Parts List

Hydraulic Breaker

PRB 100

Parts No. : AA099-0011
Revision Date : 2016-12-12

PRODEM

INSTRUCTIONS FOR USE

- This parts manual describes the configuration of the part components of the product and is intended only to assist to order spare parts for maintenance work
- This manual contains no safety information for operating the product or maintenance work. Please observe the safety instructions described in the relevant operation manual.
- The illustrations shown in this manual is not appropriate for workshop instructions, so they should not be used for assembling or disassembling the product. Please refer to the workshop manual for that purpose.
- Use PRODEM genuine parts only.
  Warranties do not cover damages that have been caused or aggravated by use of non-genuine parts.
- For product warranty, please refer to the warranty conditions provided separately.
- The illustrations in this manual show only the overall shapes and positions of the part components so they may not be identical with the actual parts.
- For the purpose of continued product improvement, some information in this manual could be changed without prior notice, and might be differ from your product which was not covered by this publication.
- If you found the information that is unclear or not corresponding with the actual product, contact PRODEM or PRODEM distributor.

How to use this parts manual:

<Example>

EX-20 – CYLINDER UNIT

(1) (2)

(3) ITEM	(4) PART NO.	(5) PART NAME	(6) QTY	(7) S/N	(8) REMARKS
+	X123-9001	Cylinder Unit	2		
1	X123-1001	Cylinder Housing	1		
2	X123-9002	Rod Cover Ass'y	1		
3	X123-1002	-Rod Cover	-1	~199	[R X123-1002A]
	X123-1002A	-Rod Cover	-1	200~	
4	A456-2001	-Slide Seal	-2		[K1]
4-1	A456-2002	--Seal Ring	--1		[K1] [D]
4-2	A456-2003	--O-Ring	--1		[K1] [D]
5	A456-2004	-Dust Wiper	-1		[K1]
6	X123-1003	Rod	1		
7	X124-1005	Piston	1		
⋮	⋮	⋮			

1. Model name: Identification name of the product

2. Title: Title name of the assembly shown in the page

3. Item: Key number which shows the referring number of the part in corresponding illustration.
For a revised part which replaces the old one with same item number, the item is not shown.
Item numbers are not always in sequence.

+..... Represent the title assembly containing the entire part in the illustration.

* with the same item number..... Represent selectable parts depending on product version.

4. Part No.: Identification number of the part or assembly.
The part number might be omitted when the part cannot be supplied separately.

5. Part Name: Part name of the part.
The parts without a prefix in front of the part name are independent component parts or subassemblies belong to the title assembly in corresponding list.

Prefix '-'…. The parts marked with the prefix '-' in front of the part name are component parts belong to the subassembly shown above of the rows of these parts.

Prefix '--'… The parts marked with the prefix '--' are component parts of the '-' marked subassembly containing these parts.

6. Qty: Quantity used for one unit of their parent assembly containing the parts.
When the quantity of the title assembly is blank, refer to the page shown with '►', but when it is not blank, it represents the quantity used for one unit of the product.
For the parts with the prefix '-' or '--' in front of their part name, the quantity is expressed with that prefix.

AR… As many as required (variable quantity depending on the product)

7. S/N: Serial number of the product which those parts are applied
Parts without serial no. indications are used in every product regardless of serial number.

8. Remarks: Supplementary comment. Refer to the following for the code within [ ].

A….. The parts with this code can be used interchangeably with each other.

R….. The part with this code is no longer manufactured as a result of a revision and replaced by the new part whose part number follows this code.

K….. The part with this code is contained in the service kit whose item number follows this code.

D….. The part with this code cannot be supplied separately. The assembly part containing this part should be ordered.

S….. Non-standard part which can be supplied by separate order

How to order parts:

Please note the full model name and serial number of your product. This code can be found on the nameplate of your product. Compare the parts to order with the corresponding parts in the drawings in this parts manual and note the part numbers to order.

When ordering parts, please specify detail part names as shown in the following example,

- Model name of product: EX-20
- Serial number: 135
- Part No.: A123-4567
- Part name: Pin
- Quantity: 2
- Purchaser's name & address: . . . .

