brake Hardware
- Disc Pad Installation Kits
- Parking Brake Kits
- Caliper Hydraulic Kits
- Brake Line Fittings.....and more





Part No.	Diameter / Type	Hex size	Overall Length	Finish
3800	7/16" - 20 Standard	3/4"	14mm	Zi
3801	M12 x 1.25 Standard	21mm	16.25mm	Zi
3802	1/2" x 20 Standard	13/16"	15.7mm	Zi
3803	1/2" x 20 Standard	3/4"	14mm	Zi
3804	M12 x 1.5 Standard	21mm	14mm	Zi
3805	M12 x 1.5 Acorn	19mm / 3/4"	31.75mm	Ch
3806	M14 x 1.5 Acorn	19mm / 3/4"	31mm	Ch
3807	1/2" x 20 Acorn	19mm / 3/4"	31mm	Ch
3808	7/16" x 20 Acorn	3/4"	34.7mm	Ch
3827	M12 x 1.25 Acorn	19mm / 3/4"	31mm	Ch
3828	M12 x 1.5 Acorn	21mm	33mm	Ch
3841	M10 x 1.25 Acorn	17mm	21mm	Ch
3842	M10 x 1.25 Acorn	19mm	35.25mm	Ch
3843	M14 x 1.5 Bulge	22mm	21mm	Zi
3844	M12 x 1.5 Bulge	19mm	23mm	Zi
3845	M12 x 1.5 Dometop Capped	19mm	37mm	S/S
3846	M12 x 1.5 External Thread	19mm / 3/4"	28mm	Zi
3847	M12 x 1.5 Wirewheel	19mm	44mm	S/S
3848	M12 x 1.5 Standard	21mm	18mm	Zi
3849	M12 x 1.5 Acorn Flanged	19mm	35mm	Ch
3850	M12 x 1.25 Acorn	21mm	29mm	Ch
3851	9/16" -18 Dometop Bulge	24mm	1 - 1/2"	Ch
3852	1/2"-20 Dometop Bulge	3/4"	1 - 39/64"	S/S
3853	M12 x 1.5 External Thread	19mm	34mm	Zi
3854	M14 x 1.5 External Thread	22mm	26mm	Zi
3855	M14 x 1.5 External Thread	22mm	30mm	Zi
3856	M14 x 2.0 Flanged Flat	21mm	23mm	Bl
3857	M14 x 2.0 Dometop Capped	20mm	50mm	S/S
3858	M12 x 1.25 Acorn	21mm	29mm	Ch
3859	1/2" - 20 Wirewheel	3/4"	1 - 1/4"	Zi
3860	1/2" - 20 Bulge	13/16"	59/64"	Zi
3861	M12 x 1.5 Flanged Flat	21mm	37mm	Ch
3862	M12 x 1.75 Flanged Flat	19mm	23mm	Bl
3863	1/2" - 20 Acorn	13/16"	1 - 3/8"	Ch
3864	M14 x 2.0 Wire Wheel	21mm	31mm	S/S
3865	M24 x 2.0 Grey Cap	19mm	33mm	G
3866	M24 x 2.0 Black Cap	19mm	40mm	Bl
3867	M24 x 2.0 Black Cap	19mm	33mm	Bl
4683	M12 x 1.5 External Thread	19mm / 3/4"	31.25mm	Zi
5120C	M12 x 1.5 Black Cap	3/4"	30mm	Bl



Finishes:
 Bl - Black
 Ch - Chrome
 G - Grey
 S/S - Stainless
 Zi - Zinc
 Std - Standard

0134 - Wheel Nut Assortment
 100 pcs - 6 Sizes

0163 - Master Wheel Nut Floor
 Stand Assortment 376 pcs

WHEEL LUG NUTS & CAPS



Original Equipment Repair Door Pins & Bushings

Call for Application guide

Only Top 8 Door pin kits shown - Contact us for your application guide and product listings

New door pin, bushing kit, & speciality tool program with application guides available in 2014

• Buick • Cadillac • Chevrolet • Chrysler • Ford • Toyota • Trucks

BETTER QUALITY DOOR PINS... BETTER QUALITY REPAIR KNOW THE DIFFERENCE BEFORE YOU BUY!

Over 75 Kits
& 100's Of
Applications

99CPUSSDL

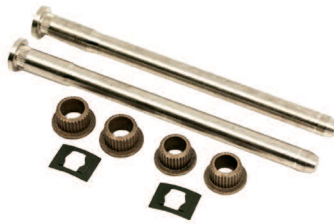
GM Deluxe Door Hinge Bracket & Pin Repair Kit 99-06 C/K Series Trucks, 00-06 GM C/K Series SUV's, 07 C/K Series Classic



Drivers Door

7022

Front Door Hinge Kit (C/K Series Trucks & SUV's '88-02) Repairs Upper & Lower Hinges



7020

Door Hinge Kit (Buick Electra '81-90, Estate Wagon '80-90, LeSabre '80-85, Regal '78-87, Riviera '79-85, Chevrolet Camaro '70-81, El Camino '78-87, Monte Carlo '78-87, Oldsmobile Cutlass Supreme '78-87, Pontiac Grand Prix '78-87) Kit Services One Door



7036

Front Door Hinge Kit (Buick Century '97-05, Regal '97-04, Chevrolet Monte Carlo '00-07, Oldsmobile Intrigue '98-02, Pontiac Grand Prix '97-03) Repairs Upper & Lower Hinges



Upper & Lower Hinges

7042

Front Door Hinge Repair Kit (Buick Enclave '08-12, Cadillac Escalade '07-13, Chevrolet Silverado '07-13, Suburban '07-13, Tahoe '08-13, Traverse '09-12, GMC, Acadia '07-12, Sierra '07-13, Yukon '07-13, Saturn Outlook '07-10)



Complete Door

99CPU

'96-2006 Chevy Silverado, GMC Sierra, Suburban, Yukon



Complete Door kit - 99CPU4

6354

'96-2012 General Motors Savana & Express Vans Side Cargo Doors

WITH GREASE FITTING



(Left or Right Side)

6355

'96-2012 General Motors Savana & Express Vans Side Cargo Door

WITH GREASE FITTING

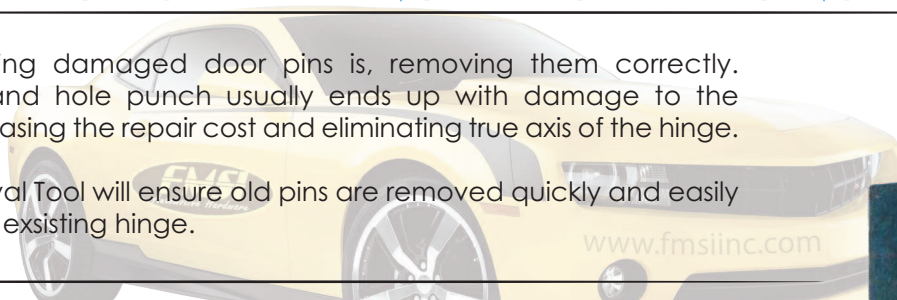


(Left or Right Side)

STOP WRECKING HINGES

The key to removing damaged door pins is, removing them correctly. Using a hammer and hole punch usually ends up with damage to the existing hinge increasing the repair cost and eliminating true axis of the hinge.

Using our Pin Removal Tool will ensure old pins are removed quickly and easily with no damage to existing hinge.



7080

Hinge Pin Removal Tool - Required to remove pins on 99-07 GM CK Series Trucks & SUV's, 02-08 Trailblazer, Envoy & Bravada,



7081

Hinge Pin Removal Tool Designed to fit Ford applications,



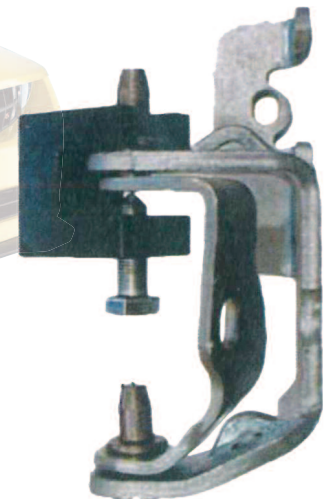
7082

Hinge Pin Removal Tool - Specially designed for Camaro's and Firebird's with large headed hinge pins.



