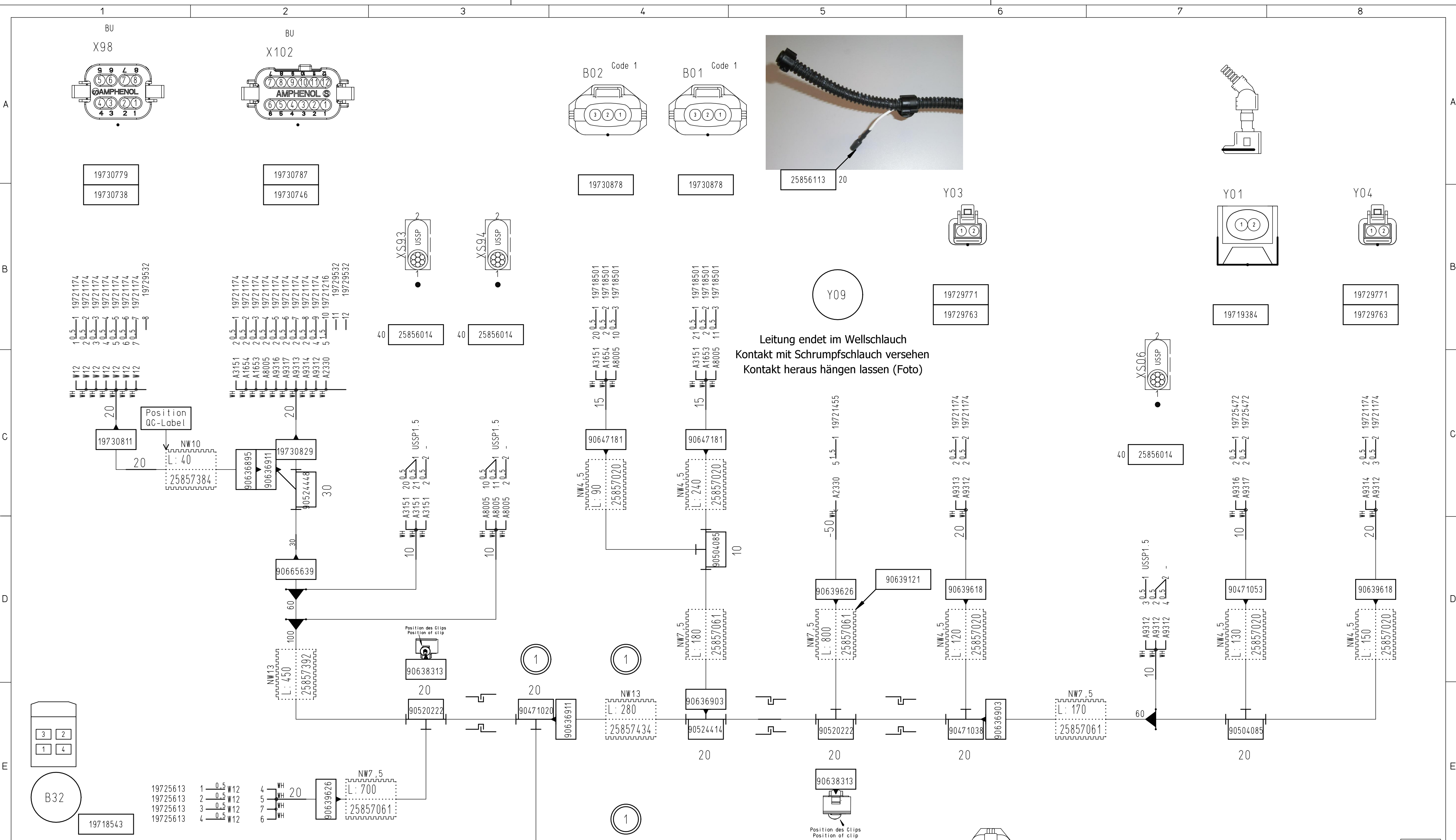
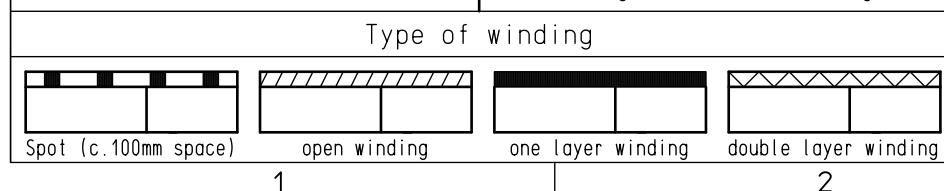


