

Fuji USER MANUAL

DIE GRINDERS (REAR EXHAUST TYPE) MODELS : FG-50DX-1F, -2, -3F



FG-50DX-1F
FG-50DX-3F

FG-50DX-2



REAR EXHAUST TYPE

SPECIFICATIONS

Model	Collet Size		Capacity		Rotational Frequency	Max. Air Consumption	Mass	Overall Length	Air Inlet Thread Size	Air Hose Size
			Grinding Wheel	Burr Head						
	mm	in	mm	mm	min ⁻¹	m ³ /min	kg	mm		mm
FG-50DX-1F	6	1/4	32	22	18,000	0.45	0.90	243	PT or NPT 1/4	9.5
FG-50DX-2	6	—	32	22	18,000	0.45	0.95	237	PT 1/4	9.5
FG-50DX-3F	6, 8	—	32	22	18,000	0.45	0.90	243	PT 1/4	9.5

* Please specify collet size when ordering.

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



Refer to "The Instructions and Warning for Safety Use" enclosed in each tool box.

Fuji Industrial Technique Co.,Ltd.

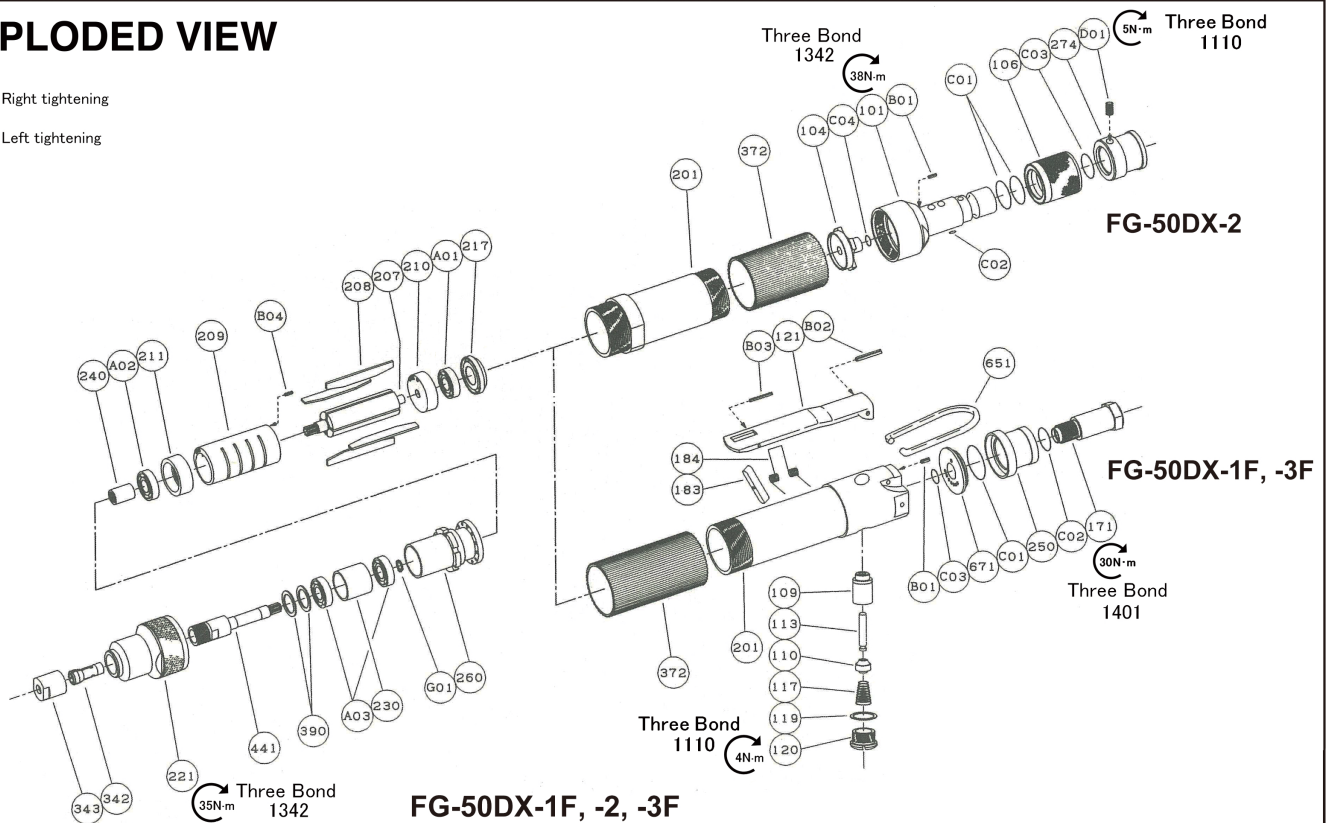
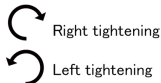
2-1-14, Kamiji, Higashinari-ku, Osaka, 537-0003 Japan

