



Section n °11

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Section n°11 - Tools

HAND TOOL "F" CRIMP WITHOUT SINGLE WIRE SEAL



11.1 Crimping Plier Manual F

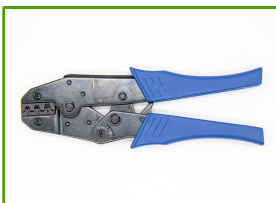
Code	Wire Size Range (mm2)	Application
3974	0,50 - 6,00	terminals with F crimping



11.2 Professional Hand Tool "F" Crimp without Single Wire Seal Vertical Handle

NOTE: ex code 3975.

Code	Wire Size Range (mm2)	Application
3991	0,15 - 1,50	contacts without single wire seal



11.3 Hand Tool for Preinsulated Contacts

Code	Wire Size Range (mm2)	Application
9049	0,50 - 6,00	contacts without single wire seal



11.4 Professional Hand Tool "F" Crimp without Single Wire Seal Orizontal Handle

Code	Wire Size Range (mm2)	Application
3987	1,50-6,0	contacts without single wire seal

HAND TOOL "F" CRIMP WITH SINGLE WIRE SEAL



11.5 Professional Hand Tool "F" Crimp for Contacts with Single Wire Seal

Code	Wire Size Range (mm2)	Application
3976	0,35 - 1,50	contacts with single wire seal



11.6 Locators for Hand Toll with Single Wire Seal

Code 3980 SERIAL

Code	Wire Size Range (mm2)	Application
3982	0,35 - 1,50	AMP MCP contacts
3978	0,35 - 1,50	JPT contacts
3980	0,35 - 1,50	SUPERSEAL contacts

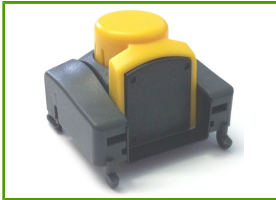
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HAND TOOL FOR OVERLAP TERMINAL WITHOUT SINGLE WIRE SEAL



11.7 Professional Hand Tool for MQS OVERLAP Contacts

Code	Wire Size Range (mm ²)	Application
3995	0,35 - 0,75	overlap contacts with single wire seal



11.8 Locators for OVERLAP Hand Tools without Single Wire Seal

Code 3981 SERIAL

Code	Wire Size Range (mm ²)	Application
3981	0,35 - 0,75	MQS contacts
3992	0,35 - 0,75	CP 0,6 contacts
3993	0,35 - 0,75	MICROPOWER TIMER contacts

HAND TOOL FOR OVERLAP TERMINAL WITH SINGLE WIRE SEAL



11.9 Professional Hand Tool for OVERLAP Contacts with Single Wire Seal

Code	Wire Size Range (mm ²)	Application
3989	0,50 - 1,50	overlap contacts with single wire seal



11.10 Locators for OVERLAP Hand Tools with Single Wire Seal

Code 3989/2 SERIAL

Code	Wire Size Range (mm ²)	Accessory Contacts	Application
3989/1	0,50 - 1,50	5184 -5195 - 964274/2 - 962876/5	MICRO POWER TIMER contacts with single wire seal
3989/2	0,50 - 1,50	3415-3416	AMP MCP 1,5 contacts
3989/3	0,50 - 1,50	962885/1	MQS contacts with single wire seal
3989/4	0,50 - 1,50	1452668/1	MCON 1,2 contacts

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HAND TOOL FOR PREINSULATED CONTACTS



11.11 Hand Tool Professional for Preinsulated Contacts

Code	Wire Size Range (mm ²)	Application
9007	0,50 - 6,00	preinsulated contacts until 6 mmq

HAND TOOL FOR POWER CONTACTS



11.12 Hand Tool for 10-25 mmq Wire Size Rang Contacts

Code	Wire Size Range (mm ²)	Application
3985	10-25	ring tongues power contacts 10-25 mmq



11.13 Hand Tool for 10-95 mmq Wire Size Range Contacts

Code	Wire Size Range (mm ²)	Application
9038	10-95	ring tongues power contacts until 95 mmq