Leitung endet im Wellschlauch  
Kontakt mit Schrumpfschlauch versehen  
Kontakt heraus hängen lassen (Foto)



Toleranzen / tolerances	
0 - 100 mm	- 0/+10 mm
101 - 500 mm	-10/+10 mm
501 - 2000 mm	-10/+20 mm
> 2000 mm	-10/+30 mm

The tolerances are made for individual measurements and for the sum of several measurement.




1	3x	4105-17	03.09.19	DK	2019	Date	Name	CM1650	Name	CM1650	KABELBAUM W12 (Motor)	Hako	Drawing Number	97152680
A2	No. Number appears	Change No.	Date	Name	Standard	Drawn by	Verified	Change No.	Replacem. for same no.	For this drawing we reserve all rights (acc. DIN ISO 16016)	KAB1 472	Type 1491	Dep. DS	No. of Sh. 2
3								4100-04						Sheet 1

All parts have to be in conformity to IEC 60335-1/-2-72  
All housings have to be labeled with device tags

<b>cutting list-No. : 97152680</b>	<b>cutting list Kabelbaum W12 (Motor)</b>	
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wire	Sub	part-No. contact 1	part-No.comp.part	marking 1	wire	cr. sec.	length	colour	marking 2	part-No. contact 2	part-No.comp.part
A1653	2	19721174		X102/BU/3	26210278	0,5	1345	WH	B01/2	19718501	19719246
A1654	2	19721174		X102/BU/2	26210278	0,5	1195	WH	B02/2	19718501	19719246
A2330	5	19721216		X102/BU/10	26210252	1,5	1660	WH	Y09/1	19721455	
A3151	2	19721174		X102/BU/1	26210278	0,5	170	WH	XS93/2	-	
A3151	20	19718501	19719246	B02/1	26210278	0,5	1045	WH	XS93/1	USSP1.5	
A3151	21	19718501	19719246	B01/1	26210278	0,5	1195	WH	XS93/1	^	
A8005	2	19721174		X102/BU/4	26210278	0,5	210	WH	XS94/2	-	
A8005	10	19718501	19719246	B02/3	26210278	0,5	1005	WH	XS94/1	USSP1.5	
A8005	11	19718501	19719246	B01/3	26210278	0,5	1155	WH	XS94/1	^	
A9312	2	19721174		Y03/2	26210278	0,5	300	WH	XS06/2	-	
A9312	4	19721174		X102/BU/9	26210278	0,5	1050	WH	XS06/2	^	
A9312	3	19721174		Y04/2	26210278	0,5	280	WH	XS06/1	USSP1.5	
A9313	2	19721174		Y03/1	26210278	0,5	1090	WH	X102/BU/7	19721174	
A9314	2	19721174		Y04/1	26210278	0,5	1310	WH	X102/BU/8	19721174	
A9316	2	19725472	19719863	Y01/1	26210278	0,5	1280	WH	X102/BU/5	19721174	
A9317	2	19725472	19719863	Y01/2	26210278	0,5	1280	WH	X102/BU/6	19721174	
W12	1	19721174		X98/BU/1	26210278	0,5	960	WH	B31/1	19719186	19719246
W12	2	19721174		X98/BU/2	26210278	0,5	960	WH	B31/3	19719186	19719246
W12	3	19721174		X98/BU/3	26210278	0,5	960	WH	B31/2	19719186	19719246
W12	4	19721174		X98/BU/4	26210278	0,5	1365	WH	B32/1	19725613	19719863
W12	5	19721174		X98/BU/5	26210278	0,5	1365	WH	B32/2	19725613	19719863
W12	6	19721174		X98/BU/6	26210278	0,5	1365	WH	B32/4	19725613	19719863
W12	7	19721174		X98/BU/7	26210278	0,5	1365	WH	B32/3	19725613	19719863

