

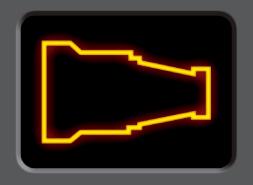
BRAKE SYSTEM

FUEL SYSTEM





REPAIR LINES, ADAPTORS, FITTINGS AND TOOLS



TRANSMISSION



COOLANT



STEEL HYDRAULIC BRAKE LINES

Papcoflex Steel Hydraulic Brake Lines are ideal replacement parts for hydraulic brake, transmission, gas, oil and vacuum lines used on all cars, trucks, buses and tractors.

- 1. All Papco Brake Lines feature a copper brazed, double-walled steel construction coupled with a zinc outer coating that provides resistance to rust, leakage, pressure and vibration.
- 2. Papco lines comply to GM123M-ASV and S.A.E. J527B, have wall thickness of 0.028" (0.70mm) and withstands pressures to 17,000 psi.
- 3. All Papco lines can easily be shaped by hand to duplicate the original without crimping or collapsing.

Papcoflex **POLY-V** Coated Brake Lines feature a polyvinyl flouride coating to resist corrosion, nicks and dents while providing up to 30 times the protection of standard steel brake lines.

Papcoflex Armoured Steel Brake Lines feature the highest degree of protection against common road hazzards. Each steel line is wound the entire length with a 0.046" diameter high carbon, galvanized wire and comes complete with flared fittings.



Standard package contains 10 lines

Order by Part Number

		3/16 O.D.		1/4 O.D.		5/16 O.D.			3/8 O.D.			
Overall Length	Steel	POLY-V	Steel Armoured	Steel	POLY-V	Steel Armoured	Steel	POLY-V	Steel Armoured	Steel	POLY-V	Steel Armoured
6"	S306	-	AS306	-	-	-	-	-	-	-	-	-
8"		PS308	AS308	S408	PS408	AS408		PS508	AS508		PS608	-
10"		-	AS310	-	-	-		PS510	AS510		-	AS610
12"		PS312	AS312	S412	PS412	AS412		PS512	AS512		PS612	AS612
20"		PS320	AS320	S420	PS420	AS420		PS520	AS520		PS620	AS620
30"	S330	PS330	AS330	S430	PS430	AS430		PS530	AS530		PS630	AS630
40"		PS340	AS340	S440	PS440	AS440		PS540	AS540		PS640	AS640
51"		PS351	AS351	S451	PS451	AS451		PS551	AS551		PS651	AS651
60"		PS360	AS360	S460	PS460	AS460		PS560	AS560		PS660	AS660
72"	S372	PS372	AS372	S472	PS472	AS472	S572	PS572	AS572	S672	PS672	AS672

METRIC BRAKE LINES

All the proven features of the Papcoflex Steel Hydraulic Brake Line. Available in three types, all 3/16" diameter and in popular length as listed.

Type 'A': Metric Thread with standard flare. For Nissan, Honda, Mazda and Toyota.

Type 'B': U.S. Thread with bubble flare. For Austin, Cortina, Cricket, Fiat, Jaguar, M.G. and Triumph.

Type 'C': Metric Thread with bubble flare. For BMW, Citroen, Mercedes-Benz, Peugeot, Porsche, VW.

		METRIC 3/16 O.D.					6 mm O.D.	
Overall	Тур	e 'A'	Тур	e 'B'	Тур	e 'C'	Type 'T'	GM/Imports
Length	Steel	POLY-V	Steel	POLY-V	Steel	POLY-V	Toyota/GM Long Nut	Steel
8"	MA308	PMA308	MB308	PMB308	MC308	PMC308	MT308	MM308
12"	MA312	PMA312	MB312	PMB312	MC312	PMC312	MT312	MM312
20"	MA320	PMA320	MB320	PMB320	MC320	PMC320	MT320	MM320
30"	MA330	PMA330	MB330	PMB330	MC330	PMC330	MT330	MM330
40"	MA340	PMA340	MB340	PMB340	MC340	PMC340	MT340	MM340
51"	MA351	PMA351	MB351	PMB351	MC351	PMC351	MT351	MM351
60"	MA360	PMA360	MB360	PMB360	MC360	PMC360	MT360	MM360

STEEL BRAKE LINE MERCHANDISERS



Papcoflex steel brake line floor merchandisers are available in 5 variations and may be linked together to form a master warehouse stock to cover almost every brake line requirement. Compact wire rack measures 9-1/2"w x 20-1/2"d x 28"h and includes colour-coded, permanent PVC storage tubes for dispensing lines. Each papcoflex brake line is labeled showing part number, O.D. and length.

