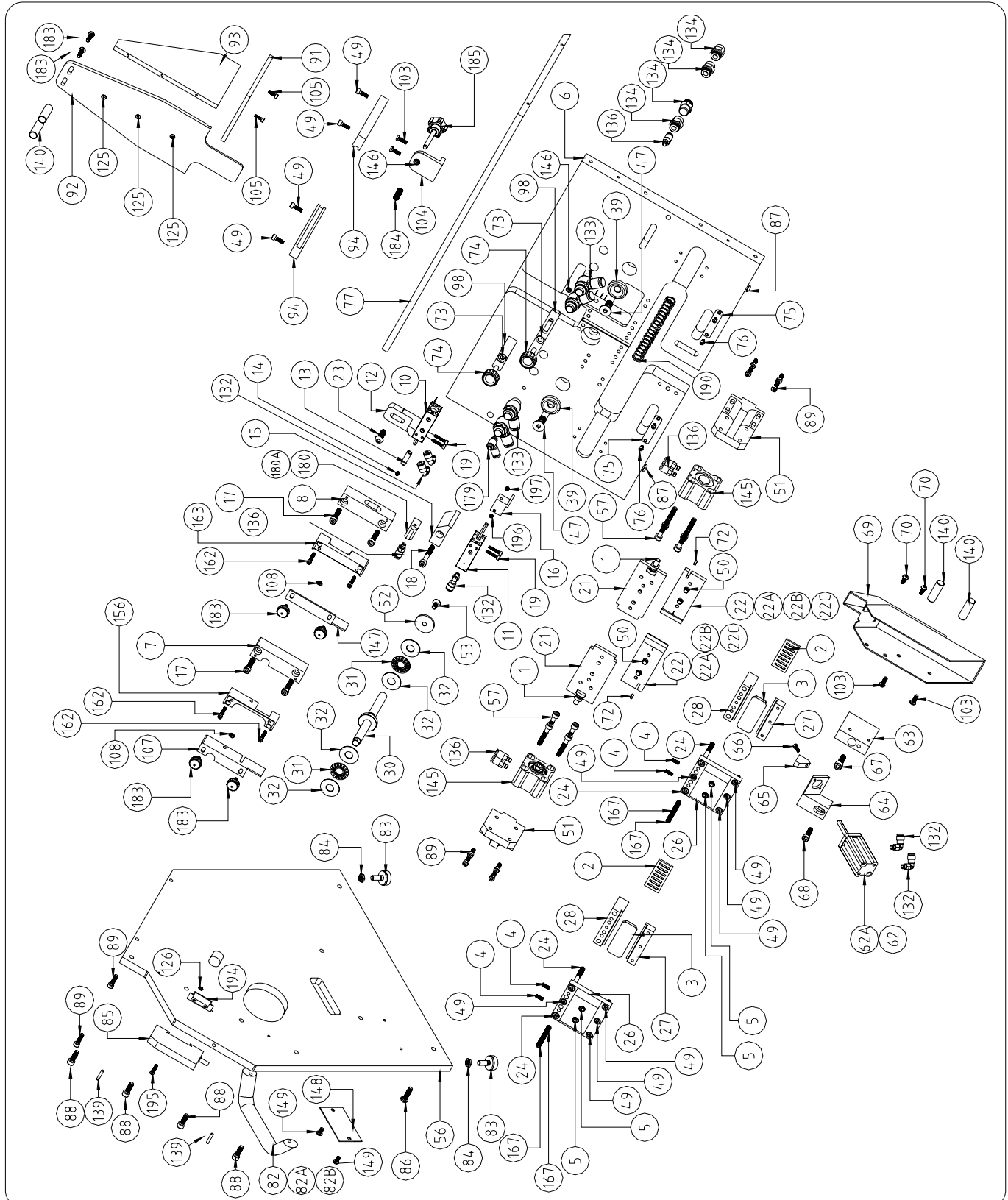


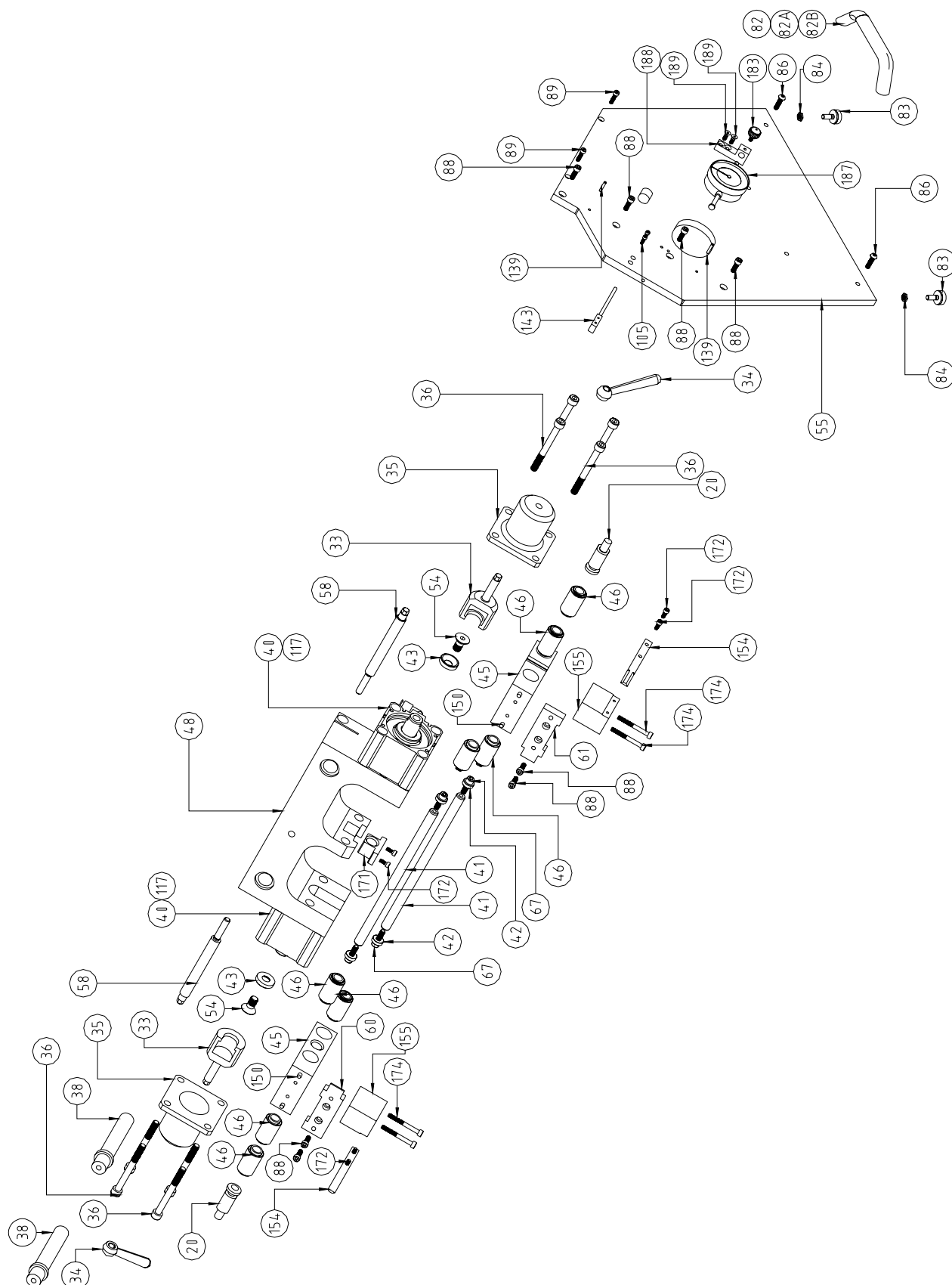
11.1 WARNING FOR THE CUSTOMER

Before ordering any particular spare part, it is always necessary to specify the serial number of the machine to which the part shall fit.