1	/.	4105-17	03.09.19	DK	2019	date	name	CM1650		<b>Kabelbaum W12 (Motor)</b>		
					drawn	01.01.	DK	replaced by : same no.				
					check			rev. No. : 4100-04		Hako GmbH D-23840 Bad Oldesloe	type : 1491	<b>97152680</b>
No.	changed wire/Sub-No.	Rev.-No.	date	name								

Material: 97152680 wire harness W12

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Change Number: 4105-17

Material	Item	Line	Component	Object description	Material Description	Comp. Qty (CUn)	Un	Internal Comment
97152680	10	1	<b>19718501</b>	BU-Kont. BDK 2,8 (0,5-1,0) vergold.	socket-cont.BDK 2,8 (0,5-1,0) gold-plat.	6	PC	
97152680	10	2						Fa. Bosch Nr. 1 928 498 054
97152680	20	1	<b>19718543</b>	BU-Gehäuse 4-pol MCP 2.8 Code A	female-housing 4-pole MCP 2.8 Code A	1	PC	
97152680	20	2						Fa. TE Nr.1-1418390-1
97152680	30	1	<b>19719186</b>	BU-Kont. BDK 2,8 (0,5-1,0)	socket-cont. BDK 2,8 (0,5-1,0)	3	PC	
97152680	30	2						Fa. Bosch Nr. 1 928 498 056
97152680	40	1	<b>19719246</b>	Dichtung BL (1,2-2,1) BDK 2,8	wire seal BU (1,2-2,1) BDK 2,8	9	PC	
97152680	40	2						Fa. Bosch Nr. 1 928 300 599
97152680	50	1	<b>19719384</b>	Steckergehäuse 2-polig JPT	plug body 2-pole JPT	1	PC	
97152680	50	2						B.-Nr. 963040(-3) bzw. 346305(-3)
97152680	50	3						Fa. AMP Timer Steckverbinder
97152680	60	1	<b>19719863</b>	JPT Dichtung blau	JPT sealing blue	6	PC	
97152680	60	2						Fa.AMP Nr.828904-2
97152680	70	1	<b>19721174</b>	Buchsenkontakt	bushing contact	20	PC	
97152680	70	2						Fa.Compagnie Deutsch
97152680	70	3						Nr.0462-201-16141 (Einzelkontakt)
97152680	70	4						Nr.1062-16-0622 (Bandware)
97152680	80	1	<b>19721216</b>	Buchsenkontakt	bushing contact	1	PC	
97152680	80	2						Fa.Compagnie Deutsch Nr.0462-209-16141
97152680	90	1	<b>19721455</b>	BU-Kont. SHUR PLUG (1,0-2,5)	socket-cont. SHUR PLUG (1,0-2,5)	1	PC	
97152680	90	2						Fa.TE Nr.60799-5
97152680	100	1	<b>19725472</b>	BU-Kont. JP Timer m. D. (0,5-1,0)	socket-cont. JP Timer sealed (0,5-1,0)	2	PC	
97152680	100	2						Fa. AMP Nr. 929939-3
97152680	110	1	<b>19725613</b>	BU-Kont. MCP 2.8 (0,5-1,0)	socket-con. MCP 2.8 (0,5-1,0)	4	PC	
97152680	110	2						Fa. TE Nr.1-968855-3
97152680	120	1	<b>19729532</b>	Blindstopfen 114017	plug 114017	3	PC	
97152680	120	2						Fa.Deutsch Nr.114017
97152680	130	1	<b>19729763</b>	BU-Gehäuse 2-pol DT06-2S-CE06	female-housing 2-pole DT06-2S-CE06	2	PC	
97152680	130	2						Fa. Compagnie Deutsch Nr. DT06-2S-CE06
97152680	140	1	<b>19729771</b>	Arretierung W2S für DT06-2S	interlock W2S for DT06-2S	2	PC	
97152680	140	2						Fa. Compagnie Deutsch Nr. W2S-P012
97152680	150	1	<b>19730738</b>	BU-Gehäuse 8-pol AT Series	female-housing 8-pole AT Series	1	PC	
97152680	150	2						Fa.Amphenol Nr.AT06-08SA-MM01
97152680	160	1	<b>19730746</b>	BU-Gehäuse 12-pol AT Series	female-housing 12-pole AT Series	1	PC	
97152680	160	2						Fa.Amphenol Nr.AT06-12SA-MM01
97152680	170	1	<b>19730779</b>	Arretierung AW8S für AT06-08SA	interlock AW8S for AT06-08SA	1	PC	
97152680	170	2						Fa.Amphenol Nr. AW8S
97152680	180	1	<b>19730787</b>	Arretierung AW12S für AT06-12SA	interlock AW12S for AT06-12SA	1	PC	
97152680	180	2						Fa.Amphenol Nr. AW12S
97152680	190	1	<b>19730811</b>	Schutzkappe 8-pol AT Series NW10/180°	protect. cap 8-pol AT Series NW10/180°	1	PC	
97152680	190	2						Fa.Amphenol Nr. ATBS8-8-NC12
97152680	200	1	<b>19730829</b>	Schutzkappe 12-pol AT Series NW13/180°	protect. cap 12-pol AT Series NW13/180°	1	PC	