No. 022-284 Empty Wire Rack (with tubes and colour-coded labels to create your own mix of lines)

STEEL BRAKE LINE MERCHANDISER No. 022-285

Contains 3 each of 28 sizes of Papcoflex Brake Lines for a total of 84 lines. Rack and tubes included.

POLY-V COATED BRAKE LINE MERCHANDISER No. 022-585

Contains 3 each of 28 sizes of **POLY-V** Coated Steel Brake Lines for a total of 84 lines. Rack and tubes included.

Overall	3/16 O.D.		1/4 O.D.		5/16 O.D.		3/8 O.D.	
Length		POLY-V	Steel	POLY-V	Steel	POLY-V	Steel	POLY-V
8"	S308	PS308	S408	PS408	S508	PS508	S610	PS608*
12"	S312	PS312	S412	PS412	S512	PS512	S612	PS612
20"		PS320	S420	PS420	S520	PS520	S620	PS620
30"	S330	PS330	S430	PS430	S530	PS530	S630	PS630
40"		PS340	S440	PS440	S540	PS540	S660	PS640
51"		PS351	S451	PS451	S551	PS551	S661	PS651
60"	S360	PS360	S460	PS460	S560	PS560	S660	PS660

ARMOURED BRAKE LINE MERCHANDISER No. 022-286

Contains 3 each of 28 sizes of Papcoflex Armoured Brake Lines for a total of 84 lines. Rack and tubes included.

Overell	3/16 O.D.	1/4 O.D.	1/4 O.D.	5/16 O.D.
Overall Length	Steel	Steel	Steel	Steel
Lengin	Armoured	Armoured	Armoured	Armoured
8"	AS308	AS408	AS508	AS610
12"	AS312	AS412	AS512	AS612
20"	AS320	AS420	AS520	AS620
30"	AS330	AS430	AS530	AS630
40"	AS340	AS440	AS540	AS640
51"	AS351	AS451	AS551	AS651
60"	AS360	AS460	AS560	AS660

METRIC BRAKE LINE MERCHANDISER No. 022-287

Contains 3 each of 21 sizes of Papcoflex Metric Brake Lines for a total of 63 lines. Rack and tubes included.

POLY-V COATED METRIC BRAKE LINE MERCHANDISER No. 022-586

Contains 3 each of 21 sizes of **POLY-V** Coated Metric Brake Lines for a total of 63 lines. Rack and tubes included.

Overall	Type 'A' Japanese		Type 'B	Type 'B' British		Type 'C' European	
Length	Steel	POLY-V	Steel	POLY-V	Steel	POLY-V	
8"	MA308	PMA308	MB308	PMB308	MC308	PMC308	
12"	MA312	PMA312	MB312	PMB312	MC312	PMC312	
20"	MA320	PMA320	MB320	PMB320	MC320	PMC320	
30"	MA330	PMA330	MB330	PMB330	MC330	PMC330	
40"	MA340	PMA340	MB340	PMB340	MC340	PMC340	
51"	MA351	PMA351	MB351	PMB351	MC351	PMC351	
60"	MA360	PMA360	MB360	PMB360	MC360	PMC360	

NOTE: PMA Series **POLY-V** Brake Lines are supplied with Long Nuts for compatability with Toyota/GM brake line requirements.



BRAKE LINE MERCHANDISERS

Each merchandiser includes a rugged metal rack complete with measuring gauge. Merchandisers can be hung on a wall, shelf end, or post. When joining two or more brake lines, use mill inverted Flare Unions (see page 6).

STEEL BRAKE LINE MERCHANDISER

No. 022-079

Contains 48 Lengths of the most popular 5/16" and 3/8" diameter Steel Brake Lines. Four each of 5/16" and 3/8 x 12", 20", 30", 40", 51" and 60".