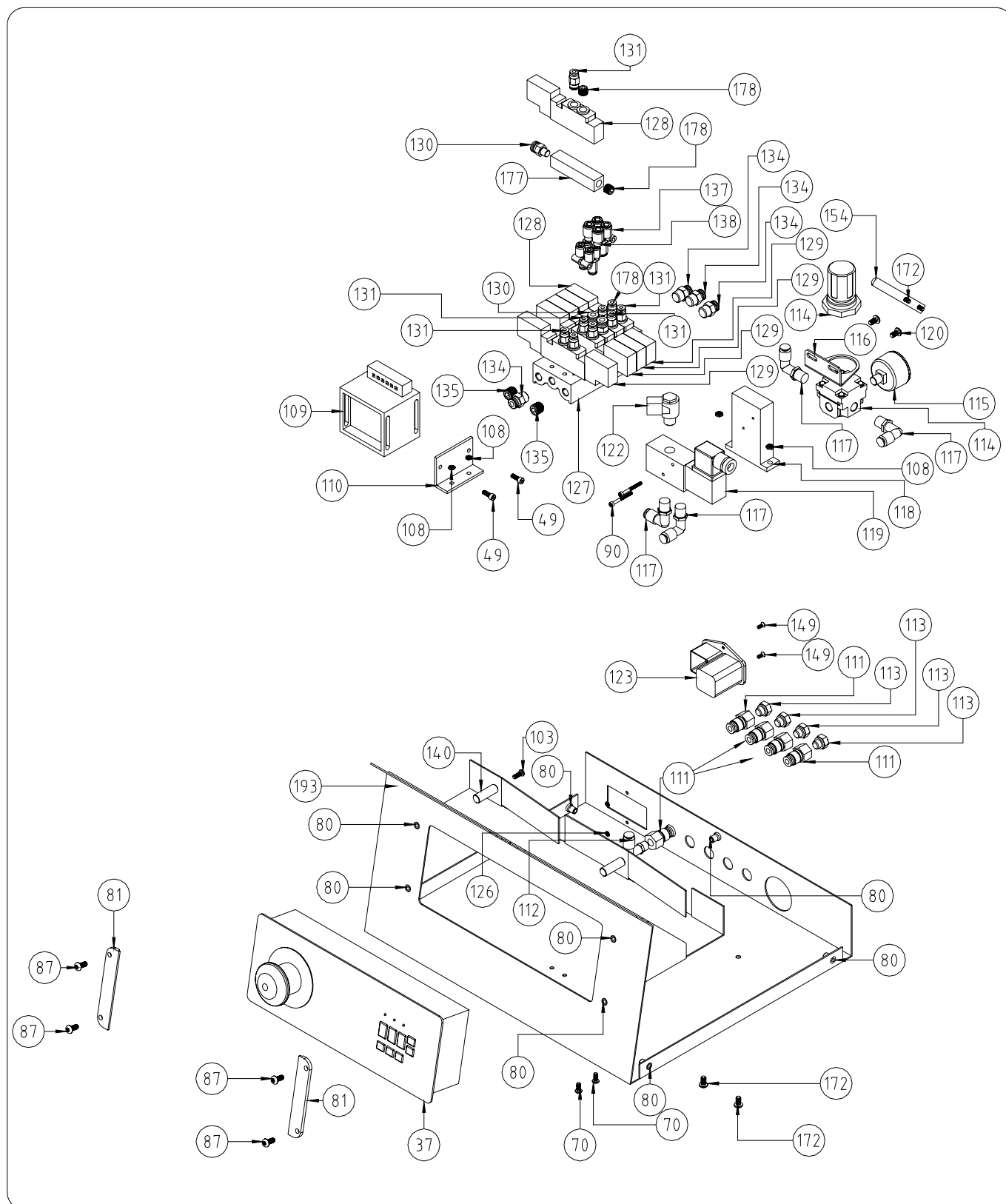
11.2A DETAILED DRAWING OF 13.OL02 TP/TO-CF/2 PREFORMING MACHINE FOR TRANSISTORS IN TUBE (TO126-TO220-TO218) 220V NO DIE LEFT SIDE, TUBE HOLDER, COMPONENTS INSERTION AND WIRE HOLDER



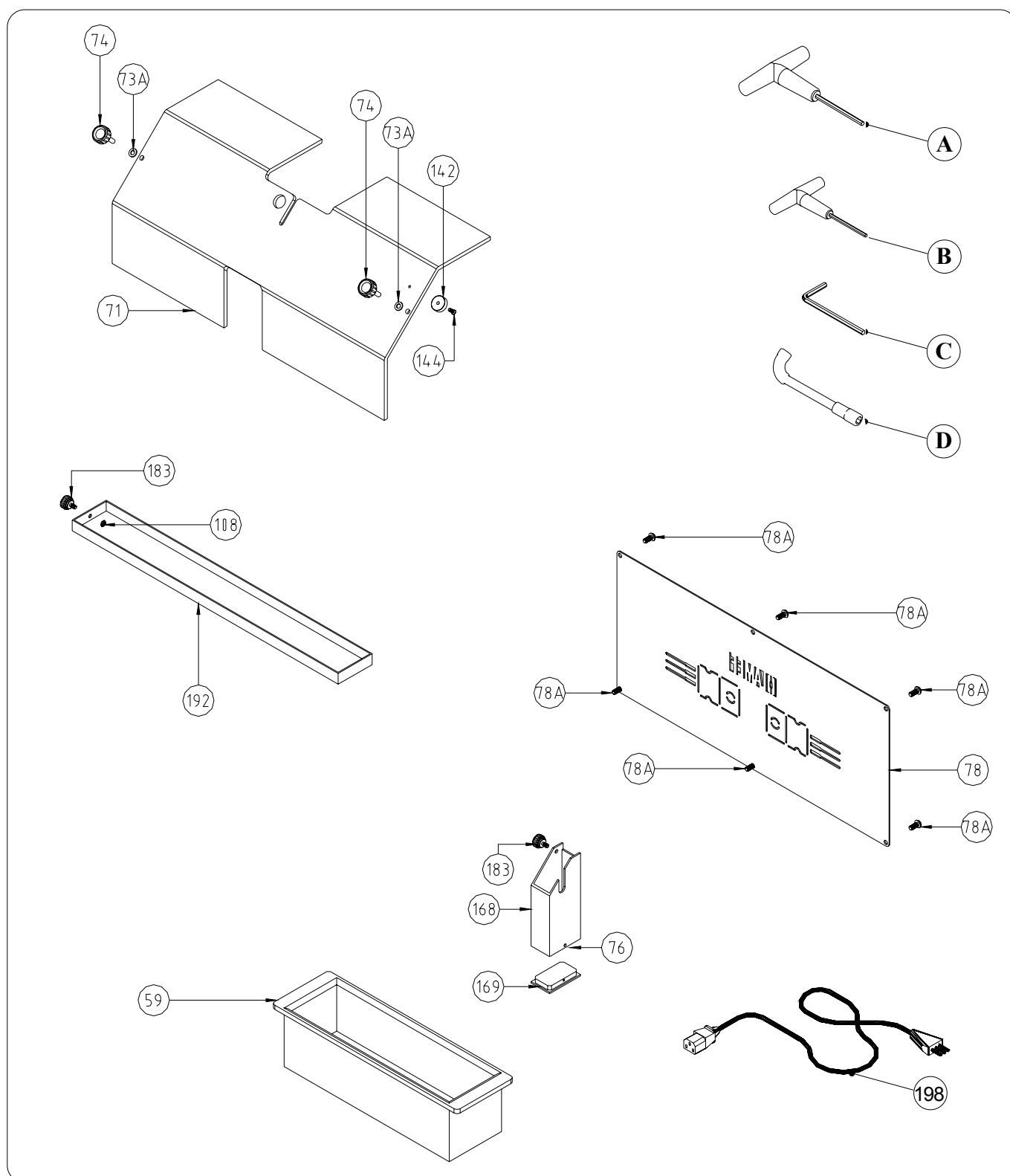
11.2B DETAILED DRAWING OF 13.OL02 TP/TO-CF/2 PREFORMING MACHINE FOR TRANSISTORS IN TUBE (TO126-TO220-TO218) 220V NO DIE ASSEMBLY RIGHT SIDE AND DIE ASSEMBLY



11.2C DETAILED DRAWING OF 13.OL02 TP/TO-CF/2 PREFORMING MACHINE FOR TRANSISTORS IN TUBE (TO126-TO220-TO218) 220V NO DIE CONTROL PANEL, ELECTRIC VALVE ASSEMBLY AND TRANSFORMER



11.2D DETAILED DRAWING OF 13.OL02 TP/TO-CF/2 PREFORMING MACHINE FOR TRANSISTORS IN TUBE (TO126-TO220-TO218) 220V NO DIE SAFETY COVERS, BINS AND ADJUSTMENT TOOLING



11.2.1 READING KEY FOR DETAILED DRAWING OF 13.OL02 TP/TO-CF/2 PREFORMING MACCHINE FOR TRANSISTORS IN TUBE (TO126-TO220-TO218) 220V NO DIE