Tel : 81-6-6972-2335

Fax : 81-6-6972-2380

MODELS : FG-50DX-1F, -2, -3F

EXPLODED VIEW



PARTS LIST

Index No.	Parts No.	Parts Name	Qty
FG-50DX-2			
—	G-159001-00	Housing Cover Ass'y <PT>	1
101	G-159101-00	Housing Cover	1
(B01)	SP-26	Spring Pin	1
106	G-137106-00	Throttle Valve Handle	1
274	A-127274-00	Exhaust Hose Joint	1
C01	O-P20	"O"Ring	2
C02	O-4	"O"Ring	1
C03	O-S18	"O"Ring	1
D01	SS-58D	Set Screw	1
104	G-159104-00	Bushing	1
201	G-169201-00	Housing	1
207	G-106207-00	Rotor	1
208	G-106208-00	Rotor Blade	4
209	G-106209-00	Cylinder	1
(B04)	SP-26	Spring Pin	1
210	G-106210-00	Cylinder Upper Plate	1
211	G-106211-00	Cylinder Lower Plate	1
217	G-106217-00	Bearing Cover	1
221	G-140221-00	Spindle Bearing Cover	1
230	G-106230-00	Bearing Spacer (B)	1
240	G-105240-00	Coupling	1
260	G-106260-00	Bearing Case	1
342	G-028342-07	Collet <6mm>	1
343	G-105343-00	Collet Nut	1
372	G-169372-00	Plastic Cover	1
390	G-143390-00	Seal Ring	2
441	G-106441-00	Spindle (B)	1
A01	BB-626	Ball Bearing	1
A02	BB-608	Ball Bearing	1
A03	BB-608MN	Ball Bearing	2
C04	O-P7	"O"Ring	1
G02	SR-S6	Snap Ring	1

■ Standard Accessories (FG-50DX-1F,-2)

AC No.	Description	Qty
F-104	12mm Open-End Wrench	1
F-105	14mm Open-End Wrench	1
EH-50A	Exhaust Hose	1
IH-8B	Inlet Hose (for PT)	1
IH-8BN	Inlet Hose (for NPT)	1

■ Standard Accessories (FG-50DX-3F)

AC No.	Description	Qty
F-105	14mm Open-End Wrench	1
F-107	19mm Open-End Wrench	1
EH-50A	Exhaust Hose	1
IH-8B	Inlet Hose (for PT)	1