7083

Hinge Bushing installing plate



DOOR PIN KITS & HARDWARE

For Application guide contact: 1-800-651-7445 or Email us at info@fmsiinc.com

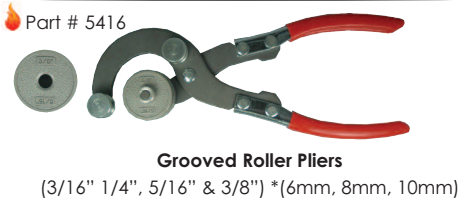
Tube Benders & Straightener



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



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



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



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



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

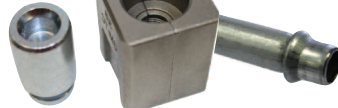


Part # 5410 Used with Part # 5407 & 5408

GM Transmission Flare



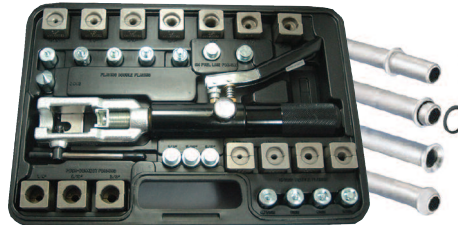
Part #71099-TC



Not included with 71475 (Shown Below)

Hydraulic Flaring Tool

Part # 71475



71475 Replacement Pieces

Tooling

Part #	Description
71201	Hydra-Flare Yoke & Pump Assembly
71097-01	45° Flaring Cone

Push-Connect Adapters

Part #	Description
71204	1/4" Adapter
71205	5/16" Adapter
71206	3/8" Adapter

Push-Connect Die Sets

Part #	Description
71214	1/4" Die Set
71215	5/16" Die Set
71216	3/8" Die Set

GM Fuel Line Adapters

Part #	Description
71405	5/16" Adapter
71406	3/8" Adapter

GM Fuel Line Die Sets

Part #	Description
71415	5/16" Die Set
71416	3/8" Die Set

45° & Double Flaring Adapters

Part #	Description
71097-03	3/16" Adapter
71097-04	1/4" Adapter
71097-05	5/16" Adapter
71097-06	3/8" Adapter
71097-08	1/2" Adapter

45° & Double Flaring Die Sets

Part #	Description
71097-13	3/16" Die Set
71097-14	1/4" Die Set
71097-15	5/16" Die Set
71097-16	3/8" Die Set
71097-18	1/2" Die Set

Metric Bubble Flaring Adapters

Part #	Description
71475-4M	4.75mm Adapter
71475-6M	6mm Adapter
71475-8M	8mm Adapter
71472-10M	10mm Adapter

Metric Bubble Flaring Die Set

Part #	Description
71475-14M	4.75mm Die Set
71475-16M	6mm Die Set
71475-18M	8mm Die Set
71472-110M	10mm Die Set

Flaring Tools

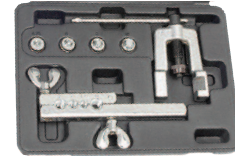
Part # 5403 **Hardened, Double (Standard) Manual Flaring Tool**



Replacement Anvils *(5403)



Part # 5405 **Hardened, Double (Metric) Manual Flaring Tool**



Replacement Anvils *(5405)



Fuel, Transmission & A/C Disconnect Tools

Part # 3113 **GM Fuel line Quick Connector release tool**



Part # 3115 **NEW PRODUCT**
3/8" Fuel line Quick Connector Release tool



Part # 4802 **Fuel & Transmission Disconnect Kit**

Red - 5/16"

Blue
Oil Cooler disconnect

Yellow - 3/8"

Black - 1/4"

Part # 71200



Included with 71475

Part # 71201RK
Repairs 71475 Flaring tool

Part # 71500RK
Repairs: 71500 Crimping tool



Ford A/C Spring Lok Disconnect

Part # 4801

Red - 3/8" Blue - 1/2" Black - 5/8" Cream - 3/4"



Fuel & A/C Disconnect Tool

Part # 4803

Set Included 6 Sizes:

1/4", 5/16", 3/8", 1/2"
5/8", 3/4" & 7/8"



PermaTube Repair Kit

Part # 65605



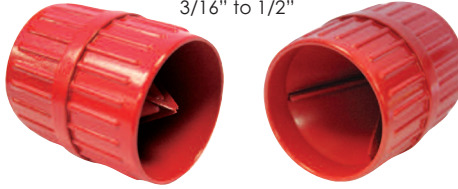
Broken to fixed in 5 Minutes

Inner-Outer Reamer

Part # 70085



3/16" to 1/2"



Compressor Turning Tool

Part # 67700

Allows for manual rotation of new compressors



PermaTube Refills

Part # 65608



5 Pack

360° Seal Clamp Pincers

Part # 5414



Ratcheting Tube Joiner

Part # 5131



Jaws Not included (5289)

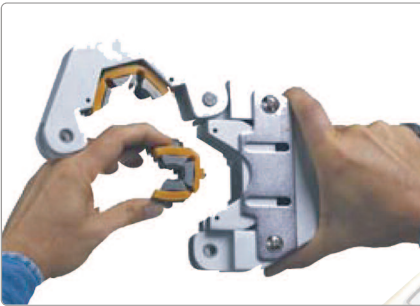
Jaw Sets for Tube Joiner



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

Hydraulic Crimping Tool

Part # 71500



71500 Replacement Pieces

Part No.	Description
71500	Hydraulic Crimping Tool
71500-6	Die Set - # 6 (5/16") Die Set - # 8 (13/32") - <i>Reduced Barrier</i>
71500-8	Die Set - # 8 (13/32")
71500-10	Die Set - # 10 (1/2")
71500-12	Die Set - # 12 (5/8")
71500-6SRB	Die Set - # 6 (5/16") - <i>Reduced Barrier</i>
71500-10SRB	Die Set - # 10 (1/2") - <i>Reduced Barrier</i>
71500-12SRB	Die Set - # 12 (5/8") - <i>Reduced Barrier</i>

Last Chance Items

AR6226 - Start-Up Flush Machine
16 Available

\$495



1gal Flush Included

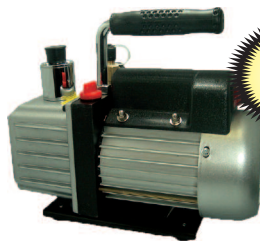
2992 - Front Jaw Pincers
22 Available

\$20



5101 - Vacuum Pump
3 Available

\$105



AR8204 - A/C Manual Hose Crimper
4 Available

\$179



HCFP - Universal Cabin Air Filter
Trim to fit - Fits most makes & Models
16 Available

\$15



Charcoal Embedded Filter

All products listed above will be discontinued once inventory has been depleted.
Prices Shown are Repair Shop Net (NO DIRECT SALES)

Smart Splice™ Air Conditioning Line Repair & Rear Line Solutions



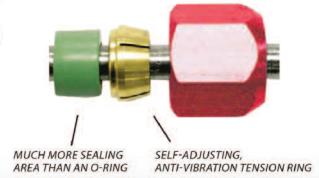
SMART SPLICE™ 5-MINUTE FIX: NO LINE REMOVAL

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

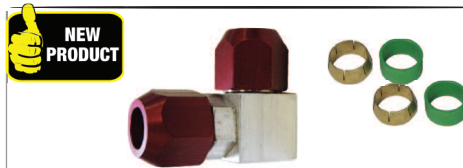


Straight Line Splices (Standard & Metric)



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

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"

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

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

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"

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

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)

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)

High Side Inline Filters (Standard & Metric)

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

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.

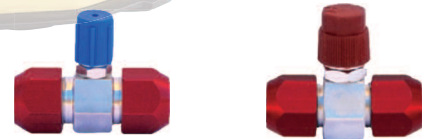
Part No.	Description
5605	5/16" tube to Hose Line Set (12') (RB516 hose)
5606	3/8" tube to Hose Line Set (12') (RB516 hose)
5607	1/2" tube to Hose Line Set (12') (RB1332 hose)
5608	5/8" tube to Hose Line Set (12') (RB12 hose)
5609	3/4" tube to Hose Line Set (12') (RB58 hose)

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)

High & Low Side Service Port Fittings



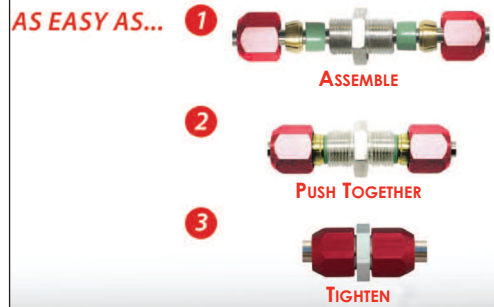
Part No.	Description
76201	Line Splice Low Side Service "T" for 1/2" OD line
76202	Line Splice Low Side Service "T" for 3/8" OD line
76204	Line Splice Low Side Service "T" for 5/8" OD line
Part No.	Description
76212	Line Splice High Side Service "T" for 5/16" OD line
76213	Line Splice High Side Service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

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.



