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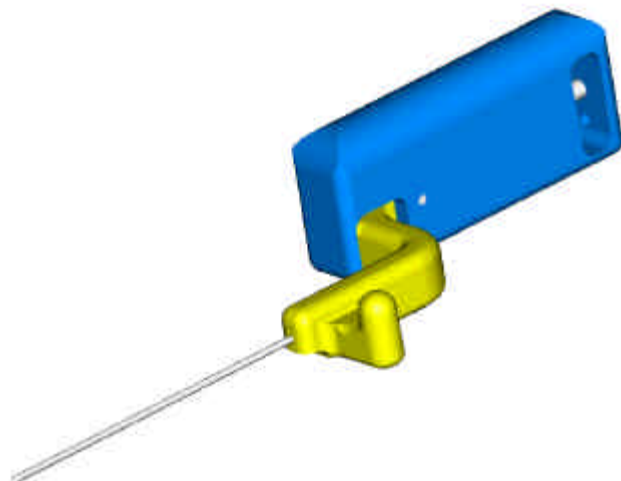
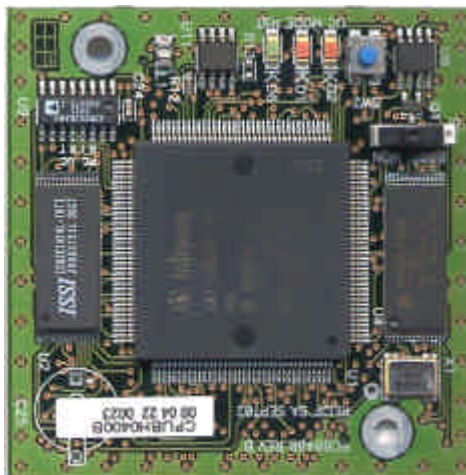
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RECIF

SPP150A54

***SECTION 11 :
RECOMMENDED LIST OF SPARE PARTS :***

Version 1.0.0



SECTION REVISION STATUS :

Release	Comments	Date	Author
Version 1.0.0	Initial release. List and descriptions only	November 2004	Craig DOWLING

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1. INTRODUCTION :

The recommended list of spare parts for the sorter are separated into three main parts. The mechanical assemblies, the electronic components, and the kits each comprised of several elements.

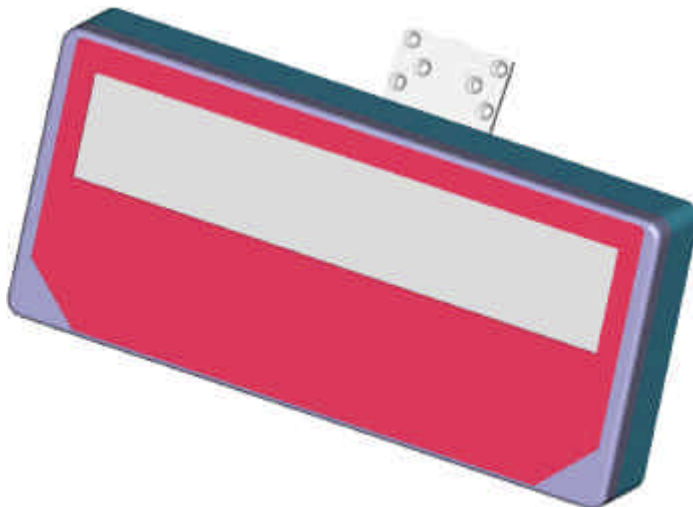
2. LIST OF MECHANICAL SPARE PARTS :

ITEM	REFERENCE NUMBER	DESIGNATION	QTY PER TOOL
1	SPPA17A81105	KEYBOARD	1
2	SPPA49A53005	LEFT SIDE WAFER TRANSFER FINGER	1
3	SPPA49A54005	RIGHT SIDE WAFER TRANSFER FINGER	1
4	SPPA43A75200	LEFT MAPPING ANTENNA	1
5	SPPA43A75205	RIGHT MAPPING ANTENNA	1
6	SPPA51A31205	MOTOR	5
7	SPPA51A41105	FORWARD/BACKWARD TRANSFER MOTOR	1

2.1.DESCRPTION OF THE MECHANICAL SPARE PARTS :