SCISSORS & WIRE STRIPPERS



11.14 Wire Stripper EMBLA VBC

Code	Wire Size Range (mm ²)
3977	0,15 - 6,00



11.15 Scissors SC3X

Code	Raw Material
91263	inox



11.16 Professional Wire Cutting

Code	Wire Size Range (mm ²)	Application
3986	0,35 - 90	for cables of section up to 90 sq. mm

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EXTRACTION TOOLS FOR CONTACTS



11.17 Extraction Tools for MINI-ATO Fuse

Code	Application
2849	mini - ato fuse



11.18 Extraction Tool for Signal Contacts

Code	Notes	Application
20016	preheating unit; ABS	TYCO MQS; KOSTAL; ABS connectors; BOSCH MATRIX 1,2



11.19 Extraction Tool for MOLEX Spades Contacts

Code	Notes	Application
21012	head light	DELPHI contact 90° 3,8, DELPHI lamp socket; ATO fuse holders 281990/2



11.20 Extraction Tool for LEAR MKR / MKS Contacts

Code	Notes	Application
21054	sectioning; diagnostics; headlights	LEAR (G & H) series MKR / MKS



11.21 Extraction Tool for SUPERSEAL 0,7 - ECONOSEAL 150 Contacts

Code	Notes	Application
22006	dashboard, car inside and engine sensor	TYCO Superseal 0,70, Econoseal 150, AMP MCP 1,5, ML 0,7; MOLEX NSCC 1,5



11.22 Extraction Tool for SICMA M II - III Contacts

Code	Notes	Application
23036	Air Bag and car inside	FCI Sigma tab contact series II and III



11.23 Extraction Tool for JPT SPT - DCS - AFK - DFK - ATS - DSQ Contacts

Code	Notes	Application
24000	preheating unit and sensor engine, ABS	TYCO series JPT, SPT; FCI series DCS 1/2; LEAR AFK/DFK 2,8; DELPHI ATS/DSQ 2,8, BOSCH SDK 2,8

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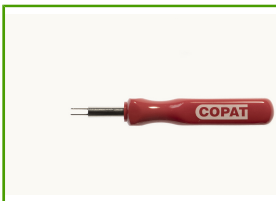
11.24 Extraction Tool for CLEAN BODY 1,5 Contacts

Code	Notes	Application
24004	preheating unit interconnection Iveco	TYCO Clean Body MQS 1,5



11.25 Extraction Tool for 4 Springs BOSCH BSK / BDK 2,8 Contacts

Code	Notes	Application
24006	Bosch injection system common rail	AMP MCP 2,8 (4 springs contact) BOSCH BSK / BDK 2,8



11.26 Extraction Tool for MOLEX CP 1,5 Contacts

Code	Notes	Application
24008	Bosch injection system common rail	MOLEX (CINCH) series CP 1,5



11.27 Extraction Tool for DEUTSCH (Blue) Contacts

Code	Notes	Application
24060	truck	DEUTSCH series DT (blue)



11.28 Extraction Tool for LEAR Serie VKR Contacts

Code	Notes	Application
24090	various	LEAR (G & H) series VKR



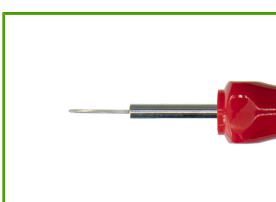
11.29 Extraction Tool for Diam. 1,5 - LEAR RSA Contacts

Code	Notes	Application
25014	diagnostic sectioning and truck lights	TYCO series diam. 1,5 e LEAR (G & H) series RSA



11.30 Extraction Tool for AMP MCP 9,5 Contacts

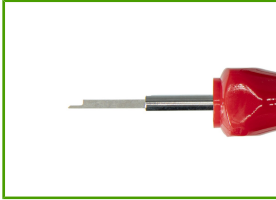
Code	Notes	Application
25030	power, preheating unit	AMP MCP 9,5; DCS I



11.31 Extraction Tool for Secondary Lock VW

Code	Notes	Application
25046	dash board, inside car	VW 1A0972695

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11.32 Extraction Tool for 81Ways Contacts

Code	Notes	Application
25060	IVECO preheating unit	TYCO Clean Body 81 ways



11.33 Extraction Tool for Airbag's FCI

Ed esaurimento scorte. Verrà sostituito dal 23036.