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

Part # 0117M



Part # 0132



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 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 # 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
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 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

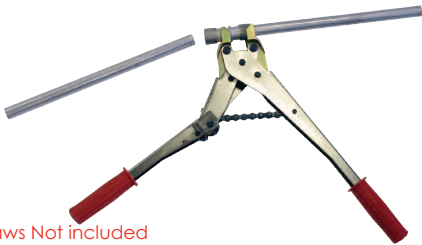
LOKRING Air Conditioning Line Repair & Rear Line Solutions

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



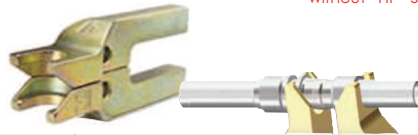
- For universal use, independent of vehicle type and model year.
- No waiting for expensive OE parts.
- No welding, soldering or threading necessary
- In many cases, the faulty line may not even need to be removed.
- OEM trusted for over 30 years.

Tool & Accessories



Jaws Not included

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



Sold individually without "HP" Suffix

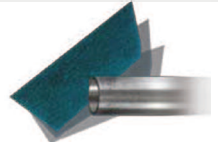
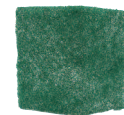
5142HP	5/16" (8mm) Tubing joiner jaw
5132HP	3/8" (10mm) Tubing joiner jaw
5133HP	1/2" (12mm) Tubing joiner jaw
5134HP	5/16" (14mm - 16mm) Tubing joiner jaw
5135HP	3/4" (19mm) Tubing joiner jaw



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



5141 | Aluminum tubing scuff pad

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)

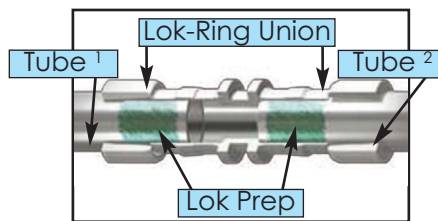
Part No.	Description
5259	10mm
5260	12mm
5261	14mm
5262	15mm
5263	18mm

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)



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

NEW PRODUCT
*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° Elbow Unions (Metric)

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

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"

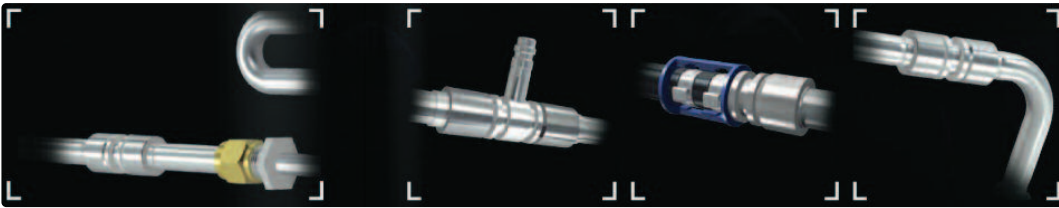


Steel Tube to Hose

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

One System - Endless Possibilities



Repair Options:

- Straight tube and elbows
- Rear line block off / Termination
- Hose to tube connections
- Pressure switch connections
- Spring-lok connections
- Threaded connections
- Hoses & More...

Orifice Tube Repair Fittings

1/2" GM Orifice Tube Repair

Part # 5256

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



1/2" Ford Spring Lock Orifice Tube Repair

Part # 5269

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



1/2" GM, Ford Orifice Tube Repair

Part # 5270

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



GM Orifice & Lower Condenser Tube Repair

Part # 5359

1988 -1998 GM-C, K, Tahoe & Suburban w/ M20 X1.5 tube nut fitting.



GM Truck Upper Condenser Repair

Part # 5385

1988 -1998 GM-C, K, Tahoe & Suburban w/ M 20 x 1.5 tube nut fitting.



Female Spring Lok Fittings

Part No.	Description
5450	3/8"
5454	1/2"
5458	5/8"
5466	3/4"
5462	5/8"



Male Spring Lok Fittings

Part No.	Description
5451	3/8"
5455	1/2"
5459	5/8"
5467	3/4"
5463	5/8"



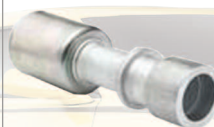
Hose Lok Fitting (Standard Barrier Hose)

Part No.	Description
5471	5/16" Tube to # 6 Hose
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



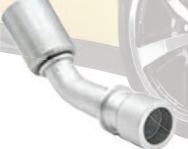
Metric Hose Lok Fitting (Standard Barrier Hose)

Part No.	Description
5474	10m Tube to # 6 Hose
5356	12m Tube to # 8 Hose
5476	14m Tube to # 10 Hose
5475	15m Tube to # 10 Hose



45° Hose Lok Fitting (Standard Barrier Hose)

Part No.	Description
5370	3/8" Tube to # 6 Hose
5371	1/2" Tube to # 8 Hose
5372	5/8" Tube to # 10 Hose
5373	3/4" Tube to # 12 Hose



90° Hose Lok Fitting (Standard Barrier Hose)

Part No.	Description
5360	3/8" Tube to # 6 Hose
5361	1/2" Tube to # 8 Hose
5362	5/8" Tube to # 10 Hose
5363	3/4" Tube to # 12 Hose



90° Female Spring Fittings

Part No.	Description
5452	3/8"
5456	1/2"
5460	5/8"
5468	3/4"
5464	5/8"



90° Male Spring Fittings

Part No.	Description
5453	3/8"
5457	1/2"
5461	5/8"
5469	3/4"
5465	5/8"



Hose Lok Fitting (Reduced Barrier Hose)

Part No.	Description
5470	5/16" Tube to # 6 Hose
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



Metric Hose Lok Fitting (Reduced Barrier Hose)

Part No.	Description
5477	10m Tube to # 6 Hose
5357	12m Tube to # 8 Hose
5479	14m Tube to # 10 Hose
5478	15m Tube to # 10 Hose



45° Hose Lok Fitting (Reduced Barrier Hose)

Part No.	Description
5375	3/8" Tube to # 6 Hose
5376	1/2" Tube to # 8 Hose
5377	5/8" Tube to # 10 Hose
5378	3/4" Tube to # 12 Hose



90° Hose Lok Fitting (Reduced Barrier Hose)

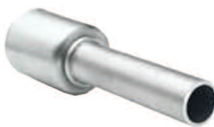
Part No.	Description
5365	3/8" Tube to # 6 Hose
5366	1/2" Tube to # 8 Hose
5367	5/8" Tube to # 10 Hose
5368	3/4" Tube to # 12 Hose



Lok-Crimp Hose to Tube Fittings

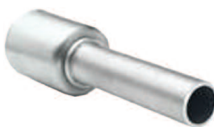
Standard Barrier Hose

Part No.	Description
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



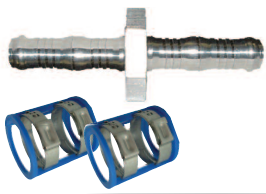
Reduced Barrier Hose

Part No.	Description
5352	3/8" Tube to # 6 Hose
5353	1/2" Tube to # 8 Hose
5354	5/8" Tube to # 10 Hose
5355	3/4" Tube to # 12 Hose

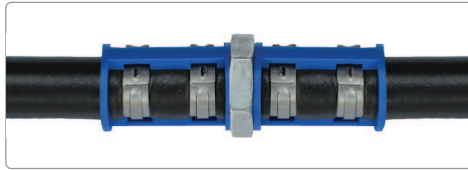


LOKRING Air Conditioning Line Repair & Rear Line Solutions

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"

36" Male Internal O-Ring to Female External O-Ring

Part No.	Description
AA0264	3/8" x 36"
AA0265	1/2" x 36"
AA0266	5/8" x 36"
AA0267	3/4" x 36"

Cut line to repair length needed.



Male External O-Ring Tube Repair End

Part No.	Description
5171	3/8"
5174	1/2"
5177	5/8"
5180	3/4"
5183	3/8" (16m x 1.5 Nut)

Repairs condensers and hose line ends.



Male Internal O-Ring Tube Repair End

Part No.	Description
5172	3/8"
5175	1/2"
5178	5/8"
5181	3/4"
5184	1/2" (20m x 1.5 Nut)
5185	3/4" (27m x 1.5 Nut)

Repairs condensers and hose line ends.