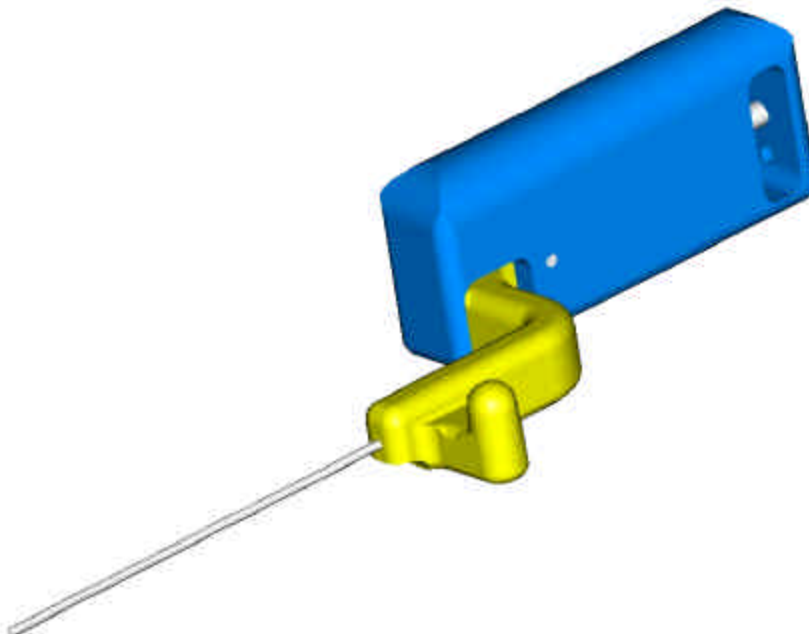
2.1.1. THE KEYBOARD : SPPA17A81105

The keyboard is supplied as is



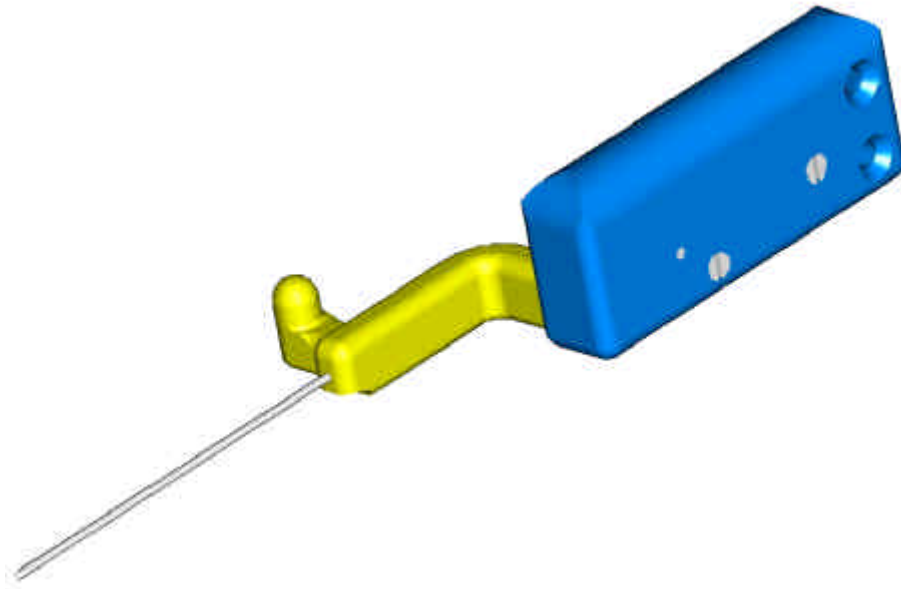
2.1.2. THE LEFT SIDE WAFER TRANSFER FINGER: SPPA49A53005

The mono finger is supplied as is.