Code	Notes	Application
26000	Air Bag	FCI Sicma tab contact



11.34 Extraction Tool for SUB-D Connectors

Code	Application
26052	SUB-D



11.35 Extraction Tool for MOLEX MICRO FIT Contacts

Code	Notes	Application
26054	electronic equipment	MOLEX Micro fit



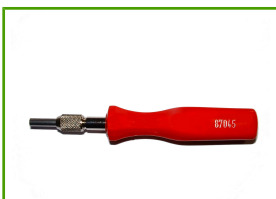
11.36 Extraction Tool for Diameter 1,2 Contacts

Code	Notes	Application
87025	truck sensors	round contact diam. 1,2



11.37 Extraction Tool for MATE-N-LOK - CPC - LEAR RSA Contacts

Code	Notes	Application
87035	door monatnte diagnostic sectioning and rear lights for Iveco	diam 1,6 Bmw, CPC and MATE-N-LOK



11.38 Extraction Tool for Diam. 3,5 - LEAR Serie Ram Contacts

Code	Notes	Application
87045	ABS	TYCO series diam. 3,5 e LEAR (G & H) series RAM



11.39 Extraction Tool for Diam. 2,3 Contacts

Code	Notes	Application
87048	truck sensors	round contact diam. 2,3

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11.40 Extraction Tool for ITT CANNON Diam 2,5 Contacts

Code	Notes	Application
87050	truck sensors	ITT CANNON series diam. 2,5



11.41 Extraction Tool for Diam. 4 Contacts

Code	Notes	Application
87065	ABS	TYCO series diam. 4,0



11.42 Extraction Tool for JPT - SPT - DCS - AFK - ATS - DSQ Contacts

Code	Notes	Application
88040	dash board, inside car and sensor engine	TYCO series JPT, SPT; FCI series DCS 1/2; LEAR AFK / DFK 2,8; DELPHI ATS / DSQ 2,8; BOSCH BDK 2,8



11.43 Extraction Tool for MQS - SENSOR CONTACT 150 - AFK- DFK Contacts

Code	Notes	Application
88069	TYCO MQS, Sensor Contact 150; LEAR AFK and DFK 1,5	TYCO MQS, Sensor Contact 150; LEAR AFK and DFK 1,5



11.44 Extraction Tool for Contact

Code	Notes	Application
88070	dash board, inside car and sensor engine	TYCO SPT 6,3, G & H AFK



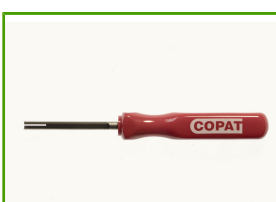
11.45 Extraction Tool for JPT 2,8 Contacts

Code	Notes	Application
88073	dash board, inside car and sensor engine	TYCO JPT 2,8



11.46 Extraction Tool for Contact - Fastin/On 6,3 - Mic

Code	Notes	Application
88074	various	for all contactcs FASTON, FASTIN/ON 6,3 and TYCO MIC



11.47 Extraction Tool for DEUTSCH Yellow Serie Contacts

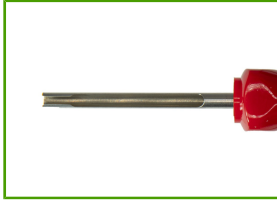
Code	Notes	Application
90014	truck	SIZE 12 DEUTSCH yellow series

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11.48 Extraction Tool for DEUTSCH Red Serie-Souriau Utp / Utg Contacts

Code	Notes	Application
90015	truck	SIZE 20 DEUTSCH red series and SOUPIAU series UTP / UTG



11.49 Extraction Tool for DEUTSCH Green Serie Contacts

Code	Notes	Application
90016	truck	SIZE 16 DEUTSCH green series



11.50 Extraction Tool for per Terminali MQS - 0,40 - ELO

Code	Notes	Application
90207	dashboard, air bag	TYCO MQS 0,40 Elo



11.51 Extraction Tool for TYCO MICRO TIMER II - III DSQ Contacts

Code	Notes	Application
93006	dashboard, engine sensor	TYCO serie MICRO TIMER II-III; DELPHI DSQ 1,5; FEP



11.52 Extraction Tool for MPT - DUCON 9,5 - DCS Contacts

Code	Notes	Application
93007	power and preheating unit	TYCO Maxi Power Timer 9,5, DELPHI Ducon 9,5, FCI DCS 1 9,5



