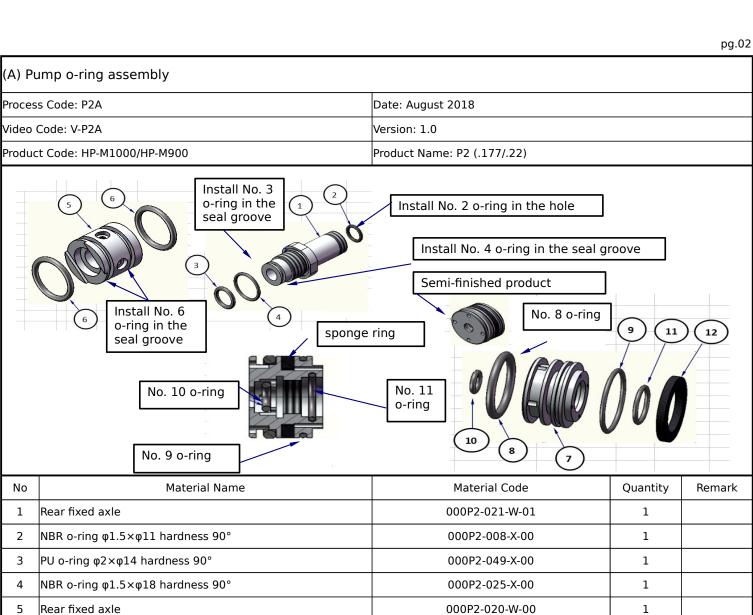
Assembly Instructions For HP-M1000/HP-M900

Date: August 2018

P2A	(A) Pump o-ring assembly	 pg.02
P2B	(B) Small piston assembly	 pg.03
P2C	(C) Small tube assembly	 pg.04
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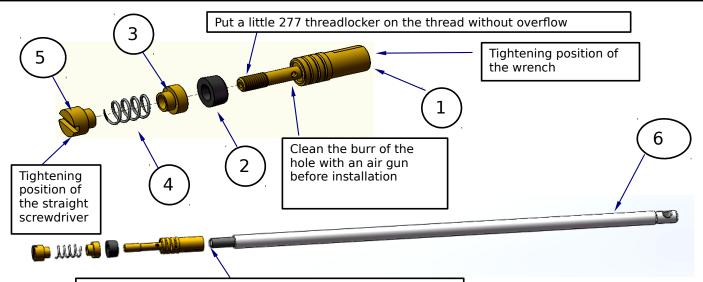
No	Material Name	Material Code	Quantity	Remark
1	Rear fixed axle	000P2-021-W-01	1	
2	NBR o-ring φ1.5×φ11 hardness 90°	000P2-008-X-00	1	
3	PU o-ring φ2×φ14 hardness 90°	000P2-049-X-00	1	
4	NBR o-ring φ1.5×φ18 hardness 90°	000P2-025-X-00	1	
5	Rear fixed axle	000P2-020-W-00	1	
6	NBR o-ring φ3.5×φ33 hardness 90°	000P2-027-X-00	2	
7	Rear movable sleeve	000P2-018-W-00	1	
8	NBR o-ring φ3.5×φ34 hardness 90°	000P2-003-X-00	1	
9	NBR o-ring φ2×φ33 hardness 90°	000P2-023-X-00	1	
10	NBR o-ring φ2.4×φ12 hardness 90°	000P2-002-X-00	1	
11	NBR o-ring φ2×φ20 hardness 90°	000P2-010-X-00	1	
12	Rear movable sleeve sponge ring $\phi 35 \times \phi 22 \times 4$ (oil proof and high oil absorption)	000P2-003-U-00	1	
13				
14				
15				

(B) Small piston assembly

Process Code: P2B Date: August 2018

Video Code: V-P2B Version: 1.0

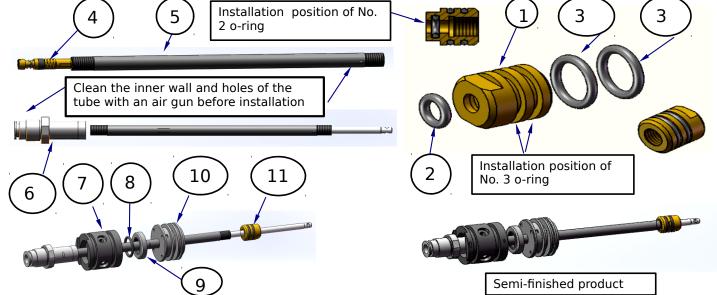
Product Code: HP-M1000/HP-M900 Product Name: P2 (.177/.22)