No. 022-080

Contains 56 Lengths of the most popular 3/16" and 1/4" diameter Steel Brake Lines. Four each of 3/16" and 1/4 x 8", 12", 20", 30", 40", 51" and 60".

ARMOURED STEEL BRAKE LINE MERCHANDISER

No. 022-081

Contains 56 lengths of the most popular 3/16" and 1/4" diameter Armoured Brake Lines. Four each of 3/16" and 1/4"x 8", 12", 20", 30", 40", 51" and 60".

No. 022-082

Contains 48 lengths of the most popular 5/16" and 3/8" diameter Armoured Brake Lines. Four each of 5/16" and 3/8"x 12", 20", 30", 40", 51" and 60".

POLY-V COATED BRAKE LINE MERCHANDISER

No. 022-587

Contains 56 Lengths of the most popular 3/16" and 1/4" diameter Coated Brake Lines. Four each of 3/16" and 1/4 x 8", 12", 20", 30", 40", 51" and 60".

No. 022-588

Contains 48 Lengths of **POLY-V** Coated Brake Lines. Four each of 5/16" and 3/8 x 12", the most popular 5/16" and 3/8" diameter 20", 30", 40", 51" and 60".

STEEL METRIC BRAKE LINE MERCHANDISER

No. 022-083

Contains 42 lines - two of the 21 listed lengths of Metric Brake Lines in Type 'A', 'B' and 'C'.

POLY-V COATED METRIC BRAKE LINE MERCHANDISER

No. 022-589

Contains 42 lines - two each of the 21 listed lengths of Coated Metric Brake Lines in Type 'A', 'B' and 'C'.



EMPTY BRAKE LINE RACKS

No. 022-077 For 3/16" and 1/4" diameter Brake Lines

For 5/16" and 3/8" diameter Brake Lines

No. 022-078M

For 3/16" diameter Metric Brake Lines

MASTER CYLINDER ADAPTOR LINES - BRAKE LINE TUBING



8" MASTER CYLINDER ADAPTOR LINES

Individually Packaged

Steel	POLY-V	Tube	Thread & Flare	Thread & Flare	Colour
Steel	. 4	Size	Туре	Туре	Code
913-001	P913-001	1/4	7/16-24 - Inverted	7/16-24 - Inverted	Gold
913-002*	P913-002√	3/16	3/8-24 - Inverted	7/16-24 - Inverted	Red
913-003*	P913-003 √	3/16	3/8-24 - Inverted	1/2-20 - Inverted	Black
913-004*	P913-004 √	3/16	3/8-24 - Inverted	1/2-20 - Inverted	Green
913-005*	P913-005 √	1/4	7/16-24 - Inverted	9/16-18 - Inverted	Blue
913-006*	P913-006 √	3/16	3/8-24 - Inverted	9/16-18 - Inverted	Olive
913-007*	P913-007 √	1/4	7/16-24 - Inverted	1/2-20 - Inverted	Gold
913-008*	P913-008√	3/16	3/8-24 - Inverted	10mm-1.0 - Bubble	Olive
913-009*	P913-009 √	3/16	10mm-1.0 - Bubble	11mm-1.0 - Bubble	Orange
913-010*	P913-010√	3/16	10mm-1.0 - Bubble	12mm-1.0 - Bubble	Orange
913-011*	P913-011 √	3/16	10mm-1.0 - Bubble	13mm-1.0 - Bubble	Green
913-012*	P913-012 √	3/16	3/8-24 - Inverted	11mm-1.0 - Bubble	Orange
913-013*	P913-013 √	3/16	3/8-24 - Inverted	12mm-1.0 - Bubble	Blue
913-014*	P913-014 √	3/16	3/8-24 - Inverted	13mm-1.5 - Bubble	Green
913-015*	P913-015 √	3/16	3/8-24 - Inverted	10mm-1.0 - Inverted	Blue
913-016	P913-016	1/4	7/16-24 - Inverted	12mm-1.0 - Bubble	Olive
913-017	P913-017	6mm	12mm-1.0 - Bubble	12mm-1.5 - Bubble	Olive
913-018	P913-018	6mm	12mm-1.0 - Bubble	14mm-1.5 - Bubble	Black