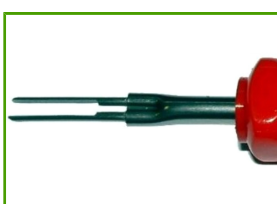
11.53 Extraction Tool for Diam. 4 Contacts

Code	Notes	Application
93010	truck sensor	round contacts diam.4



11.54 Extraction Tool for MOLEX MINI FIT Contacts

Code	Notes	Application
94210	electronic equipment	MOLEX mini fit



11.55 Extraction Tool for KOSTAL LSK 2,8 Contacts

Code	Notes	Application
96600	dash board, inside car and sensor engine	KOSTAL LSK 2,8

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11.56 Extraction Tool for MP 150 / 280 - GT150/280 - ECO POWER Contacts

Code	Notes	Application
97028	dashboard, car inside e sensor engine	for contacts DELPHI Metripack 150 / 280, GT 150 / 280, 150MP / SS; TYCO: Elo Power; HARTING: conn. 64 ways rail



11.57 Extraction Tool for UML Contacts

Code	Application
97043	UNIVERSAL MATE-N-LOK



11.58 Extraction Tool for MOLEX CP 0,6 Contacts

Code	Notes	Application
97046	Bosch injection system common rail	for contacts MOLEX (CINCH) series CP 0,6



11.59 Extraction Tool for DELPHI DUCON 4,8 / 6,3 Contacts

Code	Notes	Application
98086	power and preheating unit	DELPHI Ducon 4,8 / 6,3



11.60 Extraction Tool for JPT 2,8 Contacts

Code	Notes	Application
99014	dashboard, car inside and sensor engine	TYCO JPT 2,8, BOSCH BTL 2,8



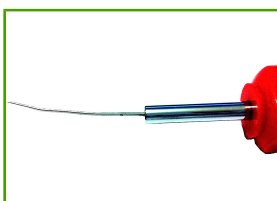
11.61 Extraction Tool for SICMA I Contacts

Code	Notes	Application
99022	car inside	for tab contacts FCI SICMA I



11.62 Extraction Tool for SICMA II & III Conatcts

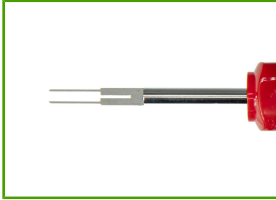
Code	Notes	Application
99032	Air bag, car inside	FCI Sicma female II and III



11.63 Extraction Tool for 1/1703498/3 Connector

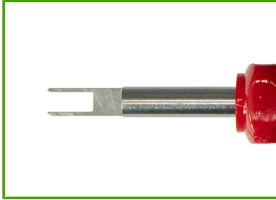
Code	Application
121600	connector 1/1703498/3

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11.64 Extraction Tool for MICRO TIMER II - III DSQ Contacts

Code	Notes	Notes 2	Application
132225	dashboard, electronic preheating unit	(EX 93005)	TYCO series MICRO TIMER II - III, DELPHI DSQ 1,5; FEP 1,5, BOSCH BMK 0,6



11.65 AMP MCP 6.3 Terminal Puller; MCON 1.2

Code	Application
132381	AMP MCP 6,3; MCON 1,2



11.66 Extraction Tool for SICMA II & OBD II Contacts

Code	Notes	Application
210041	diagnostic equipment	FCI Sicma II and OBD II

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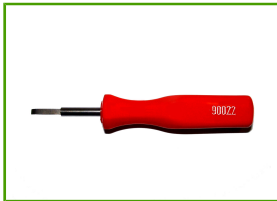
INSERTION TOOLS



11.67 MICRO TIMER Insertion Tool

Code	Application
98112	insertion tools for Micro Timer contacts

EXTRACTION TOOLS FOR SECONDARY LOCK AND COVER



11.68 Extraction Tool for MTA F800 - F950 Connector & DELPHI Secondary Lock 16 Ways Connector

Code	Notes	Application
90022	power connections and power holdfuses	MTA series F800 / F950; DELPHI Secondary Lock connector 16 ways



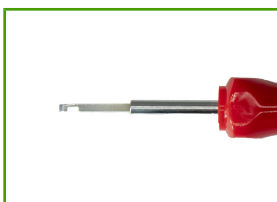
11.69 Extraction Tool for Secondary Lock SUPERSEAL - FCI SICMA