Index No.	Parts No.	Parts Name	Qty
FG-50DX-1F			
—	G-140006-01	Housing Ass'y <PT>	1
—	G-140006-02	Housing Ass'y <NPT>	1
201	G-140006-50	Housing	1
(109)	G-106109-00	Throttle Valve Bushing	1
117	G-105117-00	Throttle Valve Spring	1
119	G-028119-00	Throttle Valve Cover Packing	1
120	G-028120-00	Throttle Valve Cover	1
171	W-100171-00	Inlet Joint <PT>	1
—	W-100171-01	Inlet Joint <NPT>	1
250	G-140250-00	Exhaust Cover	1
671	G-140671-00	Exhaust Cover Joint	1
B01	SP-2.56	Spring Pin	1
B01	SP-322	Spring Pin	1
C01	O-S28	"O"Ring	1
C02	O-S16	"O"Ring	1
C03	O-S10	"O"Ring	1
—	G-028008-00	Throttle Valve Rod Ass'y	1
110	H-001110-02	Throttle Valve	1
113	G-028113-00	Throttle Valve Rod	1
—	G-143019-01	(F) Lock Lever Ass'y	1
121	G-143121-01	Throttle Valve Lever	1
183	G-144183-02	Lock Key	1
184	G-144184-00	Lock Spring	1
B71	SP-218	Spring Pin	1
207	G-106207-00	Rotor	1
208	G-106208-00	Rotor Blade	4
209	G-106209-00	Cylinder	1
(B04)	SP-26	Spring Pin	1
210	G-106210-00	Cylinder Upper Plate	1
211	G-106211-00	Cylinder Lower Plate	1
217	G-140217-00	Bearing Cover	1
221	G-140221-00	Spindle Bearing Cover	1
230	G-106230-00	Bearing Spacer (B)	1
240	G-105240-00	Coupling	1
260	G-106260-00	Bearing Case	1
342	G-028342-07	Collet <6mm>	1
343	G-105343-00	Collet Nut	1
372	G-106372-00	Plastic Cover	1
390	G-143390-00	Seal Ring	2
441	G-106441-00	Spindle (B)	1
651	W-100651-00	Hanger (Horizontal)	1
A01	BB-626	Ball Bearing	1
A02	BB-608	Ball Bearing	1
A03	BB-608MN	Ball Bearing	2
G01	SR-S6	Snap Ring	1

- The related parts are shown in thick frame.
□ #201(FG-50DX-1F,-3F) and #209 are supplied together with parts shown in ().
□ #101(FG-50DX2) and #209 are supplied together with parts shown in ().
□ Specify parts number and quantity when ordering.

Index No.	Parts No.	Parts Name	Qty
FG-50DX-3F			
—	G-140006-01	Housing Ass'y <PT>	1
201	G-140006-50	Housing	1
(109)	G-106109-00	Throttle Valve Bushing	1
117	G-105117-00	Throttle Valve Spring	1
119	G-028119-00	Throttle Valve Cover Packing	1
120	G-028120-00	Throttle Valve Cover	1
171	W-100171-00	Inlet Joint <PT>	1
250	G-140250-00	Exhaust Cover	1
671	G-140671-00	Exhaust Cover Joint	1
B01	SP-2.56	Spring Pin	1
B01	SP-322	Spring Pin	1
C01	O-S28	"O"Ring	1
C02	O-S16	"O"Ring	1
C03	O-S10	"O"Ring	1
—	G-028008-00	Throttle Valve Rod Ass'y	1
110	H-001110-02	Throttle Valve	1
113	G-028113-00	Throttle Valve Rod	1
—	G-143019-01	(F) Lock Lever Ass'y	1
121	G-143121-01	Throttle Valve Lever	1
183	G-144183-02	Lock Key	1
184	G-144184-00	Lock Spring	1
B71	SP-218	Spring Pin	1
207	G-106207-00	Rotor	1
208	G-106208-00	Rotor Blade	4
209	G-106209-00	Cylinder	1
(B04)	SP-26	Spring Pin	1
210	G-106210-00	Cylinder Upper Plate	1
211	G-106211-00	Cylinder Lower Plate	1
217	G-140217-00	Bearing Cover	1
221	G-140221-01	Spindle Bearing Cover	1
230	G-106230-00	Bearing Spacer (B)	1
240	G-105240-00	Coupling	1
260	G-106260-00	Bearing Case	1
342	G-106342-00	Collet <8mm>	1
343	G-106342-00	Collet <6mm>	1
372	G-106372-00	Plastic Cover	1
390	G-143390-00	Seal Ring	2
441	G-106441-01	Spindle (B)	1
651	W-100651-00	Hanger (Horizontal)	1
A01	BB-626	Ball Bearing	1
A02	BB-608	Ball Bearing	1
A03	BB-608MN	Ball Bearing	2
G01	SR-S6	Snap Ring	1

● Optional Collet

AC No.	Size	mm	in
G-028342-08	3.0	—	—
G-028342-04	—	—	1/8
G-028342-07	6.0	—	—
G-028342-06	—	—	1/4