STEEL MASTER CYLINDER **ADAPTOR LINES**

ASSORTMENT NO. 022-845

Contains a total of 28 Adaptor Lines 2 each of the 14 most popular sizes as indicated above (*)

POLY-V COATED STEEL MASTER **CYLINDER ADAPTOR LINES**

ASSORTMENT NO. 022-846

Contains a total of 28 POLY-V Adaptor Lines 2 each of the 14 most popular sizes as indicated above (✓)



BRAKE LINE TUBING - CARBON STEEL AND POLY-V COATED

25 ft Coils

Outside Dia.	Steel	POLY-V	Wall Thickness
3/16	901-131	PC-325	
1/4	901-141	PC-425	.028"
5/16	901-151	PC-525	.020
3/8	901-161	PC-625	







BRAKE LINE FITTINGS

STEEL TUBE NUTS – Standard

Standard Package 10 Pieces

Part No.	Tube size	Thread size
DS141-3	3/16	3/8-24
DS141-4	1/4	7/16-24
DS141-5	5/16	1/2-20
DS141-6	3/8	5/8-18



STEEL TUBE NUTS - Long

Standard Package 10 Pieces

Part No.	Tube size	Thread size
DSL141-3	3/16	3/8-24
DSL141-4	1/4	7/16-24



STEEL TUBE NUTS – Oversize Hex

Standard Package 10 Pieces

Part No.	Tube size	Thread size
DS141-4-3	1/4 x 3/16	7/16-24
DS141-5-3	5/16 x 3/16	1/2-20
DS141-5-4	5/16 x 1/4	1/2-20
DS141-6-3	3/8 x 3/16	5/8-18
DS141-6-4	3/8 x 1/4	5/8-18



UNIONS – Standard Package 10 Pieces

Part No.	Tube size	Thread size
D142-3	3/16	3/8-24
D142-4	1/4	7/16-24
D142-5	5/16	1/2-20
D142-6	3/8	5/8-18



ADAPTORS – Standard to Dual Master Cylinder

Standard Package 2 Pieces

Part No.	Female Inverted Flare Seat - Thread	Male Inverted Flare Tube - Thread
D1074*	5/16 - 1/2-20	5/16 - 1/2-20
D7732*	1/4 - 7/16-24	1/4 - 7/16-20
D7817*	3/16 - 3/8-24	5/16 - 1/2-20
D7818	3/16 - 3/8-24	1/4 - 7/16-24
D7828	1/4 - 7/16-24	3/16 - 3/8-24
D7829	1/4 - 7/16-24	5/16 - 1/2-20
D7908	1/4 - 7/16-24	3/16 - 9/16-18
D7909	3/16 - 3/8-24	5/16 - 1/2-20
D7910	3/16 - 3/8-24	3/16 - 9/16-20
D7911	3/16 - 3/8-24	3/16 - 9/16-18
D7912	3/16 - 9/16-18	3/16 - 1/2-20
D7913	3/16 - 1/2-20	3/16 - 9/16-18
D7915	3/8 - 5/8-18	5/16 - 1/2-20
D7916	5/16 - 1/2-20	3/8 - 5/8-18
D7917*	5/16 - 1/2-20	1/4 - 7/16-24





Seals on hex face

METRIC BRAKE LINE FITTINGS



METRIC BRAKE LINE FLARE NUTS

Standard Package 10 Pieces

Part No.	Tube Size	Flare Type	Thread - Application	Colour Code
MA300	3/16	Inverted Flare	10mm - 1.0 – Toyota	Blue
MA317	3/16	Inverted Flare	10mm - 1.0 – Toyota / GM	Blue
MA327	3/16	Inverted Flare	10mm - 1.0 – Toyota	Blue
MA343	3/16	Inverted Flare	10mm - 1.0 – Japanese	Blue
MB311	3/16	Bubble Flare	3/8-24 – British	Violet
MC300	3/16	Bubble Flare	10mm - 1.0 – Euro / Domestic	Olive
MC313	1/4	Inverted Flare	12mm - 1.0 – Ford	Olive
MC314	3/16	Bubble Flare	10mm - 1.0 – VW / Audi	Violet
MC341	3/16	Bubble Flare	12mm - 1.0 – GM / Ford	Blue
MC342	3/16	Bubble Flare	13mm - 1.5 – GM / Ford	Green
MC343	3/16	Bubble Flare	11mm - 1.5 – GM / Ford	Orange / Grey
MC612	6mm	Bubble Flare	12mm - 1.0	Olive
MC613	6mm	Bubble Flare	12mm - 1.5	Olive
MC614	6mm	Bubble Flare	14mm - 1	Black







