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USER MANUAL

SHUT-OFF PULSE WRENCHES

MODELS : FPT-110-1 & FPT-110D-1,-10

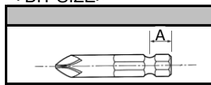
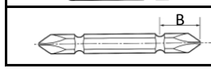


FPT-110-1



FPT-110D-1,-10

< BIT SIZE>

	FPT-110D-1	FPT-110D-10
	A : 9.5mm	A : 13mm
	B : 12mm	B : 16mm

⚠ Refer to “ The instructions and Warning for Safety Use ” enclosed in each tool box.

SPECIFICATIONS

Model	Bolt Size	Recommended Torque Range (0.4~0.63MPa)	Rotational Frequency	Square Drive Size	Bit Shank Size	Air Consumption (At Load)	Mass (without socket)	Overall Length (without socket)	Air Inlet Thread Size	Air Hose Size
	mm	N・m	min^{-1}	mm	mm	m^3/min	kg	mm		mm
FPT-110-1	M4~M5	2～5	6,000	9.5	-	0.25	0.85	194.5	PTor NPT 1/4	6.3
FPT-110D-1	M4~M5	2～5	6,000	-	6.35	0.25	0.90	197.5	PTor NPT 1/4	6.3
FPT-110D-10	M4~M5	2～5	6,000	-	6.35	0.25	0.90	197.5	PTor NPT 1/4	6.3

※ The performance figures are at 0.63MPa(6.3bar).

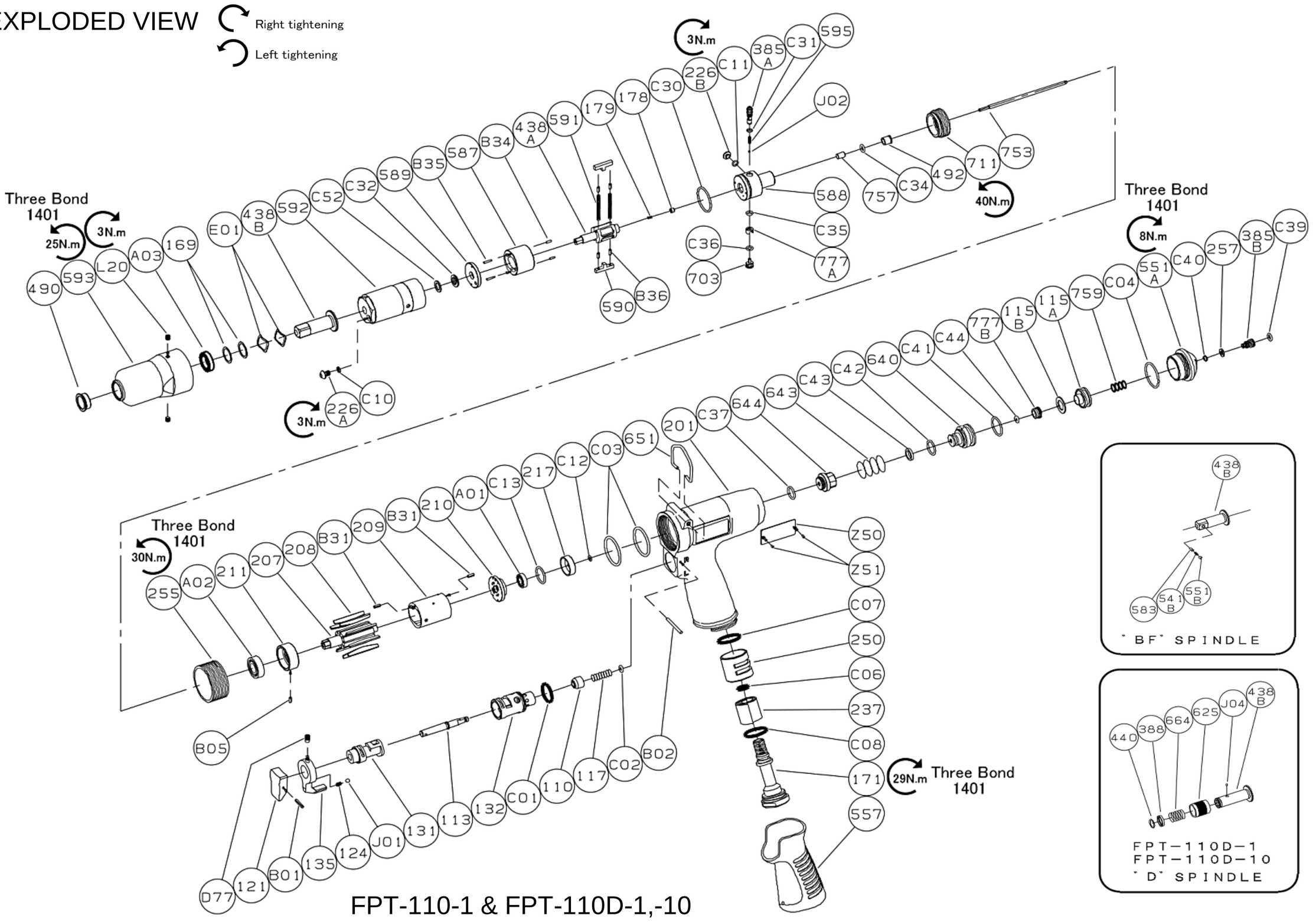
Specifications are subject to change without notice.