Put a little 277 threadlocker on the thread without overflow

No	Material Name	Material Code	Quantity	Remark
1	Small piston head	000P2-024-W-00	1	
2	Small piston head o-ring	000P2-050-X-00	1	
3	Small piston head sleeve	000P2-149-W-00	1	
4	Small piston head spring	000P2-150-W-00	1	
5	Small piston head screw	000P2-151-W-00	1	
6	Small piston rod	000P2-017-W-00	1	
7				
8				
9				
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(C) Small tube assembly Process Code: P2C Video Code: V-P2C Product Code: HP-M1000/HP-M900 Installation position of No. 2 o-ring Date: August 2018 Version: 1.0 Product Name: P2 (.177/.22)



No	Material Name	Material Code	Quantity	Remark
1	Small tube connecting sleeve	000P2-011-W-00	1	
2	NBR o-ring φ2×φ14 hardness 70°	000P2-006-X-00	2	
3	NBR o-ring φ2×φ9 hardness 90°	000P2-004-X-00	1	
4	Small piston semi-finished product	/	1	
5	Small tube	000P2-016-W-00	1	
6	Rear fixed axle semi-finished product	/	1	
7	Rear fixed sleeve semi-finished product	/	1	
8	NBR o-ring φ2×φ17 hardness 90°	000P2-018-X-00	1	
9	Rear fixed axle screw	000P2-019-W-00	1	
10	Rear movable sleeve semi-finished product	1	1	
11	Small tube connecting sleeve semi-finished product	1	1	
12				
13				
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15				

(D) Pump and desiccant assembly

Process Code: P2D

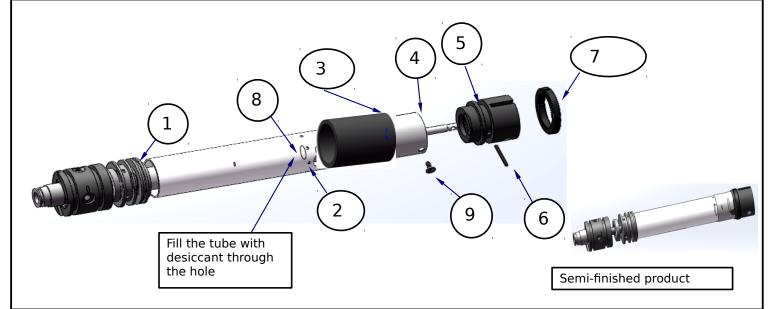
Date: August 2018

Video Code: V-P2D

Version: 1.0

Product Code: HP-M1000/HP-M900

Product Name: P2 (.177/.22)



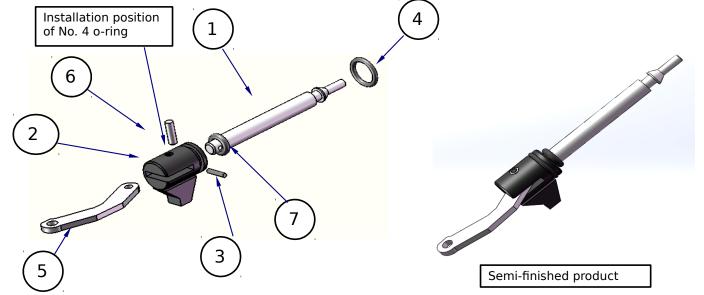
No	Material Name	Material Code	Quantity	Remark
1	NBR o-ring φ1.5×φ25 hardness 70°	000P2-024-X-00	1	
2	Desiccant tube	000P2-029-W-00	1	
3	Air filter element	000P2-004-U-00	1	
4	Desiccant tube plug	000P2-031-W-00	1	
5	Front movable sleeve	000P2-010-W-00	1	
6	Front movable sleeve pin	000P2-025-W-00	1	
7	Front movable sleeve support ring	000P2-001-S-00	1	
8	Desiccant	000P2-030-W-00	35g	
9	Flat head allen screw M3×5	000P2-032-W-00	1	
10				
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(E) Pellet probe assembly

Process Code: P2E Date: August 2018
Video Code: V-P2E Version: 1.0

Product Code: HP-M1000/HP-M900

Installation position of No. 4 oring



No	Material Name	Material Code	Quantity	Remark
1	Pellet probe	000P1-058-W-00 (.177) / 000P1-028-W-00 (.22)	1	
2	Pellet probe seat	000P2-182-W-00	1	
3	Pellet probe seat pin φ1.5×7 (45-h8)	000P2-064-W-00	1	
4	Pellet probe seat o-ring NBR φ1.5×φ11 hardness 90°	000P2-036-X-00	1	
5	Side lever action connecting rod	000P2-061-W-00	1	
6	Side lever action connecting rod front pin	000P2-183-W-00	1	
7	Pellet probe rear o-ring NBR φ2×φ8 hardness 90°	000P2-037-X-00	1	
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(F) Hammer and spring assembly