Female External O-Ring Tube Repair End

Part No.	Description
5173	3/8"
5176	1/2"
5179	5/8"
5182	3/4"
5186	3/8" (16m x 1.5 Nut)
5187	1/2" (20m x 1.5 Nut)
5188	5/8" (22m x 1.5 Nut)
5189	5/8" (24m x 1.5 Nut)
5190	3/4" (27m x 1.5 Nut)

Repairs condensers and hose line ends.



Aluminum Tubing

3003-0 ASTM - B483 OEM - .049 Wall thickness

25' Coils

Part No.	Description
5309	5/16" (8mm)
5310	3/8"
5311	1/2"
5312	5/8"
5313	3/4"
5315	12mm
5316	16mm



5' Straight Lengths

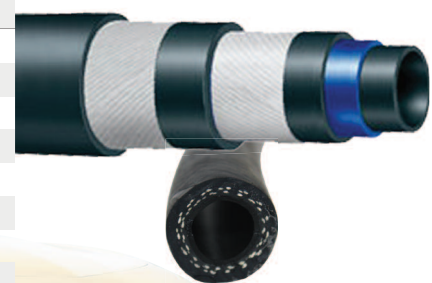
Part No.	Description
5299	5/16" (8mm)
5300	3/8"
5301	1/2"
5302	5/8"
5303	3/4"
5304	12mm
5305	16mm
5306	10mm

Standard R134a Barrier Hose

5' & 25' Foot Coils

Suitable for R134a, R12, REPLA 134, and other mobile refrigerants

Part No.	Description
AR516-25	# 6 - 5/16"
AR516-5	# 6 - 5/16"
AR1332-25	# 8 - 13/32"
AR1332-5	# 8 - 13/32"
AR12-25	# 10 - 1/2"
AR12-5	# 10 - 1/2"
AR58-25	# 12 - 5/8"
AR58-5	# 12 - 5/8"



Reduced R134a Barrier Hose

5' & 25' Foot Coils

Suitable for R134a, R12, REPLA 134, and other mobile refrigerants

Part No.	Description
RB516-25	# 6 - 5/16"
RB516-5	# 6 - 5/16"
RB516-12	# 6 - 5/16"
RB1332-25	# 8 - 13/32"
RB1332-5	# 8 - 13/32"
RB1332-12	# 8 - 13/32"
RB12-25	# 10 - 1/2"
RB12-5	# 10 - 1/2"
RB12-12	# 10 - 1/2"
RB58-25	# 12 - 5/8"
RB58-5	# 12 - 5/8"
RB58-12	# 12 - 5/8"



A/C Tubing / Hose Loom Clamps

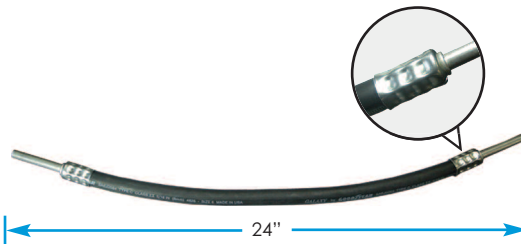
Part No.	Description
6001	1/4" Loom Clamp
6002	3/8" Loom Clamp
6003	1/2" Loom Clamp
6004	5/8" Loom Clamp
6005	3/4" Loom Clamp



Universal A/C Hose to Tube Repair Line

Standard A/C Barrier Hose

Part No.	Description
5252R	3/8" tube x # 6 hose x 24" A/C Hose to Tube Repair
5253R	1/2" tube to # 8 host x 24" A/C Hose to Tube Repair
5254R	5/8" tube to # 10 hose x 24" A/C Hose to Tube Repair
5255R	3/4" tube to # 12 hose x 24" A/C Hose to Tube Repair



Reduced A/C Barrier Hose

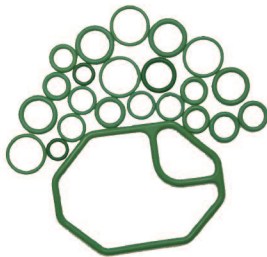
Part No.	Description
5352R	3/8" tube x # 6 hose x 24" A/C Hose to Tube Repair
5353R	1/2" tube to # 8 host x 24" A/C Hose to Tube Repair
5354R	5/8" tube to # 10 hose x 24" A/C Hose to Tube Repair
5355R	3/4" tube to # 12 hose x 24" A/C Hose to Tube Repair

Rapid Seal™ O-Ring and Gasket Kits

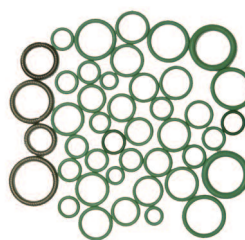
Call for Application guide



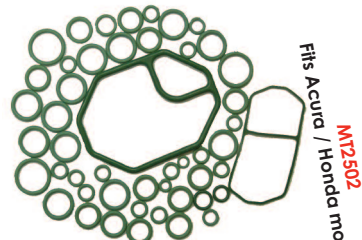
Fits General Motors models
MT2540



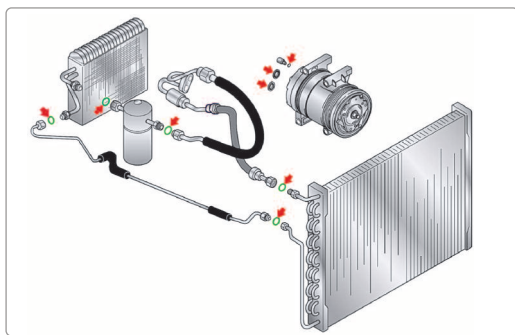
Fits Chrysler / Dodge models
MT2502



Fits Ford / Lincoln models
MT2502



Fits Acura / Honda models
MT2502



One Complete System... One Complete Seal Kit™

Vehicle specific kits, which contain all seals, o-rings and gaskets, required to repair or replace damaged and worn components within air conditioning systems.

97% Coverage for all vehicles within North America!

Master Rapid Seal Kit Assortment 0466

Compressor Sealing Washers

Part # 5107 5/8" Black	Part # 5108 5/8"Thin	Part # 5109 3/4"Thin	Part # 5110 5/8" Green	Part # 5111 5/8" Red	Part # 5112 5/8" Gold
Part # 5113 5/8" Thin	Part # MT0395-10 # 10-15mm Slim-Line	5114 (Short) 5115 (Long) Pilot Bushings	Part # 5242 8mm Slim-Line	Part # 5243 11mm Slim-Line	Part # 5244 17mm Slim-Line

R134a Refrigerant Ports

Refrigerant Valve Cores

5042 High Side	MT0067-5 High Side M10-1.25	MT0068-5 Seal Cap M10-.75	MT0106-5 Primary Black M8-1.0	MT0311-5 High Side M10-1.25	5044 Universal Standard	5045 GM High Flow	5102 High Flow JRA
5043 Low Side	MT0061-5 Low Side M8-1.0	MT0062-5 Seal Cap M8-1.0	MT0310-5 Low Side M9-1.0	MT0348-10 Low Side M8-1.0	5103 STV/POA/VIR	5104 High Flow Eaton 13mm SSV	5105 Eaton 16mm SSV

R134a Refrigerant Port Caps

Refrigerant Valve Cores Tools

5119 Chrys /Ford /High side	5116 GM High side	5117 Chrys/Ford/Merc	5122 GM High side
5121 GM Low side	5120 Chrys/Ford Low side	5124 Chrys/Ford/High side	5125 Ford High side



Tel: 1-800-651-7445

Fax: 1-905-335-1829

Email: info@fmsiinc.com

http://www.fmsiinc.com

O.D.S Control Service Logs

Part # AR4254
 O-Zone Depleting Substance Emission Control Service Logs.
 3 Part form, 25 Plastic Sleeves & Pen
Conforms to all Ontario Government O.D.S requirements

OZONE DEPLETING SUBSTANCE EMISSION CONTROL SERVICE LOG

NO REFRIGERANT TO BE ADDED UNTIL LEAK IS REPAIRED

NAME OF TECHNICIAN (PRINT) _____ CERTIFICATE NUMBER _____ EXPIRY DATE _____

DATE OF SERVICE _____ WORK ORDER OR INVOICE # _____

TEST RESULTS

LEAK (DETECTED?)	YES	NO
REPAIRS?	YES	NO

RECORD OF REFRIGERANT SERVICE
 DO NOT REMOVE THIS RECORD FROM UNIT! FMS - 000111

Registry of maintenance and decommissioning of halocarbon recovery work

Part # AR4261
 Chaque ensemble de journaux d'entretien contient 25 formulaires en 3 parties, 25 pochettes protectrices et un stylo.
Approuvé au Québec

Registre des travaux de récupération, d'entretien et de démantèlement des halocarbures
 Règlement sur les halocarbures art. 50