POS.	Q.TY	CODE	DESCRIPTION
1	2	130016	MALE JOINT M6
2	2	122114	FLAT CAGE FOR DIE SLIDING TP/TO-CF
3	2	122115	PLATE FOR FLAT CAGES SLIDING TP/TO-CF
4	4	122116	SET SCREW M4X10 TP/TO-CF
5	4	120135	PP SCREW M8X10 TP/TO-CF
6	1	130001	BASE PLATE TP/TO-CF
7	1	130002	LEFT GUIDE FOR INSERTION, SEPARATION AND RELEASE OF COMPONENTS
8	1	130003	RIGHT GUIDE FOR INSERTION, SEPARATION AND RELEASE OF COMPONENTS
10	1	130004	SMC CYLINDER CDU10-10D, MAGNETIC 10mm STROKE 10mm. (SEPARATOR)
11	1	130005	SMC CYLINDER CDU10-10T (INSERTION, RELEASE)
12	1	130006	SUPPORT FOR COMPONENTS SEPARATOR CYLINDER
13	1	130007	PIN ON COMPONENTS SEPARATOR CYLINDER
14	1	GRPP0305	SCREW PP M3X5
15	1	130008	SUPPORT FOR COMPONENTS INSERTION AND RELEASE CYLINDER
16	1	130009	SMALL BLOCK FOR COMPONENTS INSERTION AND RELEASE
17	4	900019	CAP SCREW M5X25
18	1	150511	CAP SCREW M5X40
19	4	750116INOX	CAP SCREW INOX M3X16
20	2	340104	JOINT TP/LN-500
21	2	130017	WIRE HOLDER CONNECTION
22	2	130018	RIGHT AND LEFT WIRE HOLDER
22A	4	760179	PARALLEL PIN D. 4X8
22B	2	SPCI0320	PARALLEL LIN D. 3X20
22C	2	500018	SCREW PP M4X4 UNBRAKO
23	1	130083	SCREW TBEI M6X20
24	4	850214	SCREW TCEI M5x45
26	2	130013	BLOCKING PLATE FOR WIRE HOLDER CONNECTION
27	2	130014	BLOCKING GUIDE FOR WIRE HOLDER CONNECTION
28	2	130015	SUPPORT AND GUIDE FOR WIRE HOLDER CONNECTION
30	1	130032	HEIGHT FORMING ADJUSTER
31	2	770078	AXIAL BEARING CAGE AXK1024
32	4	770077	AXIAL THRUST BLOCK AS1024
33	2	130029	FORMING CYLINDER STROKE ADJUSTER
34	2	130030	HANDLE LEVER Eles DIN 99 CODE N. GN.10721
35	2	130028	SUPPORT FOR FORMING CYLINDER STROKE ADJUSTER
36	8	VITC0880	SCREW TCEI M8X80
37	1	9915180	P.L.C. FOR TP/TO-CF 220V MOTOR
38	2	22.0606	SLIDING SHAFT FOR CUTTING TRUCK
39	2	22.0607	WASHER FOR SHAFT CLAMP
40	2	130022	SMC CYLINDER SHORT STROKE Ø63 STROKE 15mm THROUGH STEM COD:ECQ2WB63-15D
41	2	130023	SLIDING SHAFT
42	4	130024	RIGHT SLIDING SHAFT STOP
43	2	130027	WASHER FOR SCREWS TSM10

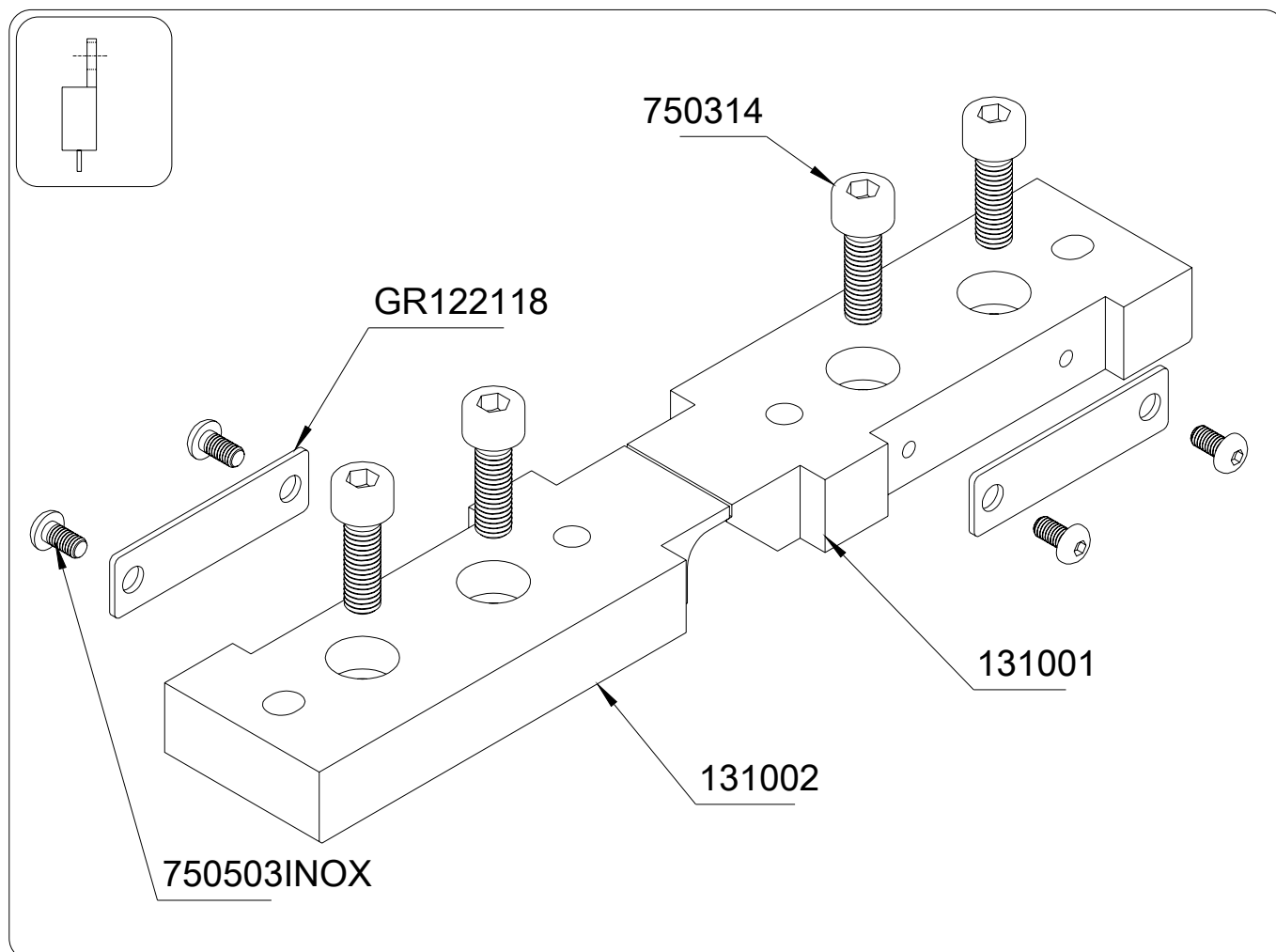
POS.	Q.TY	CODE	DESCRIPTION
45	2	130026	FORMINGDIESSUPPORT
46	8	26.0506	LINEAR BUSH BALL GUIDE 410 Ø12X35 "VICTORIA"
47	2	VITS0820	SCREW TSEIM8X20
48	1	130021	FORMINGSLIDINGSUPPORT
49	14	750107	SCREW TCEI M4X12
50	4	VITS0610	SCREW TSEIM6X10
51	2	130019	WIRE HOLDER CYLINDER SUPPORT
52	1	750256	WASHER FOR GEAR/CUTT.WHEEL/TRANS. PULLEY
53	1	750301	CS SCREW M5X12
54	2	130084	SCREW TSEI M10 X 20
55	1	130036	RIGHT SIDE PLATE
56	1	130037	LEFT SIDE PLATE
57	8	950506	CAP SCREW M5X30
58	2	130020	SIDE BLOCKING TIE-ROD
59	1	7804.676	PART BIN 3010 TP/TO-CF
60	1	131002	LEFT CONTRAST DIE STRAIGHT CUT
61	1	131001	RIGHT DIE STRAIGHT CUT
62	1	130012	SMC CYLINDER DOUBLE EFFECT ANTI ROTATION STEM
62A	2	930075	SCREW TCEI M4X20
63	1	130034	SUPPORT FOR CENTER SQUARE COMPONENT BODY ON PREFORMING
64	1	130035	CENTER SQUARE COMPONENT BODY ON PREFORMING
65	1	130033	SUPPORTING BLOCK FOR COMPONENT BODY ON PREFORMING
66	1	600033INOX	SCREW TC M3X8 INOX
67	5	950209	CAP SCREW M6X20
68	1	930074	SCREW TCEI M5X20
69	1	130011	SEPARATION CARTER BETWEEN FORMED COMPONENTS AND WASTE
70	4	420073INOX	SCREW TBEI M4X10 INOX
71	1	130039	SAFETY COVER
72	2	130040	BALL BEARING, DEEP GROOVE 2.5 x 7 x 3.5 cod:C7R725-2Zinox
73	2	600038	FLAT BLUED WASHER D.5
73A	2	740137INOX	WASHER Ø 5 /OUT 15 INOX
74	4	400210	KNOB M5X16
75	2	120172	PLATE 0-25mm TP/TO-CF
76	4	750503INOX	SCREW TBEI M3X6 STEEL
77	1	130038	BACK PLATE
78	1	130042	BACK COVER
78A	6	500070INOX	SCREW TBEI M5X8 STEEL
80	9	740153	THREADED TUBULAR RIVET M5
81	2	130043	DISPLAY FIXING BRACKET
82	2	120050	ALUMINIUM HANDLE OVAL SECTION TP/TO-CF
82A	4	400212INOX	SCREW TSEI M5X20 STEEL
82B	4	600026INOX	NUT M5 INOX
83	4	1000011	FOOT AGAINST VIBRATIONS M6 Ø18
84	4	600030INOX	NUT M6 STEEL
85	1	130076	AMPLIFIER OMRON
86	4	150107INOX	SCREW TBEI M5X20 INOX