Process Code: P2F

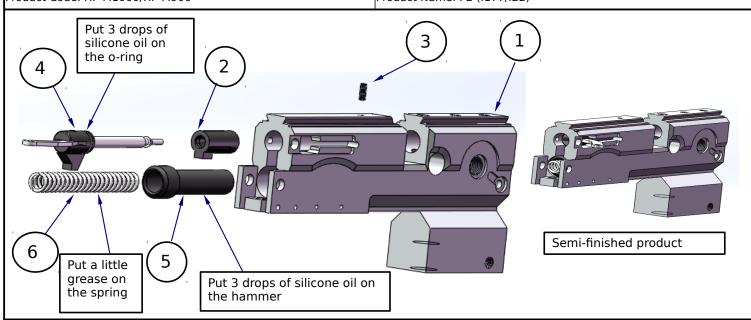
Date: August 2018

Video Code: V-P2F

Version: 1.0

Product Code: HP-M1000/HP-M900

Product Name: P2 (.177/.22)



No	Material Name	Material Code	Quantity	Remark
1	Aluminum valve body	1	1	
2	Pellet probe sleeve	000P1-025-S-00 (.177) / 000P1-008-S-00 (.22)	1	
3	Cone point allen screw M3×8	000P2-185-W-00	1	
4	Pellet probe semi-finished product	1	1	
5	Hammer	000P2-077-W-00	1	
6	Hammer spring P2	000P2-173-W-00	1	
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(G) Power adjustment valve assembly

Process Code: P2G

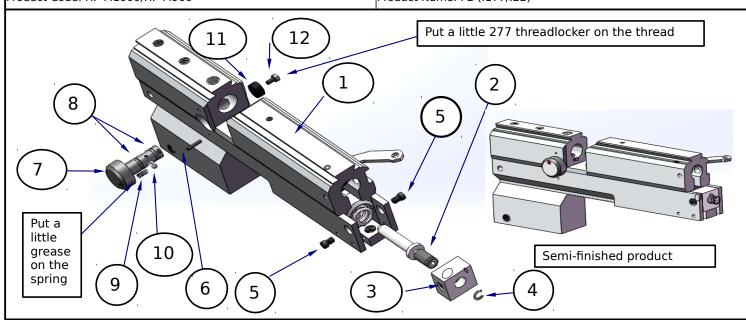
Date: August 2018

Video Code: V-P2G

Version: 1.0

Product Code: HP-M1000/HP-M900

Product Name: P2 (.177/.22)



No	Material Name	Material Code	Quantity	Remark
1	Side lever action semi-finished product aluminum valve body	1	1	
2	Hammer spring adjustment screw	000P2-174-W-00	1	
3	Cocking bracket 2	000P2-007-S-00	1	
4	Hammer spring adjustment screw clamp spring	000P2-154-W-00	1	
5	Allen screw M3×4	000P2-052-W-00	2	
6	Steel pin	000P1-027-W-00	1	
7	Power adjustment valve stem	000P2-043-W-00 (.177) / 000P1-030-W-00 (.22)	1	
8	Power adjustment valve o-ring NBR φ1.5×φ7	000P2-031-X-00	2	
9	Power adjustment valve spring φ0.32×φ2.32×6.34	000P2-045-W-00	1	
10	Bearing steel ball φ2.5	000P1-044-W-00	1	
11	Power adjustment valve washer	000P2-005-S-00	1	
12	Round head allen screw M2×4	000P1-042-W-00	1	
13				
14				
15				

(H) Side lever action handle assembly

grease here

Process Code: P2H Date: August 2018
Video Code: V-P2H Version: 1.0

Product Code: HP-M1000/HP-M900

Product Name: P2 (.177/.22)

Put a little 277 threadlocker on the thread

Put a little 10

Put a little 277 threadlocker on the thread

Put a little threadlocker on the thread

Semi-finished product

No	Material Name	Material Code	Quantity	Remark
1	Side lever action pull rod (vertical)	000P2-063-W-00	1	
2	Side lever action handle	000P2-133-W-00	1	
3	Side lever action handle sleeve	000P2-040-X-00	1	
4	Standard spring washer φ3.1×4.7×0.8	000P2-135-W-00	1	
5	Round head allen screw M3×45	000P2-134-W-00	1	
6	Side lever action pull rod semi-finished product	/	1	
7	Cocking bracket 1	000P2-082-W-00	1	
8	Small flat washer φ3.2×φ6×0.5	000P2-066-W-00	1	
9	Standard spring washer φ4.1×φ6.3×1.1	000P2-067-W-00	2	
10	Cocking bracket 1 vertical pin	000P2-084-W-00	1	
11	Aluminum valve body semi-finished product	/	1	
12	Side lever action pull rod semi-finished product	/	1	
13	Round head allen screw M3×15	000P2-083-W-00	1	
14	Side lever action pull rod rear screw	000P2-062-W-00	1	
15	Flat head philips screw	000P2-065-W-00	1	

