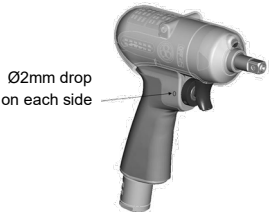
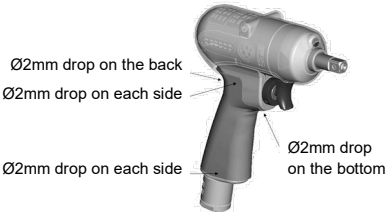
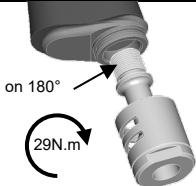
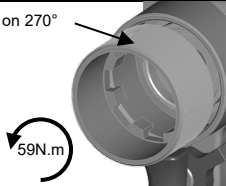
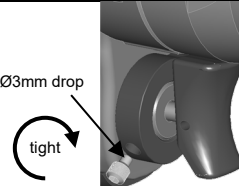
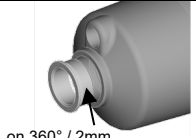
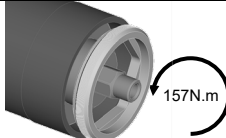
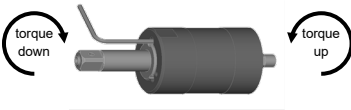
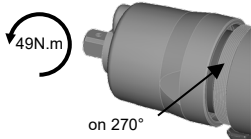
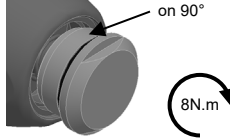
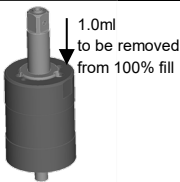
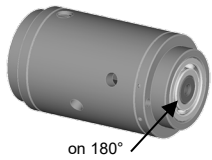
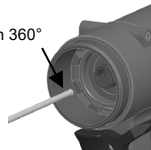




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Mounting

Reverse valve pin		Handle grip			
 <p>Ø2mm drop on each side</p>		 <p>Ø2mm drop on the back Ø2mm drop on each side Ø2mm drop on the bottom</p>			
Konishi, Quick5		Toagosei, Gel10			
Inlet threads		Motor nut threads		Trigger / Setting screw threads	
 <p>on 180° 29N.m</p>		 <p>on 270° 59N.m</p>		 <p>Ø3mm drop tight</p>	
ThreeBond 1401		ThreeBond 1342		ThreeBond 1110B	
Front case bushing		Pulse unit nut		Adjusting screw	
 <p>on 360° / 2mm</p>		 <p>157N.m</p>		 <p>torque down torque up</p>	
ThreeBond 1103B					
Front case threads		Shut-off valve threads			
 <p>49N.m on 270°</p>		 <p>on 90° 8N.m</p>			
ThreeBond 1342		ThreeBond 1401			

Lubrication

Pulse unit  1.0ml to be removed from 100% fill Nippon Oil Corp., Super Hyrando (SE32)	Motor rear bearing  on 180° Idemitsu Kosan, Daphne Eponex (NO2)	Shut off rod  on 360°
 right tightening clockwise tightening		 left tightening counterclockwise tightening

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Specifications

Bolt size		Square drive size		Mass (without socket)		Overall length (without socket)		Air inlet thread	Air hose size	
mm	in	mm	in	kg	lb	mm	in	in	mm	in
M10		12.7	1/2	1.6	3.5	209.0	8 1/4	PT 1/4	9.5	3/8

Recommended torque range						Rotational frequency	Air consumption (at load)	
N.m		kgf.m		ft.lb		rpm	l/min	cfm
45	85	4.6	8.6	33.1	62.6	4800	680	24.0