POS.	Q.TY	CODE	DESCRIPTION
87	6	750302INOX	SCREW TBEIM5X12STEEL
88	8	500055INOX	SCREW TCEIM5X16 INOX
89	4	600027INOX	VITE TCEIM4X16 INOX
90	2	VITC0330	SCREW TCEIM3X30
91	1	130044	ADJUSTABLE PLATE FOR TUBE HOLDER
92	1	130045	TUBE HOLDER
93	1	130046	FIXING BRACKET FOR PLATE AND TUBE HOLDER
94	2	130047	DRIVING BRACKET FOR TUBE HOLDER POSITIONNING
98	2	130049	BRACKET FOR TUBE CENTERING AND FIXING
103	4	420073INOX	SCREW TBEIM4X10 INOX
104	1	130048	BRACKET
105	4	400341	SCREW TCEIM3X10
107	1	130050	LEFT COMPONENT BODY GUIDE
108	7	750108INOX	NUT M4 INOX
109	1	5350180	TRANSFORMER 115/220V FOR TP/TO-CF
110	1	120136	BRACKET FOR TRANSFORMER TP/TO-CF
111	5	120129	PASSING CONNECTOR 1/8 WITH FEMALE COUPLING KQ2E06-01 TP/TO-CF
112	1	150513	PLASTIC ELBOW CONNECTOR KQL-06-01S 90° 1/8 FOR AIR BOX
113	4	950608	SILENCER 2931 1/8
114	1	150502	AIR REGULATOR EAR2000
115	1	150503	PRESSURE GAUGE 0.10 MM FOR AIR REGULATOR
116	1	150504	SBRACKET B 220 FOR REGULATOR EAR 2000
117	8	150501	PLASTIC ELBOW CONNECTOR
118	1	130051	VALVES SUPPORT
119	1	120098	GENERAL ELECTROVALVE SMC TO/CF CODE EVP342-5Y002FA
120	2	750106INOX	SCREW TBEIM5X10 INOX
122	1	120097	2 WAYS ELBOW CONNECTOR AND OUTER HEXAGON COD KQZ06-02S TP/TO-CF
123	1	5566013	
125	3	160047	SCREWS M3x10
126	3	950704INOX	NUT M3 INOX
127	1	130052	SMC MULTIPLE BASE WITH 6 VALVES SPACE COD: SS5Y5-20-06-00F
128	2	120154	ELECTROVALVE SY5120-5Y0-01F-Q TP/TO-CF
129	4	48.0109	SMC ELECTRO VALVE SY5220-5Y0-01F-Q
130	3	950606	PIPE FITTING KQH-06-01S
131	8	160204	STRAIGHT FITTING KQH-04-01S
132	5	120126	90° CONNECTION M5 HOSE Ø4 SMC KQ2L04-M5 TP/TO-CF
133	4	350303	AIR REGULATOR EAS2200F0206 1/4 LN1000
134	8	150514	PLASTIC CONNECTOR KQH-06-02S 1/4
135	2	120153	STOPPER 1/4 2TB TP/TO-CF
136	6	930068	CONNECTION KQH04-M5 AIR EJECTION SMS
137	2	150505	PLASTIC DOUBLE AIR CONNECTOR KQU-06-00
138	2	130053	SMC Y CONNECTION NAME KQ2U04-00
139	4	850417	PARALLEL PIND.3X16
140	6	130054	SPACER
142	1	600018IT	MAGNET CL 18
143	1	600016	SENSOR FOR COVER

POS.	Q.TY	CODE	DESCRIPTION
144	1	160047INOX	SCREW TS M3x10
145	2	130055	CYLINDER SHORT STROKE DOUBLE EFFECT Ø25 STROKE 0,65mm
146	3	740151	SELF THREADING BUSHING M5 M8X1X7
147	1	130056	RIGHT COMPONENT BODY GUIDE
148	1	200102	MACHINE NUMBER PLATE 149 4 400114INOX SCREW TBEI M4X8 INOX
150	4	130085	PARALLEL PIN 6 X 16
154	2	130059	POSITIONING REFERENCE PLATE FOR RIGHT DIES
155	2	130060	SMALL BLOCK FOR DIES POSITIONING REFERENCE PLATE
156	1	130057	LEFT COMPONENT BODY GUIDE SUPPORT
162	4	600028	CAPSCREW M3X20
163	1	130058	RIGHT COMPONENT BODY GUIDE SUPPORT
167	4	GRPP0525	CAPSCREW PP M5X25
168	1	130061	WASTE BIN
169	1	130062	PLUG FOR WASTE BIN
171	1	130063	SMALL BLOCK FOR SPRING TIGHT
172	8	400117	SCREW TCEIM4X10
174	4	850214	SCREW TCEIM5x45
177	1	130066	INDIVIDUAL EJECTOR SMC cod: SY5000-39-1A-Q
178	3	900014	ALLEN CAP 1/8
179	1	900013	AIR BLOW ADJUSTER EAS1200F-M5
180	1	120139	BLOW OFF TAKE COUPLING TP/TO-CF
180A	1	750107INOX	SCREW TCEIM4X12 STEEL
183	9	500032	KNOB M4X8 (COD. SP02100-EB877) B.193/15 p-M4X8
184	1	760171	COMPRESSION SPRING 0,8X6,3H=33
185	1	510039	KNOB M5x50
187	1	130075	DIAL GAUGE Veprug C048 mesure 0-30mm
188	1	130071	DIAL GAUGE SUPPORT
189	2	770028INOX	CS SCREW M4X12 STEEL
190	1	130064	COMPRESSION SPRING 1.25 x 12.5 x 130 DIM cod.12290
192	1	130073	INNER WASTE BIN
193	1	130074	COMPLETE CONTROL PANEL FOR PROTECTION AGAINST WASTE
194	1	130077	OMRON AMPLIFIER BRACKET
195	1	400512	CAPSCREW M3X12
196	1	500018	SCREW PP M4X4 UNBRAKO
197	1	500011	SCREW PP M4X5
198	1	9994810	POWER CABLE WITH GERMAN/FRENCH PLUG 220V
ADJUSTMENT TOOLSET			
A	1	120049	ALLEN KEY mm 4 TP/TO-CF
B	1	400804	ALLEN KEY mm. 3
C	1	350308	SPANNER E 2,5
D	1	130070	ELBOWED WRENCH 8 mm
OTHER VERSIONS			
13.OL01			TP/TO-CF/1 PREFORMING MAC. FOR TRANSIST IN TUBE (TO126-TO220-TO218) 110V NO DIE
198	1	9994809	POWER CABLE WITH AMERICAN PLUG 110V.