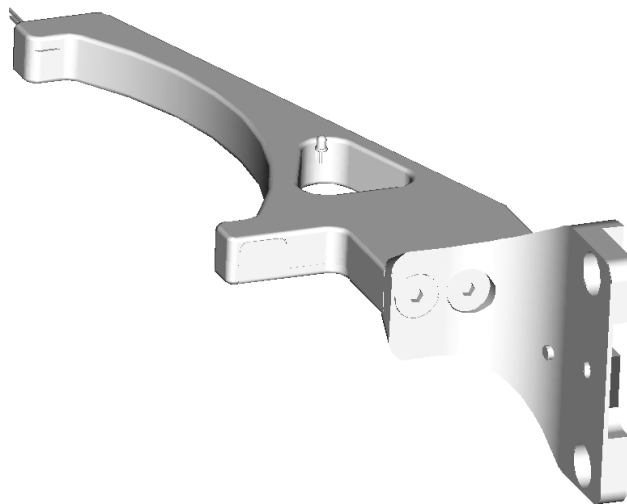


2.1.3. THE RIGHT SIDE WAFER TRANSFER FINGER: SPPA49A54005

The mono finger is supplied as is.

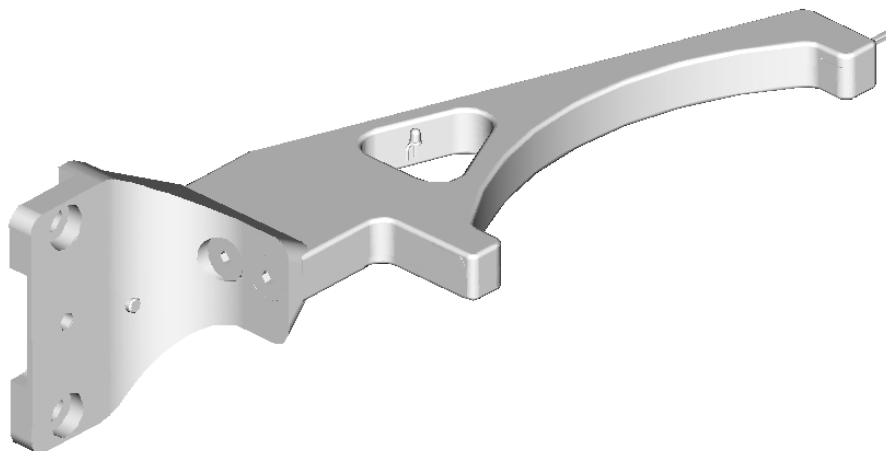
**2.1.4. THE RIGHT MAPPING ANTENNA SPPA43A75205:**

The mapping antenna is supplied with its optical barrier and corresponding boards, cables, and connectors

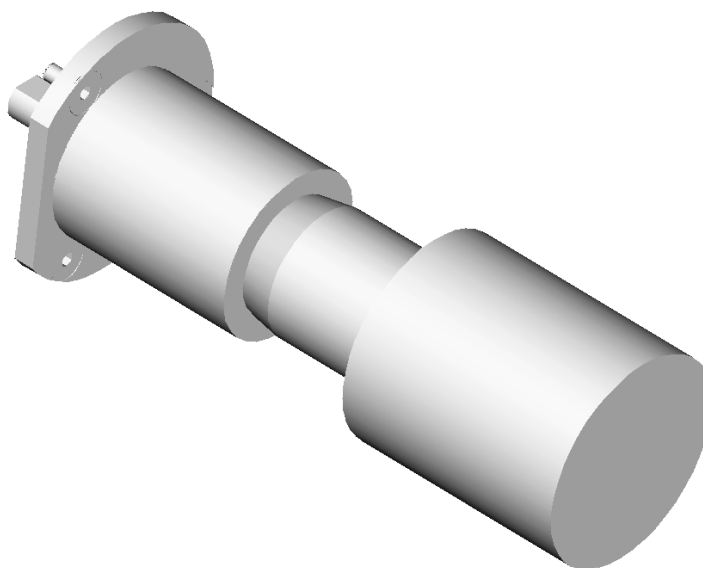


2.1.5. THE LEFT MAPPING ANTENNA SPPA43A75200:

The mapping antenna is supplied with its optical barrier and corresponding boards, cables, and connectors