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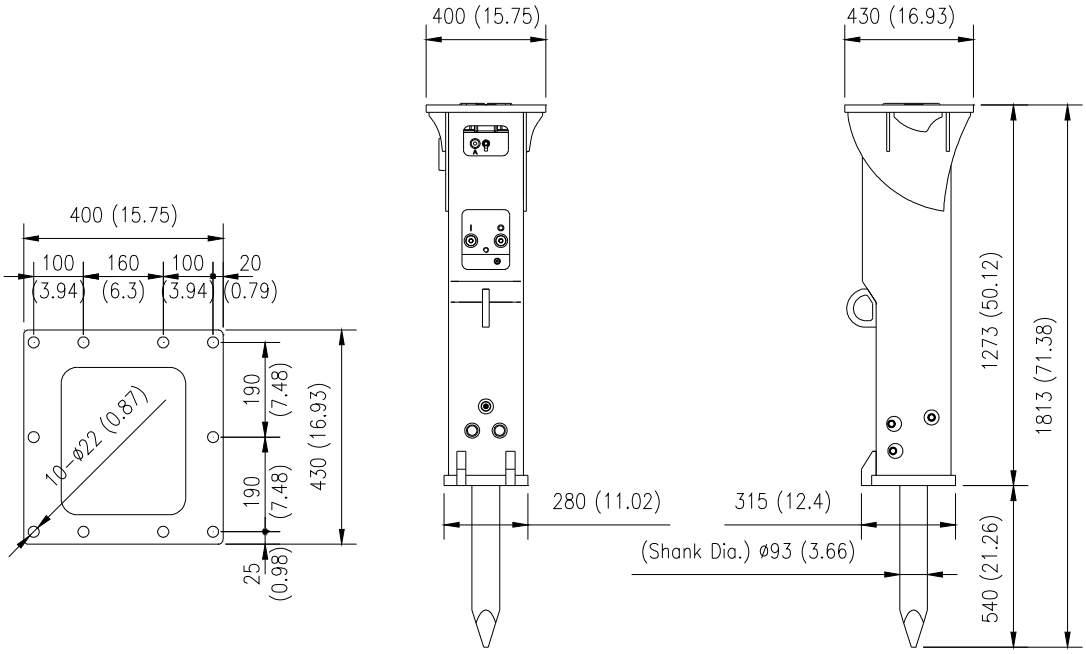
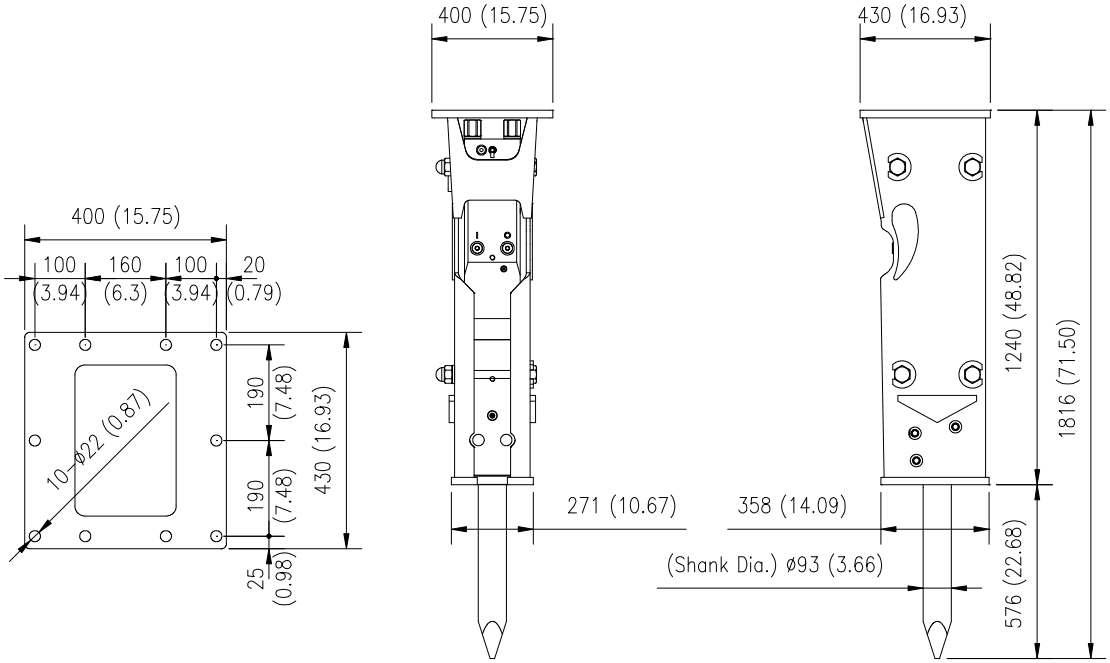
PRB100 – Product Dimensions (1/2)

Unit: mm (inch)

PRB100-BA



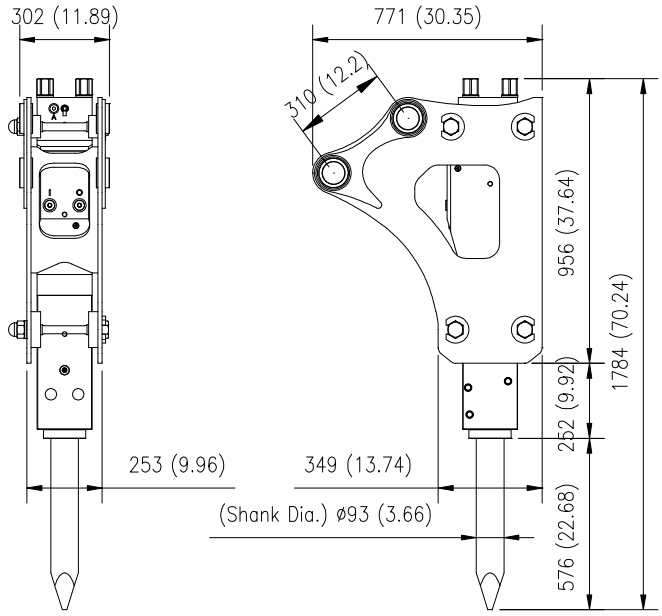
PRB100-NA



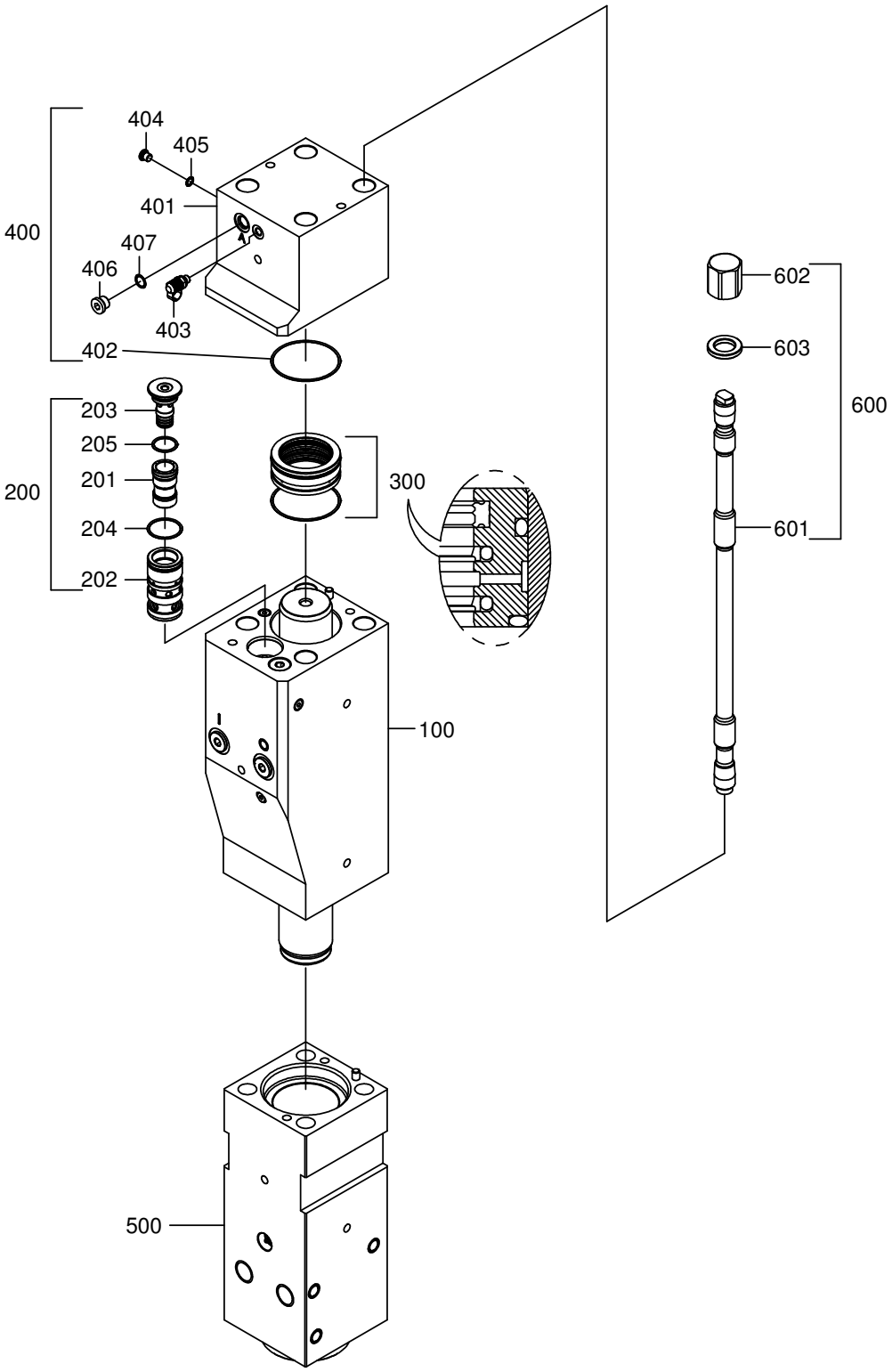
PRB100 – Product Dimensions (2/2)