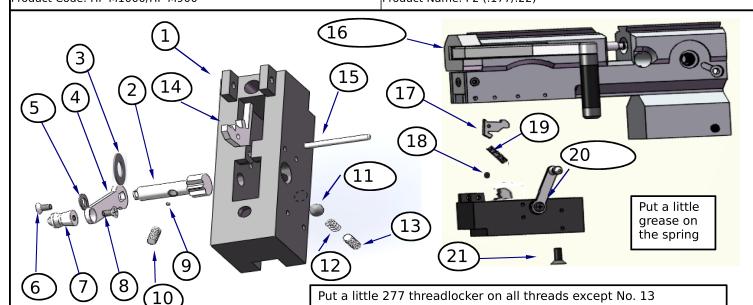
(I) Safety assembly

Process Code: P2I

Video Code: V-P2I

Product Code: HP-M1000/HP-M900

Product Name: P2 (.177/.22)



No	Material Name	Material Code	Quantity	Remark
1	Cocking bracket 3	000P2-008-S-00	1	
2	Safety stem	000P2-073-W-00	1	
3	Safety washer	000P2-160-W-00	1	
4	Safety rod	000P2-069-W-00	1	
5	Flat washer $\phi 3 \times \phi 6.5 \times 0.5$	000P2-066-W-00	1	
6	Flat head philips screw M2×5	000P2-070-W-00	1	
7	Safety knob	000P2-068-W-00	1	
8	Flat head philips screw M2×5	000P2-070-W-00	1	
9	Steel ball φ1.2	000P2-162-W-00	1	
10	Flat point allen screw M3×10	000P2-089-W-00	1	
11	Bearing steel ball	000P2-163-W-00	1	
12	Safety spring	000P2-071-W-00	1	
13	Flat point allen screw M5×5	000P2-155-W-00	1	
14	Trigger iron	000P2-080-W-00	1	
15	Aluminum valve body horizontal pin 1	000P2-091-W-00	1	
16	Aluminum valve body semi-finished product	/	1	
17	Sear	000P2-081-W-00	1	
18	Aluminum valve body horizontal pin 1	000P2-091-W-00	1	
19	Sear spring	000P2-159-W-00	1	
20	Safety semi-finished product	1	1	
21	Flat head allen screw M4×8	000P2-076-W-00	1	

(J) Trigger and air release valve assembly

Process Code: P2J

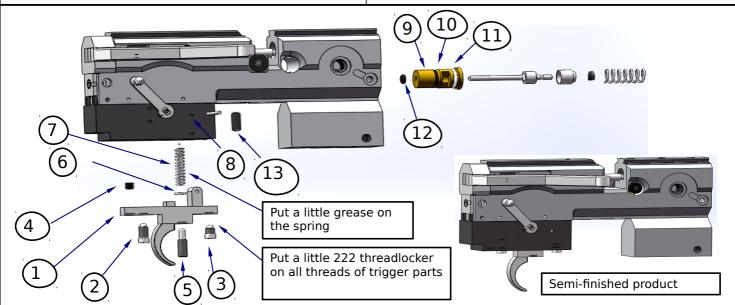
Date: August 2018

Video Code: V-P2J

Version: 1.0

Product Code: HP-M1000/HP-M900

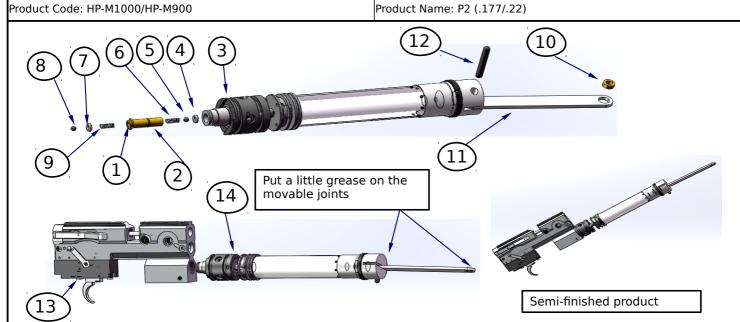
Product Name: P2 (.177/.22)



No	Material Name	Material Code	Quantity	Remark
1	Trigger	000P2-074-W-00	1	
2	Trigger bracket adjustment screw 2	000P2-088-W-00	1	
3	Trigger bracket adjustment screw 1	000P2-092-W-00	1	
4	Flat point allen screw M5×4 (grade 10.9)	/	1	
5	Trigger pull adjustment screw	000P2-144-W-00	1	
6	Trigger pull adjustment flat washer	000P2-143-W-00	1	
7	Trigger spring	000P2-158-W-00	1	
8	Aluminum valve body horizontal pin 1	000P2-091-W-00	1	
9	Air release valve sleeve	000P2-125-W-00	1	
10	NBR o-ring φ1.5×11 hardness 90°	000P2-008-X-00	1	
11	PU o-ring φ1.5×12 hardness 90°	000P2-048-X-00	1	
12	NBR o-ring φ1.5×6 hardness 90°	000P2-034-X-00	1	
13	Cone point allen screw M4×8	000P2-059-W-00	1	
14				
15				