11.3 PREFORMING DIE ASSEMBLY

11.3.1 DETAILED DRAWING OF PREFORMING DIE ASSEMBLY 131000 DIE ASSEMBLY STRAIGHT CUT TP/TO-CF

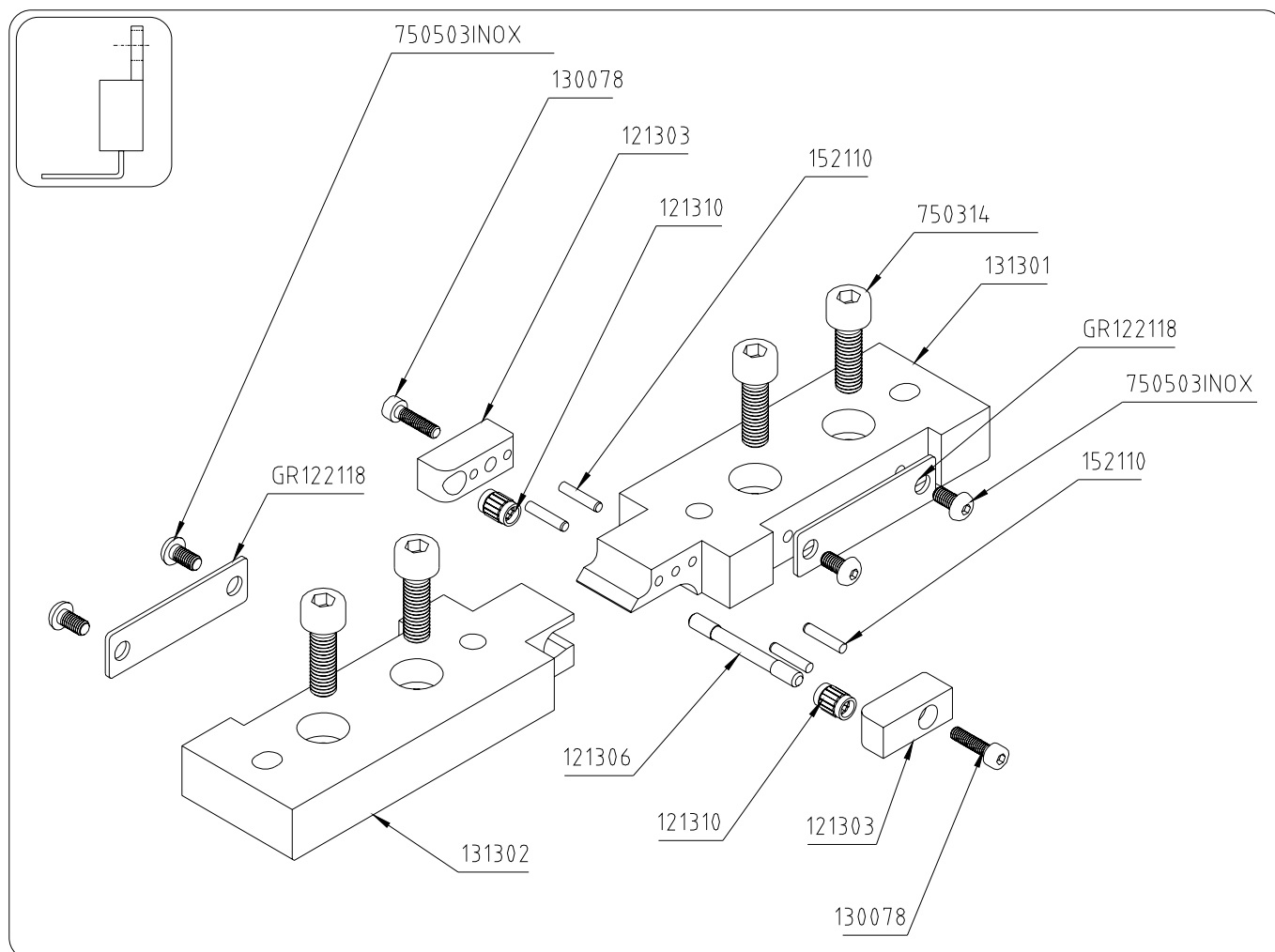


11.3.1.1 READING KEY FOR DETAILED DRAWING OF PREFORMING DIE ASSEMBLY 131000 STRAIGHT CUT TP/TO-CF

CODE	DESCRIPTION	Q.TY
131002	LEFT CONTRAST DIE STRAIGHT CUT	1
131001	RIGHT DIE STRAIGHT CUT	1
750314	CAP SCREW TCEIM5X16	4
GR122118	PLATE	2
750503INOX	SCREW TBEIM3X6 STEEL	4

11.3.2 DETAILED DRAWING OF PREFORMING DIE ASSEMBLY 131300 DIE ASSEMBLY

TO220-TO126-TO218 90° BENDING

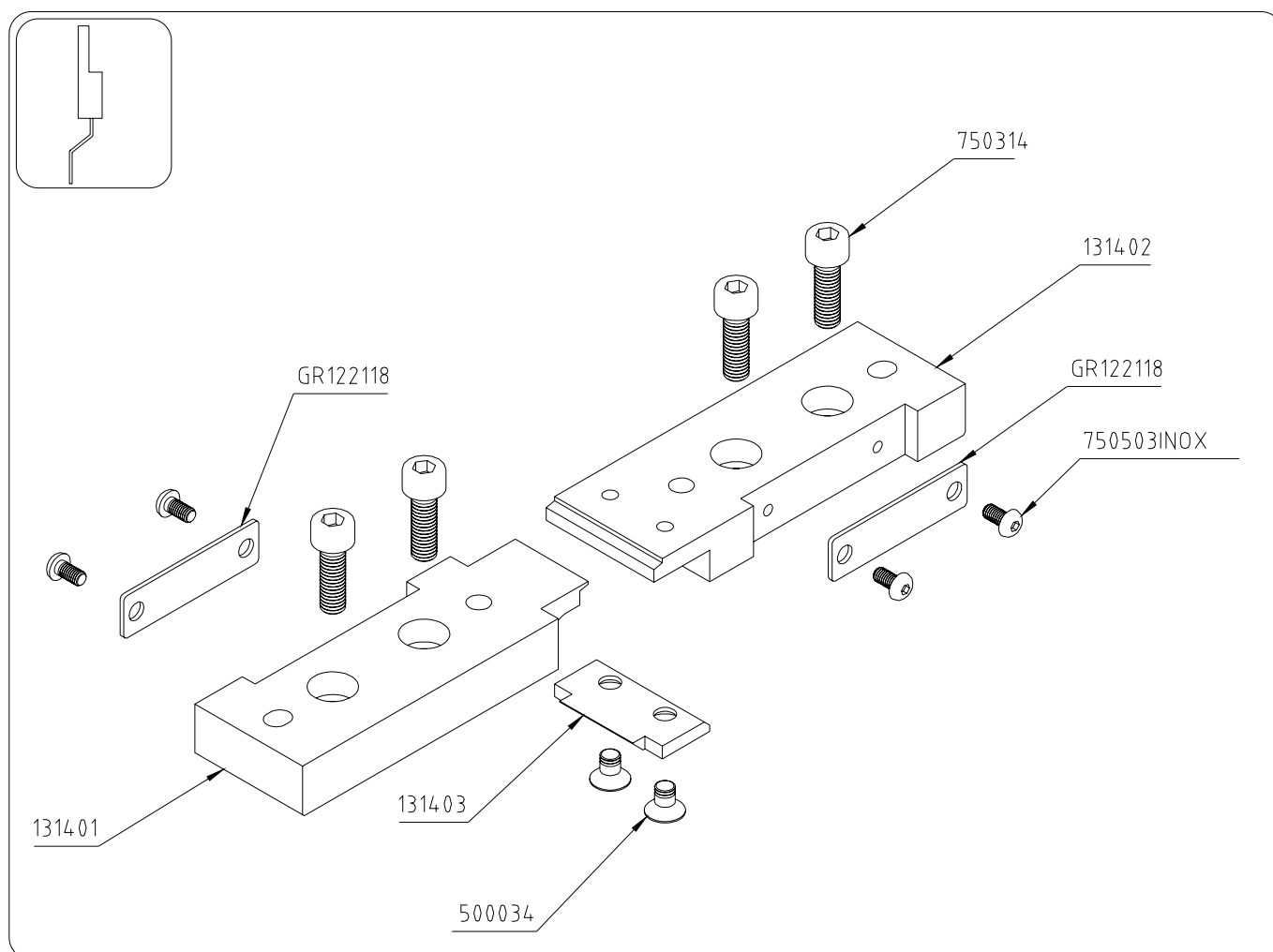


11.3.2.1 READING KEY FOR DETAILED DRAWING OF PREFORMING DIE ASSEMBLY 131300 DIE ASSEMBLY

TO220-TO126-TO218 90° BENDING

CODE	DESCRIPTION	Q.TY
131302	LEFT CONTRAST DIE 90° BENDING B=6	1
131301	RIGHT DIE 90° BENDING B=6 AND CUT	1
121303	ROLLERSUPPORT	2
121310	ASSEMBLED NEEDLECAGE K3X5X7 TN "INA"	2
121306	FORMING ROLLER TP/TO-CF	1
152110	PARALLEL PIN D. 2x10	4
130078	SCREW TCEI M2,5X10	2
750314	CAP SCREW TCEI M5X16	4
GR122118	IDENTIFICATION PLATE	2
750503INOX	SCREW TBEI M3X6 STEEL	4