Unit: mm (inch)

PRB100-NS



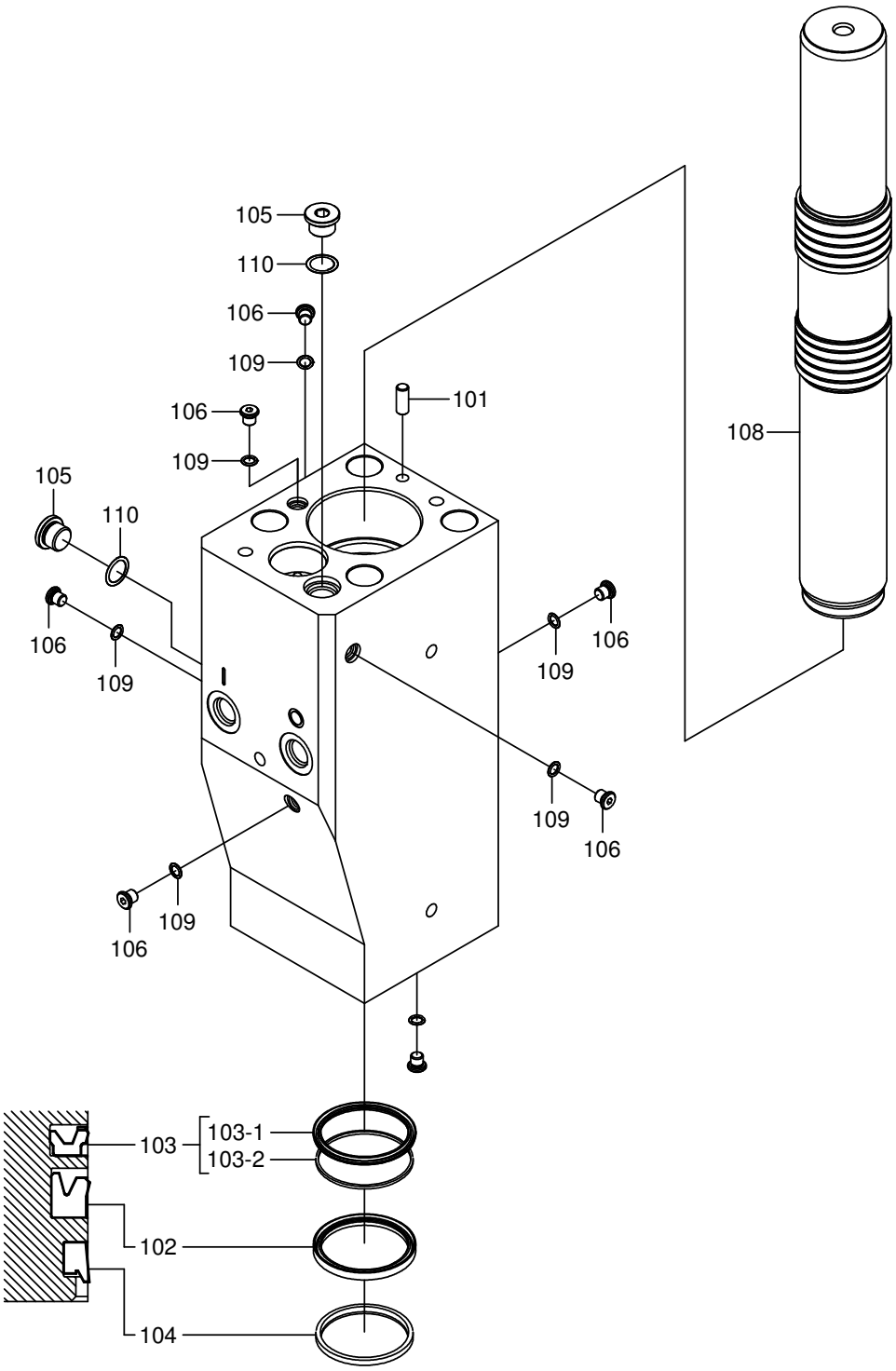
PRB100 – Power Cell Ass'y



PRB100 – Power Cell Ass'y

ITEM	PART NO.	PART NAME	QTY	S/N	REMARKS
+	B100-9901	Power-cell Ass'y	1		
100	B100-9801	Cylinder Ass'y	1		
200	B060-9802	Valve Ass'y	1		
201	B060-2001	-Valve	-1		
202	B060-2002	-Valve Bush	-1		
203	B060-2003	-Valve Plug	-1		
204	S8010501	-O-ring	-1		[K4]
205	S8010351	-O-ring	-1		[K4]
300	B060-9803	Cylinder Bush Ass'y	1		
400	B090-9804	Back Head Ass'y	1		
401	B090-4001	-Back Head	-1		[R AB100-0006]
	AB100-0006	-Back Head	-1		
402	S8011051	-O-ring	-1		[K4]
403	A062-0041	-Minimess Coupling	-1		
404	A061-0034	-Plug	-1		
405	S8000111	-O-ring	-1		[K4]
406	A061-0003	-Plug	-1		
407	S8000181	-O-ring	-1		[K4]
500	B100-9805	Front Head Ass'y	1		
600	B080-0604	Through Bolt Kit	4		
601	B080-6004	-Through Bolt	-1		
602	B080-6001	-Back Head Nut	-1		
603	B080-6002	-Back Head Washer	-1		