Climatisation de véhicule ou réfrigération de transport

Assessment of Refrigerant

Date d'évaluation de la teneur en gaz réfrigérant

Information on Refrigerant Recovery

Information on Refrigerant Recharge

Information on Refrigerant Disposal

Registre des Travaux de Récupération D'entretien et de Démantèlement des Halocarbures

Registre des Travaux de Récupération D'entretien et de Démantèlement des Halocarbures

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

Part # MT0406
 R134a Quick Coupler
 High & Low Side Kit

With Shut off

Part # MT0405
 Hose Extender
 Part # MT1456

72"

R134a Replacement Hose 1/2" Acme Fitting

Part # MT0403
 14mm x 1.5
 72"
 1/2" Acme

R134a Replacement Hose

Part # MT0404
 14mm x 1.5
 72"
 1/2" Acme

R134a Replacement Hose

High & Low Side
 Hose Extender
 Part # MT1417

Part # AR4233
 Professional installation hose with
 can tap coupler (all brass fittings)

Part # AR4252

MT2151
 R134a Repair Kit - Used For 0220

MT2173
 R134a Charging Hose Replacement Gaskets & O-Rings

Recycle Guard A/C Sealant Separator

Part # 72101

INEXPENSIVE INSURANCE AGAINST REVENUE KILLING EQUIPMENT DOWNTIME

RECYCLE GUARD™ offers the only add-on filter that protects A/C service equipment from debris, sealant and other contaminants.

- Removes sealants and stop leaks from entering recovery machine.
- Efficient flow for faster refrigerant recovery.
- Reduce or eliminate risk of machine failure.

Product Capabilities	Recycle Guard	In-line or Built-in filter
Traps Liquid Sealant (Seal sweller type)	YES	NO
Traps Hardened Sealant (Stop leak types)	YES	YES
Prevents contamination entry into equipment	YES	Solid Only
Filter by-pass capability	YES	NO

Tel: 1-800-651-7445 Fax: 1-905-335-1829

Vulkan Leak Detector

Part # 5191

Finds leaks of less than 1 gram per year

VULKAN Loktracer is an innovative tracer gas leak detection system.

All the advantages of existing leak detection methods – without the disadvantages of the conventional methods.

Using a gas mixture made up of 95% nitrogen and 5% hydrogen. The hydrogen share is used as the tracer gas. The LOKtracers react exclusively to hydrogen, which means there are no cross-sensitivities.

This means leak detection is extremely reliable. Hydrogen molecules are the smallest naturally occurring particles and escape from even the tiniest of leaks

Air Conditioning Chemicals & Lubricants

AR4247

Designed with automotive air conditioning systems in mind, this safe hydrocarbon is environmentally friendly and non-contaminating to R12 or R134a systems.



- Reduces vent temperatures 3°C - 7°C
- Large molecular structured formula to reduce and prevent leaks.
- Non o-zone depleting.
- No ODS licence required to install.

6oz / 170g Can (Equivalent to: 17oz / 481g of R134a (19oz / 538g of R12))

Part No.	Description
AR4247	6oz Can of Repla 134 hydrocarbon.
AR4247M	12 x 6oz Can of Repla 134 hydrocarbon.
AR4247HP	6 x 6oz Can of Repla 134 hydrocarbon.
AR4247HOSE	6 x 6oz Can of Repla 134 hydrocarbon. Plus Hose

A/C Oil Charge



Part # 49620

Each can contains:
2oz of Universal Oil
2oz of Hydrocarbon

4oz / 114g Can

Metal Component Sealer



Part # AR4237

Each can contains:
1oz of Metal Sealant
3oz of Hydrocarbon

4oz / 114g Can

Rubber Component Sealer



Part # AR4238

Each can contains:
1oz of Rubber Sealant
3oz of Hydrocarbon

4oz / 114g Can

Air Conditioning Chemical Assortments

AR4228



Each Kit contains:

- 1 x A/C Oil Charge (49620)
- 1 x Hydrocarbon (AR4247)
- 1 x Installation Hose w/ Gauge (AR4752)

Packaged in Display Box

AR4231



Each Kit contains:

- 1 x Rubber Sealant (AR4238)
- 2 x Hydrocarbon (AR4247)
- 1 x Installation Hose w/ Gauge (AR4752)

Packaged in Display Box

AR4232



Each Kit contains:

- 1 x Metal Sealant (AR4237)
- 2 x Hydrocarbon (AR4247)
- 1 x Installation Hose w/ Gauge (AR4752)

Packaged in Display Box

Air Conditioning System Lubrication

49602-1

50602-1 (w/ UV Dye)



PAG 46
A/C Compressor
Refrigerant Oil

(Case 12)
49602
50602 (w/ UV Dye)

8 Fl.oz / 227ml

49603-1

50603-1 (w/ UV Dye)



PAG 100
A/C Compressor
Refrigerant Oil

(Case 12)
49603
50603 (w/ UV Dye)

8 Fl.oz / 227ml

49604-1

50604-1 (w/ UV Dye)



PAG 150
A/C Compressor
Refrigerant Oil

(Case 12)
49604
50604 (w/ UV Dye)

8 Fl.oz / 227ml

**PAG Oil Kit
#49605**

4x PAG 46 - 49602-1
4x PAG 100 - 49603-1
4x PAG 150 - 49604-1



12 x 8 Fl.oz / 227ml

**UV Dye PAG Oil Kit
#49605**

4x PAG 46 - 50602-1
4x PAG 100 - 50603-1
4x PAG 150 - 50604-1

49597-1

51597-1 (w/ UV Dye)



ESTER 100
A/C Compressor
Refrigerant Oil

(Case 12)
49597
51597 (w/ UV Dye)

8 Fl.oz / 227ml

49601

49601-12 (12 pk)



ESTER 100 with UV Dye
A/C Compressor
Refrigerant Oil

32 Fl.oz / 908ml

5098



Premium Vacuum
Pump Oil

32 Fl.oz / 908ml

49701



Universal Compressor Oil
Replaces PAG & Ester
oils, Superior lubricant
ensures compressor
longevity

32 Fl.oz / 908ml

Tel: 1-800-651-7445

Fax: 1-905-335-1829

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Email: info@fmsinc.com

http://www.fmsinc.com

Hand Held A/C Flush Gun

AR6223



Flush out condensers, evaporators, hoses, etc.

Hybrid Electric A/C Oil

MT3032



Compatible with all Hybrid vehicles that utilize R134a A/C systems using electrically driven compressors, providing the ultimate in compressor protection. This hybrid electric A/C lubricant contains anti-wear agents and has maximum dielectric strength.

8 Fl.oz / 227ml

A/C Super Flush

AR4208




Quick Dry Solvent

1 U.S. gal / 3.78L

Leak Detection Dyes


Fluorescing UV Dye
Available in 8oz bottles, 0.5oz packs or 0.25oz syringes

AR4280




8 Fl.oz / 227ml

AR4280



12 x 0.5 Fl.oz / 15ml

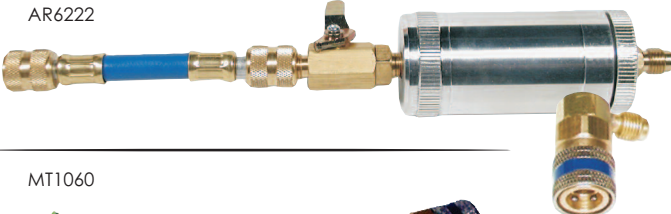
MT1062




12 x 0.25 Fl.oz / 7.5ml

Dye & Refrigerant Oil Injector

AR6222



MT1060



A/C Extra Flush

AR8201-1



Designed to clean and remove contaminants from R134a and R12 Automotive systems


Compatible with PAG, Ester & Mineral Oils

(Aerosol)

AR8201-3 (3pk)
AR8201 (12pk)

Evaporator Treatment

AR8202-1



Eliminates most offensive odors

- Kills bacteria, mold & Mildew on evaporator surfaces.

(Aerosol)

AR8202-3 (3pk)
AR8202 (12pk)

Odor Stop

44210

Odor Neutralizer - One Time Use



Specially formulated to tackle problems due to moisture accumulation in vehicles ventilation and a/c systems

Effectively eliminates odor due to

- Cigarette Smoke
- Mold
- Mildew and More...

FMSI Brake Cleaner

FM720

- Non Chlorinated
- Removes Dirt, Grease & Brake Dust
- Does not leave residue
- Will not Damage rubber components




(Aerosol)

5.26 gal / 20L

High Strength Penetrating Lube

FM2005

High Strength Penetrating Lube.