11.3.3 DETAILED DRAWING OF PREFORMING DIE ASSEMBLY 131400 TO220-TO126 - TO218 SURFACE MOUNTING

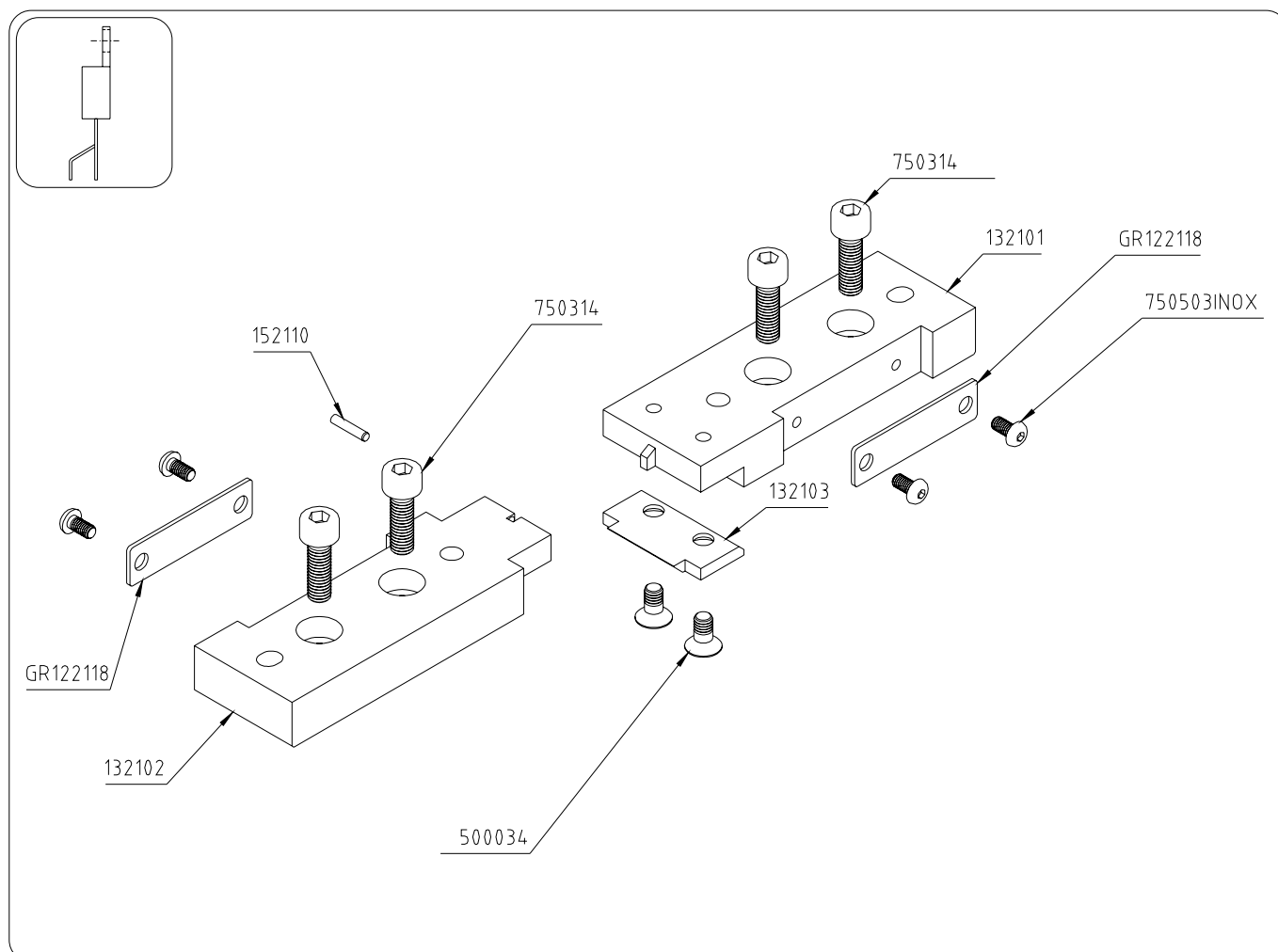


11.3.3.1 READING KEY FOR DETAILED DRAWING OF PREFORMING DIE ASSEMBLY 131400 TO220-TO126- TO218 SURFACE MOUNTING

CODE	DESCRIPTION	Q.TY
131401	LEFT CONTRAST DIE SURFACE MOUNTING	1
131402	RIGHT DIE SURFACE MOUNTING	1
131403	CUTTING BLADE L=16,3	1
500034	CS SCREW M4X6	2
750314	CAP SCREW TCEI M5X16	4
GR122118	IDENTIFICATION PLATE	2
750503INOX	SCREW TBEI M3X6 STEEL	4

11.3.4 DETAILED DRAWING OF PREFORMING DIE ASSEMBLY 132100 TO 220-TO 126

CENTER LEAD SPREAD ON AND CUT



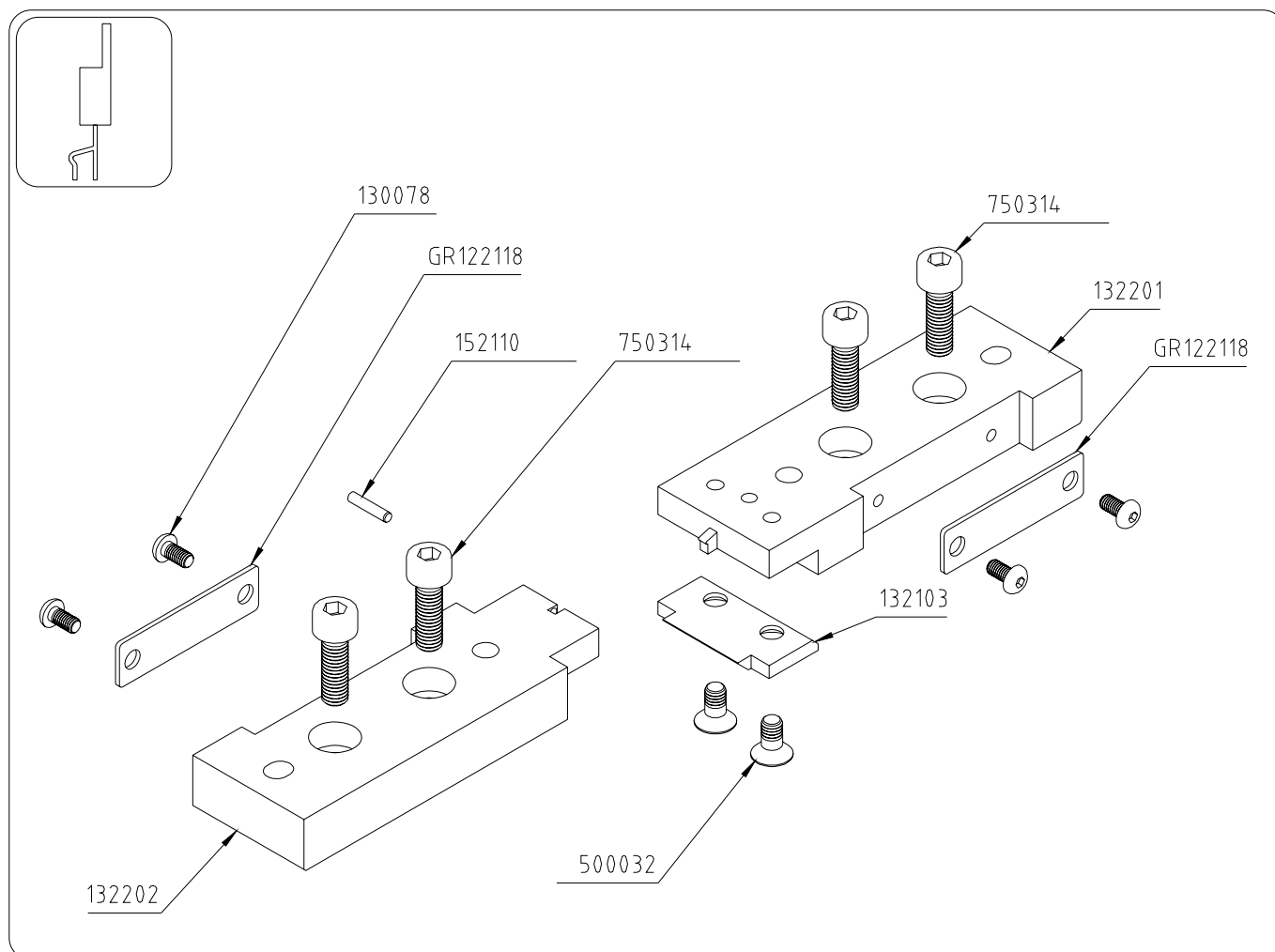
11.3.4.1 READING KEY FOR DETAILED DRAWING OF PREFORMING DIE ASSEMBLY 132100 TO 220-TO 126