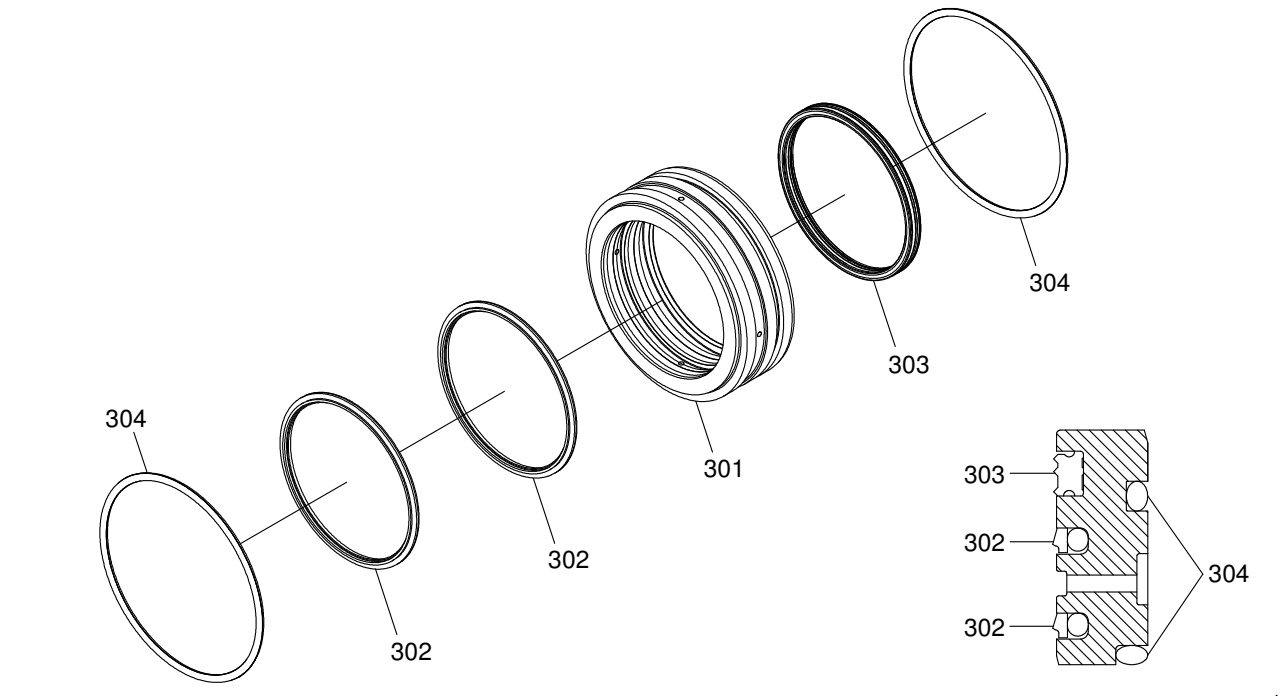
PRB100 – Cylinder Ass'y



PRB100 – Cylinder Ass'y

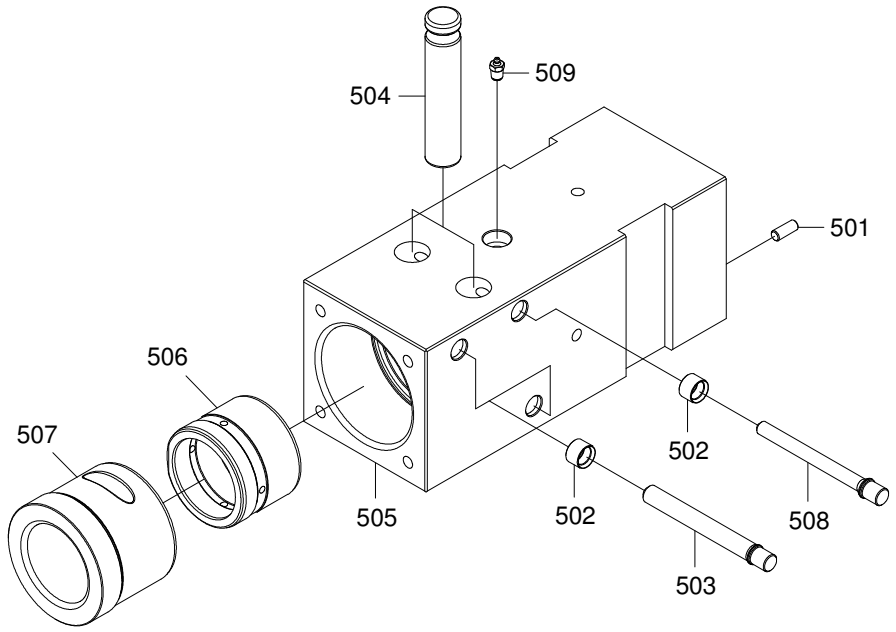
ITEM	PART NO.	PART NAME	QTY	S/N	REMARKS
+	B100-9801	Cylinder Ass'y	1		
101	A021-0001	Lock Pin	1		
102	AA053-0008	U-Packing	1		[K2]
103	AA053-0007	Buffer Ring	1		[K2]
103-1		-Seal Ring	-1		[K2] [D]
103-2		-Back-up Ring	-1		[K2] [D] [for Option Seal Only]
104	AA054-0005	Dust Seal	1		[K2]
105	A061-0015	Plug	2		BSP 3/4
106	A061-0034	Plug	7		BSP 1/4
107	B100-1001	Cylinder	1		
108	B100-1002	Piston	1		
109	S8000111	O-ring	7		[K4]
110	S8000241	O-ring	2		[K4]