MODELS : FPT-110-1 & FPT-110D-1,-10

EXPLODED VIEW

Right tightening

Left tightening



" BF " SPINDLE

FPT−110D−1
FPT−110D−10
" D " SPINDLE

FPT-110-1 & FPT-110D-1,-10

PARTS LIST

Index No.	Parts No.	Parts Name	Qty
	FPT-110-1		
—	W-362006-05	Housing Ass'y	
110	W-362110-00	Throttle Valve	1
113	W-362113-00	Throttle Valve Rod	1
115A	W-362115-00	Throttle Valve Sheet	1
115B	W-362115-01	Throttle Valve Sheet	1
117	W-362117-00	Throttle Valve Spring	1
121	W-254121-00	Throttle Valve Lever	1
124	W-254124-00	Knock Spring	1
131	W-276131-00	Reverse Valve	1
132	W-362132-00	Reverse Valve Bushing	1
135	W-254135-00	Reverse Valve Lever	1
171	W-302171-00	Inlet Joint	1
201	W-362201-00	Housing	1
217	W-362217-00	Bearing Cover	1
237	W-302237-00	Muffler Pad	2
250	W-302250-00	Exhaust Cover	1
257	W-362257-00	Washer	1
385B	W-362385-01	Adjusting Screw	1
551A	W-362551-00	Plug	1
640	W-362640-00	Stop Valve	1
643	W-362643-00	Stop Valve Spring	1
644	W-362644-00	Stop Valve Bushing	1
759	W-362759-00	Return Spring	1
777B	W-362777-01	Collar	1
B01	SP-212	Spring Pin	1
B02	GP-220GLC	Grooved Pin	1
C01	O-S15	"O"Ring	1
C02	O-P3(H)	"O"Ring	1
C03	O-S25	"O"Ring	2
C04	O-S22	"O"Ring	1
C06	O-S8	"O"Ring	1
C07	O-S18	"O"Ring	1
C08	O-S18	"O"Ring	1
C12	O-S3	"O"Ring	1
C13	O-S14	"O"Ring	1
C37	O-S10	"O"Ring	1
C39	O-S5	"O"Ring	1
C40	O-S2	"O"Ring	1
C41	O-P16	"O"Ring	1
C42	O-S12	"O"Ring	1
C43	O-U8	U Packing	1
C44	O-P3	"O"Ring	1
D77	SS-46D	Set Screw (Dog Point)	1
J01	B-3	Steel ball	1