(K) Aluminum valve body and pump assembly

Process Code: P2K Date: August 2018
Video Code: V-P2K Version: 1.0



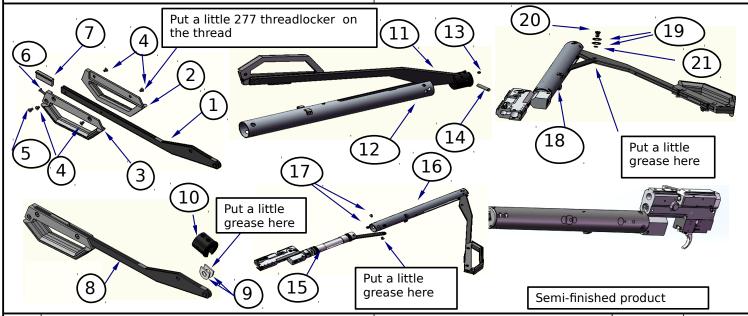
No	Material Name	Material Code	Quantity	Remark
1	Check valve copper sleeve	000P2-022-W-00	1	
2	NBR o-ring φ7×φ1.5 hardness 90°	000P1-010-X-00	1	
3	Pump semi-finished product	/	1	
4	NBR o-ring φ2.5×φ7.5 hardness 90°	000P2-009-X-00	1	
5	Bearing steel ball φ4	000P2-148-W-00	1	
6	Air reservoir front plug check valve spring φ0.5×φ2.6×10	000P2-053-W-00	1	
7	NBR o-ring φ2.5×φ7.5 hardness 90°	000P2-009-X-00	1	
8	Bearing steel ball φ4	000P2-148-W-00	1	
9	Air reservoir front plug check valve spring $\phi 0.5 \times \phi 2.6 \times 10$	000P2-053-W-00	1	
10	Connecting rod copper sleeve	000P2-006-W-00	1	
11	Connecting rod	000P2-007-W-00	1	
12	Connecting rod rear pin	000P2-008-W-00	1	
13	Aluminum valve body semi-finished product	/	1	
14	Pump semi-finished product	/	1	
15				

(L) Aluminum valve body and big tube assembly

Process Code: P2L Date: August 2018

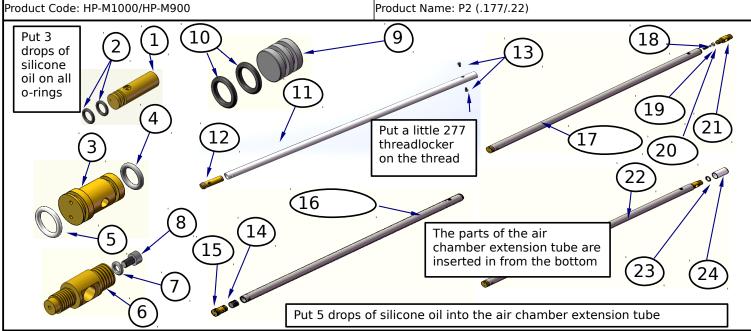
Video Code: V-P2L Version: 1.0

Product Code: HP-M1000/HP-M900 Product Name: P2 (.177/.22)



No	Material Name	Material Code	Quantity	Remark
1	Pump handle	000P2-004-W-00	1	
2	Left handle P2	000P2-013-S-00	1	
3	Right handle P2	000P2-014-S-00	1	
4	Flat head allen screw M4×6	000P2-112-W-00	4	
5	Flat head allen screw M4×8	000P2-110-W-00	1	
6	Flat head allen screw M4×16	000P2-111-W-00	1	
7	Pump handle cushion rubber	000P2-058-X-00	1	
8	Pump handle semi-finished product	1	1	
9	Pump handle washer	000P2-034-W-00	1	
10	Air reservoir front fixed sleeve	000P2-001-W-00	1	
11	Pump handle semi-finished product	I	1	
12	Big tube	000P2-012-W-00	1	
13	Big tube pin	000P2-003-W-00	1	
14	Cone point allen screw M4×8	000P2-059-W-00	1	
15	Pump semi-finished product	I	1	
16	Pump handle semi-finished product	/	1	
17	Allen screw M5×5	000P2-033-W-00	4	
18	Pump semi-finished product	/	1	
19	Connecting rod washer	000P2-028-W-00	2	
20	Connecting rod front pin	000P2-005-W-00	1	
21	Clamp spring smap washer type-E	642258-009-W-00	1	

(M) Air chamber extension tube assembly Process Code: P2M Date: August 2018 Video Code: V-P2M Version: 1.0