- Powerful formulation assures constant lubrication even under the most extreme conditions



(Aerosol)

FMSI Glass Cleaner

K3

Foaming Glass Cleaner

- Cleans & polishes all glass surfaces
- Leaves no film
- Apple scent




(Aerosol)

Quick Connector Installation Lubrication

49590

Fuel & Vent Line Quick Connector Lubricant

- OEM multi-purpose Lubricant
- Eases the installation of connectors
- Lubrication is safe for fuel systems



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 components
- Prevents Seizing
- Will not wash off



Hi Temp Brake Lube, Cold Shock Penetrating Lubricant & Copper Anti-Seize



4 oz / 120g



15 oz / 450g

Used Original equipment by General Motors, Mercedes for problematic vehicles.

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 slide freely

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)

Jobber Store Merchandiser

0137 - Cold Shock & Hi Temperature Brake Lube

Part No.	Description	Qty
530882	Cold Shock Penetrating Lube	4
49595	Hi Temperature Brake lube 4oz	5
49596	Hi Temperature Brake lube 15oz	3
5428	Application Brush	3
0065	Display Box	1



Cold Shock Penetrating Lube

530882 - Cold Shock Penetrating Lubricant

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 looses 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.

Treated spots can already be painted over after a few minutes



(Aerosol)

Aerosol Copper Anti-Seize



FM1625 inc.com

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



(Aerosol)



FMSI's Blend Doors replace labour intensive OE plastic with a quality steel hinge, bushing & door.

REPLACE THE BLEND DOOR IN
2 HOURS OR LESS



WITHOUT REMOVING THE DASH



Chevrolet Applications

Part No.	Application	Year
8001	Silverado	99 - 12
8002	Tahoe	00 - 12
8003	Suburban	00 - 12
8004	Avalanche	00 - 12
8005	Yukon	00 - 12
8006	Equinox / Torrent	05 - 09

Dodge Applications

Part No.	Application	Year
8007	Ram	95 - 02
8008	Ram	02 - 08

Ford Applications

Part No.	Application	Year
8009	Expedition	97 - 02
8010	Expedition	03 - 06
8011	Explorer	95 - 02
8012	Explorer	02 - 08
8013	F150 Pick Up	97 - 04
8014	F150 Pick Up	04 - 08
8015	F250/ F350 / F450 Pick-Up	99 - 07
8016	Ranger	93 - 08
8017	Taurus	96 - 07
8018	Windstar	95 - 03

Jeep Applications

Part No.	Application	Year
8019	Cherokee	97 - 06
8020	Grand Cherokee	92 - 97
8021	Grand Cherokee	98 - 04
8022	Wrangler	97 - 06

Lincoln/Mercury Applications

Part No.	Application	Year
8023	Navigator	97 - 02
8024	Navigator	03 - 06
8025	Mark LT	06 - 08
8026	Mountaineer	97 - 02
8027	Mountaineer	02 - 07
8028	Sable	96 - 07

Mazda Applications

Part No.	Application	Year
8029	Mazda Trucks (All "B" Models)	93 - 08
8030	Navajo	97 - 01

FMSI's Blend Door repair kits are miles ahead of any current OE or Aftermarket replacement.

With each repair kit, step by step instructions are included for the removal of the damaged door and hardware.

Visit our YouTube page to watch video go to www.fmsiinc.com for the link.

- Replaces the plastic blend doors and axle with stainless steel components.
- Includes detailed instructions and all hardware required to complete the fix, including dremel bits and metal tape to seal the cut.
- No need to disassemble dash or evacuate the A/C System.
- Less than 2 hour downtime.

FMSI Automotive Hardware Assortments



FMSI has hundreds of varieties of assortments to choose from. There is sure to be one that suits the needs for your shop.

We are always willing to design new assortments to keep up with the ever growing demands of the automotive aftermarket.

Tell us what you think!! - Email us at: info@fmsiinc.com

Top selling Assortments noted with a "Wrench"

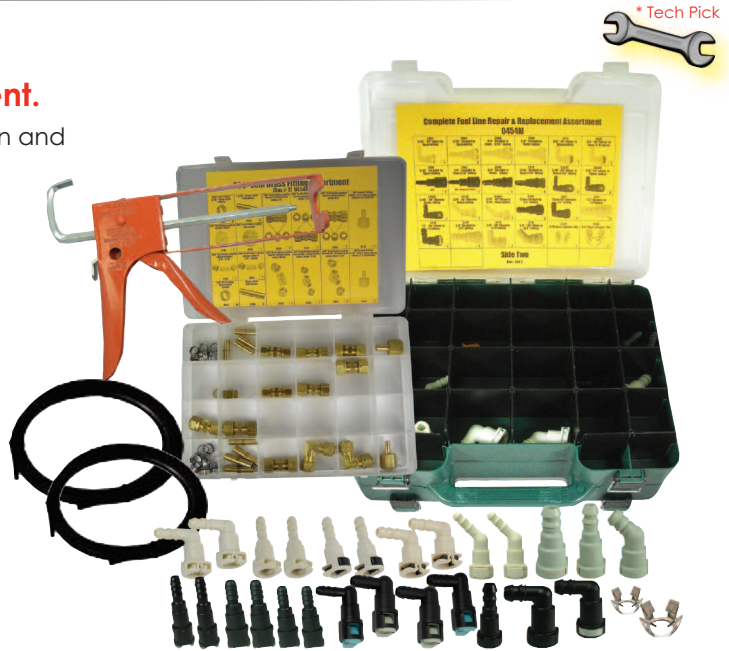
Complete Fuel Line Repair or Replacement

FMSI Automotive Hardware's Renowned Master Fuel Line Repair & Replacement Assortment.

This 90 piece assortment contains everything from installation gun and accessories to a full range of OE quality quick connectors and brass attaching hardware.



0454M
90 Pcs (2 Boxes)

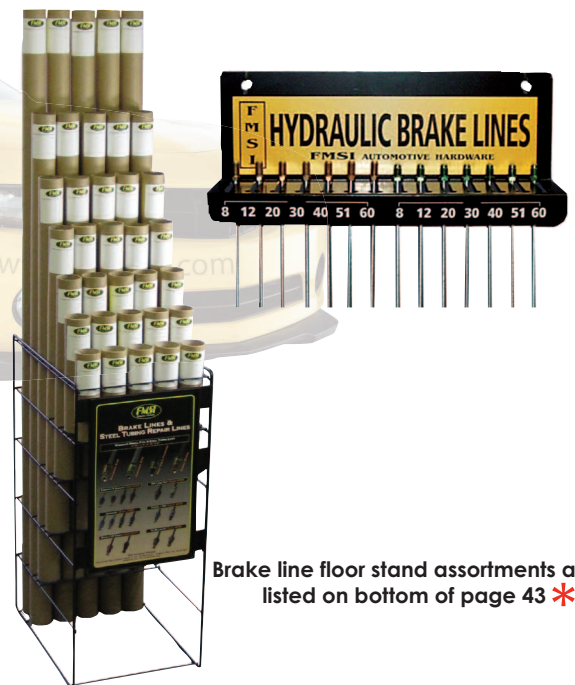


Nylon fuel line connectors used by all manufacturers are pressed on. If you want the original equipment fit and finish use FMSI's press tool for on car or on bench connector installation.

Trust FMSI the original fluid line repair specialist.

Brake Line Wall Rack Assortments

0010	3/16" Standard & Metric (Zinc)	43 pieces
0104	Japanese & European (PVF)	38 pieces
0105	Japanese (Zinc & Armored Zinc)	40 pieces
0111	3/16" & 1/4" (Cupro Nickel)	28 pieces
0280	3/16" & 1/4" (Zinc)	48 pieces
0297	5/16" & 3/8" (Zinc)	32 pieces
0298	3/16" & 1/4" (Armored Zinc)	31 pieces
0299	Japanese & Domestic (Zinc)	40 pieces
0343	Toyota/GM & Metric (Zinc)	32 pieces
0422	Standards, British, Japanese & Metric (Zinc)	308 pieces
0423	British, Japanese & Metric (Zinc)	140 pieces
0424	Standards 3/16", 1/4", 5/16" & 3/8" (Zinc)	94 pieces
0442	Metric, Japanese & Toyota/GM (Zinc)	74 pieces
0463	Standards 3/16" 1/4", 5/16" & 3/8" (Passivated Green)	62 pieces
0471	3/16" & 1/4" (Passivated Green)	46 pieces
0472	3/16" & 1/4" (Zinc)	70 pieces
0484	3/16" (Passivated Green)	32 pieces
0485	3/16" (Zinc)	32 pieces
0486	3/16" (Armored Zinc)	32 pieces
0488	Standards 3/16" 1/4", 5/16" & 3/8" (PVF)	66 pieces
0489	3/16" & 1/4" (Poly Vinyl Floride)	39 pieces
0493	Metric, Japanese, Toyota/GM & European (PVF)	74 pieces