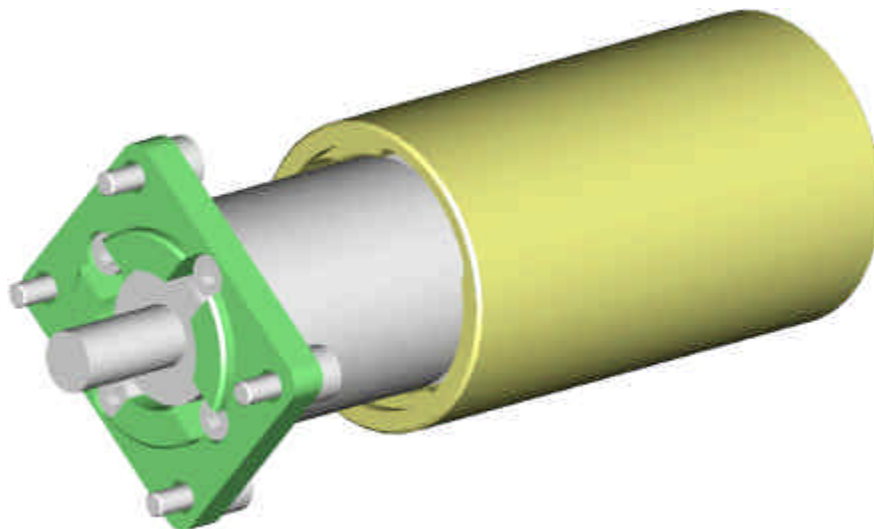
**2.1.6. THE FORWARD/BACKWARD MOTOR: SPPA51A41105**

The motor is supplied with its support piece, Oldham joint transmission and corresponding cables and connector.



2.1.7. THE LEFT/RIGHT /UP/DOWN & ANTENNA MOTORS: SPPA51A31205

The motor is supplied with its support piece, Oldham joint transmission and corresponding cables and connector



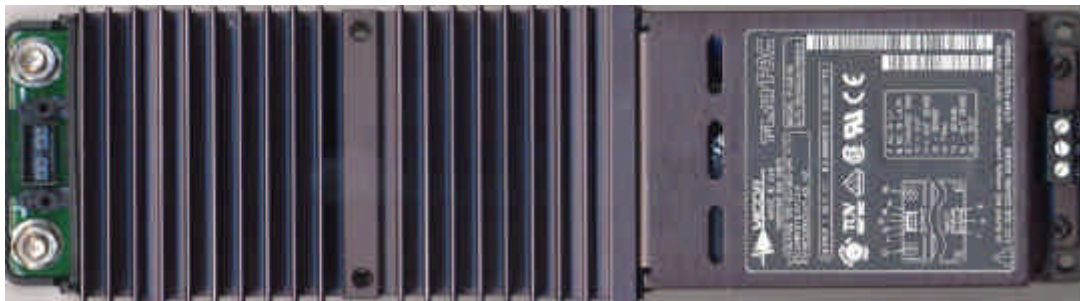
3. LIST OF ELECTRONICAL SPARE PARTS :

ITEM	REFERENCE NUMBER	DESIGNATION	QTY PER TOOL
1	ALIM14633	220V-110V/24V AC/DC POWER SUPPLY	1
2	BAT015104	110V UPS	1
3	CAB11093	TRANSFER MOTION SAFETY ENCODER	1
4	CPUAH0480	KEYBOARD CPU BOARD	1
5	CPUBH0400	CPU BOARD	2
6	ECL013595	STATUS LIGHT	1
7	MOBBH0158	KEYBOARD MOTHERBOARD	1
8	MOBAH0417	MOTHERBOARD	1
9	SPPBH1300	MONO FINGER WAFER DETECTION EMITTER BOARD	1
10	SPPEH1500	MONO FINGER WAFER DETECTION PHOTORECEPTOR BOARD	1
11	SPPFH1500	MAPPING ANTENNA PHOTORECEPTOR BOARD	2
12	STDAH0374	SENSOR INTERFACE BOARD	9
13	STDAH0411	WAFER DETECTION EMITTER BOARD	2
14	STDAH0412	WAFER DETECTION PHOTORECEPTOR BOARDS	2

3.1.DESCRPTION OF THE ELECTRONIC SPARE PARTS :

3.1.1. THE 220-110V24V POWER SUPPLY : ALIM14633

The power supply is supplied as is.



3.1.2. THE 110V UPS : BAT015104

The UPS is supplied as is.