PRB100 – Cylinder Bush Ass'y



ITEM	PART NO.	PART NAME	QTY	S/N	REMARKS
+	B060-9803	Cylinder Bush Ass'y	1		
301	B060-1003	Cylinder Bush	1		
302	A056-0028	Step Seal	2		[K3]
302-1		-Seal Ring	-1		[K3] [D]
302-2		-O-ring	-1		[K3] [D]
303	A057-0009	Gas Seal	1		[K3]
304	S8011051	O-ring	2		[K3]

PRB100 – Front Head Ass'y



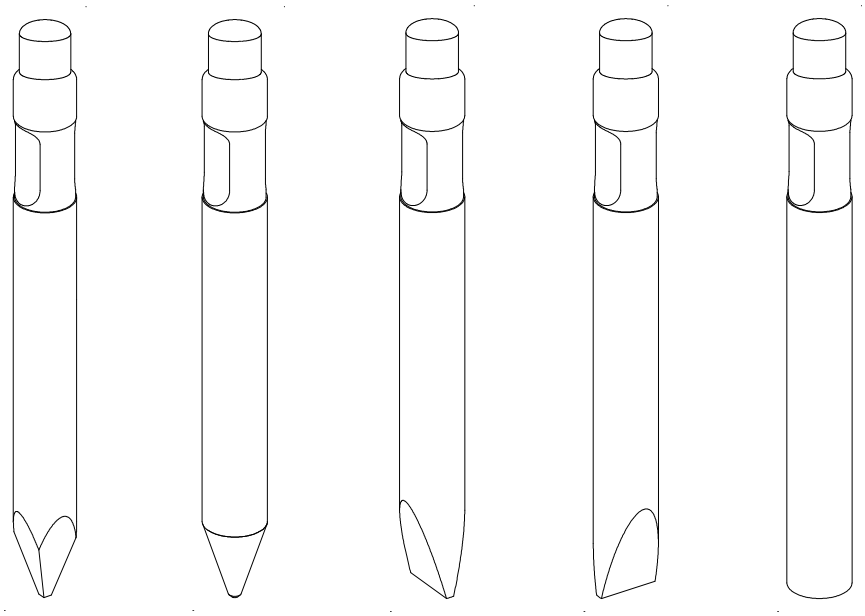
ITEM	PART NO.	PART NAME	QTY	S/N	REMARKS
+	B100-9805	Front Head Ass'y	1		
501	A021-0001	Lock Pin	1		
502	A031-0003	PU-Sleeve	3		
503	B080-5010	Stop Pin	2		
504	B090-5005	Chisel Pin	2		
505	B100-5001	Front Head	1		
506	B100-5002	Chisel Bush	1		
507	B100-5003	Front Bush	1		
508	B100-5004	Stop Pin	1		
509	S6710052	Grease Nipple	1		BSPT 1/4

PRB100 – Seal Kit

ITEM	PART NO.	PART NAME	QTY	S/N	REMARKS
K1	AB102-0002	Seal Kit	1		[K2+K3+K4]
K2	AB102-0003	Piston Lower Part Seal Kit	1		
	AA053-0008	-U-Packing	-1		
	AA053-0007	-Buffer Ring	-1		
	AA054-0005	-Dust Seal	-1		
K3	AB102-0004	Piston Upper Part Seal Kit	1		
	A056-0028	-Step Seal	-2		
	A057-0009	-Gas Seal	-1		
	S8011051	-O-ring	-2		JIS G105-HsA90
K4	AB102-0005	Normal Seal Kit	1		
	S8000111	-O-ring	-8		JIS P11-HsA90
	S8000181	-O-ring	-1		JIS P18-HsA90
	S8000241	-O-ring	-2		JIS P24-HsA90
	S8010351	-O-ring	-1		JIS G35-HsA90
	S8010501	-O-ring	-1		JIS G50-HsA90
	S8011051	-O-ring	-1		JIS G105-HsA90

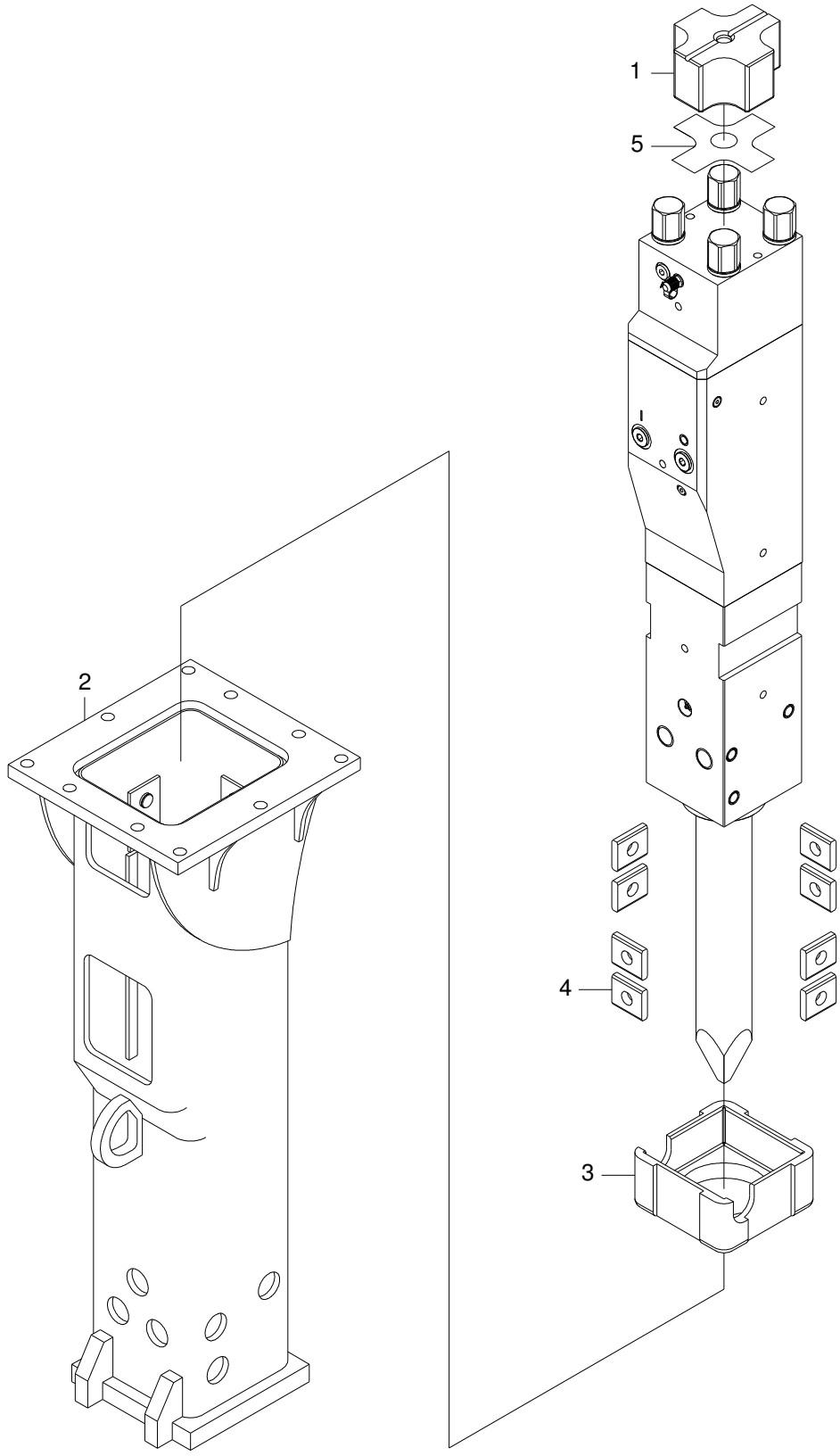
PRB100 – Tools (Chisels)