No	Material Name	Material Code	Quantity	Remark
1	Air chamber extension tube front connector	000P2-051-W-00	1	
2	NBR o-ring φ2×φ12 hardness 90°	000P2-048-X-00	2	
3	Air chamber extension tube rear connector	000P2-046-W-00	1	
4	PU o-ring φ2×φ12	000P2-007-X-00	1	
5	PU o-ring φ2×φ14 hardness 90°	000P2-007-X-00	1	
6	Air chamber extension tube check valve fixed axle	000P2-055-W-00	1	
7	NBR o-ring φ1.5×φ6 hardness 90°	000P2-034-X-00	1	
8	Allen screw M3×5	000P2-057-W-00	1	
9	Air chamber extension tube Piston	000P2-050-W-00	1	
10	NBR o-ring φ2×φ12 hardness 90°	000P2-048-X-00	2	
11	Air chamber extension tube	000P2-049-W-00	1	
12	Air chamber extension tube front connector semi-finished product	1	1	
13	Allen screw M3×4	000P2-052-W-00	1	
14	Air chamber extension tube Piston semi-finished product	1	1	
15	Air chamber extension tube rear connector semi-finished product	1	1	
16	Air chamber extension tube semi-finished product	1	1	
17	Air chamber extension tube semi-finished product	1	1	
18	Check valve spring (new)	000P2-179-W-00	1	
19	Steel ball φ4	000P2-054-W-00	1	
20	NBR o-ring φ2.5×φ7.5 hardness 90°	000P2-009-X-00	1	
21	Air chamber extension tube check valve fixed axle semi-finished product	1	1	
22	Air chamber extension tube semi-finished product	/	1	
23	NBR o-ring φ2×φ14 hardness 90°	000P2-007-X-00	1	
24	Air chamber extension tube air inlet cap	000P2-056-W-00	1	

(N) Aluminum valve body and extension tube assembly

Process Code: P2N

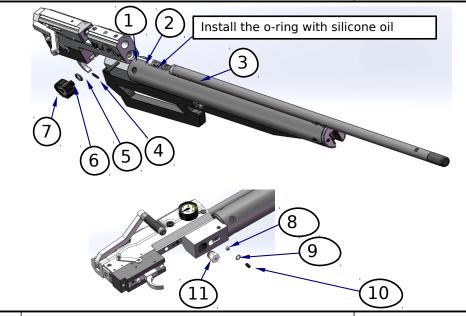
Date: August 2018

Video Code: V-P2N

Version: 1.0

Product Code: HP-M1000/HP-M900

Product Name: P2 (.177/.22)





Semi-finished product

No	Material Name	Material Code	Quantity	Remark
1	Air release valve stem	/	1	
2	Air release valve spring	000P2-101-W-00	1	
3	Air chamber extension tube semi-finished product	/	1	
4	Air chamber extension tube rear pin	000P2-047-W-00	1	
5	Air chamber extension tube baffle	000P2-048-W-00	1	
6	PU o-ring φ12×φ2 hardness 90°	000P2-048-X-00	1	
7	Pressure gauge P2	000P2-001-U-00	1	
8	Bearing steel ball	000P2-148-W-00	1	
9	Pellet probe o-ring	0PCP1-001-X-00 (.177) / 0PCP1-004-X-00 (.22)	1	
10	Flat point allen screw M5×6	000P2-184-W-00	1	
11	Safety valve 4.5K	000P2-181-W-00	1	
12				
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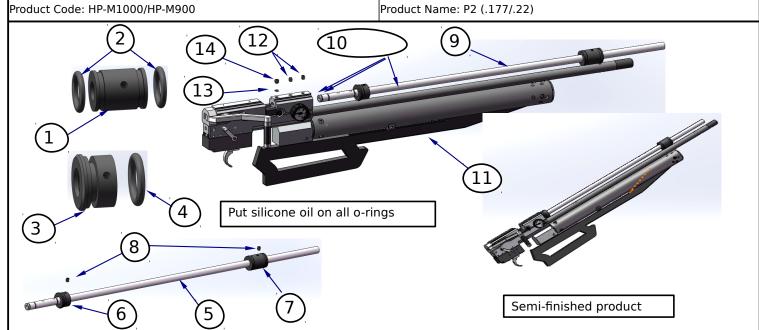
(O) Inner barrel assembly