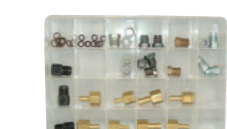



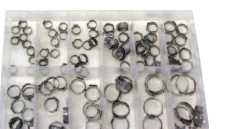







Brake line floor stand assortments are listed on bottom of page 43 *

Brake Line Fittings & Bleeder Screw Assortments

<p>0014 Brake Line Tube Nuts</p>  <p>91pcs</p>	<p>0020 Tube Nuts, Adapters & Brake Line Coils</p>  <p>CN3 Included 105pcs</p>	<p>0021 Tube Nuts, Adapters & Brake Line Coils</p>  <p>CN3 & CN4 Included 155pcs</p>	<p>0072 Bleeder Screws & Clips</p>  <p>157pcs</p>	<p>0107 Brass Adapters & Unions</p>  <p>45pcs</p>	<p>0108 Flex Line Bolts & Gaskets</p>  <p>21pcs</p>
<p>0231 Copper Flex Line Gaskets</p>  <p>48pcs</p>	<p>0251 Master Brake Line Tube Nuts Unions 2 Box Kit</p>  <p>(Standard Fittings) 165pcs (Metric Fittings)</p>		<p>0252 Brass Brake Line Adapters & Unions</p>  <p>40pcs</p>	<p>0269 Brake Line Tube Nuts & Unions</p>  <p>158pcs</p>	<p>0273 Brake Adapter Lines</p>  <p>24pcs</p>
<p>0310 Brake Line Tube Nuts</p>  <p>55pcs</p>	<p>0311 Metric Brake Line Tube Nuts, Adapters & Unions</p>  <p>60pcs</p>	<p>0314 Standard & Metric Brake Line Tube Nuts & Unions</p>  <p>102pcs</p>	<p>0349 6mm Brake Line Tube Nuts & Unions</p>  <p>16pcs</p>	<p>0475 Master Bleeder Screw & Caps</p>  <p>16pcs</p>	<p>0477 Brake & Fuel line Tubing Retainer clips</p>  <p>48pcs</p>

Fuel Line Hardware & Fitting Assortments

<p>0103 Fuel Line Tube Nuts</p>  <p>47pcs</p>	<p>NEW PRODUCT 0140 Stainless Steel Quick Connectors</p>  <p>18pcs</p>	<p>0200 0454 Update Kit</p>  <p>18pcs</p>	<p>0289 Fuel Line Retainer Clips</p>  <p>31pcs</p>	<p>0300 360° Seal Clamps</p>  <p>96pcs</p>
<p>0301 Nylon Fuel Line Hardware</p>  <p>122pcs</p>	<p>0304 Steel to Nylon Adapter Lines</p>  <p>74pcs</p>	<p>0348 Fuel Line Retainer Clips</p>  <p>36pcs</p>	<p>0380 Nylon Fuel Line Quick Connectors & Fittings</p>  <p>38pcs</p>	<p>0388 Nylon Fuel Line Quick Connectors & Install Tool</p>  <p>47pcs</p>

* Brake Line Floor Stand Display Assortments

0015	3/16", 1/4", Japanese & European with Coils (Cupro Nickel)	177 pieces
0023	3/16", 1/4", Japanese & European (Cupro Nickel)	72 pieces
0391	Standards 3/16", 1/4", 5/16" & 3/8" (Zinc)	210 pieces
0392	Metric, British, Japanese & Domestic (Zinc)	140 pieces
0404	Standard 3/16", 1/4", 5/16" & 3/8" (Armored Zinc)	210 pieces
0420	Standard 3/16", 1/4", 5/16" & 3/8" (Zinc)	203 pieces
0421	3/16", 1/4", 5/16" & 3/8", Metric, Japanese, Euro & Domestic (Zinc)	310 pieces
0430	3/16", 1/4" Japanese & Domestic (Zinc)	210 pieces
0455	Metric, British, Japanese & European (Passivated Green)	126 pieces
0461	Standard 3/16", 1/4", 5/16" & 3/8" (Passivated Green)	210 pieces
0474	3/16", 1/4", Metric, Japanese & European (Passivated Green)	133 pieces
0487	British, Metric, Toyota, Japanese & Euro (Poly Vinyl Floride)	112 pieces
0490	3/16", 1/4", Metric, Japanese & European (Poly Vinyl Floride)	138 pieces
0491	Standard 3/16", 1/4", 5/16" & 3/8" (Poly Vinyl Floride)	125 pieces

Transmission & Power Steering Assortments

<p>0128 Power Steering Rack Line Repair</p>  <p>40pcs</p>	<p>0320 Fittings & Quick Connectors</p>  <p>45pcs</p>
<p>0390 Retainer Clips</p>  <p>44pcs</p>	<p>0438 Tube Nuts & Adapters</p>  <p>35pcs</p>
<p>0439 Quick Connectors & Fittings</p>  <p>23pcs</p>	<p>0462 Silver Zinc Repair Lines</p>  <p>20pcs</p>







General Hardware & Fitting Assortments

<p>0216 Vacuum Caps</p>  <p>40pcs</p>	<p>0255 Door Trim Panel Clips</p>  <p>62pcs</p>	<p>0263 Standard O-Rings</p>  <p>222pcs</p>	<p>0264 Metric O-Rings</p>  <p>225pcs</p>	<p>0282 Vaccum Connectors & Caps</p>  <p>105pcs</p>	<p>0351 Brass & Plastic Hose Joiners</p>  <p>28pcs</p>
<p>0364 Cabin Air Filter Hardware</p>  <p>79pcs</p>	<p>0368 Trim Panel Clips</p>  <p>79pcs</p>	<p>0381 Hood Prop Rod Retainer Clips</p>  <p>41pcs</p>	<p>0428 - 0429 Metric - Fractional Grease Fittings</p>  <p>100pcs</p>	<p>0433 Licence Plate Hardware</p>  <p>146pcs</p>	<p>0492 Splash Panel Clips</p>  <p>146pcs</p>

Electrical & Solderless Assortments

<p>0205 OEM Style Terminals</p>  <p>121pcs</p>	<p>0352 Solderless Terminals</p>  <p>230pcs</p>	<p>0382 Heat Shrink Solderless Terminals</p>  <p>230pcs</p>	<p>0134 Chrome Acorn Wheel Nuts</p>  <p>The six most common chrome plated acorn wheel nuts are now available in one complete assortment.</p> <p>Dont tie up hoists waiting on wheel nuts, this competitively priced assortment is sure to keep the flow in almost any shop.</p> <p>100pcs</p>
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Oil Drain Plugs & Gasket Assortments

<p>0002B Drain Plug Gaskets</p>  <p>466pcs</p>	<p>0303 Domestic Drain Plugs & Gaskets</p>  <p>66pcs</p>	<p>0327 Oil Drain Plug & Gaskets</p>  <p>66pcs</p>	<p>0354 Metric Drain Plug Gaskets</p>  <p>239pcs</p>	<p>0355 Metric Drain Plug Gaskets</p>  <p>80pcs</p>	<p>0440 90'-Up New Style Drain Plugs</p>  <p>31pcs</p>
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Master Oil Drain Plug & Gasket Assortment









Part No. 0141- Master Oil Drain Plug and Gasket Assortment



This Oil Drain Plug & Gasket assortment contains the Complete FMSI Drain Plug and gasket program inventory for your store or repair shop.

Top 44 Oil Drain Plugs with corresponding gasket in each slot.

Brass Fittings & Hardware

<p>0018 Brass Adapters, Unions & Tees</p>  <p>45pcs</p>	<p>0107 Brass Adapters, Unions</p>  <p>44pcs</p>	<p>0129 Brass Brake Line Adapters Fittings</p> 
<p>0252 Brass Brake Line Adapters & Tees</p>  <p>40pcs</p>	<p>0437 Brass Compression Unions</p>  <p>31pcs</p>	<p>01050 Jobber Store Brass Inventory</p>  <p>621pcs</p>

Master Aluminum Tube Joining Assortment

Part # 0379M

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.
- Trusted by OEM for over 30 years.