METRIC / INCH INVERTED FLARE AND BUBBLE FLARE UNIONS

Standard Package 2 Pieces

Part No.	Tube Size	Thread Size	Seat Type
PC1190	3/16	3/8-24	Bubble Flare
PC1191	3/16	M10-1.0	Bubble Flare
PC1192	3/16	M10-1.0	Inverted Flare
PC1193	M6	M12-1.0	Inverted Flare



ADAPTORS – Metric to Metric Bubble Flare

Standard Package 2 Pieces

Part No.	Tube Size	Female Bubble Flare Seat	Male Bubble Flare Tube
PC1179	3/16	M10-1.0	M11-1.5
PC1180	3/16	M10-1.0	M12-1.0
PC1181	3/16	M10-1.0	M13-1.5



ADAPTORS – Inverted Flare to Inch / Metric Bubble Flare

Standard Package 2 Pieces

Part No.	Tube Size	Female Inverted Flare Seat	Male Bubble Flare Tube
PC1177	3/16	3/8-24	3/8-24
PC1178	3/16	3/8-24	M10-1.0



ADAPTORS – Inverted Flare to Metric Bubble Flare

Standard Package 2 Pieces

Part No.	Tube Size	Female Inverted Flare Seat	Male Inverted Flare Tube
PC1176	3/16	3/8-24	M10-1.0

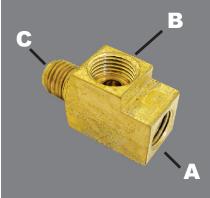




BRAKE LINE FITTINGS - ASSORTMENTS

TOWED TRAILER BRAKE TEES – Standard Packages 2 Pieces

Part No.	A – Female	B – Female	C - Male
D7898	1/4INV - 7/16-24	1/4INV – 7/16-24	1/4INV – 7/16-24
D7899	3/16INV - 3/8-24	1/4INV – 7/16-24	3/16INV – 3/8-24
D7900	3/16INV - 3/8-24	3/16INV – 3/8-24	3/16INV – 3/8-24
D7901	1/4INV - 7/16-24	3/16INV – 3/8-24	1/4INV – 7/16-24
D7902	1/4INV - 7/16-24	3/16INV – 3/8-24	1/4 MPT
D7904	1/4 - 9/16-18	3/16INV – 3/8-24	1/4 – 9/16-18
D7905	3/16 - 1/2-20	3/16INV – 3/8-24	5/16INV – 1/2-20
D7906	3/16 - 1/2-20	3/16INV – 3/8-24	3/16INV – 1/2-20
D7914	3/16 - 7/16-24	3/16INV – 3/8-24	1/4INV – 7/16-24
D7918	3/16 - M10-1.0	3/16INV – 3/8-24	3/16 – M10-1.0)
D7933	3/16 - 9/16-18	3/16INV – 3/8-24	3/16 – 9/16-18



BRAKE BLEEDER SCREWS - Standard Package 5 Pieces

Part No.	Size	Application	Туре
904-200	3/8-24 x 1.471"	Ford/Chrysler	1
904-201	M10-1.5 x 28mm	GM	3
904-203	3/8-24 x 1.11"	Most Domestic	1
904-204	M8-1.25 x 33mm	GM/Honda	3
904-206	1/4-28 x .920"	Ford/Chrysler	1
904-209	M7-1.0 x 32mm	Domestic/Import	1
904-212	M10-1.0 x 33mm	Domestic/Import	1
904-213	5/16-24 x 1.06"	GM/Chrysler	1
904-218	Small Repair Insert	Universal - stripped threads	2
904-219	Large Repair Insert	Universal - stripped threads	2



BRAKE BLEEDER SCREW

MASTER ASSORTMENT No. 020-604



~ 4	Pieces:	
15/1	DIACAS.	