Process Code: P2O

Date: August 2018

Video Code: V-P2O

Version: 1.0



No	Material Name	Material Code	Quantity	Remark
1	Shroud barrel front support sleeve	000P2-003-S-01	1	
2	NBR o-ring φ3×23 hardness 70°	000P2-028-X-00	1	
3	Shroud barrel rear support sleeve	000P2-004-S-00	1	
4	NBR o-ring φ3×23 hardness 70°	000P2-028-X-00	1	
5	Inner barrel (P1/P2)	000P2-040-W-00 (.177) / 000P1-031-W-00 (.22)	1	
6	Shroud barrel rear support sleeve semi-finished product	/	1	
7	Shroud barrel front support sleeve semi-finished product	/	1	
8	Cone point allen screw M4×6×120° (cone)	000P2-036-W-00	2	
9	Inner barrel semi-finished product	/	1	
10	NBR o-ring φ1.5×11 hardness 90°	000P2-029-X-00	3	
11	Gun body semi-finished product	/	1	
12	Cone point allen screw M5×8×120° (cone)	000P2-038-W-00	1	
13	NBR o-ring φ1.5×5.5 hardness 90°	000P2-030-X-00	1	
14	Cone point allen point M6×6×120° (cone)	000P2-039-W-00	1	
15				

(P) Shroud barrel assembly

Process Code: P2P

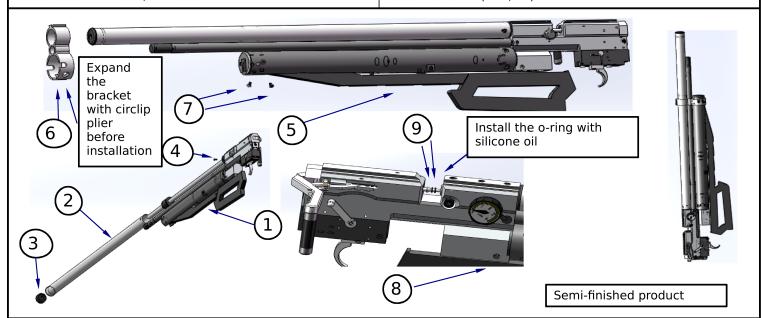
Date: August 2018

Video Code: V-P2P

Version: 1.0

Product Code: HP-M1000/HP-M900

Product Name: P2 (.177/.22)



No	Material Name	Material Code	Quantity	Remark
1	Gun body semi-finished product	1	1	
2	Shroud barrel	000P2-035-W-00	1	
3	Shroud barrel front plug	000P2-002-S-00	1	
4	Flat head allen screw M3×5	000P2-032-W-00	1	
5	Gun body semi-finished product	/	1	
6	Big tube front bracket	000P2-156-W-00	1	
7	Flat head allen screw M5×10	000P2-002-W-00	2	
8	Gun body semi-finished product	1	1	
9	Pellet probe o-ring	0PCP1-001-X-00 (.177) / 0PCP1-004-X-00 (.22)	2	
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(Q) Rear stock assembly

Process Code: P2Q

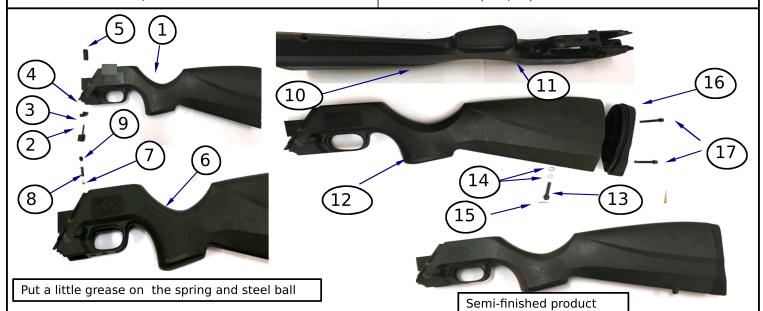
Date: August 2018

Video Code: V-P2Q

Version: 1.0

Product Code: HP-M1000/HP-M900

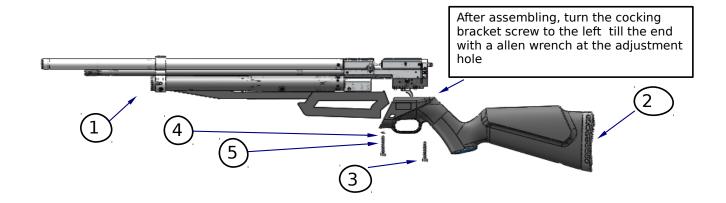
Product Name: P2 (.177/.22)



No	Material Name	Material Code	Quantity	Remark
1	Rear stock P2	000P2-015-S-00	1	
2	Pump handle lock part A	000P2-016-S-00	1	
3	Pin	000P2-118-W-00	1	
4	Pump handle lock part B	000P2-017-S-00	1	
5	Pump handle lock part C	000P2-018-S-00	1	
6	Rear stock semi-finished product P2	/	1	
7	Bearing steel ball φ4.4	000P2-163-W-00	1	
8	Pump handle lock sprint	000P2-165-W-00	1	
9	Flat point allen screw M6×8	000P2-164-W-00	1	
10	Rear stock semi-finished product P2	1	1	
11	Rear stock bottom cap	000P2-024-S-00	1	
12	Rear stock semi-finished product P2	1	1	
13	Rear sling swivel	000P2-015-Z-00	1	
14	Washer M5	000P2-116-W-00	2	
15	Split pin	000P2-122-W-00	1	
16	Butt pad P2	000P2-022-S-00	1	
17	Round head allen screw M5×32	000P2-115-W-00	2	