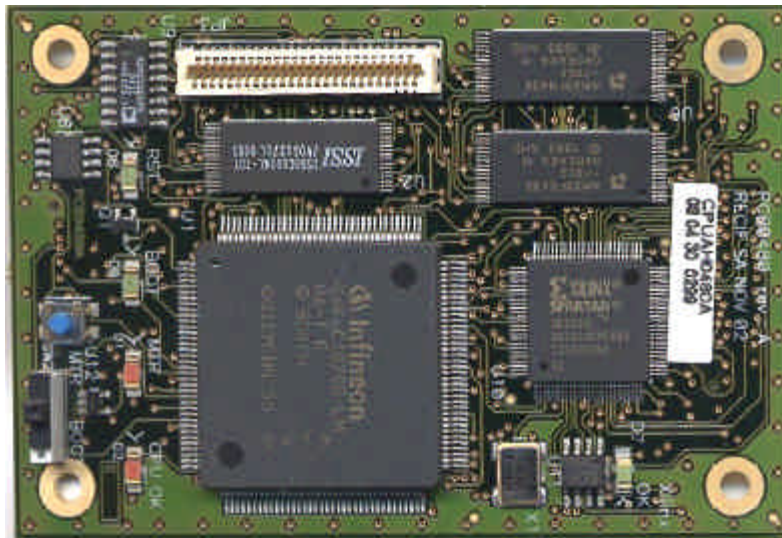


3.1.3. THE TRANSFER MOTION SAFETY ENCODER CAB11093 :

The encoder is supplied with the corresponding cable and connector

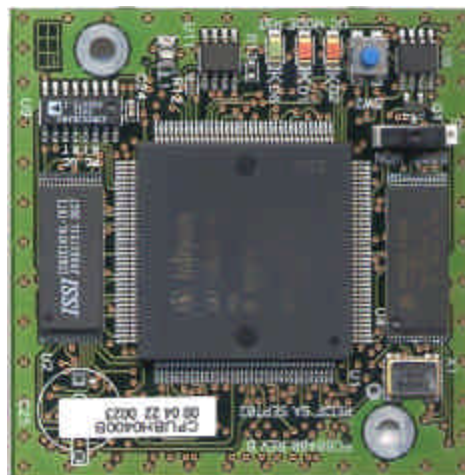
3.1.4. THE KEYBOARD CPU BOARD CPUAH0480 :

The board is supplied as is



3.1.5. THE CPU BOARD : CPUBH0400

The board is supplied as is.

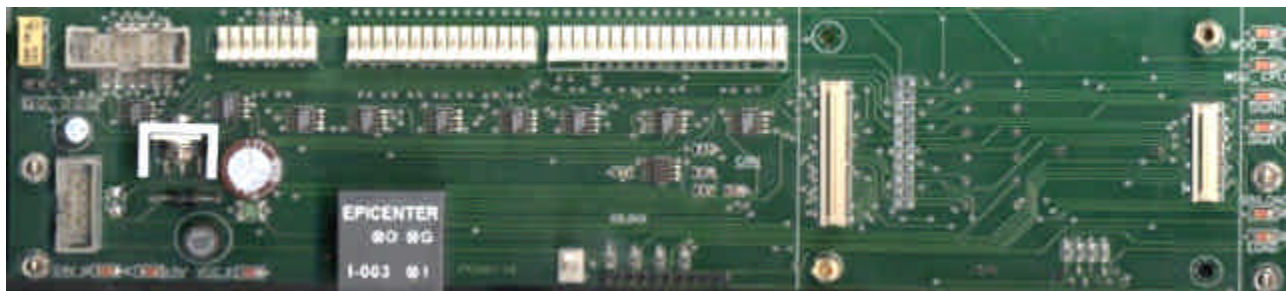


3.1.6. THE STATUS LIGHT : ECL013595

The status light is supplied with the corresponding connector.