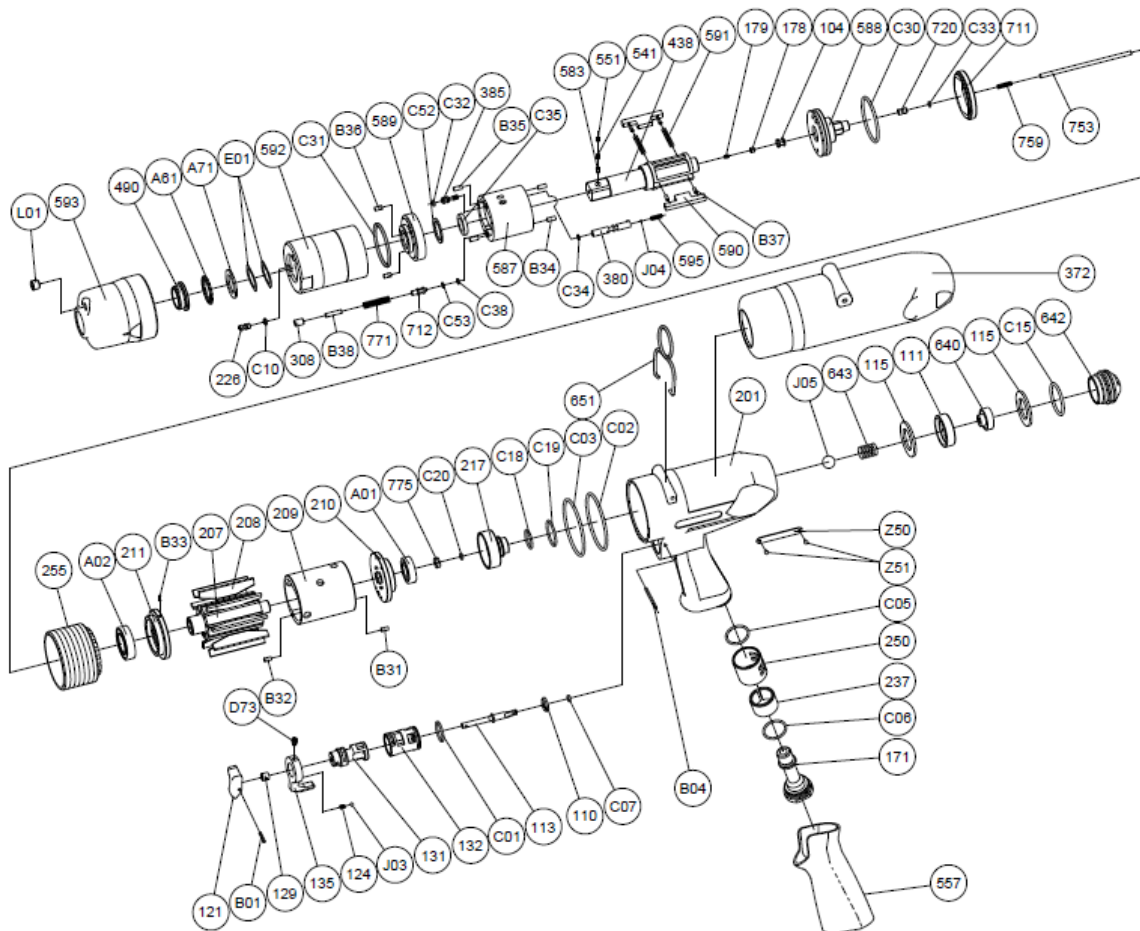
	Safety manual	2050502163
	Instructions manual	6159949610

Maintenance operations

Every 3 months / 100,000 cycles*
 Every 6 months / 200,000 cycles*
 Every 12 months / 400,000cycles*
 *whichever comes first

Refill and adjust oil in pulse unit
 Replace parts of service kits
 Check wearing parts and replace if necessary