(R) Gun body and rear stock assembly

Process Code: P2R	Date: August 2018
Video Code: V-P2R	Version: 1.0
Product Code: HP-M1000/HP-M900	Product Name: P2 (.177/.22)



No	Material Name	Material Code	Quantity	Remark
1	Gun body semi-finished product	/	1	
2	Rear stock semi-finished product	/	1	
3	Round head allen screw M5×32	000P2-115-W-00	1	
4	Spring washer M5	000P2-117-W-00	1	
5	Round head allen screw M5×28	000P2-114-W-00	1	
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

(S) Leakage and pre-pressure test	
Process Code: P2S	Date: August 2018
Video Code: V-P2S	Version: 1.0
Product Code: HP-M1000/HP-M900	Product Name: P2 (.177/.22)

After filling air of 1700PSI, hand pump 60 times, the standard pressure range must be 3000±300PSI





Stay 24H after filling air of 3000PSI, the standard pressure range after 24H must be 3000±300PSI

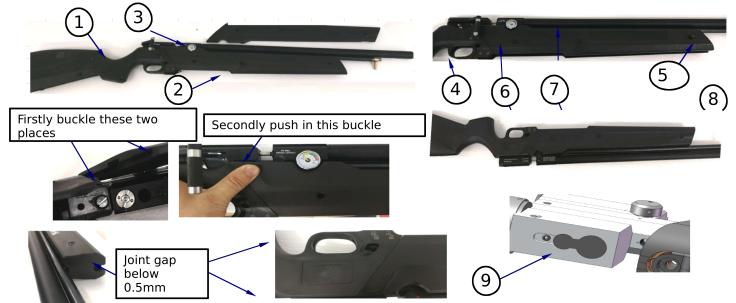
Pre-pressure test

Leakage test

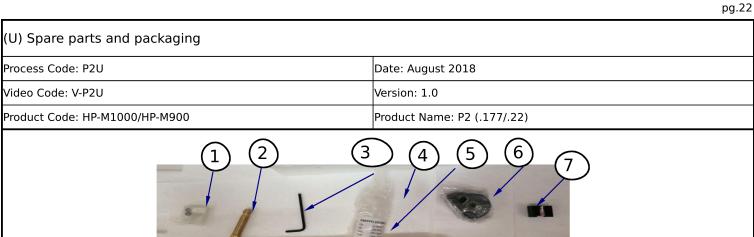
	test	test		
No	Material Name	Material Code	Quantity	Remark
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

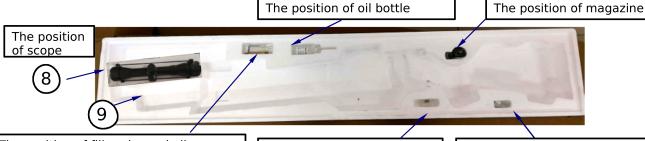
(T) Front stock cover assembly Process Code: P2T Date: August 2018 Video Code: V-P2T Version: 1.0

Product Code: HP-M1000/HP-M900 Product Name: P2 (.177/.22)



No.	Matarial Nama	Material Code	Quantity	Remark
No	Material Name	Material Code	Quantity	Remark
1	Gun body semi-finished product	1	1	
2	Right front stock cover P2	000P2-012-S-00	1	
3	Left front stock cover P2	000P2-011-S-00	1	
4	Gun body semi-finished product	/	1	
5	Front sling swivel	/	1	
6	Flat head allen screw M5×16	000P2-111-W-00	2	
7	Flat head allen screw M5×8	000P2-110-W-00	2	
8	Flat head allen screw M5×14	000P2-109-W-00	1	
9	Fill soft plug P2 (new)	000P2-057-X-00	1	
10				
11				
12				
13				
14				
15				





The position of fill probe and allen wrench

The position of o-ring

The position of single shot tray

	rench			
No	Material Name	Material Code	Quantity	Remark
1	Pellet probe o-ring	0PCP1-001-X-00 (.177) / 0PCP1-004-X-00 (.22)	2	
2	Fill probe P2	1	1	
3	Allen wrench 2.5mm	000P2-128-W-00	1	
4	Oil bottle P2 (containing oil)	000P2-010-B-00	1	
5	Oil bottle label	000P2-010-B-01	1	
6	Magazine	HPA1000-007-Z-00 (.177) / HPA1000-010-Z-00 (.22)	1	
7	Single shot tray	1	1	
8	Scope 4×32	000P2-176-W-00	1	
9	Polyfoam bottom cover P2	000P2-004-B-00	1	
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11				
12				
13				
14				
15				