CENTER LEAD SPREAD ON AND CUT

CODE	DESCRIPTION	Q.TY
132102	LEFT CONTRAST DIE CENTER LEAD SPREAD ON P=2,54	1
152110	PARALLEL PIN D. 2x10	1
132101	RIGHT DIE CENTER LEAD SPREAD ON P=2,54	1
132103	CUTTING BLADE L=16,5	1
500034	SCREW TSEI M4X6	2
750314	SCREW TCEI M5X16 R.12.9	4
GR122118	IDENTIFICATION PLATE	2
750503 INOX	SCREW TBEI M3X6 STEEL	4

11.3.5 DETAILED DRAWING OF PREFORMING DIE ASSEMBLY 132200 TO220-TO218

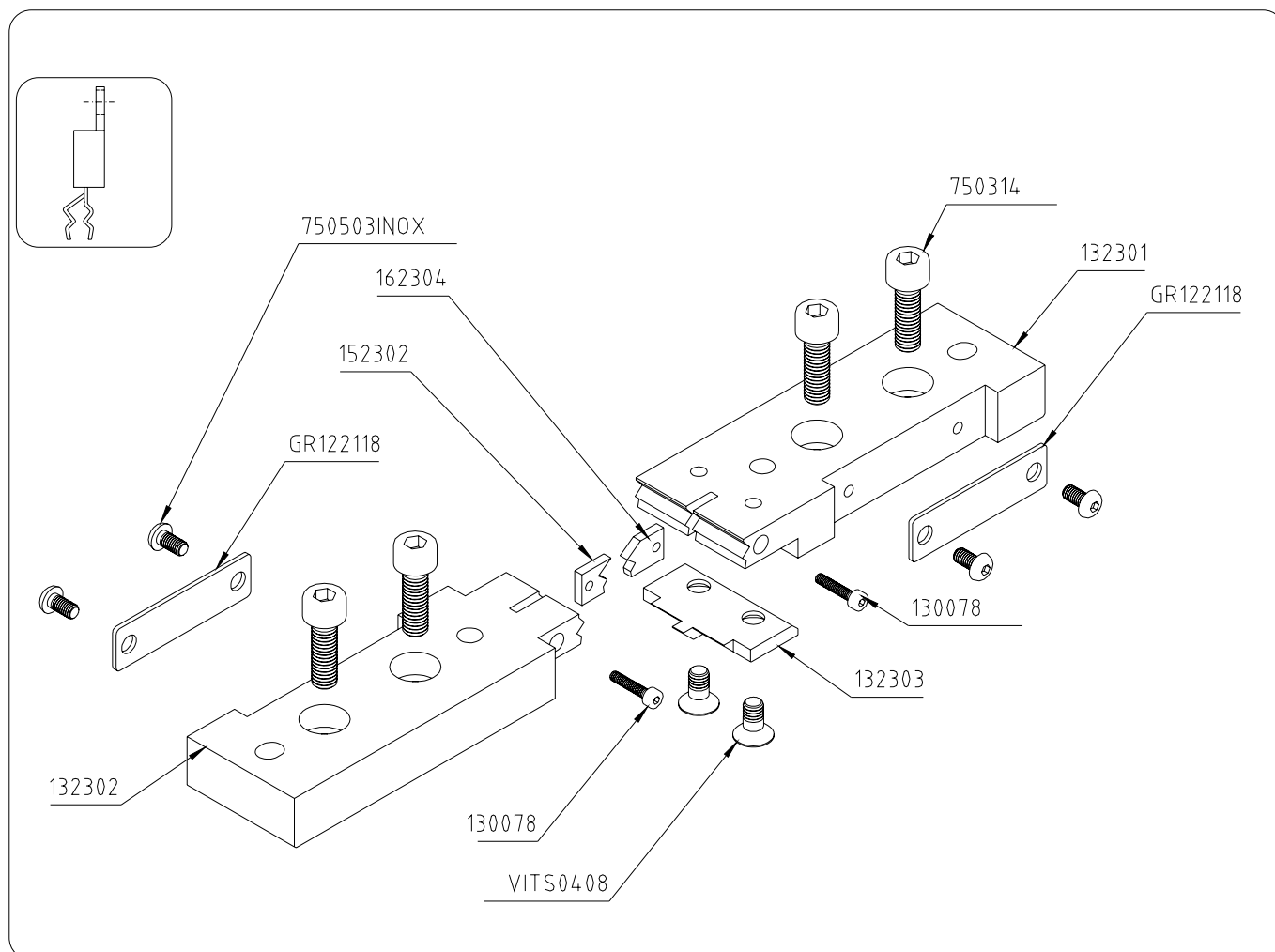
CENTER LEAD SPREAD & LOCK



11.3.5.1 READING KEY FOR DETAILED DRAWING OF PREFORMING DIE ASSEMBLY 132200 TO220-TO218 CENTER LEAD SPREAD & LOCK

CODE	DESCRIPTION	Q.TY
132202	LEFT DIE CENTER LEAD SPREAD P=2,54 AND LOCK	1
132201	RIGHT DIE CENTER LEAD SPREAD P=2,54 AND LOCK	1
132103	CUTTING BLADE L=16,5	1
500034	SCREW TSEIM4X6	2
750314	SCREW TCEIM5X16 R.12.9	4
GR122118	IDENTIFICATION PLATE	2
750503INOX	SCREW TBEIM3X6 STEEL	4
152110	PARALLEL PIN D. 2x10	1

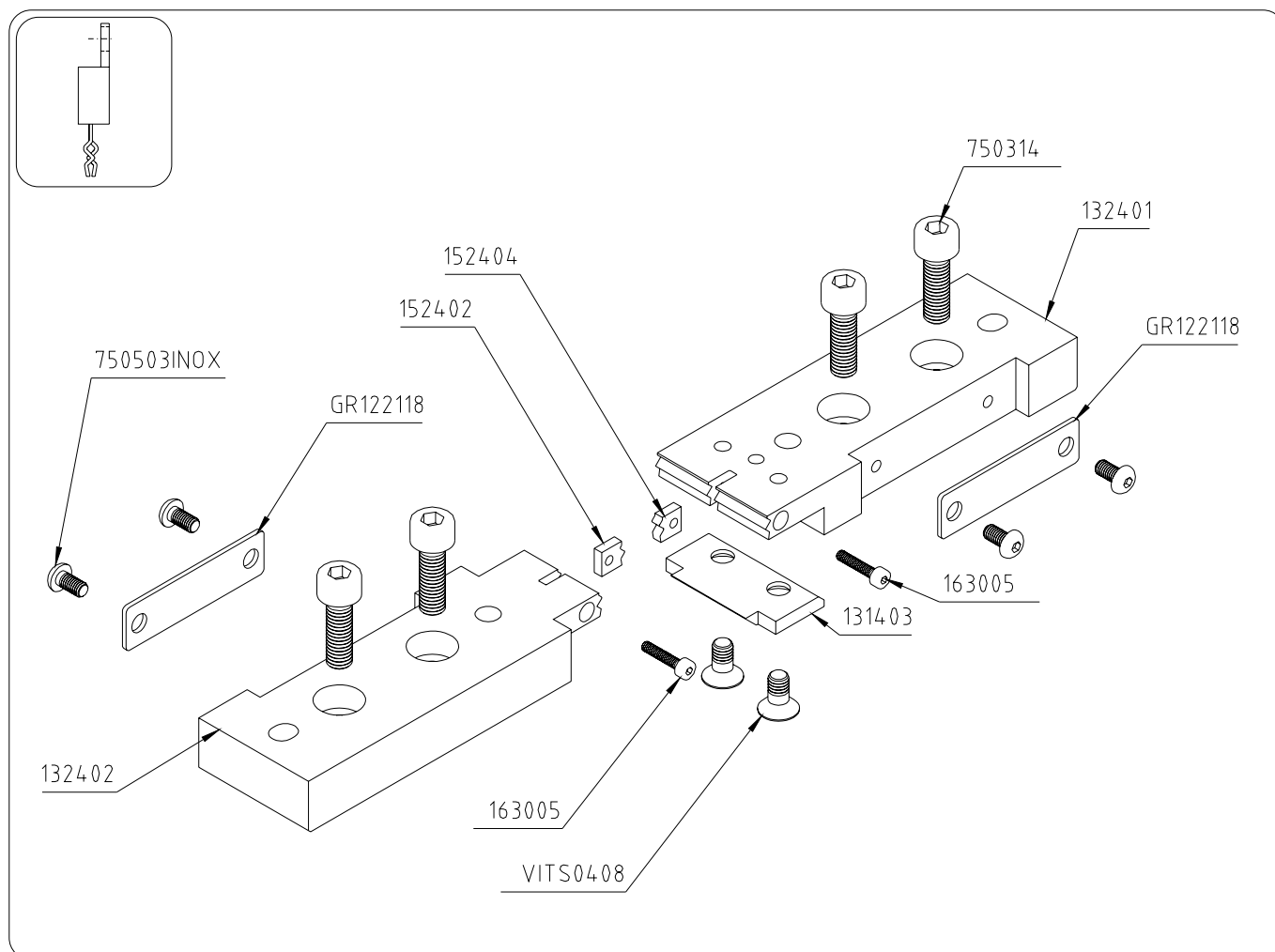
11.3.6 DETAILED DRAWING OF PREFORMING DIE ASSEMBLY COD. 132300 TO220-TO126 CENTER LEAD SPREAD & 3 LEADS LOCK