Exploded view



Parts list

Ref No.	Ordering No.	Qty	Description	Ref No.	Ordering No.	Qty	Description	Ref No.	Ordering No.	Qty	Description
1			FRONT CASE KIT	C30		1	O RING (HNBR80)	135	5412057223	1	REVERSE VALVE LEVER
L01		1	PLUG	720		1	PISTON	D73		1	SET SCREW
593	5412058539	1	FRONT CASE	C33		1	O RING	124		1	KNOCK SPRING
490		1	SPINDLE BUSHING	711		1	CYLINDER COVER	J03		1	BALL
A03		1	NEEDLE BEARING	2.2	5412060490		SOCKET RETAINER KIT	131		1	REVERSE VALVE
A04		1	THRUST BEARING	551		1	PLUG	132		1	REVERSE VALVE BUSHING
S.1	5412060488		FRONT CASE SERVICE KIT	541B		1	BUTTON RETAINER SPRING (F)	C01		1	O RING
INCL. L01, 490, A03, A04				583		1	RETAINER BUTTON (F)	113		1	THROTTLE VALVE ROD
2			PULSE UNIT KIT	S.2	5412060498		PULSE UNIT SERVICE KIT	110		1	THROTTLE VALVE
2.1			OIL CYLINDER KIT	INCL. E01, C10, C32, C52, C35, C31, 308, C53, C38, B35, B34, C34, J04, 591, 179, 178, C30, C33				C07		1	O RING
E01		2	WAVE WASHER	3			MOTOR KIT	B04		1	GROOVED PIN
226	5412058454	1	OIL PLUG	207	5412058521	1	ROTOR	4.3	5412060540		INLET KIT
C10		1	O RING (HNBR80)	208	5412058522	9	ROTOR BLADE	171	5412058445	1	INLET JOINT
592	5412058538	1	CYLINDER CASE	209	5412058523	1	CYLINDER	C06		1	O RING
C32		1	O RING (HNBR80)	B31		1	SPRING PIN	237		1	MUFFLER PAD
385B		1	ADJUSTING SCREW	B32		1	SPRING PIN	250	5412057876	1	EXHAUST COVER
C52		1	BACK UP RING	217		1	BEARING COVER	C05		1	O RING
C35		1	X RING (HNBR80)	C19		1	O RING	S.4	5412060545		HOUSING SERVICE KIT
C31		1	O RING	C18		1	O RING	INCL. 124, J03, C01, 110, C07, C06, 237, C05			
589	5412058535	1	OIL CYLINDER LOWER PLATE	775		1	SEAL BOX	5	5412103850		SHUT OFF VALVE KIT (INCL. S.5)
B36		2	GROOVED PIN	C20		1	O RING S-3	111		1	THROTTLE VALVE WASHER
308		1	SPACER	C02		1	O RING	640		1	STOP VALVE
B38		1	NEEDLE ROLLER	C03		1	O RING	642		1	STOP VALVE REAR COVER
771	5412058544	1	SPRING	3.1	5412060504		LOWER PLATE KIT	S.5	5412103851		SHUT OFF VALVE SERVICE KIT
712		1	DAMPER	A02		1	BALL BEARING	J05		1	BALL
C53		1	BACK UP RING	211		1	CYLINDER LOWER PLATE	643	5412103740	1	STOP VALVE SPRING
C38		1	O RING (HNBR80)	B33		1	SPRING PIN	115		2	THROTTLE VALVE SHEET
B35		2	NEEDLE ROLLER	3.2	5412060509		UPPER PLATE KIT	C15		1	O RING
587	5412058533	1	OIL CYLINDER	210		1	CYLINDER UPPER PLATE	6	5412103854		PUSH ROD KIT
B34		2	NEEDLE ROLLER	A01		1	BALL BEARING	753		1	PISTON ROD
C34		1	O RING (HNBR80)	S.3	5412060519		MOTOR SERVICE KIT	759		1	RETURN SPRING
380		1	ADJUSTING SPINDLE	INCL. C19, C18, C20, C02, C03, A02, A01							OTHER PARTS
J04		1	BALL	4			HOUSING KIT	372	5412060453	1	PLASTIC COVER
595	5412058540	1	TORQUE ADJUSTING SPRING	4.1	5412060533		HANDLE KIT	651	5412058474	1	HANGER (HORIZONTAL)
438	5412060434	1	SPINDLE	201		1	HOUSING	255	5412058526	1	MOTOR FASTENING NUT
591		2	BLADE SPRING	557		1	PROTECTOR	5412060286		1	WARNING LABEL
590	5412058536	2	SPINDLE BLADE	Z50		1	AIR FILTER				STANDARD ACCESSORIES
B37		4	SPRING PIN	Z51		2	SCREW RIVET		5412054452	1	AIR NIPPLE
179		1	PLUNGER SPRING	4.2	5412060537		THROTTLE KIT			1	HEX PIN WRENCH
178		1	PLUNGER	121		1	THROTTLE VALVE LEVER			1	HEX PIN WRENCH
104		1	BUSHING	B01		1	SPRING PIN	7	5412103855		SHUT-OFF VALVE KIT TO D-SERIES
588	5412058534	1	OIL CYLINDER UPPER PLATE	129		1	THROTTLE VALVE ROD BUSHING	INCL. 111, 640, 642, J05, 643, 115, C15, 753, 759, 217, C18, C19, 775, C20			

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Parts or kits without ordering number are not sold separately