904-200	904-212	DS141-5	DS141-3
904-204	904-213	DS141-6	PC1176
904-203	904-218	D142-3	PC1177
904-204	904-219	D142-4	PC1178
904-206	DS141-3	D142-5	MA300
904-209	DS141-4	D142-6	MC300

BRAKE LINE FITTING ASSORTMENT NO. 020-510



100 Pieces:

905-101	DS141-4-3	DSL141-3	MC343
905-104	DS141-4	DSL141-4	PC1176
D142-3	DS141-5-3	MA300	PC1178
D142-4	DS141-5-4	MA327	PC1190
D142-5	DS141-5	MC341	PC1191
DS141-3	DS141-6	MC342	PC1192
			PC1193

NYLON FUEL LINE REPAIR



The Evolution of Fuel line Repair

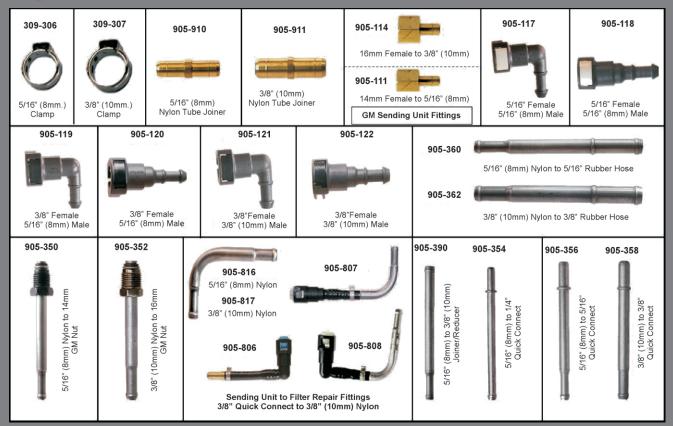


- Innovative 'Posi-Hold' bead end design enables the technician to install fittings by hand, without the need of a COSTLY Fitting Installation Tool.
- Replace damaged sections, fabricate complete fuel lines, repair main feed, return and vent fuel lines in the time it takes to set up most installation tools.
- All fittings and tubing can be used as direct replacements for Chrysler/Dodge, Ford, General Motors, Honda, Mazda, Toyota, Etc...



MASTER FUEL LINE REPAIR ASSORTMENT - No Tools Required Each assortment comes complete with 25ft of 8mm and 10mm Nylon12 Tubing.

ASSORTMENT NO. 020-411





NYLON FUEL LINE REPAIR - NYLON 12 TUBING

The Evolution of Fuel line Repair



NYLON FUEL REPAIR KIT No Tools Required

Each single application kit comes complete with fitting, a 12" length of Nylon 12 tubing, tubing joiner(s) and clamps.



Part No.	Description	Style
905-220	5/16" To 10mm Nylon	
905-221	3/8" To 10mm Nylon	А
905-222	3/8" To 8mm Nylon	
905-223	3/8" To 10mm Nylon	В
905-224	5/16" To 8mm Nylon	В
905-225	5/16" To 5/16" Nylon	С
905-226	10mm To 10mm Nylon	C









QUICK CONNECT NYLON FUEL LINE FITTINGS

No Tools Required - Global Stye Quick Connect Fittings

Individually Packaged

Part No.	Description	Style
905-117	5/16" To 5/16" (8mm)	В
905-118	5/16" To 5/16" (8mm)	А
905-119	3/8" To 5/16" (8mm)	В
905-120	3/8" To 5/16" (8mm)	А
905-121	3/8" To 10mm	В
905-122	3/8" To 10mm	А



NYLON 12 TUBING – Premium black Nylon 12 tubing is specifically designed for use with fuel injection systems and as a direct replacement for steel fuel line. Rated to 200 p.s.i.

Part No.	Tube Size	Length
901-290	1/4" (6mm)	10'
901-310	1/4" (6mm)	25'
901-300	5/16" (8mm)	10'
901-311	5/16" (8mm)	25'
901-321	5/16" (8mm)	50'
901-331	5/16" (8mm)	100'
901-301	10mm	10'
901-312	10mm	25'
901-322	10mm	50'
901-332	10mm	100'