TOOL SHAPE



TYPE OF TOOL		Moil Wedge (Pyramid)	Moil Point (Conical)	Flat Wedge - Vertical (Inline-cut)	Flat Wedge -Horizontal (Cross-cut)	Flat End (Blunt)
PART NO.		B100-6001	B100-6002	B100-6003	B100-6004	B100-6005
TOOL DIAMETER	mm (in.)	93 (3.66)	93 (3.66)	93 (3.66)	93 (3.66)	93 (3.66)
TOOL LENGTH	mm (in.)	900 (35)	900 (35)	900 (35)	900 (35)	900 (35)
TOOL WEIGHT	kg (lbs)	42 (93)	42 (93)	43 (95)	43 (95)	45 (99)

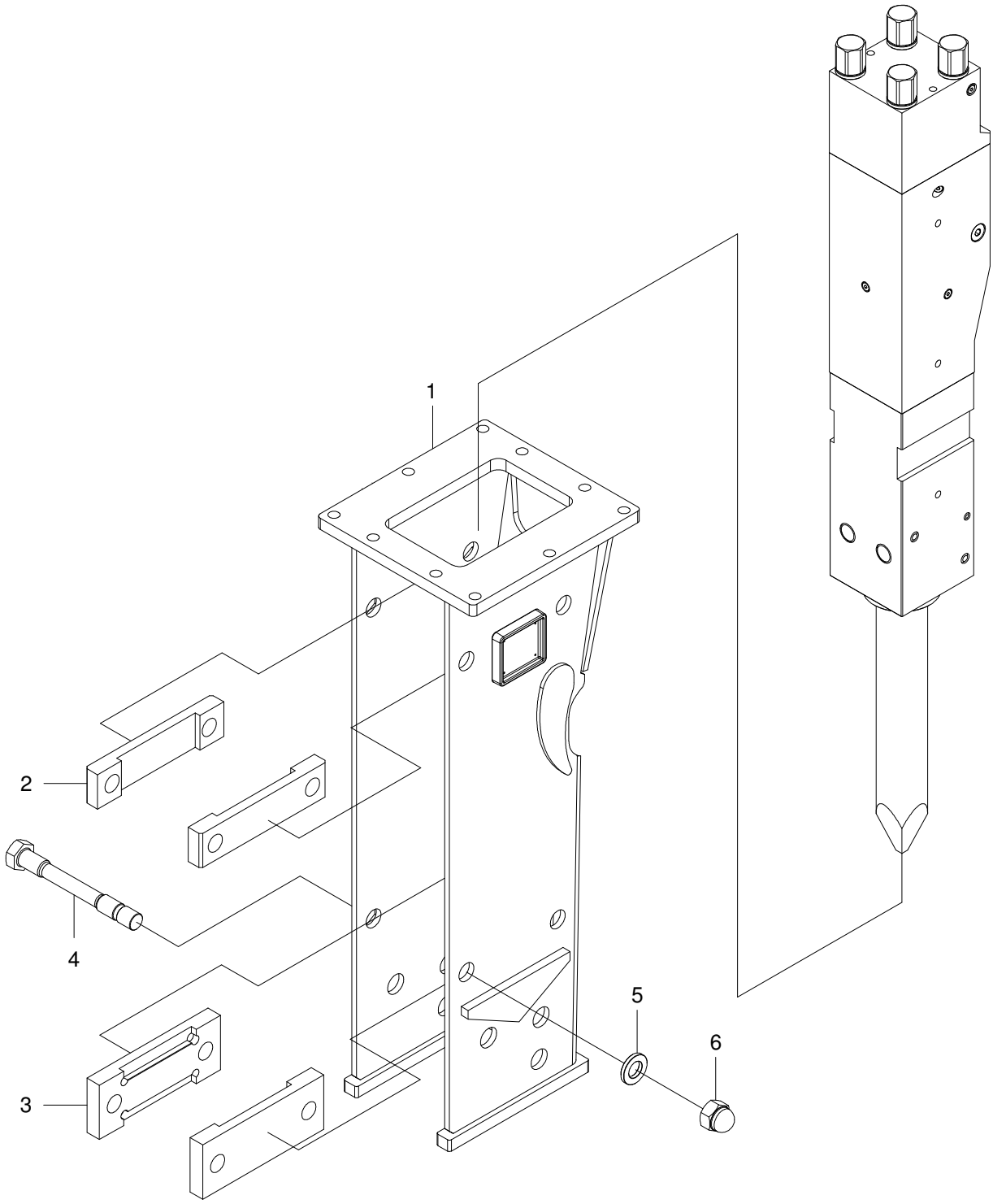
PRB100 – Bracket Ass'y; BA



PRB100 – Bracket Ass'y; BA

ITEM	PART NO.	PART NAME	QTY	S/N	REMARKS
+	B102-9402	Bracket Ass'y	1		
1	B080-7055	Upper Damper	1		
2	B102-7014	Bracket	1		
3	B102-7028	Lower Damper	1		
4	B040-7064	Wear Plate	8		
5	B090-7027	Shim	AR		