Index No.	Parts No.	Parts Name	Qty
—	W-362021-00	Oil Cylinder Ass' y	
178	W-362178-00	Plunger	1
179	W-362179-00	Plunger Spring	1
226A	W-345226-00	Oil Plug	1
226B	W-362226-00	Oil Plug	1
385A	W-362385-00	Adjusting Screw	1
438A	W-362438-00	Spindle	1
492	W-362492-00	Stopper	1
587	W-345587-00	Oil Cylinder	1
588	W-362588-00	Oil Cylinder Upper Plate	1
589	W-345589-00	Oil Cylinder Lower Plate	1
590	W-345590-00	Spindle Blade	2
(B36)	SP-25	Spring Pin	4
591	W-345591-00	Blade Spring	2
592	W-362592-00	Cylinder Case	1
595	W-362595-00	Torque Adjusting Spring	1
703	W-362703-00	Valve Sheet	1
711	W-362711-00	Cylinder Cover	1
757	W-362757-00	Needle	1
777A	W-362777-00	Collar	1
B34	NR-1.55	Needle Roller	2
B35	NR-1.57.8	Needle Roller	2
C10	O-S2F(H)	"O" Ring (HNBR80)	1
C11	O-S3(H)	"O" Ring (HNBR80)	1
C30	O-S20(H)	"O" Ring (HNBR80)	1
C31	O-S3(H)	"O" Ring (HNBR80)	1
C32	O-XR7(H)	"X" Ring (HNBR80)	1
C34	O-S5F	"O" Ring	1
C35	O-S4(H)	"O" Ring (HNBR80)	1
C36	O-S4(H)	"O" Ring (HNBR80)	1
C52	BR-7	Back-Up Ring	1
J02	B-2	Steel Ball	1
—	W-362033-00	Front Case Ass'y	1
490	W-302490-01	Spindle Bushing	1
593	W-362593-00	Front Case	1
(L20)	PL-1/32	Plug	2
A03	BB-6701	Ball Bearing	1
169	W-070169-01	Reverse Valve Washer	2
207	W-362207-00	Rotor	1
208	W-345208-00	Rotor Blade	9
209	W-362209-00	Cylinder	1
(B31)	SP-26	Spring Pin	2
210	W-362210-00	Cylinder Upper Plate	1
211	W-362211-00	Cylinder Lower Plate	1
(B05)	SP-25	Spring Pin	1

Index No.	Parts No.	Parts Name	Qty
255	W-362255-00	Motor Fastening Nut	1
438B	W-362438-01	Spindle <P>	1
557	W-361557-00	Protector	1
651	W-361651-00	Hanger (Horizontal)	1
753	W-362753-00	Piston Rod	1
A01	BB-686	Ball Beaing	1
A02	BB-699ZZ	Ball Beaing	1
E01	WW-12	Wave washer	2
Z50	NP-1145	Name Plate <FPT-110-1>	1
	NP-1146	Name Plate <FPT-110D-1,-10>	1
Z51	NPN-0X3.2	Screw Rivet	2
It is common with FPT-110-1 <P> excluding the undermentioned parts.			
		FPT-110-1<BF>	
438B	W-345438-02	Spindle <BF>	1
541B	W-252541-00	Button Retainer Spring	1
551B	W-252551-00	Plug	1
583	W-252583-00	Retainer Button (F)	1
		FPT-110D-1	
388	W-305388-00	Spring Holder	1
440	W-305440-00	Ring	1
438B	W-345438-03	Spindle <D>	1
625	W-305625-00	Bit Cover	1
664	W-305664-00	Finder Spring	1
J04	B-3	Steel Ball	1
		FPT-110D-10	
388	W-305388-00	Spring Holder	1
440	W-305440-00	Ring	1
438B	W-345438-04	Spindle <D>	1
625	W-305625-00	Bit Cover	1
664	W-305664-00	Finder Spring	1
J04	B-3	Steel Ball	1

☐ The related parts are shown in a thick frame.

☐ #209, #211 and #590, #593 are supplied together with parts shown in ( ).

☐ Specify parts number and quantity when ordering.

■ Standard Accessories

AC No.	Description	Qty
F-701-1	1.5mm Hex. Pin Wrench	1
F-712	2mm Hex. Pin Wrench	1
IB-202N00	Inlet Bushing (for NPT only)	1