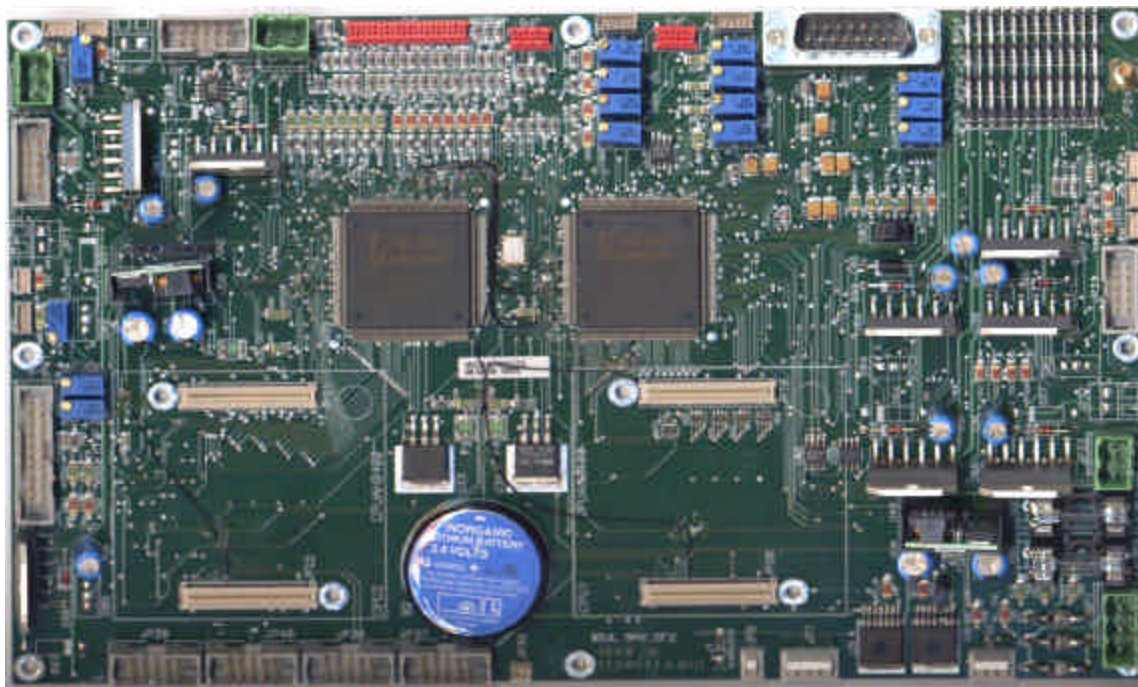
**3.1.7. THE KEYBOARD MOTHERBOARD MOBBH0158 :**

The board is supplied as is



3.1.8. THE MOTHERBOARD : MOBAH0417

The Motherboard is supplied with the corresponding CPUs placed upon it.



3.1.9. THE MONO FINGER WAFER DETECTION EMITTER BOARD : SPPBH1300

The board is supplied as is.



3.1.10. THE MONO FINGER WAFER DETECTION EMITTER BOARD : SPPEH1500

The board is supplied as is.

**3.1.11. THE MAPPING ANTENNA PHOTORECEPTOR BOARD : SPPFH1500**

The board is supplied as is.

**3.1.12. THE SENSOR INTERFACE BOARD : STDAH0374**

The board is supplied as is.

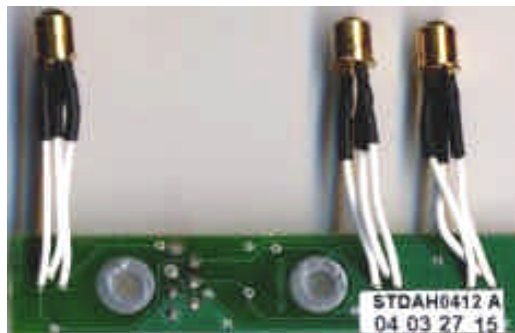


3.1.13. THE WAFER DETECTION EMITTER BOARD : STDAH0411

The board is supplied as is.

**3.1.14. WAFER DETECTION PHOTORECEPTOR BOARD : STDAH0412**

The board is supplied with the corresponding photoreceptors and cables.



4. CONSUMABLES (SUBJECT TO WEAR AND TEAR) :

4.1. LIST OF CONSUMABLES :

ITEM	KIT REFERENCE NUMBER	REFERENCE NUMBER	DESIGNATION	QTY PER KIT	QTY PER TOOL
1	SAVK01	GRAIS0007	KRYTOX GREASE 203 FILLED SYRINGES	2	
		X00195	NEEDLES	5	
		X00200	SYRINGE DAMPER	1	

4.2. KIT DESCRIPTION :

4.2.1. GREASING KIT: SAVK01

Contains:

- ✍ 2 Krytox grease 203 filled syringes (Ref: GRAIS0007)
- ✍ 5 needles (Ref: X00195).
- ✍ 2 syringe damper (Ref: X00200).