Code	Notes	Application
90026	engine compartment	sec. Lock conn. TYCO female superseal and FCI Sicma



11.70 Extraction Tool for MP 480 / 360 Connector & Positive Lock + Secondary Lock

Code	Notes
90028	engine compartment



11.71 Extraction Tool for per Secondary Lock

Code	Notes	Application
90030	varius	for secondary lock

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TESTING TOOLS



11.72 Testin Kit

Note: this kit included all items here below:

40001-40002-40003-40004-40005-40006-40010-40012-40013.

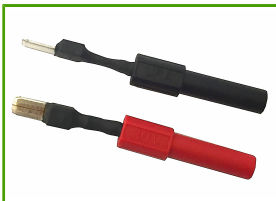
Code	Kit Code
40000	40000



11.73 Pair of test leads

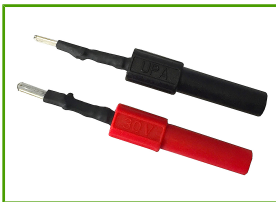
Note: the test leads are developed in order to interchange all pair of probes here below: 40001-40002-40003-40004-40005-40006-40010-40012-40013.

Code
40012



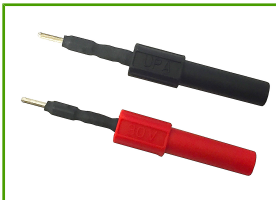
11.74 Pair of Red / Black Probes

Code	Contact Size
40001	6,3 x 0,8



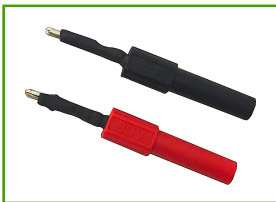
11.75 Pair of Red / Black Probes

Code	Contact Size
40002	2,8-3,0 x 0,8



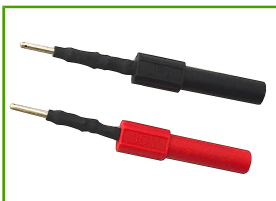
11.76 Pair of Red / Black Probes

Code	Contact Size
40003	4,8-5,2-6,3 x 0,8



11.77 Pair of Red / Black Probes

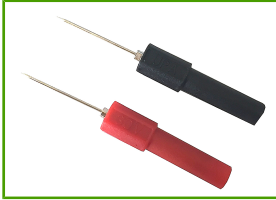
Code	Contact Size
40004	DIAM. 2,5



11.78 Pair of Red / Black Probes

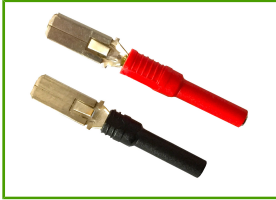
Code	Contact Size
40005	DIAM. 1,6

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11.79 Pair of Red / Black Spiked Version

Code	Contact Size
40006	1-1,2-1,6-1,08 x 0,64



11.80 Pair of Red / Black Probes

Code	Contact Size
40013	9,5 x 0,8



11.81 Crocodile Clip

NOTE: body ground application.

Code
40010



11.82 CAR LIGHT TESTER 6-24V

Code	Volt	Notes
40014	6-24	Pipe length 850 mm

Section n°11 - Tools

OTHER TOOLS



11.83 Gas Diffuser

Code	Application
3002	reheating heat shrincable



11.84 Retractor for Open Convulted Tube

Code	Notes
7077	for all open convulted tube



11.85 Rechargeable LED lamps

Code	Model	Socket	Lumen	Notes	Notes 2	LED Light
2107	-	Magnetic and hook fixing	250	autonomy 3 h, recharge 4 h	220V power supply + USB cable	-
2110	articulated base	magnetic fixing and with hook	800	autonomy 4 h, recharge 6 h	rechargeable lithium-ion battery 3,7V 4400 mAh	5W + 4x1W SMD



11.86 Hand Tool for constant velocity universal joint

Code	Application
529	tightening clamps for constant velocity joints (codes 118 and 122)

DISPLAY TROLLEY



11.87 Display Trolley for Coil Cables

NOTE: for the kind of cable see our section 8.

Code
31000