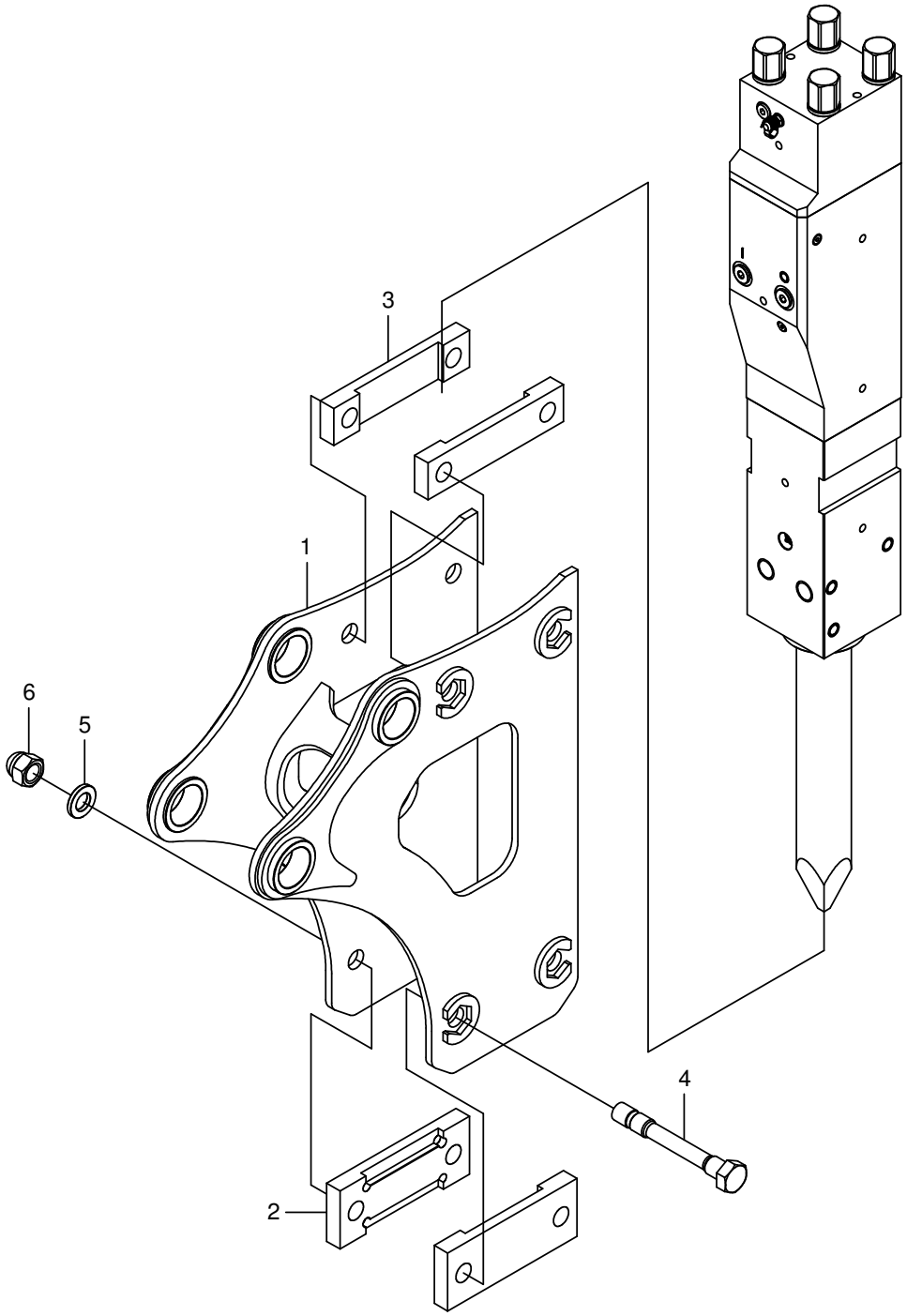
PRB100 – Bracket Ass'y; NA



PRB100 – Bracket Ass'y; NA

ITEM	PART NO.	PART NAME	QTY	S/N	REMARKS
+	AB102-0043	Bracket Ass'y	1		
1	AB102-0044	Bracket	1		
2	B102-7037	Guide Block	2		
3	B090-7043	Locate Block	2		
4	B060-7192	Side Bolt	4		
5	B082-7020	Side Bolt Washer	4		
6	S4413641	Hex. Cap Nut	4		