Material: 97152680 wire harness W12

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Change Number: 4105-17

Material	Item	Line	Component	Object description	Material Description	Comp. Qty (CUn)	Un	Internal Comment
97152680	200	2						Fa.Amphenol Nr.ATBS8-12-NC16
97152680	210	1	<b>19730878</b>	BU-Gehäuse 3-pol Kompakt 1.1a Code 1	female-housing 3pol Kompakt 1.1a Code 1	3	PC	
97152680	210	2						Fa. Bosch Nr. 1 928 403 966
97152680	220	1	<b>25856014</b>	Schrumpfsch. 4,5x1-PE 3:1 trans.m.Kleber	heat shrink tube 4,5x1-PE 3:1 tran.glu	0,12	M	
97152680	220	2						Fa. Thulesius Nr. Z85527
97152680	220	3						Meterware
97152680	230	1	<b>25856113</b>	Schrumpfschlauch 4,8x0,5-PVC 2:1 sw	heat shrink tube 4,8x0,5-PVC 2:1 black	0,02	M	
97152680	230	2						Fa. Thulesius Nr.Z85952
97152680	240	1	<b>25857020</b>	Wellschlauch NW4,5 PPmod UFW geschlitzt	Corrugated tube NW4,5 PPmod UFW slit	1,01	M	
97152680	240	2						Fa. Schlemmer Nr. 1949304
97152680	250	1	<b>25857061</b>	Wellschlauch NW7,5 PPmod UFW geschlitzt	corrugated tube	1,85	M	
97152680	250	2						Fa. Schlemmer Nr. 1949307
97152680	260	1	<b>25857384</b>	Wellschlauch NW10 PPmod UFW ungeschl.	Corrugated tube NW10 PPmod UFW unslit	0,04	M	
97152680	260	2						Fa. Schlemmer Nr. 1949210
97152680	270	1	<b>25857392</b>	Wellschlauch NW13 PPmod UFW ungeschl.	Corrugated tube NW13 PPmod UFW unslit	0,45	M	
97152680	270	2						Fa. Schlemmer Nr. 1949213
97152680	280	1	<b>25857434</b>	Wellschlauch NW13 PPmod UFW geschlitzt	Corrugated tube NW13 PPmod UFW slit	0,28	M	
97152680	280	2						Fa. Schlemmer Nr. 1949313
97152680	290	1	<b>26210252</b>	PVC-Fahrzeugleitung FLRY-B 1x1,5 weiss	PVC-automotive cable FLRY-B 1x1,5 white	1,66	M	
97152680	290	2						Fa. NKT Art.: AP040015BNNNNAN
97152680	290	3						
97152680	290	4						DIN 72551 / ISO6722 FLRY-B
97152680	300	1	<b>26210278</b>	PVC-Fahrzeugleitung FLRY-B 1x0,5 weiss	PVC-automotive cable FLRY-B 1x0,5 white	22,25	M	
97152680	300	2						Fa. NKT Art.: AP040005BNNNNAN
97152680	300	3						
97152680	300	4						DIN 72551 / ISO6722 FLRY-B
97152680	310	1	<b>90471038</b>	T-Verteiler 13-4,5-10	T-junction 13-4,5-10	1	PC	
97152680	310	2						Fa.Schlemmer Nr.9806127
97152680	320	1	<b>90471053</b>	Schutzkappe JPT2-NW4,5	protection cap JPT2-NW4,5	1	PC	
97152680	320	2						Schutzkappe AMP2-JPT-B-NW4,5-45
97152680	320	3						Fa.Schlemmer Nr.7807075
97152680	330	1	<b>90504085</b>	T-Verteiler 7,5-4,5-4,5	T-junction 7,5-4,5-4,5	2	PC	
97152680	330	2						Fa.Schlemmer Nr.9806125
97152680	340	1	<b>90520222</b>	T-Verteiler 13-7,5-13	junction 13-7,5-13	2	PC	
97152680	340	2						Fa.Schlemmer Nr.9806158
97152680	350	1	<b>90524414</b>	T-Verteiler 17-13-13	T-junction 17-13-13	1	PC	
97152680	350	2						Fa.Schlemmer Nr.9806166
97152680	360	1	<b>90524448</b>	Y-Verteiler 17-17-10		1	PC	
97152680	360	2						Fa. Schlemmer Nr. 9817309
97152680	370	1	<b>90636895</b>	Einlegereduzierung 13-10	Reducer 13-10	1	PC	
97152680	370	2						Fa. Schlemmer Nr. 7807280
97152680	370	3						