The number one selling aluminum tube joiner assortment in the Automotive aftermarket

0379M - Content List

Part No.	Description	Qty
5131	A/C Tube Joiner Tool	1
5132	3/8" Jaws for Joiner Tool	2
5133	1/2" Jaws for Joiner Tool	2
5134	5/8" Jaws for Joiner Tool	2
5135	3/4" Jaws for Joiner Tool	2
5136	3/8" Aluminum Union	2
5137	1/2" Aluminum Union	2
5138	5/8" Aluminum Union	2
5139	3/4" Aluminum Union	2
5140	Lok-Prep anaerobic	1
5266	3/8 Block Off Cap	2
5267	1/2" Block Off Cap	2
5268	5/8" Block Off Cap	2
5350	3/4" Block Off Cap	2
5300	3/8" Aluminum A/C Tubing 5'	2
5301	1/2" " Aluminum A/C Tubing 5'	2
5302	5/8" Aluminum A/C Tubing 5'	2
5303	3/4" Aluminum A/C Tubing 5'	2

Air Conditioning Assortments

<p>0117 A/C Line Splice & Block offs</p> <p>16pcs</p>	<p>0117M Master A/C Line Splice & Block offs</p> <p>19pcs</p>	<p>0132 Rear A/C Line Replacement</p> <p>16pcs</p>	<p>0133 Rear A/C Line Terminators</p> <p>16pcs</p>	<p>0218 72" Hose Set w/ Hi/Lo side Quick Couplers</p> <p>5pcs</p>	<p>0219 72" R134a Hose Set</p> <p>3pcs</p>
<p>0220 High & Low side Quick Couplers</p> <p>2pcs</p>	<p>0324 A/C Valve Cores</p> <p>29pcs</p>	<p>0325 Orifice Tube</p> <p>25pcs</p>	<p>0336 A/C O-Rings</p> <p>140pcs</p>	<p>0344 R134a O-Rings</p> <p>80pcs</p>	<p>0375 GM Sealing Washers</p> <p>57pcs</p>
<p>0400 GM A/C O-Ring</p> <p>210pcs</p>	<p>0401 Ford A/C O-Ring</p> <p>216pcs</p>	<p>0402 Chrysler A/C O-Ring</p> <p>156pcs</p>	<p>0403 Import A/C O-Ring</p> <p>120pcs</p>	<p>0414 A/C Tube End Repair</p> <p>21pcs</p>	<p>0445 GM Sealing Washers</p> <p>43pcs</p>
<p>0446 Orifice Tube & Service Ports</p> <p>36pcs</p>	<p>0466 Master Rapid Seal Kits Domestic, Imports & Trucks</p> <p>33pcs</p>	<p>0480 A/C Service Port Caps</p> <p>50pcs</p>	<p>0481 Valve Cores & Service Port Caps</p> <p>50pcs</p>	<p>0162 Rear A/C Line Replacement (LOKRING) #6 - #12 Hose</p> <p>2ea 2ea 2ea 2ea</p> <p>pcs</p>	



The NEW Master Kit Series (MKS)

Our New Master Kit Series Assortments are complete inventories of product groups.
(eg - Oil Pan Drain Plugs & Gaskets, Brake Line Tube Nuts & Unions)
All MKS assortments come in metal drawers with options for stands and cabinets

0141 - Oil Drain Plug & Gasket assortment



Top 44 Oil Drain Plugs with corresponding gasket in each slot.

0142 - Tube Nut & Union assortment

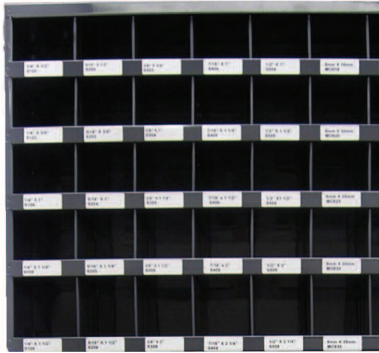


The most complete tube nut, union and brake tee assortment available in the aftermarket.

0163 - Master Chrome Acorn Wheel Nut assortment



372 piece chrome acorn, bulge seat, external thread and cap, in stainless steel and zinc



Jobber Store Brass Display Assortment

Over 100 automotive Brass Fitting numbers, totaling 621 individual fittings

01050 (4 Drawer Rack)
(H)= 14.75" x (W)=20" x (D)= 16.5"



Edelmann # 1050
Weatherhead # CA-631

01050F (64 drawer Cabinet)
(H)= 21.5" x (W)=26" x (D)= 6.5"



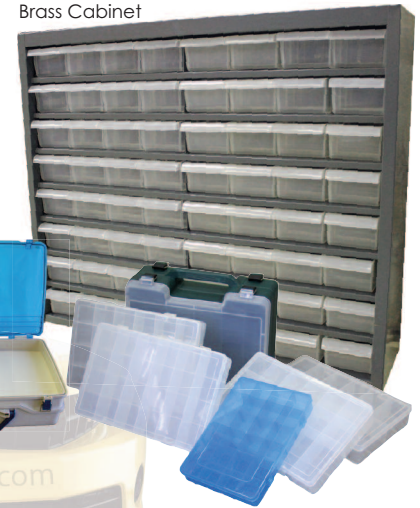
Display & Packaging Solutions

Metal & Plastic Display Cases



Part #	Description
0066	24 Hole Plastic Box
0070	Double Sided Plastic Box
0076	12 Hole Plastic Box (Small)
0077	18 Hole Plastic Box (Small)
0078	10 Hole Plastic Box
0087	24 Hole Metal Tray
0088	4 Drawer Metal Rack
0089	32 Hole Metal Tray
359	40 Hole Metal Bin
363	72 Hole Metal Bin
364	Base for 359 & 363
317-95	64 Drawer Brass Cabinet

Brass Cabinet

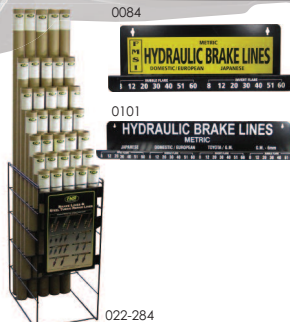


Ziplock Parts Bags



Part #	Description
3X2	3" x 2" Ziplock Parts Bag (100PK)
3X4	3" x 4" Ziplock Parts Bag (100PK)
3X5	3" x 5" Ziplock Parts Bag (100PK)
5X8	5" x 8" Ziplock Parts Bag (100pk)
6X9	6" x 9" Ziplock Parts Bag (100pk)

Brake Line Wall Racks & Floor Stand



Part #	Description
0084	3/16" & 1/4" - 14 Slot Wall Rack
0091	5/16" & 3/8" - 14 Slot Wall Rack
0100	28 Slot Metric Wall Rack
0101	3/16" to 3/8" - 25 Slot Wall Rack
022-284	35 Tube Floor Stand 8" to 60"

Call for application guide



Door Pin Program

Repair damaged OE door hinge pins and bushings with FMSI's Repair Solutions.

Premium door hinge repair solutions.

- Buick • Cadillac • Chevrolet • Chrysler • Ford • Toyota • Trucks and more...

Sample Offering Found on Page 28



Door Pin Remover Tool



Fuel Inline Check Valves

Problem: Fuel pump check valve fails causing fuel pressure drop and hard starts.

Solution: Install in-line check valve. Inexpensive 15 minute repair, works with steel and nylon fuel line.



Part #	Size
4910	5/16"
4911	3/8"

Found on Page 15

Call for application guide



Fuel Filler Neck Program

Over 200 SKU's
400 Applications

- Filler Necks Listed on Epicor and Wrench Head
- All brand new filler necks.
- 3 year warranty.
- 40% More coverage over other suppliers.
- Manufactured to meet or exceed OEM Specification.
- All fuel filler necks will be boxed and labelled with interchange.
- Over 200 SKUs available with new being added.
- "E" Coated for additional corrosion protection.
- Contact your Sales Rep about delivery within your area.
- Ground Straps included (When required)



Total Aftermarket Coverage

- Buick • Cadillac • Chevrolet • Chevy Trucks • Chrysler • Dodge • Dodge Trucks • Ford • Ford Trucks • Geo • GMC • Honda • Hyundai • Infiniti • Isuzu • Jeep • Kia • Lexus • Lincoln • Mazda • Mercury • Mitsubishi • Nissan • Oldsmobile • Plymouth • Pontiac • Saturn • Subaru • Suzuki • Toyota

Found on Page 25

Call for application guide



2hr Blend Door Repair Kits

FMSI's Blend Doors replace labour intensive OE plastic with a quality steel hinge, bushing & door.

REPLACE THE BLEND DOOR IN
2 HOURS OR LESS

WITHOUT REMOVING THE DASH



REDUCE LABOUR OVER 80%

Found on Page 41



FMSI AUTOMOTIVE HARDWARE



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