11.3.6.1 READING KEY FOR DETAILED DRAWING OF PREFORMING DIE ASSEMBLY COD. 132300 TO220- TO126 CENTER LEAD SPREAD & 3 LEADS LOCK

CODE	DESCRIPTION	Q.TY
132302	LEFT CONTRAST DIE CENTER LEAD SPREAD P=2,54 3 LEADS LOCK	1
152302	INSERT FOR DIE CENTER LEAD SPREAD & 3 LEADS LOCK	1
163005	SCREW TCEI M2X10	2
132301	RIGHT DIE CENTER LEAD SPREAD AND 3 LEADS LOCK	1
162304	INSERT FOR PUNCH TO220 CENTER LEAD SPREAD AND 3 LEADS LOCK	1
132303	CUTTING BLADE L=18,25	1
VITS0408	SCREW TSEI M4X8	2
750314	SCREW TCEI M5X16 R.12.9	4
GR122118	IDENTIFICATION PLATE	2
750503INOX	SCREW TBEI M3X6 STEEL	4

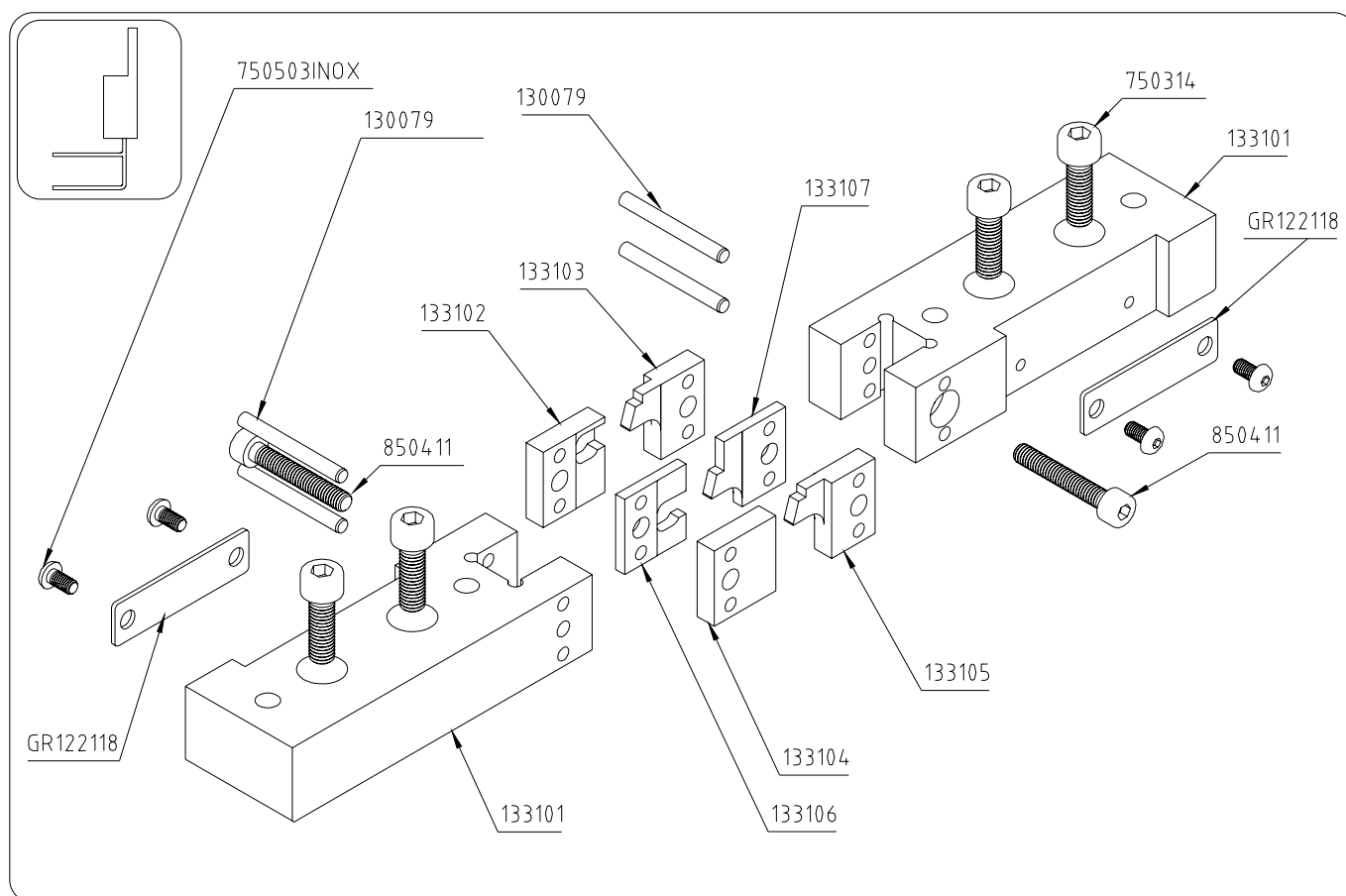
11.3.7 DETAILED DRAWING OF PREFORMING DIE ASSEMBLY COD. 132400 TO220- TO126 STAND OFF 3 LEADS IN LINE



11.3.7.1 READING KEY FOR DETAILED DRAWING OF PREFORMING DIE ASSEMBLY COD. 132400 TO220- TO126 STAND OFF 3 LEADS IN LINE

CODE	DESCRIPTION	Q.TY
132402	LEFT CONTRAST DIE STAND OFF 3 LEADS IN LINE	1
152402	INSERT FOR DIE TO220 DOUBLE KINK ON 3 LEADS IN LINE	1
163005	SCREW TCEIM2X10	2
132401	RIGHT DIE STAND OFF 3 LEADS IN LINE	1
152404	INSERT FOR PUNCH TO220 DOUBLE KINK ON 3 LEADS IN LINE	1
131403	CUTTING BLADE L=16,3	1
VITS0408	SCREW TSEIM4X8	2
750314	SCREW TCEIM5X16 R.12.9	4
GR122118	IDENTIFICATION PLATE	2
750503INOX	SCREW TBEIM3X6 STEEL	4

11.3.8 DETAILED DRAWING OF PREFORMING DIE ASSEMBLY COD. 133100 TO220 90° BENDING CENTRE LEAD OFF SET



11.3.8.1 READING KEY FOR DETAILED DRAWING OF PREFORMING DIE ASSEMBLY COD. 133100 TO220 90° BENDING CENTRE LEAD OFF SET

CODE	DESCRIPTION	Q.TY
133101	RIGHT AND LEFT SUPPORT FOR DIE 90° BEND. CENTRE LEAD OFF SET	1
133106	LEFT INNER INSERT 90° BENDING CENTRE LEAD OFF SET	1
133102	LEFT BACK INSERT 90° BENDING CENTRE LEAD OFF SET	1
133104	LEFT FRONT INSERT 90° BENDING CENTRE LEAD OFF SET	1
130079	PIN	4
850411	SCREW TCEI M4X25 R.10.9	2
133101	RIGHT AND LEFT SUPPORT FOR DIE 90° BEND. CENTRE LEAD OFF SET	1
133103	RIGHT FRONT INSERT 90° BENDING CENTRE LEAD OFF SET	1
133105	RIGHT BACK INSERT 90° BENDING CENTRE LEAD OFF SET	1
133107	RIGHT CENTER INSERT 90° BENDING CENTRE LEAD OFF SET	1
750314	SCREW TCEI M5X16 R.12.9	4
GR122118	IDENTIFICATION PLATE	2
750503INOX	SCREW TBEI M3X6 STEEL	4