Material: 97152680 wire harness W12

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Change Number: 4105-17

Material	Item	Line	Component	Object description	Material Description	Comp. Qty (CUn)	Un	Internal Comment
97152680	380	1	<b>90636903</b>	Einlegereduzierung 13-7,5	reducer 13-7,5	2	PC	
97152680	380	2						Fa. Schlemmer Nr. 7807278
97152680	380	3						
97152680	390	1	<b>90636911</b>	Einlegereduzierung 17-13	reducer 17-13	2	PC	
97152680	390	2						Fa. Schlemmer Nr. 7807283
97152680	390	3						
97152680	400	1	<b>90638313</b>	Befestigungsclip Wellschlauchverteiler	clip for corrugated hose distributor	2	PC	
97152680	400	2						Fa. ARaymond Nr. 017530.000
97152680	410	1	<b>90639121</b>	Halter Wellschlauch NW7,5	retainer	1	PC	
97152680	410	2						Fa. Schlemmer Nr. 9805963
97152680	420	1	<b>90471020</b>	T-Verteiler 17-4,5-17	T-Manifold 17-4,5-17	1	PC	
97152680	420	2						Fa.Schlemmer Nr.9806161
97152680	430	1	<b>90639618</b>	Wellrohrclips 4,5	clips	2	PC	
97152680	430	2						Fa.Schlemmer
97152680	430	3						Nr.9805935
97152680	440	1	<b>90639626</b>	Wellrohrclips 7,5	clips	2	PC	
97152680	440	2						Fa.Schlemmer
97152680	440	3						Nr.9805936
97152680	450	1	<b>90647181</b>	Kabeltülle 3polig gerade	cable sleeve 3pol	3	PC	
97152680	450	2						Bosch
97152680	450	3						1 928 300 527
97152680	460	1	<b>90665639</b>	Verbindung 90° Winkel NW13	connection 90° angle NW13	1	PC	
97152680	460	2						Fa. Schlemmer Nr. 7807399