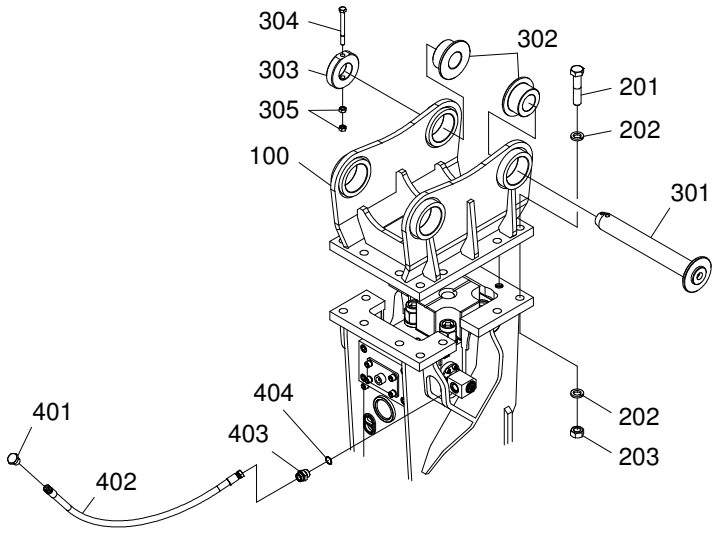
PRB100 – Bracket Ass'y; NS



PRB100 – Bracket Ass'y; NS

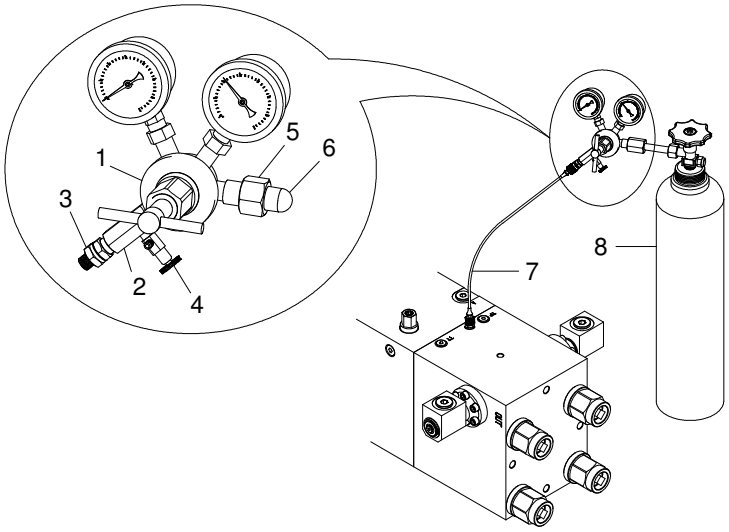
ITEM	PART NO.	PART NAME	QTY	S/N	REMARKS
+	AB102-0001	Bracket Ass'y	1		
1	B090-7040	Bracket	1		
2	B090-7043	Locate Block	2		
3	B090-7044	Guide Block	2		
4	B060-7192	Side Bolt	4		
5	B082-7020	Side Bolt Washer	4		
6	S4413641	Hex. Cap Nut	4		

PRB100 – Mounting Adapter and Hoses



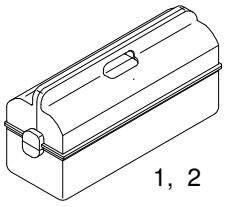
ITEM	PART NO.	PART NAME	QTY	S/N	REMARKS
100	B090-7011	Mounting Adapter	1		
200	B082-0607	Adapter Fasteners Set	1		
201	S0170663	-Hex. Head Bolt	-10		M20x2.5XL90-10.9T
202	S5101113	-Spring Washer	-20		M20(Type 1)
203	S4013143	-Hex. Nut	-10		M20x2.5-10T
300	B080-9950D0	Mounting Pin Set	2		
301	B080-9951Do	-Bracket Pin	-1		
302	B080-9952Do	-Spacer	-2		
303	B080-9953Do	-Stop ring	-1		
304	S0161961	-Hex. Head Bolt	-1		M12x1.75XL110-10.9T
305	S4002742	-Hex. Nut	-2		M12X1.75-10T
400	B082-0601	Hose Set	2		for NS, NA
	B082-0602	Hose Set	2		for BA
401	A061-0027D004	-Hose Plug	-1		BSP3/4(30°FLR)
402	H001-0016D022	-Hose	-1		BSP3/4(30°CONE)-L1750-P350
403	H002-0012D002	-Adapter	-1		BSP3/4-BSP3/4(30°FLR), for NS, NA
	A062-0038	-Adapter	-1		BSP3/4-BSP3/4(30°FLR), for BA
404	S8000241	-O-ring	-1		JIS P24-HsA90

PRB100 – Gas Charging Kit



ITEM	PART NO.	PART NAME	QTY	S/N	REMARKS
+	A090-0052	Gas Charging Kit	1		Excl. item 9
1	A092-0005	Pressure Regulator	1		KS B4603
2	A062-0043	Adapter	1		
3	A062-0041	Minimess Coupling	1		BSP 1/4
4	A082-0016	Exhaust Valve	1		BSPT 1/8
5	A012-0002	Cap Nut	1		KS B6214, W23-14
6	A062-0018	Coupling	1		KS B6214
7	A075-0028	Hose	1		S12, 65x1.5-L1000(5800PSI)
8	A090-0007	Nitrogen Gas Bottle	1		[S]

PRB100 – Maintenance Tool Kit



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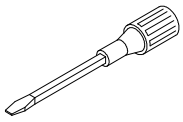

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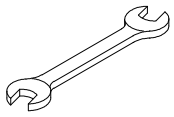

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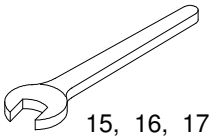

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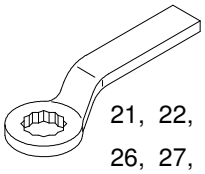

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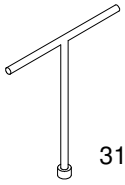

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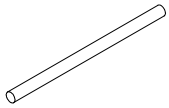

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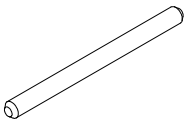

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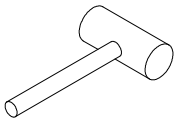

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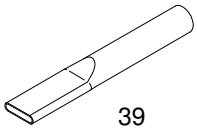

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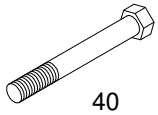

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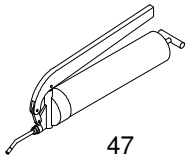

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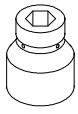

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PRB100 – Maintenance Tool Kit

ITEM	PART NO.	PART NAME	Standard Tool Kit		Option Tool Kit	
			BA	NA	BA	NA
	B082-0609B	Tool Kit	✓	✓		
	B082-0610B	Tool Kit			✓	✓
1	2199-9005	Tool Box	1	1	1	1
4	T6550007	L-Wrench 6			1	1
5	T6550009	L-Wrench 8			1	1
7	T6550013	L-Wrench 12			1	1
8	T6550015	L-Wrench 14			1	1
10	T7050003	Screw Driver(—)			1	1
12	T6510075	Spanner 19x22			1	1
15	T6510022	Spanner 30	1	1	1	1
16	T6510025	Spanner 36	1	1	1	1
23	A090-0043	Ring Wrench 50	1	1	1	1
32	T6640009	T-Wrench 14			1	1
37	A090-0055	Stop-Pin Tool 15	1	1	1	1
38	T7260057	Hammer	1	1	1	1
39	2199-1005	Pipe			1	1
41	S3140031	Eye Bolt M12			1	1
42	S3140041	Eye Bolt M16			1	1
43	S3140051	Eye Bolt M20			1	1
47	2199-9008	Grease Gun	1	1	1	1

Notes

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